

System Reference Codes (1xxx-Axxx)

ESCALA Power7



REFERENCE
86 A1 47FF 04

ESCALA Models Reference

The ESCALA Power7 publications concern the following models:

Bull Escala E1-700 / E3-700	(31E/2B ,8231-E2B)
Bull Escala E1-705	(31E/1C, 8231-E1C)
Bull Escala E1-715	(31E/1D, 8231-E1D)
Bull Escala E3-705	(31E/2C, 8231-E2C)
Bull Escala E3-715	(31E/2D, 8231-E2D)
Bull Escala E2-700 / E2-700T	(02E/4B, 8202-E4B)
Bull Escala E2-705 / E2-705T	(02E/4C, 8202-E4C)
Bull Escala E2-715 / E2-715T	(02E/4D, 8202-E4D)
Bull Escala E4-700 / E4-700T	(05F/6B, 8205-E6B)
Bull Escala E4-705	(05E/6C, 8205-E6C)
Bull Escala E4-715	(05E/6D, 8205-E6D)
Bull Escala E5-700	(33E/8B, 8233-E8B)
Bull Escala E5-715	(08E/8D, 8408-E8D)
Bull Escala M5-715	(09R/MD, 9109-RMD)
Bull Escala M6-700	(17M/MB, 9117-MMB)
Bull Escala M6-705	(17M/MC, 9117-MMC)
Bull Escala M6-715	(17M/MD, 9117-MMD)
Bull Escala M7-700	(79M/HB, 9179-MHB)
Bull Escala M7-705	(79M/HC, 9179-MHC)
Bull Escala M7-715	(79M/HD, 9179-MHD)
Bull Escala H9-700	(19F/HB, 9119-FHB)

References to 8236-E8C models are irrelevant.

Hardware

February 2013

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FRANCE

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Safety notices

Safety notices may be printed throughout this guide:

- **DANGER** notices call attention to a situation that is potentially lethal or extremely hazardous to people.
- **CAUTION** notices call attention to a situation that is potentially hazardous to people because of some existing condition.
- **Attention** notices call attention to the possibility of damage to a program, device, system, or data.

World Trade safety information

Several countries require the safety information contained in product publications to be presented in their national languages. If this requirement applies to your country, safety information documentation is included in the publications package (such as in printed documentation, on DVD, or as part of the product) shipped with the product. The documentation contains the safety information in your national language with references to the U.S. English source. Before using a U.S. English publication to install, operate, or service this product, you must first become familiar with the related safety information documentation. You should also refer to the safety information documentation any time you do not clearly understand any safety information in the U.S. English publications.

Replacement or additional copies of safety information documentation can be obtained by calling the IBM Hotline at 1-800-300-8751.

German safety information

Das Produkt ist nicht für den Einsatz an Bildschirmarbeitsplätzen im Sinne § 2 der Bildschirmarbeitsverordnung geeignet.

Laser safety information

IBM® servers can use I/O cards or features that are fiber-optic based and that utilize lasers or LEDs.

Laser compliance

IBM servers may be installed inside or outside of an IT equipment rack.

DANGER

When working on or around the system, observe the following precautions:

Electrical voltage and current from power, telephone, and communication cables are hazardous. To avoid a shock hazard:

- Connect power to this unit only with the IBM provided power cord. Do not use the IBM provided power cord for any other product.
- Do not open or service any power supply assembly.
- Do not connect or disconnect any cables or perform installation, maintenance, or reconfiguration of this product during an electrical storm.
- The product might be equipped with multiple power cords. To remove all hazardous voltages, disconnect all power cords.
- Connect all power cords to a properly wired and grounded electrical outlet. Ensure that the outlet supplies proper voltage and phase rotation according to the system rating plate.
- Connect any equipment that will be attached to this product to properly wired outlets.
- When possible, use one hand only to connect or disconnect signal cables.
- Never turn on any equipment when there is evidence of fire, water, or structural damage.
- Disconnect the attached power cords, telecommunications systems, networks, and modems before you open the device covers, unless instructed otherwise in the installation and configuration procedures.
- Connect and disconnect cables as described in the following procedures when installing, moving, or opening covers on this product or attached devices.

To Disconnect:

1. Turn off everything (unless instructed otherwise).
2. Remove the power cords from the outlets.
3. Remove the signal cables from the connectors.
4. Remove all cables from the devices.

To Connect:

1. Turn off everything (unless instructed otherwise).
2. Attach all cables to the devices.
3. Attach the signal cables to the connectors.
4. Attach the power cords to the outlets.
5. Turn on the devices.

(D005)

DANGER

Observe the following precautions when working on or around your IT rack system:

- Heavy equipment—personal injury or equipment damage might result if mishandled.
- Always lower the leveling pads on the rack cabinet.
- Always install stabilizer brackets on the rack cabinet.
- To avoid hazardous conditions due to uneven mechanical loading, always install the heaviest devices in the bottom of the rack cabinet. Always install servers and optional devices starting from the bottom of the rack cabinet.
- Rack-mounted devices are not to be used as shelves or work spaces. Do not place objects on top of rack-mounted devices.



- Each rack cabinet might have more than one power cord. Be sure to disconnect all power cords in the rack cabinet when directed to disconnect power during servicing.
- Connect all devices installed in a rack cabinet to power devices installed in the same rack cabinet. Do not plug a power cord from a device installed in one rack cabinet into a power device installed in a different rack cabinet.
- An electrical outlet that is not correctly wired could place hazardous voltage on the metal parts of the system or the devices that attach to the system. It is the responsibility of the customer to ensure that the outlet is correctly wired and grounded to prevent an electrical shock.

CAUTION

- Do not install a unit in a rack where the internal rack ambient temperatures will exceed the manufacturer's recommended ambient temperature for all your rack-mounted devices.
- Do not install a unit in a rack where the air flow is compromised. Ensure that air flow is not blocked or reduced on any side, front, or back of a unit used for air flow through the unit.
- Consideration should be given to the connection of the equipment to the supply circuit so that overloading of the circuits does not compromise the supply wiring or overcurrent protection. To provide the correct power connection to a rack, refer to the rating labels located on the equipment in the rack to determine the total power requirement of the supply circuit.
- *(For sliding drawers.)* Do not pull out or install any drawer or feature if the rack stabilizer brackets are not attached to the rack. Do not pull out more than one drawer at a time. The rack might become unstable if you pull out more than one drawer at a time.
- *(For fixed drawers.)* This drawer is a fixed drawer and must not be moved for servicing unless specified by the manufacturer. Attempting to move the drawer partially or completely out of the rack might cause the rack to become unstable or cause the drawer to fall out of the rack.

(R001)

CAUTION:

Removing components from the upper positions in the rack cabinet improves rack stability during relocation. Follow these general guidelines whenever you relocate a populated rack cabinet within a room or building:

- Reduce the weight of the rack cabinet by removing equipment starting at the top of the rack cabinet. When possible, restore the rack cabinet to the configuration of the rack cabinet as you received it. If this configuration is not known, you must observe the following precautions:
 - Remove all devices in the 32U position and above.
 - Ensure that the heaviest devices are installed in the bottom of the rack cabinet.
 - Ensure that there are no empty U-levels between devices installed in the rack cabinet below the 32U level.
- If the rack cabinet you are relocating is part of a suite of rack cabinets, detach the rack cabinet from the suite.
- Inspect the route that you plan to take to eliminate potential hazards.
- Verify that the route that you choose can support the weight of the loaded rack cabinet. Refer to the documentation that comes with your rack cabinet for the weight of a loaded rack cabinet.
- Verify that all door openings are at least 760 x 230 mm (30 x 80 in.).
- Ensure that all devices, shelves, drawers, doors, and cables are secure.
- Ensure that the four leveling pads are raised to their highest position.
- Ensure that there is no stabilizer bracket installed on the rack cabinet during movement.
- Do not use a ramp inclined at more than 10 degrees.
- When the rack cabinet is in the new location, complete the following steps:
 - Lower the four leveling pads.
 - Install stabilizer brackets on the rack cabinet.
 - If you removed any devices from the rack cabinet, repopulate the rack cabinet from the lowest position to the highest position.
- If a long-distance relocation is required, restore the rack cabinet to the configuration of the rack cabinet as you received it. Pack the rack cabinet in the original packaging material, or equivalent. Also lower the leveling pads to raise the casters off of the pallet and bolt the rack cabinet to the pallet.

(R002)

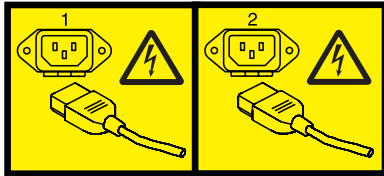
(L001)



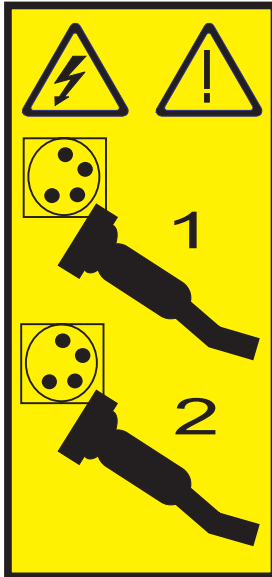
(L002)



(L003)



or



All lasers are certified in the U.S. to conform to the requirements of DHHS 21 CFR Subchapter J for class 1 laser products. Outside the U.S., they are certified to be in compliance with IEC 60825 as a class 1 laser product. Consult the label on each part for laser certification numbers and approval information.

CAUTION:

This product might contain one or more of the following devices: CD-ROM drive, DVD-ROM drive, DVD-RAM drive, or laser module, which are Class 1 laser products. Note the following information:

- Do not remove the covers. Removing the covers of the laser product could result in exposure to hazardous laser radiation. There are no serviceable parts inside the device.
- Use of the controls or adjustments or performance of procedures other than those specified herein might result in hazardous radiation exposure.

(C026)

CAUTION:

Data processing environments can contain equipment transmitting on system links with laser modules that operate at greater than Class 1 power levels. For this reason, never look into the end of an optical fiber cable or open receptacle. (C027)

CAUTION:

This product contains a Class 1M laser. Do not view directly with optical instruments. (C028)

CAUTION:

Some laser products contain an embedded Class 3A or Class 3B laser diode. Note the following information: laser radiation when open. Do not stare into the beam, do not view directly with optical instruments, and avoid direct exposure to the beam. (C030)

CAUTION:

The battery contains lithium. To avoid possible explosion, do not burn or charge the battery.

Do Not:

- ___ Throw or immerse into water
- ___ Heat to more than 100°C (212°F)
- ___ Repair or disassemble

Exchange only with the IBM-approved part. Recycle or discard the battery as instructed by local regulations. In the United States, IBM has a process for the collection of this battery. For information, call 1-800-426-4333. Have the IBM part number for the battery unit available when you call. (C003)

Power and cabling information for NEBS (Network Equipment-Building System) GR-1089-CORE

The following comments apply to the IBM servers that have been designated as conforming to NEBS (Network Equipment-Building System) GR-1089-CORE:

The equipment is suitable for installation in the following:

- Network telecommunications facilities
- Locations where the NEC (National Electrical Code) applies

The intrabuilding ports of this equipment are suitable for connection to intrabuilding or unexposed wiring or cabling only. The intrabuilding ports of this equipment *must not* be metallically connected to the interfaces that connect to the OSP (outside plant) or its wiring. These interfaces are designed for use as intrabuilding interfaces only (Type 2 or Type 4 ports as described in GR-1089-CORE) and require isolation from the exposed OSP cabling. The addition of primary protectors is not sufficient protection to connect these interfaces metallically to OSP wiring.

Note: All Ethernet cables must be shielded and grounded at both ends.

The ac-powered system does not require the use of an external surge protection device (SPD).

The dc-powered system employs an isolated DC return (DC-I) design. The DC battery return terminal *shall not* be connected to the chassis or frame ground.

System reference codes (1xxx - Axxx) overview

Reference codes are diagnostics aids that help you find solutions to system problems.

Reference codes are diagnostic aids that help you determine the source of a hardware or operating system problem. Using a reference code enables you to find the solution to fix the problem. To use reference codes effectively, you must use them in conjunction with other service and support procedures.

Note: System reference codes (SRCs) often indicate failing items. Some failing items are required to be exchanged in groups until the problem is solved. Other failing items are flagged as mandatory exchange and must be exchanged before the service action is complete, even if the problem appears to have been repaired. For more information, see “Block replacement of FRUs.”

Block replacement of FRUs

Sometimes, multiple field replaceable units (FRUs) or procedures are called out for replacement by an SRC listed in the service action log (SAL). Each FRU or procedure has a priority, and procedures are always in priority order, from highest to lowest priority. Follow the steps below:

1. Perform all high priority or mandatory FRU replacements or procedures at the same time (as a block).
2. If the problem persists after performing the high priority FRU replacements or procedures, then perform the medium priority FRU replacements or procedures one at a time, unless a medium grouping priority is associated with the FRUs or procedures that are called out in the SRC. A medium grouping priority, shown with an A, B, or C, means that you need to perform all the FRU replacements or procedures in that group at the same time (as a block).
3. Finally, if the problem still persists after performing the medium priority FRU replacements or procedures, then perform the low priority FRU replacements or procedures one at a time.

The priorities of performing the FRU replacements or procedures are shown in the following ways, depending on how you view the SRC:

- Advanced System Management Interface (ASMI): The ASMI shows a priority with each callout in the log.
- Control panel: The control panel shows one of the following priorities with each callout:
 - H = High
 - M = Medium
 - MA = Medium group A
 - MB = Medium group B
 - MC = Medium group C
 - L = Low
- Management console: The details of the serviceable event display the FRU replacement priority as high, medium, and so on.
- Service action log: In the SAL, the Part Action for the FRU in the view of the event shows the replacement priority.

(1000) Reference codes

10000A0 10000A0

Explanation: SPCN BATs in process

Response: No action required. This reference code is logged for information only. If this reference code is present for more than 1 minute, follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD
-

10000AA 10000AA

Explanation: Download in process

Response: No action required. This reference code is logged for information only.

10000AC 10000AC

Explanation: Detected AC loss

Response: If system powers on normally or stays powered on after AC power failure, no replacement of parts may be needed. If parts are replaced, follow the instructions for the items listed in the FRU List.

Failing Item:

- ACMODUL
-

10000AD 10000AD

Explanation: A reset of the service processor caused the system to power off.

10001500 10001500

Explanation: Detected AC loss

Response: Before replacing any parts, verify that the AC input voltage is correct, follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPLY
 - TWRCARD
-

10001501 10001501

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPLY
 - TWRCARD
-

10001502 10001502

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPLY
 - TWRCARD
 - CBLALL
-

10001503 10001503

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPLY
 - TWRCARD
-

10001507 10001507

Explanation: Power supply plugging ID error

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPLY
 - VPDPART
-

10001510 10001510

Explanation: Detected AC loss

Response: Before replacing any parts, verify that the AC input voltage is correct. Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWRSPLY
 - TWRCARD
-

10001511 10001511

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPLY

10001512 • 10001524

- TWRCARD

10001512 10001512

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPPLY
- TWRCARD
- CBLALL

10001513 10001513

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPPLY
- TWRCARD

10001514 10001514

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPPLY
- TWRCARD

10001516 10001516

Explanation: No power supplies are present

Response: The required power supplies are not installed. Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPPLY
- TWRCARD

10001517 10001517

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPPLY
- VPDPART
- TWRCARD

10001520 10001520

Explanation: Detected AC loss

Response: Before replacing any parts, verify that the AC input voltage is correct, follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPPLY
- TWRCARD

10001521 10001521

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPPLY
- TWRCARD

10001522 10001522

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPPLY
- TWRCARD
- CBLALL

10001523 10001523

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPPLY
- TWRCARD

10001524 10001524

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPPLY
 - TWRCARD
-

10001526 **10001526**

Explanation: No power supplies present

Response: The required power supplies are not installed. Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPPLY
 - TWRCARD
-

10001527 **10001527**

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPPLY
 - TWRCARD
-

10001530 **10001530**

Explanation: Detected AC loss

Response: Before replacing any parts, verify that the AC input voltage is correct. Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPPLY
 - TWRCARD
-

10001531 **10001531**

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPPLY
 - TWRCARD
-

10001532 **10001532**

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPPLY
 - TWRCARD
 - CBLALL
-

10001533 **10001533**

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPPLY
 - TWRCARD
-

10001601 **10001601**

Explanation: Power supply missing

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPPLY
-

10001602 **10001602**

Explanation: Power supply missing

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPPLY
-

10001B01 **10001B01**

Explanation: Load fault on the +12V bus

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWR1900
 - TWRCARD
-

10001B02 **10001B02**

Explanation: Load fault on the +5V bus

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWR1900
 - TWRCARD
-

10001B03 **10001B03**

Explanation: Load fault on the +3.3V bus

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWR1900
 - TWRCARD
-

10001B04 • 10002609

10001B04 10001B04

Explanation: Load fault on the -12V bus

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWR1900
- TWRCARD

10001B18 10001B18

Explanation: Load fault on the +1.5V bus

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWR1900

10001DA0 10001DA0

Explanation: I/O planar SPCN fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWR1900

10001F02 10001F02

Explanation: SPCN trace information saved

Response: No action required. This reference code is logged for information only.

10002600 10002600

Explanation: Power-good fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PGDPART

10002601 10002601

Explanation: Power-good fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PGDPART

10002603 10002603

Explanation: Power-good fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PGDPART

10002605 10002605

Explanation: Power-good fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWR1900
- TWRCARD

10002606 10002606

Explanation: Power-good fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWR1900
- TWRCARD

10002607 10002607

Explanation: Power-good fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWR1900
- TWRCARD

10002608 10002608

Explanation: Power-good fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWR1900
- TWRCARD

10002609 10002609

Explanation: Power-good fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWR1900
- TWRCARD

10002612 10002612

Explanation: Optical Converter 5V Fault

Response: The SPCN detected a fault on the SPCN card optical converter 5V. Follow the instructions for the items listed in the FRU List.

Failing Item:

- CBLALL
 - TWRCARD
-

10003100 10003100

Explanation: I2C bus controller communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
 - TWRCARD
-

10003101 10003101

Explanation: I2C bus 1 communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
 - TWRCARD
-

10003102 10003102

Explanation: I2C bus 2 communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
 - TWRCARD
-

10003103 10003103

Explanation: I2C bus 3 communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
 - TWRCARD
-

10003104 10003104

Explanation: I2C bus 4 communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
 - TWRCARD
-

10003105 10003105

Explanation: I2C bus 5 communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
 - TWRCARD
-

10003106 10003106

Explanation: I2C bus 6 communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
 - TWRCARD
-

1000310A 1000310A

Explanation: I2C bus SPCN VPD communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
 - TWRCARD
-

1000310B 1000310B

Explanation: I2C bus SPCN VPD communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
 - TWRCARD
-

10003110 10003110

Explanation: I2C bus DASD backplane 1 communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
 - TWRCARD
-

10003111 • 10003124

10003111 10003111

Explanation: I2C bus DASD backplane 2 communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
- TWRCARD

10003112 10003112

Explanation: I2C bus DASD backplane 3 communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
- TWRCARD

10003113 10003113

Explanation: I2C bus adapter communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
- TWRCARD

10003114 10003114

Explanation: I2C bus PCI backplane communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
- TWRCARD

10003115 10003115

Explanation: I2C bus panel communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
- TWRCARD

10003116 10003116

Explanation: I2C bus fan local controller communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
- TWRCARD

10003118 10003118

Explanation: I2C bus SPCN VPD communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
- TWRCARD

10003121 10003121

Explanation: I2C bus 2 communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
- TWRCARD

10003122 10003122

Explanation: I2C bus SPCN VPD communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
- TWRCARD

10003123 10003123

Explanation: I2C bus SPCN VPD communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
- TWRCARD

10003124 10003124

Explanation: I2C bus SPCN VPD communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
- TWRCARD

10003125 10003125
Explanation: I2C bus SPCN VPD communication fault**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- I2CBUS
- TWRCARD

10003140 10003140
Explanation: Midplane VPD I2C error**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- I2CBUS
- PWRSPPLY

10003141 10003141
Explanation: Conduit I2C error**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- I2CBUS
- PWRSPPLY

10003142 10003142
Explanation: DASD backplane VPD I2C error**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- I2CBUS
- PWRSPPLY

10003143 10003143
Explanation: Planar I2C error**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- I2CBUS
- PWRSPPLY

10003144 10003144
Explanation: DCA0 I2C multiplexer (MUX) error**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- PWRSPPLY

10003145 10003145
Explanation: DCA0 I2C error**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- PWRSPPLY
- I2CBUS

10003146 10003146
Explanation: DCA0 I2C fan 1 fault**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- I2CBUS
- PWRSPPLY

10003147 10003147
Explanation: DCA0 I2C fan 2 fault**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- I2CBUS
- PWRSPPLY

10003148 10003148
Explanation: Port card 1 I2C error**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- I2CBUS
- PWRSPPLY

10003149 10003149
Explanation: Port card 2 I2C error**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- I2CBUS

1000314A • 10006003

- PWRSPPLY

1000314A 1000314A

Explanation: Port card 3 I2C error

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
- PWRSPPLY

1000314B 1000314B

Explanation: Port card 4 I2C error

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
- PWRSPPLY

10003154 10003154

Explanation: DCA1 I2C multiplexer (MUX) error

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPPLY

10003155 10003155

Explanation: DCA1 I2C error

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRSPPLY
- I2CBUS

10003156 10003156

Explanation: DCA1 I2C fan 1 fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
- PWRSPPLY

10003157 10003157

Explanation: DCA1 I2C fan 2 fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- I2CBUS
- PWRSPPLY

10004600 10004600

Explanation: UPS Interface Failure

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- UPSUNIT
- TWRCARD

10004601 10004601

Explanation: UPS Interface Failure

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- UPSUNIT
- TWRCARD

10006000 10006000

Explanation: Midplane VPD error

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- VPDPART

10006001 10006001

Explanation: Conduit card VPD data error

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- VPDPART

10006002 10006002

Explanation: DASD backplane VPD data error

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- VPDPART

10006003 10006003

Explanation: I/O planar InfiniBand cable short

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- CBLALL

10006004 **10006004**
Explanation: Chip fault**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- VPDPART
-

10006006 **10006006****Explanation:** DCA0 VPD UFM, or flash error**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- PWRSPPLY
-

10006007 **10006007****Explanation:** Hypervisor persistent data error**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- NEXTLVL
-

10006008 **10006008****Explanation:** The hypervisor persistent data was cleared**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- NEXTLVL
-

10006009 **10006009****Explanation:** Port card 1 VPD error**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- VPDPART
-

1000600A **1000600A****Explanation:** Port card 2 VPD error**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- VPDPART
-

1000600B **1000600B****Explanation:** Port card 3 VPD error**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- VPDPART
-

1000600C **1000600C****Explanation:** Port card 4 VPD error**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- VPDPART
-

10006016 **10006016****Explanation:** DCA1 VPD UFM, or flash error**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- PWRSPPLY
-

10007208 **10007208****Explanation:** DCA0 ambient temperature warning**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- AMBTEMP
-

10007209 **10007209****Explanation:** DCA0 ambient temperature error**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- AMBTEMP
-

1000720A **1000720A****Explanation:** I/O chip ambient temperature warning**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- AMBTEMP
-

1000720B 1000720B

Explanation: I/O chip ambient temperature error

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- AMBTEMP

10007218 10007218

Explanation: DCA1: ambient temperature warning

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- AMBTEMP

10007219 10007219

Explanation: DCA1: ambient temperature error

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- AMBTEMP

10007600 10007600

Explanation: DCA0: fan 1 fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- AIRMOVR

10007601 10007601

Explanation: DCA0: fan 2 fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- AIRMOVR

10007602 10007602

Explanation: DCA1: fan 1 fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- AIRMOVR

10007603 10007603

Explanation: DCA1: fan 2 fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- AIRMOVR

10007610 10007610

Explanation: Fan Fault

Response: The Fan is operating at the wrong speed. Follow the instructions for the items listed in the FRU List.

Failing Item:

- AIRMOVR
- TWRCARD

10007611 10007611

Explanation: Fan missing error

Response: A problem was detected with a Fan which can be caused by a Fan not being installed. Install Fan if missing, replace if already installed. Follow the instructions for the items listed in the FRU List.

Failing Item:

- AIRMOVR
- TWRCARD

10007620 10007620

Explanation: Fan Fault

Response: The Fan is operating at the wrong speed. Follow the instructions for the items listed in the FRU List.

Failing Item:

- AIRMOVR
- TWRCARD

10007621 10007621

Explanation: Fan missing error

Response: A problem was detected with a Fan which can be caused by a Fan not being installed. Install Fan if missing, replace if already installed. Follow the instructions for the items listed in the FRU List.

Failing Item:

- AIRMOVR
 - TWRCARD
-

10007630 **10007630**
Explanation: Fan Fault**Response:** The Fan is operating at the wrong speed. Follow the instructions for the items listed in the FRU List.**Failing Item:**

- AIRMOVR
 - TWRCARD
-

10007631 **10007631****Explanation:** Fan missing error**Response:** A problem was detected with a Fan which can be caused by a Fan not being installed. Install Fan if missing, replace if already installed. Follow the instructions for the items listed in the FRU List.**Failing Item:**

- AIRMOVR
 - TWRCARD
-

10007640 **10007640****Explanation:** Fan Fault**Response:** The Fan is operating at the wrong speed. Follow the instructions for the items listed in the FRU List.**Failing Item:**

- AIRMOVR
 - TWRCARD
-

10007641 **10007641****Explanation:** Fan missing error**Response:** A problem was detected with a Fan which can be caused by a Fan not being installed. Install Fan if missing, replace if already installed. Follow the instructions for the items listed in the FRU List.**Failing Item:**

- AIRMOVR
 - TWRCARD
-

10007650 **10007650****Explanation:** Fan Fault**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- AIRMOVR
 - TWRCARD
-

10007651 **10007651****Explanation:** Fan missing error**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- AIRMOVR
 - TWRCARD
-

10008400 **10008400****Explanation:** Configuration ID decode failure**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- PWR1917
 - TWRCARD
-

10008402 **10008402****Explanation:** Unable to Collect VPD**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- VPDPART
 - TWRCARD
-

1000840D **1000840D****Explanation:** Configuration ID decode failure**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- IDPART
 - TWRCARD
-

1000840E **1000840E****Explanation:** Configuration ID decode failure**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- IDPART
 - TWRCARD
-

10008752 **10008752****Explanation:** DCA0 firmware download failed**Response:** No action required. This reference code is logged for information only.

10008753 10008753

Explanation: DCA1 firmware download failed

Response: No action required. This reference code is logged for information only.

10008756 10008756

Explanation: DCA0 firmware download has started.

Response: No action required. This reference code is logged for information only.

10008757 10008757

Explanation: DCA1 firmware download has started.

Response: No action required. This reference code is logged for information only.

10008758 10008758

Explanation: DCA firmware download has ended.

Response: No action required. This reference code is logged for information only.

10008910 10008910

Explanation: External Netfinity Server 3.3V fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- ALTMANL
- TWRCARD

10008920 10008920

Explanation: External Netfinity server power-good fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD
- ALTMANL

10008930 10008930

Explanation: Integrated Netfinity Adapter fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD

10008940 10008940

Explanation: External Netfinity Server R485 Communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD
- CBLALL

10008941 10008941

Explanation: External Netfinity Server R485 Communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD
- CBLALL

10008942 10008942

Explanation: External Netfinity Server R485 Communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD
- CBLALL

10008943 10008943

Explanation: External Netfinity Server R485 Communication fault

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD
- CBLALL

10008A00 10008A00

Explanation: IO power control changed to another system unit

Response: No action required. This reference code is logged for information only.

10009002 10009002

Explanation: Received a bad return code

Response: The SPCN firmware has detected a condition that may require attention. Check error log for other errors that may have been reported at the

same time as this condition was reported. If this SRC persists contact next level of support.

10009012 10009012

Explanation: Address not valid.

Response: LIC command had a frame address that was not valid. Exchange the SPCN frame-to-frame cables to the failing frame. Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD
- CBLALL

10009013 10009013

Explanation: Invalid Node Address.

Response: The address in the SPCN command does not match the secondary nodes assigned address. Exchange the failing items for the SPCN node reporting the error. Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD
- CBLALL

10009014 10009014

Explanation: A command has an invalid address mode.

Response: A command from the system unit specified a unit address of D or E or had a frame address of 00. Exchange the failing items in the system unit. Follow the instructions for the items listed in the FRU List.

Failing Item:

- AJDG301
- TWRCARD

10009015 10009015

Explanation: An invalid rack command was encountered.

Response: Informational message: The command is invalid for the addressed rack and has not been executed. This status is also returned if the address mode is not valid for the command. The information found in this error log entry may be used by product engineering to debug system power control network (SPCN) failures.

10009016 10009016

Explanation: A command to an SPCN node was rejected.

Response: No action required. This reference code is logged for information only.

10009018 10009018

Explanation: An invalid modifier was found in a command.

Response: Informational message: This status is used by the slave, rack and CEC to identify invalid command modifier values in commands directed to the node. An APX command will be rejected by the CEC without transmission on the network if the modifier field contains an invalid address. The information found in this error log entry may be used by product engineering to debug system power control network (SPCN) failures.

10009019 10009019

Explanation: An invalid command was encountered.

Response: Informational message: The command is not valid for transmission on the network. The following conditions are detected by the CEC node during hypervisor command processing. The command is rejected directly by the CEC node for the following reasons:

- The command from the hypervisor was not defined.
- The RPF or RPN command from the hypervisor specified R = 0. (Programming cannot power the system off via this mechanism).
- The LSP subset command (0x'1X') was not addressed to a specific node.
- The APX command was not addressed to RRRR=01-3FFF, UU=0.
- A QSX command was not addressed to RRRR=0 , UU=D.

The information found in this error log entry may be used by product engineering to debug system power control network (SPCN) failures.

1000901B 1000901B

Explanation: A CEC port addressing problem was found.

Response: Informational message: This status is inserted by the primary rack on broadcast commands to identify the location of the CEC node. This response is returned to node specific commands addressed to the CEC node using the CEC physical RRRRUU value. The CEC cannot be addressed with this address. The information found in this error log entry may be used

10009021 • 10009035

by product engineering to debug system power control network (SPCN) failures.

10009021 10009021

Explanation: A command to an SPCN node was rejected.

Response: No action required. This reference code is logged for information only.

10009022 10009022

Explanation: Addressed Unit not in frame.

Response: The addressed unit does not exist in the addressed frame. No action required. This reference code is logged for information only.

10009023 10009023

Explanation: Addressed Unit exists, but the frame is powered off.

Response: The addressed unit is in a frame that is powered off. No action required. This reference code is logged for information only.

10009024 10009024

Explanation: SPCN Licensed Internal Code not valid.

Response: The Licensed Internal Code in one of the secondary nodes is not valid. The code will be reloaded. No action required. This reference code is logged for error analysis only.

10009025 10009025

Explanation: SPCN Licensed Internal Code is not valid.

Response: The Licensed Internal Code in one of the frames is not valid. The code will be reloaded. No action required. This reference code is logged for error analysis only.

10009028 10009028

Explanation: SPCN Licensed Internal Code is not valid.

Response: The Licensed Internal Code in the primary node is not valid. The code will be reloaded. No action required. This reference code is logged for error analysis only.

10009029 10009029

Explanation: SPCN VPD Damaged

Response: The VPD record in the EEPROM has bad data. Exchange the failing items for the node reporting

the failure. Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD

1000902D 1000902D

Explanation: Addressed frame is not in SPCN configuration table.

Response: The addressed frame is not in the SPCN configuration table. No action required. This reference code is logged for information only.

10009031 10009031

Explanation: Frame-to-Frame Communications Failure

Response: The SPCN detected a BCC error on a transmission from another frame. The transmission is attempted again. No action required. This reference code is logged for error analysis only.

10009032 10009032

Explanation: SPCN Communications Failure, unit to rack.

Response: The frame detected a BCC error on a transmission from a secondary node to the frame. The transmission is attempted again. No action required. This reference code is logged for error analysis only.

10009033 10009033

Explanation: SPCN Communications Failure, rack to unit.

Response: A secondary node detected a BCC error on a transmission from the frame. The transmission is attempted again. No action required. This reference code is logged for error analysis only.

10009034 10009034

Explanation: Unsupported Packet Size

Response: The receiving node detected a packet exceeding 70 bytes. The frame can also return this code if a secondary node returns more than 10 bytes to a PAS command. No action required. This reference code is logged for error analysis only.

10009035 10009035

Explanation: Secondary SPCN node timeout.

Response: A secondary SPCN node did not respond to a command. The command was attempted again and failed. No action required. This reference code is logged for error analysis only.

10009036 10009036

Explanation: Frame Timeout

Response: One or more frames did not respond to a command. The command is attempted again. No action required. This reference code is logged for error analysis only.

1000903B 1000903B

Explanation: Invalid Packet Length for data sent.

Response: The number of bytes sent or received does not match the number of bytes specified in the command. No action required. This reference code is logged for error analysis only.

10009041 10009041

Explanation: Invalid Load Type

Response: The down load was successful, but the wrong type of Licensed Internal Code was loaded. The operation was attempted again but was not successful. Exchange the failing items for the node reporting the fault. Follow the instructions for the items listed in the FRU List.

Failing Item:

- AJDG301
- TWRCARD

10009042 10009042

Explanation: EEPROM Failure

Response: The EEPROM in an SPCN node cannot be written successfully. Exchange the SPCN node reported in the failure. Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD

10009043 10009043

Explanation: Download Failure

Response: The Licensed Internal Code download to an SPCN node was completed but was not successful. Exchange the failing SPCN node. Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD

10009046 10009046

Explanation: QDS Packet Sequence Error

Response: The Packet Sequence number is wrong. The download was stopped. Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD

10009047 10009047

Explanation: QDS Block Sequence Error

Response: The Block Sequence number is wrong. The download was stopped. Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD

10009048 10009048

Explanation: The SPCN ROS and EEPROM LIC is not compatible.

Response: The LIC levels in the nodes ROS and EEPROM are not compatible. Exchange the failing items for the failing node. Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD
- AJDG301

10009080 10009080

Explanation: Undefined Status Code

Response: An SPCN node returned an unknown status code. Exchange the failing SPCN node. Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD
- SYSBKPL

10009088 10009088

Explanation: A problem was found in the SPCN firmware.

Response: Informational message: A problem was found in the SPCN firmware. The information found in this error log entry may be used by product engineering to debug system power control network (SPCN) failures.

100090F0 100090F0

Explanation: A frame was dropped from the SPCN configuration.

Response: A frame was dropped from the SPCN configuration. This is usually caused by a loss of ac power or a problem with the frame-to-frame cable. Follow the instructions for the items listed in the FRU List.

Failing Item:

100090F1 • 10009109

- PWR1907
- TWRCARD
- CBLALL

100090F1 100090F1

Explanation: A frame was added to the SPCN configuration.

Response: No action required. This reference code is logged for information only.

100090F2 100090F2

Explanation: Slave disappeared

Response: A slave was dropped from the SPCN configuration. This is usually caused by a loss of ac power. If this SRC is logged during a concurrent maintenance operation, it is informational only and can be ignored.

100090F3 100090F3

Explanation: Slave reappeared

Response: No action required. This reference code is logged for information only.

10009101 10009101

Explanation: VLIC-SPCN Timeout

Response: A Licensed Internal Code timeout occurred. The SPCN failed to respond to a Licensed Internal Code command. Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD

10009102 10009102

Explanation: Assign Permanent Address command failure

Response: A node failed to perform an Assign Permanent Address command. Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD

10009103 10009103

Explanation: Download Initialize Timeout

Response: An SPCN node failed to enter the download state after an Initialize for Download command. Exchange the failing SPCN node. Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD

10009104 10009104

Explanation: Download Completion Timeout

Response: An SPCN node failed to leave the download state. Exchange the failing SPCN node. Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD

10009105 10009105

Explanation: Load Damaged Timeout

Response: An SPCN node failed to enter the operational state. Exchange the failing SPCN node. Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD

10009106 10009106

Explanation: An SPCN LID was not found.

Response: No action required. This reference code is logged for information only.

10009107 10009107

Explanation: An SPCN microcode download is required.

Response: No action required. This reference code is logged for error analysis only.

10009108 10009108

Explanation: A status change occurred in one of the SPCN nodes.

Response: No action required. This reference code is logged for information only.

10009109 10009109

Explanation: Licensed Internal Code part number is not correct.

Response: The AROS part number field was not updated to the correct level after the system attempted to load new Licensed Internal Code. Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD

1000910A **1000910A****Explanation:** RIO Download Required**Response:** No action required. This reference code is logged for information only.

1000910B **1000910B****Explanation:** Maximum number of retries exceeded**Response:** No action required. This reference code is logged for information only.

10009111 **10009111****Explanation:** SPCN is too large for hypervisor.**Response:** There are more nodes in the network than the hypervisor can service. Go to System Configuration in ASMI . Under Configure I/O Enclosures select Clear Inactive Enclosures. If the error persists follow the instructions for the items listed in the FRU List.**Failing Item:**

- AJDG301

10009112 **10009112****Explanation:** Primary SPCN node is reporting load damaged.**Response:** The Licensed Internal Code for the primary SPCN node is damaged. The reload failed because the code could not be found. Follow the instructions for the items listed in the FRU List.**Failing Item:**

- TWRCARD

10009113 **10009113****Explanation:** Secondary SPCN node is reporting load damaged.**Response:** The Licensed Internal Code for the secondary SPCN node is damaged. The reload failed because the code could not be found. Follow the instructions for the items listed in the FRU List.**Failing Item:**

- TWRCARD

10009114 **10009114****Explanation:** Frame SPCN node is reporting load damaged.**Response:** The Licensed Internal Code for a SPCN node is damaged. The reload failed because the code could not be found. Follow the instructions for the items listed in the FRU List.**Failing Item:**

- TWRCARD

10009115 **10009115****Explanation:** SPCN Command rejected by the firmware.**Response:** The service processor rejected an SPCN command from the Licensed Internal Code. No action required. This reference code is logged for information only.

10009116 **10009116****Explanation:** SPCN - Control Panel interface failure.**Response:** The SPCN to control panel interface is not working.

10009117 **10009117****Explanation:** SPCN - Control Panel interface is now working.**Response:** The SPCN to control panel interface is now working. No action required. This reference code is logged for information only.

10009118 **10009118****Explanation:** Hypervisor out of memory**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- AJDG301

10009119 **10009119****Explanation:** NVRAM Write Failed**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- TWRCARD

1000911A **1000911A****Explanation:** Too many racks attached**Response:** Reduce the number of racks to maximum configuration on the system.

1000911B **1000911B****Explanation:** SPCN CEC node code failure**Response:** Follow the instructions for the items listed in the FRU List.**Failing Item:**

- AJDG301

1000911C • 10009138

1000911C 1000911C

Explanation: Two nodes have same VPD

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- VPDPART

1000911D 1000911D

Explanation: RIO Download Failure

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD
- SI_CARD

1000911E 1000911E

Explanation: Temporary VPD written

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRVPD

1000911F 1000911F

Explanation: CEC not found

Response: Call your next level of support.

10009120 10009120

Explanation: Duplicate backplane VPD

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- SYSBKPL

10009131 10009131

Explanation: Invalid XM Return Code

Response: No action required. Logged for error analysis only.

10009132 10009132

Explanation: Node contains temporary VPD

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWRVPD

10009133 10009133

Explanation: Bad PCI Correlation Problem

Response: PCI bus not matched. Follow the instructions for the items listed in the FRU list. If this SRC is logged during a concurrent maintenance operation, it is informational only and can be ignored.

Failing Item:

- CBLALL

10009134 10009134

Explanation: PCI bus VPD error

Response: Check Error Log for B700 xxxx Reference Codes.

10009135 10009135

Explanation: Open SPCN Loop

Response: Follow the instructions for the items listed in the FRU list. If this SRC is logged during a concurrent maintenance operation, it is informational only and can be ignored.

Failing Item:

- CBLALL
- TWRCARD

10009136 10009136

Explanation: The manually started download was interrupted

Response: Needs to be Manually restarted

10009137 10009137

Explanation: Bad PCI Correlation Problem

Response: SPCN node not matched. Follow the instructions for the items listed in the FRU list. If this SRC is logged during a concurrent maintenance operation, it is informational only and can be ignored.

Failing Item:

- CBLALL

10009138 10009138

Explanation: Bad Location Code

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- CBLALL

10009139 10009139

Explanation: Open SPCN loop resolved

Response: No action required. This reference code is logged for information only.

Failing Item:

- TWRCARD

1000913A 1000913A

Explanation: RIO download sent retry

Response: No action required. This reference code is logged for information only.

1000913B 1000913B

Explanation: Go to ASMi to start a download manually

Response: Follow the instructions for the items listed in the FRU List.

Failing Item:

- PWR1907

100091DD 100091DD

Explanation: All SPCN Downloads Complete

Response: No action required. This reference code is logged for information only.

100091DE 100091DE

Explanation: RIO Download Complete

Response: No action required. This reference code is logged for information only.

100091FB 100091FB

Explanation: Write VPD on next IPL

Response: No action required. This reference code is logged for information only.

1000C62E 1000C62E

Explanation: Polling error

Response: An SPCN frame-to-frame communication failure was detected. Follow the instructions for the items listed in the FRU List.

Failing Item:

- TWRCARD
- CBLALL

1000CB15 1000CB15

Explanation: EEPROM Failure.

Response: Follow the instructions for the items listed in the FRU List.

(1100) Reference codes

11000AC 11000AC

Explanation: Detected AC loss

Response: If system powers on normally or stays powered on after AC power failure, no replacement of parts may be needed. Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- ACMODUL

11000AD 11000AD

Explanation: A reset of the service processor caused the system to power off.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- TWRCARD

11001510 11001510

Explanation: Detected AC loss

Response: Before replacing any parts, verify that the AC input voltage is correct. Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWRSPPLY
- TWRCARD

11001511 11001511

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWRSPPLY
- TWRCARD

11001512 11001512

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWRSPPLY
- TWRCARD
- CBLALL

11001513 11001513

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWRSPPLY
- TWRCARD

11001514 11001514

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWRSPPLY
- TWRCARD

1100151E 1100151E

Explanation: The power supply fan on Un-E1 experienced a short stoppage, but recovered. The power supply should be replaced as soon as possible before the fan fails permanently.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWRSPPLY
- TWRCARD

1100151F • 1100152F

1100151F 1100151F

Explanation: The power supply fan on Un-E1 failed. The power supply should be replaced as soon as possible.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWRSPPLY
- TWRCARD

11001520 11001520

Explanation: Detected AC loss

Response: Before replacing any parts, verify that the AC input voltage is correct. Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWRSPPLY
- TWRCARD

11001521 11001521

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWRSPPLY
- TWRCARD

11001522 11001522

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWRSPPLY
- TWRCARD
- CBLALL

11001523 11001523

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWRSPPLY
- TWRCARD

11001524 11001524

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWRSPPLY
- TWRCARD

1100152E 1100152E

Explanation: The power supply fan on Un-E2 experienced a short stoppage, but recovered. The power supply should be replaced as soon as possible before the fan fails permanently.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWRSPPLY
- TWRCARD

1100152F 1100152F

Explanation: The power supply fan on Un-E2 failed. The power supply should be replaced as soon as possible.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWRSPPLY
 - TWRCARD
-

11001611 **11001611****Explanation:** Regulator 1 Fault**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- PWR1918
 - TWRCARD
-

11001612 **11001612****Explanation:** Regulator 1 Communication Fault**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- PWR1918
 - TWRCARD
-

11001613 **11001613****Explanation:** Regulator 1 Domain Fault**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- PWR1918
 - TWRCARD
-

11001621 **11001621****Explanation:** Regulator 2 Fault**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- PWR1918
 - TWRCARD
-

11001622 **11001622****Explanation:** Regulator 2 Communication Fault**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- PWR1918
 - TWRCARD
-

11001623 **11001623****Explanation:** Regulator 2 Domain Fault**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- PWR1918
 - TWRCARD
-

11001631 **11001631****Explanation:** Regulator 3 Fault**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- PWR1918
 - TWRCARD
-

11001632 **11001632****Explanation:** Regulator 3 Communication Fault**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- PWR1918
 - TWRCARD
-

11001633 **11001633****Explanation:** Regulator 3 Domain Fault**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- PWR1918
 - TWRCARD
-

110016F1 110016F1

Explanation: No power supplies detected in drawer number 1

Response: Perform the following in order:

- Check for system firmware updates; apply if available.
- Replace the primary service processor.
- Replace the backplane in the failing drawer.
- Replace all of the power supplies in the failing drawer.

Problem determination: No additional problem determination.

110016F2 110016F2

Explanation: No power supplies detected in drawer number 2

Response: Perform the following in order:

- Check for system firmware updates; apply if available.
- Replace the primary service processor.
- Replace the backplane in the failing drawer.
- Replace all of the power supplies in the failing drawer.

Problem determination: No additional problem determination.

110016F3 110016F3

Explanation: No power supplies detected in drawer number 3

Response: Perform the following in order:

- Check for system firmware updates; apply if available.
- Replace the primary service processor.
- Replace the backplane in the failing drawer.
- Replace all of the power supplies in the failing drawer.

Problem determination: No additional problem determination.

110016F4 110016F4

Explanation: No power supplies detected in drawer number 4

Response: Perform the following in order:

- Check for system firmware updates; apply if available.
- Replace the primary service processor.
- Replace the backplane in the failing drawer.
- Replace all of the power supplies in the failing drawer.

Problem determination: No additional problem determination.

11001B01 11001B01

Explanation: Level 1 load fault (+12V)

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1900

11001B02 11001B02

Explanation: Load fault on the +5V bus

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1900
- TWRCARD

11001B03 11001B03

Explanation: Load fault on the +3.3V bus

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1900
- TWRCARD

11001B05 11001B05

Explanation: Load fault on the +1.8V bus

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1904
- TWRCARD

11001B06 11001B06

Explanation: Load fault on the +2.5V bus

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1904
- TWRCARD

11001B0A 11001B0A

Explanation: Load Fault on the +12V/-12v bus

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1904
- TWRCARD

11001B0F 11001B0F

Explanation: Load Fault on the +1.2V bus

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1904
- TWRCARD

11001C10 11001C10

Explanation: Regulator Level 1 Load Fault (1.1A)

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1904
- TWRCARD

11001C11 11001C11

Explanation: Regulator Level 2 Load Fault (1.1B)

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1904
- TWRCARD

11001C12 11001C12

Explanation: Regulator Level 2 Load Fault (1.8)

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1904
- TWRCARD

11001C13 11001C13

Explanation: Regulator Level 2 Load Fault (1.2A)

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1904
- TWRCARD

11001C14 11001C14

Explanation: Regulator Level 2 Load Fault (1.25)

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1904
- TWRCARD

11001C15 11001C15

Explanation: Regulator Level 2 Load Fault (1.2B)

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1904
- TWRCARD

11001D12 11001D12

Explanation: I/O hub card 1 fault.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

11001D13 11001D13

Explanation: I/O hub card 2 fault.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

11001D14 11001D14

Explanation: I/O hub card 3 fault.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

11001D15 11001D15

Explanation: I/O hub card 4 fault.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

11001D60 11001D60

Explanation: RIO adapter card 1 softswitch fault

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- SI_CARD
- TWRCARD

11001D63 11001D63

Explanation: RIO adapter card 2 softswitch fault

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- SI_CARD
- TWRCARD

11001D68 11001D68

Explanation: HEA adapter card 2 softswitch fault

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

11001F01 11001F01

Explanation: TMS limit reached - log only

Response: No action required. This reference code is logged for information only.

Problem determination: No additional problem determination.

11001F02 11001F02

Explanation: SPCN trace information saved

Response: No action required. This reference code is logged for information only.

Problem determination: No additional problem determination.

11001F03 11001F03

Explanation: Invalid TMS or location code; log only.

Response: No action required. This reference code is logged for information only.

Problem determination: No additional problem determination.

11002600 11002600

Explanation: Power Good Fault

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PGDPART

11002602 11002602

Explanation: Power Good Fault

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918
- TWRCARD

11002603 **11002603**
Explanation: Power Good Fault**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- PGDPART
-

11002610 **11002610**
Explanation: A power signal failure has been detected**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- SYSBKPL
-

11002611 **11002611**
Explanation: A power signal failure has been detected**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- SYSBKPL
-

11002613 **11002613**
Explanation: 100V check fault**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- CBLALL
 - SYSBKPL
-

11002614 **11002614**
Explanation: The power supplies are mismatched; one is ac, and one is dc.**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- PWRSPLY
-

11002620 **11002620**
Explanation: 12V power-good input fault**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- SYSBKPL
-

11002622 **11002622**
Explanation: 1.52V power-good input fault**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- PWR1918
-

11002623 **11002623**
Explanation: 1.8V power-good input fault**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- PWR1918
-

11002624 **11002624**
Explanation: 5.0V power-good input fault**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.

11002625 **11002625**
Explanation: 3.3V power-good input fault**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- PWR1918
-

11002626 11002626

Explanation: 2.5V power-good input fault

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918

11002627 11002627

Explanation: GX slot 1 pgood fault.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

11002629 11002629

Explanation: P_GOOD fault on the I/O backplane.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- SYSBKPL

1100262A 1100262A

Explanation: GX slot 2 pgood fault.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

1100262B 1100262B

Explanation: P_GOOD fault on the I/O backplane.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- SYSBKPL

1100262C 1100262C

Explanation: DASD 5V regulator P_GOOD fault.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918

1100262D 1100262D

Explanation: P_GOOD fault on the I/O backplane.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- SYSBKPL

1100262E 1100262E

Explanation: P_GOOD fault on the I/O backplane.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- SYSBKPL

1100262F 1100262F

Explanation: P_GOOD fault on the I/O backplane.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- SYSBKPL

11002630 11002630

Explanation: Processor 1 P7_VRM pgood fault (pluggable)

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

11002632 11002632

Explanation: Processor 1 VRM2 array power-good fault

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918
- ANYPROC
- SYSBKPL

11002633 11002633

Explanation: Processor 1 1.2V VRM power-good fault

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918
- SYSBKPL

11002634 11002634

Explanation: Processor 1 1.8V VRM or processor 1 power-good fault

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- ANYPROC
- SYSBKPL

11002635 11002635

Explanation: VRM fault on the processor card.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918

11002636 11002636

Explanation: VRM fault on the processor card.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918

1100263A 1100263A

Explanation: Memory card 1 pgood fault.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: Look for a 1100xxxx SRC that was logged before this SRC. If an SRC is found, resolve that SRC first. If the problem is not corrected, follow the instructions for the items listed in the FRU list for this SRC.

1100263B 1100263B

Explanation: Memory card 1 pgood fault.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

1100263C 1100263C

Explanation: Memory card 1 pgood fault.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

11002640 11002640

Explanation: Processor 2 P7_VRM pgood fault (pluggable)

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

11002642 11002642

Explanation: Processor 2 VRM2 array power-good fault

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918
- ANYPROC
- SYSBKPL

11002643 11002643

Explanation: Processor 2 1.8V VRM or processor 2 power-good fault

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- ANYPROC
- SYSBKPL

11002645 11002645

Explanation: VRM fault on the processor card.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918

1100264A 1100264A

Explanation: Memory card 2 pgood fault.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: Look for a 1100xxxx SRC that was logged before this SRC. If an SRC is found, resolve that SRC first. If the problem is not corrected, follow the instructions for the items listed in the FRU list for this SRC.

1100264B 1100264B

Explanation: Memory card 2 pgood fault.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

1100264C 1100264C

Explanation: Memory card 2 pgood fault.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

11002650 11002650

Explanation: Processor 3 VRM 1A or 1B power-good fault

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918
- ANYPROC
- SYSBKPL

11002652 11002652

Explanation: Processor 3 VRM2 array power-good fault

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918
- ANYPROC
- SYSBKPL

11002653 11002653

Explanation: Processor 3 1.2V VRM power-good fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918
- SYSBKPL

11002654 11002654

Explanation: Processor 3 1.8V VRM or processor 3 power-good fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

Failing Item:

- ANYPROC
 - SYSBKPL
-

1100265A 1100265A

Explanation: Memory card 3 pgood fault.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: Look for a 1100xxxx SRC that was logged before this SRC. If an SRC is found, resolve that SRC first. If the problem is not corrected, follow the instructions for the items listed in the FRU list for this SRC.

1100265B 1100265B

Explanation: Memory card 3 pgood fault.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

1100265C 1100265C

Explanation: Memory card 3 pgood fault.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

11002660 11002660

Explanation: Processor 4 VRM 1A or 1B power-good fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918
- ANYPROC
- SYSBKPL

11002662 11002662

Explanation: Processor 4 VRM2 array power-good fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918
- ANYPROC
- SYSBKPL

11002663 11002663

Explanation: Processor 4 1.2V VRM power-good fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918
- SYSBKPL

11002664 11002664

Explanation: Processor 4 1.8V VRM failed or processor 4 power-good fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

Failing Item:

- ANYPROC
- SYSBKPL

1100266A 1100266A

Explanation: Memory card 4 pgood fault.

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: Look for a 1100xxxx SRC that was logged before this SRC. If an SRC is found, resolve that SRC first. If the problem is not corrected, follow the instructions for the items listed in the FRU list for this SRC.

1100266B 1100266B

Explanation: Memory card 4 pgood fault.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

1100266C 1100266C

Explanation: Memory card 4 pgood fault.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

11002690 11002690

Explanation: Processor 1 and 2 VDDA pgood fault.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

11002691 11002691

Explanation: Processor 1 and 2 VSN pgood fault.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918

11002700 11002700

Explanation: VRM fault on the processor card.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918

11002701 11002701

Explanation: VRM fault on the processor card.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918

11002702 11002702

Explanation: VRM fault on the DASD backplane.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918

11002703 11002703

Explanation: VRM fault on the DASD backplane.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918

11002704 11002704

Explanation: VRM fault on the I/O backplane.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- SYSBKPL

11002705 11002705

Explanation: VRM fault on the I/O backplane.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- SYSBKPL

11002800 11002800

Explanation: The system was automatically shut down because the top cover was removed.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- LDSWTCH

11003100 11003100

Explanation: Service processor I2C failure

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

Failing Item:

- I2CBUS
- TWRCARD

11003105 **11003105**

Explanation: Service processor I2C failure.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- TWRCARD
-

11003114 **11003114**

Explanation: Service processor I2C failure

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- I2CBUS
 - SYSBKPL
 - TWRCARD
-

11003116 **11003116**

Explanation: I2C failure: blower control chip

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- SYSBKPL
-

11003120 **11003120**

Explanation: VRM failure

Response: Follow the instructions for the items listed in the FRU list in the error log entry.

Problem determination: No additional problem determination.

11004201 **11004201**

Explanation: UPS reported: utility failure signal is on

Response: No action required. This reference code is logged for information only.

Problem determination: No additional problem determination.

11004203 **11004203**

Explanation: UPS reported: battery low signal is on

Response: No action required. This reference code is logged for information only.

Problem determination: No additional problem determination.

11004600 **11004600**

Explanation: UPS interface failure

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- UPSUNIT
 - TWRCARD
-

11004601 **11004601**

Explanation: UPS interface failure

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- UPSUNIT
 - TWRCARD
-

11005000 **11005000**

Explanation: Service processor fail over failed due to configuration mismatch

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- TWRCARD
-

11005001 **11005001**

Explanation: Service processor fail over failed due to configuration mismatch

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- TWRCARD

11005010 • 11007207

11005010 11005010

Explanation: SPCN ports not present. mismatch

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- CBLALL

11007110 11007110

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWRSPPLY
- TWRCARD

11007120 11007120

Explanation: Power supply failure

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWRSPPLY
- TWRCARD

11007200 11007200

Explanation: The system is located at an altitude greater than 4000 meters (13,120 feet). This is outside the range of the system specifications.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- ALTTUDE

11007201 11007201

Explanation: Ambient temperature is out of range

Response: Follow the procedure for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AMBTEMP

11007202 11007202

Explanation: Ambient temperature is back in range

Response: Follow the procedure for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AMBBACK

11007203 11007203

Explanation: Ambient temperature exceeded limit

Response: The system will shut down in 15 minutes. Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AMBTEMP

11007204 11007204

Explanation: Ambient temperature is back in range

Response: Follow the procedure for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AMBBACK

11007205 11007205

Explanation: Ambient temperature exceeded limit

Response: The system will shut down in 20 seconds. Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

Failing Item:

- AMBTEMP

11007207 11007207

Explanation: Ambient temperature has dropped below the low temperature limit.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AMBTEMP

11007211 11007211

Explanation: Ambient temperature is out of range

Response: Ambient temperature is above nominal for CPU performance. Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AMBTMP1

11007212 11007212

Explanation: Ambient temperature is back in range

Response: Ambient temperature has returned to nominal.

Problem determination: No additional problem determination.

Failing Item:

- AMBTMP2

11007220 11007220

Explanation: The system is located at an altitude that is outside the range of the system performance specification, and the thermal/power management firmware may reduce performance in heavy workload situations.

Response: The system is located at an altitude that is within the range of the system specification, but the thermal/power management firmware may reduce performance due to the altitude.

Problem determination: No additional problem determination.

Failing Item:

- ALTPERF

11007221 11007221

Explanation: The ambient temperature is outside the range of the system performance specification, and the thermal/power management firmware may reduce performance in heavy workload situations.

Response: The ambient temperature is outside the range of the system performance specification, and the thermal/power management firmware may reduce performance in heavy workload situations.

Problem determination: No additional problem determination.

Failing Item:

- AMBPERF

11007222 11007222

Explanation: The ambient temperature is back in range.

Response: No action required. This reference code is logged for information only.

Problem determination: No additional problem determination.

11007610 11007610

Explanation: Fan fault

Response: The fan is operating at the wrong speed. Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AIRMOVR
- TWRCARD

11007611 11007611

Explanation: Fan missing error

Response: A problem was detected with a fan which can be caused by a fan not being installed. Install fan if missing, replace if already installed. Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AIRMOVR
- TWRCARD

11007620 11007620

Explanation: Fan fault

Response: The fan is operating at the wrong speed. Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AIRMOVR
- TWRCARD

11007621 11007621

Explanation: Fan missing error

Response: A problem was detected with a fan which can be caused by a fan not being installed. Install fan if missing, replace if already installed. Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AIRMOVR
- TWRCARD

11007630 11007630

Explanation: A fan is operating at the wrong speed. Follow the instructions for the items listed in the FRU list.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AIRMOVR
- TWRCARD

11007631 11007631

Explanation: A problem was detected with a fan which can be caused by a fan not being installed. Install the fan if it is missing; replace it if already installed. Follow the instructions for the items listed in the FRU list.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AIRMOVR
- TWRCARD

11007640 11007640

Explanation: A fan is operating at the wrong speed. Follow the instructions for the items listed in the FRU list.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AIRMOVR

- TWRCARD

11007641 11007641

Explanation: A problem was detected with a fan which can be caused by a fan not being installed. Install the fan if it is missing; replace it if already installed. Follow the instructions for the items listed in the FRU list.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AIRMOVR
- TWRCARD

11007650 11007650

Explanation: A fan is operating at the wrong speed. Follow the instructions for the items listed in the FRU list.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AIRMOVR
- TWRCARD

11007651 11007651

Explanation: A problem was detected with a fan which can be caused by a fan not being installed. Install the fan if it is missing; replace it if already installed. Follow the instructions for the items listed in the FRU list.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AIRMOVR
- TWRCARD

11007660 11007660

Explanation: A fan is operating at the wrong speed. Follow the instructions for the items listed in the FRU list.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AIRMOVR
- TWRCARD

11007661 11007661

Explanation: A problem was detected with a fan which can be caused by a fan not being installed. Install the fan if it is missing; replace it if already installed. Follow the instructions for the items listed in the FRU list.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AIRMOVR
- TWRCARD

11007670 11007670

Explanation: A fan is operating at the wrong speed. Follow the instructions for the items listed in the FRU list.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AIRMOVR
- TWRCARD

11007671 11007671

Explanation: A problem was detected with a fan which can be caused by a fan not being installed. Install the fan if it is missing; replace it if already installed. Follow the instructions for the items listed in the FRU list.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AIRMOVR
- TWRCARD

110076A0 110076A0

Explanation: A problem was detected with a fan. Follow the instructions for the items listed in the FRU list.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AIRMOVR
- TWRCARD

110076A1 110076A1

Explanation: A problem was detected with a fan which can be caused by a fan not being installed. Install the fan if it is missing; replace it if already installed. Follow the instructions for the items listed in the FRU list.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AIRMOVR
- TWRCARD

110076B0 110076B0

Explanation: A problem was detected with a fan. Follow the instructions for the items listed in the FRU list.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AIRMOVR
- TWRCARD

110076B1 110076B1

Explanation: A problem was detected with a fan which can be caused by a fan not being installed. Install the fan if it is missing; replace it if already installed. Follow the instructions for the items listed in the FRU list.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

110076C0 • 11008414

- AIRMOVR
- TWRCARD

110076C0 110076C0

Explanation: Fan fault on a GX++ adapter card

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

110076C1 110076C1

Explanation: Fan fault on a GX++ adapter card

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

11008400 11008400

Explanation: No VPD was found due to invalid bypass

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- AJDG301

11008402 11008402

Explanation: Unable to collect VPD

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- VPDPART
- TWRCARD

11008404 11008404

Explanation: Processor unit VPD mismatch

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- VPDPART
- TWRCARD

11008405 11008405

Explanation: Processor unit VPD mismatch

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- VPDPART
- TWRCARD

11008406 11008406

Explanation: Processor unit VPD mismatch

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- VPDPART
- TWRCARD

11008409 11008409

Explanation: No processor installed

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- VPDPART
- TWRCARD

11008413 11008413

Explanation: Invalid processor VPD

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- VPDPART
- TWRCARD

11008414 11008414

Explanation: Invalid processor VPD

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- VPDPART
- TWRCARD

11008415 11008415

Explanation: Invalid processor 3 VPD**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- ANYPROC

11008416 11008416

Explanation: Invalid processor 4 VPD**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- ANYPROC

11008423 11008423

Explanation: No processor VPD**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- VPDPART
- TWRCARD

11008424 11008424

Explanation: No processor VPD**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- VPDPART
- TWRCARD

11008430 11008430

Explanation: The configuration ID is incorrect.**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- IDPART

11008432 11008432

Explanation: The configuration ID is incorrect.**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- IDPART

11008442 11008442

Explanation: An attempt was made to enable TurboMode, but one or more processor cards in the system is not TurboMode-capable.**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- VPDPART

11008443 11008443

Explanation: A drawer was added to a system that has TurboMode enabled, but the newly-added drawer is not TurboMode-capable.**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- VPDPART

11008444 11008444

Explanation: A TurboMode register failed.**Response:** Follow the instructions for the items listed in the FRU List.**Problem determination:** No additional problem determination.**Failing Item:**

- VPDPART

11008450 11008450

Explanation: SPCN configuration mismatch

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918
- TWRCARD

11008451 11008451

Explanation: SPCN configuration mismatch

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918
- TWRCARD

11008452 11008452

Explanation: Wrong power supply installed.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWRSPPLY
- TWRCARD

11008453 11008453

Explanation: There is an extra processor voltage regulator in the system.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918
- TWRCARD

11008454 11008454

Explanation: A fan is installed at location Un-A3 in a single-socket system. This configuration is not valid.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918
- TWRCARD

11008455 11008455

Explanation: Power supply missing

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWRSPPLY
- TWRCARD

11008456 11008456

Explanation: Power supply missing

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWRSPPLY
- TWRCARD

11008457 11008457

Explanation: The wrong processor VRMs are installed in the system; high-power VRMs are required.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918
- TWRCARD

11008458 11008458

Explanation: The wrong processor VRM(s) are installed in the system; high-power VRMs are required.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- PWR1918

11008460 **11008460**

Explanation: All PWR nodes guarded

Response: No action required. This reference code is logged for information only.

Problem determination: No additional problem determination.

11008480 **11008480**

Explanation: The DIMM or DIMM controller ID data is missing or corrupt.

Response: No action required. This reference code is logged for information only.

Problem determination: No additional problem determination.

Failing Item:

- FSPSP04
-

110084A1 **110084A1**

Explanation: Invalid power distribution backplane VPD

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- VPDPART
-

110084A2 **110084A2**

Explanation: Power distribution backplane mismatch

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- VPDPART
 - TWRCARD
-

110084A3 **110084A3**

Explanation: Invalid service processor card VPD

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- VPDPART
 - TWRCARD
-

110084A4 **110084A4**

Explanation: Service processor card mismatch.

Response: Follow the instructions for the items listed in the FRU List.

Problem determination: No additional problem determination.

Failing Item:

- VPDPART
 - TWRCARD
-

11008700 **11008700**

Explanation: BPC A lost input power

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

Failing Item:

- PWR2402
-

11008701 **11008701**

Explanation: BPC B lost input power

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

Failing Item:

- PWR2402
-

11008710 **11008710**

Explanation: DCA 1 UART communication fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

11008711 **11008711**

Explanation: DCA 2 UART communication fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

11008712 **11008712**

Explanation: DCA 3 UART communication fault

Response: Follow the instructions for the items listed in the FRU list.

11008713 • 11008720

Problem determination: No additional problem determination.

11008713 11008713

Explanation: DCA 4 UART communication fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

11008714 11008714

Explanation: DCA 5 UART communication fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

11008715 11008715

Explanation: DCA 6 UART communication fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

11008716 11008716

Explanation: DCA 7 UART communication fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

11008717 11008717

Explanation: DCA 8 UART communication fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

11008718 11008718

Explanation: DCA 10 UART communication fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

1100871A 1100871A

Explanation: DCA 11 UART communication fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

1100871B 1100871B

Explanation: DCA 12 UART communication fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

1100871C 1100871C

Explanation: DCA 13 UART communication fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

1100871D 1100871D

Explanation: DCA 14 UART communication fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

1100871E 1100871E

Explanation: DCA 15 UART communication fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

1100871F 1100871F

Explanation: DCA 16 UART communication fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

11008720 11008720

Explanation: BPC A Ethernet communication fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

11008721 11008721

Explanation: BPC B Ethernet communication fault

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

11008724 11008724

Explanation: BPC A machine type/model/serial number mismatch

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

11008725 11008725

Explanation: BPC B machine type/model/serial number mismatch

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

11008731 11008731

Explanation: BPC critical fault; none of the nodes in the system can be powered on.

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

11008732 11008732

Explanation: BPC critical fault; there's a CEC cage ID mismatch due to a cabling error.

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

11008733 11008733

Explanation: BPC critical fault; no nodes are present to power on.

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

11008734 11008734

Explanation: BPC fault; service processor error log collection failed.

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

11008735 11008735

Explanation: Service processor fault; no BPC IP addresses were found.

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

11008740 11008740

Explanation: BPC A failed to reach standby.

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

11008741 11008741

Explanation: BPC B failed to reach standby.

Response: Follow the instructions for the items listed in the FRU list.

Problem determination: No additional problem determination.

(1402) Reference codes

The bulk power subsystem reference codes are issued from the 24-inch power subsystem and are meant to be serviced through the management console. This list of (1402) reference codes is included here for informational use only.

Note: Serviceable actions for the following SRCs require that you use the management console to access more specific information, including isolation procedures, MAPs, and instruction on how to remove and replace parts.

14020018 **14020018**

Explanation: The P1 node has indicated a critical VTM failure and needs to be replaced.

Failing Item:

- P1_NODE

14020019 **14020019**

Explanation: One VTM has broadcast an alert from the indicated node. This is an informational only SRC and has no system impact.

14020020 **14020020**

Explanation: The P2 node has indicated a critical VTM failure and needs to be replaced.

Failing Item:

- P2_NODE

14020021 **14020021**

Explanation: The P3 node has indicated a critical VTM failure and needs to be replaced.

Failing Item:

- P3_NODE

14020022 **14020022**

Explanation: The P4 node has indicated a critical VTM failure and needs to be replaced.

Failing Item:

- P4_NODE

14020023 **14020023**

Explanation: The P5 node has indicated a critical VTM failure and needs to be replaced.

Failing Item:

- P5_NODE

14020024 **14020024**

Explanation: The P6 node has indicated a critical VTM failure and needs to be replaced.

Failing Item:

- P6_NODE

14020025 **14020025**

Explanation: The P7 node has indicated a critical VTM failure and needs to be replaced.

Failing Item:

- P7_NODE

14020026 **14020026**

Explanation: The P8 node has indicated a critical VTM failure and needs to be replaced.

Failing Item:

- P8_NODE

14020027 **14020027**

Explanation: The P9 node has indicated a critical VTM failure and needs to be replaced.

Failing Item:

- P9_NODE

14020028 **14020028**

Explanation: The P10 node has indicated a critical VTM failure and needs to be replaced.

Failing Item:

- P10_NODE

14020029 **14020029**

Explanation: The P11 node has indicated a critical VTM failure and needs to be replaced.

Failing Item:

- P11_NODE

14020030 **14020030**

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Explanation: The P12 node has indicated a critical VTM failure and needs to be replaced.

Failing Item:

- P12_NODE

14020056 14020056

Explanation: Water Moving Device number three is defective.

Failing Item:

- MDAW-3
- MWU-3

14020057 14020057

Explanation: Water Moving Device number four is defective.

Failing Item:

- MDAW-4
- MWU-4

14020058 14020058

Explanation: Water Moving Device number one is defective.

Failing Item:

- MDAW-1
- MWU-1

14020059 14020059

Explanation: Water Moving Device number two is defective.

Failing Item:

- MDAW-2
- MWU-2

14020060 14020060

Explanation: Air Moving Device number one is defective.

Failing Item:

- MDAA-1
- MSAA-1

14020061 14020061

Explanation: Air Moving Device number two is defective.

Failing Item:

- MDAA-2
- MSAA-2

14020062 14020062

Explanation: Air Moving Device number three is defective.

Failing Item:

- MDAA-3
- MSAA-3

14020063 14020063

Explanation: Air Moving Device number four is defective.

Failing Item:

- MDAA-4
- MSAA-4

14020072 14020072

Explanation: The ambient room temperature is out of specification (to hot). The sensors are located in the EPO panel and read/converted by the BPC or BPCH.

Failing Item:

- NOT_A_BPA_FRU

14020073 14020073

Explanation: The ambient room temperature is out of specification (to cold). The sensors are located in the EPO panel and read/converted by the BPC or BPCH.

Failing Item:

- NOT_A_BPA_FRU

14020074 14020074

Explanation: The chilled input water to MWU1 is out of specification (to cold) or there is an issue with flow. (Monitored by MWU1) If unable to correct contact IBM support.

Failing Item:

- NOT_A_BPA_FRU

14020075 14020075

Explanation: The chilled input water to MWU2 is out of specification (to cold) or there is an issue with flow. (Monitored by MWU2) If unable to correct contact IBM support.

Failing Item:

- NOT_A_BPA_FRU

14020076 **14020076**

Explanation: The chilled input water to MWU1 is out of specification (to Hot) or there is an issue with flow. (Monitored by MWU1) If unable to correct contact IBM support.

Failing Item:

- NOT_A_BPA_FRU
-

14020077 **14020077**

Explanation: The chilled input water to MWU2 is out of specification (to Hot) or there is an issue with flow. ((Monitored by MWU2) If unable to correct contact IBM support.

Failing Item:

- NOT_A_BPA_FRU
-

14020078 **14020078**

Explanation: Logic on a PU book has reached a warning level. Next level of support should be notified of potential problem.

14020079 **14020079**

Explanation: All DCAs have detected a critical logic over temperature in the called PU enclosure.

Failing Item:

- ANY-NODE
-

1402007A **1402007A**

Explanation: A fault has been detected on MCM1 in the PU book indicated in failure information. See Power fault reason code for further information and contact next level of support.

Failing Item:

- MCM1
-

1402007B **1402007B**

Explanation: A fault has been detected on MCM2 in the PU book indicated in failure information. See Power fault reason code for further information and contact next level of support.

Failing Item:

- MCM2
-

1402007C **1402007C**

Explanation: A fault has been detected on MCM3 in the PU book indicated in failure information. See Power fault reason code for further information and contact next level of support.

Failing Item:

- MCM3
-

1402007D **1402007D**

Explanation: A fault has been detected on MCM4 in the PU book indicated in failure information. See Power fault reason code for further information and contact next level of support.

Failing Item:

- MCM4
-

1402007E **1402007E**

Explanation: There is a problem with sensed and passed configuration of the MCMs that are installed in the system.

1402007F **1402007F**

Explanation: LGA shorts test has failed.

Failing Item:

- MCM1
 - MCM2
 - ANY-NODE
-

14020080 **14020080**

Explanation: All DCAs in CEC assembly have recieved bad voltage settings from VPD. Contact next level of support for resolution of this issue. The affected hardware will not power on.

14020081 **14020081**

Explanation: Input power to BPA A has been lost or partially lost.

Failing Item:

- BPR-1A
 - BPR-2A
 - BPR-3A
 - CBL-PWRC-BPE-A1-PWR
 - BPC-A
 - BPE-BOARD-A
-

14020082 **14020082**

Explanation: The input power to BPA B has been lost or partially lost.

Failing Item:

- BPR-1B
- BPR-2B
- BPR-3B
- CBL-PWRC-BPE-B1-PWR
- BPC-B

14020083 • 14020092

- BPE-BOARD-B

14020083 14020083

Explanation: Input power to BPA A has been lost or partially lost.

Failing Item:

- BPR-4A
- BPR-5A
- BPR-6A
- CBL-PWRC-BPE-A2-PWR
- BPC-A
- BPE-BOARD-A

14020084 14020084

Explanation: Input power to BPA B has been lost or partially lost.

Failing Item:

- BPR-4B
- BPR-5B
- BPR-6B
- CBL-PWRC-BPE-B2-PWR
- BPC-B
- BPE-BOARD-B

14020085 14020085

Explanation: The thermal sensor(s) on a PU book has indicated a thermal problem and one or more DCAs have turned off. Notify next level of support for further action.

14020086 14020086

Explanation: BPA A has determined that there is an unsupported mix of different BPR part numbers. IBM support should identify that the proper parts are in the BPA and which to remove.

14020087 14020087

Explanation: BPA B has determined that there is an unsupported mix of different BPR part numbers. IBM support should identify that the proper parts are in the BPA and which to remove.

14020088 14020088

Explanation: The chilled input water to MWU3 is out of specification (to Hot) or there is an issue with flow. (Monitored by MWU3) If unable to correct contact IBM support.

Failing Item:

- NOT_A_BPA_FRU

14020089 14020089

Explanation: The chilled input water to MWU4 is out of specification (to Hot) or there is an issue with flow. (Monitored by MWU4) If unable to correct contact IBM support.

Failing Item:

- NOT_A_BPA_FRU

1402008A 1402008A

Explanation: The chilled input water to MWU3 is out of specification (to cold) or there is an issue with flow. (Monitored by MWU3) If unable to correct contact IBM support.

Failing Item:

- NOT_A_BPA_FRU

1402008B 1402008B

Explanation: The chilled input water to MWU4 is out of specification (to cold) or there is an issue with flow. (Monitored by MWU4) If unable to correct contact IBM support.

Failing Item:

- NOT_A_BPA_FRU

1402008F 1402008F

Explanation: The system has reached a critical state that indicates a problem with the system input chilled water. If unable to correct condition contact next level of support.

14020090 14020090

Explanation: Input power has reached a low threshold on BPA A line cord 1. Input should be corrected or contact next level of service support for assistance.

14020091 14020091

Explanation: Input power has reached a high threshold on BPA A line cord 2. Input should be corrected or contact next level of service support for assistance.

14020092 14020092

Explanation: Input power has reached a low threshold on BPA B line cord 1. Input should be corrected or contact next level of service support for assistance.

14020093 **14020093**

Explanation: Input power has reached a high threshold on BPA B line cord 2. Input should be corrected or contact next level of service support for assistance.

140200F0 **140200F0**

Explanation: The temperature sensed in a PU book has reached a warning level. Next level of support should be notified of potential problem.

140200F1 **140200F1**

Explanation: The temperature sensed in a PU book has returned to normal from a warning level. Next level of support should be notified of potential problem.

140200F2 **140200F2**

Explanation: The temperature sensed in a PU book is approaching a critical level. Next level of support should be notified of potential problem.

140200F3 **140200F3**

Explanation: The temperature sensed in a PU book has returned to normal. Next level of support should be notified of potential problem.

140200F4 **140200F4**

Explanation: The room temperature sensed at the UEPO switch has returned to normal. Next level of support should be notified of potential problem.

140200F5 **140200F5**

Explanation: The input water temperature sensed by MWU1 has returned to normal. IBM support should be notified of potential problem if this occurs without cause being identified.

140200F6 **140200F6**

Explanation: The input water temperature sensed by MWU2 has returned to normal. IBM support should be notified of potential problem if this occurs without cause being identified.

140200F7 **140200F7**

Explanation: Low power mode has been entered. This src is for information only and is not by itself an indication of error.

140200F8 **140200F8**

Explanation: Low power mode has been exited. This src is for information only and is not by itself an indication of error.

140200F9 **140200F9**

Explanation: The input water temperature sensed by MWU3 has returned to normal. IBM support should be notified of potential problem if this occurs without cause being identified.

140200FA **140200FA**

Explanation: The input water temperature sensed by MWU4 has returned to normal. IBM support should be notified of potential problem if this occurs without cause being identified.

140200FB **140200FB**

Explanation: The temperature sensed by BPA A has returned to normal. IBM support should be notified of potential problem if this occurs without cause being identified.

140200FC **140200FC**

Explanation: The temperature sensed by BPA B has returned to normal. IBM support should be notified of potential problem if this occurs without cause being identified.

140200FD **140200FD**

Explanation: The Ambient Room Humidity has returned to normal. IBM support should be notified of potential problem if this occurs without cause being identified.

140200FE **140200FE**

Explanation: The Room Dew Point value has returned to normal. IBM support should be notified of potential problem if this occurs without cause being identified.

140200FF **140200FF**

Explanation: A water issue has been sensed in specified enclosure. Check all water connections to the drawer/cage. Next level of support should be notified of potential problem.

Failing Item:

- CAGE1
-

14020100 • 14020119

14020100 14020100

Explanation: The voltage on voltage level 0 has reached the warning undervoltage limit for the specified cage or drawer.

14020101 14020101

Explanation: The voltage on voltage level 1 has reached the warning undervoltage limit for the specified cage or drawer.

14020102 14020102

Explanation: The voltage on voltage level 2 has reached the warning undervoltage limit for the specified cage or drawer.

14020103 14020103

Explanation: The voltage on voltage level 3 has reached the warning undervoltage limit for the specified cage or drawer.

14020104 14020104

Explanation: The voltage on voltage level 4 has reached the warning undervoltage limit for the specified cage or drawer.

14020105 14020105

Explanation: The voltage on voltage level 5 has reached the warning undervoltage limit for the specified cage or drawer.

14020106 14020106

Explanation: The voltage on voltage level 6 has reached the warning undervoltage limit for the specified cage or drawer.

14020107 14020107

Explanation: The voltage on voltage level 7 has reached the warning undervoltage limit for the specified cage or drawer.

14020108 14020108

Explanation: The voltage on voltage level 8 has reached the warning undervoltage limit for the specified cage or drawer.

14020109 14020109

Explanation: The voltage on voltage level 9 has reached the warning undervoltage limit for the specified cage or drawer.

14020110 14020110

Explanation: The voltage on voltage level 10 has reached the warning undervoltage limit for the specified cage or drawer.

14020111 14020111

Explanation: The voltage on voltage level 11 has reached the warning undervoltage limit for the specified cage or drawer.

14020112 14020112

Explanation: The voltage on voltage level 12 has reached the warning undervoltage limit for the specified cage or drawer.

14020113 14020113

Explanation: The voltage on voltage level 13 has reached the warning undervoltage limit for the specified cage or drawer.

14020114 14020114

Explanation: The voltage on voltage level 14 has reached the warning undervoltage limit for the specified cage or drawer.

14020115 14020115

Explanation: The voltage on voltage level 15 has reached the warning undervoltage limit for the specified cage or drawer.

14020116 14020116

Explanation: The voltage on voltage level 16 has reached the warning undervoltage limit for the specified cage or drawer.

14020117 14020117

Explanation: The voltage on voltage level 17 has reached the warning undervoltage limit for the specified cage or drawer.

14020118 14020118

Explanation: The voltage on voltage level 18 has reached the warning undervoltage limit for the specified cage or drawer.

14020119 14020119

Explanation: The voltage on voltage level 19 has reached the warning undervoltage limit for the specified cage or drawer.

14020120 **14020120**

Explanation: The voltage on voltage level 20 has reached the warning undervoltage limit for the specified cage or drawer.

14020121 **14020121**

Explanation: The voltage on voltage level 21 has reached the warning undervoltage limit for the specified cage or drawer.

14020122 **14020122**

Explanation: The voltage on voltage level 22 has reached the warning undervoltage limit for the specified cage or drawer.

14020123 **14020123**

Explanation: The voltage on voltage level 23 has reached the warning undervoltage limit for the specified cage or drawer.

14020124 **14020124**

Explanation: The voltage on voltage level 24 has reached the warning undervoltage limit for the specified cage or drawer.

14020125 **14020125**

Explanation: The voltage on voltage level 25 has reached the warning undervoltage limit for the specified cage or drawer.

14020126 **14020126**

Explanation: The voltage on voltage level 26 has reached the warning undervoltage limit for the specified cage or drawer.

14020127 **14020127**

Explanation: The voltage on voltage level 27 has reached the warning undervoltage limit for the specified cage or drawer.

14020128 **14020128**

Explanation: The voltage on voltage level 28 has reached the warning undervoltage limit for the specified cage or drawer.

14020129 **14020129**

Explanation: The voltage on voltage level 29 has reached the warning undervoltage limit for the specified cage or drawer.

14020130 **14020130**

Explanation: The voltage on voltage level 30 has reached the warning undervoltage limit for the specified cage or drawer.

14020131 **14020131**

Explanation: The voltage on voltage level 31 has reached the warning undervoltage limit for the specified cage or drawer.

14020132 **14020132**

Explanation: The voltage on voltage level 32 has reached the warning undervoltage limit for the specified cage or drawer.

14020133 **14020133**

Explanation: The voltage on voltage level 33 has reached the warning undervoltage limit for the specified cage or drawer.

14020134 **14020134**

Explanation: The voltage on voltage level 34 has reached the warning undervoltage limit for the specified cage or drawer.

14020135 **14020135**

Explanation: There has been an internal bulk power software error.

Failing Item:

- NOT_A_BPA_FRU

14020136 **14020136**

Explanation: A PU book has entered throttling mode.

14020137 **14020137**

Explanation: The voltage on voltage level 37 has reached the warning undervoltage limit for the specified cage or drawer.

14020138 **14020138**

Explanation: The voltage on voltage level 38 has reached the warning undervoltage limit for the specified cage or drawer.

14020139 **14020139**

Explanation: The voltage on voltage level 39 has reached the warning undervoltage limit for the specified cage or drawer.

14020140 • 14020163

14020140 14020140

Explanation: The voltage on voltage level 40 has reached the warning undervoltage limit for the specified cage or drawer.

14020141 14020141

Explanation: The voltage on voltage level 41 has reached the warning undervoltage limit for the specified cage or drawer.

14020142 14020142

Explanation: The voltage on voltage level 42 has reached the warning undervoltage limit for the specified cage or drawer.

14020143 14020143

Explanation: The voltage on voltage level 43 has reached the warning undervoltage limit for the specified cage or drawer.

14020144 14020144

Explanation: The voltage on voltage level 44 has reached the warning undervoltage limit for the specified cage or drawer.

14020145 14020145

Explanation: The voltage on voltage level 45 has reached the warning undervoltage limit for the specified cage or drawer.

14020146 14020146

Explanation: The voltage on voltage level 46 has reached the warning undervoltage limit for the specified cage or drawer.

14020147 14020147

Explanation: The voltage on voltage level 47 has reached the warning undervoltage limit for the specified cage or drawer.

14020148 14020148

Explanation: The voltage on voltage level 48 has reached the warning undervoltage limit for the specified cage or drawer.

14020149 14020149

Explanation: The voltage on voltage level 49 has reached the warning undervoltage limit for the specified cage or drawer.

14020150 14020150

Explanation: The voltage on voltage level 35 has reached the warning undervoltage limit for the specified cage or drawer.

14020151 14020151

Explanation: The voltage on voltage level 36 has reached the warning undervoltage limit for the specified cage or drawer.

14020160 14020160

Explanation: DCA 1's Air Moving Device number one is defective.

Failing Item:

- MSAA-1
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

14020161 14020161

Explanation: DCA 1's Air Moving Device number two is defective.

Failing Item:

- MSAA-2
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

14020162 14020162

Explanation: DCA 1's Air Moving Device number three is defective.

Failing Item:

- MSAA-3
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

14020163 14020163

Explanation: DCA 2's Air Moving Device number one is defective.

Failing Item:

- MSAA-4
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
-

14020164 **14020164**

Explanation: DCA 2's Air Moving Device number two is defective.

Failing Item:

- MSAA-5
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
-

14020165 **14020165**

Explanation: DCA 2's Air Moving Device number three is defective.

Failing Item:

- MSAA-6
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
-

14020166 **14020166**

Explanation: DCA 1's Air Moving Device number four is defective.

Failing Item:

- MSAA-7
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
-

14020167 **14020167**

Explanation: DCA 1's Air Moving Device number five is defective.

Failing Item:

- MSAA-8
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
-

14020168 **14020168**

Explanation: DCA 1's Air Moving Device number six is defective.

Failing Item:

- MSAA-9
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
-

14020169 **14020169**

Explanation: DCA 2's Air Moving Device number four is defective.

Failing Item:

- MSAA-10
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
-

14020170 **14020170**

Explanation: DCA 2's Air Moving Device number five is defective.

Failing Item:

- MSAA-11
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
-

14020171 **14020171**

Explanation: DCA 2's Air Moving Device number six is defective.

Failing Item:

- MSAA-12
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
-

14020190 **14020190**

Explanation: Input power has reached a high threshold on BPA A line cord 1. Input should be corrected or contact next level of service support for assistance.

14020191 **14020191**

Explanation: Input power has reached a high threshold on BPA A line cord 2. Input should be corrected or contact next level of service support for assistance.

14020192 **14020192**

Explanation: Input power has reached a high threshold on BPA B line cord 1. Input should be corrected or contact next level of service support for assistance.

14020193 14020193

Explanation: Input power has reached a high threshold on BPA B line cord 2. Input should be corrected or contact next level of service support for assistance.

14020200 14020200

Explanation: The voltage on voltage level 0 has reached the warning over voltage limit for the specified cage or drawer.

14020201 14020201

Explanation: The voltage on voltage level 1 has reached the warning over voltage limit for the specified cage or drawer.

14020202 14020202

Explanation: The voltage on voltage level 2 has reached the warning over voltage limit for the specified cage or drawer.

14020203 14020203

Explanation: The voltage on voltage level 3 has reached the warning over voltage limit for the specified cage or drawer.

14020204 14020204

Explanation: The voltage on voltage level 4 has reached the warning over voltage limit for the specified cage or drawer.

14020205 14020205

Explanation: The voltage on voltage level 5 has reached the warning over voltage limit for the specified cage or drawer.

14020206 14020206

Explanation: The voltage on voltage level 6 has reached the warning over voltage limit for the specified cage or drawer.

14020207 14020207

Explanation: The voltage on voltage level 7 has reached the warning over voltage limit for the specified cage or drawer.

14020208 14020208

Explanation: The voltage on voltage level 8 has reached the warning over voltage limit for the specified cage or drawer.

14020209 14020209

Explanation: The voltage on voltage level 8 has reached the warning over voltage limit for the specified cage or drawer.

14020210 14020210

Explanation: The voltage on voltage level 10 has reached the warning over voltage limit for the specified cage or drawer.

14020211 14020211

Explanation: The voltage on voltage level 11 has reached the warning over voltage limit for the specified cage or drawer.

14020212 14020212

Explanation: The voltage on voltage level 12 has reached the warning over voltage limit for the specified cage or drawer.

14020213 14020213

Explanation: The voltage on voltage level 13 has reached the warning over voltage limit for the specified cage or drawer.

14020214 14020214

Explanation: The voltage on voltage level 14 has reached the warning over voltage limit for the specified cage or drawer.

14020215 14020215

Explanation: The voltage on voltage level 15 has reached the warning over voltage limit for the specified cage or drawer.

14020216 14020216

Explanation: The voltage on voltage level 16 has reached the warning over voltage limit for the specified cage or drawer.

14020217 14020217

Explanation: The voltage on voltage level 17 has reached the warning over voltage limit for the specified cage or drawer.

14020218 14020218

Explanation: The voltage on voltage level 18 has reached the warning over voltage limit for the specified cage or drawer.

14020219 14020219

Explanation: The voltage on voltage level 19 has reached the warning over voltage limit for the specified cage or drawer.

14020220 14020220

Explanation: The voltage on voltage level 20 has reached the warning over voltage limit for the specified cage or drawer.

14020221 14020221

Explanation: The voltage on voltage level 21 has reached the warning over voltage limit for the specified cage or drawer.

14020222 14020222

Explanation: The voltage on voltage level 22 has reached the warning over voltage limit for the specified cage or drawer.

14020223 14020223

Explanation: The voltage on voltage level 23 has reached the warning over voltage limit for the specified cage or drawer.

14020224 14020224

Explanation: The voltage on voltage level 24 has reached the warning over voltage limit for the specified cage or drawer.

14020225 14020225

Explanation: The voltage on voltage level 25 has reached the warning over voltage limit for the specified cage or drawer.

14020226 14020226

Explanation: The voltage on voltage level 26 has reached the warning over voltage limit for the specified cage or drawer.

14020227 14020227

Explanation: The voltage on voltage level 27 has reached the warning over voltage limit for the specified cage or drawer.

14020228 14020228

Explanation: The voltage on voltage level 28 has reached the warning over voltage limit for the specified cage or drawer.

14020229 14020229

Explanation: The voltage on voltage level 29 has reached the warning over voltage limit for the specified cage or drawer.

14020230 14020230

Explanation: The voltage on voltage level 30 has reached the warning over voltage limit for the specified cage or drawer.

14020231 14020231

Explanation: The voltage on voltage level 31 has reached the warning over voltage limit for the specified cage or drawer.

14020232 14020232

Explanation: The voltage on voltage level 32 has reached the warning over voltage limit for the specified cage or drawer.

14020233 14020233

Explanation: The voltage on voltage level 33 has reached the warning over voltage limit for the specified cage or drawer.

14020234 14020234

Explanation: The voltage on voltage level 34 has reached the warning over voltage limit for the specified cage or drawer.

14020235 14020235

Explanation: The voltage on voltage level 35 has reached the warning over voltage limit for the specified cage or drawer.

14020236 14020236

Explanation: The voltage on voltage level 36 has reached the warning over voltage limit for the specified cage or drawer.

14020237 14020237

Explanation: The voltage on voltage level 37 has reached the warning over voltage limit for the specified cage or drawer.

14020238 14020238

Explanation: The voltage on voltage level 38 has reached the warning over voltage limit for the specified cage or drawer.

14020239 14020239

Explanation: The voltage on voltage level 39 has reached the warning over voltage limit for the specified cage or drawer.

14020240 14020240

Explanation: The voltage on voltage level 40 has reached the warning over voltage limit for the specified cage or drawer.

14020241 14020241

Explanation: The voltage on voltage level 41 has reached the warning over voltage limit for the specified cage or drawer.

14020242 14020242

Explanation: The voltage on voltage level 42 has reached the warning over voltage limit for the specified cage or drawer.

14020243 14020243

Explanation: The voltage on voltage level 43 has reached the warning over voltage limit for the specified cage or drawer.

14020244 14020244

Explanation: The voltage on voltage level 44 has reached the warning over voltage limit for the specified cage or drawer.

14020245 14020245

Explanation: The voltage on voltage level 45 has reached the warning over voltage limit for the specified cage or drawer.

14020246 14020246

Explanation: The voltage on voltage level 46 has reached the warning over voltage limit for the specified cage or drawer.

14020247 14020247

Explanation: The voltage on voltage level 47 has reached the warning over voltage limit for the specified cage or drawer.

14020248 14020248

Explanation: The voltage on voltage level 48 has reached the warning over voltage limit for the specified cage or drawer.

14020249 14020249

Explanation: The voltage on voltage level 49 has reached the warning over voltage limit for the specified cage or drawer.

14020260 14020260

Explanation: DCA 1's Air Moving Device number one is defective.

Failing Item:

- MSAA-1
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020261 14020261

Explanation: DCA 1's Air Moving Device number two is defective.

Failing Item:

- MSAA-2
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020262 14020262

Explanation: DCA 1's Air Moving Device number three is defective.

Failing Item:

- MSAA-3
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020263 14020263

Explanation: DCA 2's Air Moving Device number one is defective.

Failing Item:

- MSAA-4
 - IO_DCA-02
 - IO_DCA-01
 - MIDPLANE
-

14020264 **14020264**

Explanation: DCA 2's Air Moving Device number two is defective.

Failing Item:

- MSAA-5
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020265 **14020265**

Explanation: DCA 2's Air Moving Device number three is defective.

Failing Item:

- MSAA-6
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020266 **14020266**

Explanation: DCA 2's Air Moving Device number four is defective.

Failing Item:

- MSAA-7
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020267 **14020267**

Explanation: DCA 1's Air Moving Device number five is defective.

Failing Item:

- MSAA-8
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020268 **14020268**

Explanation: DCA 1's Air Moving Device number six is defective.

Failing Item:

- MSAA-9
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020269 **14020269**

Explanation: DCA 2's Air Moving Device number four is defective.

Failing Item:

- MSAA-10
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020270 **14020270**

Explanation: DCA 2's Air Moving Device number five is defective.

Failing Item:

- MSAA-11
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020271 **14020271**

Explanation: DCA 2's Air Moving Device number six is defective.

Failing Item:

- MSAA-12
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020300 **14020300**

Explanation: An over current condition has been detected on voltage level 0 for the specified cage or drawer.

14020301 **14020301**

Explanation: An over current condition has been detected on voltage level 1 for the specified cage or drawer.

14020302 **14020302**

Explanation: An over current condition has been detected for voltage level 2 for the specified cage or drawer.

14020303 **14020303**

Explanation: An over current condition has been detected for voltage level 3 for the specified cage or drawer.

14020304 • 14020323

14020304 14020304

Explanation: An over current condition has been detected for voltage level 4 level for the specified cage or drawer.

14020305 14020305

Explanation: An over current condition has been detected for voltage level 5 for the specified cage or drawer.

14020306 14020306

Explanation: An over current condition has been detected for voltage level 6 for the specified cage or drawer.

14020307 14020307

Explanation: An over current condition has been detected for voltage level 7 for the specified cage or drawer.

14020308 14020308

Explanation: An over current condition has been detected for voltage level 8 for the specified cage or drawer.

14020309 14020309

Explanation: An over current condition has been detected for voltage level 9 for the specified cage or drawer.

14020310 14020310

Explanation: An over current condition has been detected for voltage level 10 for the specified cage or drawer.

14020311 14020311

Explanation: An over current condition has been detected for voltage level 11 for the specified cage or drawer.

14020312 14020312

Explanation: An over current condition has been detected for voltage level 12 for the specified cage or drawer.

14020313 14020313

Explanation: An over current condition has been detected for voltage level 13 for the specified cage or drawer.

14020314 14020314

Explanation: An over current condition has been detected for voltage level 14 for the specified cage or drawer.

14020315 14020315

Explanation: An over current condition has been detected for voltage level 15 for the specified cage or drawer.

14020316 14020316

Explanation: An over current condition has been detected for voltage level 16 for the specified cage or drawer.

14020317 14020317

Explanation: An over current condition has been detected for voltage level 17 for the specified cage or drawer.

14020318 14020318

Explanation: An over current condition has been detected for voltage level 18 for the specified cage or drawer.

14020319 14020319

Explanation: An over current condition has been detected for voltage level 19 for the specified cage or drawer.

14020320 14020320

Explanation: An over current condition has been detected for voltage level 20 for the specified cage or drawer.

14020321 14020321

Explanation: An over current condition has been detected for voltage level 21 for the specified cage or drawer.

14020322 14020322

Explanation: An over current condition has been detected for voltage level 22 for the specified cage or drawer.

14020323 14020323

Explanation: An over current condition has been detected for voltage level 13 for the specified cage or drawer.

14020324 14020324

Explanation: An over current condition has been detected for voltage level 24 for the specified cage or drawer.

14020325 14020325

Explanation: An over current condition has been detected for voltage level 25 for the specified cage or drawer.

14020326 14020326

Explanation: An over current condition has been detected for voltage level 26 for the specified cage or drawer.

14020327 14020327

Explanation: An over current condition has been detected for voltage level 27 for the specified cage or drawer.

14020328 14020328

Explanation: An over current condition has been detected for voltage level 28 for the specified cage or drawer.

14020329 14020329

Explanation: An over current condition has been detected for voltage level 29 for the specified cage or drawer.

14020330 14020330

Explanation: An over current condition has been detected for voltage level 30 for the specified cage or drawer.

14020331 14020331

Explanation: An over current condition has been detected for voltage level 31 for the specified cage or drawer.

14020332 14020332

Explanation: An over current condition has been detected for voltage level 32 for the specified cage or drawer.

14020333 14020333

Explanation: An over current condition has been detected for voltage level 33 for the specified cage or drawer.

14020334 14020334

Explanation: An over current condition has been detected for voltage level 34 for the specified cage or drawer.

14020335 14020335

Explanation: An over current condition has been detected for voltage level 35 for the specified cage or drawer.

14020336 14020336

Explanation: An over current condition has been detected for voltage level 36 for the specified cage or drawer.

14020337 14020337

Explanation: An over current condition has been detected for voltage level 37 for the specified cage or drawer.

14020338 14020338

Explanation: An over current condition has been detected for voltage level 38 for the specified cage or drawer.

14020339 14020339

Explanation: An over current condition has been detected for voltage level 39 for the specified cage or drawer.

14020340 14020340

Explanation: An over current condition has been detected for voltage level 40 for the specified cage or drawer.

14020341 14020341

Explanation: An over current condition has been detected for voltage level 41 for the specified cage or drawer.

14020342 14020342

Explanation: An over current condition has been detected for voltage level 42 for the specified cage or drawer.

14020343 14020343

Explanation: An over current condition has been detected for voltage level 43 for the specified cage or drawer.

14020344 14020344

Explanation: An over current condition has been detected for voltage level 44 for the specified cage or drawer.

14020345 14020345

Explanation: An over current condition has been detected for voltage level 45 for the specified cage or drawer.

14020346 14020346

Explanation: An over current condition has been detected for voltage level 46 for the specified cage or drawer.

14020347 14020347

Explanation: An over current condition has been detected for voltage level 47 for the specified cage or drawer.

14020348 14020348

Explanation: An over current condition has been detected for voltage level 48 for the specified cage or drawer.

Failing Item:

- FRULEVEL48

14020349 14020349

Explanation: An over current condition has been detected for voltage level 49 for the specified cage or drawer.

Failing Item:

- FRULEVEL49

14020360 14020360

Explanation: DCA 1's Air Moving Device number one is defective.

Failing Item:

- MSAA-1
- IO_DCA-01

14020361 14020361

Explanation: DCA 1's Air Moving Device number two is defective.

Failing Item:

- MSAA-2
- IO_DCA-01

14020362 14020362

Explanation: DCA 1's Air Moving Device number three is defective.

Failing Item:

- MSAA-3
- IO_DCA-01

14020363 14020363

Explanation: DCA 2's Air Moving Device number one is defective.

Failing Item:

- MSAA-4
- IO_DCA-02

14020364 14020364

Explanation: DCA 2's Air Moving Device number two is defective.

Failing Item:

- MSAA-5
- IO_DCA-02

14020365 14020365

Explanation: DCA 2's Air Moving Device number three is defective.

Failing Item:

- MSAA-6
- IO_DCA-02

14020400 14020400

Explanation: An over voltage condition has been detected for voltage level 0 for the specified cage or drawer.

14020401 14020401

Explanation: An over voltage condition has been detected for voltage level 1 for the specified cage or drawer.

14020402 14020402

Explanation: An over voltage condition has been detected for voltage level 2 for the specified cage or drawer.

14020403 14020403

Explanation: An over voltage condition has been detected for voltage level 3 for the specified cage or drawer.

14020404 14020404

Explanation: An over voltage condition has been detected for voltage level 4 for the specified cage or drawer.

14020405 14020405

Explanation: An over voltage condition has been detected for voltage level 5 for the specified cage or drawer.

14020406 14020406

Explanation: An over voltage condition has been detected for voltage level 6 for the specified cage or drawer.

14020407 14020407

Explanation: An over voltage condition has been detected for voltage level 7 for the specified cage or drawer.

14020408 14020408

Explanation: An over voltage condition has been detected for voltage level 8 specified cage or drawer.

14020409 14020409

Explanation: An over voltage condition has been detected for voltage level 9 specified cage or drawer.

14020410 14020410

Explanation: An over voltage condition has been detected for voltage level 10 specified cage or drawer.

14020411 14020411

Explanation: An over voltage condition has been detected for voltage level 11 specified cage or drawer.

14020412 14020412

Explanation: An over voltage condition has been detected for voltage level 12 specified cage or drawer.

14020413 14020413

Explanation: An over voltage condition has been detected for voltage level 13 specified cage or drawer.

14020414 14020414

Explanation: An over voltage condition has been detected for voltage level 14 for the specified cage or drawer.

14020415 14020415

Explanation: An over voltage condition has been detected for voltage level 15 for the specified cage or drawer.

14020416 14020416

Explanation: An over voltage condition has been detected for voltage level 16 for the specified cage or drawer.

14020417 14020417

Explanation: An over voltage condition has been detected for voltage level 17 for the specified cage or drawer.

14020418 14020418

Explanation: An over voltage condition has been detected for voltage level 18 specified cage or drawer.

14020419 14020419

Explanation: An over voltage condition has been detected for voltage level 19 specified cage or drawer.

14020420 14020420

Explanation: An over voltage condition has been detected for voltage level 20 specified cage or drawer.

14020421 14020421

Explanation: An over voltage condition has been detected for voltage level 21 specified cage or drawer.

14020422 14020422

Explanation: An over voltage condition has been detected for voltage level 22 specified cage or drawer.

14020423 14020423

Explanation: An over voltage condition has been detected for voltage level 23 specified cage or drawer.

14020424 14020424

Explanation: An over voltage condition has been detected for voltage level 24 for the specified cage or drawer.

14020425 14020425

Explanation: An over voltage condition has been detected for voltage level 25 for the specified cage or drawer.

14020426 • 14020447

14020426 14020426

Explanation: An over voltage condition has been detected for voltage level 26 for the specified cage or drawer.

14020427 14020427

Explanation: An over voltage condition has been detected for voltage level 27 for the specified cage or drawer.

14020428 14020428

Explanation: An over voltage condition has been detected for voltage level 28 specified cage or drawer.

14020429 14020429

Explanation: An over voltage condition has been detected for voltage level 29 specified cage or drawer.

14020430 14020430

Explanation: An over voltage condition has been detected for voltage level 30 specified cage or drawer.

14020431 14020431

Explanation: An over voltage condition has been detected for voltage level 31 specified cage or drawer.

14020432 14020432

Explanation: An over voltage condition has been detected for voltage level 32 specified cage or drawer.

14020433 14020433

Explanation: An over voltage condition has been detected for voltage level 33 specified cage or drawer.

14020434 14020434

Explanation: An over voltage condition has been detected for voltage level 34 for the specified cage or drawer.

14020435 14020435

Explanation: An over voltage condition has been detected for voltage level 35 for the specified cage or drawer.

14020436 14020436

Explanation: An over voltage condition has been detected for voltage level 36 for the specified cage or drawer.

14020437 14020437

Explanation: An over voltage condition has been detected for voltage level 37 for the specified cage or drawer.

14020438 14020438

Explanation: An over voltage condition has been detected for voltage level 38 specified cage or drawer.

14020439 14020439

Explanation: An over voltage condition has been detected for voltage level 39 specified cage or drawer.

14020440 14020440

Explanation: An over voltage condition has been detected for voltage level 40 specified cage or drawer.

14020441 14020441

Explanation: An over voltage condition has been detected for voltage level 41 specified cage or drawer.

14020442 14020442

Explanation: An over voltage condition has been detected for voltage level 42 specified cage or drawer.

14020443 14020443

Explanation: An over voltage condition has been detected for voltage level 43 specified cage or drawer.

14020444 14020444

Explanation: An over voltage condition has been detected for voltage level 44 for the specified cage or drawer.

14020445 14020445

Explanation: An over voltage condition has been detected for voltage level 45 for the specified cage or drawer.

14020446 14020446

Explanation: An over voltage condition has been detected for voltage level 46 for the specified cage or drawer.

14020447 14020447

Explanation: An over voltage condition has been detected for voltage level 47 for the specified cage or drawer.

14020448 14020448

Explanation: An over voltage condition has been detected for voltage level 48 specified cage or drawer.

Failing Item:

- FRULEVEL48
-

14020449 14020449

Explanation: An over voltage condition has been detected for voltage level 49 specified cage or drawer.

Failing Item:

- FRULEVEL49
-

14020501 14020501

Explanation: Blower number one in the disk enclosure is defective.

Failing Item:

- MSAA-1
-

14020502 14020502

Explanation: Blower number two in the disk enclosure is defective.

Failing Item:

- MSAA-2
-

14020503 14020503

Explanation: Blower number three in the disk enclosure is defective.

Failing Item:

- MSAA-3
-

14020504 14020504

Explanation: Blower number four in the disk enclosure is defective.

Failing Item:

- MSAA-4
-

14020505 14020505

Explanation: Blower number five in the disk enclosure is defective.

Failing Item:

- MSAA-5
-

14020506 14020506

Explanation: Blower number six in the disk enclosure is defective.

Failing Item:

- MSAA-6
-

14020507 14020507

Explanation: Blower number seven in the disk enclosure is defective.

Failing Item:

- MSAA-7
-

14020508 14020508

Explanation: Blower number eight in the disk enclosure is defective.

Failing Item:

- MSAA-8
-

14020509 14020509

Explanation: Blower number nine in the disk enclosure is defective.

Failing Item:

- MSAA-9
-

14020510 14020510

Explanation: Blower number ten in the disk enclosure is defective.

Failing Item:

- MSAA-10
-

14020511 14020511

Explanation: Blower number eleven in the disk enclosure is defective.

Failing Item:

- MSAA-11
-

14020512 14020512

Explanation: Blower number twelve in the disk enclosure is defective.

Failing Item:

- MSAA-12
-

14020551 14020551

Explanation: An error has been detected on port card one.

Failing Item:

- PORTCARD1
-

14020552 • 1402055C

14020552 14020552

Explanation: An error has been detected on port card one.

Failing Item:

- PORTCARD1
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

14020553 14020553

Explanation: An error has been detected on port card one.

Failing Item:

- PORTCARD1
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020554 14020554

Explanation: An error has been detected on port card two.

Failing Item:

- PORTCARD2

14020555 14020555

Explanation: An error has been detected on port card two.

Failing Item:

- PORTCARD2
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

14020556 14020556

Explanation: An error has been detected on port card two.

Failing Item:

- PORTCARD2
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020557 14020557

Explanation: An error has been detected on port card three.

Failing Item:

- PORTCARD3

14020558 14020558

Explanation: An error has been detected on port card three.

Failing Item:

- PORTCARD3
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

14020559 14020559

Explanation: An error has been detected on port card three.

Failing Item:

- PORTCARD3
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

1402055A 1402055A

Explanation: An error has been detected on port card four.

Failing Item:

- PORTCARD4

1402055B 1402055B

Explanation: An error has been detected on port card four.

Failing Item:

- PORTCARD4
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

1402055C 1402055C

Explanation: An error has been detected on port card four.

Failing Item:

- PORTCARD4
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

1402055D **1402055D**

Explanation: An error has been detected on port card five.

Failing Item:

- PORTCARD5
-

1402055E **1402055E**

Explanation: An error has been detected on port card five.

Failing Item:

- PORTCARD5
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
-

1402055F **1402055F**

Explanation: An error has been detected on port card five.

Failing Item:

- PORTCARD5
 - IO_DCA-02
 - IO_DCA-01
 - MIDPLANE
-

14020560 **14020560**

Explanation: An error has been detected on port card six.

Failing Item:

- PORTCARD6
-

14020561 **14020561**

Explanation: An error has been detected on port card six.

Failing Item:

- PORTCARD6
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
-

14020562 **14020562**

Explanation: An error has been detected on port card six.

Failing Item:

- PORTCARD6
- IO_DCA-02
- IO_DCA-01

- MIDPLANE
-

14020563 **14020563**

Explanation: An error has been detected on port card seven.

Failing Item:

- PORTCARD7
-

14020564 **14020564**

Explanation: An error has been detected on port card seven.

Failing Item:

- PORTCARD7
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
-

14020565 **14020565**

Explanation: An error has been detected on port card seven.

Failing Item:

- PORTCARD7
 - IO_DCA-02
 - IO_DCA-01
 - MIDPLANE
-

14020566 **14020566**

Explanation: An error has been detected on port card eight.

Failing Item:

- PORTCARD8
-

14020567 **14020567**

Explanation: An error has been detected on port card eight.

Failing Item:

- PORTCARD8
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
-

14020568 **14020568**

Explanation: An error has been detected on port card eight.

Failing Item:

- PORTCARD8
- IO_DCA-02

14020569 • 14020574

- IO_DCA-01
- MIDPLANE

14020569 14020569

Explanation: An error has been detected on port card nine.

Failing Item:

- PORTCARD9

1402056A 1402056A

Explanation: An error has been detected on port card nine.

Failing Item:

- PORTCARD9
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

1402056B 1402056B

Explanation: An error has been detected on port card nine.

Failing Item:

- PORTCARD9
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

1402056C 1402056C

Explanation: An error has been detected on port card ten.

Failing Item:

- PORTCARD10

1402056D 1402056D

Explanation: An error has been detected on port card ten.

Failing Item:

- PORTCARD10
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

1402056E 1402056E

Explanation: An error has been detected on port card ten.

Failing Item:

- PORTCARD10

- IO_DCA-02
- IO_DCA-01
- MIDPLANE

1402056F 1402056F

Explanation: An error has been detected on port card eleven.

Failing Item:

- PORTCARD11

14020570 14020570

Explanation: An error has been detected on port card eleven.

Failing Item:

- PORTCARD11
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

14020571 14020571

Explanation: An error has been detected on port card eleven.

Failing Item:

- PORTCARD11
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020572 14020572

Explanation: An error has been detected on port card twelve.

Failing Item:

- PORTCARD12

14020573 14020573

Explanation: An error has been detected on port card twelve.

Failing Item:

- PORTCARD12
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

14020574 14020574

Explanation: An error has been detected on port card twelve.

Failing Item:

- PORTCARD12
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020575 14020575

Explanation: An error has been detected on port card thirteen.

Failing Item:

- PORTCARD13

14020576 14020576

Explanation: An error has been detected on port card thirteen.

Failing Item:

- PORTCARD13
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

14020577 14020577

Explanation: An error has been detected on port card thirteen.

Failing Item:

- PORTCARD13
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020578 14020578

Explanation: An error has been detected on port card fourteen.

Failing Item:

- PORTCARD14

14020579 14020579

Explanation: An error has been detected on port card fourteen.

Failing Item:

- PORTCARD14
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

1402057A 1402057A

Explanation: An error has been detected on port card fourteen.

Failing Item:

- PORTCARD14
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

1402057B 1402057B

Explanation: An error has been detected on port card fifteen.

Failing Item:

- PORTCARD15

1402057C 1402057C

Explanation: An error has been detected on port card fifteen.

Failing Item:

- PORTCARD15
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

1402057D 1402057D

Explanation: An error has been detected on port card fifteen.

Failing Item:

- PORTCARD15
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

1402057E 1402057E

Explanation: An error has been detected on port card sixteen.

Failing Item:

- PORTCARD16

1402057F 1402057F

Explanation: An error has been detected on port card sixteen.

Failing Item:

- PORTCARD16
- IO_DCA-01
- IO_DCA-02

14020580 • 14020768

- MIDPLANE

14020580 14020580

Explanation: An error has been detected on port card sixteen.

Failing Item:

- PORTCARD16
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020760 14020760

Explanation: Disk enclosure Air Moving Device number one is defective.

Failing Item:

- MSAA-1
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

14020761 14020761

Explanation: Disk enclosure Air Moving Device number two is defective.

Failing Item:

- MSAA-2
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

14020762 14020762

Explanation: Disk enclosure Air Moving Device number three is defective.

Failing Item:

- MSAA-3
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

14020763 14020763

Explanation: Disk enclosure Air Moving Device number four is defective.

Failing Item:

- MSAA-4
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

14020764 14020764

Explanation: Disk enclosure Air Moving Device number five is defective.

Failing Item:

- MSAA-5
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

14020765 14020765

Explanation: Disk enclosure Air Moving Device number six is defective.

Failing Item:

- MSAA-6
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

14020766 14020766

Explanation: Disk enclosure Air Moving Device number seven is defective.

Failing Item:

- MSAA-7
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

14020767 14020767

Explanation: Disk enclosure Air Moving Device number eight is defective.

Failing Item:

- MSAA-8
- IO_DCA-01
- IO_DCA-02
- MIDPLANE

14020768 14020768

Explanation: Disk enclosure Air Moving Device number nine is defective.

Failing Item:

- MSAA-9
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
-

14020769 **14020769**

Explanation: Disk enclosure Air Moving Device number ten is defective.

Failing Item:

- MSAA-10
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
-

14020770 **14020770**

Explanation: Disk enclosure Air Moving Device number eleven is defective.

Failing Item:

- MSAA-11
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
-

14020771 **14020771**

Explanation: Disk enclosure Air Moving Device number twelve is defective.

Failing Item:

- MSAA-12
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
-

14020777 **14020777**

Explanation: This SRC is used to collect data or logs and does not indicate an error or hardware problem. Data will be sent to next level of support.

14020960 **14020960**

Explanation: Disk enclosure Air Moving Device number one is defective.

Failing Item:

- MSAA-1
 - IO_DCA-02
 - IO_DCA-01
 - MIDPLANE
-

14020961 **14020961**

Explanation: Disk enclosure Air Moving Device number two is defective.

Failing Item:

- MSAA-2
- IO_DCA-02

- IO_DCA-01
 - MIDPLANE
-

14020962 **14020962**

Explanation: Disk enclosure Air Moving Device number three is defective.

Failing Item:

- MSAA-3
 - IO_DCA-02
 - IO_DCA-01
 - MIDPLANE
-

14020963 **14020963**

Explanation: Disk enclosure Air Moving Device number four is defective.

Failing Item:

- MSAA-4
 - IO_DCA-02
 - IO_DCA-01
 - MIDPLANE
-

14020964 **14020964**

Explanation: Disk enclosure Air Moving Device number five is defective.

Failing Item:

- MSAA-5
 - IO_DCA-02
 - IO_DCA-01
 - MIDPLANE
-

14020965 **14020965**

Explanation: Disk enclosure Air Moving Device number six is defective.

Failing Item:

- MSAA-6
 - IO_DCA-02
 - IO_DCA-01
 - MIDPLANE
-

14020966 **14020966**

Explanation: Disk enclosure Air Moving Device number seven is defective.

Failing Item:

- MSAA-7
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020967 • 14021308

14020967 14020967

Explanation: Disk enclosure Air Moving Device number eight is defective.

Failing Item:

- MSAA-8
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020968 14020968

Explanation: Disk enclosure Air Moving Device number nine is defective.

Failing Item:

- MSAA-9
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020969 14020969

Explanation: Disk enclosure Air Moving Device number ten is defective.

Failing Item:

- MSAA-10
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020970 14020970

Explanation: Disk enclosure Air Moving Device number eleven is defective.

Failing Item:

- MSAA-11
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020971 14020971

Explanation: Disk enclosure Air Moving Device number twelve is defective.

Failing Item:

- MSAA-12
- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14020FFF 14020FFF

Explanation: Water cooling to an enclosure (drawer/cage) has returned to normal. Next level of support should be notified of potential problem.

Failing Item:

- CAGE1

14021081 14021081

Explanation: The VPD in CEC main storage can not be accessed or has a problem that is preventing the CEC from powering on.

Failing Item:

- FRUVPDMEMORY

14021082 14021082

Explanation: VPD resolution failure in the cage or drawer.

Failing Item:

- FRUVPDBUS

14021301 14021301

Explanation: The DASD backplane is defective.

14021302 14021302

Explanation: The IO planar is defective.

14021304 14021304

Explanation: This is a defective DASD on Backplane one.

14021305 14021305

Explanation: This is a defective DASD on Backplane two.

14021306 14021306

Explanation: This is a defective DASD on Backplane three.

14021307 14021307

Explanation: This is a defective DASD on Backplane four.

14021308 14021308

Explanation: This is a switch riser card.

14021309 **14021309**

Explanation: This is a switch PLANAR card.

1402130A **1402130A**

Explanation: An error has been detected on the TRES planar one.

Failing Item:

- PLANAR1
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
-

1402130B **1402130B**

Explanation: An error has been detected on the TRES planar two.

Failing Item:

- PLANAR2
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
-

1402130C **1402130C**

Explanation: An error has been detected on the TRES planar one.

Failing Item:

- PLANAR1
 - IO_DCA-02
 - IO_DCA-01
 - MIDPLANE
-

1402130D **1402130D**

Explanation: An error has been detected on the TRES planar two.

Failing Item:

- PLANAR2
 - IO_DCA-02
 - IO_DCA-01
 - MIDPLANE
-

1402130E **1402130E**

Explanation: An error has been detected on the conduit card.

Failing Item:

- CONDUIT
-

1402130F **1402130F**

Explanation: An error has been detected on the conduit card.

Failing Item:

- CONDUIT
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
-

14021310 **14021310**

Explanation: An error has been detected on the conduit card.

Failing Item:

- CONDUIT
 - IO_DCA-02
 - IO_DCA-01
 - MIDPLANE
-

14021311 **14021311**

Explanation: An error has been detected on the DASD backplane.

Failing Item:

- DASDBACKPLANE
-

14021312 **14021312**

Explanation: An error has been detected on the DASD backplane.

Failing Item:

- DASDBACKPLANE
 - IO_DCA-01
 - IO_DCA-02
 - MIDPLANE
 - CONDUIT
-

14021313 **14021313**

Explanation: An error has been detected on the DASD backplane.

Failing Item:

- DASDBACKPLANE
 - IO_DCA-02
 - IO_DCA-01
 - MIDPLANE
 - CONDUIT
-

14021314 • 1402131D

14021314 14021314

Explanation: An error has been detected on port card one.

Failing Item:

- PORTCARD1

14021315 14021315

Explanation: An error has been detected on port card one.

Failing Item:

- PORTCARD1
- IO_DCA-01
- IO_DCA-02
- MIDPLANE
- CONDUIT
- DASDBACKPLANE

14021316 14021316

Explanation: An error has been detected on port card one.

Failing Item:

- PORTCARD1
- IO_DCA-02
- IO_DCA-01
- MIDPLANE
- CONDUIT
- DASDBACKPLANE

14021317 14021317

Explanation: An error has been detected on port card two.

Failing Item:

- PORTCARD2

14021318 14021318

Explanation: An error has been detected on port card two.

Failing Item:

- PORTCARD2
- IO_DCA-01
- IO_DCA-02
- MIDPLANE
- CONDUIT
- DASDBACKPLANE

14021319 14021319

Explanation: An error has been detected on port card two.

Failing Item:

- PORTCARD2
- IO_DCA-02
- IO_DCA-01
- MIDPLANE
- CONDUIT
- DASDBACKPLANE

1402131A 1402131A

Explanation: An error has been detected on port card three.

Failing Item:

- PORTCARD3

1402131B 1402131B

Explanation: An error has been detected on port card three.

Failing Item:

- PORTCARD3
- IO_DCA-01
- IO_DCA-02
- MIDPLANE
- CONDUIT
- DASDBACKPLANE

1402131C 1402131C

Explanation: An error has been detected on the port card three.

Failing Item:

- PORTCARD3
- IO_DCA-02
- IO_DCA-01
- MIDPLANE
- CONDUIT
- DASDBACKPLANE

1402131D 1402131D

Explanation: An error has been detected on port card four.

Failing Item:

- PORTCARD4
-

1402131E 1402131E

Explanation: An error has been detected on port card four.

Failing Item:

- PORTCARD4
- IO_DCA-01
- IO_DCA-02
- MIDPLANE
- CONDUIT
- DASDBACKPLANE

1402131F 1402131F

Explanation: An error has been detected on port card four.

Failing Item:

- PORTCARD4
- IO_DCA-02
- IO_DCA-01
- MIDPLANE
- CONDUIT
- DASDBACKPLANE

14022043 14022043

Explanation: Bulk power fan one is defective in BPA-A.

Failing Item:

- BPF-A1
- BPC-A

14022044 14022044

Explanation: Bulk power fan two is defective in BPA-A.

Failing Item:

- BPF-A2
- BPC-A

14022045 14022045

Explanation: Bulk power fan Three is defective in BPA-A.

Failing Item:

- BPF-A3
- BPC-A

14022046 14022046

Explanation: Bulk power fan four is defective in BPA-A.

Failing Item:

- BPF-A4
- BPC-A

14022047 14022047

Explanation: Bulk power fan one is defective in BPA-B.

Failing Item:

- BPF-B1
- BPC-B

14022048 14022048

Explanation: Bulk power fan two is defective in BPA-B.

Failing Item:

- BPF-B2
- BPC-B

14022049 14022049

Explanation: Bulk power fan Three is defective in BPA-B.

Failing Item:

- BPF-B3
- BPC-B

14022050 14022050

Explanation: Bulk power fan four is defective in BPA-B.

Failing Item:

- BPF-B4
- BPC-B

14022051 14022051

Explanation: DCA number one is defective.

Failing Item:

- IO_DCA-01

14022052 14022052

Explanation: DCA number two is defective.

Failing Item:

- IO_DCA-02

14022054 • 1402205F

14022054 14022054

Explanation: The bulk power fan is defective in BPA-A.

Failing Item:

- BPF-A
- BPC-A

14022055 14022055

Explanation: The bulk power fan is defective in BPA-B.

Failing Item:

- BPF-B
- BPC-B

14022056 14022056

Explanation: A local I2C failure has been detected on DCA1

Failing Item:

- IO_DCA-01
- IO_DCA-02
- MIDPLANE

14022057 14022057

Explanation: A local I2C failure has been detected on DCA2

Failing Item:

- IO_DCA-02
- IO_DCA-01
- MIDPLANE

14022058 14022058

Explanation: A Plug ID error has been detected on DCA1

Failing Item:

- IO_DCA-01
- MIDPLANE

14022059 14022059

Explanation: A Plug ID error has been detected on DCA2

Failing Item:

- IO_DCA-02
- MIDPLANE

1402205A 1402205A

Explanation: A defective TRES midplane has been detected.

Failing Item:

- MIDPLANE

1402205B 1402205B

Explanation: A defective TRES midplane has been detected.

Failing Item:

- MIDPLANE
- IO_DCA-01
- IO_DCA-02

1402205C 1402205C

Explanation: A defective TRES midplane has been detected.

Failing Item:

- MIDPLANE
- IO_DCA-01
- IO_DCA-02

1402205D 1402205D

Explanation: A defective disk enclosure midplane has been detected.

Failing Item:

- MIDPLANE

1402205E 1402205E

Explanation: A defective disk enclosure midplane has been detected.

Failing Item:

- MIDPLANE
- IO_DCA-01
- IO_DCA-02

1402205F 1402205F

Explanation: A defective disk enclosure midplane has been detected.

Failing Item:

- MIDPLANE
 - IO_DCA-02
 - IO_DCA-01
-

14022069 **14022069**

Explanation: All DCAs reported 'No airflow in cage' - Make sure that there are no blocked or dirty air inlet or filters. Verify that all unused logic positions are filled with filler books and that all 'circulation flaps' inside affected Air Moving Enclosure are not blocked.

14022081 **14022081**

Explanation: Input power to BPA A has been lost or partially lost.

Failing Item:

- BPR-1A
- BPR-2A
- BPR-3A
- BPR-4A
- CBL-PWRC-BPE-A1-PWR
- BPC-A
- BPE-BOARD-A

14022082 **14022082**

Explanation: The input power to BPA B has been lost or partially lost.

Failing Item:

- BPR-1B
- BPR-2B
- BPR-3B
- BPR-4B
- CBL-PWRC-BPE-B1-PWR
- BPC-B
- BPE-BOARD-B

140220B9 **140220B9**

Explanation: The EPO panel or the cable between both BPCs and EPO panel is defective.

Failing Item:

- EPO-SWITCH
- CBL-BPCA-EPO
- CBL-BPCB-EPO
- BPC-A
- BPC-B

140220C1 **140220C1**

Explanation: The UEPO switch on the BPC A-side is defective or in the BYPASS position. Switch to the NORMAL position.

Failing Item:

- BPC-A

140220C2 **140220C2**

Explanation: The BPC on the A-side has detected an open UEPO loop.

Failing Item:

- EPO-SWITCH
- BPC-A
- BPR-1A
- BPR-2A
- BPR-3A
- CBL-BPCA-EPO
- BPE-BOARD-A

140221AB **140221AB**

Explanation: A communication fault between BPC A and the load on port J10 (B) has been detected.

Failing Item:

- BPCA-PORT-10-B

140221AC **140221AC**

Explanation: A communication fault between BPC A and the load on port J10 (C) has been detected.

Failing Item:

- BPCA-PORT-10-C

140221B9 **140221B9**

Explanation: The EPO panel or the cable between both BPCs and EPO panel is defective.

Failing Item:

- EPO-SWITCH
- CBL-BPCHA-EPO
- CBL-BPCHB-EPO
- BPCH-A
- BPCH-B

140221BB **140221BB**

Explanation: A communication fault between BPC A and the load on port J11 (B) has been detected.

Failing Item:

- BPCA-PORT-11-B

140221BC **140221BC**

Explanation: A communication fault between BPC A and the load on port J11 (C) has been detected.

Failing Item:

- BPCA-PORT-11-C

140221C1 • 1402228A

140221C1 140221C1

Explanation: The UEPO switch on the BPC B-side is defective or in the BYPASS position. Switch to the NORMAL position.

Failing Item:

- BPC-B

140221C2 140221C2

Explanation: The BPC on the B-side has detected an open UEPO loop.

Failing Item:

- EPO-SWITCH
- BPC-B
- BPR-1B
- BPR-2B
- BPR-3B
- CBL-BPCB-EPO
- BPE-BOARD-B

1402221A 1402221A

Explanation: A communication fault between the BPD 1A and the load on port J01 (A) has been detected.

Failing Item:

- BPD1A-PORT-01-A

1402222A 1402222A

Explanation: A communication fault between the BPD 1A and the load on port J02 (A) has been detected.

Failing Item:

- BPD1A-PORT-02-A

1402223A 1402223A

Explanation: A communication fault between the BPD 1A and the load on port J03 (A) has been detected.

Failing Item:

- BPD1A-PORT-03-A

1402224A 1402224A

Explanation: A communication fault between the BPD 1A and the load on port J04 (A) has been detected.

Failing Item:

- BPD1A-PORT-04-A

14022251 14022251

Explanation: DCA number one is defective.

Failing Item:

- P2_CEC_DCA-01

14022252 14022252

Explanation: DCA number two is defective.

Failing Item:

- P2-CEC-DCA_02

1402225A 1402225A

Explanation: A communication fault between the BPD 1A and the load on port J05 (A) has been detected.

Failing Item:

- BPD1A-PORT-05-A

1402226A 1402226A

Explanation: A communication fault between the BPD 1A and the load on port J06 (A) has been detected.

Failing Item:

- BPD1A-PORT-06-A

1402227A 1402227A

Explanation: A communication fault between the BPD 1A and the load on port J07 (A) has been detected.

Failing Item:

- BPD1A-PORT-07-A

1402227B 1402227B

Explanation: A communication fault between the BPD 1A and the load on port J07 (B) has been detected.

Failing Item:

- BPD1A-PORT-07-B

1402227C 1402227C

Explanation: A communication fault between the BPD 1A and the load on port J07 (C) has been detected.

Failing Item:

- BPD1A-PORT-07-C

1402228A 1402228A

Explanation: A communication fault between the BPD 1A and the load on port J08 (A) has been detected.

Failing Item:

- BPD1A-PORT-08-A

1402228B **1402228B**

Explanation: A communication fault between the BPD 1A and the load on port J08 (B) has been detected.

Failing Item:

- BPD1A-PORT-08-B
-

1402228C **1402228C**

Explanation: A communication fault between the BPD 1A and the load on port J08 (C) has been detected.

Failing Item:

- BPD1A-PORT-08-C
-

1402229A **1402229A**

Explanation: A communication fault between the BPD 1A and the load on port J09 (A) has been detected.

Failing Item:

- BPD1A-PORT-09-A
-

1402229B **1402229B**

Explanation: A communication fault between the BPD 1A and the load on port J09 (B) has been detected.

Failing Item:

- BPD1A-PORT-09-B
-

1402229C **1402229C**

Explanation: A communication fault between the BPD 1A and the load on port J09 (C) has been detected.

Failing Item:

- BPD1A-PORT-09-C
-

140222AA **140222AA**

Explanation: A communication fault between the BPD 1A and the load on port J10 (A) has been detected.

Failing Item:

- BPD1A-PORT-10-A
-

140222AB **140222AB**

Explanation: A communication fault between the BPD 1A and the load on port J10 (B) has been detected.

Failing Item:

- BPD1A-PORT-10-B
-

140222AC **140222AC**

Explanation: A communication fault between the BPD 1A and the load on port J10 (C) has been detected.

Failing Item:

- BPD1A-PORT-10-C
-

140222C1 **140222C1**

Explanation: The UEPO switch on the BPCH A-side is defective or in the BYPASS position. Switch to the NORMAL position.

Failing Item:

- BPCH-A
-

140222C2 **140222C2**

Explanation: The BPCH on the A-side has detected an open UEPO loop.

Failing Item:

- EPO-SWITCH
 - BPCH-A
 - BPR-1A
 - BPR-2A
 - BPR-3A
 - CBL-BPCHA-EPO
 - BPE-BOARD-A
-

14022301 **14022301**

Explanation: Water cooling system one has failed to adequately cool.

Failing Item:

- MDAW-1
 - MWU-1
-

14022302 **14022302**

Explanation: Water cooling system two has failed to adequately cool.

Failing Item:

- MDAW-2
 - MWU-2
-

14022303 **14022303**

Explanation: A problem with water supply has been detected on water cooling system one.

Failing Item:

- MDAW-1
 - MWU-1
-

14022304 **14022304**

Explanation: A problem with water supply has been detected on water cooling system two.

Failing Item:

- MDAW-2

14022305 • 14022314

- MWU-2

14022305 14022305

Explanation: A leak has been detected on water cooling system one.

Failing Item:

- MWU-1
- MDAW-1

14022306 14022306

Explanation: A leak has been detected on water cooling system two.

Failing Item:

- MWU-2
- MDAW-2

14022309 14022309

Explanation: A Problem has been detected on the fill and drain tool.

Failing Item:

- MDA-FD-A
- FDT-A

1402230A 1402230A

Explanation: A Problem has been detected on the fill and drain tool.

Failing Item:

- MDA-FD-B
- FDT-B

1402230B 1402230B

Explanation: A Problem has been detected on the fill and drain tool.

Failing Item:

- FDT-A

1402230C 1402230C

Explanation: A Problem has been detected on the fill and drain tool.

Failing Item:

- FDT-B

1402230D 1402230D

Explanation: A Problem has been detected on the fill and drain tool.

Failing Item:

- MDA-FD-A

1402230E 1402230E

Explanation: A Problem has been detected on the fill and drain tool.

Failing Item:

- MDA-FD-B

1402230F 1402230F

Explanation: Water cooling system three has failed to adequately cool.

Failing Item:

- MDAW-3
- MWU-3

14022310 14022310

Explanation: Water cooling system four has failed to adequately cool.

Failing Item:

- MDAW-4
- MWU-4

14022311 14022311

Explanation: A problem with water supply has been detected on water cooling system three.

Failing Item:

- MDAW-3
- MWU-3

14022312 14022312

Explanation: A problem with water supply has been detected on water cooling system four.

Failing Item:

- MDAW-4
- MWU-4

14022313 14022313

Explanation: A leak has been detected on water cooling system three.

Failing Item:

- MWU-3
- MDAW-3

14022314 14022314

Explanation: A leak has been detected on water cooling system four.

Failing Item:

- MWU-4

- MDAW-4

1402231A 1402231A

Explanation: A communication fault between the BPD 2A and the load on port J01 (A) has been detected.

Failing Item:

- BPD2A-PORT-01-A

1402232A 1402232A

Explanation: A communication fault between the BPD 2A and the load on port J02 (A) has been detected.

Failing Item:

- BPD2A-PORT-02-A

1402233A 1402233A

Explanation: A communication fault between the BPD 2A and the load on port J03 (A) has been detected.

Failing Item:

- BPD2A-PORT-03-A

1402234A 1402234A

Explanation: A communication fault between the BPD 2A and the load on port J04 (A) has been detected.

Failing Item:

- BPD2A-PORT-04-A

14022351 14022351

Explanation: DCA number one is defective.

Failing Item:

- P3_CEC_DCA-01

14022352 14022352

Explanation: DCA number two is defective.

Failing Item:

- P3-CEC-DCA_02

1402235A 1402235A

Explanation: A communication fault between the BPD 2A and the load on port J05 (A) has been detected.

Failing Item:

- BPD2A-PORT-05-A

1402236A 1402236A

Explanation: A communication fault between the BPD 2A and the load on port J06 (A) has been detected.

Failing Item:

- BPD2A-PORT-06-A

1402237A 1402237A

Explanation: A communication fault between the BPD 2A and the load on port J07 (A) has been detected.

Failing Item:

- BPD2A-PORT-07-A

1402237B 1402237B

Explanation: A communication fault between the BPD 2A and the load on port J07 (B) has been detected.

Failing Item:

- BPD2A-PORT-07-B

1402237C 1402237C

Explanation: A communication fault between the BPD 2A and the load on port J07 (C) has been detected.

Failing Item:

- BPD2A-PORT-07-C

1402238A 1402238A

Explanation: A communication fault between the BPD 2A and the load on port J08 (A) has been detected.

Failing Item:

- BPD2A-PORT-08-A

1402238B 1402238B

Explanation: A communication fault between the BPD 2A and the load on port J08 (B) has been detected.

Failing Item:

- BPD2A-PORT-08-B

1402238C 1402238C

Explanation: A communication fault between the BPD 2A and the load on port J08 (C) has been detected.

Failing Item:

- BPD2A-PORT-08-C

1402239A 1402239A

Explanation: A communication fault between the BPD 2A and the load on port J09 (A) has been detected.

Failing Item:

- BPD2A-PORT-09-A

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1402239B 1402239B

Explanation: A communication fault between the BPD 2A and the load on port J09 (B) has been detected.

Failing Item:

- BPD2A-PORT-09-B

1402239C 1402239C

Explanation: A communication fault between the BPD 2A and the load on port J09 (C) has been detected.

Failing Item:

- BPD2A-PORT-09-C

140223AA 140223AA

Explanation: A communication fault between the BPD 2A and the load on port J10 (A) has been detected.

Failing Item:

- BPD2A-PORT-10-A

140223AB 140223AB

Explanation: A communication fault between the BPD 2A and the load on port J10 (B) has been detected.

Failing Item:

- BPD2A-PORT-10-B

140223AC 140223AC

Explanation: A communication fault between the BPD 2A and the load on port J10 (C) has been detected.

Failing Item:

- BPD2A-PORT-10-C

140223C1 140223C1

Explanation: The UEPO switch on the BPCH B-side is defective or in the BYPASS position. Switch to the NORMAL position.

Failing Item:

- BPCH-B

140223C2 140223C2

Explanation: The BPCH on the B-side has detected an open UEPO loop.

Failing Item:

- EPO-SWITCH
- BPCH-B
- BPR-1B
- BPR-2B
- BPR-3B

- CBL-BPCHB-EPO
- BPE-BOARD-B

1402241A 1402241A

Explanation: A communication fault between the BPD 3A and the load on port J01 (A) has been detected.

Failing Item:

- BPD3A-PORT-01-A

1402242A 1402242A

Explanation: A communication fault between the BPD 3A and the load on port J02 (A) has been detected.

Failing Item:

- BPD3A-PORT-02-A

1402243A 1402243A

Explanation: A communication fault between the BPD 3A and the load on port J03 (A) has been detected.

Failing Item:

- BPD3A-PORT-03-A

1402244A 1402244A

Explanation: A communication fault between the BPD 3A and the load on port J04 (A) has been detected.

Failing Item:

- BPD3A-PORT-04-A

14022451 14022451

Explanation: DCA number one is defective.

Failing Item:

- P4_CEC_DCA-01

14022452 14022452

Explanation: DCA number two is defective.

Failing Item:

- P4_CEC_DCA-02

14022551 14022551

Explanation: DCA number one is defective.

Failing Item:

- P5_CEC_DCA-01
-

14022552 14022552

Explanation: DCA number two is defective.

Failing Item:

- P5_CEC_DCA-02
-

14022651 14022651

Explanation: DCA number one is defective.

Failing Item:

- P6_CEC_DCA-01
-

14022652 14022652

Explanation: DCA number two is defective.

Failing Item:

- P6_CEC_DCA-02
-

14022751 14022751

Explanation: DCA number one is defective.

Failing Item:

- P7_CEC_DCA-01
-

14022752 14022752

Explanation: DCA number two is defective.

Failing Item:

- P7_CEC_DCA-02
-

14022851 14022851

Explanation: DCA number one is defective.

Failing Item:

- P8_CEC_DCA-01
-

14022852 14022852

Explanation: DCA number two is defective.

Failing Item:

- P8_CEC_DCA-02
-

14022951 14022951

Explanation: DCA number one is defective.

Failing Item:

- P9_CEC_DCA-01
-

14022952 14022952

Explanation: DCA number two is defective.

Failing Item:

- P9_CEC_DCA-02
-

14022A01 14022A01

Explanation: A communication fault between (BPA-A) BPC and (BPA-B) BPC.

Failing Item:

- BPCA-PORT-01
-

14022A02 14022A02

Explanation: A communication fault between the BPC (BPA-A) and BPD 1A has been detected.

Failing Item:

- BPD-1A
 - BPC-A
 - BPE-BOARD-A
-

14022A03 14022A03

Explanation: A communication fault between the BPC (BPA-A) and BPD 2A has been detected.

Failing Item:

- BPD-2A
 - BPC-A
 - BPE-BOARD-A
-

14022A04 14022A04

Explanation: A communication fault between the BPC (BPA-A) and BPD 3A has been detected.

Failing Item:

- BPD-3A
 - BPC-A
 - BPE-BOARD-A
-

14022A05 14022A05

Explanation: Communication error between BPC A and BPR 1A.

Failing Item:

- BPR-1A
 - BPC-A
 - BPE-BOARD-A
-

14022A06 14022A06

Explanation: Communication error between BPC A and BPR 2A.

Failing Item:

- BPR-2A
 - BPC-A
 - BPE-BOARD-A
-

14022A07 14022A07

Explanation: Communication error between BPC A and BPR 3A.

Failing Item:

- BPR-3A
- BPC-A
- BPE-BOARD-A

14022A08 14022A08

Explanation: Communication error between BPC A and BPR 4A.

Failing Item:

- BPR-4A
- BPC-A
- BPE-BOARD-A

14022A09 14022A09

Explanation: Communication error between BPC A and BPR 5A.

Failing Item:

- BPR-5A
- BPC-A
- BPE-BOARD-A

14022A0A 14022A0A

Explanation: Communication error between BPC A and BPR 6A.

Failing Item:

- BPR-6A
- BPC-A
- BPE-BOARD-A

14022A0B 14022A0B

Explanation: Communication error between BPC A and BPH A.

Failing Item:

- BPCA-PORT-02

14022A0C 14022A0C

Explanation: Communication error between BPC A and BPH B.

Failing Item:

- BPCA-PORT-03

14022A10 14022A10

Explanation: BPA-A has reported an over-current on the 350VDC bulk.

Failing Item:

- BPR-1A
- BPD-1A
- BPC-A
- BPD-2A
- BPR-2A
- BPR-3A
- BPE-BOARD-A

14022A11 14022A11

Explanation: BPR-1A has reported an over-current on the 350VDC bulk.

Failing Item:

- BPR-1A
- BPD-1A
- BPC-A
- BPD-2A
- BPR-2A
- BPR-3A
- BPE-BOARD-A

14022A12 14022A12

Explanation: BPR-2A has reported an over-current on the 350VDC bulk.

Failing Item:

- BPR-2A
- BPD-1A
- BPC-A
- BPD-2A
- BPR-1A
- BPR-3A
- BPE-BOARD-A

14022A13 14022A13

Explanation: BPR-3A has reported an over-current on the 350VDC bulk.

Failing Item:

- BPR-3A
- BPD-1A
- BPC-A
- BPD-2A
- BPR-1A
- BPR-2A
- BPE-BOARD-A

14022A14 **14022A14**

Explanation: BPR-4A has reported an over-current on the 350VDC bulk.

Failing Item:

- BPR-4A
 - BPD-1A
 - BPC-A
 - BPD-2A
 - BPR-5A
 - BPR-6A
 - BPE-BOARD-A
-

14022A15 **14022A15**

Explanation: BPR-5A has reported an over-current on the 350VDC bulk.

Failing Item:

- BPR-5A
 - BPD-1A
 - BPC-A
 - BPD-2A
 - BPR-4A
 - BPR-6A
 - BPE-BOARD-A
-

14022A16 **14022A16**

Explanation: BPR-6A has reported an over-current on the 350VDC bulk.

Failing Item:

- BPR-6A
 - BPD-1A
 - BPC-A
 - BPD-2A
 - BPR-4A
 - BPR-5A
 - BPE-BOARD-A
-

14022A20 **14022A20**

Explanation: A BPA has reported 'No airflow in cage' - Make sure that there are no blocked or dirty air inlet or filters. Verify that all unused logic positions are filled with filler books and that the BPF on the A-side has a cover over it / BPF on B-side does not.

Failing Item:

- NOT_A_BPA_FRU
-

14022A21 **14022A21**

Explanation: BPR-1A located in BPA-A has reported an 'Over Temperature' Make sure that the Air inlets are not blocked / filler books installed in empty locations and no heat source is located near the BPR ASM.

Failing Item:

- BPR-1A
-

14022A22 **14022A22**

Explanation: BPR-2A located in BPA-A has reported an 'Over Temperature' Make sure that the Air inlets are not blocked / filler books installed in empty locations and no heat source is located near the BPR ASM.

Failing Item:

- BPR-2A
-

14022A23 **14022A23**

Explanation: BPR-3A located in BPA-A has reported an 'Over Temperature' Make sure that the Air inlets are not blocked / filler books installed in empty locations and no heat source is located near the BPR ASM.

Failing Item:

- BPR-3A
-

14022A24 **14022A24**

Explanation: BPR-4A located in BPA-A has reported an 'Over Temperature' Make sure that the Air inlets are not blocked / filler books installed in empty locations and no heat source is located near the BPR ASM.

Failing Item:

- BPR-4A
-

14022A25 **14022A25**

Explanation: BPR-5A located in BPA-A has reported an 'Over Temperature' Make sure that the Air inlets are not blocked / filler books installed in empty locations and no heat source is located near the BPR ASM.

Failing Item:

- BPR-5A
-

14022A26 **14022A26**

Explanation: BPR-6A located in BPA-A has reported an 'Over Temperature' Make sure that the Air inlets are not blocked / filler books installed in empty locations and no heat source is located near the BPR ASM.

Failing Item:

- BPR-6A
-

14022A31 **14022A31**

Explanation: BPA-A side detects that IBF-1A has dropped below a usable level. The system may power off soon. The IBF will be charged after power is restored. (IBF is connected to BPA-A BPR-1A)

Failing Item:

- IBF-1A
- BPR-1A
- BPC-A
- BPE-BOARD-A

14022A32 **14022A32**

Explanation: BPA-A side detects that IBF-2A has dropped below a usable level. The system may power off soon. The IBF will be charged after power is restored. (IBF is connected to BPA-A BPR-2A)

Failing Item:

- IBF-2A
- BPR-2A
- BPC-A
- BPE-BOARD-A

14022A41 **14022A41**

Explanation: BPA-A side detects that IBF-1A has been charged to normal capacity. The IBF is available to again to provide power. (IBF is connected to BPA-A BPR-1A)

Failing Item:

- IBF-1A

14022A42 **14022A42**

Explanation: BPA-A side detects that IBF-2A has been charged to normal capacity. The IBF is available to again to provide power. (IBF is connected to BPA-A BPR-2A)

Failing Item:

- IBF-2A

14022A51 **14022A51**

Explanation: BPC-A side detects that IBF-1A is disconnected. (IBF is connected to BPA-A BPR-1A)

Failing Item:

- BPR-1A
- IBF-1A
- CBL-IBF1A
- BPC-A
- BPE-BOARD-A

14022A52 **14022A52**

Explanation: BPC-A side detects that IBF-2A is disconnected. (IBF is connected to BPA-A BPR-2A)

Failing Item:

- BPR-2A
- IBF-2A
- CBL-IBF2A
- BPC-A
- BPE-BOARD-A

14022A85 **14022A85**

Explanation: The A-side BPC has detected that the cross feed from the B-side has failed.

Failing Item:

- BPCA-PORT-07

14022B01 **14022B01**

Explanation: A communication fault between (BPA-B) BPC and (BPA-A) BPC.

Failing Item:

- BPCB-PORT-01

14022B02 **14022B02**

Explanation: A communication fault between the BPC (BPA-B) and BPD 1B has been detected.

Failing Item:

- BPD-1B
- BPC-B
- BPE-BOARD-B

14022B03 **14022B03**

Explanation: A communication fault between the BPC (BPA-B) and BPD 2B has been detected.

Failing Item:

- BPD-2B
- BPC-B
- BPE-BOARD-B

14022B04 **14022B04**

Explanation: A communication fault between the BPC (BPA-B) and BPD 3B has been detected.

Failing Item:

- BPD-3B
 - BPC-B
 - BPE-BOARD-B
-

14022B05 **14022B05**

Explanation: Communication error between BPC B and BPR 1B.

Failing Item:

- BPR-1B
- BPC-B
- BPE-BOARD-B

14022B06 **14022B06**

Explanation: Communication error between BPC B and BPR 2B.

Failing Item:

- BPR-2B
- BPC-B
- BPE-BOARD-B

14022B07 **14022B07**

Explanation: Communication error between BPC B and BPR 3B.

Failing Item:

- BPR-3B
- BPC-B
- BPE-BOARD-B

14022B08 **14022B08**

Explanation: Communication error between BPC B and BPR 4B.

Failing Item:

- BPR-4B
- BPC-B
- BPE-BOARD-B

14022B09 **14022B09**

Explanation: Communication error between BPC B and BPR 5B.

Failing Item:

- BPR-5B
- BPC-B
- BPE-BOARD-B

14022B0A **14022B0A**

Explanation: Communication error between BPC B and BPR 6B.

Failing Item:

- BPR-6B
- BPC-B

- BPE-BOARD-B

14022B0B **14022B0B**

Explanation: Communication error between BPC B and BPH B.

Failing Item:

- BPCB-PORT-02

14022B0C **14022B0C**

Explanation: Communication error between BPC B and BPH A.

Failing Item:

- BPCB-PORT-03

14022B10 **14022B10**

Explanation: BPA-B has reported an over-current on the 350VDC bulk.

Failing Item:

- BPR-1A
- BPD-1A
- BPC-A
- BPD-2A
- BPR-2A
- BPR-3A
- BPE-BOARD-A

14022B11 **14022B11**

Explanation: BPR-1B has reported an over-current on the 350VDC bulk.

Failing Item:

- BPR-1B
- BPD-1B
- BPC-B
- BPD-2B
- BPR-2B
- BPR-3B
- BPE-BOARD-B

14022B12 **14022B12**

Explanation: BPR-2B has reported an over-current on the 350VDC bulk.

Failing Item:

- BPR-2B
- BPD-1B
- BPC-B
- BPD-2B
- BPR-1B

14022B13 • 14022B25

- BPR-3B
- BPE-BOARD-B

14022B13 14022B13

Explanation: BPR-3B has reported an over-current on the 350VDC bulk.

Failing Item:

- BPR-3B
- BPD-1B
- BPC-B
- BPD-2B
- BPR-1B
- BPR-2B
- BPE-BOARD-B

14022B14 14022B14

Explanation: BPR-4B has reported an over-current on the 350VDC bulk.

Failing Item:

- BPR-4B
- BPD-1B
- BPC-B
- BPD-2B
- BPR-5B
- BPR-6B
- BPE-BOARD-B

14022B15 14022B15

Explanation: BPR-5B has reported an over-current on the 350VDC bulk.

Failing Item:

- BPR-5B
- BPD-1B
- BPC-B
- BPD-2B
- BPR-4B
- BPR-6B
- BPE-BOARD-B

14022B16 14022B16

Explanation: BPR-6B has reported an over-current on the 350VDC bulk.

Failing Item:

- BPR-6B
- BPD-1B
- BPC-B
- BPD-2B

- BPR-4B
- BPR-5B
- BPE-BOARD-B

14022B20 14022B20

Explanation: A BPA has reported 'No airflow in cage' - Make sure that there are no blocked or dirty air inlet or filters. Verify that all unused logic positions are filled with filler books and that the BPF on the A-side has a cover over it / BPF on B-side does not.

Failing Item:

- NOT_A_BPA_FRU

14022B21 14022B21

Explanation: BPR-1B located in BPA-B has reported an 'Over Temperature' Make sure that the Air inlets are not blocked / filler books installed in empty locations and no heat source is located near the BPR ASM.

Failing Item:

- BPR-1B

14022B22 14022B22

Explanation: BPR-2B located in BPA-B has reported an 'Over Temperature' Make sure that the Air inlets are not blocked / filler books installed in empty locations and no heat source is located near the BPR ASM.

Failing Item:

- BPR-2B

14022B23 14022B23

Explanation: BPR-3B located in BPA-B has reported an 'Over Temperature' Make sure that the Air inlets are not blocked / filler books installed in empty locations and no heat source is located near the BPR ASM.

Failing Item:

- BPR-3B

14022B24 14022B24

Explanation: BPR-4B located in BPA-B has reported an 'Over Temperature' Make sure that the Air inlets are not blocked / filler books installed in empty locations and no heat source is located near the BPR ASM.

Failing Item:

- BPR-4B

14022B25 14022B25

Explanation: BPR-5B located in BPA-B has reported an 'Over Temperature' Make sure that the Air inlets are not blocked / filler books installed in empty locations and no heat source is located near the BPR ASM.

Failing Item:

- BPR-5B

14022B26 14022B26

Explanation: BPR-6B located in BPA-A has reported an 'Over Temperature' Make sure that the Air inlets are not blocked / filler books installed in empty locations and no heat source is located near the BPR ASM.

Failing Item:

- BPR-6B

14022B31 14022B31

Explanation: BPA-B side detects that IBF-1B has dropped below a usable level. The system may power off soon. The IBF will be charged after power is restored. (IBF is connected to BPA-B BPR-1B)

Failing Item:

- IBF-1B
- BPR-1B
- BPC-B
- BPE-BOARD-B

14022B32 14022B32

Explanation: BPA-B side detects that IBF-2B has dropped below a usable level. The system may power off soon. The IBF will be charged after power is restored. (IBF is connected to BPA-B BPR-2B)

Failing Item:

- IBF-2B
- BPR-2B
- BPC-B
- BPE-BOARD-B

14022B41 14022B41

Explanation: BPA-B side detects that IBF-1B has been charged to normal capacity. The IBF is available to again to provide power. (IBF is connected to BPA-B BPR-1B)

Failing Item:

- IBF-1B

14022B42 14022B42

Explanation: BPA-B side detects that IBF-2B has been charged to normal capacity. The IBF is available to again to provide power. (IBF is connected to BPA-B BPR-2B)

Failing Item:

- IBF-2B

14022B51 14022B51

Explanation: BPC-B side detects that IBF-1B is disconnected. (IBF is connected to BPA-B BPR-1B)

Failing Item:

- BPR-1B
- IBF-1B
- CBL-IBF1B
- BPC-B
- BPE-BOARD-B

14022B52 14022B52

Explanation: BPC-B side detects that IBF-2B is disconnected. (IBF is connected to BPA-B BPR-2B)

Failing Item:

- BPR-2B
- IBF-2B
- CBL-IBF2B
- BPC-B
- BPE-BOARD-B

14022B85 14022B85

Explanation: The B-side BPC has detected that the cross feed from the A-side has failed.

Failing Item:

- BPCB-PORT-07

14022C51 14022C51

Explanation: DCCA number one is defective.

Failing Item:

- IH_DCCA-01

14022C52 14022C52

Explanation: DCCA number two is defective.

Failing Item:

- IH_DCCA-02

14023000 14023000

Explanation: BPC A side has detected unmatched FRUs in the same CageID. Check P/Ns and codelevel of the Power FRUs in the cage.

14023005 14023005

Explanation: BPC A side has detected miscabling to DCA port. Correct cabling error.

14023006 • 1402327A

14023006 14023006

Explanation: BPC A side detects cabling order to a DCA different than to the other DCAs (This BPA sides view). Check and correct cable plugging.

14023007 14023007

Explanation: BPC A side detects cabling order to a MDA different than to the other MDAs (This BPA sides view). Check and correct cable plugging.

14023090 14023090

Explanation: BPC B side has detected unmatched FRUs in the same CageID. Check P/Ns and codelevel of the Power FRUs in the cage.

14023095 14023095

Explanation: BPC B side has detected miscabling to DCA port. Correct cabling error.

14023096 14023096

Explanation: BPC B side detects cabling order to a DCA different than to the other DCAs (This BPA sides view). Check and correct cable plugging.

14023097 14023097

Explanation: BPC A side detects cabling order to a MDA different than to the other MDAs (This BPA sides view). Check and correct cable plugging.

140231AB 140231AB

Explanation: A communication fault between BPC B and the load on port J10 (B) has been detected.

Failing Item:

- BPCB-PORT-10-B

140231AC 140231AC

Explanation: A communication fault between BPC B and the load on port J10 (C) has been detected.

Failing Item:

- BPCB-PORT-10-C

140231BB 140231BB

Explanation: A communication fault between BPC B and the load on port J11 (B) has been detected.

Failing Item:

- BPCB-PORT-11-B

140231BC 140231BC

Explanation: A communication fault between BPC B and the load on port J11 (C) has been detected.

Failing Item:

- BPCB-PORT-11-C

1402321A 1402321A

Explanation: A communication fault between the BPD 1B and the load on port J01 has been detected (A).

Failing Item:

- BPD1B-PORT-01-A

1402322A 1402322A

Explanation: A communication fault between the BPD 1B and the load on port J02 has been detected (A).

Failing Item:

- BPD1B-PORT-02-A

1402323A 1402323A

Explanation: A communication fault between the BPD 1B and the load on port J03 has been detected (A).

Failing Item:

- BPD1B-PORT-03-A

1402324A 1402324A

Explanation: A communication fault between the BPD 1B and the load on port J04 has been detected (A).

Failing Item:

- BPD1B-PORT-04-A

1402325A 1402325A

Explanation: A communication fault between the BPD 1B and the load on port J05 (A) has been detected.

Failing Item:

- BPD1B-PORT-05-A

1402326A 1402326A

Explanation: A communication fault between the BPD 1B and the load on port J06 (A) has been detected.

Failing Item:

- BPD1B-PORT-06-A

1402327A 1402327A

Explanation: A communication fault between the BPD 1B and the load on port J07 (A) has been detected.

Failing Item:

- BPD1B-PORT-07-A

1402327B 1402327B

Explanation: A communication fault between the BPD 1B and the load on port J07 (B) has been detected.

Failing Item:

- BPD1B-PORT-07-B

1402327C 1402327C

Explanation: A communication fault between the BPD 1B and the load on port J07 (C) has been detected.

Failing Item:

- BPD1B-PORT-07-C

1402328A 1402328A

Explanation: A communication fault between the BPD 1B and the load on port J08 (A) has been detected.

Failing Item:

- BPD1B-PORT-08-A

1402328B 1402328B

Explanation: A communication fault between the BPD 1B and the load on port J08 (B) has been detected.

Failing Item:

- BPD1B-PORT-08-B

1402328C 1402328C

Explanation: A communication fault between the BPD 1B and the load on port J08 (C) has been detected.

Failing Item:

- BPD1B-PORT-08-C

1402329A 1402329A

Explanation: A communication fault between the BPD 1B and the load on port J09 (A) has been detected.

Failing Item:

- BPD1B-PORT-09-A

1402329B 1402329B

Explanation: A communication fault between the BPD 1B and the load on port J09 (B) has been detected.

Failing Item:

- BPD1B-PORT-09-B

1402329C 1402329C

Explanation: A communication fault between the BPD 1B and the load on port J09 (C) has been detected.

Failing Item:

- BPD1B-PORT-09-C

140232AA 140232AA

Explanation: A communication fault between the BPD 1B and the load on port J10 (A) has been detected.

Failing Item:

- BPD1B-PORT-10-A

140232AB 140232AB

Explanation: A communication fault between the BPD 1B and the load on port J10 (B) has been detected.

Failing Item:

- BPD1B-PORT-10-B

140232AC 140232AC

Explanation: A communication fault between the BPD 1B and the load on port J10 (C) has been detected.

Failing Item:

- BPD1B-PORT-10-C

1402331A 1402331A

Explanation: A communication fault between the BPD 2B and the load on port J01 (A) has been detected.

Failing Item:

- BPD2B-PORT-01-A

1402332A 1402332A

Explanation: A communication fault between the BPD 2B and the load on port J02 (A) has been detected.

Failing Item:

- BPD2B-PORT-02-A

1402333A 1402333A

Explanation: A communication fault between the BPD 2B and the load on port J03 (A) has been detected.

Failing Item:

- BPD2B-PORT-03-A

1402334A 1402334A

Explanation: A communication fault between the BPD 2B and the load on port J04 (A) has been detected.

Failing Item:

1402335A • 1402342A

- BPD2B-PORT-04-A

1402335A 1402335A

Explanation: A communication fault between the BPD 2B and the load on port J05 (A) has been detected.

Failing Item:

- BPD2B-PORT-05-A

1402336A 1402336A

Explanation: A communication fault between the BPD 2B and the load on port J06 (A) has been detected.

Failing Item:

- BPD2B-PORT-06-A

1402337A 1402337A

Explanation: A communication fault between the BPD 2B and the load on port J07 (A) has been detected.

Failing Item:

- BPD2B-PORT-07-A

1402337B 1402337B

Explanation: A communication fault between the BPD 2B and the load on port J07 (B) has been detected.

Failing Item:

- BPD2B-PORT-07-B

1402337C 1402337C

Explanation: A communication fault between the BPD 2B and the load on port J07 (C) has been detected.

Failing Item:

- BPD2B-PORT-07-C

1402338A 1402338A

Explanation: A communication fault between the BPD 2B and the load on port J08 (A) has been detected.

Failing Item:

- BPD2B-PORT-08-A

1402338B 1402338B

Explanation: A communication fault between the BPD 2B and the load on port J08 (B) has been detected.

Failing Item:

- BPD2B-PORT-08-B

1402338C 1402338C

Explanation: A communication fault between the BPD 2B and the load on port J08 (C) has been detected.

Failing Item:

- BPD2B-PORT-08-C

1402339B 1402339B

Explanation: A communication fault between the BPD 2B and the load on port J09 (B) has been detected.

Failing Item:

- BPD2B-PORT-09-B

1402339C 1402339C

Explanation: A communication fault between the BPD 2B and the load on port J09 (C) has been detected.

Failing Item:

- BPD2B-PORT-09-C

140233AA 140233AA

Explanation: A communication fault between the BPD 2B and the load on port J10 (A) has been detected.

Failing Item:

- BPD2B-PORT-10-A

140233AB 140233AB

Explanation: A communication fault between the BPD 2B and the load on port J10 (B) has been detected.

Failing Item:

- BPD2B-PORT-10-B

140233AC 140233AC

Explanation: A communication fault between the BPD 2B and the load on port J10 (C) has been detected.

Failing Item:

- BPD2B-PORT-10-C

1402341A 1402341A

Explanation: A communication fault between the BPD 3B and the load on port J01 (A) has been detected.

Failing Item:

- BPD3B-PORT-01-A

1402342A 1402342A

Explanation: A communication fault between the BPD 3B and the load on port J02 (A) has been detected.

Failing Item:

- BPD3B-PORT-02-A

1402343A 1402343A

Explanation: A communication fault between the BPD 3B and the load on port J03 (A) has been detected.

Failing Item:

- BPD3B-PORT-03-A

1402344A 1402344A

Explanation: A communication fault between the BPD 3B and the load on port J04 (A) has been detected.

Failing Item:

- BPD3B-PORT-04-A

14023A01 14023A01

Explanation: Communication fault between BPCH-A and BPCH-B.

Failing Item:

- BPCHA-PORT-01

14023A02 14023A02

Explanation: A communication fault between the BPCH and BPD (BPA-A) has been detected.

Failing Item:

- BPD-1A
- BPCH-A
- BPE-BOARD-A

14023A05 14023A05

Explanation: Communication error between BPCH A and BPR 1A.

Failing Item:

- BPR-1A
- BPCH-A
- BPE-BOARD-A

14023A06 14023A06

Explanation: Communication error between BPCH A and BPR 2A.

Failing Item:

- BPR-2A
- BPCH-A
- BPE-BOARD-A

14023A07 14023A07

Explanation: Communication error between BPCH A and BPR 3A.

Failing Item:

- BPR-3A
- BPCH-A
- BPE-BOARD-A

14023A08 14023A08

Explanation: Communication error between BPCH A and BPR 4A.

Failing Item:

- BPR-4A
- BPCH-A
- BPE-BOARD-A

14023A09 14023A09

Explanation: Communication error between BPCH A and BPR 5A.

Failing Item:

- BPR-5A
- BPCH-A
- BPE-BOARD-A

14023A0A 14023A0A

Explanation: Communication error between BPCH A and BPR 6A.

Failing Item:

- BPR-6A
- BPCH-A
- BPE-BOARD-A

14023A85 14023A85

Explanation: The A-side BPCH has detected that the cross feed from the B-side has failed.

Failing Item:

- BPCHA-PORT-05

14023B01 14023B01

Explanation: Communication fault between BPCH-B and BPCH-A.

Failing Item:

- BPCHB-PORT-01

14023B02 • 14024002

14023B02 14023B02

Explanation: A communication fault between the BPCH and BPD (BPA-B) has been detected.

Failing Item:

- BPD-1B
- BPCH-B
- BPE-BOARD-B

14023B05 14023B05

Explanation: Communication error between BPCH B and BPR 1B.

Failing Item:

- BPR-1B
- BPCH-B
- BPE-BOARD-B

14023B06 14023B06

Explanation: Communication error between BPCH B and BPR 2B.

Failing Item:

- BPR-2B
- BPCH-B
- BPE-BOARD-B

14023B07 14023B07

Explanation: Communication error between BPCH B and BPR 3B.

Failing Item:

- BPR-3B
- BPCH-B
- BPE-BOARD-B

14023B08 14023B08

Explanation: Communication error between BPCH B and BPR 4B.

Failing Item:

- BPR-4B
- BPCH-B
- BPE-BOARD-B

14023B09 14023B09

Explanation: Communication error between BPCH B and BPR 5B.

Failing Item:

- BPR-5B
- BPCH-B

- BPE-BOARD-B

14023B0A 14023B0A

Explanation: Communication error between BPCH B and BPR 6B.

Failing Item:

- BPR-6B
- BPCH-B
- BPE-BOARD-B

14023B85 14023B85

Explanation: The B-side BPCH has detected that the cross feed from the A-side has failed.

Failing Item:

- BPCHB-PORT-05

14023C51 14023C51

Explanation: Communication from DCCA to DCCA is defective.

Failing Item:

- IH_DCCA-01
- IH_DCCA-02
- PX_NODE

14023C52 14023C52

Explanation: Communication from DCCA to DCCA is defective.

Failing Item:

- IH_DCCA-02
- IH_DCCA-01
- PX_NODE

14024001 14024001

Explanation: The Auto-Code-Download (ACDL) of the power subsystem encountered an error. Contact next level of support for assistance.

Failing Item:

- NOT_A_BPA_FRU

14024002 14024002

Explanation: The frame MTMS was not resolved by HMC. Contact next level of support for assistance.

Failing Item:

- NOT_A_BPA_FRU

14024003 **14024003**

Explanation: The BPC has found duplicate Mailbox IP addresses on Network A. Contact next level of support for assistance.

Failing Item:

- NOT_A_BPA_FRU
-

14024004 **14024004**

Explanation: The BPC has found duplicate Mailbox IP addresses on Network B. Contact next level of support for assistance.

Failing Item:

- NOT_A_BPA_FRU
-

14024005 **14024005**

Explanation: A DHCP address was not assigned on Network A. Contact next level of support for assistance.

Failing Item:

- NOT_A_BPA_FRU
-

14024006 **14024006**

Explanation: The Flash that is loaded on BPC A and B do not match. Contact next level of support for assistance.

Failing Item:

- NOT_A_BPA_FRU
-

14024007 **14024007**

Explanation: A Power redundancy command was run and produced this log. This is not an error and contains information that development would use to investigate system FRU redundancy problems.

Failing Item:

- NOT_A_BPA_FRU
-

140251AB **140251AB**

Explanation: An over current has been detected on 350V between BPC A and the load on its port J10 (B).

Failing Item:

- BPCA-PORT-10-B
-

140251AC **140251AC**

Explanation: An over current has been detected on 350V between BPC A and the load on its port J10 C.

Failing Item:

- BPCA-PORT-10-C

140251BB **140251BB**

Explanation: An over current has been detected on 350V between BPC A and the load on its port J11 (B).

Failing Item:

- BPCA-PORT-11-B
-

140251BC **140251BC**

Explanation: An over current has been detected on 350V between BPC A and the load on its port J11 (C).

Failing Item:

- BPCA-PORT-11-C
-

1402521A **1402521A**

Explanation: An over current has been detected on 350V between BPD 1A and the load on its port J01 (A).

Failing Item:

- BPD1A-PORT-01-A
-

1402522A **1402522A**

Explanation: An over current has been detected on 350V between BPD 1A and the load on its port J02 (A).

Failing Item:

- BPD1A-PORT-02-A
-

1402523A **1402523A**

Explanation: An over current has been detected on 350V between BPD 1A and the load on its port J03 (A).

Failing Item:

- BPD1A-PORT-03-A
-

1402524A **1402524A**

Explanation: An over current has been detected on 350V between BPD 1A and the load on its port J04 (A).

Failing Item:

- BPD1A-PORT-04-A
-

1402525A **1402525A**

Explanation: An over current has been detected on 350V between BPD 1A and the load on its port J05 (A).

Failing Item:

- BPD1A-PORT-05-A
-

1402526A **1402526A**

Explanation: An over current has been detected on 350V between BPD 1A and the load on its port J06 (A).

Failing Item:

1402527A • 1402533A

- BPD1A-PORT-06-A

1402527A 1402527A

Explanation: An over current has been detected on 350V between BPD 1A and the load on its port J07 (A).

Failing Item:

- BPD1A-PORT-07-A

1402527B 1402527B

Explanation: An over current has been detected on 350V between BPD 1A and the load on its port J07 (B).

Failing Item:

- BPD1A-PORT-07-B

1402527C 1402527C

Explanation: An over current has been detected on 350V between BPD 1A and the load on its port J07 (C).

Failing Item:

- BPD1A-PORT-07-C

1402528A 1402528A

Explanation: An over current has been detected on 350V between BPD 1A and the load on its port J08 (A).

Failing Item:

- BPD1A-PORT-08-A

1402528B 1402528B

Explanation: An over current has been detected on 350V between BPD 1A and the load on its port J08 (B).

Failing Item:

- BPD1A-PORT-08-B

1402528C 1402528C

Explanation: An over current has been detected on 350V between BPD 1A and the load on its port J08 (C).

Failing Item:

- BPD1A-PORT-08-C

1402529A 1402529A

Explanation: An over current has been detected on 350V between BPD 1A and the load on its port J09 (A).

Failing Item:

- BPD1A-PORT-09-A

1402529B 1402529B

Explanation: An over current has been detected on 350V between BPD 1A and the load on its port J09 (B).

Failing Item:

- BPD1A-PORT-09-B

1402529C 1402529C

Explanation: An over current has been detected on 350V between BPD 1A and the load on its port J09 (C).

Failing Item:

- BPD1A-PORT-09-C

140252AA 140252AA

Explanation: An over current has been detected on 350V between BPD 1A and the load on its port J10 (A).

Failing Item:

- BPD1A-PORT-10-A

140252AB 140252AB

Explanation: An over current has been detected on 350V between BPD 1A and the load on its port J10 (B).

Failing Item:

- BPD1A-PORT-10-B

140252AC 140252AC

Explanation: An over current has been detected on 350V between BPD 1A and the load on its port J10 (C).

Failing Item:

- BPD1A-PORT-10-C

1402531A 1402531A

Explanation: An over current has been detected on 350V between BPD 2A and the load on its port J01 (A).

Failing Item:

- BPD2A-PORT-01-A

1402532A 1402532A

Explanation: An over current has been detected on 350V between BPD 2A and the load on its port J02 (A).

Failing Item:

- BPD2A-PORT-02-A

1402533A 1402533A

Explanation: An over current has been detected on 350V between BPD 2A and the load on its port J03 (A).

Failing Item:

- BPD2A-PORT-03-A

1402534A 1402534A

Explanation: An over current has been detected on 350V between BPD 2A and the load on its port J04 (A).

Failing Item:

- BPD2A-PORT-04-A

1402535A 1402535A

Explanation: An over current has been detected on 350V between BPD 2A and the load on its port J05 (A).

Failing Item:

- BPD2A-PORT-05-A

1402536A 1402536A

Explanation: An over current has been detected on 350V between BPD 2A and the load on its port J06 (A).

Failing Item:

- BPD2A-PORT-06-A

1402537A 1402537A

Explanation: An over current has been detected on 350V between BPD 2A and the load on its port J07 (A).

Failing Item:

- BPD2A-PORT-07-A

1402537B 1402537B

Explanation: An over current has been detected on 350V between BPD 2A and the load on its port J07 (B).

Failing Item:

- BPD2A-PORT-07-B

1402537C 1402537C

Explanation: An over current has been detected on 350V between BPD 2A and the load on its port J07 (C).

Failing Item:

- BPD2A-PORT-07-C

1402538A 1402538A

Explanation: An over current has been detected on 350V between BPD 2A and the load on its port J08 (A).

Failing Item:

- BPD2A-PORT-08-A

1402538B 1402538B

Explanation: An over current has been detected on 350V between BPD 2A and the load on its port J08 (B).

Failing Item:

- BPD2A-PORT-08-B

1402538C 1402538C

Explanation: An over current has been detected on 350V between BPD 2A and the load on its port J08 (C).

Failing Item:

- BPD2A-PORT-08-C

1402539A 1402539A

Explanation: An over current has been detected on 350V between BPD 2A and the load on its port J09 (A).

Failing Item:

- BPD2A-PORT-09-A

1402539B 1402539B

Explanation: An over current has been detected on 350V between BPD 2A and the load on its port J09 (B).

Failing Item:

- BPD2A-PORT-09-B

1402539C 1402539C

Explanation: An over current has been detected on 350V between BPD 2A and the load on its port J09 (C).

Failing Item:

- BPD2A-PORT-09-C

140253AA 140253AA

Explanation: An over current has been detected on 350V between BPD 2A and the load on its port J10 (A).

Failing Item:

- BPD2A-PORT-10-A

140253AB 140253AB

Explanation: An over current has been detected on 350V between BPD 2A and the load on its port J10 (B).

Failing Item:

- BPD2A-PORT-10-B

140253AC 140253AC

Explanation: An over current has been detected on 350V between BPD 2A and the load on its port J10 (C).

Failing Item:

1402541A • 140261AC

- BPD2A-PORT-10-C

1402541A 1402541A

Explanation: An over current has been detected on 350V between BPD 3A and the load on its port J01 (A).

Failing Item:

- BPD3A-PORT-01-A

1402542A 1402542A

Explanation: An over current has been detected on 350V between BPD 3A and the load on its port J02 (A).

Failing Item:

- BPD3A-PORT-02-A

1402543A 1402543A

Explanation: An over current has been detected on 350V between BPD 3A and the load on its port J03 (A).

Failing Item:

- BPD3A-PORT-03-A

1402544A 1402544A

Explanation: An over current has been detected on 350V between BPD 2A and the load on its port J04 (A).

Failing Item:

- BPD3A-PORT-04-A

14026150 14026150

Explanation: The voltage on voltage level 50 has reached the warning undervoltage limit for the specified cage or drawer.

14026151 14026151

Explanation: The voltage on voltage level 51 has reached the warning undervoltage limit for the specified cage or drawer.

14026152 14026152

Explanation: The voltage on voltage level 52 has reached the warning undervoltage limit for the specified cage or drawer.

14026153 14026153

Explanation: The voltage on voltage level 53 has reached the warning undervoltage limit for the specified cage or drawer.

14026154 14026154

Explanation: The voltage on voltage level 54 has reached the warning undervoltage limit for the specified cage or drawer.

14026155 14026155

Explanation: The voltage on voltage level 55 has reached the warning undervoltage limit for the specified cage or drawer.

14026156 14026156

Explanation: The voltage on voltage level 56 has reached the warning undervoltage limit for the specified cage or drawer.

14026157 14026157

Explanation: The voltage on voltage level 57 has reached the warning undervoltage limit for the specified cage or drawer.

14026158 14026158

Explanation: The voltage on voltage level 58 has reached the warning undervoltage limit for the specified cage or drawer.

14026159 14026159

Explanation: The voltage on voltage level 59 has reached the warning undervoltage limit for the specified cage or drawer.

14026160 14026160

Explanation: The voltage on voltage level 60 has reached the warning undervoltage limit for the specified cage or drawer.

140261AB 140261AB

Explanation: An over current has been detected on 350V between BPC B and the load on its port J10 (B).

Failing Item:

- BPCB-PORT-10-B

140261AC 140261AC

Explanation: An over current has been detected on 350V between BPC B and the load on its port J10 (C).

Failing Item:

- BPCB-PORT-10-C

140261BB 140261BB

Explanation: An over current has been detected on 350V between BPC B and the load on its port J11 (B).

Failing Item:

- BPCB-PORT-11-B
-

140261BC 140261BC

Explanation: An over current has been detected on 350V between BPC B and the load on its port J11 (C).

Failing Item:

- BPCB-PORT-11-C
-

1402621A 1402621A

Explanation: An over current has been detected on 350V between BPD 1B and the load on its port J01 (A).

Failing Item:

- BPD1B-PORT-01-A
-

1402622A 1402622A

Explanation: An over current has been detected on 350V between BPD 1B and the load on its port J02 (A).

Failing Item:

- BPD1B-PORT-02-A
-

1402623A 1402623A

Explanation: An over current has been detected on 350V between BPD 1B and the load on its port J03 (A).

Failing Item:

- BPD1B-PORT-03-A
-

1402624A 1402624A

Explanation: An over current has been detected on 350V between BPD 1B and the load on its port J04 (A).

Failing Item:

- BPD1B-PORT-04-A
-

14026250 14026250

Explanation: The voltage on voltage level 50 has reached the warning over voltage limit for the specified cage or drawer.

14026251 14026251

Explanation: The voltage on voltage level 51 has reached the warning over voltage limit for the specified cage or drawer.

14026252 14026252

Explanation: The voltage on voltage level 52 has reached the warning over voltage limit for the specified cage or drawer.

14026253 14026253

Explanation: The voltage on voltage level 53 has reached the warning over voltage limit for the specified cage or drawer.

14026254 14026254

Explanation: The voltage on voltage level 54 has reached the warning over voltage limit for the specified cage or drawer.

14026255 14026255

Explanation: The voltage on voltage level 55 has reached the warning over voltage limit for the specified cage or drawer.

14026256 14026256

Explanation: The voltage on voltage level 56 has reached the warning over voltage limit for the specified cage or drawer.

14026257 14026257

Explanation: The voltage on voltage level 57 has reached the warning over voltage limit for the specified cage or drawer.

14026258 14026258

Explanation: The voltage on voltage level 58 has reached the warning over voltage limit for the specified cage or drawer.

14026259 14026259

Explanation: The voltage on voltage level 59 has reached the warning over voltage limit for the specified cage or drawer.

1402625A 1402625A

Explanation: An over current has been detected on 350V between BPD 1B and the load on its port J05 (A).

Failing Item:

- BPD1B-PORT-05-A
-

14026260 • 1402632A

14026260 14026260

Explanation: The voltage on voltage level 60 has reached the warning over voltage limit for the specified cage or drawer.

1402626A 1402626A

Explanation: An over current has been detected on 350V between BPD 1B and the load on its port J06 (A).

Failing Item:

- BPD1B-PORT-06-A

1402627A 1402627A

Explanation: An over current has been detected on 350V between BPD 1B and the load on its port J07 (A).

Failing Item:

- BPD1B-PORT-07-A

1402627B 1402627B

Explanation: An over current has been detected on 350V between BPD 1B and the load on its port J07 (B).

Failing Item:

- BPD1B-PORT-07-B

1402627C 1402627C

Explanation: An over current has been detected on 350V between BPD 1B and the load on its port J07 (C).

Failing Item:

- BPD1B-PORT-07-C

1402628A 1402628A

Explanation: An over current has been detected on 350V between BPD 1B and the load on its port J08 (A).

Failing Item:

- BPD1B-PORT-08-A

1402628B 1402628B

Explanation: An over current has been detected on 350V between BPD 1B and the load on its port J08 (B).

Failing Item:

- BPD1B-PORT-08-B

1402628C 1402628C

Explanation: An over current has been detected on 350V between BPD 1B and the load on its port J08 (C).

Failing Item:

- BPD1B-PORT-08-C

1402629A 1402629A

Explanation: An over current has been detected on 350V between BPD 1B and the load on its port J09 (A).

Failing Item:

- BPD1B-PORT-09-A

1402629B 1402629B

Explanation: An over current has been detected on 350V between BPD 1B and the load on its port J09 (B).

Failing Item:

- BPD1B-PORT-09-B

1402629C 1402629C

Explanation: An over current has been detected on 350V between BPD 1B and the load on its port J09 (C).

Failing Item:

- BPD1B-PORT-09-C

140262AA 140262AA

Explanation: An over current has been detected on 350V between BPD 1B and the load on its port J10 (A).

Failing Item:

- BPD1B-PORT-10-A

140262AB 140262AB

Explanation: An over current has been detected on 350V between BPD 1B and the load on its port J10 (B).

Failing Item:

- BPD1B-PORT-10-B

140262AC 140262AC

Explanation: An over current has been detected on 350V between BPD 1B and the load on its port J10 (C).

Failing Item:

- BPD1B-PORT-10-C

1402631A 1402631A

Explanation: An over current has been detected on 350V between BPD 2B and the load on its port J01 (A).

Failing Item:

- BPD2B-PORT-01-A

1402632A 1402632A

Explanation: An over current has been detected on 350V between BPD 2B and the load on its port J02 (A).

Failing Item:

- BPD2B-PORT-02-A

1402633A 1402633A

Explanation: An over current has been detected on 350V between BPD 2B and the load on its port J03 (A).

Failing Item:

- BPD2B-PORT-03-A
-

1402634A 1402634A

Explanation: An over current has been detected on 350V between BPD 2B and the load on its port J04 (A).

Failing Item:

- BPD2B-PORT-04-A
-

14026350 14026350

Explanation: An over current condition has been detected for voltage level 50 for the specified cage or drawer.

Failing Item:

- FRULEVEL50
-

14026351 14026351

Explanation: An over current condition has been detected for voltage level 50 for the specified cage or drawer.

Failing Item:

- FRULEVEL51
-

14026352 14026352

Explanation: An over current condition has been detected for voltage level 52 for the specified cage or drawer.

Failing Item:

- FRULEVEL52
-

14026353 14026353

Explanation: An over current condition has been detected for voltage level 53 for the specified cage or drawer.

Failing Item:

- FRULEVEL53
-

14026354 14026354

Explanation: An over current condition has been detected for voltage level 54 for the specified cage or drawer.

Failing Item:

- FRULEVEL54

14026355 14026355

Explanation: An over current condition has been detected for voltage level 55 for the specified cage or drawer.

Failing Item:

- FRULEVEL55
-

14026356 14026356

Explanation: An over current condition has been detected for voltage level 56 for the specified cage or drawer.

Failing Item:

- FRULEVEL56
-

14026357 14026357

Explanation: An over current condition has been detected for voltage level 57 for the specified cage or drawer.

Failing Item:

- FRULEVEL57
-

14026358 14026358

Explanation: An over current condition has been detected for voltage level 58 for the specified cage or drawer.

Failing Item:

- FRULEVEL58
-

14026359 14026359

Explanation: An over current condition has been detected for voltage level 59 for the specified cage or drawer.

Failing Item:

- FRULEVEL59
-

1402635A 1402635A

Explanation: An over current has been detected on 350V between BPD 2B and the load on its port J05 (A).

Failing Item:

- BPD2B-PORT-05-A
-

14026360 14026360

Explanation: An over current condition has been detected for voltage level 60 for the specified cage or drawer.

Failing Item:

- FRULEVEL60

14026361 • 1402641A

14026361 14026361

Explanation: An octant has had multiple voltage levels cause it to go critical.

Failing Item:

- OCTANT

1402636A 1402636A

Explanation: An over current has been detected on 350V between BPD 2B and the load on its port J06 (A).

Failing Item:

- BPD2B-PORT-06-A

1402637A 1402637A

Explanation: An over current has been detected on 350V between BPD 2B and the load on its port J07 (A).

Failing Item:

- BPD2B-PORT-07-A

1402637B 1402637B

Explanation: An over current has been detected on 350V between BPD 2B and the load on its port J07 (B).

Failing Item:

- BPD2B-PORT-07-B

1402637C 1402637C

Explanation: An over current has been detected on 350V between BPD 2B and the load on its port J07 (C).

Failing Item:

- BPD2B-PORT-07-C

1402638A 1402638A

Explanation: An over current has been detected on 350V between BPD 2B and the load on its port J08 (A).

Failing Item:

- BPD2B-PORT-08-A

1402638B 1402638B

Explanation: An over current has been detected on 350V between BPD 2B and the load on its port J07 (B).

Failing Item:

- BPD2B-PORT-08-B

1402638C 1402638C

Explanation: An over current has been detected on 350V between BPD 2B and the load on its port J07 (C).

Failing Item:

- BPD2B-PORT-08-C

1402639A 1402639A

Explanation: An over current has been detected on 350V between BPD 2B and the load on its port J09 (A).

Failing Item:

- BPD2B-PORT-09-A

1402639B 1402639B

Explanation: An over current has been detected on 350V between BPD 2B and the load on its port J09 (B).

Failing Item:

- BPD2B-PORT-09-B

1402639C 1402639C

Explanation: An over current has been detected on 350V between BPD 2B and the load on its port J07 (C).

Failing Item:

- BPD2B-PORT-09-C

140263AA 140263AA

Explanation: An over current has been detected on 350V between BPD 2B and the load on its port J10 (A).

Failing Item:

- BPD2B-PORT-10-A

140263AB 140263AB

Explanation: An over current has been detected on 350V between BPD 2B and the load on its port J07 (B).

Failing Item:

- BPD2B-PORT-10-B

140263AC 140263AC

Explanation: An over current has been detected on 350V between BPD 2B and the load on its port J10 (C).

Failing Item:

- BPD2B-PORT-10-C

1402641A 1402641A

Explanation: An over current has been detected on 350V between BPD 3B and the load on its port J01 (A).

Failing Item:

- BPD3B-PORT-01-A

1402642A 1402642A

Explanation: An over current has been detected on 350V between BPD 3B and the load on its port J02 (A).

Failing Item:

- BPD3B-PORT-02-A

1402643A 1402643A

Explanation: An over current has been detected on 350V between BPD 3B and the load on its port J03 (A).

Failing Item:

- BPD3B-PORT-03-A

1402644A 1402644A

Explanation: An over current has been detected on 350V between BPD 3B and the load on its port J04 (A).

Failing Item:

- BPD3B-PORT-04-A

14026450 14026450

Explanation: An over voltage condition has been detected for voltage level 50 specified cage or drawer.

Failing Item:

- FRULEVEL50

14026451 14026451

Explanation: An over voltage condition has been detected for voltage level 51 specified cage or drawer.

Failing Item:

- FRULEVEL51

14026452 14026452

Explanation: An over voltage condition has been detected for voltage level 52 specified cage or drawer.

Failing Item:

- FRULEVEL52

14026453 14026453

Explanation: An over voltage condition has been detected for voltage level 53 specified cage or drawer.

Failing Item:

- FRULEVEL53

14026454 14026454

Explanation: An over voltage condition has been detected for voltage level 54 specified cage or drawer.

Failing Item:

- FRULEVEL54

14026455 14026455

Explanation: An over voltage condition has been detected for voltage level 55 specified cage or drawer.

Failing Item:

- FRULEVEL55

14026456 14026456

Explanation: An over voltage condition has been detected for voltage level 56 specified cage or drawer.

Failing Item:

- FRULEVEL56

14026457 14026457

Explanation: An over voltage condition has been detected for voltage level 57 specified cage or drawer.

Failing Item:

- FRULEVEL57

14026458 14026458

Explanation: An over voltage condition has been detected for voltage level 58 specified cage or drawer.

Failing Item:

- FRULEVEL58

14026459 14026459

Explanation: An over voltage condition has been detected for voltage level 59 specified cage or drawer.

Failing Item:

- FRULEVEL59

14026460 14026460

Explanation: An over voltage condition has been detected for voltage level 60 specified cage or drawer.

Failing Item:

- FRULEVEL60

14027090 14027090

Explanation: The BPCH in BPA-A is defective.

Failing Item:

- BPCH-A

14027091 • 1402709B

14027091 14027091

Explanation: The BPC in BPA-A is defective.

Failing Item:

- BPC-A
-

14027092 14027092

Explanation: BPD-1 is defective in BPA-A.

Failing Item:

- BPD-1A
 - BPC-A
-

14027093 14027093

Explanation: BPD-2 is defective in BPA-A.

Failing Item:

- BPD-2A
 - BPC-A
-

14027094 14027094

Explanation: BPD-3 is defective in BPA-A.

Failing Item:

- BPD-3A
 - BPC-A
-

14027095 14027095

Explanation: BPA-A BPR-1 is defective.

Failing Item:

- BPR-1A
 - BPC-A
 - BPD-1A
 - BPD-2A
 - IBF-1A
 - BPE-BOARD-A
-

14027096 14027096

Explanation: BPA-A BPR-2 is defective.

Failing Item:

- BPR-2A
 - BPC-A
 - BPD-1A
 - BPD-2A
 - IBF-2A
 - BPE-BOARD-A
-

14027097 14027097

Explanation: BPA-A BPR-3 is defective.

Failing Item:

- BPR-3A
 - BPC-A
 - BPD-1A
 - BPD-2A
 - BPE-BOARD-A
-

14027098 14027098

Explanation: BPA-A BPR-4 is defective.

Failing Item:

- BPR-4A
 - BPC-A
 - BPD-1A
 - BPD-2A
 - BPE-BOARD-A
-

14027099 14027099

Explanation: BPA-A BPR-5 is defective.

Failing Item:

- BPR-5A
 - BPC-A
 - BPD-1A
 - BPD-2A
 - BPE-BOARD-A
-

1402709A 1402709A

Explanation: BPA-A BPR-6 is defective.

Failing Item:

- BPR-6A
 - BPC-A
 - BPD-1A
 - BPD-2A
 - BPE-BOARD-A
-

1402709B 1402709B

Explanation: BPA-A BPH is defective.

Failing Item:

- BPH-A
 - BPC-A
-

140270A1 140270A1

Explanation: BPC-A side detects that IBF-1A is defective. (IBF is connected to BPA-A BPR-1A)

Failing Item:

- IBF-1A
- BPR-1A
- CBL-IBF1A
- BPC-A
- BPE-BOARD-A

140270A2 140270A2

Explanation: BPC-A side detects that IBF-2A is defective. (IBF is connected to BPA-A BPR-2A)

Failing Item:

- IBF-2A
- BPR-2A
- CBL-IBF2A
- BPC-A
- BPE-BOARD-A

14027190 14027190

Explanation: The BPCH in BPA-B is defective.

Failing Item:

- BPCH-B

14027191 14027191

Explanation: The BPC in BPA-B is defective.

Failing Item:

- BPC-B

14027192 14027192

Explanation: BPD-1 is defective in BPA-B.

Failing Item:

- BPD-1B
- BPC-B

14027193 14027193

Explanation: BPD-2 is defective in BPA-B.

Failing Item:

- BPD-2B
- BPC-B

14027194 14027194

Explanation: BPD-3 is defective in BPA-B.

Failing Item:

- BPD-3B
- BPC-B

14027195 14027195

Explanation: BPA-B BPR-1 is defective.

Failing Item:

- BPR-1B
- BPC-B
- BPD-1B
- BPD-2B
- IBF-1B
- BPE-BOARD-B

14027196 14027196

Explanation: BPA-B BPR-2 is defective.

Failing Item:

- BPR-2B
- BPC-B
- BPD-1B
- BPD-2B
- IBF-2B
- BPE-BOARD-B

14027197 14027197

Explanation: BPA-B BPR-3 is defective.

Failing Item:

- BPR-3B
- BPC-B
- BPD-1B
- BPD-2B
- BPE-BOARD-B

14027198 14027198

Explanation: BPA-B BPR-4 is defective.

Failing Item:

- BPR-4B
 - BPC-B
 - BPD-1B
 - BPD-2B
 - BPE-BOARD-B
-

14027199 **14027199**

Explanation: BPA-B BPR-5 is defective.

Failing Item:

- BPR-5B
- BPC-B
- BPD-1B
- BPD-2B
- BPE-BOARD-B

1402719A **1402719A**

Explanation: BPA-B BPR-6 is defective.

Failing Item:

- BPR-6B
- BPC-B
- BPD-1B
- BPD-2B
- BPE-BOARD-B

1402719B **1402719B**

Explanation: BPA-B BPH is defective.

Failing Item:

- BPH-B
- BPC-B

140271A1 **140271A1**

Explanation: BPC-B side detects that IBF-1B is defective. (IBF is connected to BPA-B BPR-1B)

Failing Item:

- IBF-1B
- BPR-1B
- CBL-IBF1B
- BPC-B
- BPE-BOARD-B

140271A2 **140271A2**

Explanation: BPC-B side detects that IBF-2B is defective. (IBF is connected to BPA-B BPR-2B)

Failing Item:

- IBF-2B
- BPR-2B
- CBL-IBF2B
- BPC-B
- BPE-BOARD-B

14028072 **14028072**

Explanation: BPA-A has reported a temperature warning in cage - Make sure that there are no blocked/dirty air inlet or filters. Verify that all unused logic positions are filled with filler books and that the BPF on the A-side has a cover over it / BPF on B-side does not.

14028073 **14028073**

Explanation: BPA-B has reported a temperature warning in cage - Make sure that there are no blocked/dirty air inlet or filters. Verify that all unused logic positions are filled with filler books and that the BPF on the A-side has a cover over it / BPF on B-side does not.

14028074 **14028074**

Explanation: The Room Ambient Humidity has been reported as being out of specification. If unable to correct condition contact next level of support. The Sensor(s) are located in the UEPO assembly.

14028075 **14028075**

Explanation: The Room Dew Point value has been reported as being out of specification. If unable to correct condition contact next level of support. The Sensor(s) are located in the UEPO assembly.

14028076 **14028076**

Explanation: The chilled water feeding the system has returned to normal.

14028081 **14028081**

Explanation: Input power to BPA A has been recovered after loss or partial loss. IBM support should be notified of potential problem if this occurs without cause being identified.

14028082 **14028082**

Explanation: Input power to BPA B has been recovered after loss or partial loss. IBM support should be notified of potential problem if this occurs without cause being identified.

14028083 **14028083**

Explanation: Input power to BPA A has been recovered after loss or partial loss. IBM support should be notified of potential problem if this occurs without cause being identified.

14028084 **14028084**

Explanation: Input power to BPA B has been recovered after loss or partial loss. IBM support should be notified of potential problem if this occurs without cause being identified.

1402808F **1402808F**

Explanation: The system has reached a warning state that indicates a problem with the system input chilled water. If unable to correct condition contact next level of support.

14028090 **14028090**

Explanation: Input power to BPA A line cord 1 has returned to normal levels. IBM support should be notified of potential problem if this occurs without cause being identified.

14028091 **14028091**

Explanation: Input power to BPA A line cord 2 has returned to normal levels. IBM support should be notified of potential problem if this occurs without cause being identified.

14028092 **14028092**

Explanation: Input power to BPA B line cord 1 has returned to normal levels. IBM support should be notified of potential problem if this occurs without cause being identified.

14028093 **14028093**

Explanation: Input power to BPA B line cord 2 has returned to normal levels. IBM support should be notified of potential problem if this occurs without cause being identified.

140280C3 **140280C3**

Explanation: A-side BPC detects that the room UEPO is in bypass. Verify the room UEPO loop is enabled.

Failing Item:

- EPO-SWITCH
- BPC-A
- CBL-BPCA-EPO

14028130 **14028130**

Explanation: CAGE P/T Fru recovery. Cage in power recovery mode for information only.

14028131 **14028131**

Explanation: The UEPO switch has been used-This is an informational SRC.

Failing Item:

- NOT_A_BPA_FRU

14028132 **14028132**

Explanation: A send secure vpd command was received - Informational SRC.

Failing Item:

- NOT_A_BPA_FRU

14028133 **14028133**

Explanation: A TMS (60) was received - Informational SRC.

Failing Item:

- NOT_A_BPA_FRU

14028134 **14028134**

Explanation: This contains an ACDL log - Informational SRC.

Failing Item:

- NOT_A_BPA_FRU

14028135 **14028135**

Explanation: There has been an internal bulk power software error. This is an informational reference code.

Failing Item:

- NOT_A_BPA_FRU

14028136 **14028136**

Explanation: A PU book has entered throttling mode. This is an informational reference code.

14028172 **14028172**

Explanation: BPA-A has reported a temperature warning in cage - Make sure that there are no blocked/dirty air inlet or filters. Verify that all unused logic positions are filled with filler books.

14028173 **14028173**

Explanation: BPA-B has reported a temperature warning in cage - Make sure that there are no blocked/dirty air inlet or filters. Verify that all unused logic positions are filled with filler books.

140281C3 • 1402A013

140281C3 140281C3

Explanation: B-side BPC detects that the room UEPO is in bypass. Verify the room UEPO loop is enabled.

Failing Item:

- EPO-SWITCH
- BPC-B
- CBL-BPCB-EPO

140282C3 140282C3

Explanation: A-side BPCB detects that the room UEPO is in bypass. Verify the room UEPO loop is enabled.

Failing Item:

- EPO-SWITCH
- BPCB-A
- CBL-BPCB-EPO

140283C3 140283C3

Explanation: B-side BPCB detects that the room UEPO is in bypass. Verify the room UEPO loop is enabled.

Failing Item:

- EPO-SWITCH
- BPCB-B
- CBL-BPCB-EPO

14028777 14028777

Explanation: This SRC is used to collect data or logs and does not indicate an error or hardware problem.

14028887 14028887

Explanation: A DCA identified by the SRC trailer has recovered.

14028888 14028888

Explanation: A DCA in the TRES drawer identified by the SRC trailer has recovered.

14029999 14029999

Explanation: A bulk power logg has been created by an external command to BPA. Most likely this came from a support personal will investigating a problem. It is not a problem by itself and is for information collecting only.

Failing Item:

- NOT_A_BPA_FRU

1402A006 1402A006

Explanation: A fault between (BPA-A) BPCB and the load on port T6 has been detected.

Failing Item:

- BPCB-PORT-06

1402A007 1402A007

Explanation: A fault between (BPA-A) BPCB and the load on port T7 has been detected.

Failing Item:

- BPCB-PORT-07

1402A008 1402A008

Explanation: A fault between (BPA-A) BPCB and the load on port T8 has been detected.

Failing Item:

- BPCB-PORT-08

1402A009 1402A009

Explanation: A fault between (BPA-A) BPCB and the load on port T9 has been detected.

Failing Item:

- BPCB-PORT-09

1402A010 1402A010

Explanation: A fault between (BPA-A) BPCB and FDT has been detected.

Failing Item:

- BPCB-PORT-10

1402A011 1402A011

Explanation: A fault between (BPA-A) BPCB and the load on port T11 has been detected.

Failing Item:

- BPCB-PORT-11

1402A012 1402A012

Explanation: A fault between (BPA-A) BPCB and the load on port T12 has been detected..

Failing Item:

- BPCB-PORT-12

1402A013 1402A013

Explanation: A fault between (BPA-A) BPCB and the load on port T13 has been detected.

Failing Item:

- BPCHA-PORT-13

1402A014 1402A014

Explanation: A fault between (BPA-A) BPCH and the load on port T14 has been detected.

Failing Item:

- BPCHA-PORT-14

1402A015 1402A015

Explanation: A fault between (BPA-A) BPCH and the load on port T15 has been detected.

Failing Item:

- BPCHA-PORT-15

1402A016 1402A016

Explanation: A fault between (BPA-A) BPCH and the load on port T16 has been detected.

Failing Item:

- BPCHA-PORT-16

1402A017 1402A017

Explanation: A fault between (BPA-A) BPCH and the load on port T17 has been detected.

Failing Item:

- BPCHA-PORT-17

1402A018 1402A018

Explanation: A fault between (BPA-A) BPCH and the load on port T18 has been detected.

Failing Item:

- BPCHA-PORT-18

1402A019 1402A019

Explanation: A fault between (BPA-A) BPCH and the load on port T19 has been detected.

Failing Item:

- BPCHA-PORT-19

1402A020 1402A020

Explanation: A fault between (BPA-A) BPCH and the load on port T20 has been detected.

Failing Item:

- BPCHA-PORT-20

1402A021 1402A021

Explanation: A fault between (BPA-A) BPCH and the load on port T21 has been detected.

Failing Item:

- BPCHA-PORT-21

1402A022 1402A022

Explanation: A fault between (BPA-A) BPCH and the load on port T22 has been detected.

Failing Item:

- BPCHA-PORT-22

1402A023 1402A023

Explanation: A fault between (BPA-A) BPCH and the load on port T23 has been detected.

Failing Item:

- BPCHA-PORT-23

1402A024 1402A024

Explanation: A fault between (BPA-A) BPCH and the load on port T24 has been detected.

Failing Item:

- BPCHA-PORT-24

1402A025 1402A025

Explanation: A fault between (BPA-A) BPCH and the load on port T25 has been detected.

Failing Item:

- BPCHA-PORT-25

1402A026 1402A026

Explanation: A fault between (BPA-A) BPCH and the load on port T26 has been detected.

Failing Item:

- BPCHA-PORT-26

1402A027 1402A027

Explanation: A fault between (BPA-A) BPCH and the load on port T27 has been detected.

Failing Item:

- BPCHA-PORT-27

1402A028 1402A028

Explanation: A fault between (BPA-A) BPCH and the load on port T28 has been detected.

Failing Item:

1402A029 • 1402A101

- BPCHA-PORT-28

1402A029 1402A029

Explanation: A fault between (BPA-A) BPCH and the load on port T29 has been detected.

Failing Item:

- BPCHA-PORT-29

1402A030 1402A030

Explanation: A fault between (BPA-A) BPCH and the load on port T30 has been detected.

Failing Item:

- BPCHA-PORT-30

1402A031 1402A031

Explanation: A fault between (BPA-A) BPCH and the load on port T31 has been detected.

Failing Item:

- BPCHA-PORT-31

1402A032 1402A032

Explanation: A fault between (BPA-A) BPCH and the load on port T32 has been detected.

Failing Item:

- BPCHA-PORT-32

1402A033 1402A033

Explanation: A fault between (BPA-A) BPCH and the load on port T33 has been detected.

Failing Item:

- BPCHA-PORT-33

1402A034 1402A034

Explanation: A between (BPA-A) BPCH and the load on port T34 has been detected.

Failing Item:

- BPCHA-PORT-34

1402A035 1402A035

Explanation: A fault between (BPA-A) BPCH and the load on port T35 has been detected.

Failing Item:

- BPCHA-PORT-35

1402A036 1402A036

Explanation: A fault between (BPA-A) BPCH and the load on port T36 has been detected.

Failing Item:

- BPCHA-PORT-36

1402A037 1402A037

Explanation: A fault between (BPA-A) BPCH and the load on port T37 has been detected.

Failing Item:

- BPCHA-PORT-37

1402A038 1402A038

Explanation: A fault between (BPA-A) BPCH and the load on port T38 has been detected.

Failing Item:

- BPCHA-PORT-38

1402A039 1402A039

Explanation: A fault between (BPA-A) BPCH and the load on port T39 has been detected.

Failing Item:

- BPCHA-PORT-39

1402A040 1402A040

Explanation: A fault between (BPA-A) BPCH and the load on port T40 has been detected.

Failing Item:

- BPCHA-PORT-40

1402A041 1402A041

Explanation: A fault between (BPA-A) BPCH and the load on port T41 has been detected.

Failing Item:

- BPCHA-PORT-41

1402A042 1402A042

Explanation: A fault between (BPA-A) BPCH and the load on port T42 has been detected.

Failing Item:

- BPCHA-PORT-42

1402A101 1402A101

Explanation: A fault between (BPA-A) BPD and the load on port T1 has been detected.

Failing Item:

- BPDA-PORT-01

1402A102 **1402A102**

Explanation: A fault between (BPA-A) BPD and the load on port T2 has been detected.

Failing Item:

- BPDA-PORT-02

1402A103 **1402A103**

Explanation: A fault between (BPA-A) BPD and the load on port T3 has been detected.

Failing Item:

- BPDA-PORT-03

1402A104 **1402A104**

Explanation: A fault between (BPA-A) BPD and the load on port T4 has been detected.

Failing Item:

- BPDA-PORT-04

1402A105 **1402A105**

Explanation: A fault between (BPA-A) BPD and the load on port T5 has been detected.

Failing Item:

- BPDA-PORT-05

1402A106 **1402A106**

Explanation: A fault between (BPA-A) BPD and the load on port T6 has been detected.

Failing Item:

- BPDA-PORT-06

1402A107 **1402A107**

Explanation: A fault between (BPA-A) BPD and the load on port T7 has been detected.

Failing Item:

- BPDA-PORT-07

1402A108 **1402A108**

Explanation: A fault between (BPA-A) BPD and the load on port T8 has been detected.

Failing Item:

- BPDA-PORT-08

1402A109 **1402A109**

Explanation: A fault between (BPA-A) BPD and the load on port T9 has been detected.

Failing Item:

- BPDA-PORT-09

1402A110 **1402A110**

Explanation: A fault between (BPA-A) BPD and the load on port T10 has been detected.

Failing Item:

- BPDA-PORT-10

1402A111 **1402A111**

Explanation: A fault between (BPA-A) BPD and the load on port T11 has been detected.

Failing Item:

- BPDA-PORT-11

1402A112 **1402A112**

Explanation: A fault between (BPA-A) BPD and the load on port T12 has been detected.

Failing Item:

- BPDA-PORT-12

1402A113 **1402A113**

Explanation: A fault between (BPA-A) BPD and the load on port T13 has been detected.

Failing Item:

- BPDA-PORT-13

1402A114 **1402A114**

Explanation: A fault between (BPA-A) BPD and the load on port T14 has been detected.

Failing Item:

- BPDA-PORT-14

1402A115 **1402A115**

Explanation: A fault between (BPA-A) BPD and the load on port T15 has been detected.

Failing Item:

- BPDA-PORT-15

1402A116 **1402A116**

Explanation: A fault between (BPA-A) BPD and the load on port T16 has been detected.

Failing Item:

1402A117 • 1402B010

- BPDA-PORT-16

1402A117 1402A117

Explanation: A fault between (BPA-A) BPD and the load on port T17 has been detected.

Failing Item:

- BPDA-PORT-17

1402A118 1402A118

Explanation: A fault between (BPA-A) BPD and the load on port T18 has been detected.

Failing Item:

- BPDA-PORT-18

1402A119 1402A119

Explanation: A fault between (BPA-A) BPD and the load on port T19 has been detected.

Failing Item:

- BPDA-PORT-19

1402A120 1402A120

Explanation: A fault between (BPA-A) BPD and the load on port T20 has been detected.

Failing Item:

- BPDA-PORT-20

1402A121 1402A121

Explanation: A fault between (BPA-A) BPD and the load on port T21 has been detected.

Failing Item:

- BPDA-PORT-21

1402A122 1402A122

Explanation: A fault between (BPA-A) BPD and the load on port T22 has been detected.

Failing Item:

- BPDA-PORT-22

1402A123 1402A123

Explanation: A fault between (BPA-A) BPD and the load on port T23 has been detected.

Failing Item:

- BPDA-PORT-23

1402A124 1402A124

Explanation: A fault between (BPA-A) BPD and the load on port T24 has been detected.

Failing Item:

- BPDA-PORT-24

1402A125 1402A125

Explanation: A fault between (BPA-A) BPD and the load on port T25 has been detected.

Failing Item:

- BPDA-PORT-25

1402A126 1402A126

Explanation: A fault between (BPA-A) BPD and the load on port T26 has been detected.

Failing Item:

- BPDA-PORT-26

1402B006 1402B006

Explanation: A fault between (BPA-B) BPCH and the load on port T6 has been detected.

Failing Item:

- BPCHB-PORT-06

1402B007 1402B007

Explanation: A fault between (BPA-B) BPCH and the load on port T7 has been detected.

Failing Item:

- BPCHB-PORT-07

1402B008 1402B008

Explanation: A fault between (BPA-B) BPCH and the load on port T8 has been detected.

Failing Item:

- BPCHB-PORT-08

1402B009 1402B009

Explanation: A fault between (BPA-B) BPCH and the load on port T9 has been detected.

Failing Item:

- BPCHB-PORT-09

1402B010 1402B010

Explanation: A fault between (BPA-B) BPCH and FDT (T10) has been detected.

Failing Item:

- BPCHB-PORT-10

1402B011 1402B011

Explanation: A fault between (BPA-B) BPCH and the load on port T11 has been detected.

Failing Item:

- BPCHB-PORT-11

1402B012 1402B012

Explanation: A fault between (BPA-B) BPCH and the load on port T12 has been detected.

Failing Item:

- BPCHB-PORT-12

1402B013 1402B013

Explanation: A fault between (BPA-B) BPCH and the load on port T13 has been detected.

Failing Item:

- BPCHB-PORT-13

1402B014 1402B014

Explanation: A fault between (BPA-B) BPCH and the load on port T14 has been detected.

Failing Item:

- BPCHB-PORT-14

1402B015 1402B015

Explanation: A fault between (BPA-B) BPCH and the load on port T15 has been detected.

Failing Item:

- BPCHB-PORT-15

1402B016 1402B016

Explanation: A fault between (BPA-B) BPCH and the load on port T16 has been detected.

Failing Item:

- BPCHB-PORT-16

1402B017 1402B017

Explanation: A fault between (BPA-B) BPCH and the load on port T17 has been detected.

Failing Item:

- BPCHB-PORT-17

1402B018 1402B018

Explanation: A fault between (BPA-B) BPCH and the load on port T18 has been detected.

Failing Item:

- BPCHB-PORT-18

1402B019 1402B019

Explanation: A fault between (BPA-B) BPCH and the load on port T19 has been detected.

Failing Item:

- BPCHB-PORT-19

1402B020 1402B020

Explanation: A fault between (BPA-B) BPCH and the load on port T20 has been detected.

Failing Item:

- BPCHB-PORT-20

1402B021 1402B021

Explanation: A fault between (BPA-B) BPCH and the load on port T21 has been detected.

Failing Item:

- BPCHB-PORT-21

1402B022 1402B022

Explanation: A fault between (BPA-B) BPCH and the load on port T22 has been detected.

Failing Item:

- BPCHB-PORT-22

1402B023 1402B023

Explanation: A fault between (BPA-B) BPCH and the load on port T23 has been detected.

Failing Item:

- BPCHB-PORT-23

1402B024 1402B024

Explanation: A fault between (BPA-B) BPCH and the load on port T24 has been detected.

Failing Item:

- BPCHB-PORT-24

1402B025 1402B025

Explanation: A fault between (BPA-B) BPCH and the load on port T25 has been detected.

Failing Item:

1402B026 • 1402B040

- BPCHB-PORT-25

1402B026 1402B026

Explanation: A fault between (BPA-B) BPCH and the load on port T26 has been detected.

Failing Item:

- BPCHB-PORT-26

1402B027 1402B027

Explanation: A fault between (BPA-B) BPCH and the load on port T27 has been detected.

Failing Item:

- BPCHB-PORT-27

1402B028 1402B028

Explanation: A fault between (BPA-B) BPCH and the load on port T28 has been detected.

Failing Item:

- BPCHB-PORT-28

1402B029 1402B029

Explanation: A fault between (BPA-B) BPCH and the load on port T29 has been detected.

Failing Item:

- BPCHB-PORT-29

1402B030 1402B030

Explanation: A fault between (BPA-B) BPCH and the load on port T30 has been detected.

Failing Item:

- BPCHB-PORT-30

1402B031 1402B031

Explanation: A fault between (BPA-B) BPCH and the load on port T31 has been detected.

Failing Item:

- BPCHB-PORT-31

1402B032 1402B032

Explanation: A fault between (BPA-B) BPCH and the load on port T32 has been detected.

Failing Item:

- BPCHB-PORT-32

1402B033 1402B033

Explanation: A fault between (BPA-B) BPCH and the load on port T33 has been detected.

Failing Item:

- BPCHB-PORT-33

1402B034 1402B034

Explanation: A fault between (BPA-B) BPCH and the load on port T34 has been detected.

Failing Item:

- BPCHB-PORT-34

1402B035 1402B035

Explanation: A fault between (BPA-B) BPCH and the load on port T35 has been detected.

Failing Item:

- BPCHB-PORT-35

1402B036 1402B036

Explanation: A fault between (BPA-B) BPCH and the load on port T36 has been detected.

Failing Item:

- BPCHB-PORT-36

1402B037 1402B037

Explanation: A fault between (BPA-B) BPCH and the load on port T37 has been detected.

Failing Item:

- BPCHB-PORT-37

1402B038 1402B038

Explanation: A fault between (BPA-B) BPCH and the load on port T38 has been detected.

Failing Item:

- BPCHB-PORT-38

1402B039 1402B039

Explanation: A fault between (BPA-B) BPCH and the load on port T39 has been detected.

Failing Item:

- BPCHB-PORT-39

1402B040 1402B040

Explanation: A fault between (BPA-B) BPCH and the load on port T40 has been detected.

Failing Item:

- BPCHB-PORT-40

1402B041 1402B041

Explanation: A fault between (BPA-B) BPCH and the load on port T41 has been detected.

Failing Item:

- BPCHB-PORT-41

1402B042 1402B042

Explanation: A fault between (BPA-B) BPCH and the load on port T42 has been detected.

Failing Item:

- BPCHB-PORT-42

1402B101 1402B101

Explanation: A fault between (BPA-B) BPD and the load on port T1 has been detected.

Failing Item:

- BPDB-PORT-01

1402B102 1402B102

Explanation: A fault between (BPA-B) BPD and the load on port T2 has been detected.

Failing Item:

- BPDB-PORT-02

1402B103 1402B103

Explanation: A fault between (BPA-B) BPD and the load on port T3 has been detected.

Failing Item:

- BPDB-PORT-03

1402B104 1402B104

Explanation: A fault between (BPA-B) BPD and the load on port T4 has been detected.

Failing Item:

- BPDB-PORT-04

1402B105 1402B105

Explanation: A fault between (BPA-B) BPD and the load on port T5 has been detected.

Failing Item:

- BPDB-PORT-05

1402B106 1402B106

Explanation: A fault between (BPA-B) BPD and the load on port T6 has been detected.

Failing Item:

- BPDB-PORT-06

1402B107 1402B107

Explanation: A fault between (BPA-B) BPD and the load on port T7 has been detected.

Failing Item:

- BPDB-PORT-07

1402B108 1402B108

Explanation: A fault between (BPA-B) BPD and the load on port T8 has been detected.

Failing Item:

- BPDB-PORT-08

1402B109 1402B109

Explanation: A fault between (BPA-B) BPD and the load on port T9 has been detected.

Failing Item:

- BPDB-PORT-09

1402B110 1402B110

Explanation: A fault between (BPA-B) BPD and the load on port T10 has been detected.

Failing Item:

- BPDB-PORT-10

1402B111 1402B111

Explanation: A fault between (BPA-B) BPD and the load on port T11 has been detected.

Failing Item:

- BPDB-PORT-11

1402B112 1402B112

Explanation: A fault between (BPA-B) BPD and the load on port T12 has been detected.

Failing Item:

- BPDB-PORT-12

1402B113 1402B113

Explanation: A fault between (BPA-B) BPD and the load on port T13 has been detected.

Failing Item:

1402B114 • 1402C020

- BPDB-PORT-13

1402B114 1402B114

Explanation: A fault between (BPA-B) BPD and the load on port T14 has been detected.

Failing Item:

- BPDB-PORT-14

1402B115 1402B115

Explanation: A fault between (BPA-B) BPD and the load on port T15 has been detected.

Failing Item:

- BPDB-PORT-15

1402B116 1402B116

Explanation: A fault between (BPA-B) BPD and the load on port T16 has been detected.

Failing Item:

- BPDB-PORT-16

1402B117 1402B117

Explanation: A fault between (BPA-B) BPD and the load on port T17 has been detected.

Failing Item:

- BPDB-PORT-17

1402B118 1402B118

Explanation: A fault between (BPA-B) BPD and the load on port T18 has been detected.

Failing Item:

- BPDB-PORT-18

1402B119 1402B119

Explanation: A fault between (BPA-B) BPD and the load on port T19 has been detected.

Failing Item:

- BPDB-PORT-19

1402B120 1402B120

Explanation: A fault between (BPA-B) BPD and the load on port T20 has been detected.

Failing Item:

- BPDB-PORT-20

1402B121 1402B121

Explanation: A fault between (BPA-B) BPD and the load on port T21 has been detected.

Failing Item:

- BPDB-PORT-21

1402B122 1402B122

Explanation: A fault between (BPA-B) BPD and the load on port T22 has been detected.

Failing Item:

- BPDB-PORT-22

1402B123 1402B123

Explanation: A fault between (BPA-B) BPD and the load on port T23 has been detected.

Failing Item:

- BPDB-PORT-23

1402B124 1402B124

Explanation: A fault between (BPA-B) BPD and the load on port T24 has been detected.

Failing Item:

- BPDB-PORT-24

1402B125 1402B125

Explanation: A fault between (BPA-B) BPD and the load on port T25 has been detected.

Failing Item:

- BPDB-PORT-25

1402B126 1402B126

Explanation: A fault between (BPA-B) BPD and the load on port T26 has been detected.

Failing Item:

- BPDB-PORT-26

1402C018 1402C018

Explanation: The P1 node has indicated a failure and needs to be replaced.

Failing Item:

- P1_NODE

1402C020 1402C020

Explanation: The P2 node has indicated failure and needs to be replaced.

Failing Item:

- P2_NODE

1402C021 **1402C021**

Explanation: The P3 node has indicated failure and needs to be replaced.

Failing Item:

- P3_NODE

1402C022 **1402C022**

Explanation: The P4 node has indicated failure and needs to be replaced.

Failing Item:

- P4_NODE

1402C023 **1402C023**

Explanation: The P5 node has indicated failure and needs to be replaced.

Failing Item:

- P5_NODE

1402C024 **1402C024**

Explanation: The P6 node has indicated failure and needs to be replaced.

Failing Item:

- P6_NODE

1402C025 **1402C025**

Explanation: The P7 node has indicated failure and needs to be replaced.

Failing Item:

- P7_NODE

1402C026 **1402C026**

Explanation: The P8 node has indicated failure and needs to be replaced.

Failing Item:

- P8_NODE

1402C027 **1402C027**

Explanation: The P9 node has indicated failure and needs to be replaced.

Failing Item:

- P9_NODE

1402C028 **1402C028**

Explanation: The P10 node has indicated failure and needs to be replaced.

Failing Item:

- P10_NODE

1402C029 **1402C029**

Explanation: The P11 node has indicated failure and needs to be replaced.

Failing Item:

- P11_NODE

1402C030 **1402C030**

Explanation: The P12 node has indicated failure and needs to be replaced.

Failing Item:

- P12_NODE

1402C0F0 **1402C0F0**

Explanation: The temperature sensed in a PU book has reached a warning level. The Processor has gone into Low Power mode - Look for potential hardware failures. Next level of support should be notified of potential problem.

1402C0F1 **1402C0F1**

Explanation: The temperature sensed in a PU book has returned to normal from a warning level. Next level of support should be notified of potential problem.

(169C) Reference codes

169C102E 169C102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

169C3002 169C3002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

169C3010 169C3010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

169C3020 169C3020

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

169C3029 169C3029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

169C3100 169C3100

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

169C3109 169C3109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

169C310C 169C310C

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

169C310D 169C310D

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

169C3110 169C3110

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

169C3130 169C3130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

169C34FF 169C34FF

Explanation: Format in progress

169C4041 • 169CFFF9

Response: No action required. This reference code is logged for information only.

169C4041 **169C4041**

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

169C4060 **169C4060**

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

169C4061 **169C4061**

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

169C4100 **169C4100**

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

169C7000 **169C7000**

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

169C7001 **169C7001**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

169C70DD **169C70DD**

Explanation: System log entry only, no service action required

169CFFF3 **169CFFF3**

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

169CFFF4 **169CFFF4**

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

169CFFF5 **169CFFF5**

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

169CFFF6 **169CFFF6**

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

169CFFF7 **169CFFF7**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

169CFFF9 **169CFFF9**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

169CFFFA 169CFFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

169CFFFB 169CFFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

169CFFFC 169CFFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

169CFFFD 169CFFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

169CFFFE 169CFFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(1750) Reference codes

17503002 17503002

Explanation: Addressed device is not responding

Failing Item:

- FCPORT
- FCDEV
- FCIOA
- FCINTF
- OPT_CLN

17503010 17503010

Explanation: Disk device returned wrong response to IOP

Failing Item:

- FCDEV
- FCIOA
- OPT_CLN

17503020 17503020

Explanation: Storage subsystem configuration error

Response: If an MES is being installed, verify the configuration.

Failing Item:

- FCDEV
- FCIOA
- OPT_CLN

17503029 17503029

Explanation: This SRC is surfaced when the IOP detects that a device has changed Serial numbers. A device replacement has occurred.

Response: No action required. This reference code is logged for information only.

17503100 17503100

Explanation: Fibre Channel interface error occurred

Failing Item:

- FCINTF
- FCDEV
- FCIOA
- OPT_CLN

17503109 17503109

Explanation: IOP timed out a disk command

Failing Item:

- FCDEV
- FCINTF
- FCIOA
- OPT_CLN

17503160 17503160

Explanation: The volume in use is no longer accessible

Response: The storage subsystem configuration was changed, causing the volume in use to no longer be accessible.

Failing Item:

- FCDEV

17503161 17503161

Explanation: The volume in use is no longer accessible.

Response: Storage subsystem copy services functions have caused the volume in use to no longer be accessible.

Failing Item:

- FCDEV

175034FF 175034FF

Explanation: Format in progress

Response: The device indicated that a format is in progress. When the format is complete, the device should be useable. No action is required. This reference code is logged for information only.

1750FFF3 1750FFF3

Explanation: Disk media format bad

Failing Item:

- FCDEV

1750FFF4 1750FFF4

Explanation: Disk device problem

Failing Item:

- FCDEV

1750FFF5 1750FFF5

1750FFF6 • 1750FFFE

Explanation: Disk sector read error

Failing Item:

- FCDEV
-

1750FFF6 1750FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- FCDEV
-

1750FFFA 1750FFFA

Explanation: Disk device wrong response was recovered by the IOP

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- FCDEV
 - FCIOA
 - OPT_CLN
-

1750FFFE 1750FFFE

Explanation: Temporary Fibre Channel interface error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- FCINTF
- FCDEV
- FCIOA
- OPT_CLN

(198B) Reference codes

198B102E **198B102E**

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

198B3002 **198B3002**

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

198B3010 **198B3010**

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

198B3020 **198B3020**

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

198B3029 **198B3029**

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

198B3100 **198B3100**

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

198B3109 **198B3109**

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

198B310C **198B310C**

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

198B310D **198B310D**

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

198B3110 **198B3110**

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

198B3130 **198B3130**

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

198B34FF **198B34FF**

Explanation: Format in progress

198B4041 • 198BFFF9

Response: No action required. This reference code is logged for information only.

198B4041 **198B4041**

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

198B4060 **198B4060**

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

198B4061 **198B4061**

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

198B4100 **198B4100**

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

198B7000 **198B7000**

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

198B7001 **198B7001**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

198B70DD **198B70DD**

Explanation: System log entry only, no service action required

198BFFF3 **198BFFF3**

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

198BFFF4 **198BFFF4**

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

198BFFF5 **198BFFF5**

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

198BFFF6 **198BFFF6**

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

198BFFF7 **198BFFF7**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

198BFFF9 **198BFFF9**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

198BFFFA 198BFFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

198BFFFB 198BFFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

198BFFFC 198BFFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

198BFFFD 198BFFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

198BFFFE 198BFFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(198C) Reference codes

198C102E 198C102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

198C3002 198C3002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

198C3010 198C3010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

198C3020 198C3020

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

198C3029 198C3029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

198C3100 198C3100

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

198C3109 198C3109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

198C310C 198C310C

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

198C310D 198C310D

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

198C3110 198C3110

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

198C3130 198C3130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

198C34FF 198C34FF

Explanation: Format in progress

198C4041 • 198CFFF9

Response: No action required. This reference code is logged for information only.

198C4041 198C4041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

198C4060 198C4060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

198C4061 198C4061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

198C4100 198C4100

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

198C7000 198C7000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

198C7001 198C7001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

198C70DD 198C70DD

Explanation: System log entry only, no service action required

198CFFF3 198CFFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

198CFFF4 198CFFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

198CFFF5 198CFFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

198CFFF6 198CFFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

198CFFF7 198CFFF7

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

198CFFF9 198CFFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

198CFFFA 198CFFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

198CFFFB 198CFFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

198CFFFC 198CFFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

198CFFFD 198CFFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

198CFFFE 198CFFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(198D) Reference codes

198D102E 198D102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

198D3002 198D3002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

198D3010 198D3010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

198D3020 198D3020

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

198D3029 198D3029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

198D3100 198D3100

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

198D3109 198D3109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

198D310C 198D310C

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

198D310D 198D310D

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

198D3110 198D3110

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

198D3130 198D3130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

198D34FF 198D34FF

Explanation: Format in progress

198D4041 • 198DFFF9

Response: No action required. This reference code is logged for information only.

198D4041 198D4041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

198D4060 198D4060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

198D4061 198D4061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

198D4100 198D4100

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

198D7000 198D7000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

198D7001 198D7001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

198D70DD 198D70DD

Explanation: System log entry only, no service action required

198DFFF3 198DFFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

198DFFF4 198DFFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

198DFFF5 198DFFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

198DFFF6 198DFFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

198DFFF7 198DFFF7

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

198DFFF9 198DFFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

198DFFFA 198DFFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

198DFFFB 198DFFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

198DFFFC 198DFFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

198DFFFD 198DFFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

198DFFFE 198DFFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(198E) Reference codes

198E102E 198E102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

198E3002 198E3002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

198E3010 198E3010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

198E3020 198E3020

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

198E3029 198E3029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

198E3100 198E3100

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

198E3109 198E3109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

198E310C 198E310C

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

198E310D 198E310D

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

198E3110 198E3110

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

198E3130 198E3130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

198E34FF 198E34FF

Explanation: Format in progress

198E4041 • 198EFFF9

Response: No action required. This reference code is logged for information only.

198E4041 198E4041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

198E4060 198E4060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

198E4061 198E4061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

198E4100 198E4100

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

198E7000 198E7000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

198E7001 198E7001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

198E70DD 198E70DD

Explanation: System log entry only, no service action required

198EFFF3 198EFFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

198EFFF4 198EFFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

198EFFF5 198EFFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

198EFFF6 198EFFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

198EFFF7 198EFFF7

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

198EFFF9 198EFFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

198EFFFFA 198EFFFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

198EFFFFB 198EFFFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

198EFFFFC 198EFFFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

198EFFFFD 198EFFFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

198EFFFFE 198EFFFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(19A1) Reference codes

19A1102E 19A1102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

19A13002 19A13002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

19A13010 19A13010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19A13020 19A13020

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

19A13029 19A13029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

19A13100 19A13100

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

19A13109 19A13109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19A1310C 19A1310C

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19A1310D 19A1310D

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19A13110 19A13110

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19A13130 19A13130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

19A134FF 19A134FF

Explanation: Format in progress

19A14041 • 19A1FFF9

Response: No action required. This reference code is logged for information only.

19A14041 19A14041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

19A14060 19A14060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

19A14061 19A14061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

19A14100 19A14100

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

19A17000 19A17000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

19A17001 19A17001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19A170DD 19A170DD

Explanation: System log entry only, no service action required

19A1FFF3 19A1FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

19A1FFF4 19A1FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

19A1FFF5 19A1FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19A1FFF6 19A1FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19A1FFF7 19A1FFF7

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19A1FFF9 19A1FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19A1FFFA 19A1FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19A1FFFB 19A1FFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

19A1FFFC 19A1FFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19A1FFFD 19A1FFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19A1FFFE 19A1FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(19A3) Reference codes

19A3102E 19A3102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

19A33002 19A33002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

19A33010 19A33010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19A33020 19A33020

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

19A33029 19A33029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

19A33100 19A33100

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

19A33109 19A33109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19A3310C 19A3310C

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19A3310D 19A3310D

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19A33110 19A33110

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19A33130 19A33130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

19A334FF 19A334FF

Explanation: Format in progress

19A34041 • 19A3FFF9

Response: No action required. This reference code is logged for information only.

19A34041 19A34041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

19A34060 19A34060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

19A34061 19A34061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

19A34100 19A34100

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

19A37000 19A37000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

19A37001 19A37001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19A370DD 19A370DD

Explanation: System log entry only, no service action required

19A3FFF3 19A3FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

19A3FFF4 19A3FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

19A3FFF5 19A3FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19A3FFF6 19A3FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19A3FFF7 19A3FFF7

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19A3FFF9 19A3FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19A3FFFA 19A3FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19A3FFFB 19A3FFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

19A3FFFC 19A3FFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19A3FFFD 19A3FFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19A3FFFE 19A3FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(19A4) Reference codes

19A4102E 19A4102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

19A43002 19A43002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

19A43010 19A43010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19A43020 19A43020

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

19A43029 19A43029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

19A43100 19A43100

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

19A43109 19A43109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19A4310C 19A4310C

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19A4310D 19A4310D

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19A43110 19A43110

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19A43130 19A43130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

19A434FF 19A434FF

Explanation: Format in progress

19A44041 • 19A4FFF9

Response: No action required. This reference code is logged for information only.

19A44041 19A44041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

19A44060 19A44060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

19A44061 19A44061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

19A44100 19A44100

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

19A47000 19A47000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

19A47001 19A47001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19A470DD 19A470DD

Explanation: System log entry only, no service action required

19A4FFF3 19A4FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

19A4FFF4 19A4FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

19A4FFF5 19A4FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19A4FFF6 19A4FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19A4FFF7 19A4FFF7

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19A4FFF9 19A4FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19A4FFFA 19A4FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19A4FFFB 19A4FFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

19A4FFFC 19A4FFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19A4FFFD 19A4FFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19A4FFFE 19A4FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(19B0) Reference codes

19B0102E 19B0102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV
-

19B03002 19B03002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
 - STORIOA
 - DEVBPLN
 - SASCABL
 - SASEXP
-

19B03010 19B03010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
 - STORIOA
 - SASCABL
 - SASEXP
-

19B03020 19B03020

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
 - STORIOA
 - SASCABL
-

19B03029 19B03029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

19B03100 19B03100

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
 - STORIOA
 - SASCABL
-

- SASEXP
-

19B03109 19B03109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
 - STORIOA
 - SASCABL
 - SASEXP
-

19B0310C 19B0310C

Explanation: Device bus error.

Failing Item:

- SIP3250
 - DISKDRV
 - STORIOA
-

19B0310D 19B0310D

Explanation: Device bus error.

Failing Item:

- SIP3250
 - DISKDRV
 - STORIOA
-

19B03110 19B03110

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
 - STORIOA
 - SASCABL
 - SASEXP
-

19B03130 19B03130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS
-

19B034FF 19B034FF

Explanation: Format in progress

19B04041 • 19B0FFF9

Response: No action required. This reference code is logged for information only.

19B04041 **19B04041**

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

19B04060 **19B04060**

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

19B04061 **19B04061**

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

19B04100 **19B04100**

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

19B07000 **19B07000**

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

19B07001 **19B07001**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B070DD **19B070DD**

Explanation: System log entry only, no service action required

19B0FFF3 **19B0FFF3**

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

19B0FFF4 **19B0FFF4**

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

19B0FFF5 **19B0FFF5**

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B0FFF6 **19B0FFF6**

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B0FFF7 **19B0FFF7**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B0FFF9 **19B0FFF9**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B0FFFA 19B0FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19B0FFFB 19B0FFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

19B0FFFC 19B0FFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19B0FFFD 19B0FFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19B0FFFE 19B0FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(19B1) Reference codes

19B1102E **19B1102E**

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV
-

19B13002 **19B13002**

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
 - STORIOA
 - DEVBPLN
 - SASCABL
 - SASEXP
-

19B13010 **19B13010**

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
 - STORIOA
 - SASCABL
 - SASEXP
-

19B13020 **19B13020**

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
 - STORIOA
 - SASCABL
-

19B13029 **19B13029**

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

19B13100 **19B13100**

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
 - STORIOA
 - SASCABL
-

- SASEXP
-

19B13109 **19B13109**

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
 - STORIOA
 - SASCABL
 - SASEXP
-

19B1310C **19B1310C**

Explanation: Device bus error.

Failing Item:

- SIP3250
 - DISKDRV
 - STORIOA
-

19B1310D **19B1310D**

Explanation: Device bus error.

Failing Item:

- SIP3250
 - DISKDRV
 - STORIOA
-

19B13110 **19B13110**

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
 - STORIOA
 - SASCABL
 - SASEXP
-

19B13130 **19B13130**

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS
-

19B134FF **19B134FF**

Explanation: Format in progress

19B14041 • 19B1FFF9

Response: No action required. This reference code is logged for information only.

19B14041 **19B14041**

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

19B14060 **19B14060**

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

19B14061 **19B14061**

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

19B14100 **19B14100**

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

19B17000 **19B17000**

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

19B17001 **19B17001**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B170DD **19B170DD**

Explanation: System log entry only, no service action required

19B1FFF3 **19B1FFF3**

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

19B1FFF4 **19B1FFF4**

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

19B1FFF5 **19B1FFF5**

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B1FFF6 **19B1FFF6**

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B1FFF7 **19B1FFF7**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B1FFF9 **19B1FFF9**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B1FFFA 19B1FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19B1FFFB 19B1FFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

19B1FFFC 19B1FFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19B1FFFD 19B1FFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19B1FFFE 19B1FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(19B3) Reference codes

19B3102E **19B3102E**

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

19B33002 **19B33002**

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

19B33010 **19B33010**

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19B33020 **19B33020**

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

19B33029 **19B33029**

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

19B33100 **19B33100**

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

19B33109 **19B33109**

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19B3310C **19B3310C**

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19B3310D **19B3310D**

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19B33110 **19B33110**

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19B33130 **19B33130**

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

19B334FF **19B334FF**

Explanation: Format in progress

19B34041 • 19B3FFF9

Response: No action required. This reference code is logged for information only.

19B34041 **19B34041**

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

19B34060 **19B34060**

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

19B34061 **19B34061**

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

19B34100 **19B34100**

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

19B37000 **19B37000**

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

19B37001 **19B37001**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B370DD **19B370DD**

Explanation: System log entry only, no service action required

19B3FFF3 **19B3FFF3**

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

19B3FFF4 **19B3FFF4**

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

19B3FFF5 **19B3FFF5**

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B3FFF6 **19B3FFF6**

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B3FFF7 **19B3FFF7**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B3FFF9 **19B3FFF9**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B3FFFA 19B3FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19B3FFFB 19B3FFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

19B3FFFC 19B3FFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19B3FFFD 19B3FFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19B3FFFE 19B3FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(19B4) Reference codes

19B4102E **19B4102E**

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

19B43002 **19B43002**

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

19B43010 **19B43010**

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19B43020 **19B43020**

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

19B43029 **19B43029**

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

19B43100 **19B43100**

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

19B43109 **19B43109**

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19B4310C **19B4310C**

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19B4310D **19B4310D**

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19B43110 **19B43110**

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19B43130 **19B43130**

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

19B434FF **19B434FF**

Explanation: Format in progress

19B44041 • 19B4FFF9

Response: No action required. This reference code is logged for information only.

19B44041 **19B44041**

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

19B44060 **19B44060**

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

19B44061 **19B44061**

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

19B44100 **19B44100**

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

19B47000 **19B47000**

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

19B47001 **19B47001**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B470DD **19B470DD**

Explanation: System log entry only, no service action required

19B4FFF3 **19B4FFF3**

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

19B4FFF4 **19B4FFF4**

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

19B4FFF5 **19B4FFF5**

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B4FFF6 **19B4FFF6**

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B4FFF7 **19B4FFF7**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B4FFF9 **19B4FFF9**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B4FFFA 19B4FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19B4FFFB 19B4FFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

19B4FFFC 19B4FFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19B4FFFD 19B4FFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19B4FFFE 19B4FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(19B5) Reference codes

19B5102E **19B5102E**

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

19B53002 **19B53002**

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

19B53010 **19B53010**

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19B53020 **19B53020**

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

19B53029 **19B53029**

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

19B53100 **19B53100**

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

19B53109 **19B53109**

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19B5310C **19B5310C**

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19B5310D **19B5310D**

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19B53110 **19B53110**

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19B53130 **19B53130**

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

19B534FF **19B534FF**

Explanation: Format in progress

19B54041 • 19B5FFF9

Response: No action required. This reference code is logged for information only.

19B54041 **19B54041**

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

19B54060 **19B54060**

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

19B54061 **19B54061**

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

19B54100 **19B54100**

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

19B57000 **19B57000**

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

19B57001 **19B57001**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B570DD **19B570DD**

Explanation: System log entry only, no service action required

19B5FFF3 **19B5FFF3**

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

19B5FFF4 **19B5FFF4**

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

19B5FFF5 **19B5FFF5**

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B5FFF6 **19B5FFF6**

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B5FFF7 **19B5FFF7**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B5FFF9 **19B5FFF9**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B5FFFA 19B5FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19B5FFFB 19B5FFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

19B5FFFC 19B5FFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19B5FFFD 19B5FFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19B5FFFE 19B5FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(19B7) Reference codes

19B7102E 19B7102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

19B73002 19B73002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

19B73010 19B73010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19B73020 19B73020

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

19B73029 19B73029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

19B73100 19B73100

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

19B73109 19B73109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19B7310C 19B7310C

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19B7310D 19B7310D

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19B73110 19B73110

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19B73130 19B73130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

19B734FF 19B734FF

Explanation: Format in progress

19B74041 • 19B7FFF9

Response: No action required. This reference code is logged for information only.

19B74041 **19B74041**

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

19B74060 **19B74060**

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

19B74061 **19B74061**

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

19B74100 **19B74100**

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

19B77000 **19B77000**

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

19B77001 **19B77001**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B770DD **19B770DD**

Explanation: System log entry only, no service action required

19B7FFF3 **19B7FFF3**

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

19B7FFF4 **19B7FFF4**

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

19B7FFF5 **19B7FFF5**

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B7FFF6 **19B7FFF6**

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B7FFF7 **19B7FFF7**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B7FFF9 **19B7FFF9**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

19B7FFFA 19B7FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

19B7FFFB 19B7FFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

19B7FFFC 19B7FFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19B7FFFD 19B7FFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

19B7FFFE 19B7FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(2058) Reference codes

2058B990 2058B990

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- FI00130
- IOP
- MA_BRDG

(2105) Reference codes

21053002 21053002

Explanation: Addressed device is not responding

Failing Item:

- FCPORT
- FCDEV
- FCIOA
- FCINTF
- OPT_CLN

21053010 21053010

Explanation: Disk device returned wrong response to IOP

Failing Item:

- FCDEV
- FCIOA
- OPT_CLN

21053020 21053020

Explanation: Storage subsystem configuration error

Response: If an MES is being installed, verify the configuration.

Failing Item:

- FCDEV
- FCIOA
- OPT_CLN

21053029 21053029

Explanation: This SRC is surfaced when the IOP detects that a device has changed Serial numbers. A device replacement has occurred.

Response: No action required. This reference code is logged for information only.

21053100 21053100

Explanation: Fibre Channel interface error occurred

Failing Item:

- FCINTF
- FCDEV
- FCIOA
- OPT_CLN

21053109 21053109

Explanation: IOP timed out a disk command

Failing Item:

- FCDEV
- FCINTF
- FCIOA
- OPT_CLN

21053160 21053160

Explanation: The volume in use is no longer accessible

Response: The storage subsystem configuration was changed, causing the volume in use to no longer be accessible.

Failing Item:

- FCDEV

21053161 21053161

Explanation: The volume in use is no longer accessible.

Response: Storage subsystem copy services functions have caused the volume in use to no longer be accessible.

Failing Item:

- FCDEV

210534FF 210534FF

Explanation: Format in progress

Response: The device indicated that a format is in progress. When the format is complete, the device should be useable. No action is required. This reference code is logged for information only.

2105FFF3 2105FFF3

Explanation: Disk media format bad

Failing Item:

- FCDEV

2105FFF4 2105FFF4

Explanation: Disk device problem

Failing Item:

- FCDEV

2105FFF5 2105FFF5

2105FFF6 • 2105FFFE

Explanation: Disk sector read error

Failing Item:

- FCDEV
-

2105FFF6 2105FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- FCDEV
-

2105FFFA 2105FFFA

Explanation: Disk device wrong response was recovered by the IOP

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- FCDEV
 - FCIOA
 - OPT_CLN
-

2105FFFE 2105FFFE

Explanation: Temporary Fibre Channel interface error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- FCINTF
- FCDEV
- FCIOA
- OPT_CLN

(2107) Reference codes

21073002 21073002

Explanation: Addressed device is not responding

Failing Item:

- FCPORT
- FCDEV
- FCIOA
- FCINTF
- OPT_CLN

21073010 21073010

Explanation: Disk device returned wrong response to IOP

Failing Item:

- FCDEV
- FCIOA
- OPT_CLN

21073020 21073020

Explanation: Storage subsystem configuration error

Response: If an MES is being installed, verify the configuration.

Failing Item:

- FCDEV
- FCIOA
- OPT_CLN

21073029 21073029

Explanation: This SRC is surfaced when the IOP detects that a device has changed Serial numbers. A device replacement has occurred.

Response: No action required. This reference code is logged for information only.

21073100 21073100

Explanation: Fibre Channel interface error occurred

Failing Item:

- FCINTF
- FCDEV
- FCIOA
- OPT_CLN

21073109 21073109

Explanation: IOP timed out a disk command

Failing Item:

- FCDEV
- FCINTF
- FCIOA
- OPT_CLN

21073160 21073160

Explanation: The volume in use is no longer accessible

Response: The storage subsystem configuration was changed, causing the volume in use to no longer be accessible.

Failing Item:

- FCDEV

21073161 21073161

Explanation: The volume in use is no longer accessible.

Response: Storage subsystem copy services functions have caused the volume in use to no longer be accessible.

Failing Item:

- FCDEV

210734FF 210734FF

Explanation: Format in progress

Response: The device indicated that a format is in progress. When the format is complete, the device should be useable. No action is required. This reference code is logged for information only.

2107FFF3 2107FFF3

Explanation: Disk media format bad

Failing Item:

- FCDEV

2107FFF4 2107FFF4

Explanation: Disk device problem

Failing Item:

- FCDEV

2107FFF5 2107FFF5

2107FFF6 • 2107FFFE

Explanation: Disk sector read error

Failing Item:

- FCDEV
-

2107FFF6 2107FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- FCDEV
-

2107FFFA 2107FFFA

Explanation: Disk device wrong response was recovered by the IOP

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- FCDEV
 - FCIOA
 - OPT_CLN
-

2107FFFE 2107FFFE

Explanation: Temporary Fibre Channel interface error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- FCINTF
- FCDEV
- FCIOA
- OPT_CLN

(2145) Reference codes

21453002 21453002

Explanation: Addressed device is not responding

Failing Item:

- FCPORT
- FCDEV
- FCIOA
- FCINTF
- OPT_CLN

21453010 21453010

Explanation: Disk device returned wrong response to IOP

Failing Item:

- FCDEV
- FCIOA
- OPT_CLN

21453020 21453020

Explanation: Storage subsystem configuration error

Response: If an MES is being installed, verify the configuration.

Failing Item:

- FCDEV
- FCIOA
- OPT_CLN

21453029 21453029

Explanation: This SRC is surfaced when the IOP detects that a device has changed Serial numbers. A device replacement has occurred.

Response: No action required. This reference code is logged for information only.

21453100 21453100

Explanation: Fibre Channel interface error occurred

Failing Item:

- FCINTF
- FCDEV
- FCIOA
- OPT_CLN

21453109 21453109

Explanation: IOP timed out a disk command

Failing Item:

- FCDEV
- FCINTF
- FCIOA
- OPT_CLN

21453160 21453160

Explanation: The volume in use is no longer accessible

Response: The storage subsystem configuration was changed, causing the volume in use to no longer be accessible.

Failing Item:

- FCDEV

21453161 21453161

Explanation: The volume in use is no longer accessible.

Response: Storage subsystem copy services functions have caused the volume in use to no longer be accessible.

Failing Item:

- FCDEV

214534FF 214534FF

Explanation: Format in progress

Response: The device indicated that a format is in progress. When the format is complete, the device should be useable. No action is required. This reference code is logged for information only.

2145FFF3 2145FFF3

Explanation: Disk media format bad

Failing Item:

- FCDEV

2145FFF4 2145FFF4

Explanation: Disk device problem

Failing Item:

- FCDEV

2145FFF5 2145FFF5

2145FFF6 • 2145FFFE

Explanation: Disk sector read error

Failing Item:

- FCDEV
-

2145FFF6 2145FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- FCDEV
-

2145FFFA 2145FFFA

Explanation: Disk device wrong response was recovered by the IOP

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- FCDEV
 - FCIOA
 - OPT_CLN
-

2145FFFE 2145FFFE

Explanation: Temporary Fibre Channel interface error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- FCINTF
- FCDEV
- FCIOA
- OPT_CLN

(266D) Reference codes

266DA001 266DA001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDG301

266DB9B0 266DB9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- AJDG301

(266E) Reference codes

266EA001 266EA001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDG301

266EB9B0 266EB9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- AJDG301

(266F) Reference codes

266FA001 266FA001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDG301

266FB904 266FB904

Explanation: I/O Adapter Licensed Internal Code failed

Failing Item:

- AJDGP01
- FI00719

266FB934 266FB934

Explanation: Incompatible hardware detected.

Failing Item:

- FI00719
- FI00718

266FB940 266FB940

Explanation: I/O adapter hardware error detected.

Failing Item:

- FI00719
- FI00718
- AJDGP01
- MA_BRDG

266FB941 266FB941

Explanation: One half of I/O adapter failed.

Failing Item:

- FI00719
- FI00718
- AJDGP01

266FB942 266FB942

Explanation: One half of I/O adapter failed.

Failing Item:

- FI00719
- FI00718
- AJDGP01

266FB9B0 266FB9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- AJDG301

(2689) Reference codes

26890A17 26890A17

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOA
- AJDG301
- AJDGP01

26890A22 26890A22

Explanation: Adapter card storage error

Failing Item:

- AJDGP01
- AJDG301
- IOA

26891307 26891307

Explanation: I/O adapter resource not available.

Failing Item:

- AJDGP01
- AJDG301

26891310 26891310

Explanation: I/O adapter resource not available.

Response: The INA processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

Failing Item:

- IOA
- AJDGP01

26893000 26893000

Explanation: An I/O adapter failure occurred.

Failing Item:

- IOA
- AJDGP01

26893001 26893001

Explanation: I/O adapter Licensed Internal Code failed.

Failing Item:

- IOA

- AJDGP01

26893006 26893006

Explanation: An I/O adapter failure occurred.

Failing Item:

- IOA
- ANYBUS

26893080 26893080

Explanation: I/O adapter Licensed Internal Code failed.

Failing Item:

- AJDGP01

26893081 26893081

Explanation: I/O adapter error; logged only.

26893084 26893084

Explanation: An I/O adapter failure occurred.

Failing Item:

- AJDGP01
- IOA

26893087 26893087

Explanation: I/O adapter resource not available.

Failing Item:

- AJDGP01
- AJDG301
- NTUSER

26896070 26896070

Explanation: An I/O adapter failure occurred.

Failing Item:

- IOA

26896071 26896071

Explanation: I/O adapter Licensed Internal Code failed.

Failing Item:

- AJDGP01

26896072 26896072

26896075 • 26896228

Explanation: I/O adapter Licensed Internal Code failed.

Failing Item:

- AJDGP01
- IOA

26896075 26896075

Explanation: I/O adapter resource not available.

Failing Item:

- AJDGP01

26896083 26896083

Explanation: I/O adapter Licensed Internal Code failed.

Failing Item:

- AJDGP01
- IOA

26896085 26896085

Explanation: I/O adapter Licensed Internal Code failed.

Failing Item:

- AJDGP01
- IOA

26896201 26896201

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOA
- AJDGP01

26896202 26896202

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOA

26896203 26896203

Explanation: A permanent I/O processor failure occurred

Failing Item:

- NETSERV
- IOA
- AJDGP01

26896210 26896210

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- NETSERV
- AJDGP01

26896222 26896222

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- IOA

26896223 26896223

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOA
- AJDGP01

26896225 26896225

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- AJDG301
- IOA

26896226 26896226

Explanation: I/O processor card detected device error

Failing Item:

- AJDG301
- AS4NTDD

26896227 26896227

Explanation: A HostLAN error was detected

Failing Item:

- NTUSER
- AJDGP01
- IOA

26896228 26896228

Explanation: Windows initiated a warm boot

Failing Item:

- AJDGP01

- IOA

26896501 26896501

Explanation: A Windows fatal error occurred

Failing Item:

- IOA
 - AJDGP01
-

26896502 26896502

Explanation: A Windows fatal error occurred

Failing Item:

- AJDGP01
 - IOA
-

26896530 26896530

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTVSCSI
 - NTOPSYS
-

26896531 26896531

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTVSCSI
 - AS4NTDD
 - NTOPSYS
 - AJDGP01
-

26896532 26896532

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTOPSYS
 - AJDGP01
 - AS4NTDD
-

26896533 26896533

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTUSER
 - NTOPSYS
 - AS4NTDD
-

26896534 26896534

Explanation: A Virtual SCSI error was detected.

Failing Item:

- AS4NTDD
 - AJDGP01
 - NTOPSYS
-

26896535 26896535

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTUSER
 - NTDEVDR
 - AJDGP01
-

26896538 26896538

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTVSCSI
 - NTOPSYS
-

26896539 26896539

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTVSCSI
 - AS4NTDD
 - NTOPSYS
 - AJDGP01
-

2689653A 2689653A

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTOPSYS
 - AJDGP01
 - AS4NTDD
-

2689653B 2689653B

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTUSER
 - NTOPSYS
 - AS4NTDD
-

2689653C 2689653C

Explanation: A Virtual SCSI error was detected.

Failing Item:

- AS4NTDD
- AJDGP01
- NTOPSYS

2689653D 2689653D

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTUSER
- NTDEVDR
- AJDGP01

2689653F 2689653F

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTDEVDR
- NTOPSYS
- AJDG301

26896540 26896540

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTVSCSI
- AJDGP01
- AJDG301

26896541 26896541

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOA
- AJDGP01

26896542 26896542

Explanation: Licensed Internal Code error detected.

Failing Item:

- AJDG301
- AJDGP01

26896543 26896543

Explanation: A Windows fatal error occurred

Failing Item:

- NTOPSYS

- NTVSCSI

26896544 26896544

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTVSCSI
- NTOPSYS

26896580 26896580

Explanation: A Windows fatal error occurred

Failing Item:

- DISKIMG
- IOA
- AJDGP01

26896590 26896590

Explanation: A Netfinity Server error was detected

268965B0 268965B0

Explanation: A HostLAN error was detected

Failing Item:

- NTLANDD
- NTOPSYS

268965B1 268965B1

Explanation: A HostLAN error was detected

Failing Item:

- NTLANDD
- NTOPSYS
- AJDG301

268965B2 268965B2

Explanation: A HostLAN error was detected

Failing Item:

- NTDEVDR
- NTOPSYS
- AJDG301

26898301 26898301

Explanation: An I/O adapter failure occurred.

Failing Item:

- AJDGP01
- IOA

2689B3B1 2689B3B1

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOA
-

2689B3B2 2689B3B2

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOA
-

2689B3B3 2689B3B3

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOA
-

2689B3B4 2689B3B4

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOA
-

2689B3B5 2689B3B5

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOA
-

2689B3B6 2689B3B6

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOA
-

2689B3B7 2689B3B7

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOA
-

2689B3B8 2689B3B8

Explanation: An I/O adapter failure occurred.

Failing Item:

- IOA
-

2689B3B9 2689B3B9

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOA
-

2689B3E0 2689B3E0

Explanation: I/O processor detected a fault condition

Failing Item:

- IOA
-

2689B3E1 2689B3E1

Explanation: An I/O adapter failure occurred.

Failing Item:

- IOA
-

2689B4B0 2689B4B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
-

2689B4B1 2689B4B1

Explanation: A Netfinity Server error was detected

Failing Item:

- NETSERV
 - AJDGP01
-

2689B4B9 2689B4B9

Explanation: An I/O adapter failure occurred.

Failing Item:

- IOA
-

2689B4BC 2689B4BC

Explanation: A Netfinity Server error was detected

Failing Item:

- NETSERV
-

2689B4BF 2689B4BF

Explanation: A Netfinity Server error was detected

Failing Item:

- NSCABLE
-

2689B904 • 2689BE00

2689B904 2689B904

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
 - IOA
-

2689B935 2689B935

Explanation: Incompatible hardware detected.

Failing Item:

- AJDGP01
 - IOA
-

2689B960 2689B960

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOA
-

2689BE00 2689BE00

Explanation: An I/O adapter failure occurred.

Failing Item:

- AJDGP01
- IOA

(2742) Reference codes

2742A001 2742A001

Explanation: Communications I/O adapter software error or failure configuring hardware.

Failing Item:

- NEXTLVL

2742B940 2742B940

Explanation: I/O adapter hardware error detected

Failing Item:

- FI00719
- AJDGP01
- MA_BRDG

2742B941 2742B941

Explanation: One of the ports on the IOA has failed.

Failing Item:

- FI00719
- AJDGP01

(2743) Reference codes

2743B950 2743B950

Explanation: Licensed Internal Code error

Failing Item:

- AJDGP01
- FI00718
- FI00719

2743B951 2743B951

Explanation: I/O adapter hardware error detected

Failing Item:

- FI00719
- FI00718
- AJDGP01
- MA_BRDG

(2744) Reference codes

2744B904 2744B904

Explanation: I/O adapter Licensed Internal Code failed

Failing Item:

- AJDGP01
- FI00719

2744B920 2744B920

Explanation: I/O adapter Licensed Internal Code failed

Failing Item:

- AJDGP01
- FI00718
- FI00719

2744B921 2744B921

Explanation: I/O adapter hardware error detected

Failing Item:

- FI00719
- FI00718
- AJDGP01
- MA_BRDG

2744B934 2744B934

Explanation: Incompatible hardware detected.

Failing Item:

- FI00719
- FI00718

(2745) Reference codes

2745B904 2745B904

Explanation: I/O Adapter Licensed Internal Code failed

Failing Item:

- AJDGP01
- FI00719

2745B934 2745B934

Explanation: Incompatible hardware detected.

Failing Item:

- FI00719
- FI00718

2745B940 2745B940

Explanation: I/O adapter hardware error detected.

Failing Item:

- FI00719
- FI00718
- AJDGP01
- MA_BRDG

2745B941 2745B941

Explanation: One half of I/O adapter failed.

Failing Item:

- FI00719
- FI00718
- AJDGP01

2745B942 2745B942

Explanation: One half of I/O adapter failed.

Failing Item:

- FI00719
- FI00718
- AJDGP01

(2746) Reference codes

2746B904 2746B904

Explanation: I/O Adapter Licensed Internal Code failed

Failing Item:

- AJDGP01
- FI00719

2746B934 2746B934

Explanation: Incompatible hardware detected.

Failing Item:

- FI00719
- FI00718

2746B940 2746B940

Explanation: I/O adapter hardware error detected.

Failing Item:

- FI00719
- FI00718
- AJDGP01
- MA_BRDG

2746B941 2746B941

Explanation: One half of I/O adapter failed.

Failing Item:

- FI00719
- FI00718
- AJDGP01

2746B942 2746B942

Explanation: One half of I/O adapter failed.

Failing Item:

- FI00719
- FI00718
- AJDGP01

(2749) Reference codes

27490A17 27490A17

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
 - MA_BRDG
 - AJDGP01
 - AJDG301
-

27490A22 27490A22

Explanation: I/O processor detected a storage transfer error

Failing Item:

- AJDGP01
 - AJDG301
 - IOP
 - MA_BRDG
-

2749102E 2749102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- FI01105
-

27491306 27491306

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- AJDGP01
 - IOP
 - FI01104
 - BACKPLN
-

27491307 27491307

Explanation: I/O processor resource not available

Failing Item:

- AJDGP01
 - AJDG301
-

27491310 27491310

Explanation: I/O processor resource not available

Response: The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

27491317 27491317

Explanation: I/O processor card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates IOP, then replace the IOP. If the Failing Item indicates SVCDOCS, then do NOT replace the IOP. This is a recoverable error. Perform the following:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS
-

27492200 27492200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
-

27492201 27492201

Explanation: Removable media error during IPL

Failing Item:

- USER
 - FI01105
-

27492202 27492202

Explanation: Removable media error during IPL

Failing Item:

- FI00022
 - FI01105
-

27493000 27493000

Explanation: A permanent I/O processor failure occurred

Failing Item:

27493001 • 27493084

- FI01101
- IOP
- MA_BRDG

27493001 27493001

Explanation: Not valid condition in I/O Processor Licensed Internal Code

Response: The Licensed Internal Code found a condition that should not have occurred.

Failing Item:

- IOP
- AJDGP01

27493002 27493002

Explanation: Addressed device failed to respond to selection

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- FI01141
- FI01106

27493006 27493006

Explanation: System bus error

Failing Item:

- IOP
- ANYBUS
- FI01101

27493020 27493020

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

27493021 27493021

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

27493022 27493022

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

27493023 27493023

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

27493080 27493080

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01

27493081 27493081

Explanation: System log entry only, no service action required

27493084 27493084

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- AJDGP01
- IOP
- FI01104
- MA_BRDG

 27493087 27493087

Explanation: I/O processor resource not available

Response: The Licensed Internal Code could not allocate resources on the I/O processor card.

Failing Item:

- AJDGP01
 - AJDG301
 - IOACNFG
 - FI01104
-

27493100 27493100

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

27493101 27493101

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

27493102 27493102

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

27493103 27493103

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

27493109 27493109

Explanation: I/O processor timed out a device command

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

27493110 27493110

Explanation: I/O processor card detected interface error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

27493120 27493120

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS
-

27493121 27493121

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not

operational. Remove the device.

Failing Item:

- SVCDOCS

27493122 27493122

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27493123 27493123

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27493136 27493136

Explanation: The removable media device is assigned elsewhere

Failing Item:

- USER
- FI01105

27493140 27493140

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

27493141 27493141

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

27493142 27493142

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3122 reference code that occurred before it require no service action,

since SCSI bus 2 is now operational.

27493143 27493143

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

27493150 27493150

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

27493151 27493151

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

27493200 27493200

Explanation: A tape/CD or disk device reported a failure

Failing Item:

- FI01105
- STORIOA
- IOP
- MEDIA

27493203 27493203

Explanation: Disk media format bad

Failing Item:

- FI01105

27493205 27493205

Explanation: Disk sector read error

Response: Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item:

- FI01105

 27493215 27493215

Explanation: Disk sector read error

Response: Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item:

- FI01105
-

27493250 27493250

Explanation: Disk unit requires initialization before use.

Response: Perform a D-IPL and work on errors found in the log.

Failing Item:

- USER
-

27493300 27493300

Explanation: Storage unit detected a media problem

Failing Item:

- IOPIP01
 - MEDIA
 - FI00121
 - FI01141
-

27493400 27493400

Explanation: I/O processor card detected device error

Response: NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item:

- FI02112
 - STORIOA
 - FI01106
 - DEVTERM
 - FI01140
-

27493401 27493401

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
-

27493501 27493501

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

 27493600 27493600

Explanation: System log entry only, no service action required

27493601 27493601

Explanation: System log entry only, no service action required

27496070 27496070

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

27496071 27496071

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
-

27496072 27496072

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27496073 27496073

Explanation: IPL device not ready

Failing Item:

- MEDIA
 - FI01105
 - USER
-

27496075 27496075

Explanation: I/O processor resource not available

Failing Item:

- AJDGP01
-

27496076 27496076

Explanation: I/O processor card detected media error

Failing Item:

- MEDIA
 - AJDGP01
 - FI01105
-

27496081 27496081

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

27496082 27496082

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

27496083 27496083

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

27496085 27496085

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP
- MA_BRDG

27496200 27496200

Explanation: A permanent IOA hardware error occurred

Failing Item:

- FCIOA
- OPT_CLN

27496201 27496201

Explanation: IOA LID is not valid

Failing Item:

- AJDGP01

27496602 27496602

Explanation: An I/O processor Licensed Internal Code error occurred.

Failing Item:

- AJDGP01

27498000 27498000

Explanation: A permanent IOP or cache adapter card failure occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- STORIOA
- CACHE

27498002 27498002

Explanation: A permanent cache adapter card failure occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
- STORIOA

27498004 27498004

Explanation: Voltage drop detected on I/O processor 5 volt power supply.

Failing Item:

- FI01141
- STORIOA

27498005 27498005

Explanation: A recoverable IOP or cache adapter card error occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- STORIOA
- CACHE

27498007 27498007

Explanation: A recoverable cache adapter card error occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

27498010 27498010

Explanation: A permanent cache adapter card failure occurred.

Response: The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

27498011 27498011

Explanation: A permanent cache adapter card failure occurred.

Response: The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

27498100 27498100

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27498130 27498130

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

27498131 27498131

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

27498132 27498132

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action

is required. This reference code is logged for information only.

27498133 27498133

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

27498140 27498140

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

27498141 27498141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

27498145 27498145

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- STORIOA
-

27498146 27498146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105
-

27498150 27498150

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA
 - ANYBRDG
-

27498151 27498151

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - STORIOA
-

 27498155 27498155

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
 - STORIOA
-

27498156 27498156

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
 - STORIOA
-

27498157 27498157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS
-

27498200 27498200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27498300 27498300

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- STORIOA
 - IOP
 - AJDGP01
-

 27498301 27498301

Explanation: Not valid condition in I/O Processor Licensed Internal Code

Response: The Licensed Internal Code found a condition that should not have occurred.

Failing Item:

- FI01101
 - AJDGP01
 - IOP
-

27498400 27498400

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
-

27499000 27499000

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
 - STORIOA
-

27499001 27499001

Explanation: I/O processor card detected device configuration error

Failing Item:

- IOPIP33
-

27499002 27499002

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

27499008 27499008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- IOPIP25
-

 27499009 27499009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS
-

27499010 27499010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- IOPIP31
-

27499011 27499011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- IOPIP32
-

27499012 27499012

Explanation: IOP requires a cache adapter card but cannot find it.

Response: The cache adapter card is missing or broken.

Failing Item:

- IOPIP29
 - CACHE
-

27499013 27499013

Explanation: The IOP and attached cache adapter card are not compatible.

Failing Item:

- IOPIP19
-

27499020 27499020

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

27499021 27499021

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

 27499022 27499022

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27499023 27499023

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27499024 27499024

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27499025 27499025

Explanation: Disk unit is not supported at its physical location.

Failing Item:

- IOPIP21
-

27499026 27499026

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27499027 27499027

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP34
-

27499028 27499028

Explanation: Incorrect hardware configuration change has been detected.

Response: Reduce the number of arrays on IOP. Either move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item:

- SVCDOCS
-

 27499029 27499029

Explanation: Incorrect hardware configuration change has been detected.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS
-

2749902F 2749902F

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

27499030 27499030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- IOPIP21
-

27499031 27499031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

27499040 27499040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

27499041 27499041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- AJDGP01
-

27499050 27499050

Explanation: Required cache data cannot be located for a disk unit.

Failing Item:

- IOPIP30

 27499051 27499051

Explanation: IOP cache data exists for a missing or failed device.

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27
-

27499052 27499052

Explanation: Cache data exists for device that has been modified.

Failing Item:

- IOPIP28
-

27499053 27499053

Explanation: IOP resources not available due to previous problems.

Response: Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS
-

27499054 27499054

Explanation: IOP resources not available due to previous problems.

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS
-

27499081 27499081

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
- STORIOA

 27499082 27499082

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

27499090 27499090

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

27499091 27499091

Explanation: Incorrect hardware configuration change has been detected.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

27499092 27499092

Explanation: Disk unit requires initialization before use.

Failing Item:

- IOPIP26
-

2749B3B1 2749B3B1

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2749B3B2 2749B3B2

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2749B3B3 2749B3B3

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2749B3B4 2749B3B4

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2749B3B5 2749B3B5

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2749B3B6 2749B3B6

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2749B3B7 2749B3B7

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2749B3B8 2749B3B8

Explanation: Multi-adapter Bridge error detected

Failing Item:

- MA_BRDG
 - IOP
-

2749B3B9 2749B3B9

Explanation: A permanent I/O processor failure occurred

Failing Item:

2749B3E0 • 2749FF6D

- IOP

2749B3E0 2749B3E0

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
- MA_BRDG

2749B3E1 2749B3E1

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
- MA_BRDG

2749B410 2749B410

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA

2749B411 2749B411

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA

2749B412 2749B412

Explanation: Tape/CD or disk bus interface error occurred

Failing Item:

- IOPIP16
- FI01107
- FI01140
- STORIOA
- DEVTERM

2749B935 2749B935

Explanation: Unknown hardware detected

Failing Item:

- FI01101
- AJDGP01
- IOP
- MA_BRDG

2749BE00 2749BE00

Explanation: I/O processor detected a fault condition

Failing Item:

- AJDGP01
- IOP
- FI01104
- MA_BRDG

2749FF3D 2749FF3D

Explanation: I/O adapter detected recoverable error

Failing Item:

- STORIOA
- ANYBRDG

2749FF6D 2749FF6D

Explanation: I/O processor detected a recoverable system bus error

Failing Item:

- IOP
- ANYBUS

(2757) Reference codes

27571310 27571310

Explanation: I/O processor resource not available

Response: The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

27573006 27573006

Explanation: System bus error

Failing Item:

- IOP
 - ANYBUS
 - STORIOA
-

27573020 27573020

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

27573021 27573021

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

27573022 27573022

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
 - USER
 - FI01107
-

- STORIOA
-

27573023 27573023

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

27573100 27573100

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

27573101 27573101

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

27573102 27573102

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
-

27573103 • 27573151

- FI01140
- DEVBPLN

27573103 27573103

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP13
- FI01107
- STORIOA
- FI01140
- DEVBPLN

27573120 27573120

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27573121 27573121

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27573122 27573122

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27573123 27573123

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27573140 27573140

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

27573141 27573141

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

27573142 27573142

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3122 reference code that occurred before it require no service action, since SCSI bus 2 is now operational.

27573143 27573143

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

27573150 27573150

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

27573151 27573151

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

27573400 27573400

Explanation: I/O processor card detected device error

Failing Item:

- FI02112
 - STORIOA
 - FI01106
 - DEVTERM
 - FI01140
-

27573401 27573401

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
-

27573501 27573501

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27573600 27573600

Explanation: System log entry only, no service action required

27573601 27573601

Explanation: System log entry only, no service action required

27578008 27578008

Explanation: A permanent cache battery pack failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- CACHBAT
 - STORIOA
-

27578009 27578009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT
-

27578012 27578012

Explanation: Attached read cache devices exceed capacity supported by IOA

Response: Reduce the number of read caches on the IOA.

Failing Item:

- SVCDOCS
-

27578100 27578100

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27578130 27578130

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

27578131 27578131

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

27578132 27578132

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

27578133 27578133

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

27578140 27578140

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

27578141 27578141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

27578145 27578145

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- STORIOA

27578146 27578146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

27578150 27578150

Explanation: A permanent I/O processor failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- STORIOA
- ANYBRDG

27578151 27578151

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- STORIOA

27578155 27578155

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

27578156 27578156

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

27578157 27578157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.

2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS

27578200 27578200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

27579000 27579000

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
 - STORIOA
-

 27579001 27579001

Explanation: I/O processor card detected device configuration error

Failing Item:

- IOPIP33
-

27579002 27579002

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

27579008 27579008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- IOPIP25
-

27579009 27579009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS
-

27579010 27579010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- IOPIP31
-

27579011 27579011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- IOPIP32
-

27579020 27579020

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20

 27579021 27579021

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

27579022 27579022

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27579023 27579023

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27579024 27579024

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27579025 27579025

Explanation: Disk unit is not supported at its physical location.

Failing Item:

- IOPIP21
-

27579026 27579026

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27579027 27579027

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP34
-

27579028 27579028

Explanation: Incorrect hardware configuration change has been detected.

Response: Reduce the number of arrays on IOP. Either

27579029 • 27579053

move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item:

- SVCDOCS

27579029 27579029

Explanation: Incorrect hardware configuration change has been detected.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

2757902F 2757902F

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 array members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

27579030 27579030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- IOPIP21

27579031 27579031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

27579032 27579032

Explanation: A disk unit in a RAID array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- FI02112
- IOPIP21

27579040 27579040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

27579041 27579041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- AJDGP01

27579042 27579042

Explanation: An array parity error has been detected and corrected

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

27579050 27579050

Explanation: Required cache data cannot be located for a disk unit.

Failing Item:

- IOPIP30

27579051 27579051

Explanation: IOP cache data exists for a missing or failed device.

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27

27579052 27579052

Explanation: Cache data exists for device that has been modified.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

27579053 27579053

Explanation: IOP resources not available due to previous problems.

Response: Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a

type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS

27579054 27579054

Explanation: IOP resources not available due to previous problems.

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS

27579071 27579071

Explanation: Link from IOA to auxiliary cache IOA went operational

Response: No service action required.

27579072 27579072

Explanation: Link from IOA to auxiliary cache IOA went non-operational

Response: No service action required.

27579073 27579073

Explanation: Incompatible or non-operational auxiliary cache IOA attached

Failing Item:

- IOPIP40

27579081 27579081

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
- STORIOA

27579082 27579082

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140

- BACKPLN
- FI01106

27579090 27579090

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

27579091 27579091

Explanation: Incorrect hardware configuration change has been detected.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

27579092 27579092

Explanation: Disk unit requires initialization before use.

Failing Item:

- IOPIP26

27579093 27579093

Explanation: Read cache device not in correct format

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

2757B934 2757B934

Explanation: Incompatible hardware detected.

Failing Item:

- STORIOA

2757FF3D 2757FF3D

Explanation: I/O adapter detected recoverable error

Failing Item:

- STORIOA

2757FF6D

- ANYBRDG

2757FF6D 2757FF6D

Explanation: I/O processor detected a recoverable system bus error

Failing Item:

- IOP
- ANYBUS

(2760) Reference codes

2760B950 2760B950

Explanation: Licensed Internal Code error

Failing Item:

- AJDGP01
- FI00718
- FI00719

2760B951 2760B951

Explanation: I/O adapter hardware error detected

Failing Item:

- FI00719
- FI00718
- AJDGP01
- MA_BRDG

(2763) Reference codes

27631310 27631310

Explanation: I/O processor resource not available

Response: The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

27633006 27633006

Explanation: System bus error

Failing Item:

- IOP
 - ANYBUS
 - STORIOA
-

27633020 27633020

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

27633021 27633021

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

27633022 27633022

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
 - USER
 - FI01107
-

- STORIOA
-

27633023 27633023

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

27633100 27633100

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

27633101 27633101

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

27633102 27633102

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
-

27633103 • 27633151

- FI01140
- DEVBPLN

27633103 27633103

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP13
- FI01107
- STORIOA
- FI01140
- DEVBPLN

27633120 27633120

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27633121 27633121

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27633122 27633122

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27633123 27633123

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27633140 27633140

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

27633141 27633141

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

27633142 27633142

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3122 reference code that occurred before it require no service action, since SCSI bus 2 is now operational.

27633143 27633143

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

27633150 27633150

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

27633151 27633151

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

 27633400 27633400

Explanation: I/O processor card detected device error

Failing Item:

- FI02112
 - STORIOA
 - FI01106
 - DEVTERM
 - FI01140
-

27633401 27633401

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
-

27633501 27633501

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27633600 27633600

Explanation: System log entry only, no service action required

27633601 27633601

Explanation: System log entry only, no service action required

27638008 27638008

Explanation: A permanent cache battery pack failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- CACHBAT
 - STORIOA
-

27638009 27638009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT
-

27638012 27638012

Explanation: Attached read cache devices exceed capacity supported by IOA

Response: Reduce the number of read caches on the IOA.

Failing Item:

- SVCDOCS
-

27638100 27638100

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27638130 27638130

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

27638131 27638131

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

27638132 27638132

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

27638133 27638133

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

27638140 **27638140**

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

27638141 **27638141**

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

27638145 **27638145**

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- STORIOA

27638146 **27638146**

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

27638150 **27638150**

Explanation: A permanent I/O processor failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- STORIOA
- ANYBRDG

27638151 **27638151**

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- STORIOA

27638155 **27638155**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

27638156 **27638156**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

27638157 **27638157**

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS

27638200 **27638200**

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

27639000 **27639000**

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
 - STORIOA
-

 27639001 27639001

Explanation: I/O processor card detected device configuration error

Failing Item:

- IOPIP33
-

27639002 27639002

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

27639008 27639008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- IOPIP25
-

27639009 27639009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS
-

27639010 27639010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- IOPIP31
-

27639011 27639011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- IOPIP32
-

27639020 27639020

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20

 27639021 27639021

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

27639022 27639022

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27639023 27639023

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27639024 27639024

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27639025 27639025

Explanation: Disk unit is not supported at its physical location.

Failing Item:

- IOPIP21
-

27639026 27639026

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27639027 27639027

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP34
-

27639028 27639028

Explanation: Incorrect hardware configuration change has been detected.

Response: Reduce the number of arrays on IOP. Either

27639029 • 27639053

move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item:

- SVCDOCS

27639029 27639029

Explanation: Incorrect hardware configuration change has been detected.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

2763902F 2763902F

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 array members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

27639030 27639030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- IOPIP21

27639031 27639031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

27639032 27639032

Explanation: A disk unit in a RAID array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- FI02112
- IOPIP21

27639040 27639040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

27639041 27639041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- AJDGP01

27639042 27639042

Explanation: An array parity error has been detected and corrected

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

27639050 27639050

Explanation: Required cache data cannot be located for a disk unit.

Failing Item:

- IOPIP30

27639051 27639051

Explanation: IOP cache data exists for a missing or failed device.

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27

27639052 27639052

Explanation: Cache data exists for device that has been modified.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

27639053 27639053

Explanation: IOP resources not available due to previous problems.

Response: Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a

type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS

27639054 27639054

Explanation: IOP resources not available due to previous problems.

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS

27639071 27639071

Explanation: Link from IOA to auxiliary cache IOA went operational

Response: No service action required.

27639072 27639072

Explanation: Link from IOA to auxiliary cache IOA went non-operational

Response: No service action required.

27639073 27639073

Explanation: Incompatible or non-operational auxiliary cache IOA attached

Failing Item:

- IOPIP40

27639081 27639081

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
- STORIOA

27639082 27639082

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140

- BACKPLN
- FI01106

27639090 27639090

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

27639091 27639091

Explanation: Incorrect hardware configuration change has been detected.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

27639092 27639092

Explanation: Disk unit requires initialization before use.

Failing Item:

- IOPIP26

27639093 27639093

Explanation: Read cache device not in correct format

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

2763B934 2763B934

Explanation: Incompatible hardware detected.

Failing Item:

- STORIOA

2763FF3D 2763FF3D

Explanation: I/O adapter detected recoverable error

Failing Item:

- STORIOA

2763FF6D

- ANYBRDG

2763FF6D 2763FF6D

Explanation: I/O processor detected a recoverable system bus error

Failing Item:

- IOP
- ANYBUS

(2765) Reference codes

27651310 27651310

Explanation: I/O processor or I/O adapter resource not available

Response: The I/O processor or I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

27653020 27653020

Explanation: I/O processor detected a configuration error

Response: Either too many devices or the wrong kind of devices have been configured under the IOA. Change the configuration.

Failing Item:

- SVCDOCS
-

27653100 27653100

Explanation: I/O processor card detected interface error.

Failing Item:

- FCINTF
 - ANYFC
 - FCIOA
 - OPT_CLN
-

27653120 27653120

Explanation: I/O processor detected a port failure.

Failing Item:

- FCPORT
 - FCIOA
 - FCDEV
 - OPT_CLN
-

27653140 27653140

Explanation: I/O Processor detected that a port is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

27653200 27653200

Explanation: A disk device reported a failure

Failing Item:

- FCDEV
 - FCIOA
 - IOP
 - OPT_CLN
-

27653400 27653400

Explanation: I/O processor card detected device error

Failing Item:

- FCDEV
 - FCINTF
 - ANYFC
 - FCIOA
 - OPT_CLN
-

276534FF 276534FF

Explanation: Format in progress

Response: The device indicated that a format is in progress. When the format is complete, the device should be useable. No action is required. This reference code is logged for information only.

27658130 27658130

Explanation: Recovered Fibre Channel interface error

Response: No action required. This reference code is logged for information only.

27658140 27658140

Explanation: Recovered Fibre Channel interface error

Response: No action required. This reference code is logged for information only.

27658141 27658141

Explanation: IOA detected recoverable device error

Response: No action required. This reference code is logged for information only.

27658145 27658145

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- FCIOA
- OPT_CLN

 27658146 27658146

Explanation: Disk device detected recoverable error

Failing Item:

- FCDEV
-

27658150 27658150

Explanation: A permanent I/O processor failure occurred

Failing Item:

- FCIOA
 - ANYBRDG
 - OPT_CLN
-

27658151 27658151

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - FCIOA
 - IOP
 - OPT_CLN
-

27658155 27658155

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
 - FCIOA
 - OPT_CLN
-

27658156 27658156

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
 - FCIOA
 - OPT_CLN
-

27659091 27659091

Explanation: Incorrect hardware configuration change has been detected.

Response: Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see Debug the resource. If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

27659092 27659092

Explanation: Incorrect hardware configuration change has been detected.

Response: Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see Debug the resource. If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

2765FF3D 2765FF3D

Explanation: Recovered IOA error

Failing Item:

- FCIOA
- ANYBRDG
- OPT_CLN

(2766) Reference codes

27661310 27661310

Explanation: I/O processor or I/O adapter resource not available

Response: The I/O processor or I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

27663020 27663020

Explanation: I/O processor detected a configuration error

Response: Either too many devices or the wrong kind of devices have been configured under the IOA. Change the configuration.

Failing Item:

- SVCDOCS

27663100 27663100

Explanation: I/O processor card detected interface error.

Failing Item:

- FCINTF
- ANYFC
- FCIOA
- OPT_CLN

27663120 27663120

Explanation: I/O processor detected a port failure.

Failing Item:

- FCPORT
- FCIOA
- FCDEV
- OPT_CLN

27663140 27663140

Explanation: I/O Processor detected that a port is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

27663200 27663200

Explanation: A disk device reported a failure

Failing Item:

- FCDEV
- FCIOA
- IOP
- OPT_CLN

27663400 27663400

Explanation: I/O processor card detected device error

Failing Item:

- FCDEV
- FCINTF
- ANYFC
- FCIOA
- OPT_CLN

276634FF 276634FF

Explanation: Format in progress

Response: The device indicated that a format is in progress. When the format is complete, the device should be useable. No action is required. This reference code is logged for information only.

27668130 27668130

Explanation: Recovered Fibre Channel interface error

Response: No action required. This reference code is logged for information only.

27668140 27668140

Explanation: Recovered Fibre Channel interface error

Response: No action required. This reference code is logged for information only.

27668141 27668141

Explanation: IOA detected recoverable device error

Response: No action required. This reference code is logged for information only.

27668145 27668145

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- FCIOA
- OPT_CLN

 27668146 27668146

Explanation: Disk device detected recoverable error

Failing Item:

- FCDEV
-

27668150 27668150

Explanation: A permanent I/O processor failure occurred

Failing Item:

- FCIOA
 - ANYBRDG
 - OPT_CLN
-

27668151 27668151

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - FCIOA
 - IOP
 - OPT_CLN
-

27668155 27668155

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
 - FCIOA
 - OPT_CLN
-

27668156 27668156

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
 - FCIOA
 - OPT_CLN
-

27669091 27669091

Explanation: Incorrect hardware configuration change has been detected.

Response: Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see Debug the resource. If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

27669092 27669092

Explanation: Incorrect hardware configuration change has been detected.

Response: Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see Debug the resource. If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

2766FF3D 2766FF3D

Explanation: Recovered IOA error

Failing Item:

- FCIOA
- ANYBRDG
- OPT_CLN

(2767) Reference codes

27670A17 27670A17

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
 - MA_BRDG
 - AJDGP01
 - AJDG301
-

27670A22 27670A22

Explanation: I/O processor detected a storage transfer error

Failing Item:

- AJDGP01
 - AJDG301
 - IOP
 - MA_BRDG
-

2767102E 2767102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- FI01105
-

27671306 27671306

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- AJDGP01
 - IOP
 - FI01104
 - BACKPLN
-

27671307 27671307

Explanation: I/O processor resource not available

Failing Item:

- AJDGP01
 - AJDG301
-

27671310 27671310

Explanation: I/O processor resource not available

Response: The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

27671317 27671317

Explanation: I/O processor card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates IOP, then replace the IOP. If the Failing Item indicates SVCDOCS, then do NOT replace the IOP. This is a recoverable error. Perform the following:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS
-

27672200 27672200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
-

27672201 27672201

Explanation: Removable media error during IPL

Failing Item:

- USER
 - FI01105
-

27672202 27672202

Explanation: Removable media error during IPL

Failing Item:

- FI00022
 - FI01105
-

27673000 27673000

Explanation: A permanent I/O processor failure occurred

Failing Item:

27673001 • 27673084

- FI01101
- IOP
- MA_BRDG

27673001 27673001

Explanation: Not valid condition in I/O Processor Licensed Internal Code

Response: The Licensed Internal Code found a condition that should not have occurred.

Failing Item:

- IOP
- AJDGP01

27673002 27673002

Explanation: Addressed device failed to respond to selection

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- FI01141
- FI01106

27673006 27673006

Explanation: System bus error

Failing Item:

- IOP
- ANYBUS
- FI01101

27673020 27673020

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

27673021 27673021

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

27673022 27673022

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

27673023 27673023

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

27673080 27673080

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01

27673081 27673081

Explanation: System log entry only, no service action required

27673084 27673084

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- AJDGP01
- IOP
- FI01104
- MA_BRDG

 27673087 27673087

Explanation: I/O processor resource not available

Response: The Licensed Internal Code could not allocate resources on the I/O processor card.

Failing Item:

- AJDGP01
 - AJDG301
 - IOACNFG
 - FI01104
-

27673100 27673100

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

27673101 27673101

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

27673102 27673102

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

 27673103 27673103

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

27673109 27673109

Explanation: I/O processor timed out a device command

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

27673110 27673110

Explanation: I/O processor card detected interface error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

27673120 27673120

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS
-

27673121 27673121

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not

operational. Remove the device.

Failing Item:

- SVCDOCS

27673122 27673122

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27673123 27673123

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27673136 27673136

Explanation: The removable media device is assigned elsewhere

Failing Item:

- USER
- FI01105

27673140 27673140

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

27673141 27673141

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

27673142 27673142

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3122 reference code that occurred before it require no service action,

since SCSI bus 2 is now operational.

27673143 27673143

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

27673150 27673150

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

27673151 27673151

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

27673200 27673200

Explanation: A tape/CD or disk device reported a failure

Failing Item:

- FI01105
- STORIOA
- IOP
- MEDIA

27673203 27673203

Explanation: Disk media format bad

Failing Item:

- FI01105

27673205 27673205

Explanation: Disk sector read error

Response: Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item:

- FI01105

 27673215 27673215

Explanation: Disk sector read error

Response: Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item:

- FI01105
-

27673250 27673250

Explanation: Disk unit requires initialization before use.

Response: Perform a D-IPL and work on errors found in the log.

Failing Item:

- USER
-

27673300 27673300

Explanation: Storage unit detected a media problem

Failing Item:

- IOPIP01
 - MEDIA
 - FI00121
 - FI01141
-

27673400 27673400

Explanation: I/O processor card detected device error

Response: NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item:

- FI02112
 - STORIOA
 - FI01106
 - DEVTERM
 - FI01140
-

27673401 27673401

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
-

27673501 27673501

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

 27673600 27673600

Explanation: System log entry only, no service action required

27673601 27673601

Explanation: System log entry only, no service action required

27676070 27676070

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

27676071 27676071

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
-

27676072 27676072

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27676073 27676073

Explanation: IPL device not ready

Failing Item:

- MEDIA
 - FI01105
 - USER
-

27676075 27676075

Explanation: I/O processor resource not available

Failing Item:

- AJDGP01
-

27676076 27676076

Explanation: I/O processor card detected media error

Failing Item:

- MEDIA
 - AJDGP01
 - FI01105
-

 27676081 27676081

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27676082 27676082

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27676083 27676083

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27676085 27676085

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
 - MA_BRDG
-

27676200 27676200

Explanation: A permanent IOA hardware error occurred

Failing Item:

- FCIOA
 - OPT_CLN
-

27676201 27676201

Explanation: IOA LID is not valid

Failing Item:

- AJDGP01
-

27676602 27676602

Explanation: An I/O processor Licensed Internal Code error occurred.

Failing Item:

- AJDGP01
-

 27678000 27678000

Explanation: A permanent IOP or cache adapter card failure occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- STORIOA
 - CACHE
-

27678002 27678002

Explanation: A permanent cache adapter card failure occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

27678004 27678004

Explanation: Voltage drop detected on I/O processor 5 volt power supply.

Failing Item:

- FI01141
 - STORIOA
-

27678005 27678005

Explanation: A recoverable IOP or cache adapter card error occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- STORIOA
 - CACHE
-

27678007 27678007

Explanation: A recoverable cache adapter card error occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

27678010 27678010

Explanation: A permanent cache adapter card failure occurred.

Response: The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

27678011 27678011

Explanation: A permanent cache adapter card failure occurred.

Response: The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

27678100 27678100

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27678130 27678130

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

27678131 27678131

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

27678132 27678132

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action

is required. This reference code is logged for information only.

27678133 27678133

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

27678140 27678140

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

27678141 27678141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

27678145 27678145

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- STORIOA
-

27678146 27678146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105
-

27678150 27678150

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA
 - ANYBRDG
-

27678151 27678151

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - STORIOA
-

 27678155 27678155

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
 - STORIOA
-

27678156 27678156

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
 - STORIOA
-

27678157 27678157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS
-

27678200 27678200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27678300 27678300

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- STORIOA
 - IOP
 - AJDGP01
-

 27678301 27678301

Explanation: Not valid condition in I/O Processor Licensed Internal Code

Response: The Licensed Internal Code found a condition that should not have occurred.

Failing Item:

- FI01101
 - AJDGP01
 - IOP
-

27678400 27678400

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
-

27679000 27679000

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
 - STORIOA
-

27679001 27679001

Explanation: I/O processor card detected device configuration error

Failing Item:

- IOPIP33
-

27679002 27679002

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

27679008 27679008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- IOPIP25
-

 27679009 27679009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS
-

27679010 27679010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- IOPIP31
-

27679011 27679011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- IOPIP32
-

27679012 27679012

Explanation: IOP requires a cache adapter card but cannot find it.

Response: The cache adapter card is missing or broken.

Failing Item:

- IOPIP29
 - CACHE
-

27679013 27679013

Explanation: The IOP and attached cache adapter card are not compatible.

Failing Item:

- IOPIP19
-

27679020 27679020

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

27679021 27679021

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

 27679022 27679022

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27679023 27679023

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27679024 27679024

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27679025 27679025

Explanation: Disk unit is not supported at its physical location.

Failing Item:

- IOPIP21
-

27679026 27679026

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27679027 27679027

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP34
-

27679028 27679028

Explanation: Incorrect hardware configuration change has been detected.

Response: Reduce the number of arrays on IOP. Either move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item:

- SVCDOCS
-

 27679029 27679029

Explanation: Incorrect hardware configuration change has been detected.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS
-

2767902F 2767902F

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

27679030 27679030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- IOPIP21
-

27679031 27679031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

27679040 27679040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

27679041 27679041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- AJDGP01
-

27679050 27679050

Explanation: Required cache data cannot be located for a disk unit.

Failing Item:

- IOPIP30

 27679051 27679051

Explanation: IOP cache data exists for a missing or failed device.

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27
-

27679052 27679052

Explanation: Cache data exists for device that has been modified.

Failing Item:

- IOPIP28
-

27679053 27679053

Explanation: IOP resources not available due to previous problems.

Response: Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS
-

27679054 27679054

Explanation: IOP resources not available due to previous problems.

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS
-

27679081 27679081

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
- STORIOA

 27679082 27679082

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

27679090 27679090

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

27679091 27679091

Explanation: Incorrect hardware configuration change has been detected.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

27679092 27679092

Explanation: Disk unit requires initialization before use.

Failing Item:

- IOPIP26
-

2767B3B1 2767B3B1

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2767B3B2 2767B3B2

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2767B3B3 2767B3B3

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2767B3B4 2767B3B4

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2767B3B5 2767B3B5

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2767B3B6 2767B3B6

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2767B3B7 2767B3B7

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2767B3B8 2767B3B8

Explanation: Multi-adapter Bridge error detected

Failing Item:

- MA_BRDG
 - IOP
-

2767B3B9 2767B3B9

Explanation: A permanent I/O processor failure occurred

Failing Item:

2767B3E0 • 2767FF6D

- IOP

2767B3E0 2767B3E0

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
- MA_BRDG

2767B3E1 2767B3E1

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
- MA_BRDG

2767B410 2767B410

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA

2767B411 2767B411

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA

2767B412 2767B412

Explanation: Tape/CD or disk bus interface error occurred

Failing Item:

- IOPIP16
- FI01107
- FI01140
- STORIOA
- DEVTERM

2767B935 2767B935

Explanation: Unknown hardware detected

Failing Item:

- FI01101
- AJDGP01
- IOP
- MA_BRDG

2767BE00 2767BE00

Explanation: I/O processor detected a fault condition

Failing Item:

- AJDGP01
- IOP
- FI01104
- MA_BRDG

2767FF3D 2767FF3D

Explanation: I/O adapter detected recoverable error

Failing Item:

- STORIOA
- ANYBRDG

2767FF6D 2767FF6D

Explanation: I/O processor detected a recoverable system bus error

Failing Item:

- IOP
- ANYBUS

(2768) Reference codes

27680A17 27680A17

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
 - MA_BRDG
 - AJDGP01
 - AJDG301
-

27680A22 27680A22

Explanation: I/O processor detected a storage transfer error

Failing Item:

- AJDGP01
 - AJDG301
 - IOP
 - MA_BRDG
-

2768102E 2768102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- FI01105
-

27681306 27681306

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- AJDGP01
 - IOP
 - FI01104
 - BACKPLN
-

27681307 27681307

Explanation: I/O processor resource not available

Failing Item:

- AJDGP01
 - AJDG301
-

27681310 27681310

Explanation: I/O processor resource not available

Response: The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

27681317 27681317

Explanation: I/O processor card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates IOP, then replace the IOP. If the Failing Item indicates SVCDOCS, then do NOT replace the IOP. This is a recoverable error. Perform the following:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS
-

27682200 27682200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
-

27682201 27682201

Explanation: Removable media error during IPL

Failing Item:

- USER
 - FI01105
-

27682202 27682202

Explanation: Removable media error during IPL

Failing Item:

- FI00022
 - FI01105
-

27683000 27683000

Explanation: A permanent I/O processor failure occurred

Failing Item:

27683001 • 27683084

- FI01101
- IOP
- MA_BRDG

27683001 27683001

Explanation: Not valid condition in I/O Processor Licensed Internal Code

Response: The Licensed Internal Code found a condition that should not have occurred.

Failing Item:

- IOP
- AJDGP01

27683002 27683002

Explanation: Addressed device failed to respond to selection

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- FI01141
- FI01106

27683006 27683006

Explanation: System bus error

Failing Item:

- IOP
- ANYBUS
- FI01101

27683020 27683020

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

27683021 27683021

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

27683022 27683022

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

27683023 27683023

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

27683080 27683080

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01

27683081 27683081

Explanation: System log entry only, no service action required

27683084 27683084

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- AJDGP01
- IOP
- FI01104
- MA_BRDG

 27683087 27683087

Explanation: I/O processor resource not available

Response: The Licensed Internal Code could not allocate resources on the I/O processor card.

Failing Item:

- AJDGP01
 - AJDG301
 - IOACNFG
 - FI01104
-

27683100 27683100

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

27683101 27683101

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

27683102 27683102

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

27683103 27683103

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

27683109 27683109

Explanation: I/O processor timed out a device command

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

27683110 27683110

Explanation: I/O processor card detected interface error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

27683120 27683120

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS
-

27683121 27683121

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not

27683122 • 27683205

operational. Remove the device.

Failing Item:

- SVCDOCS

27683122 27683122

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27683123 27683123

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27683136 27683136

Explanation: The removable media device is assigned elsewhere

Failing Item:

- USER
- FI01105

27683140 27683140

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

27683141 27683141

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

27683142 27683142

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3122 reference code that occurred before it require no service action,

since SCSI bus 2 is now operational.

27683143 27683143

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

27683150 27683150

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

27683151 27683151

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

27683200 27683200

Explanation: A tape/CD or disk device reported a failure

Failing Item:

- FI01105
- STORIOA
- IOP
- MEDIA

27683203 27683203

Explanation: Disk media format bad

Failing Item:

- FI01105

27683205 27683205

Explanation: Disk sector read error

Response: Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item:

- FI01105

 27683215 27683215

Explanation: Disk sector read error

Response: Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item:

- FI01105
-

27683250 27683250

Explanation: Disk unit requires initialization before use.

Response: Perform a D-IPL and work on errors found in the log.

Failing Item:

- USER
-

27683300 27683300

Explanation: Storage unit detected a media problem

Failing Item:

- IOPIP01
 - MEDIA
 - FI00121
 - FI01141
-

27683400 27683400

Explanation: I/O processor card detected device error

Response: NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item:

- FI02112
 - STORIOA
 - FI01106
 - DEVTERM
 - FI01140
-

27683401 27683401

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
-

27683501 27683501

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

 27683600 27683600

Explanation: System log entry only, no service action required

27683601 27683601

Explanation: System log entry only, no service action required

27686070 27686070

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

27686071 27686071

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
-

27686072 27686072

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27686073 27686073

Explanation: IPL device not ready

Failing Item:

- MEDIA
 - FI01105
 - USER
-

27686075 27686075

Explanation: I/O processor resource not available

Failing Item:

- AJDGP01
-

27686076 27686076

Explanation: I/O processor card detected media error

Failing Item:

- MEDIA
- AJDGP01
- FI01105

 27686081 27686081

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27686082 27686082

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27686083 27686083

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27686085 27686085

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
 - MA_BRDG
-

27686200 27686200

Explanation: A permanent IOA hardware error occurred

Failing Item:

- FCIOA
 - OPT_CLN
-

27686201 27686201

Explanation: IOA LID is not valid

Failing Item:

- AJDGP01
-

27686602 27686602

Explanation: An I/O processor Licensed Internal Code error occurred.

Failing Item:

- AJDGP01
-

 27688000 27688000

Explanation: A permanent IOP or cache adapter card failure occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- STORIOA
 - CACHE
-

27688002 27688002

Explanation: A permanent cache adapter card failure occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

27688004 27688004

Explanation: Voltage drop detected on I/O processor 5 volt power supply.

Failing Item:

- FI01141
 - STORIOA
-

27688005 27688005

Explanation: A recoverable IOP or cache adapter card error occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- STORIOA
 - CACHE
-

27688007 27688007

Explanation: A recoverable cache adapter card error occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

27688010 27688010

Explanation: A permanent cache adapter card failure occurred.

Response: The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

27688011 27688011

Explanation: A permanent cache adapter card failure occurred.

Response: The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

27688100 27688100

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27688130 27688130

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

27688131 27688131

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

27688132 27688132

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action

is required. This reference code is logged for information only.

27688133 27688133

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

27688140 27688140

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

27688141 27688141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

27688145 27688145

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- STORIOA
-

27688146 27688146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105
-

27688150 27688150

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA
 - ANYBRDG
-

27688151 27688151

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - STORIOA
-

27688155 27688155

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

27688156 27688156

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

27688157 27688157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS

27688200 27688200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

27688300 27688300

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- STORIOA
- IOP
- AJDGP01

27688301 27688301

Explanation: Not valid condition in I/O Processor Licensed Internal Code

Response: The Licensed Internal Code found a condition that should not have occurred.

Failing Item:

- FI01101
- AJDGP01
- IOP

27688400 27688400

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01

27689000 27689000

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
- STORIOA

27689001 27689001

Explanation: I/O processor card detected device configuration error

Failing Item:

- IOPIP33

27689002 27689002

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- BACKPLN
- FI01106

27689008 27689008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- IOPIP25
-

 27689009 27689009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS
-

27689010 27689010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- IOPIP31
-

27689011 27689011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- IOPIP32
-

27689012 27689012

Explanation: IOP requires a cache adapter card but cannot find it.

Response: The cache adapter card is missing or broken.

Failing Item:

- IOPIP29
 - CACHE
-

27689013 27689013

Explanation: The IOP and attached cache adapter card are not compatible.

Failing Item:

- IOPIP19
-

27689020 27689020

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

27689021 27689021

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

 27689022 27689022

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27689023 27689023

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27689024 27689024

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27689025 27689025

Explanation: Disk unit is not supported at its physical location.

Failing Item:

- IOPIP21
-

27689026 27689026

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27689027 27689027

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP34
-

27689028 27689028

Explanation: Incorrect hardware configuration change has been detected.

Response: Reduce the number of arrays on IOP. Either move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item:

- SVCDOCS
-

 27689029 27689029

Explanation: Incorrect hardware configuration change has been detected.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS
-

2768902F 2768902F

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

27689030 27689030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- IOPIP21
-

27689031 27689031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

27689040 27689040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

27689041 27689041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- AJDGP01
-

27689050 27689050

Explanation: Required cache data cannot be located for a disk unit.

Failing Item:

- IOPIP30

 27689051 27689051

Explanation: IOP cache data exists for a missing or failed device.

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27
-

27689052 27689052

Explanation: Cache data exists for device that has been modified.

Failing Item:

- IOPIP28
-

27689053 27689053

Explanation: IOP resources not available due to previous problems.

Response: Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS
-

27689054 27689054

Explanation: IOP resources not available due to previous problems.

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS
-

27689081 27689081

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
- STORIOA

 27689082 27689082

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

27689090 27689090

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

27689091 27689091

Explanation: Incorrect hardware configuration change has been detected.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

27689092 27689092

Explanation: Disk unit requires initialization before use.

Failing Item:

- IOPIP26
-

2768B3B1 2768B3B1

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2768B3B2 2768B3B2

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2768B3B3 2768B3B3

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2768B3B4 2768B3B4

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2768B3B5 2768B3B5

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2768B3B6 2768B3B6

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2768B3B7 2768B3B7

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2768B3B8 2768B3B8

Explanation: Multi-adapter Bridge error detected

Failing Item:

- MA_BRDG
 - IOP
-

2768B3B9 2768B3B9

Explanation: A permanent I/O processor failure occurred

Failing Item:

2768B3E0 • 2768FF6D

- IOP

2768B3E0 2768B3E0

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
- MA_BRDG

2768B3E1 2768B3E1

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
- MA_BRDG

2768B410 2768B410

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA

2768B411 2768B411

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA

2768B412 2768B412

Explanation: Tape/CD or disk bus interface error occurred

Failing Item:

- IOPIP16
- FI01107
- FI01140
- STORIOA
- DEVTERM

2768B935 2768B935

Explanation: Unknown hardware detected

Failing Item:

- FI01101
- AJDGP01
- IOP
- MA_BRDG

2768BE00 2768BE00

Explanation: I/O processor detected a fault condition

Failing Item:

- AJDGP01
- IOP
- FI01104
- MA_BRDG

2768FF3D 2768FF3D

Explanation: I/O adapter detected recoverable error

Failing Item:

- STORIOA
- ANYBRDG

2768FF6D 2768FF6D

Explanation: I/O processor detected a recoverable system bus error

Failing Item:

- IOP
- ANYBUS

(2771) Reference codes

2771B904 2771B904

Explanation: I/O Adapter Licensed Internal Code failed

Failing Item:

- AJDGP01
- FI00719

2771B934 2771B934

Explanation: Incompatible hardware detected.

Failing Item:

- FI00719
- FI00718

2771B940 2771B940

Explanation: I/O adapter hardware error detected.

Failing Item:

- FI00719
- FI00718
- AJDGP01
- MA_BRDG

2771B941 2771B941

Explanation: One half of I/O adapter failed.

Failing Item:

- FI00719
- FI00718
- AJDGP01

2771B942 2771B942

Explanation: One half of I/O adapter failed.

Failing Item:

- FI00719
- FI00718
- AJDGP01

(2772) Reference codes

2772B904 2772B904

Explanation: I/O Adapter Licensed Internal Code failed

Failing Item:

- AJDGP01
- FI00719

2772B934 2772B934

Explanation: Incompatible hardware detected.

Failing Item:

- FI00719
- FI00718

2772B940 2772B940

Explanation: I/O adapter hardware error detected.

Failing Item:

- FI00719
- FI00718
- AJDGP01
- MA_BRDG

2772B941 2772B941

Explanation: One half of I/O adapter failed.

Failing Item:

- FI00719
- FI00718
- AJDGP01

2772B942 2772B942

Explanation: One half of I/O adapter failed.

Failing Item:

- FI00719
- FI00718
- AJDGP01

(2780) Reference codes

27801310 27801310

Explanation: I/O processor resource not available

Response: The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

27803006 27803006

Explanation: System bus error

Failing Item:

- IOP
 - ANYBUS
 - STORIOA
-

27803020 27803020

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

27803021 27803021

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

27803022 27803022

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
 - USER
 - FI01107
-

- STORIOA
-

27803023 27803023

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

27803100 27803100

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

27803101 27803101

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

27803102 27803102

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
-

27803103 • 27803151

- FI01140
- DEVBPLN

27803103 27803103

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP13
- FI01107
- STORIOA
- FI01140
- DEVBPLN

27803120 27803120

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27803121 27803121

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27803122 27803122

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27803123 27803123

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27803140 27803140

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

27803141 27803141

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

27803142 27803142

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3122 reference code that occurred before it require no service action, since SCSI bus 2 is now operational.

27803143 27803143

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

27803150 27803150

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

27803151 27803151

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

27803400 27803400

Explanation: I/O processor card detected device error

Failing Item:

- FI02112
 - STORIOA
 - FI01106
 - DEVTERM
 - FI01140
-

27803401 27803401

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
-

27803501 27803501

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27803600 27803600

Explanation: System log entry only, no service action required

27803601 27803601

Explanation: System log entry only, no service action required

27808008 27808008

Explanation: A permanent cache battery pack failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- CACHBAT
 - STORIOA
-

27808009 27808009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT
-

27808012 27808012

Explanation: Attached read cache devices exceed capacity supported by IOA

Response: Reduce the number of read caches on the IOA.

Failing Item:

- SVCDOCS
-

27808100 27808100

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27808130 27808130

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

27808131 27808131

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

27808132 27808132

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

27808133 27808133

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

27808140 27808140

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

27808141 27808141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

27808145 27808145

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- STORIOA

27808146 27808146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

27808150 27808150

Explanation: A permanent I/O processor failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- STORIOA
- ANYBRDG

27808151 27808151

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- STORIOA

27808155 27808155

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

27808156 27808156

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

27808157 27808157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS

27808200 27808200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

27809000 27809000

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
 - STORIOA
-

 27809001 27809001

Explanation: I/O processor card detected device configuration error

Failing Item:

- IOPIP33
-

27809002 27809002

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

27809008 27809008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- IOPIP25
-

27809009 27809009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS
-

27809010 27809010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- IOPIP31
-

27809011 27809011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- IOPIP32
-

27809020 27809020

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20

 27809021 27809021

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

27809022 27809022

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27809023 27809023

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27809024 27809024

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27809025 27809025

Explanation: Disk unit is not supported at its physical location.

Failing Item:

- IOPIP21
-

27809026 27809026

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27809027 27809027

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP34
-

27809028 27809028

Explanation: Incorrect hardware configuration change has been detected.

Response: Reduce the number of arrays on IOP. Either

27809029 • 27809053

move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item:

- SVCDOCS

27809029 27809029

Explanation: Incorrect hardware configuration change has been detected.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

2780902F 2780902F

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 array members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

27809030 27809030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- IOPIP21

27809031 27809031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

27809032 27809032

Explanation: A disk unit in a RAID array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- FI02112
- IOPIP21

27809040 27809040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

27809041 27809041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- AJDGP01

27809042 27809042

Explanation: An array parity error has been detected and corrected

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

27809050 27809050

Explanation: Required cache data cannot be located for a disk unit.

Failing Item:

- IOPIP30

27809051 27809051

Explanation: IOP cache data exists for a missing or failed device.

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27

27809052 27809052

Explanation: Cache data exists for device that has been modified.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

27809053 27809053

Explanation: IOP resources not available due to previous problems.

Response: Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a

type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS

27809054 27809054

Explanation: IOP resources not available due to previous problems.

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS

27809071 27809071

Explanation: Link from IOA to auxiliary cache IOA went operational

Response: No service action required.

27809072 27809072

Explanation: Link from IOA to auxiliary cache IOA went non-operational

Response: No service action required.

27809073 27809073

Explanation: Incompatible or non-operational auxiliary cache IOA attached

Failing Item:

- IOPIP40

27809081 27809081

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
- STORIOA

27809082 27809082

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140

- BACKPLN
- FI01106

27809090 27809090

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

27809091 27809091

Explanation: Incorrect hardware configuration change has been detected.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

27809092 27809092

Explanation: Disk unit requires initialization before use.

Failing Item:

- IOPIP26

27809093 27809093

Explanation: Read cache device not in correct format

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

2780B934 2780B934

Explanation: Incompatible hardware detected.

Failing Item:

- STORIOA

2780FF3D 2780FF3D

Explanation: I/O adapter detected recoverable error

Failing Item:

- STORIOA

2780FF6D

- ANYBRDG

2780FF6D 2780FF6D

Explanation: I/O processor detected a recoverable system bus error

Failing Item:

- IOP
- ANYBUS

(2782) Reference codes

27821310 27821310

Explanation: I/O processor resource not available

Response: The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

27823006 27823006

Explanation: System bus error

Failing Item:

- IOP
 - ANYBUS
 - STORIOA
-

27823020 27823020

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

27823021 27823021

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

27823022 27823022

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
 - USER
 - FI01107
-

- STORIOA
-

27823023 27823023

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

27823100 27823100

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

27823101 27823101

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

27823102 27823102

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
-

27823103 • 27823151

- FI01140
- DEVBPLN

27823103 27823103

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP13
- FI01107
- STORIOA
- FI01140
- DEVBPLN

27823120 27823120

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27823121 27823121

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27823122 27823122

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27823123 27823123

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

27823140 27823140

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

27823141 27823141

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

27823142 27823142

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3122 reference code that occurred before it require no service action, since SCSI bus 2 is now operational.

27823143 27823143

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

27823150 27823150

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

27823151 27823151

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

27823400 27823400

Explanation: I/O processor card detected device error

Failing Item:

- FI02112
 - STORIOA
 - FI01106
 - DEVTERM
 - FI01140
-

27823401 27823401

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
-

27823501 27823501

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27823600 27823600

Explanation: System log entry only, no service action required

27823601 27823601

Explanation: System log entry only, no service action required

27828008 27828008

Explanation: A permanent cache battery pack failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- CACHBAT
 - STORIOA
-

27828009 27828009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT
-

27828012 27828012

Explanation: Attached read cache devices exceed capacity supported by IOA

Response: Reduce the number of read caches on the IOA.

Failing Item:

- SVCDOCS
-

27828100 27828100

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

27828130 27828130

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

27828131 27828131

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

27828132 27828132

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

27828133 27828133

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

27828140 27828140

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

27828141 27828141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

27828145 27828145

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- STORIOA

27828146 27828146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

27828150 27828150

Explanation: A permanent I/O processor failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- STORIOA
- ANYBRDG

27828151 27828151

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- STORIOA

27828155 27828155

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

27828156 27828156

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

27828157 27828157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS

27828200 27828200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

27829000 27829000

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
 - STORIOA
-

 27829001 27829001

Explanation: I/O processor card detected device configuration error

Failing Item:

- IOPIP33
-

27829002 27829002

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

27829008 27829008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- IOPIP25
-

27829009 27829009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS
-

27829010 27829010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- IOPIP31
-

27829011 27829011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- IOPIP32
-

27829020 27829020

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20

 27829021 27829021

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

27829022 27829022

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27829023 27829023

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27829024 27829024

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27829025 27829025

Explanation: Disk unit is not supported at its physical location.

Failing Item:

- IOPIP21
-

27829026 27829026

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

27829027 27829027

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP34
-

27829028 27829028

Explanation: Incorrect hardware configuration change has been detected.

Response: Reduce the number of arrays on IOP. Either

27829029 • 27829053

move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item:

- SVCDOCS

27829029 27829029

Explanation: Incorrect hardware configuration change has been detected.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

2782902F 2782902F

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 array members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

27829030 27829030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- IOPIP21

27829031 27829031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

27829032 27829032

Explanation: A disk unit in a RAID array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- FI02112
- IOPIP21

27829040 27829040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

27829041 27829041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- AJDGP01

27829042 27829042

Explanation: An array parity error has been detected and corrected

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

27829050 27829050

Explanation: Required cache data cannot be located for a disk unit.

Failing Item:

- IOPIP30

27829051 27829051

Explanation: IOP cache data exists for a missing or failed device.

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27

27829052 27829052

Explanation: Cache data exists for device that has been modified.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

27829053 27829053

Explanation: IOP resources not available due to previous problems.

Response: Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a

type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS

27829054 27829054

Explanation: IOP resources not available due to previous problems.

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS

27829071 27829071

Explanation: Link from IOA to auxiliary cache IOA went operational

Response: No service action required.

27829072 27829072

Explanation: Link from IOA to auxiliary cache IOA went non-operational

Response: No service action required.

27829073 27829073

Explanation: Incompatible or non-operational auxiliary cache IOA attached

Failing Item:

- IOPIP40

27829081 27829081

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
- STORIOA

27829082 27829082

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140

- BACKPLN
- FI01106

27829090 27829090

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

27829091 27829091

Explanation: Incorrect hardware configuration change has been detected.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

27829092 27829092

Explanation: Disk unit requires initialization before use.

Failing Item:

- IOPIP26

27829093 27829093

Explanation: Read cache device not in correct format

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

2782B934 2782B934

Explanation: Incompatible hardware detected.

Failing Item:

- STORIOA

2782FF3D 2782FF3D

Explanation: I/O adapter detected recoverable error

Failing Item:

- STORIOA

2782FF6D

- ANYBRDG

2782FF6D 2782FF6D

Explanation: I/O processor detected a recoverable system bus error

Failing Item:

- IOP
- ANYBUS

(2787) Reference codes

27871310 27871310

Explanation: I/O processor or I/O adapter resource not available

Response: The I/O processor or I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

27873020 27873020

Explanation: I/O processor detected a configuration error

Response: Either too many devices or the wrong kind of devices have been configured under the IOA. Change the configuration.

Failing Item:

- SVCDOCS

27873100 27873100

Explanation: I/O processor card detected interface error.

Failing Item:

- FCINTF
- ANYFC
- FCIOA
- OPT_CLN

27873120 27873120

Explanation: I/O processor detected a port failure.

Failing Item:

- FCPORT
- FCIOA
- FCDEV
- OPT_CLN

27873140 27873140

Explanation: I/O Processor detected that a port is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

27873200 27873200

Explanation: A disk device reported a failure

Failing Item:

- FCDEV
- FCIOA
- IOP
- OPT_CLN

27873400 27873400

Explanation: I/O processor card detected device error

Failing Item:

- FCDEV
- FCINTF
- ANYFC
- FCIOA
- OPT_CLN

278734FF 278734FF

Explanation: Format in progress

Response: The device indicated that a format is in progress. When the format is complete, the device should be useable. No action is required. This reference code is logged for information only.

27878130 27878130

Explanation: Recovered Fibre Channel interface error

Response: No action required. This reference code is logged for information only.

27878140 27878140

Explanation: Recovered Fibre Channel interface error

Response: No action required. This reference code is logged for information only.

27878141 27878141

Explanation: IOA detected recoverable device error

Response: No action required. This reference code is logged for information only.

27878145 27878145

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- FCIOA
- OPT_CLN

 27878146 27878146

Explanation: Disk device detected recoverable error

Failing Item:

- FCDEV

 27878150 27878150

Explanation: A permanent I/O processor failure occurred

Failing Item:

- FCIOA
- ANYBRDG
- OPT_CLN

 27878151 27878151

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- FCIOA
- IOP
- OPT_CLN

 27878155 27878155

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- FCIOA
- OPT_CLN

 27878156 27878156

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- FCIOA
- OPT_CLN

 27879091 27879091

Explanation: Incorrect hardware configuration change has been detected.

Response: Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see Debug the resource. If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

 27879092 27879092

Explanation: Incorrect hardware configuration change has been detected.

Response: Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see Debug the resource. If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

 2787FF3D 2787FF3D

Explanation: Recovered IOA error

Failing Item:

- FCIOA
- ANYBRDG
- OPT_CLN

(2793) Reference codes

2793A001 2793A001

Explanation: Communications I/O adapter software error or failure configuring hardware.

Failing Item:

- NEXTLVL
-

2793B940 2793B940

Explanation: I/O adapter hardware error detected

Failing Item:

- FI00719
 - AJDGP01
 - MA_BRDG
-

2793B941 2793B941

Explanation: One of the ports on the IOA has failed.

Failing Item:

- FI00719
- AJDGP01

(2805) Reference codes

2805A001 2805A001

Explanation: Communications I/O adapter software error or failure configuring hardware.

Failing Item:

- NEXTLVL

2805B940 2805B940

Explanation: I/O adapter hardware error detected

Failing Item:

- FI00719
- AJDGP01
- MA_BRDG

2805B941 2805B941

Explanation: One of the ports on the IOA has failed.

Failing Item:

- FI00719
- AJDGP01

(280D) Reference codes

280D1310 280D1310

Explanation: I/O processor or I/O adapter resource not available

Response: The I/O processor or I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

280D3020 280D3020

Explanation: I/O processor detected a configuration error

Response: Either too many devices or the wrong kind of devices have been configured under the IOA. Change the configuration.

Failing Item:

- SVCDOCS

280D3100 280D3100

Explanation: I/O processor card detected interface error.

Failing Item:

- FCINTF
- ANYFC
- FCIOA
- OPT_CLN

280D3120 280D3120

Explanation: I/O processor detected a port failure.

Failing Item:

- FCPORT
- FCIOA
- FCDEV
- OPT_CLN

280D3140 280D3140

Explanation: I/O Processor detected that a port is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

280D3200 280D3200

Explanation: A disk device reported a failure

Failing Item:

- FCDEV
- FCIOA
- IOP
- OPT_CLN

280D3400 280D3400

Explanation: I/O processor card detected device error

Failing Item:

- FCDEV
- FCINTF
- ANYFC
- FCIOA
- OPT_CLN

280D34FF 280D34FF

Explanation: Format in progress

Response: The device indicated that a format is in progress. When the format is complete, the device should be useable. No action is required. This reference code is logged for information only.

280D8130 280D8130

Explanation: Recovered Fibre Channel interface error

Response: No action required. This reference code is logged for information only.

280D8140 280D8140

Explanation: Recovered Fibre Channel interface error

Response: No action required. This reference code is logged for information only.

280D8141 280D8141

Explanation: IOA detected recoverable device error

Response: No action required. This reference code is logged for information only.

280D8145 280D8145

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- FCIOA
- OPT_CLN

280D8146 280D8146

Explanation: Disk device detected recoverable error

Failing Item:

- FCDEV

280D8150 280D8150

Explanation: A permanent I/O processor failure occurred

Failing Item:

- FCIOA
- ANYBRDG
- OPT_CLN

280D8151 280D8151

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- FCIOA
- IOP
- OPT_CLN

280D8155 280D8155

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- FCIOA
- OPT_CLN

280D8156 280D8156

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- FCIOA
- OPT_CLN

280D9091 280D9091

Explanation: Incorrect hardware configuration change has been detected.

Response: Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see Debug the resource. If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

280D9092 280D9092

Explanation: Incorrect hardware configuration change has been detected.

Response: Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see Debug the resource. If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

280DFF3D 280DFF3D

Explanation: Recovered IOA error

Failing Item:

- FCIOA
- ANYBRDG
- OPT_CLN

(280E) Reference codes

280E1310 280E1310

Explanation: I/O processor or I/O adapter resource not available

Response: The I/O processor or I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

280E3020 280E3020

Explanation: I/O processor detected a configuration error

Response: Either too many devices or the wrong kind of devices have been configured under the IOA. Change the configuration.

Failing Item:

- SVCDOCS

280E3100 280E3100

Explanation: I/O processor card detected interface error.

Failing Item:

- FCINTF
- ANYFC
- FCIOA
- OPT_CLN

280E3120 280E3120

Explanation: I/O processor detected a port failure.

Failing Item:

- FCPORT
- FCIOA
- FCDEV
- OPT_CLN

280E3140 280E3140

Explanation: I/O Processor detected that a port is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

280E3200 280E3200

Explanation: A disk device reported a failure

Failing Item:

- FCDEV
- FCIOA
- IOP
- OPT_CLN

280E3400 280E3400

Explanation: I/O processor card detected device error

Failing Item:

- FCDEV
- FCINTF
- ANYFC
- FCIOA
- OPT_CLN

280E34FF 280E34FF

Explanation: Format in progress

Response: The device indicated that a format is in progress. When the format is complete, the device should be useable. No action is required. This reference code is logged for information only.

280E8130 280E8130

Explanation: Recovered Fibre Channel interface error

Response: No action required. This reference code is logged for information only.

280E8140 280E8140

Explanation: Recovered Fibre Channel interface error

Response: No action required. This reference code is logged for information only.

280E8141 280E8141

Explanation: IOA detected recoverable device error

Response: No action required. This reference code is logged for information only.

280E8145 280E8145

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- FCIOA
- OPT_CLN

280E8146 280E8146

Explanation: Disk device detected recoverable error

Failing Item:

- FCDEV

280E8150 280E8150

Explanation: A permanent I/O processor failure occurred

Failing Item:

- FCIOA
- ANYBRDG
- OPT_CLN

280E8151 280E8151

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- FCIOA
- IOP
- OPT_CLN

280E8155 280E8155

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- FCIOA
- OPT_CLN

280E8156 280E8156

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- FCIOA
- OPT_CLN

280E9091 280E9091

Explanation: Incorrect hardware configuration change has been detected.

Response: Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see Debug the resource. If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

280E9092 280E9092

Explanation: Incorrect hardware configuration change has been detected.

Response: Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see Debug the resource. If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

280EFF3D 280EFF3D

Explanation: Recovered IOA error

Failing Item:

- FCIOA
- ANYBRDG
- OPT_CLN

(2838) Reference codes

2838B904 2838B904

Explanation: I/O adapter Licensed Internal Code failed

Failing Item:

- AJDGP01
- FI00719

2838B930 2838B930

Explanation: I/O adapter Licensed Internal Code failed

Failing Item:

- AJDGP01
- FI00718
- FI00719

2838B931 2838B931

Explanation: I/O adapter hardware error detected

Failing Item:

- FI00719
- FI00718
- AJDGP01
- MA_BRDG

2838B933 2838B933

Explanation: Incompatible hardware detected.

Failing Item:

- FI00719
- AJDGP01

(283C) Reference codes

283C1511 283C1511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DISKFAN
- FI01106
- DEVBPLN

283C1515 283C1515

Explanation: A fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DISKFAN
- FI01106
- DEVBPLN

283C1521 283C1521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DISKFAN
- FI01106
- DEVBPLN

283C1525 283C1525

Explanation: A fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DISKFAN
- FI01106
- DEVBPLN

283C3002 283C3002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- DEVBPLN
- STORIOA
- FI01140
- FI01106

283C3109 283C3109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- DEVBPLN
- STORIOA
- FI01140
- FI01106

283C7611 283C7611

Explanation: A fatal error occurred on redundant fan 1

Failing Item:

- DISKFAN

283C7614 283C7614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN

283C7621 283C7621

Explanation: A fatal error occurred on redundant fan 2

Failing Item:

- DISKFAN

283C7624 283C7624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN

283C7631 283C7631

Explanation: A fatal error occurred on redundant fan 3

Failing Item:

- DISKFAN

283C7634 283C7634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN

283C8401 • 283CFFF4

283C8401 283C8401

Explanation: Removable media power fault

Failing Item:

- DEVBPLN

283C8404 283C8404

Explanation: System log entry only, no service action required

283CFFF4 283CFFF4

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
- STORIOA
- FI01140
- FI01106

(283D) Reference codes

283D1511 283D1511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
 - DISKFAN
 - FI01106
 - DEVBPLN
-

283D1515 283D1515

Explanation: A fatal error occurred on power supply 1

Failing Item:

- DISKPWR
 - DISKFAN
 - FI01106
 - DEVBPLN
-

283D1521 283D1521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
 - DISKFAN
 - FI01106
 - DEVBPLN
-

283D1525 283D1525

Explanation: A fatal error occurred on power supply 2

Failing Item:

- DISKPWR
 - DISKFAN
 - FI01106
 - DEVBPLN
-

283D3002 283D3002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- DEVBPLN
 - STORIOA
 - FI01140
 - FI01106
-

283D3109 283D3109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- DEVBPLN
 - STORIOA
 - FI01140
 - FI01106
-

283D7611 283D7611

Explanation: A fatal error occurred on redundant fan 1

Failing Item:

- DISKFAN
-

283D7614 283D7614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN
-

283D7621 283D7621

Explanation: A fatal error occurred on redundant fan 2

Failing Item:

- DISKFAN
-

283D7624 283D7624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN
-

283D7631 283D7631

Explanation: A fatal error occurred on redundant fan 3

Failing Item:

- DISKFAN
-

283D7634 283D7634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN
-

283D8401 • 283DFFF4

283D8401 283D8401

Explanation: Removable media power fault

Failing Item:

- DEVBPLN

283D8404 283D8404

Explanation: System log entry only, no service action required

283DFFF4 283DFFF4

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
- STORIOA
- FI01140
- FI01106

(2842) Reference codes

28420A17 28420A17

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
 - MA_BRDG
 - AJDGP01
 - AJDG301
-

28420A22 28420A22

Explanation: I/O processor detected a storage transfer error

Failing Item:

- AJDGP01
 - AJDG301
 - IOP
 - MA_BRDG
-

2842102E 2842102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- FI01105
-

28421306 28421306

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- AJDGP01
 - IOP
 - FI01104
 - BACKPLN
-

28421307 28421307

Explanation: I/O processor resource not available

Failing Item:

- AJDGP01
 - AJDG301
-

28421310 28421310

Explanation: I/O processor resource not available

Response: The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

28421317 28421317

Explanation: I/O processor card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates IOP, then replace the IOP. If the Failing Item indicates SVCDOCS, then do NOT replace the IOP. This is a recoverable error. Perform the following:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS
-

28422200 28422200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
-

28422201 28422201

Explanation: Removable media error during IPL

Failing Item:

- USER
 - FI01105
-

28422202 28422202

Explanation: Removable media error during IPL

Failing Item:

- FI00022
 - FI01105
-

28423000 28423000

Explanation: A permanent I/O processor failure occurred

Failing Item:

28423001 • 28423084

- FI01101
- IOP
- MA_BRDG

28423001 28423001

Explanation: Not valid condition in I/O Processor Licensed Internal Code

Response: The Licensed Internal Code found a condition that should not have occurred.

Failing Item:

- IOP
- AJDGP01

28423002 28423002

Explanation: Addressed device failed to respond to selection

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- FI01141
- FI01106

28423006 28423006

Explanation: System bus error

Failing Item:

- IOP
- ANYBUS
- FI01101

28423020 28423020

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

28423021 28423021

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

28423022 28423022

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

28423023 28423023

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

28423080 28423080

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01

28423081 28423081

Explanation: System log entry only, no service action required

28423084 28423084

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- AJDGP01
- IOP
- FI01104
- MA_BRDG

 28423087 28423087

Explanation: I/O processor resource not available

Response: The Licensed Internal Code could not allocate resources on the I/O processor card.

Failing Item:

- AJDGP01
 - AJDG301
 - IOACNFG
 - FI01104
-

28423100 28423100

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

28423101 28423101

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

28423102 28423102

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

28423103 28423103

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

28423109 28423109

Explanation: I/O processor timed out a device command

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

28423110 28423110

Explanation: I/O processor card detected interface error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

28423120 28423120

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS
-

28423121 28423121

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not

operational. Remove the device.

Failing Item:

- SVCDOCS

28423122 28423122

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

28423123 28423123

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

28423136 28423136

Explanation: The removable media device is assigned elsewhere

Failing Item:

- USER
- FI01105

28423140 28423140

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

28423141 28423141

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

28423142 28423142

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3122 reference code that occurred before it require no service action,

since SCSI bus 2 is now operational.

28423143 28423143

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

28423150 28423150

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

28423151 28423151

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

28423200 28423200

Explanation: A tape/CD or disk device reported a failure

Failing Item:

- FI01105
- STORIOA
- IOP
- MEDIA

28423203 28423203

Explanation: Disk media format bad

Failing Item:

- FI01105

28423205 28423205

Explanation: Disk sector read error

Response: Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item:

- FI01105

 28423215 28423215

Explanation: Disk sector read error

Response: Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item:

- FI01105
-

28423250 28423250

Explanation: Disk unit requires initialization before use.

Response: Perform a D-IPL and work on errors found in the log.

Failing Item:

- USER
-

28423300 28423300

Explanation: Storage unit detected a media problem

Failing Item:

- IOPIP01
 - MEDIA
 - FI00121
 - FI01141
-

28423400 28423400

Explanation: I/O processor card detected device error

Response: NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item:

- FI02112
 - STORIOA
 - FI01106
 - DEVTERM
 - FI01140
-

28423401 28423401

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
-

28423501 28423501

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

 28423600 28423600

Explanation: System log entry only, no service action required

28423601 28423601

Explanation: System log entry only, no service action required

28426070 28426070

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

28426071 28426071

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
-

28426072 28426072

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

28426073 28426073

Explanation: IPL device not ready

Failing Item:

- MEDIA
 - FI01105
 - USER
-

28426075 28426075

Explanation: I/O processor resource not available

Failing Item:

- AJDGP01
-

28426076 28426076

Explanation: I/O processor card detected media error

Failing Item:

- MEDIA
- AJDGP01
- FI01105

28426081 28426081

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

28426082 28426082

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

28426083 28426083

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

28426085 28426085

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP
- MA_BRDG

28426200 28426200

Explanation: A permanent IOA hardware error occurred

Failing Item:

- FCIOA
- OPT_CLN

28426201 28426201

Explanation: IOA LID is not valid

Failing Item:

- AJDGP01

28426602 28426602

Explanation: An I/O processor Licensed Internal Code error occurred.

Failing Item:

- AJDGP01

28428000 28428000

Explanation: A permanent IOP or cache adapter card failure occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- STORIOA
- CACHE

28428002 28428002

Explanation: A permanent cache adapter card failure occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
- STORIOA

28428004 28428004

Explanation: Voltage drop detected on I/O processor 5 volt power supply.

Failing Item:

- FI01141
- STORIOA

28428005 28428005

Explanation: A recoverable IOP or cache adapter card error occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- STORIOA
- CACHE

28428007 28428007

Explanation: A recoverable cache adapter card error occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
- STORIOA

28428010 28428010

Explanation: A permanent cache adapter card failure occurred.

Response: The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

28428011 28428011

Explanation: A permanent cache adapter card failure occurred.

Response: The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

28428100 28428100

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

28428130 28428130

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

28428131 28428131

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

28428132 28428132

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action

is required. This reference code is logged for information only.

28428133 28428133

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

28428140 28428140

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

28428141 28428141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

28428145 28428145

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- STORIOA
-

28428146 28428146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105
-

28428150 28428150

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA
 - ANYBRDG
-

28428151 28428151

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - STORIOA
-

28428155 28428155

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

28428156 28428156

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

28428157 28428157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS

28428200 28428200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

28428300 28428300

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- STORIOA
- IOP
- AJDGP01

28428301 28428301

Explanation: Not valid condition in I/O Processor Licensed Internal Code

Response: The Licensed Internal Code found a condition that should not have occurred.

Failing Item:

- FI01101
- AJDGP01
- IOP

28428400 28428400

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01

28429000 28429000

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
- STORIOA

28429001 28429001

Explanation: I/O processor card detected device configuration error

Failing Item:

- IOPIP33

28429002 28429002

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- BACKPLN
- FI01106

28429008 28429008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- IOPIP25
-

 28429009 28429009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS
-

28429010 28429010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- IOPIP31
-

28429011 28429011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- IOPIP32
-

28429012 28429012

Explanation: IOP requires a cache adapter card but cannot find it.

Response: The cache adapter card is missing or broken.

Failing Item:

- IOPIP29
 - CACHE
-

28429013 28429013

Explanation: The IOP and attached cache adapter card are not compatible.

Failing Item:

- IOPIP19
-

28429020 28429020

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

28429021 28429021

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

 28429022 28429022

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

28429023 28429023

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

28429024 28429024

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

28429025 28429025

Explanation: Disk unit is not supported at its physical location.

Failing Item:

- IOPIP21
-

28429026 28429026

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

28429027 28429027

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP34
-

28429028 28429028

Explanation: Incorrect hardware configuration change has been detected.

Response: Reduce the number of arrays on IOP. Either move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item:

- SVCDOCS
-

 28429029 28429029

Explanation: Incorrect hardware configuration change has been detected.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS
-

2842902F 2842902F

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

28429030 28429030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- IOPIP21
-

28429031 28429031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

28429040 28429040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

28429041 28429041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- AJDGP01
-

28429050 28429050

Explanation: Required cache data cannot be located for a disk unit.

Failing Item:

- IOPIP30
-

 28429051 28429051

Explanation: IOP cache data exists for a missing or failed device.

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27
-

28429052 28429052

Explanation: Cache data exists for device that has been modified.

Failing Item:

- IOPIP28
-

28429053 28429053

Explanation: IOP resources not available due to previous problems.

Response: Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS
-

28429054 28429054

Explanation: IOP resources not available due to previous problems.

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS
-

28429081 28429081

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
 - STORIOA
-

28429082 **28429082**

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

28429090 **28429090**

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

28429091 **28429091**

Explanation: Incorrect hardware configuration change has been detected.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

28429092 **28429092**

Explanation: Disk unit requires initialization before use.

Failing Item:

- IOPIP26
-

2842B3B1 **2842B3B1**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2842B3B2 **2842B3B2**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2842B3B3 **2842B3B3**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2842B3B4 **2842B3B4**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2842B3B5 **2842B3B5**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2842B3B6 **2842B3B6**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2842B3B7 **2842B3B7**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2842B3B8 **2842B3B8**

Explanation: Multi-adapter Bridge error detected

Failing Item:

- MA_BRDG
 - IOP
-

2842B3B9 **2842B3B9**

Explanation: A permanent I/O processor failure occurred

Failing Item:

2842B3E0 • 2842FF6D

- IOP

2842B3E0 2842B3E0

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
- MA_BRDG

2842B3E1 2842B3E1

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
- MA_BRDG

2842B410 2842B410

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA

2842B411 2842B411

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA

2842B412 2842B412

Explanation: Tape/CD or disk bus interface error occurred

Failing Item:

- IOPIP16
- FI01107
- FI01140
- STORIOA
- DEVTERM

2842B935 2842B935

Explanation: Unknown hardware detected

Failing Item:

- FI01101
- AJDGP01
- IOP
- MA_BRDG

2842BE00 2842BE00

Explanation: I/O processor detected a fault condition

Failing Item:

- AJDGP01
- IOP
- FI01104
- MA_BRDG

2842FF3D 2842FF3D

Explanation: I/O adapter detected recoverable error

Failing Item:

- STORIOA
- ANYBRDG

2842FF6D 2842FF6D

Explanation: I/O processor detected a recoverable system bus error

Failing Item:

- IOP
- ANYBUS

(2843) Reference codes

28430A17 28430A17

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
 - MA_BRDG
 - AJDGP01
 - AJDG301
-

28430A22 28430A22

Explanation: I/O processor detected a storage transfer error

Failing Item:

- AJDGP01
 - AJDG301
 - IOP
 - MA_BRDG
-

2843102E 2843102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- FI01105
-

28431306 28431306

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- AJDGP01
 - IOP
 - FI01104
 - BACKPLN
-

28431307 28431307

Explanation: I/O processor resource not available

Failing Item:

- AJDGP01
 - AJDG301
-

28431310 28431310

Explanation: I/O processor resource not available

Response: The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

28431317 28431317

Explanation: I/O processor card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates IOP, then replace the IOP. If the Failing Item indicates SVCDOCS, then do NOT replace the IOP. This is a recoverable error. Perform the following:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS
-

28432200 28432200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
-

28432201 28432201

Explanation: Removable media error during IPL

Failing Item:

- USER
 - FI01105
-

28432202 28432202

Explanation: Removable media error during IPL

Failing Item:

- FI00022
 - FI01105
-

28433000 28433000

Explanation: A permanent I/O processor failure occurred

Failing Item:

28433001 • 28433084

- FI01101
- IOP
- MA_BRDG

28433001 28433001

Explanation: Not valid condition in I/O Processor Licensed Internal Code

Response: The Licensed Internal Code found a condition that should not have occurred.

Failing Item:

- IOP
- AJDGP01

28433002 28433002

Explanation: Addressed device failed to respond to selection

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- FI01141
- FI01106

28433006 28433006

Explanation: System bus error

Failing Item:

- IOP
- ANYBUS
- FI01101

28433020 28433020

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

28433021 28433021

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

28433022 28433022

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

28433023 28433023

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

28433080 28433080

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01

28433081 28433081

Explanation: System log entry only, no service action required

28433084 28433084

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- AJDGP01
- IOP
- FI01104
- MA_BRDG

 28433087 28433087

Explanation: I/O processor resource not available

Response: The Licensed Internal Code could not allocate resources on the I/O processor card.

Failing Item:

- AJDGP01
 - AJDG301
 - IOACNFG
 - FI01104
-

28433100 28433100

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

28433101 28433101

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

28433102 28433102

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

28433103 28433103

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

28433109 28433109

Explanation: I/O processor timed out a device command

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

28433110 28433110

Explanation: I/O processor card detected interface error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

28433120 28433120

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS
-

28433121 28433121

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not

operational. Remove the device.

Failing Item:

- SVCDOCS

28433122 28433122

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

28433123 28433123

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

28433136 28433136

Explanation: The removable media device is assigned elsewhere

Failing Item:

- USER
- FI01105

28433140 28433140

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

28433141 28433141

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

28433142 28433142

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3122 reference code that occurred before it require no service action,

since SCSI bus 2 is now operational.

28433143 28433143

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

28433150 28433150

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

28433151 28433151

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

28433200 28433200

Explanation: A tape/CD or disk device reported a failure

Failing Item:

- FI01105
- STORIOA
- IOP
- MEDIA

28433203 28433203

Explanation: Disk media format bad

Failing Item:

- FI01105

28433205 28433205

Explanation: Disk sector read error

Response: Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item:

- FI01105

 28433215 28433215

Explanation: Disk sector read error

Response: Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item:

- FI01105
-

28433250 28433250

Explanation: Disk unit requires initialization before use.

Response: Perform a D-IPL and work on errors found in the log.

Failing Item:

- USER
-

28433300 28433300

Explanation: Storage unit detected a media problem

Failing Item:

- IOPIP01
 - MEDIA
 - FI00121
 - FI01141
-

28433400 28433400

Explanation: I/O processor card detected device error

Response: NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item:

- FI02112
 - STORIOA
 - FI01106
 - DEVTERM
 - FI01140
-

28433401 28433401

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
-

28433501 28433501

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

 28433600 28433600

Explanation: System log entry only, no service action required

28433601 28433601

Explanation: System log entry only, no service action required

28436070 28436070

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

28436071 28436071

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
-

28436072 28436072

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

28436073 28436073

Explanation: IPL device not ready

Failing Item:

- MEDIA
 - FI01105
 - USER
-

28436075 28436075

Explanation: I/O processor resource not available

Failing Item:

- AJDGP01
-

28436076 28436076

Explanation: I/O processor card detected media error

Failing Item:

- MEDIA
- AJDGP01
- FI01105

28436081 28436081

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

28436082 28436082

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

28436083 28436083

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

28436085 28436085

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP
- MA_BRDG

28436200 28436200

Explanation: A permanent IOA hardware error occurred

Failing Item:

- FCIOA
- OPT_CLN

28436201 28436201

Explanation: IOA LID is not valid

Failing Item:

- AJDGP01

28436602 28436602

Explanation: An I/O processor Licensed Internal Code error occurred.

Failing Item:

- AJDGP01

28438000 28438000

Explanation: A permanent IOP or cache adapter card failure occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- STORIOA
- CACHE

28438002 28438002

Explanation: A permanent cache adapter card failure occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
- STORIOA

28438004 28438004

Explanation: Voltage drop detected on I/O processor 5 volt power supply.

Failing Item:

- FI01141
- STORIOA

28438005 28438005

Explanation: A recoverable IOP or cache adapter card error occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- STORIOA
- CACHE

28438007 28438007

Explanation: A recoverable cache adapter card error occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

28438010 28438010

Explanation: A permanent cache adapter card failure occurred.

Response: The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

28438011 28438011

Explanation: A permanent cache adapter card failure occurred.

Response: The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

28438100 28438100

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

28438130 28438130

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

28438131 28438131

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

28438132 28438132

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action

is required. This reference code is logged for information only.

28438133 28438133

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

28438140 28438140

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

28438141 28438141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

28438145 28438145

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- STORIOA
-

28438146 28438146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105
-

28438150 28438150

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA
 - ANYBRDG
-

28438151 28438151

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - STORIOA
-

28438155 28438155

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

28438156 28438156

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

28438157 28438157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS

28438200 28438200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

28438300 28438300

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- STORIOA
- IOP
- AJDGP01

28438301 28438301

Explanation: Not valid condition in I/O Processor Licensed Internal Code

Response: The Licensed Internal Code found a condition that should not have occurred.

Failing Item:

- FI01101
- AJDGP01
- IOP

28438400 28438400

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01

28439000 28439000

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
- STORIOA

28439001 28439001

Explanation: I/O processor card detected device configuration error

Failing Item:

- IOPIP33

28439002 28439002

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- BACKPLN
- FI01106

28439008 28439008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- IOPIP25

 28439009 28439009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS
-

28439010 28439010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- IOPIP31
-

28439011 28439011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- IOPIP32
-

28439012 28439012

Explanation: IOP requires a cache adapter card but cannot find it.

Response: The cache adapter card is missing or broken.

Failing Item:

- IOPIP29
 - CACHE
-

28439013 28439013

Explanation: The IOP and attached cache adapter card are not compatible.

Failing Item:

- IOPIP19
-

28439020 28439020

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

28439021 28439021

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

 28439022 28439022

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

28439023 28439023

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

28439024 28439024

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

28439025 28439025

Explanation: Disk unit is not supported at its physical location.

Failing Item:

- IOPIP21
-

28439026 28439026

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

28439027 28439027

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP34
-

28439028 28439028

Explanation: Incorrect hardware configuration change has been detected.

Response: Reduce the number of arrays on IOP. Either move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item:

- SVCDOCS
-

 28439029 28439029

Explanation: Incorrect hardware configuration change has been detected.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS
-

2843902F 2843902F

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

28439030 28439030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- IOPIP21
-

28439031 28439031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

28439040 28439040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

28439041 28439041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- AJDGP01
-

28439050 28439050

Explanation: Required cache data cannot be located for a disk unit.

Failing Item:

- IOPIP30
-

 28439051 28439051

Explanation: IOP cache data exists for a missing or failed device.

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27
-

28439052 28439052

Explanation: Cache data exists for device that has been modified.

Failing Item:

- IOPIP28
-

28439053 28439053

Explanation: IOP resources not available due to previous problems.

Response: Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS
-

28439054 28439054

Explanation: IOP resources not available due to previous problems.

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS
-

28439081 28439081

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
 - STORIOA
-

 28439082 28439082

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

28439090 28439090

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

28439091 28439091

Explanation: Incorrect hardware configuration change has been detected.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

28439092 28439092

Explanation: Disk unit requires initialization before use.

Failing Item:

- IOPIP26
-

2843B3B1 2843B3B1

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2843B3B2 2843B3B2

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2843B3B3 2843B3B3

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2843B3B4 2843B3B4

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2843B3B5 2843B3B5

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2843B3B6 2843B3B6

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2843B3B7 2843B3B7

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2843B3B8 2843B3B8

Explanation: Multi-adapter Bridge error detected

Failing Item:

- MA_BRDG
 - IOP
-

2843B3B9 2843B3B9

Explanation: A permanent I/O processor failure occurred

Failing Item:

2843B3E0 • 2843FF6D

- IOP

2843B3E0 2843B3E0

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
- MA_BRDG

2843B3E1 2843B3E1

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
- MA_BRDG

2843B410 2843B410

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA

2843B411 2843B411

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA

2843B412 2843B412

Explanation: Tape/CD or disk bus interface error occurred

Failing Item:

- IOPIP16
- FI01107
- FI01140
- STORIOA
- DEVTERM

2843B935 2843B935

Explanation: Unknown hardware detected

Failing Item:

- FI01101
- AJDGP01
- IOP
- MA_BRDG

2843BE00 2843BE00

Explanation: I/O processor detected a fault condition

Failing Item:

- AJDGP01
- IOP
- FI01104
- MA_BRDG

2843FF3D 2843FF3D

Explanation: I/O adapter detected recoverable error

Failing Item:

- STORIOA
- ANYBRDG

2843FF6D 2843FF6D

Explanation: I/O processor detected a recoverable system bus error

Failing Item:

- IOP
- ANYBUS

(2844) Reference codes

28440A17 28440A17

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
 - MA_BRDG
 - AJDGP01
 - AJDG301
-

28440A22 28440A22

Explanation: I/O processor detected a storage transfer error

Failing Item:

- AJDGP01
 - AJDG301
 - IOP
 - MA_BRDG
-

2844102E 2844102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- FI01105
-

28441306 28441306

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- AJDGP01
 - IOP
 - FI01104
 - BACKPLN
-

28441307 28441307

Explanation: I/O processor resource not available

Failing Item:

- AJDGP01
 - AJDG301
-

28441310 28441310

Explanation: I/O processor resource not available

Response: The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

28441317 28441317

Explanation: I/O processor card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates IOP, then replace the IOP. If the Failing Item indicates SVCDOCS, then do NOT replace the IOP. This is a recoverable error. Perform the following:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS
-

28442200 28442200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
-

28442201 28442201

Explanation: Removable media error during IPL

Failing Item:

- USER
 - FI01105
-

28442202 28442202

Explanation: Removable media error during IPL

Failing Item:

- FI00022
 - FI01105
-

28443000 28443000

Explanation: A permanent I/O processor failure occurred

Failing Item:

28443001 • 28443084

- FI01101
- IOP
- MA_BRDG

28443001 28443001

Explanation: Not valid condition in I/O Processor Licensed Internal Code

Response: The Licensed Internal Code found a condition that should not have occurred.

Failing Item:

- IOP
- AJDGP01

28443002 28443002

Explanation: Addressed device failed to respond to selection

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- FI01141
- FI01106

28443006 28443006

Explanation: System bus error

Failing Item:

- IOP
- ANYBUS
- FI01101

28443020 28443020

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

28443021 28443021

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

28443022 28443022

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

28443023 28443023

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

28443080 28443080

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01

28443081 28443081

Explanation: System log entry only, no service action required

28443084 28443084

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- AJDGP01
- IOP
- FI01104
- MA_BRDG

 28443087 28443087

Explanation: I/O processor resource not available

Response: The Licensed Internal Code could not allocate resources on the I/O processor card.

Failing Item:

- AJDGP01
 - AJDG301
 - IOACNFG
 - FI01104
-

28443100 28443100

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

28443101 28443101

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

28443102 28443102

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

28443103 28443103

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

28443109 28443109

Explanation: I/O processor timed out a device command

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

28443110 28443110

Explanation: I/O processor card detected interface error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

28443120 28443120

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS
-

28443121 28443121

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not

28443122 • 28443205

operational. Remove the device.

Failing Item:

- SVCDOCS

28443122 28443122

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

28443123 28443123

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

28443136 28443136

Explanation: The removable media device is assigned elsewhere

Failing Item:

- USER
- FI01105

28443140 28443140

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

28443141 28443141

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

28443142 28443142

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3122 reference code that occurred before it require no service action,

since SCSI bus 2 is now operational.

28443143 28443143

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

28443150 28443150

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

28443151 28443151

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

28443200 28443200

Explanation: A tape/CD or disk device reported a failure

Failing Item:

- FI01105
- STORIOA
- IOP
- MEDIA

28443203 28443203

Explanation: Disk media format bad

Failing Item:

- FI01105

28443205 28443205

Explanation: Disk sector read error

Response: Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item:

- FI01105

 28443215 28443215

Explanation: Disk sector read error

Response: Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item:

- FI01105
-

28443250 28443250

Explanation: Disk unit requires initialization before use.

Response: Perform a D-IPL and work on errors found in the log.

Failing Item:

- USER
-

28443300 28443300

Explanation: Storage unit detected a media problem

Failing Item:

- IOPIP01
 - MEDIA
 - FI00121
 - FI01141
-

28443400 28443400

Explanation: I/O processor card detected device error

Response: NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item:

- FI02112
 - STORIOA
 - FI01106
 - DEVTERM
 - FI01140
-

28443401 28443401

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
-

28443501 28443501

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

28443600 28443600

Explanation: System log entry only, no service action required

28443601 28443601

Explanation: System log entry only, no service action required

28446070 28446070

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

28446071 28446071

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
-

28446072 28446072

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

28446073 28446073

Explanation: IPL device not ready

Failing Item:

- MEDIA
 - FI01105
 - USER
-

28446075 28446075

Explanation: I/O processor resource not available

Failing Item:

- AJDGP01
-

28446076 28446076

Explanation: I/O processor card detected media error

Failing Item:

- MEDIA
 - AJDGP01
 - FI01105
-

28446081 28446081

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

28446082 28446082

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

28446083 28446083

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

28446085 28446085

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP
- MA_BRDG

28446200 28446200

Explanation: A permanent IOA hardware error occurred

Failing Item:

- FCIOA
- OPT_CLN

28446201 28446201

Explanation: IOA LID is not valid

Failing Item:

- AJDGP01

28446602 28446602

Explanation: An I/O processor Licensed Internal Code error occurred.

Failing Item:

- AJDGP01

28448000 28448000

Explanation: A permanent IOP or cache adapter card failure occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- STORIOA
- CACHE

28448002 28448002

Explanation: A permanent cache adapter card failure occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
- STORIOA

28448004 28448004

Explanation: Voltage drop detected on I/O processor 5 volt power supply.

Failing Item:

- FI01141
- STORIOA

28448005 28448005

Explanation: A recoverable IOP or cache adapter card error occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- STORIOA
- CACHE

28448007 28448007

Explanation: A recoverable cache adapter card error occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

28448010 28448010

Explanation: A permanent cache adapter card failure occurred.

Response: The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

28448011 28448011

Explanation: A permanent cache adapter card failure occurred.

Response: The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

28448100 28448100

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

28448130 28448130

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

28448131 28448131

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

28448132 28448132

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action

is required. This reference code is logged for information only.

28448133 28448133

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

28448140 28448140

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

28448141 28448141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

28448145 28448145

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- STORIOA
-

28448146 28448146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105
-

28448150 28448150

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA
 - ANYBRDG
-

28448151 28448151

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - STORIOA
-

28448155 28448155

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

28448156 28448156

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

28448157 28448157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS

28448200 28448200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

28448300 28448300

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- STORIOA
- IOP
- AJDGP01

28448301 28448301

Explanation: Not valid condition in I/O Processor Licensed Internal Code

Response: The Licensed Internal Code found a condition that should not have occurred.

Failing Item:

- FI01101
- AJDGP01
- IOP

28448400 28448400

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01

28449000 28449000

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
- STORIOA

28449001 28449001

Explanation: I/O processor card detected device configuration error

Failing Item:

- IOPIP33

28449002 28449002

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- BACKPLN
- FI01106

28449008 28449008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- IOPIP25
-

 28449009 28449009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS
-

28449010 28449010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- IOPIP31
-

28449011 28449011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- IOPIP32
-

28449012 28449012

Explanation: IOP requires a cache adapter card but cannot find it.

Response: The cache adapter card is missing or broken.

Failing Item:

- IOPIP29
 - CACHE
-

28449013 28449013

Explanation: The IOP and attached cache adapter card are not compatible.

Failing Item:

- IOPIP19
-

28449020 28449020

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

28449021 28449021

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

 28449022 28449022

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

28449023 28449023

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

28449024 28449024

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

28449025 28449025

Explanation: Disk unit is not supported at its physical location.

Failing Item:

- IOPIP21
-

28449026 28449026

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

28449027 28449027

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP34
-

28449028 28449028

Explanation: Incorrect hardware configuration change has been detected.

Response: Reduce the number of arrays on IOP. Either move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item:

- SVCDOCS
-

28449029 28449029

Explanation: Incorrect hardware configuration change has been detected.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

2844902F 2844902F

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

28449030 28449030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- IOPIP21

28449031 28449031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

28449040 28449040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

28449041 28449041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- AJDGP01

28449050 28449050

Explanation: Required cache data cannot be located for a disk unit.

Failing Item:

- IOPIP30

28449051 28449051

Explanation: IOP cache data exists for a missing or failed device.

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27

28449052 28449052

Explanation: Cache data exists for device that has been modified.

Failing Item:

- IOPIP28

28449053 28449053

Explanation: IOP resources not available due to previous problems.

Response: Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS

28449054 28449054

Explanation: IOP resources not available due to previous problems.

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS

28449081 28449081

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
- STORIOA

28449082 **28449082**

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

28449090 **28449090**

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

28449091 **28449091**

Explanation: Incorrect hardware configuration change has been detected.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

28449092 **28449092**

Explanation: Disk unit requires initialization before use.

Failing Item:

- IOPIP26
-

2844B3B1 **2844B3B1**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2844B3B2 **2844B3B2**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2844B3B3 **2844B3B3**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2844B3B4 **2844B3B4**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2844B3B5 **2844B3B5**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2844B3B6 **2844B3B6**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2844B3B7 **2844B3B7**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2844B3B8 **2844B3B8**

Explanation: Multi-adapter Bridge error detected

Failing Item:

- MA_BRDG
 - IOP
-

2844B3B9 **2844B3B9**

Explanation: A permanent I/O processor failure occurred

Failing Item:

2844B3E0 • 2844FF6D

- IOP

2844B3E0 2844B3E0

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
- MA_BRDG

2844B3E1 2844B3E1

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
- MA_BRDG

2844B410 2844B410

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA

2844B411 2844B411

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA

2844B412 2844B412

Explanation: Tape/CD or disk bus interface error occurred

Failing Item:

- IOPIP16
- FI01107
- FI01140
- STORIOA
- DEVTERM

2844B935 2844B935

Explanation: Unknown hardware detected

Failing Item:

- FI01101
- AJDGP01
- IOP
- MA_BRDG

2844BE00 2844BE00

Explanation: I/O processor detected a fault condition

Failing Item:

- AJDGP01
- IOP
- FI01104
- MA_BRDG

2844FF3D 2844FF3D

Explanation: I/O adapter detected recoverable error

Failing Item:

- STORIOA
- ANYBRDG

2844FF6D 2844FF6D

Explanation: I/O processor detected a recoverable system bus error

Failing Item:

- IOP
- ANYBUS

(2847) Reference codes

28470A17 28470A17

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
- MA_BRDG
- AJDGP01
- AJDG301

28470A22 28470A22

Explanation: I/O processor detected a storage transfer error

Failing Item:

- AJDGP01
- AJDG301
- IOP
- MA_BRDG

28471307 28471307

Explanation: I/O processor resource not available

Failing Item:

- AJDGP01
- AJDG301

28471310 28471310

Explanation: I/O processor resource not available

Response: The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

28473000 28473000

Explanation: A permanent I/O processor failure occurred

Failing Item:

- FCIOA
- IOP
- MA_BRDG
- OPT_CLN

28473001 28473001

Explanation: Not valid condition in I/O Processor Licensed Internal Code

Response: The Licensed Internal Code found a condition that should not have occurred.

Failing Item:

- IOP
- AJDGP01

28473002 28473002

Explanation: Addressed device is not responding

Failing Item:

- FCPORT
- FCDEV
- FCIOA
- FCINTF
- OPT_CLN

28473006 28473006

Explanation: System bus error

Failing Item:

- IOP
- ANYBUS
- FCIOA
- OPT_CLN

28473080 28473080

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01

28473081 28473081

Explanation: System log entry only, no service action required

28473084 28473084

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- AJDGP01
- IOP
- FCIOA
- MA_BRDG

28473087 • 28476081

- OPT_CLN

28473087 28473087

Explanation: I/O processor resource not available

Response: The Licensed Internal Code could not allocate resources on the I/O processor card.

Failing Item:

- AJDGP01
- AJDG301
- FCIOA
- OPT_CLN

28473100 28473100

Explanation: I/O processor card detected interface error

Failing Item:

- FCINTF
- ANYFC
- FCIOA
- OPT_CLN

28473109 28473109

Explanation: I/O processor timed out a device command

Failing Item:

- FCDEV
- FCINTF
- FCIOA
- OPT_CLN

28473120 28473120

Explanation: I/O processor detected a port failure

Failing Item:

- FCPORT
- FCIOA
- FCDEV
- OPT_CLN

28473200 28473200

Explanation: A disk device reported a failure

Failing Item:

- FCDEV
- FCIOA
- IOP
- OPT_CLN

28473501 28473501

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

28476070 28476070

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP

28476071 28476071

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01

28476072 28476072

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

28476075 28476075

Explanation: I/O processor resource not available

Failing Item:

- AJDGP01

28476076 28476076

Explanation: I/O processor card detected media error

Failing Item:

- AJDG301
- AJDGP01
- FCDEV

28476081 28476081

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

 28476082 28476082

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

28476083 28476083

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

28476085 28476085

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
 - MA_BRDG
-

28476200 28476200

Explanation: A permanent IOA hardware error occurred

Failing Item:

- FCIOA
 - OPT_CLN
-

28476201 28476201

Explanation: IOA LID is not valid

Failing Item:

- AJDGP01
-

28478100 28478100

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

28478150 28478150

Explanation: A permanent I/O processor failure occurred

Failing Item:

- FCIOA

- ANYBRDG
 - OPT_CLN
-

28478155 28478155

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
 - FCIOA
 - OPT_CLN
-

28478156 28478156

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
 - FCIOA
 - OPT_CLN
-

28478200 28478200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

28478300 28478300

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- FCIOA
 - IOP
 - AJDGP01
 - OPT_CLN
-

28478301 28478301

Explanation: Not valid condition in I/O Processor Licensed Internal Code

Response: The Licensed Internal Code found a condition that should not have occurred.

Failing Item:

- FCIOA
- AJDGP01
- IOP
- OPT_CLN

2847B3B1 • 2847BE00

2847B3B1 2847B3B1

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2847B3B2 2847B3B2

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2847B3B3 2847B3B3

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2847B3B4 2847B3B4

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2847B3B5 2847B3B5

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2847B3B6 2847B3B6

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2847B3B7 2847B3B7

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2847B3B8 2847B3B8

Explanation: Multi-adapter Bridge error detected

Failing Item:

- MA_BRDG

- IOP
-

2847B3E0 2847B3E0

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
 - MA_BRDG
-

2847B3E1 2847B3E1

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
 - MA_BRDG
-

2847B935 2847B935

Explanation: Unknown hardware detected

Failing Item:

- FCIOA
 - AJDGP01
 - IOP
 - MA_BRDG
 - OPT_CLN
-

2847BE00 2847BE00

Explanation: I/O processor detected a fault condition

Failing Item:

- AJDGP01
- IOP
- FCIOA
- MA_BRDG
- OPT_CLN

(2849) Reference codes

2849B904 2849B904

Explanation: I/O adapter Licensed Internal Code failed

Failing Item:

- AJDGP01
- FI00719

2849B930 2849B930

Explanation: I/O adapter Licensed Internal Code failed

Failing Item:

- AJDGP01
- FI00718
- FI00719

2849B931 2849B931

Explanation: I/O adapter hardware error detected

Failing Item:

- FI00719
- FI00718
- AJDGP01
- MA_BRDG

2849B933 2849B933

Explanation: Incompatible hardware detected.

Failing Item:

- FI00719
- AJDGP01

(284B) Reference codes

284B0A17 284B0A17

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
 - MA_BRDG
 - AJDGP01
 - AJDG301
-

284B0A22 284B0A22

Explanation: I/O processor detected a storage transfer error

Failing Item:

- AJDGP01
 - AJDG301
 - IOP
 - MA_BRDG
-

284B102E 284B102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- FI01105
-

284B1306 284B1306

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- AJDGP01
 - IOP
 - FI01104
 - BACKPLN
-

284B1307 284B1307

Explanation: I/O processor resource not available

Failing Item:

- AJDGP01
 - AJDG301
-

284B1310 284B1310

Explanation: I/O processor resource not available

Response: The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

284B1317 284B1317

Explanation: I/O processor card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates IOP, then replace the IOP. If the Failing Item indicates SVCDOCS, then do NOT replace the IOP. This is a recoverable error. Perform the following:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.

2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS
-

284B2200 284B2200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
-

284B2201 284B2201

Explanation: Removable media error during IPL

Failing Item:

- USER
 - FI01105
-

284B2202 284B2202

Explanation: Removable media error during IPL

Failing Item:

- FI00022
 - FI01105
-

284B3000 284B3000

Explanation: A permanent I/O processor failure occurred

Failing Item:

284B3001 • 284B3084

- FI01101
- IOP
- MA_BRDG

284B3001 284B3001

Explanation: Not valid condition in I/O Processor Licensed Internal Code

Response: The Licensed Internal Code found a condition that should not have occurred.

Failing Item:

- IOP
- AJDGP01

284B3002 284B3002

Explanation: Addressed device failed to respond to selection

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- FI01141
- FI01106

284B3006 284B3006

Explanation: System bus error

Failing Item:

- IOP
- ANYBUS
- FI01101

284B3020 284B3020

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

284B3021 284B3021

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

284B3022 284B3022

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

284B3023 284B3023

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

284B3080 284B3080

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01

284B3081 284B3081

Explanation: System log entry only, no service action required

284B3084 284B3084

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- AJDGP01
- IOP
- FI01104
- MA_BRDG

284B3087 284B3087

Explanation: I/O processor resource not available

Response: The Licensed Internal Code could not allocate resources on the I/O processor card.

Failing Item:

- AJDGP01
 - AJDG301
 - IOACNFG
 - FI01104
-

284B3100 284B3100

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

284B3101 284B3101

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

284B3102 284B3102

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

284B3103 284B3103

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

284B3109 284B3109

Explanation: I/O processor timed out a device command

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

284B3110 284B3110

Explanation: I/O processor card detected interface error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

284B3120 284B3120

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS
-

284B3121 284B3121

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not

284B3122 • 284B3205

operational. Remove the device.

Failing Item:

- SVCDOCS

284B3122 284B3122

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

284B3123 284B3123

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

284B3136 284B3136

Explanation: The removable media device is assigned elsewhere

Failing Item:

- USER
- FI01105

284B3140 284B3140

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

284B3141 284B3141

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

284B3142 284B3142

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3122 reference code that occurred before it require no service action,

since SCSI bus 2 is now operational.

284B3143 284B3143

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

284B3150 284B3150

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

284B3151 284B3151

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

284B3200 284B3200

Explanation: A tape/CD or disk device reported a failure

Failing Item:

- FI01105
- STORIOA
- IOP
- MEDIA

284B3203 284B3203

Explanation: Disk media format bad

Failing Item:

- FI01105

284B3205 284B3205

Explanation: Disk sector read error

Response: Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item:

- FI01105

284B3215 **284B3215**
Explanation: Disk sector read error**Response:** Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.**Failing Item:**

- FI01105
-

284B3250 **284B3250****Explanation:** Disk unit requires initialization before use.**Response:** Perform a D-IPL and work on errors found in the log.**Failing Item:**

- USER
-

284B3300 **284B3300****Explanation:** Storage unit detected a media problem**Failing Item:**

- IOPIP01
 - MEDIA
 - FI00121
 - FI01141
-

284B3400 **284B3400****Explanation:** I/O processor card detected device error**Response:** NOTE: If external devices are attached check EXTSCSI and DEVTERM first.**Failing Item:**

- FI02112
 - STORIOA
 - FI01106
 - DEVTERM
 - FI01140
-

284B3401 **284B3401****Explanation:** Device backplane problem**Failing Item:**

- DEVBPLN
-

284B3501 **284B3501****Explanation:** I/O processor Licensed Internal Code error**Failing Item:**

- AJDGP01
 - IOP
-

284B3600 **284B3600****Explanation:** System log entry only, no service action required**284B3601** **284B3601****Explanation:** System log entry only, no service action required**284B6070** **284B6070****Explanation:** A permanent I/O processor failure occurred**Failing Item:**

- IOP
-

284B6071 **284B6071****Explanation:** I/O processor Licensed Internal Code error**Failing Item:**

- AJDGP01
-

284B6072 **284B6072****Explanation:** I/O processor Licensed Internal Code error**Failing Item:**

- AJDGP01
 - IOP
-

284B6073 **284B6073****Explanation:** IPL device not ready**Failing Item:**

- MEDIA
 - FI01105
 - USER
-

284B6075 **284B6075****Explanation:** I/O processor resource not available**Failing Item:**

- AJDGP01
-

284B6076 **284B6076****Explanation:** I/O processor card detected media error**Failing Item:**

- MEDIA
 - AJDGP01
 - FI01105
-

284B6081 284B6081

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

284B6082 284B6082

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

284B6083 284B6083

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

284B6085 284B6085

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP
- MA_BRDG

284B6200 284B6200

Explanation: A permanent IOA hardware error occurred

Failing Item:

- FCIOA
- OPT_CLN

284B6201 284B6201

Explanation: IOA LID is not valid

Failing Item:

- AJDGP01

284B6602 284B6602

Explanation: An I/O processor Licensed Internal Code error occurred.

Failing Item:

- AJDGP01

284B8000 284B8000

Explanation: A permanent IOP or cache adapter card failure occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- STORIOA
- CACHE

284B8002 284B8002

Explanation: A permanent cache adapter card failure occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
- STORIOA

284B8004 284B8004

Explanation: Voltage drop detected on I/O processor 5 volt power supply.

Failing Item:

- FI01141
- STORIOA

284B8005 284B8005

Explanation: A recoverable IOP or cache adapter card error occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- STORIOA
- CACHE

284B8007 284B8007

Explanation: A recoverable cache adapter card error occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
- STORIOA

284B8010 **284B8010**

Explanation: A permanent cache adapter card failure occurred.

Response: The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

284B8011 **284B8011**

Explanation: A permanent cache adapter card failure occurred.

Response: The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

284B8100 **284B8100**

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

284B8130 **284B8130**

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

284B8131 **284B8131**

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

284B8132 **284B8132**

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action

is required. This reference code is logged for information only.

284B8133 **284B8133**

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

284B8140 **284B8140**

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

284B8141 **284B8141**

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

284B8145 **284B8145**

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- STORIOA
-

284B8146 **284B8146**

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105
-

284B8150 **284B8150**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA
 - ANYBRDG
-

284B8151 **284B8151**

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - STORIOA
-

284B8155 284B8155

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

284B8156 284B8156

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

284B8157 284B8157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS

284B8200 284B8200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

284B8300 284B8300

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- STORIOA
- IOP
- AJDGP01

284B8301 284B8301

Explanation: Not valid condition in I/O Processor Licensed Internal Code

Response: The Licensed Internal Code found a condition that should not have occurred.

Failing Item:

- FI01101
- AJDGP01
- IOP

284B8400 284B8400

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01

284B9000 284B9000

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
- STORIOA

284B9001 284B9001

Explanation: I/O processor card detected device configuration error

Failing Item:

- IOPIP33

284B9002 284B9002

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- BACKPLN
- FI01106

284B9008 284B9008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- IOPIP25

284B9009 **284B9009**

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS
-

284B9010 **284B9010**

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- IOPIP31
-

284B9011 **284B9011**

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- IOPIP32
-

284B9012 **284B9012**

Explanation: IOP requires a cache adapter card but cannot find it.

Response: The cache adapter card is missing or broken.

Failing Item:

- IOPIP29
 - CACHE
-

284B9013 **284B9013**

Explanation: The IOP and attached cache adapter card are not compatible.

Failing Item:

- IOPIP19
-

284B9020 **284B9020**

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

284B9021 **284B9021**

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

284B9022 **284B9022**

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

284B9023 **284B9023**

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

284B9024 **284B9024**

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

284B9025 **284B9025**

Explanation: Disk unit is not supported at its physical location.

Failing Item:

- IOPIP21
-

284B9026 **284B9026**

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

284B9027 **284B9027**

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP34
-

284B9028 **284B9028**

Explanation: Incorrect hardware configuration change has been detected.

Response: Reduce the number of arrays on IOP. Either move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item:

- SVCDOCS
-

284B9029 284B9029

Explanation: Incorrect hardware configuration change has been detected.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

284B902F 284B902F

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

284B9030 284B9030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- IOPIP21

284B9031 284B9031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

284B9040 284B9040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

284B9041 284B9041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- AJDGP01

284B9050 284B9050

Explanation: Required cache data cannot be located for a disk unit.

Failing Item:

- IOPIP30

284B9051 284B9051

Explanation: IOP cache data exists for a missing or failed device.

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27

284B9052 284B9052

Explanation: Cache data exists for device that has been modified.

Failing Item:

- IOPIP28

284B9053 284B9053

Explanation: IOP resources not available due to previous problems.

Response: Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS

284B9054 284B9054

Explanation: IOP resources not available due to previous problems.

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS

284B9081 284B9081

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
- STORIOA

284B9082 **284B9082**

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

284B9090 **284B9090**

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

284B9091 **284B9091**

Explanation: Incorrect hardware configuration change has been detected.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

284B9092 **284B9092**

Explanation: Disk unit requires initialization before use.

Failing Item:

- IOPIP26
-

284BB3B1 **284BB3B1**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

284BB3B2 **284BB3B2**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

284BB3B3 **284BB3B3**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

284BB3B4 **284BB3B4**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

284BB3B5 **284BB3B5**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

284BB3B6 **284BB3B6**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

284BB3B7 **284BB3B7**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

284BB3B8 **284BB3B8**

Explanation: Multi-adapter Bridge error detected

Failing Item:

- MA_BRDG
 - IOP
-

284BB3B9 **284BB3B9**

Explanation: A permanent I/O processor failure occurred

Failing Item:

284BB3E0 • 284BFF6D

- IOP

284BB3E0 284BB3E0

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
- MA_BRDG

284BB3E1 284BB3E1

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
- MA_BRDG

284BB410 284BB410

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA

284BB411 284BB411

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA

284BB412 284BB412

Explanation: Tape/CD or disk bus interface error occurred

Failing Item:

- IOPIP16
- FI01107
- FI01140
- STORIOA
- DEVTERM

284BB935 284BB935

Explanation: Unknown hardware detected

Failing Item:

- FI01101
- AJDGP01
- IOP
- MA_BRDG

284BBE00 284BBE00

Explanation: I/O processor detected a fault condition

Failing Item:

- AJDGP01
- IOP
- FI01104
- MA_BRDG

284BFF3D 284BFF3D

Explanation: I/O adapter detected recoverable error

Failing Item:

- STORIOA
- ANYBRDG

284BFF6D 284BFF6D

Explanation: I/O processor detected a recoverable system bus error

Failing Item:

- IOP
- ANYBUS

(2875) Reference codes

28751511 28751511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
 - DEVBPLN
 - SASEXP
-

28751515 28751515

Explanation: A fatal error occurred on power supply 1

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
 - DEVBPLN
 - SASEXP
-

28751521 28751521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
 - DEVBPLN
 - SASEXP
-

28751525 28751525

Explanation: A fatal error occurred on power supply 2

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
 - DEVBPLN
 - SASEXP
-

28753002 28753002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- SASEXP
 - SASCABL
 - STORIOA
 - DEVBPLN
-

28753109 28753109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- SASEXP
 - SASCABL
 - STORIOA
 - DEVBPLN
-

28757614 28757614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN
-

28757624 28757624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN
-

28757634 28757634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN
-

28757644 28757644

Explanation: A fatal error occurred on fan 4

Failing Item:

- DISKFAN

28758404 • 2875FFF4

28758404 28758404

Explanation: System log entry only, no service action required

2875FFF4 2875FFF4

Explanation: Device backplane problem

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

(2876) Reference codes

28761511 28761511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
 - DEVBPLN
 - SASEXP
-

28761515 28761515

Explanation: A fatal error occurred on power supply 1

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
 - DEVBPLN
 - SASEXP
-

28761521 28761521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
 - DEVBPLN
 - SASEXP
-

28761525 28761525

Explanation: A fatal error occurred on power supply 2

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
 - DEVBPLN
 - SASEXP
-

28763002 28763002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- SASEXP
 - SASCABL
 - STORIOA
 - DEVBPLN
-

28763109 28763109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- SASEXP
 - SASCABL
 - STORIOA
 - DEVBPLN
-

28767614 28767614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN
-

28767624 28767624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN
-

28767634 28767634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN
-

28767644 28767644

Explanation: A fatal error occurred on fan 4

Failing Item:

- DISKFAN

28768404 • 2876FFF4

28768404 28768404

Explanation: System log entry only, no service action required

2876FFF4 2876FFF4

Explanation: Device backplane problem

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

(2890) Reference codes

28900A17 28900A17

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
- MA_BRDG
- AJDG301
- AJDGP01

28900A22 28900A22

Explanation: Adapter card storage error

Failing Item:

- AJDGP01
- AJDG301
- IOP
- MA_BRDG

28901307 28901307

Explanation: I/O adapter resource not available.

Failing Item:

- AJDGP01
- AJDG301

28901310 28901310

Explanation: I/O adapter resource not available.

Response: The INS processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

Failing Item:

- IOP
- AJDGP01

28903000 28903000

Explanation: An I/O adapter failure occurred.

Failing Item:

- IOP
- AJDGP01

28903001 28903001

Explanation: I/O adapter Licensed Internal Code failed.

Failing Item:

- IOP
- AJDGP01

28903006 28903006

Explanation: An I/O adapter failure occurred.

Failing Item:

- IOP
- ANYBUS

28903080 28903080

Explanation: I/O adapter Licensed Internal Code failed.

Failing Item:

- AJDGP01

28903081 28903081

Explanation: I/O adapter error; logged only.

28903084 28903084

Explanation: An I/O adapter failure occurred.

Failing Item:

- AJDGP01
- IOP
- IOA
- MA_BRDG

28903087 28903087

Explanation: I/O adapter resource not available.

Failing Item:

- AJDGP01
- AJDG301
- NTUSER
- IOA

28906070 28906070

Explanation: An I/O adapter failure occurred.

Failing Item:

- IOP

28906071 28906071

28906072 • 28906226

Explanation: I/O adapter Licensed Internal Code failed.

Failing Item:

- AJDGP01

28906072 28906072

Explanation: I/O adapter Licensed Internal Code failed.

Failing Item:

- AJDGP01
- IOP

28906075 28906075

Explanation: I/O adapter resource not available.

Failing Item:

- AJDGP01

28906083 28906083

Explanation: I/O adapter Licensed Internal Code failed.

Failing Item:

- AJDGP01
- IOP

28906085 28906085

Explanation: I/O adapter Licensed Internal Code failed.

Failing Item:

- AJDGP01
- IOP
- MA_BRDG

28906201 28906201

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
- AJDGP01

28906202 28906202

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

28906210 28906210

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01

28906221 28906221

Explanation: I/O processor resource not available

Failing Item:

- AJDG301

28906222 28906222

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- IOP

28906223 28906223

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
- AJDGP01

28906224 28906224

Explanation: A permanent I/O processor failure occurred

Failing Item:

- DISKIMG
- AJDGP01
- IOP
- MEMORY

28906225 28906225

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- AJDG301
- IOP

28906226 28906226

Explanation: I/O processor card detected device error

Failing Item:

- AJDG301

- AS4NTDD

28906227 28906227

Explanation: A HostLAN error was detected

Failing Item:

- NTUSER
- AJDGP01
- IOP

28906228 28906228

Explanation: Windows initiated a warm boot

Failing Item:

- AJDGP01
- IOP

28906501 28906501

Explanation: A Windows fatal error occurred

Failing Item:

- IOP
- AJDGP01

28906502 28906502

Explanation: A Windows fatal error occurred

Failing Item:

- AJDGP01
- IOP

28906530 28906530

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTVSCSI
- NTOPSYS

28906531 28906531

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTVSCSI
- AS4NTDD
- NTOPSYS
- AJDGP01

28906532 28906532

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTOPSYS

- AJDGP01
- AS4NTDD

28906533 28906533

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTUSER
- NTOPSYS
- AS4NTDD

28906534 28906534

Explanation: A Virtual SCSI error was detected.

Failing Item:

- AS4NTDD
- AJDGP01
- NTOPSYS

28906535 28906535

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTUSER
- NTDEVDR
- AJDGP01

28906538 28906538

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTVSCSI
- NTOPSYS

28906539 28906539

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTVSCSI
- AS4NTDD
- NTOPSYS
- AJDGP01

2890653A 2890653A

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTOPSYS
- AJDGP01
- AS4NTDD

2890653B **2890653B****Explanation:** A Virtual SCSI error was detected.**Failing Item:**

- NTUSER
 - NTOPSYS
 - AS4NTDD
-

2890653C **2890653C****Explanation:** A Virtual SCSI error was detected.**Failing Item:**

- AS4NTDD
 - AJDGP01
 - NTOPSYS
-

2890653D **2890653D****Explanation:** A Virtual SCSI error was detected.**Failing Item:**

- NTUSER
 - NTDEVDR
 - AJDGP01
-

2890653F **2890653F****Explanation:** A Virtual SCSI error was detected.**Failing Item:**

- NTDEVDR
 - NTOPSYS
 - AJDG301
-

28906540 **28906540****Explanation:** A Virtual SCSI error was detected.**Failing Item:**

- NTVSCSI
 - AJDGP01
 - AJDG301
-

28906541 **28906541****Explanation:** A permanent I/O processor failure occurred**Failing Item:**

- IOP
 - AJDGP01
-

28906542 **28906542****Explanation:** Licensed Internal Code error detected.**Failing Item:**

- AJDG301
 - AJDGP01
-

28906543 **28906543****Explanation:** A Windows fatal error occurred**Failing Item:**

- NTOPSYS
 - NTVSCSI
-

28906580 **28906580****Explanation:** A Windows fatal error occurred**Failing Item:**

- DISKIMG
 - IOP
 - AJDGP01
-

289065B0 **289065B0****Explanation:** A HostLAN error was detected**Failing Item:**

- NTLANDD
 - NTOPSYS
-

289065B1 **289065B1****Explanation:** A HostLAN error was detected**Failing Item:**

- NTLANDD
 - NTOPSYS
 - AJDG301
-

289065B2 **289065B2****Explanation:** A HostLAN error was detected**Failing Item:**

- NTDEVDR
 - NTOPSYS
 - AJDG301
-

28908301 **28908301****Explanation:** An I/O adapter failure occurred.**Failing Item:**

- AJDGP01
- IOP

2890B3B1 **2890B3B1**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2890B3B2 **2890B3B2**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2890B3B3 **2890B3B3**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2890B3B4 **2890B3B4**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2890B3B5 **2890B3B5**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2890B3B6 **2890B3B6**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2890B3B7 **2890B3B7**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2890B3B8 **2890B3B8**

Explanation: Multi-adapter bridge error detected.

Failing Item:

- MA_BRDG

- IOP
-

2890B3B9 **2890B3B9**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2890B3E0 **2890B3E0**

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
 - MA_BRDG
-

2890B3E1 **2890B3E1**

Explanation: An I/O adapter failure occurred.

Failing Item:

- IOP
 - MA_BRDG
-

2890B4B0 **2890B4B0**

Explanation: I/O adapter hardware error detected

Failing Item:

- IOP
-

2890B4B1 **2890B4B1**

Explanation: I/O adapter hardware error detected

Failing Item:

- IOP
 - MEMORY
-

2890B4B2 **2890B4B2**

Explanation: Incompatible hardware detected.

Failing Item:

- IOP
-

2890B4B3 **2890B4B3**

Explanation: Incompatible hardware detected.

Failing Item:

- IOA
-

2890B4B4 **2890B4B4**

Explanation: I/O adapter hardware error detected

Failing Item:

- IOP

2890B4B5 • 2890BE00

- IOA
- MEMORY

2890B4B5 2890B4B5

Explanation: An I/O adapter failure occurred.

Failing Item:

- AJDGP01
- IOP

2890B4B8 2890B4B8

Explanation: Adapter card storage error

Failing Item:

- MEMORY
- IOP

2890B4B9 2890B4B9

Explanation: An I/O adapter failure occurred.

Failing Item:

- IOP

2890B4BC 2890B4BC

Explanation: I/O adapter error; logged only.

Failing Item:

- IOP
- IOA

2890B4BE 2890B4BE

Explanation: Adapter card storage error

Failing Item:

- MEMORY
- IOP

2890B904 2890B904

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- IOP

2890B935 2890B935

Explanation: Incompatible hardware detected.

Failing Item:

- IOA
- AJDGP01
- IOP

- MA_BRDG

2890B960 2890B960

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP
- IOA

2890B961 2890B961

Explanation: An error was detected on one of the attached adapter cards.

Failing Item:

- IOA
- IOP
- AJDGP01

2890BE00 2890BE00

Explanation: An I/O adapter failure occurred.

Failing Item:

- AJDGP01
- IOP
- IOA
- MA_BRDG

(2892) Reference codes

28920A17 28920A17

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
- MA_BRDG
- AJDG301
- AJDGP01

28920A22 28920A22

Explanation: Adapter card storage error

Failing Item:

- AJDGP01
- AJDG301
- IOP
- MA_BRDG

28921307 28921307

Explanation: I/O adapter resource not available.

Failing Item:

- AJDGP01
- AJDG301

28921310 28921310

Explanation: I/O adapter resource not available.

Response: The INS processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

Failing Item:

- IOP
- AJDGP01

28921317 28921317

Explanation: I/O processor card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates to replace hardware, then replace hardware. If the Failing Item indicates SVCDOCS, then do NOT replace hardware. This is a recoverable error. If the resource is not operable, use Hardware Service Manager to re-IPL the resource. Perform the VRYCFG command to Vary On the NWSD.

Failing Item:

- SVCDOCS

28923000 28923000

Explanation: An I/O adapter failure occurred.

Failing Item:

- IOP
- AJDGP01

28923001 28923001

Explanation: I/O adapter Licensed Internal Code failed.

Failing Item:

- IOP
- AJDGP01

28923006 28923006

Explanation: An I/O adapter failure occurred.

Failing Item:

- IOP
- ANYBUS

28923080 28923080

Explanation: I/O adapter Licensed Internal Code failed.

Failing Item:

- AJDGP01

28923081 28923081

Explanation: I/O adapter error; logged only.

28923084 28923084

Explanation: An I/O adapter failure occurred.

Failing Item:

- AJDGP01
- IOP
- IOA
- MA_BRDG

28923087 28923087

Explanation: I/O adapter resource not available.

Failing Item:

28926070 • 28926223

- AJDGP01
- AJDG301
- NTUSER
- IOA

28926070 28926070

Explanation: An I/O adapter failure occurred.

Failing Item:

- IOP

28926071 28926071

Explanation: I/O adapter Licensed Internal Code failed.

Failing Item:

- AJDGP01

28926072 28926072

Explanation: I/O adapter Licensed Internal Code failed.

Failing Item:

- AJDGP01
- IOP

28926075 28926075

Explanation: I/O adapter resource not available.

Failing Item:

- AJDGP01

28926083 28926083

Explanation: I/O adapter Licensed Internal Code failed.

Failing Item:

- AJDGP01
- IOP

28926085 28926085

Explanation: I/O adapter Licensed Internal Code failed.

Failing Item:

- AJDGP01
- IOP
- MA_BRDG

28926201 28926201

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
- AJDGP01

28926202 28926202

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

28926204 28926204

Explanation: I/O adapter failure due to a thermal condition

Failing Item:

- IOP

28926210 28926210

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01

28926221 28926221

Explanation: I/O processor resource not available

Failing Item:

- AJDG301

28926222 28926222

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- IOP

28926223 28926223

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
 - AJDGP01
-

 28926224 28926224

Explanation: A permanent I/O processor failure occurred

Failing Item:

- DISKIMG
 - AJDGP01
 - IOP
 - MEMORY
-

28926225 28926225

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
 - AJDG301
 - IOP
-

28926226 28926226

Explanation: I/O processor card detected device error

Failing Item:

- AJDG301
 - AS4NTDD
-

28926227 28926227

Explanation: A HostLAN error was detected

Failing Item:

- NTUSER
 - AJDGP01
 - IOP
-

28926228 28926228

Explanation: Windows initiated a warm boot

Failing Item:

- AJDGP01
 - IOP
-

28926501 28926501

Explanation: A Windows fatal error occurred

Failing Item:

- IOP
 - AJDGP01
-

28926502 28926502

Explanation: A Windows fatal error occurred

Failing Item:

- AJDGP01
 - IOP
-

28926530 28926530

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTVSCSI
 - NTOPSYS
-

28926531 28926531

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTVSCSI
 - AS4NTDD
 - NTOPSYS
 - AJDGP01
-

28926532 28926532

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTOPSYS
 - AJDGP01
 - AS4NTDD
-

28926533 28926533

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTUSER
 - NTOPSYS
 - AS4NTDD
-

28926534 28926534

Explanation: A Virtual SCSI error was detected.

Failing Item:

- AS4NTDD
 - AJDGP01
 - NTOPSYS
-

28926535 28926535

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTUSER
-

28926538 • 289265B0

- NTDEVDR
- AJDGP01

28926538 28926538

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTVSCSI
- NTOPSYS

28926539 28926539

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTVSCSI
- AS4NTDD
- NTOPSYS
- AJDGP01

2892653A 2892653A

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTOPSYS
- AJDGP01
- AS4NTDD

2892653B 2892653B

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTUSER
- NTOPSYS
- AS4NTDD

2892653C 2892653C

Explanation: A Virtual SCSI error was detected.

Failing Item:

- AS4NTDD
- AJDGP01
- NTOPSYS

2892653D 2892653D

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTUSER
- NTDEVDR
- AJDGP01

2892653F 2892653F

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTDEVDR
- NTOPSYS
- AJDG301

28926540 28926540

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTVSCSI
- AJDGP01
- AJDG301

28926541 28926541

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
- AJDGP01

28926542 28926542

Explanation: Licensed Internal Code error detected.

Failing Item:

- AJDG301
- AJDGP01

28926543 28926543

Explanation: A Windows fatal error occurred

Failing Item:

- NTOPSYS
- NTVSCSI

28926580 28926580

Explanation: A Windows fatal error occurred

Failing Item:

- DISKIMG
- IOP
- AJDGP01

289265B0 289265B0

Explanation: A HostLAN error was detected

Failing Item:

- NTLANDD
- NTOPSYS

289265B1 **289265B1**

Explanation: A HostLAN error was detected

Failing Item:

- NTLANDD
 - NTOPSYS
 - AJDG301
-

289265B2 **289265B2**

Explanation: A HostLAN error was detected

Failing Item:

- NTDEVDR
 - NTOPSYS
 - AJDG301
-

28928301 **28928301**

Explanation: An I/O adapter failure occurred.

Failing Item:

- AJDGP01
 - IOP
-

2892B3B1 **2892B3B1**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2892B3B2 **2892B3B2**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2892B3B3 **2892B3B3**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2892B3B4 **2892B3B4**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2892B3B5 **2892B3B5**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2892B3B6 **2892B3B6**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2892B3B7 **2892B3B7**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2892B3B8 **2892B3B8**

Explanation: Multi-adapter bridge error detected.

Failing Item:

- MA_BRDG
 - IOP
-

2892B3B9 **2892B3B9**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

2892B3E0 **2892B3E0**

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
 - MA_BRDG
-

2892B3E1 **2892B3E1**

Explanation: An I/O adapter failure occurred.

Failing Item:

- IOP
 - MA_BRDG
-

2892B4B0 • 2892B961

2892B4B0 2892B4B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOP

2892B4B1 2892B4B1

Explanation: I/O adapter hardware error detected

Failing Item:

- IOP
- MEMORY

2892B4B2 2892B4B2

Explanation: Incompatible hardware detected.

Failing Item:

- IOP

2892B4B3 2892B4B3

Explanation: Incompatible hardware detected.

Failing Item:

- IOA

2892B4B4 2892B4B4

Explanation: I/O adapter hardware error detected

Failing Item:

- IOP
- IOA
- MEMORY

2892B4B5 2892B4B5

Explanation: An I/O adapter failure occurred.

Failing Item:

- AJDGP01
- IOP

2892B4B8 2892B4B8

Explanation: Adapter card storage error

Failing Item:

- MEMORY
- IOP

2892B4B9 2892B4B9

Explanation: An I/O adapter failure occurred.

Failing Item:

- IOP

2892B4BC 2892B4BC

Explanation: I/O adapter error; logged only.

Failing Item:

- IOP
- IOA

2892B4BE 2892B4BE

Explanation: Adapter card storage error

Failing Item:

- MEMORY
- IOP

2892B904 2892B904

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- IOP

2892B935 2892B935

Explanation: Incompatible hardware detected.

Failing Item:

- IOA
- AJDGP01
- IOP
- MA_BRDG

2892B960 2892B960

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP
- IOA

2892B961 2892B961

Explanation: An error was detected on one of the attached adapter cards.

Failing Item:

- IOA
- IOP
- AJDGP01

2892BE00 2892BE00

Explanation: An I/O adapter failure occurred.

Failing Item:

- AJDGP01
- IOP
- IOA
- MA_BRDG

(28A6) Reference codes

28A61511 28A61511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

28A61515 28A61515

Explanation: A fatal error occurred on power supply 1

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

28A61521 28A61521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

28A61525 28A61525

Explanation: A fatal error occurred on power supply 2

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

28A63002 28A63002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

28A63109 28A63109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

28A67614 28A67614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN

28A67624 28A67624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN

28A67634 28A67634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN

28A67644 28A67644

Explanation: A fatal error occurred on fan 4

Failing Item:

- DISKFAN

28A68404 • 28A6FFF4

28A68404 28A68404

Explanation: System log entry only, no service action required

28A6FFF4 28A6FFF4

Explanation: Device backplane problem

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

(28A8) Reference codes

28A81511 28A81511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
 - DEVBPLN
 - SASEXP
-

28A81515 28A81515

Explanation: A fatal error occurred on power supply 1

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
 - DEVBPLN
 - SASEXP
-

28A81521 28A81521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
 - DEVBPLN
 - SASEXP
-

28A81525 28A81525

Explanation: A fatal error occurred on power supply 2

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
 - DEVBPLN
 - SASEXP
-

28A83002 28A83002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- SASEXP
 - SASCABL
 - STORIOA
 - DEVBPLN
-

28A83109 28A83109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- SASEXP
 - SASCABL
 - STORIOA
 - DEVBPLN
-

28A87614 28A87614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN
-

28A87624 28A87624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN
-

28A87634 28A87634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN
-

28A87644 28A87644

Explanation: A fatal error occurred on fan 4

Failing Item:

- DISKFAN

28A88404 • 28A8FFF4

28A88404 28A88404

Explanation: System log entry only, no service action required

28A8FFF4 28A8FFF4

Explanation: Device backplane problem

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

(28B9) Reference codes

28B91511 28B91511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DISKFAN
- FI01106
- DEVBPLN

28B91515 28B91515

Explanation: A fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DISKFAN
- FI01106
- DEVBPLN

28B91521 28B91521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DISKFAN
- FI01106
- DEVBPLN

28B91525 28B91525

Explanation: A fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DISKFAN
- FI01106
- DEVBPLN

28B93002 28B93002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- DEVBPLN
- STORIOA
- FI01140
- FI01106

28B93109 28B93109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- DEVBPLN
- STORIOA
- FI01140
- FI01106

28B97611 28B97611

Explanation: A fatal error occurred on redundant fan 1

Failing Item:

- DISKFAN

28B97614 28B97614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN

28B97621 28B97621

Explanation: A fatal error occurred on redundant fan 2

Failing Item:

- DISKFAN

28B97624 28B97624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN

28B97631 28B97631

Explanation: A fatal error occurred on redundant fan 3

Failing Item:

- DISKFAN

28B97634 28B97634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN

28B98401 • 28B9FFF4

28B98401 28B98401

Explanation: Removable media power fault

Failing Item:

- DEVBPLN

28B98404 28B98404

Explanation: System log entry only, no service action required

28B9FFF4 28B9FFF4

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
- STORIOA
- FI01140
- FI01106

(28CB) Reference codes

28CB1511 28CB1511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DISKFAN
- FI01106
- DEVBPLN

28CB1515 28CB1515

Explanation: A fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DISKFAN
- FI01106
- DEVBPLN

28CB1521 28CB1521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DISKFAN
- FI01106
- DEVBPLN

28CB1525 28CB1525

Explanation: A fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DISKFAN
- FI01106
- DEVBPLN

28CB3002 28CB3002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- DEVBPLN
- STORIOA
- FI01140
- FI01106

28CB3109 28CB3109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- DEVBPLN
- STORIOA
- FI01140
- FI01106

28CB7611 28CB7611

Explanation: A fatal error occurred on redundant fan 1

Failing Item:

- DISKFAN

28CB7614 28CB7614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN

28CB7621 28CB7621

Explanation: A fatal error occurred on redundant fan 2

Failing Item:

- DISKFAN

28CB7624 28CB7624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN

28CB7631 28CB7631

Explanation: A fatal error occurred on redundant fan 3

Failing Item:

- DISKFAN

28CB7634 28CB7634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN

28CB8401 • 28CBFFF4

28CB8401 28CB8401

Explanation: Removable media power fault

Failing Item:

- DEVBPLN

28CB8404 28CB8404

Explanation: System log entry only, no service action required

28CBFFF4 28CBFFF4

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
- STORIOA
- FI01140
- FI01106

(28CC) Reference codes

28CC1511 28CC1511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DISKFAN
- FI01106
- DEVBPLN

28CC1515 28CC1515

Explanation: A fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DISKFAN
- FI01106
- DEVBPLN

28CC1521 28CC1521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DISKFAN
- FI01106
- DEVBPLN

28CC1525 28CC1525

Explanation: A fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DISKFAN
- FI01106
- DEVBPLN

28CC3002 28CC3002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- DEVBPLN
- STORIOA
- FI01140
- FI01106

28CC3109 28CC3109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- DEVBPLN
- STORIOA
- FI01140
- FI01106

28CC7611 28CC7611

Explanation: A fatal error occurred on redundant fan 1

Failing Item:

- DISKFAN

28CC7614 28CC7614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN

28CC7621 28CC7621

Explanation: A fatal error occurred on redundant fan 2

Failing Item:

- DISKFAN

28CC7624 28CC7624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN

28CC7631 28CC7631

Explanation: A fatal error occurred on redundant fan 3

Failing Item:

- DISKFAN

28CC7634 28CC7634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN

28CC8401 • 28CCFFF4

28CC8401 28CC8401

Explanation: Removable media power fault

Failing Item:

- DEVBPLN

28CC8404 28CC8404

Explanation: System log entry only, no service action required

28CCFFF4 28CCFFF4

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
- STORIOA
- FI01140
- FI01106

(293C) Reference codes

293C1511 293C1511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

293C1515 293C1515

Explanation: A fatal error occurred on power supply 1

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

293C1521 293C1521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

293C1525 293C1525

Explanation: A fatal error occurred on power supply 2

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

293C3002 293C3002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

293C3109 293C3109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

293C7614 293C7614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN

293C7624 293C7624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN

293C7634 293C7634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN

293C7644 293C7644

Explanation: A fatal error occurred on fan 4

Failing Item:

- DISKFAN

293C8404 • 293CFFF4

293C8404 293C8404

Explanation: System log entry only, no service action required

293CFFF4 293CFFF4

Explanation: Device backplane problem

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

(293D) Reference codes

293D1511 293D1511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

293D1515 293D1515

Explanation: A fatal error occurred on power supply 1

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

293D1521 293D1521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

293D1525 293D1525

Explanation: A fatal error occurred on power supply 2

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

293D3002 293D3002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

293D3109 293D3109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

293D7614 293D7614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN

293D7624 293D7624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN

293D7634 293D7634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN

293D7644 293D7644

Explanation: A fatal error occurred on fan 4

Failing Item:

- DISKFAN

293D8404 • 293DFFF4

293D8404 293D8404

Explanation: System log entry only, no service action required

293DFFF4 293DFFF4

Explanation: Device backplane problem

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

(297D) Reference codes

297D1511 297D1511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
 - DEVBPLN
 - SASEXP
-

297D1515 297D1515

Explanation: A fatal error occurred on power supply 1

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
 - DEVBPLN
 - SASEXP
-

297D1521 297D1521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
 - DEVBPLN
 - SASEXP
-

297D1525 297D1525

Explanation: A fatal error occurred on power supply 2

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
 - DEVBPLN
 - SASEXP
-

297D3002 297D3002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- SASEXP
 - SASCABL
 - STORIOA
 - DEVBPLN
-

297D3109 297D3109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- SASEXP
 - SASCABL
 - STORIOA
 - DEVBPLN
-

297D7614 297D7614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN
-

297D7624 297D7624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN
-

297D7634 297D7634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN
-

297D7644 297D7644

Explanation: A fatal error occurred on fan 4

Failing Item:

- DISKFAN

297D8404 • 297DFFF4

297D8404 297D8404

Explanation: System log entry only, no service action required

297DFFF4 297DFFF4

Explanation: Device backplane problem

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

(2A39) Reference codes

2A391511 2A391511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

2A391515 2A391515

Explanation: A fatal error occurred on power supply 1

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

2A391521 2A391521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

2A391525 2A391525

Explanation: A fatal error occurred on power supply 2

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

2A393002 2A393002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

2A393109 2A393109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

2A397614 2A397614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN

2A397624 2A397624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN

2A397634 2A397634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN

2A397644 2A397644

Explanation: A fatal error occurred on fan 4

Failing Item:

- DISKFAN

2A398404 • 2A39FFF4

2A398404 2A398404

Explanation: System log entry only, no service action required

2A39FFF4 2A39FFF4

Explanation: Device backplane problem

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

(2B4C) Reference codes

2B4C1310 2B4C1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

2B4C3000 2B4C3000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

2B4C3020 2B4C3020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP4150

2B4C3100 2B4C3100

Explanation: Device bus interface error occurred

Failing Item:

- SIP4150

2B4C3140 2B4C3140

Explanation: System log entry only. No service action required.

2B4C3202 2B4C3202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

2B4C3400 2B4C3400

Explanation: Unknown resource error

Response: For card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

1. The embedded storage adapter on the I/O backplane.
2. The RAID enablement card.

2B4C3401 • 2B4C4060

3. The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SIP4150
- FI02112
- STORIOA
- SASCABL

2B4C3401 2B4C3401

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

2B4C3405 2B4C3405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

2B4C34FF 2B4C34FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

2B4C3601 2B4C3601

Explanation: System log entry only. No service action required.

2B4C4010 2B4C4010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

2B4C4020 2B4C4020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

2B4C4030 2B4C4030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP4144

2B4C4040 2B4C4040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP4144

2B4C4041 2B4C4041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

2B4C4050 2B4C4050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

2B4C4060 2B4C4060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP4153
- SASCABL
- SASEXP

2B4C4061 2B4C4061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

2B4C4070 2B4C4070

Explanation: System log entry only. No service action required.

2B4C4100 2B4C4100

Explanation: Device bus fabric error

Response: For card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

1. The embedded storage adapter on the I/O backplane.
2. The RAID enablement card.
3. The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SIP4152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- FI01105

2B4C4101 2B4C4101

Explanation: Temporary device bus fabric error

Failing Item:

- SIP4152

2B4C4110 2B4C4110

Explanation: Unsupported enclosure function detected

Failing Item:

- SIP3145

2B4C4150 2B4C4150

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

2B4C4160 • 2B4C8008

- BACKPLN
- STORIOA

2B4C4160 2B4C4160

Explanation: I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

2B4C70DD 2B4C70DD

Explanation: Disrupt device command completed successfully.

2B4C8008 2B4C8008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

2B4C8009 2B4C8009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

2B4C8100 2B4C8100

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.

- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

2B4C8130 2B4C8130

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP4150

2B4C8140 2B4C8140

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP4150

2B4C8141 2B4C8141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

2B4C8145 2B4C8145

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

2B4C8146 2B4C8146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

2B4C8150 2B4C8150

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

2B4C8151 2B4C8151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

2B4C8155 2B4C8155

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

2B4C8156 2B4C8156

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

2B4C8157 2B4C8157

Explanation: I/O adapter card error

Response: The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

2B4C8300 2B4C8300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

2B4C8301 2B4C8301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

2B4C8302 2B4C8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

2B4C8400 • 2B4C9002

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

2B4C8400 2B4C8400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

2B4C8404 2B4C8404

Explanation: System log entry only. No service action required.

2B4C9000 2B4C9000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list

here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

2B4C9001 2B4C9001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

2B4C9002 2B4C9002

Explanation: Device error

Failing Item:

- NEXTLVL

2B4C9008 **2B4C9008**

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130
-

2B4C9010 **2B4C9010**

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120
-

2B4C9011 **2B4C9011**

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL
-

2B4C9020 **2B4C9020**

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

2B4C9021 **2B4C9021**

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

2B4C9022 **2B4C9022**

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

2B4C9023 **2B4C9023**

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112
-

2B4C9024 **2B4C9024**

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL
-

2B4C9025 **2B4C9025**

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
 - FI02112
-

2B4C9026 **2B4C9026**

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL
-

2B4C9027 **2B4C9027**

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113
-

2B4C9028 **2B4C9028**

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

2B4C9029 **2B4C9029**

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

2B4C9030 2B4C9030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
- FI02112

2B4C9031 2B4C9031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

2B4C9032 2B4C9032

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
- FI02112

2B4C9040 2B4C9040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

2B4C9041 2B4C9041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

2B4C9042 2B4C9042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

2B4C9050 2B4C9050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131

2B4C9051 2B4C9051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132

2B4C9052 2B4C9052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

2B4C9054 2B4C9054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121

2B4C9055 2B4C9055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

2B4C9070 2B4C9070

Explanation: System log entry only. No service action required.

2B4C9071 2B4C9071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

2B4C9072 2B4C9072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

2B4C9073 **2B4C9073**

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP4140

2B4C9074 **2B4C9074**

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP4141

2B4C9075 **2B4C9075**

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP4149

2B4C9076 **2B4C9076**

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP4147

2B4C9081 **2B4C9081**

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

2B4C9082 **2B4C9082**

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

2B4C9083 • 2B4CFF3D

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

2B4C9083 2B4C9083

Explanation: System log entry only. No service action required.

2B4C9084 2B4C9084

Explanation: System log entry only. No service action required.

2B4C9090 2B4C9090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

2B4C9091 2B4C9091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

2B4C9092 2B4C9092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

2B4C9500 2B4C9500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

2B4C9903 2B4C9903

Explanation: Tape device information was logged. Informational event, no service required.

2B4CC000 2B4CC000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

2B4CC402 2B4CC402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

2B4CFF3D 2B4CFF3D

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts.

Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

(2B56) Reference codes

2B56A001 2B56A001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDG301

2B56B9B0 2B56B9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- AJDG301

(2B57) Reference codes

2B57A001 2B57A001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDG301

2B57B9B0 2B57B9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- AJDG301

(2B6C) Reference codes

2B6CB904 **2B6CB904**

Explanation: I/O Adapter Licensed Internal Code failed

Failing Item:

- AJDGP01
- FI00719

2B6CB934 **2B6CB934**

Explanation: Incompatible hardware detected.

Failing Item:

- FI00719
- FI00718

2B6CB940 **2B6CB940**

Explanation: I/O adapter hardware error detected.

Failing Item:

- FI00719
- FI00718
- AJDGP01
- MA_BRDG

2B6CB941 **2B6CB941**

Explanation: One half of I/O adapter failed.

Failing Item:

- FI00719
- FI00718
- AJDGP01

2B6CB942 **2B6CB942**

Explanation: One half of I/O adapter failed.

Failing Item:

- FI00719
- FI00718
- AJDGP01

(2B74) Reference codes

2B74A001 2B74A001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDG301
-

2B74B9B0 2B74B9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- AJDG301

(2B93) Reference codes

2B933020 2B933020

Explanation: Configuration error on port 0

Response: Too many devices have been configured on port 0. Change the configuration.

Failing Item:

- SVCDOCS
-

2B933021 2B933021

Explanation: Configuration error on port 1

Response: Too many devices have been configured on port 1. Change the configuration.

Failing Item:

- SVCDOCS
-

2B933100 2B933100

Explanation: Interface error on port 0

Failing Item:

- FCINTF
 - ANYFC
 - FCIOA
 - OPT_CLN
-

2B933101 2B933101

Explanation: Interface error on port 1

Failing Item:

- FCINTF
 - ANYFC
 - FCIOA
 - OPT_CLN
-

2B933120 2B933120

Explanation: A port failure was detected on port 0

Failing Item:

- FCPORT
 - FCIOA
 - FCDEV
 - OPT_CLN
-

2B933121 2B933121

Explanation: A port failure was detected on port 1

Failing Item:

- FCPORT
 - FCIOA
 - FCDEV
 - OPT_CLN
-

2B933140 2B933140

Explanation: Port 0 is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

2B933141 2B933141

Explanation: Port 1 is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since the port is now operational.

2B933400 2B933400

Explanation: Device error

Failing Item:

- FCDEV
 - FCINTF
 - ANYFC
 - FCIOA
 - OPT_CLN
-

2B933405 2B933405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

2B9334FF • 2B93B000

- PTFSRCH

2B9334FF 2B9334FF

Explanation: Format in progress

Response: The device indicated that a format is in progress. When the format is complete, the device should be usable. No action is required. This reference code is logged for information only.

2B934150 2B934150

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- BACKPLN
- FCIOA

2B938100 2B938100

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- FCIOA

2B938130 2B938130

Explanation: Recovered Fibre Channel interface error on port 0

Response: No action required. This reference code is logged for information only.

2B938131 2B938131

Explanation: Recovered Fibre Channel interface error on port 1

Response: No action required. This reference code is logged for information only.

2B938150 2B938150

Explanation: A permanent I/O adapter failure occurred

Failing Item:

- FCIOA
- ANYBRDG
- OPT_CLN

2B938300 2B938300

Explanation: IOA hardware error or PCI bus error

Failing Item:

- FCIOA
- ANYBRDG
- PTFSRCH
- OPT_CLN

2B938301 2B938301

Explanation: Not valid condition in Licensed Internal Code

Failing Item:

- PTFSRCH
- FCIOA
- OPT_CLN

2B938302 2B938302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item:

- SVCDOCS
- FCIOA
- OPT_CLN

2B939500 2B939500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

2B939903 2B939903

Explanation: Tape device information was logged. Informational event, no service required.

2B93A001 2B93A001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDG301

2B93B000 2B93B000

Explanation: System log entry only, no service action required

Response: No action is required. This reference code is logged for information only.

2B93B402 2B93B402

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

2B93B9B0 2B93B9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- AJDG301

2B93C000 2B93C000

Explanation: System log entry only, no service action required

Response: No action is required. This reference code is logged for information only.

2B93C402 2B93C402

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

(2B9B) Reference codes

2B9B3020 **2B9B3020**

Explanation: Configuration error on port 0

Response: Too many devices have been configured on port 0. Change the configuration.

Failing Item:

- SVCDOCS

2B9B3021 **2B9B3021**

Explanation: Configuration error on port 1

Response: Too many devices have been configured on port 1. Change the configuration.

Failing Item:

- SVCDOCS

2B9B3100 **2B9B3100**

Explanation: Interface error on port 0

Failing Item:

- FCINTF
- ANYFC
- FCIOA
- OPT_CLN

2B9B3101 **2B9B3101**

Explanation: Interface error on port 1

Failing Item:

- FCINTF
- ANYFC
- FCIOA
- OPT_CLN

2B9B3120 **2B9B3120**

Explanation: A port failure was detected on port 0

Failing Item:

- FCPORT
- FCIOA
- FCDEV
- OPT_CLN

2B9B3121 **2B9B3121**

Explanation: A port failure was detected on port 1

Failing Item:

- FCPORT
- FCIOA
- FCDEV
- OPT_CLN

2B9B3140 **2B9B3140**

Explanation: Port 0 is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

2B9B3141 **2B9B3141**

Explanation: Port 1 is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since the port is now operational.

2B9B3400 **2B9B3400**

Explanation: Device error

Failing Item:

- FCDEV
- FCINTF
- ANYFC
- FCIOA
- OPT_CLN

2B9B3405 **2B9B3405**

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

2B9B34FF • 2B9BB402

- PTFSRCH

2B9B34FF 2B9B34FF

Explanation: Format in progress

Response: The device indicated that a format is in progress. When the format is complete, the device should be usable. No action is required. This reference code is logged for information only.

2B9B4150 2B9B4150

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- BACKPLN
- FCIOA

2B9B8100 2B9B8100

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- FCIOA

2B9B8130 2B9B8130

Explanation: Recovered Fibre Channel interface error on port 0

Response: No action required. This reference code is logged for information only.

2B9B8131 2B9B8131

Explanation: Recovered Fibre Channel interface error on port 1

Response: No action required. This reference code is logged for information only.

2B9B8150 2B9B8150

Explanation: A permanent I/O adapter failure occurred

Failing Item:

- FCIOA
- ANYBRDG
- OPT_CLN

2B9B8300 2B9B8300

Explanation: IOA hardware error or PCI bus error

Failing Item:

- FCIOA
- ANYBRDG
- PTFSRCH
- OPT_CLN

2B9B8301 2B9B8301

Explanation: Not valid condition in Licensed Internal Code

Failing Item:

- PTFSRCH
- FCIOA
- OPT_CLN

2B9B8302 2B9B8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item:

- SVCDOCS
- FCIOA
- OPT_CLN

2B9B9500 2B9B9500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

2B9B9903 2B9B9903

Explanation: Tape device information was logged. Informational event, no service required.

2B9BB000 2B9BB000

Explanation: System log entry only, no service action required

Response: No action is required. This reference code is logged for information only.

2B9BB402 2B9BB402

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

2B9BC000 2B9BC000

Explanation: System log entry only, no service action required

Response: No action is required. This reference code is logged for information only.

2B9BC402 2B9BC402

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

(2BBE) Reference codes

2BBE1511 2BBE1511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

2BBE1515 2BBE1515

Explanation: A fatal error occurred on power supply 1

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

2BBE1521 2BBE1521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

2BBE1525 2BBE1525

Explanation: A fatal error occurred on power supply 2

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

2BBE3002 2BBE3002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

2BBE3109 2BBE3109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

2BBE7614 2BBE7614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN

2BBE7624 2BBE7624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN

2BBE7634 2BBE7634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN

2BBE7644 2BBE7644

Explanation: A fatal error occurred on fan 4

Failing Item:

- DISKFAN

2BBE8404 • 2BBEFFF4

2BBE8404 2BBE8404

Explanation: System log entry only, no service action required

2BBEFFF4 2BBEFFF4

Explanation: Device backplane problem

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

(2BD6) Reference codes

2BD61511 2BD61511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

2BD61515 2BD61515

Explanation: A fatal error occurred on power supply 1

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

2BD61521 2BD61521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

2BD61525 2BD61525

Explanation: A fatal error occurred on power supply 2

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

2BD63002 2BD63002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

2BD63109 2BD63109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

2BD67614 2BD67614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN

2BD67624 2BD67624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN

2BD67634 2BD67634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN

2BD67644 2BD67644

Explanation: A fatal error occurred on fan 4

Failing Item:

- DISKFAN

2BD68404 • 2BD6FFF4

2BD68404 2BD68404

Explanation: System log entry only, no service action required

2BD6FFF4 2BD6FFF4

Explanation: Device backplane problem

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

(2BD8) Reference codes

2BD81511 2BD81511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

2BD81515 2BD81515

Explanation: A fatal error occurred on power supply 1

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

2BD81521 2BD81521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

2BD81525 2BD81525

Explanation: A fatal error occurred on power supply 2

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

2BD83002 2BD83002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

2BD83109 2BD83109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

2BD87614 2BD87614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN

2BD87624 2BD87624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN

2BD87634 2BD87634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN

2BD87644 2BD87644

Explanation: A fatal error occurred on fan 4

Failing Item:

- DISKFAN

2BD88404 • 2BD8FFF4

2BD88404 2BD88404

Explanation: System log entry only, no service action required

2BD8FFF4 2BD8FFF4

Explanation: Device backplane problem

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

(2BD9) Reference codes

2BD91310 2BD91310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

2BD93000 2BD93000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

2BD93020 2BD93020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP4150

2BD93100 2BD93100

Explanation: Device bus interface error occurred

Failing Item:

- SIP4150

2BD93140 2BD93140

Explanation: System log entry only. No service action required.

2BD93202 2BD93202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

2BD93400 2BD93400

Explanation: Unknown resource error

Response: For card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

1. The embedded storage adapter on the I/O backplane.
2. The RAID enablement card.

3. The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SIP4150
- FI02112
- STORIOA
- SASCABL

2BD93401 2BD93401

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

2BD93405 2BD93405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

2BD934FF 2BD934FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

2BD93601 2BD93601

Explanation: System log entry only. No service action required.

2BD94010 2BD94010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

2BD94020 2BD94020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

2BD94030 2BD94030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP4144

2BD94040 2BD94040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP4144

2BD94041 2BD94041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

2BD94050 2BD94050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

2BD94060 2BD94060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP4153
- SASCABL
- SASEXP

2BD94061 2BD94061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

2BD94070 2BD94070

Explanation: System log entry only. No service action required.

2BD94100 2BD94100

Explanation: Device bus fabric error

Response: For card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

1. The embedded storage adapter on the I/O backplane.
2. The RAID enablement card.
3. The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SIP4152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- FI01105

2BD94101 2BD94101

Explanation: Temporary device bus fabric error

Failing Item:

- SIP4152

2BD94110 2BD94110

Explanation: Unsupported enclosure function detected

Failing Item:

- SIP3145

2BD94150 2BD94150

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

2BD94160 • 2BD98008

- BACKPLN
- STORIOA

2BD94160 2BD94160

Explanation: I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

2BD970DD 2BD970DD

Explanation: Disrupt device command completed successfully.

2BD98008 2BD98008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

2BD98009 2BD98009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

2BD98100 2BD98100

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.

- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

2BD98130 2BD98130

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP4150

2BD98140 2BD98140

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP4150

2BD98141 2BD98141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

2BD98145 2BD98145

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

2BD98146 2BD98146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

2BD98150 2BD98150

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

2BD98151 2BD98151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

2BD98155 2BD98155

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

2BD98156 2BD98156

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

2BD98157 2BD98157

Explanation: I/O adapter card error

Response: The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

2BD98300 2BD98300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

2BD98301 2BD98301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

2BD98302 2BD98302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

2BD98400 • 2BD99002

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

2BD98400 2BD98400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

2BD98404 2BD98404

Explanation: System log entry only. No service action required.

2BD99000 2BD99000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list

here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

2BD99001 2BD99001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

2BD99002 2BD99002

Explanation: Device error

Failing Item:

- NEXTLVL

2BD99008 **2BD99008**

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130
-

2BD99010 **2BD99010**

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120
-

2BD99011 **2BD99011**

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL
-

2BD99020 **2BD99020**

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

2BD99021 **2BD99021**

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

2BD99022 **2BD99022**

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

2BD99023 **2BD99023**

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112
-

2BD99024 **2BD99024**

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL
-

2BD99025 **2BD99025**

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
 - FI02112
-

2BD99026 **2BD99026**

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL
-

2BD99027 **2BD99027**

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113
-

2BD99028 **2BD99028**

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

2BD99029 **2BD99029**

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

2BD99030 2BD99030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
- FI02112

2BD99031 2BD99031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

2BD99032 2BD99032

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
- FI02112

2BD99040 2BD99040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

2BD99041 2BD99041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

2BD99042 2BD99042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

2BD99050 2BD99050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131

2BD99051 2BD99051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132

2BD99052 2BD99052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

2BD99054 2BD99054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121

2BD99055 2BD99055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

2BD99070 2BD99070

Explanation: System log entry only. No service action required.

2BD99071 2BD99071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

2BD99072 2BD99072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

2BD99073 2BD99073

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP4140

2BD99074 2BD99074

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP4141

2BD99075 2BD99075

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP4149

2BD99076 2BD99076

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP4147

2BD99081 2BD99081

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

2BD99082 2BD99082

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

2BD99083 • 2BD9FF3D

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

2BD99083 2BD99083

Explanation: System log entry only. No service action required.

2BD99084 2BD99084

Explanation: System log entry only. No service action required.

2BD99090 2BD99090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

2BD99091 2BD99091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

2BD99092 2BD99092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

2BD99500 2BD99500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

2BD99903 2BD99903

Explanation: Tape device information was logged. Informational event, no service required.

2BD9C000 2BD9C000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

2BD9C402 2BD9C402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

2BD9FF3D 2BD9FF3D

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts.

Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

(2BE0) Reference codes

2BE01310 **2BE01310**

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

2BE03000 **2BE03000**

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

2BE03020 **2BE03020**

Explanation: Storage subsystem configuration error

Failing Item:

- SIP4150

2BE03100 **2BE03100**

Explanation: Device bus interface error occurred

Failing Item:

- SIP4150

2BE03140 **2BE03140**

Explanation: System log entry only. No service action required.

2BE03202 **2BE03202**

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

2BE03400 **2BE03400**

Explanation: Unknown resource error

Response: For card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

1. The embedded storage adapter on the I/O backplane.
2. The RAID enablement card.

2BE03401 • 2BE04060

3. The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SIP4150
- FI02112
- STORIOA
- SASCABL

2BE03401 2BE03401

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

2BE03405 2BE03405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

2BE034FF 2BE034FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

2BE03601 2BE03601

Explanation: System log entry only. No service action required.

2BE04010 2BE04010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

2BE04020 2BE04020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

2BE04030 2BE04030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP4144

2BE04040 2BE04040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP4144

2BE04041 2BE04041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

2BE04050 2BE04050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

2BE04060 2BE04060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP4153
- SASCABL
- SASEXP

2BE04061 2BE04061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

2BE04070 2BE04070

Explanation: System log entry only. No service action required.

2BE04100 2BE04100

Explanation: Device bus fabric error

Response: For card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

1. The embedded storage adapter on the I/O backplane.
2. The RAID enablement card.
3. The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SIP4152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- FI01105

2BE04101 2BE04101

Explanation: Temporary device bus fabric error

Failing Item:

- SIP4152

2BE04110 2BE04110

Explanation: Unsupported enclosure function detected

Failing Item:

- SIP3145

2BE04150 2BE04150

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

2BE04160 • 2BE08008

- BACKPLN
- STORIOA

2BE04160 2BE04160

Explanation: I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

2BE070DD 2BE070DD

Explanation: Disrupt device command completed successfully.

2BE08008 2BE08008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

2BE08009 2BE08009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

2BE08100 2BE08100

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.

- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

2BE08130 2BE08130

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP4150

2BE08140 2BE08140

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP4150

2BE08141 2BE08141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

2BE08145 **2BE08145****Explanation:** Disk device detected recoverable error.**Response:** This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.**Failing Item:**

- NEXTLVL

2BE08146 **2BE08146****Explanation:** Disk device detected recoverable error**Failing Item:**

- FI01105

2BE08150 **2BE08150****Explanation:** A permanent failure occurred**Response:** Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

2BE08151 **2BE08151****Explanation:** Licensed Internal Code error**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

2BE08155 2BE08155

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

2BE08156 2BE08156

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

2BE08157 2BE08157

Explanation: I/O adapter card error

Response: The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

2BE08300 2BE08300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

2BE08301 2BE08301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

2BE08302 2BE08302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

2BE08400 • 2BE09002

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

2BE08400 2BE08400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

2BE08404 2BE08404

Explanation: System log entry only. No service action required.

2BE09000 2BE09000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list

here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

2BE09001 2BE09001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

2BE09002 2BE09002

Explanation: Device error

Failing Item:

- NEXTLVL

2BE09008 **2BE09008**

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130
-

2BE09010 **2BE09010**

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120
-

2BE09011 **2BE09011**

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL
-

2BE09020 **2BE09020**

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

2BE09021 **2BE09021**

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

2BE09022 **2BE09022**

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

2BE09023 **2BE09023**

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112
-

2BE09024 **2BE09024**

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL
-

2BE09025 **2BE09025**

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
 - FI02112
-

2BE09026 **2BE09026**

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL
-

2BE09027 **2BE09027**

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113
-

2BE09028 **2BE09028**

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

2BE09029 **2BE09029**

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

2BE09030 2BE09030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
- FI02112

2BE09031 2BE09031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

2BE09032 2BE09032

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
- FI02112

2BE09040 2BE09040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

2BE09041 2BE09041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

2BE09042 2BE09042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

2BE09050 2BE09050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131

2BE09051 2BE09051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132

2BE09052 2BE09052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

2BE09054 2BE09054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121

2BE09055 2BE09055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

2BE09070 2BE09070

Explanation: System log entry only. No service action required.

2BE09071 2BE09071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

2BE09072 2BE09072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

2BE09073 **2BE09073**

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP4140

2BE09074 **2BE09074**

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP4141

2BE09075 **2BE09075**

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP4149

2BE09076 **2BE09076**

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP4147

2BE09081 **2BE09081**

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

2BE09082 **2BE09082**

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

2BE09083 • 2BE0FF3D

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

2BE09083 2BE09083

Explanation: System log entry only. No service action required.

2BE09084 2BE09084

Explanation: System log entry only. No service action required.

2BE09090 2BE09090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

2BE09091 2BE09091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

2BE09092 2BE09092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

2BE09500 2BE09500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

2BE09903 2BE09903

Explanation: Tape device information was logged. Informational event, no service required.

2BE0C000 2BE0C000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

2BE0C402 2BE0C402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

2BE0FF3D 2BE0FF3D

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts.

Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

(2BE1) Reference codes

2BE11310 **2BE11310**

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

2BE13000 **2BE13000**

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

2BE13020 **2BE13020**

Explanation: Storage subsystem configuration error

Failing Item:

- SIP4150

2BE13100 **2BE13100**

Explanation: Device bus interface error occurred

Failing Item:

- SIP4150

2BE13140 **2BE13140**

Explanation: System log entry only. No service action required.

2BE13202 **2BE13202**

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

2BE13400 **2BE13400**

Explanation: Unknown resource error

Response: For card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

1. The embedded storage adapter on the I/O backplane.
2. The RAID enablement card.

2BE13401 • 2BE14060

3. The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SIP4150
- FI02112
- STORIOA
- SASCABL

2BE13401 2BE13401

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

2BE13405 2BE13405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

2BE134FF 2BE134FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

2BE13601 2BE13601

Explanation: System log entry only. No service action required.

2BE14010 2BE14010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

2BE14020 2BE14020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

2BE14030 2BE14030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP4144

2BE14040 2BE14040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP4144

2BE14041 2BE14041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

2BE14050 2BE14050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

2BE14060 2BE14060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP4153
- SASCABL
- SASEXP

2BE14061 2BE14061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

2BE14070 2BE14070

Explanation: System log entry only. No service action required.

2BE14100 2BE14100

Explanation: Device bus fabric error

Response: For card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

1. The embedded storage adapter on the I/O backplane.
2. The RAID enablement card.
3. The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SIP4152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- FI01105

2BE14101 2BE14101

Explanation: Temporary device bus fabric error

Failing Item:

- SIP4152

2BE14110 2BE14110

Explanation: Unsupported enclosure function detected

Failing Item:

- SIP3145

2BE14150 2BE14150

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

2BE14160 • 2BE18008

- BACKPLN
- STORIOA

2BE14160 2BE14160

Explanation: I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

2BE170DD 2BE170DD

Explanation: Disrupt device command completed successfully.

2BE18008 2BE18008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

2BE18009 2BE18009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

2BE18100 2BE18100

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.

- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

2BE18130 2BE18130

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP4150

2BE18140 2BE18140

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP4150

2BE18141 2BE18141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

2BE18145 2BE18145

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

2BE18146 2BE18146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

2BE18150 2BE18150

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

2BE18151 2BE18151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

2BE18155 2BE18155

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

2BE18156 2BE18156

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

2BE18157 • 2BE18300

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

2BE18157 2BE18157

Explanation: I/O adapter card error

Response: The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

2BE18300 2BE18300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

2BE18301 2BE18301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

2BE18302 2BE18302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

2BE18400 • 2BE19002

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

2BE18400 2BE18400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

2BE18404 2BE18404

Explanation: System log entry only. No service action required.

2BE19000 2BE19000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list

here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

2BE19001 2BE19001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

2BE19002 2BE19002

Explanation: Device error

Failing Item:

- NEXTLVL

2BE19008 **2BE19008**

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130
-

2BE19010 **2BE19010**

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120
-

2BE19011 **2BE19011**

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL
-

2BE19020 **2BE19020**

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

2BE19021 **2BE19021**

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

2BE19022 **2BE19022**

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

2BE19023 **2BE19023**

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112
-

2BE19024 **2BE19024**

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL
-

2BE19025 **2BE19025**

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
 - FI02112
-

2BE19026 **2BE19026**

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL
-

2BE19027 **2BE19027**

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113
-

2BE19028 **2BE19028**

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

2BE19029 **2BE19029**

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

2BE19030 2BE19030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
- FI02112

2BE19031 2BE19031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

2BE19032 2BE19032

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
- FI02112

2BE19040 2BE19040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

2BE19041 2BE19041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

2BE19042 2BE19042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

2BE19050 2BE19050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131

2BE19051 2BE19051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132

2BE19052 2BE19052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

2BE19054 2BE19054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121

2BE19055 2BE19055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

2BE19070 2BE19070

Explanation: System log entry only. No service action required.

2BE19071 2BE19071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

2BE19072 2BE19072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

2BE19073 **2BE19073**

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP4140

2BE19074 **2BE19074**

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP4141

2BE19075 **2BE19075**

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP4149

2BE19076 **2BE19076**

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP4147

2BE19081 **2BE19081**

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

2BE19082 **2BE19082**

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

2BE19083 • 2BE1FF3D

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

2BE19083 2BE19083

Explanation: System log entry only. No service action required.

2BE19084 2BE19084

Explanation: System log entry only. No service action required.

2BE19090 2BE19090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

2BE19091 2BE19091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

2BE19092 2BE19092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

2BE19500 2BE19500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

2BE19903 2BE19903

Explanation: Tape device information was logged. Informational event, no service required.

2BE1C000 2BE1C000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

2BE1C402 2BE1C402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

2BE1FF3D 2BE1FF3D

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts.

Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

(2BE2) Reference codes

(2BF3) Reference codes

2BF3A001 2BF3A001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDG301

2BF3B9B0 2BF3B9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- AJDG301

(2BF4) Reference codes

2BF4A001 2BF4A001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDG301

2BF4B9B0 2BF4B9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- AJDG301

(2C4C) Reference codes

2C4CA001 2C4CA001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDG301

2C4CB9B0 2C4CB9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- AJDG301

(2C4D) Reference codes

2C4DA001 2C4DA001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDG301

2C4DB9B0 2C4DB9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- AJDG301

(3494) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs that you find in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the 3494 Library Manager console for error indications. Refer to the 3494 service information to resolve any error indications.
3. Attempt the failing operation again.
4. Does the operation complete successfully?

Yes: The problem has been corrected. **This ends the procedure.**

No: Look at the 4 rightmost characters of the Data display for Function 11, which represents the unit reference code. Find the unit reference code in the following table.

34942301 34942301

Explanation: Library device failure

Response: Library attachment facility equipment check.

Use the 3494 Tape Library Dataserver Maintenance Information and follow the procedures for analyzing a "LIBRARY PROBLEM - NO ERROR MESSAGE."

Failing Item:

- LIB3494

34942303 34942303

Explanation: Library device failure

Response: Device control unit and library manager Licensed Internal Code are incompatible.

Use the 3494 Tape Library Dataserver Maintenance Information and follow the procedures for analyzing a "LIBRARY PROBLEM - NO ERROR MESSAGE."

Failing Item:

- LIB3494

34942306 34942306

Explanation: Library device failure

Response: Library vision failure.

Use the 3494 Tape Library Dataserver Maintenance Information and follow the procedures for analyzing a "LIBRARY PROBLEM - NO ERROR MESSAGE."

Failing Item:

- LIB3494

34942307 34942307

Explanation: Library device failure

Response: Library vision failure.

Use the 3494 Tape Library Dataserver Maintenance Information and follow the procedures for analyzing a "LIBRARY PROBLEM - NO ERROR MESSAGE."

Failing Item:

- LIB3494

34942308 34942308

Explanation: Library device failure

Response: Library manager equipment check.

Use the 3494 Tape Library Dataserver Maintenance Information and follow the procedures for analyzing a "LIBRARY MANAGER HARDWARE PROBLEM"

Failing Item:

- LIB3494

34942309 34942309

Explanation: Library device failure

Response: Library equipment check.

Use the 3494 Tape Library Dataserver Maintenance Information and follow the procedures for analyzing a "LIBRARY PROBLEM - NO ERROR MESSAGE."

Failing Item:

- LIB3494

34942310 34942310

34942311 • 34942321

Explanation: Library device requires operator intervention

Response: Put the library into pause mode and perform the intervention indicated on the library manager console.

34942311 34942311

Explanation: Library device requires operator intervention

Response: Put the library into pause mode and perform the intervention indicated on the library manager console.

34942319 34942319

Explanation: Tape unit failure

Response: Use the tape unit service information to analyze the failure.

Failing Item:

- FI00851

34942321 34942321

Explanation: Library enclosure environmental alert was detected.

Response: Use the 3494 Tape Library Dataserver Maintenance Information and follow the procedures for analyzing a "LIBRARY PROBLEM - NO ERROR MESSAGE."

Failing Item:

- LIB3494

(3580) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

35803000 35803000

Explanation: I/O adapter hardware error detected

Failing Item:

- FI01112

35803202 35803202

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item:

- TAPCNFG
- FI00871

35803400 35803400

Explanation: Device error has occurred

Failing Item:

- FI00872
- DEVTERM
- FI00871
- FI01103
- FI01106

35809020 35809020

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the

following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.

Failing Item:

- TAPCNFG
- FI00871
- PTFSRCH

35809100 35809100

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

35809101 35809101

Explanation: Fibre Channel interface error detected

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FCIOA
- FCDEV
- FCCABLE

35809102 35809102

Explanation: Gateway device detected a SCSI interface error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FI00871
- FCGATE
- FI00872
- DEVTERM

35809103 35809103

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- SASCABL

35809104 35809104

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- USB_DEV
- USB_IOA
- USB_CBL

35809200 35809200

Explanation: Tape unit is not responding

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

35809201 35809201

Explanation: Tape unit command timeout

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM
- MEDIA

35809202 35809202

Explanation: Tape unit failed after Licensed Internal Code was loaded

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

35809210 35809210

Explanation: Illegal or unsupported tape unit response

Failing Item:

- FI00871
- FI01112
- PTFSRCH

35809211 35809211

Explanation: Gateway device detected a bus protocol error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE
- FCIOA
- FI00871
- ANYFC
- FCCABLE
- FI00872

- DEVTERM

35809220 35809220

Explanation: Hardware configuration change detected

Response: The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

35809300 35809300

Explanation: Tape unit failure

Failing Item:

- FI00871

35809301 35809301

Explanation: Tape device failure, redundancy lost

Response: The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item:

- FI00871

35809302 35809302

Explanation: Tape device failure or media error

Response: The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item:

- MEDIA
- FI00871

35809303 35809303

Explanation: Gateway device failure

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE

35809304 35809304

Explanation: Tape unit failure

Response: Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.

2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item:

- USER
- FI00871

35809310 35809310

Explanation: Licensed Internal Code for the tape unit is not correct

Failing Item:

- PTFSRCH
- FI00871

35809320 35809320

Explanation: Tape device Licensed Internal Code failure

Failing Item:

- FI00130
- FI00871

35809321 35809321

Explanation: Gateway device Licensed Internal Code error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCCODE

35809350 35809350

Explanation: Tape unit detected a read or write error on tape medium

Response: A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

35809351 35809351

Explanation: Tape with excessive error rate was mounted in tape device.

Response: The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

35809355 35809355

Explanation: The data format is incorrect; the tape cannot be read

Response: The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item:

- USER
- MEDIA
- TAPCLN
- FI00871

35809500 35809500

Explanation: Licensed Internal Code error

Response: If the system is operational, perform a dump of the I/O processor data.

Failing Item:

- PTFSRCH

35809501 35809501

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

35809800 35809800

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

35809801 35809801

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

35809802 35809802

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

35809803 35809803

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

35809804 35809804

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

35809805 35809805

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

35809806 35809806

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

35809810 35809810

Explanation: Problem analysis has determined a part should be replaced.

Response: This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only)

35809899 35809899

Explanation: Problem analysis completed, the problem has been corrected.

Response: This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

35809900 35809900

Explanation: Licensed Internal Code for tape unit was not upgraded

Response: The I/O processor loading of Licensed

Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform TUIPI04 to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item:

- USER
-

35809901 35809901

Explanation: Tape performance statistics logged

Response: No action required. This reference code is logged for information only.

35809902 35809902

Explanation: An IOP dump was initiated

Response: No action required.

35809903 35809903

Explanation: Tape device information logged

Response: No action required. This reference code is logged for information only.

3580FFF6 3580FFF6

Explanation: Tape volume statistics logged (no action required)

(3592) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

35923000 35923000

Explanation: I/O adapter hardware error detected

Failing Item:

- FI01112

35923202 35923202

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item:

- TAPCNFG
- FI00871

35923400 35923400

Explanation: Device error has occurred

Failing Item:

- FI00872
- DEVTERM
- FI00871
- FI01103
- FI01106

35929020 35929020

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the

following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.

Failing Item:

- TAPCNFG
- FI00871
- PTFSRCH

35929100 35929100

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

35929101 35929101

Explanation: Fibre Channel interface error detected

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FCIOA
- FCDEV
- FCCABLE

35929102 35929102

Explanation: Gateway device detected a SCSI interface error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FI00871
- FCGATE
- FI00872
- DEVTERM

35929103 35929103

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- SASCABL

35929104 35929104

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- USB_DEV
- USB_IOA
- USB_CBL

35929200 35929200

Explanation: Tape unit is not responding

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

35929201 35929201

Explanation: Tape unit command timeout

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM
- MEDIA

35929202 35929202

Explanation: Tape unit failed after Licensed Internal Code was loaded

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

35929210 35929210

Explanation: Illegal or unsupported tape unit response

Failing Item:

- FI00871
- FI01112
- PTFSRCH

35929211 35929211

Explanation: Gateway device detected a bus protocol error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE
- FCIOA
- FI00871
- ANYFC
- FCCABLE
- FI00872

- DEVTERM

35929220 35929220

Explanation: Hardware configuration change detected

Response: The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

35929300 35929300

Explanation: Tape unit failure

Failing Item:

- FI00871

35929301 35929301

Explanation: Tape device failure, redundancy lost

Response: The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item:

- FI00871

35929302 35929302

Explanation: Tape device failure or media error

Response: The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item:

- MEDIA
- FI00871

35929303 35929303

Explanation: Gateway device failure

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE

35929304 35929304

Explanation: Tape unit failure

Response: Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.

2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item:

- USER
- FI00871

35929310 35929310

Explanation: Licensed Internal Code for the tape unit is not correct

Failing Item:

- PTFSRCH
- FI00871

35929320 35929320

Explanation: Tape device Licensed Internal Code failure

Failing Item:

- FI00130
- FI00871

35929321 35929321

Explanation: Gateway device Licensed Internal Code error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCCODE

35929350 35929350

Explanation: Tape unit detected a read or write error on tape medium

Response: A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

35929351 35929351

Explanation: Tape with excessive error rate was mounted in tape device.

Response: The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

35929355 35929355

Explanation: The data format is incorrect; the tape cannot be read

Response: The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item:

- USER
- MEDIA
- TAPCLN
- FI00871

35929500 35929500

Explanation: Licensed Internal Code error

Response: If the system is operational, perform a dump of the I/O processor data.

Failing Item:

- PTFSRCH

35929501 35929501

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

35929800 35929800

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

35929801 35929801

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

35929802 35929802

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

35929803 35929803

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

35929804 35929804

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

35929805 35929805

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

35929806 35929806

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

35929810 35929810

Explanation: Problem analysis has determined a part should be replaced.

Response: This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only)

35929899 35929899

Explanation: Problem analysis completed, the problem has been corrected.

Response: This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

35929900 35929900

Explanation: Licensed Internal Code for tape unit was not upgraded

Response: The I/O processor loading of Licensed

Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform TUIPI04 to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item:

- USER
-

35929901 35929901

Explanation: Tape performance statistics logged

Response: No action required. This reference code is logged for information only.

35929902 35929902

Explanation: An IOP dump was initiated

Response: No action required.

35929903 35929903

Explanation: Tape device information logged

Response: No action required. This reference code is logged for information only.

3592FFF6 3592FFF6

Explanation: Tape volume statistics logged (no action required)

(4320) Reference codes

4320102E 4320102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV
-

43203002 43203002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
 - STORIOA
 - BACKPLN
 - FI01106
 - FI01140
-

43203010 43203010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
 - STORIOA
 - FI01140
 - FI01141
-

43203020 43203020

Explanation: Storage subsystem configuration error

Response: If an MES is being installed, verify the configuration.

Failing Item:

- DISKDRV
 - FI01106
 - STORIOA
 - FI01140
-

43203029 43203029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

43203100 43203100

Explanation: Tape/optical or disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
 - DISKDRV
 - STORIOA
 - FI01106
 - FI01140
-

43203109 43203109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
 - STORIOA
 - FI01106
 - FI01140
-

43203110 43203110

Explanation: Disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
 - STORIOA
 - DISKDRV
 - FI01106
 - FI01140
-

43203130 43203130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS
-

43203131 43203131

Explanation: Device or IOA Licensed Internal Code

Response: The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item:

- SVCDOCS

43207000 • 4320FFFA

43207000 43207000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

43207001 43207001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

43207003 43207003

Explanation: Device format error

Response: If the disk has not been formatted by the system, initialize and format the disk. See Work with disk unit recovery.

43207004 43207004

Explanation: System log entry only. No service action required.

432070DD 432070DD

Explanation: System log entry only, no service action required

4320FFF2 4320FFF2

Explanation: Disk motor problem

Failing Item:

- DISKDRV
-

4320FFF3 4320FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV
-

4320FFF4 4320FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
 - STORIOA
-

4320FFF5 4320FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4320FFF6 4320FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4320FFF7 4320FFF7

Explanation: Temporary disk data error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

4320FFF8 4320FFF8

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4320FFF9 4320FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4320FFFA 4320FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01140
- FI01141
- BACKPLN

4320FFFB 4320FFFB

Explanation: SCSI bus reset occurred

Response: No action required. This reference code is logged for information only.

4320FFFE 4320FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01106
- FI01140

(4322) Reference codes

4322102E 4322102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

43223002 43223002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- BACKPLN
- FI01106
- FI01140

43223010 43223010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- FI01140
- FI01141

43223020 43223020

Explanation: Storage subsystem configuration error

Response: If an MES is being installed, verify the configuration.

Failing Item:

- DISKDRV
- FI01106
- STORIOA
- FI01140

43223029 43223029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

43223100 43223100

Explanation: Tape/optical or disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
- DISKDRV
- STORIOA
- FI01106
- FI01140

43223109 43223109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- FI01106
- FI01140

43223110 43223110

Explanation: Disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
- STORIOA
- DISKDRV
- FI01106
- FI01140

43223130 43223130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

43223131 43223131

Explanation: Device or IOA Licensed Internal Code

Response: The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item:

- SVCDOCS

43227000 • 4322FFFA

43227000 43227000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

43227001 43227001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

43227003 43227003

Explanation: Device format error

Response: If the disk has not been formatted by the system, initialize and format the disk. See Work with disk unit recovery.

43227004 43227004

Explanation: System log entry only. No service action required.

432270DD 432270DD

Explanation: System log entry only, no service action required

4322FFF2 4322FFF2

Explanation: Disk motor problem

Failing Item:

- DISKDRV
-

4322FFF3 4322FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV
-

4322FFF4 4322FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
 - STORIOA
-

4322FFF5 4322FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4322FFF6 4322FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4322FFF7 4322FFF7

Explanation: Temporary disk data error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

4322FFF8 4322FFF8

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4322FFF9 4322FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4322FFFA 4322FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01140
- FI01141
- BACKPLN

4322FFFB 4322FFFB**Explanation:** SCSI bus reset occurred**Response:** No action required. This reference code is logged for information only.

4322FFFE 4322FFFE**Explanation:** Temporary disk bus error**Response:** If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.**Failing Item:**

- DISKDRV
- STORIOA
- FI01106
- FI01140

(4323) Reference codes

4323102E 4323102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV
-

43233002 43233002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
 - STORIOA
 - BACKPLN
 - FI01106
 - FI01140
-

43233010 43233010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
 - STORIOA
 - FI01140
 - FI01141
-

43233020 43233020

Explanation: Storage subsystem configuration error

Response: If an MES is being installed, verify the configuration.

Failing Item:

- DISKDRV
 - FI01106
 - STORIOA
 - FI01140
-

43233029 43233029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

43233100 43233100

Explanation: Tape/optical or disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
 - DISKDRV
 - STORIOA
 - FI01106
 - FI01140
-

43233109 43233109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
 - STORIOA
 - FI01106
 - FI01140
-

43233110 43233110

Explanation: Disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
 - STORIOA
 - DISKDRV
 - FI01106
 - FI01140
-

43233130 43233130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS
-

43233131 43233131

Explanation: Device or IOA Licensed Internal Code

Response: The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item:

- SVCDOCS

43237000 • 4323FFFA

43237000 43237000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

43237001 43237001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

43237003 43237003

Explanation: Device format error

Response: If the disk has not been formatted by the system, initialize and format the disk. See Work with disk unit recovery.

43237004 43237004

Explanation: System log entry only. No service action required.

432370DD 432370DD

Explanation: System log entry only, no service action required

4323FFF2 4323FFF2

Explanation: Disk motor problem

Failing Item:

- DISKDRV
-

4323FFF3 4323FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV
-

4323FFF4 4323FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
 - STORIOA
-

4323FFF5 4323FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4323FFF6 4323FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4323FFF7 4323FFF7

Explanation: Temporary disk data error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

4323FFF8 4323FFF8

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4323FFF9 4323FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4323FFFA 4323FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01140
- FI01141
- BACKPLN

4323FFFB 4323FFFB**Explanation:** SCSI bus reset occurred**Response:** No action required. This reference code is logged for information only.

4323FFFE 4323FFFE**Explanation:** Temporary disk bus error**Response:** If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.**Failing Item:**

- DISKDRV
- STORIOA
- FI01106
- FI01140

(4325) Reference codes

4325102E 4325102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV
-

43253002 43253002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
 - STORIOA
 - BACKPLN
 - FI01106
 - FI01140
-

43253010 43253010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
 - STORIOA
 - FI01140
 - FI01141
-

43253020 43253020

Explanation: Storage subsystem configuration error

Response: If an MES is being installed, verify the configuration.

Failing Item:

- DISKDRV
 - FI01106
 - STORIOA
 - FI01140
-

43253029 43253029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

43253100 43253100

Explanation: Tape/optical or disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
 - DISKDRV
 - STORIOA
 - FI01106
 - FI01140
-

43253109 43253109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
 - STORIOA
 - FI01106
 - FI01140
-

43253110 43253110

Explanation: Disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
 - STORIOA
 - DISKDRV
 - FI01106
 - FI01140
-

43253130 43253130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS
-

43253131 43253131

Explanation: Device or IOA Licensed Internal Code

Response: The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item:

- SVCDOCS
-

43257000 • 4325FFFA

43257000 43257000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

43257001 43257001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

43257003 43257003

Explanation: Device format error

Response: If the disk has not been formatted by the system, initialize and format the disk. See Work with disk unit recovery.

43257004 43257004

Explanation: System log entry only. No service action required.

432570DD 432570DD

Explanation: System log entry only, no service action required

4325FFF2 4325FFF2

Explanation: Disk motor problem

Failing Item:

- DISKDRV
-

4325FFF3 4325FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV
-

4325FFF4 4325FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
 - STORIOA
-

4325FFF5 4325FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4325FFF6 4325FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4325FFF7 4325FFF7

Explanation: Temporary disk data error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

4325FFF8 4325FFF8

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4325FFF9 4325FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4325FFFA 4325FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01140
- FI01141
- BACKPLN

4325FFFB 4325FFFB

Explanation: SCSI bus reset occurred

Response: No action required. This reference code is logged for information only.

4325FFFE 4325FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01106
- FI01140

(4326) Reference codes

4326102E 4326102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV
-

43263002 43263002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
 - STORIOA
 - BACKPLN
 - FI01106
 - FI01140
-

43263010 43263010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
 - STORIOA
 - FI01140
 - FI01141
-

43263020 43263020

Explanation: Storage subsystem configuration error

Response: If an MES is being installed, verify the configuration.

Failing Item:

- DISKDRV
 - FI01106
 - STORIOA
 - FI01140
-

43263029 43263029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

43263100 43263100

Explanation: Tape/optical or disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
 - DISKDRV
 - STORIOA
 - FI01106
 - FI01140
-

43263109 43263109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
 - STORIOA
 - FI01106
 - FI01140
-

43263110 43263110

Explanation: Disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
 - STORIOA
 - DISKDRV
 - FI01106
 - FI01140
-

43263130 43263130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS
-

43263131 43263131

Explanation: Device or IOA Licensed Internal Code

Response: The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item:

- SVCDOCS
-

43267000 • 4326FFFA

43267000 43267000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

43267001 43267001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

43267003 43267003

Explanation: Device format error

Response: If the disk has not been formatted by the system, initialize and format the disk. See Work with disk unit recovery.

43267004 43267004

Explanation: System log entry only. No service action required.

432670DD 432670DD

Explanation: System log entry only, no service action required

4326FFF2 4326FFF2

Explanation: Disk motor problem

Failing Item:

- DISKDRV
-

4326FFF3 4326FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV
-

4326FFF4 4326FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
 - STORIOA
-

4326FFF5 4326FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4326FFF6 4326FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4326FFF7 4326FFF7

Explanation: Temporary disk data error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

4326FFF8 4326FFF8

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4326FFF9 4326FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4326FFFA 4326FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01140
- FI01141
- BACKPLN

4326FFFB 4326FFFB

Explanation: SCSI bus reset occurred

Response: No action required. This reference code is logged for information only.

4326FFFE 4326FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01106
- FI01140

(4327) Reference codes

4327102E 4327102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

43273002 43273002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- BACKPLN
- FI01106
- FI01140

43273010 43273010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- FI01140
- FI01141

43273020 43273020

Explanation: Storage subsystem configuration error

Response: If an MES is being installed, verify the configuration.

Failing Item:

- DISKDRV
- FI01106
- STORIOA
- FI01140

43273029 43273029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

43273100 43273100

Explanation: Tape/optical or disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
- DISKDRV
- STORIOA
- FI01106
- FI01140

43273109 43273109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- FI01106
- FI01140

43273110 43273110

Explanation: Disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
- STORIOA
- DISKDRV
- FI01106
- FI01140

43273130 43273130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

43273131 43273131

Explanation: Device or IOA Licensed Internal Code

Response: The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item:

- SVCDOCS

 43277000 43277000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

43277001 43277001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

43277003 43277003

Explanation: Device format error

Response: If the disk has not been formatted by the system, initialize and format the disk. See Work with disk unit recovery.

 43277004 43277004

Explanation: System log entry only. No service action required.

432770DD 432770DD

Explanation: System log entry only, no service action required

4327FFF2 4327FFF2

Explanation: Disk motor problem

Failing Item:

- DISKDRV
-

4327FFF3 4327FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV
-

4327FFF4 4327FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
 - STORIOA
-

 4327FFF5 4327FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4327FFF6 4327FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4327FFF7 4327FFF7

Explanation: Temporary disk data error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

4327FFF8 4327FFF8

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4327FFF9 4327FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4327FFFA 4327FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01140
- FI01141
- BACKPLN

4327FFFB 4327FFFB**Explanation:** SCSI bus reset occurred**Response:** No action required. This reference code is logged for information only.

4327FFFE 4327FFFE**Explanation:** Temporary disk bus error**Response:** If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.**Failing Item:**

- DISKDRV
- STORIOA
- FI01106
- FI01140

(4328) Reference codes

4328102E 4328102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

43283002 43283002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- BACKPLN
- FI01106
- FI01140

43283010 43283010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- FI01140
- FI01141

43283020 43283020

Explanation: Storage subsystem configuration error

Response: If an MES is being installed, verify the configuration.

Failing Item:

- DISKDRV
- FI01106
- STORIOA
- FI01140

43283029 43283029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

43283100 43283100

Explanation: Tape/optical or disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
- DISKDRV
- STORIOA
- FI01106
- FI01140

43283109 43283109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- FI01106
- FI01140

43283110 43283110

Explanation: Disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
- STORIOA
- DISKDRV
- FI01106
- FI01140

43283130 43283130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

43283131 43283131

Explanation: Device or IOA Licensed Internal Code

Response: The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item:

- SVCDOCS

43287000 • 4328FFFA

43287000 43287000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

43287001 43287001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

43287003 43287003

Explanation: Device format error

Response: If the disk has not been formatted by the system, initialize and format the disk. See Work with disk unit recovery.

43287004 43287004

Explanation: System log entry only. No service action required.

432870DD 432870DD

Explanation: System log entry only, no service action required

4328FFF2 4328FFF2

Explanation: Disk motor problem

Failing Item:

- DISKDRV
-

4328FFF3 4328FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV
-

4328FFF4 4328FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
 - STORIOA
-

4328FFF5 4328FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4328FFF6 4328FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4328FFF7 4328FFF7

Explanation: Temporary disk data error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

4328FFF8 4328FFF8

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4328FFF9 4328FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4328FFFA 4328FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01140
- FI01141
- BACKPLN

4328FFFB 4328FFFB**Explanation:** SCSI bus reset occurred**Response:** No action required. This reference code is logged for information only.

4328FFFE 4328FFFE**Explanation:** Temporary disk bus error**Response:** If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.**Failing Item:**

- DISKDRV
- STORIOA
- FI01106
- FI01140

(4329) Reference codes

4329102E 4329102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

43293002 43293002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- BACKPLN
- FI01106
- FI01140

43293010 43293010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- FI01140
- FI01141

43293020 43293020

Explanation: Storage subsystem configuration error

Response: If an MES is being installed, verify the configuration.

Failing Item:

- DISKDRV
- FI01106
- STORIOA
- FI01140

43293029 43293029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

43293100 43293100

Explanation: Tape/optical or disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
- DISKDRV
- STORIOA
- FI01106
- FI01140

43293109 43293109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- FI01106
- FI01140

43293110 43293110

Explanation: Disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
- STORIOA
- DISKDRV
- FI01106
- FI01140

43293130 43293130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

43293131 43293131

Explanation: Device or IOA Licensed Internal Code

Response: The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item:

- SVCDOCS

43297000 • 4329FFFA

43297000 43297000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

43297001 43297001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

43297003 43297003

Explanation: Device format error

Response: If the disk has not been formatted by the system, initialize and format the disk. See Work with disk unit recovery.

43297004 43297004

Explanation: System log entry only. No service action required.

432970DD 432970DD

Explanation: System log entry only, no service action required

4329FFF2 4329FFF2

Explanation: Disk motor problem

Failing Item:

- DISKDRV
-

4329FFF3 4329FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV
-

4329FFF4 4329FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
 - STORIOA
-

4329FFF5 4329FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4329FFF6 4329FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4329FFF7 4329FFF7

Explanation: Temporary disk data error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

4329FFF8 4329FFF8

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4329FFF9 4329FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

4329FFFA 4329FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01140
- FI01141
- BACKPLN

4329FFFB 4329FFFB

Explanation: SCSI bus reset occurred

Response: No action required. This reference code is logged for information only.

4329FFFE 4329FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01106
- FI01140

(433B) Reference codes

433B102E 433B102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

433B3002 433B3002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

433B3010 433B3010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

433B3020 433B3020

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

433B3029 433B3029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

433B3100 433B3100

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

433B3109 433B3109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

433B310C 433B310C

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

433B310D 433B310D

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

433B3110 433B3110

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

433B3130 433B3130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

433B34FF 433B34FF

Explanation: Format in progress

433B4041 • 433BFFF9

Response: No action required. This reference code is logged for information only.

433B4041 433B4041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

433B4060 433B4060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

433B4061 433B4061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

433B4100 433B4100

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

433B7000 433B7000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

433B7001 433B7001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

433B70DD 433B70DD

Explanation: System log entry only, no service action required

433BFFF3 433BFFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

433BFFF4 433BFFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

433BFFF5 433BFFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

433BFFF6 433BFFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

433BFFF7 433BFFF7

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

433BFFF9 433BFFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

433BFFFA 433BFFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

433BFFFB 433BFFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

433BFFFC 433BFFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

433BFFFD 433BFFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

433BFFFE 433BFFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(433C) Reference codes

433C102E 433C102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

433C3002 433C3002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

433C3010 433C3010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

433C3020 433C3020

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

433C3029 433C3029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

433C3100 433C3100

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

433C3109 433C3109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

433C310C 433C310C

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

433C310D 433C310D

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

433C3110 433C3110

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

433C3130 433C3130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

433C34FF 433C34FF

Explanation: Format in progress

433C4041 • 433CFFF9

Response: No action required. This reference code is logged for information only.

433C4041 433C4041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

433C4060 433C4060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

433C4061 433C4061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

433C4100 433C4100

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

433C7000 433C7000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

433C7001 433C7001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

433C70DD 433C70DD

Explanation: System log entry only, no service action required

433CFFF3 433CFFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

433CFFF4 433CFFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

433CFFF5 433CFFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

433CFFF6 433CFFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

433CFFF7 433CFFF7

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

433CFFF9 433CFFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

433CFFFA 433CFFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

433CFFFB 433CFFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

433CFFFC 433CFFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

433CFFFD 433CFFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

433CFFFE 433CFFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(433D) Reference codes

433D102E 433D102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

433D3002 433D3002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

433D3010 433D3010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

433D3020 433D3020

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

433D3029 433D3029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

433D3100 433D3100

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

433D3109 433D3109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

433D310C 433D310C

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

433D310D 433D310D

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

433D3110 433D3110

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

433D3130 433D3130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

433D34FF 433D34FF

Explanation: Format in progress

433D4041 • 433DFFF9

Response: No action required. This reference code is logged for information only.

433D4041 433D4041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

433D4060 433D4060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

433D4061 433D4061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

433D4100 433D4100

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

433D7000 433D7000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

433D7001 433D7001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

433D70DD 433D70DD

Explanation: System log entry only, no service action required

433DFFF3 433DFFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

433DFFF4 433DFFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

433DFFF5 433DFFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

433DFFF6 433DFFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

433DFFF7 433DFFF7

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

433DFFF9 433DFFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

433DFFFA 433DFFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

433DFFFB 433DFFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

433DFFFC 433DFFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

433DFFFD 433DFFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

433DFFFE 433DFFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(4685) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

46853000 **46853000**

Explanation: I/O adapter hardware error detected

Failing Item:

- FI01112

46853202 **46853202**

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item:

- TAPCNFG
- FI00871

46853400 **46853400**

Explanation: Device error has occurred

Failing Item:

- FI00872
- DEVTERM
- FI00871
- FI01103
- FI01106

46859020 **46859020**

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the

following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.

Failing Item:

- TAPCNFG
- FI00871
- PTFSRCH

46859100 **46859100**

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

46859101 **46859101**

Explanation: Fibre Channel interface error detected

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FCIOA
- FCDEV
- FCCABLE

46859102 46859102

Explanation: Gateway device detected a SCSI interface error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FI00871
- FCGATE
- FI00872
- DEVTERM

46859103 46859103

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- SASCABL

46859104 46859104

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- USB_DEV
- USB_IOA
- USB_CBL

46859200 46859200

Explanation: Tape unit is not responding

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

46859201 46859201

Explanation: Tape unit command timeout

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM
- MEDIA

46859202 46859202

Explanation: Tape unit failed after Licensed Internal Code was loaded

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

46859210 46859210

Explanation: Illegal or unsupported tape unit response

Failing Item:

- FI00871
- FI01112
- PTFSRCH

46859211 46859211

Explanation: Gateway device detected a bus protocol error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE
- FCIOA
- FI00871
- ANYFC
- FCCABLE
- FI00872

- DEVTERM

46859220 46859220

Explanation: Hardware configuration change detected

Response: The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

46859300 46859300

Explanation: Tape unit failure

Failing Item:

- FI00871

46859301 46859301

Explanation: Tape device failure, redundancy lost

Response: The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item:

- FI00871

46859302 46859302

Explanation: Tape device failure or media error

Response: The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item:

- MEDIA
- FI00871

46859303 46859303

Explanation: Gateway device failure

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE

46859304 46859304

Explanation: Tape unit failure

Response: Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.

2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item:

- USER
- FI00871

46859310 46859310

Explanation: Licensed Internal Code for the tape unit is not correct

Failing Item:

- PTFSRCH
- FI00871

46859320 46859320

Explanation: Tape device Licensed Internal Code failure

Failing Item:

- FI00130
- FI00871

46859321 46859321

Explanation: Gateway device Licensed Internal Code error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCCODE

46859350 46859350

Explanation: Tape unit detected a read or write error on tape medium

Response: A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

46859351 46859351

Explanation: Tape with excessive error rate was mounted in tape device.

Response: The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

46859355 46859355

Explanation: The data format is incorrect; the tape cannot be read

Response: The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item:

- USER
- MEDIA
- TAPCLN
- FI00871

46859500 46859500

Explanation: Licensed Internal Code error

Response: If the system is operational, perform a dump of the I/O processor data.

Failing Item:

- PTFSRCH

46859501 46859501

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

46859800 46859800

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

46859801 46859801

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

46859802 46859802

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

46859803 46859803

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

46859804 46859804

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

46859805 46859805

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

46859806 46859806

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

46859810 46859810

Explanation: Problem analysis has determined a part should be replaced.

Response: This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only)

46859899 46859899

Explanation: Problem analysis completed, the problem has been corrected.

Response: This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

46859900 46859900

Explanation: Licensed Internal Code for tape unit was not upgraded

Response: The I/O processor loading of Licensed

Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform TUIPI04 to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item:

- USER
-

46859901 46859901

Explanation: Tape performance statistics logged

Response: No action required. This reference code is logged for information only.

46859902 46859902

Explanation: An IOP dump was initiated

Response: No action required.

46859903 46859903

Explanation: Tape device information logged

Response: No action required. This reference code is logged for information only.

4685FFF6 4685FFF6

Explanation: Tape volume statistics logged (no action required)

(4758) Reference codes

4758B990 4758B990

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- FI00130
- IOP
- MA_BRDG

4758B991 4758B991

Explanation: Tampering of cryptographic card suspected.

Failing Item:

- IOA
- FI00130
- IOP

4758B992 4758B992

Explanation: Operating voltage and/or temperature range limits exceeded.

Response: Correct any conditions in the physical environment which may have caused the voltage and/or temperature out-of-range error on the 4758 adapter card. After the conditions have been corrected, vary off and then vary back on the 4758 device description associated with the 4758 adapter card.

Failing Item:

- CARDTMP

(4764) Reference codes

4764B990 4764B990

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
 - AJDG301
-

4764B991 4764B991

Explanation: Tampering of cryptographic card suspected.

Failing Item:

- IOA
 - AJDG301
-

4764B992 4764B992

Explanation: Operating voltage and/or temperature range limits exceeded.

Response: Correct any conditions in the physical environment which may have caused the voltage and/or temperature out-of-range error on the 4764 / 4765 adapter card. After the conditions have been corrected, vary off and then vary back on the 4764 / 4765 device description associated with the 4764 / 4765 adapter card.

Failing Item:

- CARDTMP

(4765) Reference codes

4765B990 4765B990

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
 - AJDG301
-

4765B991 4765B991

Explanation: Tampering of cryptographic card suspected.

Failing Item:

- IOA
 - AJDG301
-

4765B992 4765B992

Explanation: Operating voltage and/or temperature range limits exceeded.

Response: Correct any conditions in the physical environment which may have caused the voltage and/or temperature out-of-range error on the 4764 / 4765 adapter card. After the conditions have been corrected, vary off and then vary back on the 4764 / 4765 device description associated with the 4764 / 4765 adapter card.

Failing Item:

- CARDTMP

(4812) Reference codes

48126201 48126201

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOA
- FI00730

48126202 48126202

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- FI00730
- IOA

48126204 48126204

Explanation: I/O adapter failure due to a thermal condition

Failing Item:

- IOA

48126210 48126210

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- FI00730

48126221 48126221

Explanation: I/O processor resource not available

Failing Item:

- AJDG301
- DISKIMG

48126222 48126222

Explanation: A permanent I/O processor failure occurred

Failing Item:

- FI00730
- IOA

48126223 48126223

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOA
- FI00730

48126225 48126225

Explanation: A permanent I/O processor failure occurred

Failing Item:

- FI00730
- AJDG301
- IOA

48126226 48126226

Explanation: A Virtual SCSI error was detected.

Failing Item:

- AJDG301
- AS4NTDD
- FI00584

48126227 48126227

Explanation: Windows initiated a warm boot

Failing Item:

- NTUSER
- FI00730
- IOA

48126228 48126228

Explanation: Windows initiated a warm boot

Failing Item:

- FI00730
- IOA

48126501 48126501

Explanation: A Windows fatal error occurred

Failing Item:

- IOA
- FI00730

48126502 48126502

Explanation: A Windows fatal error occurred

Failing Item:

- FI00730

48126530 • 4812653D

- IOA

48126530 48126530

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTVSCSI
- NTOPSYS

48126531 48126531

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTVSCSI
- AS4NTDD
- NTOPSYS
- FI00730

48126532 48126532

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTOPSYS
- FI00730
- AS4NTDD

48126533 48126533

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTUSER
- NTOPSYS
- AS4NTDD

48126534 48126534

Explanation: A Virtual SCSI error was detected.

Failing Item:

- AS4NTDD
- FI00730
- NTOPSYS

48126535 48126535

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTUSER
- NTDEVDR
- FI00730

48126538 48126538

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTVSCSI
- NTOPSYS

48126539 48126539

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTVSCSI
- AS4NTDD
- NTOPSYS
- FI00730

4812653A 4812653A

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTOPSYS
- FI00730
- AS4NTDD

4812653B 4812653B

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTUSER
- NTOPSYS
- AS4NTDD

4812653C 4812653C

Explanation: A Virtual SCSI error was detected.

Failing Item:

- AS4NTDD
- FI00730
- NTOPSYS

4812653D 4812653D

Explanation: A Virtual SCSI error was detected.

Failing Item:

- NTUSER
 - NTDEVDR
 - FI00730
-

4812653F **4812653F**
Explanation: A Virtual SCSI error was detected.**Failing Item:**

- NTDEVDR
 - NTOPSYS
 - AJDG301
-

48126540 **48126540****Explanation:** A Virtual SCSI error was detected.**Failing Item:**

- NTVSCSI
 - FI00730
 - AJDG301
-

48126541 **48126541****Explanation:** A permanent I/O processor failure occurred**Failing Item:**

- IOA
 - FI00730
-

48126542 **48126542****Explanation:** Licensed Internal Code error detected.**Failing Item:**

- AJDG301
 - FI00730
-

48126543 **48126543****Explanation:** A Windows fatal error occurred**Failing Item:**

- NTOPSYS
 - NTVSCSI
-

48126580 **48126580****Explanation:** A Windows fatal error occurred**Failing Item:**

- NTOPSYS
 - NTVSCSI
 - DISKIMG
 - IOA
 - FI00730
-

4812B4B0 **4812B4B0**
Explanation: I/O adapter hardware error detected**Failing Item:**

- IOA
-

4812B4B1 **4812B4B1****Explanation:** I/O adapter hardware error detected**Failing Item:**

- IOA
 - MEMORY
-

4812B4B4 **4812B4B4****Explanation:** I/O adapter hardware error detected**Failing Item:**

- IOA
 - MEMORY
-

4812B4B5 **4812B4B5****Explanation:** An I/O adapter failure occurred.**Failing Item:**

- FI00730
 - IOA
-

4812B4B8 **4812B4B8****Explanation:** Adapter card storage error**Failing Item:**

- MEMORY
 - IOA
-

4812B4B9 **4812B4B9****Explanation:** An I/O adapter failure occurred.**Failing Item:**

- IOA
-

4812B4BC **4812B4BC****Explanation:** I/O adapter error; logged only.**Failing Item:**

- IOA
-

4812B4BE **4812B4BE****Explanation:** Adapter card storage error**Failing Item:**

- MEMORY
 - IOA
-

4812B904 • 4812B960

4812B904 4812B904

Explanation: A permanent I/O processor failure occurred

Failing Item:

- FI00730
- IOA

4812B960 4812B960

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- FI00730
- IOP

(506D) Reference codes

506D1511 506D1511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
 - DISKFAN
 - FI01106
 - DEVBPLN
-

506D1515 506D1515

Explanation: A fatal error occurred on power supply 1

Failing Item:

- DISKPWR
 - DISKFAN
 - FI01106
 - DEVBPLN
-

506D1521 506D1521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
 - DISKFAN
 - FI01106
 - DEVBPLN
-

506D1525 506D1525

Explanation: A fatal error occurred on power supply 2

Failing Item:

- DISKPWR
 - DISKFAN
 - FI01106
 - DEVBPLN
-

506D3002 506D3002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- DEVBPLN
 - STORIOA
 - FI01140
 - FI01106
-

506D3109 506D3109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- DEVBPLN
 - STORIOA
 - FI01140
 - FI01106
-

506D7611 506D7611

Explanation: A fatal error occurred on redundant fan 1

Failing Item:

- DISKFAN
-

506D7614 506D7614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN
-

506D7621 506D7621

Explanation: A fatal error occurred on redundant fan 2

Failing Item:

- DISKFAN
-

506D7624 506D7624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN
-

506D7631 506D7631

Explanation: A fatal error occurred on redundant fan 3

Failing Item:

- DISKFAN
-

506D7634 506D7634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN
-

506D8401 • 506DFFF4

506D8401 506D8401

Explanation: Removable media power fault

Failing Item:

- DEVBPLN

506D8404 506D8404

Explanation: System log entry only, no service action required

506DFFF4 506DFFF4

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
- STORIOA
- FI01140
- FI01106

(506E) Reference codes

506E1511 506E1511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
 - DISKFAN
 - FI01106
 - DEVBPLN
-

506E1515 506E1515

Explanation: A fatal error occurred on power supply 1

Failing Item:

- DISKPWR
 - DISKFAN
 - FI01106
 - DEVBPLN
-

506E1521 506E1521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
 - DISKFAN
 - FI01106
 - DEVBPLN
-

506E1525 506E1525

Explanation: A fatal error occurred on power supply 2

Failing Item:

- DISKPWR
 - DISKFAN
 - FI01106
 - DEVBPLN
-

506E3002 506E3002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- DEVBPLN
 - STORIOA
 - FI01140
 - FI01106
-

506E3109 506E3109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- DEVBPLN
 - STORIOA
 - FI01140
 - FI01106
-

506E7611 506E7611

Explanation: A fatal error occurred on redundant fan 1

Failing Item:

- DISKFAN
-

506E7614 506E7614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN
-

506E7621 506E7621

Explanation: A fatal error occurred on redundant fan 2

Failing Item:

- DISKFAN
-

506E7624 506E7624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN
-

506E7631 506E7631

Explanation: A fatal error occurred on redundant fan 3

Failing Item:

- DISKFAN
-

506E7634 506E7634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN
-

506E8401 • 506EFFF4

506E8401 506E8401

Explanation: Removable media power fault

Failing Item:

- DEVBPLN

506E8404 506E8404

Explanation: System log entry only, no service action required

506EFFF4 506EFFF4

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
- STORIOA
- FI01140
- FI01106

(509A) Reference codes

509A1511 509A1511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

509A1515 509A1515

Explanation: A fatal error occurred on power supply 1

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

509A1521 509A1521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

509A1525 509A1525

Explanation: A fatal error occurred on power supply 2

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

509A3002 509A3002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

509A3109 509A3109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

509A7613 509A7613

Explanation: Fan 1 has failed or is operating below optimum. Enough redundant cooling capacity remains in the I/O enclosure to avoid an over temperature condition. The fan should be replaced at the customer's earliest convenience.

Failing Item:

- DISKFAN

509A7614 509A7614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN

509A7623 509A7623

Explanation: Fan 2 has failed or is operating below optimum. Enough redundant cooling capacity remains in the I/O enclosure to avoid an over temperature condition. The fan should be replaced at the customer's earliest convenience.

Failing Item:

- DISKFAN

509A7624 • 509AFFF4

509A7624 509A7624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN

509A7633 509A7633

Explanation: Fan 3 has failed or is operating below optimum. Enough redundant cooling capacity remains in the I/O enclosure to avoid an over temperature condition. The fan should be replaced at the customer's earliest convenience.

Failing Item:

- DISKFAN

509A7634 509A7634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN

509A7643 509A7643

Explanation: Fan 4 has failed or is operating below optimum. Enough redundant cooling capacity remains in the I/O enclosure to avoid an over temperature condition. The fan should be replaced at the customer's earliest convenience.

Failing Item:

- DISKFAN

509A7644 509A7644

Explanation: A fatal error occurred on fan 4

Failing Item:

- DISKFAN

509A8404 509A8404

Explanation: System log entry only, no service action required

509AFFF4 509AFFF4

Explanation: Device backplane problem

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

(509D) Reference codes

509D1511 509D1511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- SASEXP

- SASCABL
- STORIOA

509D1515 509D1515

Explanation: A fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- SASEXP

509D3002 509D3002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- SASEXP
- SASCABL
- STORIOA

509D3109 509D3109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- SASEXP
- SASCABL
- STORIOA

509D7614 509D7614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN

509D8404 509D8404

Explanation: System log entry only, no service action required

509DFFF4 509DFFF4

Explanation: Device backplane problem

Failing Item:

- SASEXP

(50A4) Reference codes

50A41511 50A41511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

50A41515 50A41515

Explanation: A fatal error occurred on power supply 1

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

50A41521 50A41521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

50A41525 50A41525

Explanation: A fatal error occurred on power supply 2

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

50A43002 50A43002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

50A43109 50A43109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

50A47614 50A47614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN

50A47624 50A47624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN

50A47634 50A47634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN

50A47644 50A47644

Explanation: A fatal error occurred on fan 4

Failing Item:

- DISKFAN

50A48404 • 50A4FFF4

50A48404 50A48404

Explanation: System log entry only, no service action required

50A4FFF4 50A4FFF4

Explanation: Device backplane problem

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

(50AD) Reference codes

50AD1511 50AD1511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

50AD1515 50AD1515

Explanation: A fatal error occurred on power supply 1

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

50AD1521 50AD1521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

50AD1525 50AD1525

Explanation: A fatal error occurred on power supply 2

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

50AD3002 50AD3002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

50AD3109 50AD3109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

50AD7614 50AD7614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN

50AD7624 50AD7624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN

50AD7634 50AD7634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN

50AD7644 50AD7644

Explanation: A fatal error occurred on fan 4

Failing Item:

- DISKFAN

50AD8404 • 50ADFFF4

50AD8404 50AD8404

Explanation: System log entry only, no service action required

50ADFFF4 50ADFFF4

Explanation: Device backplane problem

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

(50B1) Reference codes

50B11511 50B11511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

50B11515 50B11515

Explanation: A fatal error occurred on power supply 1

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

50B11521 50B11521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

50B11525 50B11525

Explanation: A fatal error occurred on power supply 2

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

50B13002 50B13002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

50B13109 50B13109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

50B17604 50B17604

Explanation: A fatal error occurred on fan 16

Failing Item:

- DISKFAN

50B17614 50B17614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN

50B17624 50B17624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN

50B17634 50B17634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN

50B17644 • 50B1FFF4

50B17644 50B17644

Explanation: A fatal error occurred on fan 4

Failing Item:

- DISKFAN

50B17654 50B17654

Explanation: A fatal error occurred on fan 5

Failing Item:

- DISKFAN

50B17664 50B17664

Explanation: A fatal error occurred on fan 6

Failing Item:

- DISKFAN

50B17674 50B17674

Explanation: A fatal error occurred on fan 7

Failing Item:

- DISKFAN

50B17684 50B17684

Explanation: A fatal error occurred on fan 8

Failing Item:

- DISKFAN

50B17694 50B17694

Explanation: A fatal error occurred on fan 9

Failing Item:

- DISKFAN

50B176A4 50B176A4

Explanation: A fatal error occurred on fan 10

Failing Item:

- DISKFAN

50B176B4 50B176B4

Explanation: A fatal error occurred on fan 11

Failing Item:

- DISKFAN

50B176C4 50B176C4

Explanation: A fatal error occurred on fan 12

Failing Item:

- DISKFAN

50B176D4 50B176D4

Explanation: A fatal error occurred on fan 13

Failing Item:

- DISKFAN

50B176E4 50B176E4

Explanation: A fatal error occurred on fan 14

Failing Item:

- DISKFAN

50B176F4 50B176F4

Explanation: A fatal error occurred on fan 15

Failing Item:

- DISKFAN

50B18404 50B18404

Explanation: System log entry only, no service action required

50B1FFF4 50B1FFF4

Explanation: Device backplane problem

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

(5619) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

56193000 **56193000**

Explanation: I/O adapter hardware error detected

Failing Item:

- FI01112

56193202 **56193202**

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item:

- TAPCNFG
- FI00871

56193400 **56193400**

Explanation: Device error has occurred

Failing Item:

- FI00872
- DEVTERM
- FI00871
- FI01103
- FI01106

56199020 **56199020**

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the

following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.

Failing Item:

- TAPCNFG
- FI00871
- PTFSRCH

56199100 **56199100**

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

56199101 **56199101**

Explanation: Fibre Channel interface error detected

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FCIOA
- FCDEV
- FCCABLE

56199102 56199102

Explanation: Gateway device detected a SCSI interface error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FI00871
- FCGATE
- FI00872
- DEVTERM

56199103 56199103

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- SASCABL

56199104 56199104

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- USB_DEV
- USB_IOA
- USB_CBL

56199200 56199200

Explanation: Tape unit is not responding

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

56199201 56199201

Explanation: Tape unit command timeout

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM
- MEDIA

56199202 **56199202**

Explanation: Tape unit failed after Licensed Internal Code was loaded

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

56199210 **56199210**

Explanation: Illegal or unsupported tape unit response

Failing Item:

- FI00871
- FI01112
- PTFSRCH

56199211 **56199211**

Explanation: Gateway device detected a bus protocol error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE
- FCIOA
- FI00871
- ANYFC
- FCCABLE
- FI00872

- DEVTERM

56199220 **56199220**

Explanation: Hardware configuration change detected

Response: The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

56199300 **56199300**

Explanation: Tape unit failure

Failing Item:

- FI00871

56199301 **56199301**

Explanation: Tape device failure, redundancy lost

Response: The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item:

- FI00871

56199302 **56199302**

Explanation: Tape device failure or media error

Response: The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item:

- MEDIA
- FI00871

56199303 **56199303**

Explanation: Gateway device failure

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE

56199304 **56199304**

Explanation: Tape unit failure

Response: Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.

56199310 • 56199801

2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item:

- USER
- FI00871

56199310 56199310

Explanation: Licensed Internal Code for the tape unit is not correct

Failing Item:

- PTFSRCH
- FI00871

56199320 56199320

Explanation: Tape device Licensed Internal Code failure

Failing Item:

- FI00130
- FI00871

56199321 56199321

Explanation: Gateway device Licensed Internal Code error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCCODE

56199350 56199350

Explanation: Tape unit detected a read or write error on tape medium

Response: A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

56199351 56199351

Explanation: Tape with excessive error rate was mounted in tape device.

Response: The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

56199355 56199355

Explanation: The data format is incorrect; the tape cannot be read

Response: The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item:

- USER
- MEDIA
- TAPCLN
- FI00871

56199500 56199500

Explanation: Licensed Internal Code error

Response: If the system is operational, perform a dump of the I/O processor data.

Failing Item:

- PTFSRCH

56199501 56199501

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

56199800 56199800

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56199801 56199801

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56199802 56199802

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56199803 56199803

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56199804 56199804

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56199805 56199805

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56199806 56199806

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56199810 56199810

Explanation: Problem analysis has determined a part should be replaced.

Response: This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only)

56199899 56199899

Explanation: Problem analysis completed, the problem has been corrected.

Response: This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

56199900 56199900

Explanation: Licensed Internal Code for tape unit was not upgraded

Response: The I/O processor loading of Licensed

Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform TUIPI04 to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item:

- USER
-

56199901 56199901

Explanation: Tape performance statistics logged

Response: No action required. This reference code is logged for information only.

56199902 56199902

Explanation: An IOP dump was initiated

Response: No action required.

56199903 56199903

Explanation: Tape device information logged

Response: No action required. This reference code is logged for information only.

5619FFF6 5619FFF6

Explanation: Tape volume statistics logged (no action required)

(5638) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

56383000 56383000

Explanation: I/O adapter hardware error detected

Failing Item:

- FI01112

56383202 56383202

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item:

- TAPCNFG
- FI00871

56383400 56383400

Explanation: Device error has occurred

Failing Item:

- FI00872
- DEVTERM
- FI00871
- FI01103
- FI01106

56389020 56389020

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the

following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.

Failing Item:

- TAPCNFG
- FI00871
- PTFSRCH

56389100 56389100

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

56389101 56389101

Explanation: Fibre Channel interface error detected

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FCIOA
- FCDEV
- FCCABLE

56389102 56389102

Explanation: Gateway device detected a SCSI interface error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FI00871
- FCGATE
- FI00872
- DEVTERM

56389103 56389103

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- SASCABL

56389104 56389104

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- USB_DEV
- USB_IOA
- USB_CBL

56389200 56389200

Explanation: Tape unit is not responding

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

56389201 56389201

Explanation: Tape unit command timeout

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM
- MEDIA

56389202 56389202

Explanation: Tape unit failed after Licensed Internal Code was loaded

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

56389210 56389210

Explanation: Illegal or unsupported tape unit response

Failing Item:

- FI00871
- FI01112
- PTFSRCH

56389211 56389211

Explanation: Gateway device detected a bus protocol error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE
- FCIOA
- FI00871
- ANYFC
- FCCABLE
- FI00872

- DEVTERM

56389220 56389220

Explanation: Hardware configuration change detected

Response: The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

56389300 56389300

Explanation: Tape unit failure

Failing Item:

- FI00871

56389301 56389301

Explanation: Tape device failure, redundancy lost

Response: The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item:

- FI00871

56389302 56389302

Explanation: Tape device failure or media error

Response: The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item:

- MEDIA
- FI00871

56389303 56389303

Explanation: Gateway device failure

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE

56389304 56389304

Explanation: Tape unit failure

Response: Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.

2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item:

- USER
- FI00871

56389310 56389310

Explanation: Licensed Internal Code for the tape unit is not correct

Failing Item:

- PTFSRCH
- FI00871

56389320 56389320

Explanation: Tape device Licensed Internal Code failure

Failing Item:

- FI00130
- FI00871

56389321 56389321

Explanation: Gateway device Licensed Internal Code error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCCODE

56389350 56389350

Explanation: Tape unit detected a read or write error on tape medium

Response: A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

56389351 56389351

Explanation: Tape with excessive error rate was mounted in tape device.

Response: The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

56389355 56389355

Explanation: The data format is incorrect; the tape cannot be read

Response: The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item:

- USER
- MEDIA
- TAPCLN
- FI00871

56389500 56389500

Explanation: Licensed Internal Code error

Response: If the system is operational, perform a dump of the I/O processor data.

Failing Item:

- PTFSRCH

56389501 56389501

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

56389800 56389800

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56389801 56389801

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56389802 56389802

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56389803 56389803

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56389804 56389804

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56389805 56389805

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56389806 56389806

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56389810 56389810

Explanation: Problem analysis has determined a part should be replaced.

Response: This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only)

56389899 56389899

Explanation: Problem analysis completed, the problem has been corrected.

Response: This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

56389900 56389900

Explanation: Licensed Internal Code for tape unit was not upgraded

Response: The I/O processor loading of Licensed

Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform TUIPI04 to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item:

- USER
-

56389901 56389901

Explanation: Tape performance statistics logged

Response: No action required. This reference code is logged for information only.

56389902 56389902

Explanation: An IOP dump was initiated

Response: No action required.

56389903 56389903

Explanation: Tape device information logged

Response: No action required. This reference code is logged for information only.

5638FFF6 5638FFF6

Explanation: Tape volume statistics logged (no action required)

(5675) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

56753000 56753000

Explanation: I/O adapter hardware error detected

Failing Item:

- FI01112

56753202 56753202

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item:

- TAPCNFG
- FI00871

56753400 56753400

Explanation: Device error has occurred

Failing Item:

- FI00872
- DEVTERM
- FI00871
- FI01103
- FI01106

56759020 56759020

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the

following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.

Failing Item:

- TAPCNFG
- FI00871
- PTFSRCH

56759100 56759100

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

56759101 56759101

Explanation: Fibre Channel interface error detected

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FCIOA
- FCDEV
- FCCABLE

56759102 56759102

Explanation: Gateway device detected a SCSI interface error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FI00871
- FCGATE
- FI00872
- DEVTERM

56759103 56759103

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- SASCABL

56759104 56759104

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- USB_DEV
- USB_IOA
- USB_CBL

56759200 56759200

Explanation: Tape unit is not responding

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

56759201 56759201

Explanation: Tape unit command timeout

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM
- MEDIA

56759202 56759202

Explanation: Tape unit failed after Licensed Internal Code was loaded

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

56759210 56759210

Explanation: Illegal or unsupported tape unit response

Failing Item:

- FI00871
- FI01112
- PTFSRCH

56759211 56759211

Explanation: Gateway device detected a bus protocol error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE
- FCIOA
- FI00871
- ANYFC
- FCCABLE
- FI00872

- DEVTERM

56759220 56759220

Explanation: Hardware configuration change detected

Response: The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

56759300 56759300

Explanation: Tape unit failure

Failing Item:

- FI00871

56759301 56759301

Explanation: Tape device failure, redundancy lost

Response: The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item:

- FI00871

56759302 56759302

Explanation: Tape device failure or media error

Response: The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item:

- MEDIA
- FI00871

56759303 56759303

Explanation: Gateway device failure

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE

56759304 56759304

Explanation: Tape unit failure

Response: Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.

2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item:

- USER
- FI00871

56759310 56759310

Explanation: Licensed Internal Code for the tape unit is not correct

Failing Item:

- PTFSRCH
- FI00871

56759320 56759320

Explanation: Tape device Licensed Internal Code failure

Failing Item:

- FI00130
- FI00871

56759321 56759321

Explanation: Gateway device Licensed Internal Code error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCCODE

56759350 56759350

Explanation: Tape unit detected a read or write error on tape medium

Response: A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

56759351 56759351

Explanation: Tape with excessive error rate was mounted in tape device.

Response: The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

56759355 56759355

Explanation: The data format is incorrect; the tape cannot be read

Response: The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item:

- USER
- MEDIA
- TAPCLN
- FI00871

56759500 56759500

Explanation: Licensed Internal Code error

Response: If the system is operational, perform a dump of the I/O processor data.

Failing Item:

- PTFSRCH

56759501 56759501

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

56759800 56759800

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56759801 56759801

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56759802 56759802

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56759803 56759803

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56759804 56759804

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56759805 56759805

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56759806 56759806

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

56759810 56759810

Explanation: Problem analysis has determined a part should be replaced.

Response: This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only)

56759899 56759899

Explanation: Problem analysis completed, the problem has been corrected.

Response: This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

56759900 56759900

Explanation: Licensed Internal Code for tape unit was not upgraded

Response: The I/O processor loading of Licensed

Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform TUIPI04 to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item:

- USER
-

56759901 56759901

Explanation: Tape performance statistics logged

Response: No action required. This reference code is logged for information only.

56759902 56759902

Explanation: An IOP dump was initiated

Response: No action required.

56759903 56759903

Explanation: Tape device information logged

Response: No action required. This reference code is logged for information only.

5675FFF6 5675FFF6

Explanation: Tape volume statistics logged (no action required)

(5700) Reference codes

5700A001 5700A001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDGP01
-

5700B9A0 5700B9A0

Explanation: I/O adapter hardware error detected

Failing Item:

- FI00719
 - FI00718
 - AJDGP01
 - MA_BRDG
-

5700B9B0 5700B9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- FI00719
- AJDG301
- MA_BRDG

(5701) Reference codes

5701A001 5701A001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDGP01
-

5701B9A0 5701B9A0

Explanation: I/O adapter hardware error detected

Failing Item:

- FI00719
 - FI00718
 - AJDGP01
 - MA_BRDG
-

5701B9B0 5701B9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- FI00719
- AJDG301
- MA_BRDG

(5702) Reference codes

57020A17 57020A17

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
 - MA_BRDG
 - AJDGP01
 - AJDG301
-

57020A22 57020A22

Explanation: I/O processor detected a storage transfer error

Failing Item:

- AJDGP01
 - AJDG301
 - IOP
 - MA_BRDG
-

5702102E 5702102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- FI01105
-

57021306 57021306

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- AJDGP01
 - IOP
 - FI01104
 - BACKPLN
-

57021307 57021307

Explanation: I/O processor resource not available

Failing Item:

- AJDGP01
 - AJDG301
-

57021310 57021310

Explanation: I/O processor resource not available

Response: The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57021317 57021317

Explanation: I/O processor card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates IOP, then replace the IOP. If the Failing Item indicates SVCDOCS, then do NOT replace the IOP. This is a recoverable error. Perform the following:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.

2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS
-

57022200 57022200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
-

57022201 57022201

Explanation: Removable media error during IPL

Failing Item:

- USER
 - FI01105
-

57022202 57022202

Explanation: Removable media error during IPL

Failing Item:

- FI00022
 - FI01105
-

57023000 57023000

Explanation: A permanent I/O processor failure occurred

Failing Item:

57023001 • 57023084

- FI01101
- IOP
- MA_BRDG

57023001 57023001

Explanation: Not valid condition in I/O Processor Licensed Internal Code

Response: The Licensed Internal Code found a condition that should not have occurred.

Failing Item:

- IOP
- AJDGP01

57023002 57023002

Explanation: Addressed device failed to respond to selection

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- FI01141
- FI01106

57023006 57023006

Explanation: System bus error

Failing Item:

- IOP
- ANYBUS
- FI01101

57023020 57023020

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

57023021 57023021

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

57023022 57023022

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

57023023 57023023

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

57023080 57023080

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01

57023081 57023081

Explanation: System log entry only, no service action required

57023084 57023084

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- AJDGP01
- IOP
- FI01104
- MA_BRDG

 57023087 57023087

Explanation: I/O processor resource not available

Response: The Licensed Internal Code could not allocate resources on the I/O processor card.

Failing Item:

- AJDGP01
 - AJDG301
 - IOACNFG
 - FI01104
-

57023100 57023100

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

57023101 57023101

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

57023102 57023102

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

57023103 57023103

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

57023109 57023109

Explanation: I/O processor timed out a device command

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

57023110 57023110

Explanation: I/O processor card detected interface error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

57023120 57023120

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS
-

57023121 57023121

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not

57023122 • 57023205

operational. Remove the device.

Failing Item:

- SVCDOCS

57023122 57023122

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

57023123 57023123

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

57023136 57023136

Explanation: The removable media device is assigned elsewhere

Failing Item:

- USER
- FI01105

57023140 57023140

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

57023141 57023141

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

57023142 57023142

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3122 reference code that occurred before it require no service action,

since SCSI bus 2 is now operational.

57023143 57023143

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

57023150 57023150

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

57023151 57023151

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

57023200 57023200

Explanation: A tape/CD or disk device reported a failure

Failing Item:

- FI01105
- STORIOA
- IOP
- MEDIA

57023203 57023203

Explanation: Disk media format bad

Failing Item:

- FI01105

57023205 57023205

Explanation: Disk sector read error

Response: Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item:

- FI01105

 57023215 57023215

Explanation: Disk sector read error

Response: Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item:

- FI01105
-

57023250 57023250

Explanation: Disk unit requires initialization before use.

Response: Perform a D-IPL and work on errors found in the log.

Failing Item:

- USER
-

57023300 57023300

Explanation: Storage unit detected a media problem

Failing Item:

- IOPIP01
 - MEDIA
 - FI00121
 - FI01141
-

57023400 57023400

Explanation: I/O processor card detected device error

Response: NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item:

- FI02112
 - STORIOA
 - FI01106
 - DEVTERM
 - FI01140
-

57023401 57023401

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
-

57023501 57023501

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

 57023600 57023600

Explanation: System log entry only, no service action required

57023601 57023601

Explanation: System log entry only, no service action required

57026070 57026070

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

57026071 57026071

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
-

57026072 57026072

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

57026073 57026073

Explanation: IPL device not ready

Failing Item:

- MEDIA
 - FI01105
 - USER
-

57026075 57026075

Explanation: I/O processor resource not available

Failing Item:

- AJDGP01
-

57026076 57026076

Explanation: I/O processor card detected media error

Failing Item:

- MEDIA
 - AJDGP01
 - FI01105
-

 57026081 57026081

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

57026082 57026082

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

57026083 57026083

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

57026085 57026085

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
 - MA_BRDG
-

57026200 57026200

Explanation: A permanent IOA hardware error occurred

Failing Item:

- FCIOA
 - OPT_CLN
-

57026201 57026201

Explanation: IOA LID is not valid

Failing Item:

- AJDGP01
-

57026602 57026602

Explanation: An I/O processor Licensed Internal Code error occurred.

Failing Item:

- AJDGP01
-

 57028000 57028000

Explanation: A permanent IOP or cache adapter card failure occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- STORIOA
 - CACHE
-

57028002 57028002

Explanation: A permanent cache adapter card failure occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

57028004 57028004

Explanation: Voltage drop detected on I/O processor 5 volt power supply.

Failing Item:

- FI01141
 - STORIOA
-

57028005 57028005

Explanation: A recoverable IOP or cache adapter card error occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- STORIOA
 - CACHE
-

57028007 57028007

Explanation: A recoverable cache adapter card error occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

57028010 57028010

Explanation: A permanent cache adapter card failure occurred.

Response: The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

57028011 57028011

Explanation: A permanent cache adapter card failure occurred.

Response: The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

57028100 57028100

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

57028130 57028130

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

57028131 57028131

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

57028132 57028132

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action

is required. This reference code is logged for information only.

57028133 57028133

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

57028140 57028140

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

57028141 57028141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

57028145 57028145

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- STORIOA
-

57028146 57028146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105
-

57028150 57028150

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA
 - ANYBRDG
-

57028151 57028151

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - STORIOA
-

 57028155 57028155

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
 - STORIOA
-

57028156 57028156

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
 - STORIOA
-

57028157 57028157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS
-

57028200 57028200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

57028300 57028300

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- STORIOA
 - IOP
 - AJDGP01
-

 57028301 57028301

Explanation: Not valid condition in I/O Processor Licensed Internal Code

Response: The Licensed Internal Code found a condition that should not have occurred.

Failing Item:

- FI01101
 - AJDGP01
 - IOP
-

57028400 57028400

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
-

57029000 57029000

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
 - STORIOA
-

57029001 57029001

Explanation: I/O processor card detected device configuration error

Failing Item:

- IOPIP33
-

57029002 57029002

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

57029008 57029008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- IOPIP25
-

57029009 57029009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS
-

57029010 57029010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- IOPIP31
-

57029011 57029011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- IOPIP32
-

57029012 57029012

Explanation: IOP requires a cache adapter card but cannot find it.

Response: The cache adapter card is missing or broken.

Failing Item:

- IOPIP29
 - CACHE
-

57029013 57029013

Explanation: The IOP and attached cache adapter card are not compatible.

Failing Item:

- IOPIP19
-

57029020 57029020

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

57029021 57029021

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

57029022 57029022

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

57029023 57029023

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

57029024 57029024

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

57029025 57029025

Explanation: Disk unit is not supported at its physical location.

Failing Item:

- IOPIP21
-

57029026 57029026

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

57029027 57029027

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP34
-

57029028 57029028

Explanation: Incorrect hardware configuration change has been detected.

Response: Reduce the number of arrays on IOP. Either move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item:

- SVCDOCS
-

 57029029 57029029

Explanation: Incorrect hardware configuration change has been detected.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS
-

5702902F 5702902F

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

57029030 57029030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- IOPIP21
-

57029031 57029031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57029040 57029040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

57029041 57029041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- AJDGP01
-

57029050 57029050

Explanation: Required cache data cannot be located for a disk unit.

Failing Item:

- IOPIP30
-

 57029051 57029051

Explanation: IOP cache data exists for a missing or failed device.

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27
-

57029052 57029052

Explanation: Cache data exists for device that has been modified.

Failing Item:

- IOPIP28
-

57029053 57029053

Explanation: IOP resources not available due to previous problems.

Response: Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS
-

57029054 57029054

Explanation: IOP resources not available due to previous problems.

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS
-

57029081 57029081

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
 - STORIOA
-

57029082 57029082

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

57029090 57029090

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

57029091 57029091

Explanation: Incorrect hardware configuration change has been detected.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

57029092 57029092

Explanation: Disk unit requires initialization before use.

Failing Item:

- IOPIP26
-

5702B3B1 5702B3B1

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

5702B3B2 5702B3B2

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

5702B3B3 5702B3B3

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

5702B3B4 5702B3B4

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

5702B3B5 5702B3B5

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

5702B3B6 5702B3B6

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

5702B3B7 5702B3B7

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

5702B3B8 5702B3B8

Explanation: Multi-adapter Bridge error detected

Failing Item:

- MA_BRDG
 - IOP
-

5702B3B9 5702B3B9

Explanation: A permanent I/O processor failure occurred

Failing Item:

5702B3E0 • 5702FF6D

- IOP

5702B3E0 5702B3E0

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
- MA_BRDG

5702B3E1 5702B3E1

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
- MA_BRDG

5702B410 5702B410

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA

5702B411 5702B411

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA

5702B412 5702B412

Explanation: Tape/CD or disk bus interface error occurred

Failing Item:

- IOPIP16
- FI01107
- FI01140
- STORIOA
- DEVTERM

5702B935 5702B935

Explanation: Unknown hardware detected

Failing Item:

- FI01101
- AJDGP01
- IOP
- MA_BRDG

5702BE00 5702BE00

Explanation: I/O processor detected a fault condition

Failing Item:

- AJDGP01
- IOP
- FI01104
- MA_BRDG

5702FF3D 5702FF3D

Explanation: I/O adapter detected recoverable error

Failing Item:

- STORIOA
- ANYBRDG

5702FF6D 5702FF6D

Explanation: I/O processor detected a recoverable system bus error

Failing Item:

- IOP
- ANYBUS

(5703) Reference codes

57031310 57031310

Explanation: I/O processor resource not available

Response: The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57033006 57033006

Explanation: System bus error

Failing Item:

- IOP
- ANYBUS
- STORIOA

57033020 57033020

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

57033021 57033021

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

57033022 57033022

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
- USER
- FI01107

- STORIOA

57033023 57033023

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

57033100 57033100

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
- FI01107
- STORIOA
- FI01140
- DEVBPLN

57033101 57033101

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
- FI01107
- STORIOA
- FI01140
- DEVBPLN

57033102 57033102

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
- FI01107
- STORIOA

57033103 • 57033151

- FI01140
- DEVBPLN

57033103 57033103

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP13
- FI01107
- STORIOA
- FI01140
- DEVBPLN

57033120 57033120

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

57033121 57033121

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

57033122 57033122

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

57033123 57033123

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

57033140 57033140

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

57033141 57033141

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

57033142 57033142

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3122 reference code that occurred before it require no service action, since SCSI bus 2 is now operational.

57033143 57033143

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

57033150 57033150

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

57033151 57033151

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

57033400 57033400

Explanation: I/O processor card detected device error

Failing Item:

- FI02112
 - STORIOA
 - FI01106
 - DEVTERM
 - FI01140
-

57033401 57033401

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
-

57033501 57033501

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

57033600 57033600

Explanation: System log entry only, no service action required

57033601 57033601

Explanation: System log entry only, no service action required

57038008 57038008

Explanation: A permanent cache battery pack failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- CACHBAT
 - STORIOA
-

57038009 57038009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT
-

57038012 57038012

Explanation: Attached read cache devices exceed capacity supported by IOA

Response: Reduce the number of read caches on the IOA.

Failing Item:

- SVCDOCS
-

57038100 57038100

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

57038130 57038130

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

57038131 57038131

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

57038132 57038132

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

57038133 57038133

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

 57038140 57038140

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

 57038141 57038141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

 57038145 57038145

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- STORIOA

 57038146 57038146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

 57038150 57038150

Explanation: A permanent I/O processor failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- STORIOA
- ANYBRDG

 57038151 57038151

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- STORIOA

 57038155 57038155

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

 57038156 57038156

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

 57038157 57038157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS

 57038200 57038200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

 57039000 57039000

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
 - STORIOA
-

57039001 57039001

Explanation: I/O processor card detected device configuration error

Failing Item:

- IOPIP33
-

57039002 57039002

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

57039008 57039008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- IOPIP25
-

57039009 57039009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS
-

57039010 57039010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- IOPIP31
-

57039011 57039011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- IOPIP32
-

57039020 57039020

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20

57039021 57039021

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

57039022 57039022

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

57039023 57039023

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

57039024 57039024

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

57039025 57039025

Explanation: Disk unit is not supported at its physical location.

Failing Item:

- IOPIP21
-

57039026 57039026

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

57039027 57039027

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP34
-

57039028 57039028

Explanation: Incorrect hardware configuration change has been detected.

Response: Reduce the number of arrays on IOP. Either

57039029 • 57039053

move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item:

- SVCDOCS

57039029 57039029

Explanation: Incorrect hardware configuration change has been detected.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

5703902F 5703902F

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 array members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

57039030 57039030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- IOPIP21

57039031 57039031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57039032 57039032

Explanation: A disk unit in a RAID array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- FI02112
- IOPIP21

57039040 57039040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

57039041 57039041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- AJDGP01

57039042 57039042

Explanation: An array parity error has been detected and corrected

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

57039050 57039050

Explanation: Required cache data cannot be located for a disk unit.

Failing Item:

- IOPIP30

57039051 57039051

Explanation: IOP cache data exists for a missing or failed device.

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27

57039052 57039052

Explanation: Cache data exists for device that has been modified.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

57039053 57039053

Explanation: IOP resources not available due to previous problems.

Response: Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a

type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS

57039054 57039054

Explanation: IOP resources not available due to previous problems.

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS

57039071 57039071

Explanation: Link from IOA to auxiliary cache IOA went operational

Response: No service action required.

57039072 57039072

Explanation: Link from IOA to auxiliary cache IOA went non-operational

Response: No service action required.

57039073 57039073

Explanation: Incompatible or non-operational auxiliary cache IOA attached

Failing Item:

- IOPIP40

57039081 57039081

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
- STORIOA

57039082 57039082

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140

- BACKPLN
- FI01106

57039090 57039090

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57039091 57039091

Explanation: Incorrect hardware configuration change has been detected.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57039092 57039092

Explanation: Disk unit requires initialization before use.

Failing Item:

- IOPIP26

57039093 57039093

Explanation: Read cache device not in correct format

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

5703B934 5703B934

Explanation: Incompatible hardware detected.

Failing Item:

- STORIOA

5703FF3D 5703FF3D

Explanation: I/O adapter detected recoverable error

Failing Item:

- STORIOA

5703FF6D

- ANYBRDG

5703FF6D 5703FF6D

Explanation: I/O processor detected a recoverable system bus error

Failing Item:

- IOP
- ANYBUS

(5704) Reference codes

57041310 57041310

Explanation: I/O processor or I/O adapter resource not available

Response: The I/O processor or I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57043020 57043020

Explanation: I/O processor detected a configuration error

Response: Either too many devices or the wrong kind of devices have been configured under the IOA. Change the configuration.

Failing Item:

- SVCDOCS

57043100 57043100

Explanation: I/O processor card detected interface error.

Failing Item:

- FCINTF
- ANYFC
- FCIOA
- OPT_CLN

57043120 57043120

Explanation: I/O processor detected a port failure.

Failing Item:

- FCPORT
- FCIOA
- FCDEV
- OPT_CLN

57043140 57043140

Explanation: I/O Processor detected that a port is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

57043200 57043200

Explanation: A disk device reported a failure

Failing Item:

- FCDEV
- FCIOA
- IOP
- OPT_CLN

57043400 57043400

Explanation: I/O processor card detected device error

Failing Item:

- FCDEV
- FCINTF
- ANYFC
- FCIOA
- OPT_CLN

570434FF 570434FF

Explanation: Format in progress

Response: The device indicated that a format is in progress. When the format is complete, the device should be useable. No action is required. This reference code is logged for information only.

57048130 57048130

Explanation: Recovered Fibre Channel interface error

Response: No action required. This reference code is logged for information only.

57048140 57048140

Explanation: Recovered Fibre Channel interface error

Response: No action required. This reference code is logged for information only.

57048141 57048141

Explanation: IOA detected recoverable device error

Response: No action required. This reference code is logged for information only.

57048145 57048145

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- FCIOA
- OPT_CLN

57048146 • 5704FF3D

57048146 57048146

Explanation: Disk device detected recoverable error

Failing Item:

- FCDEV

57048150 57048150

Explanation: A permanent I/O processor failure occurred

Failing Item:

- FCIOA
- ANYBRDG
- OPT_CLN

57048151 57048151

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- FCIOA
- IOP
- OPT_CLN

57048155 57048155

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- FCIOA
- OPT_CLN

57048156 57048156

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- FCIOA
- OPT_CLN

57049091 57049091

Explanation: Incorrect hardware configuration change has been detected.

Response: Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see Debug the resource. If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57049092 57049092

Explanation: Incorrect hardware configuration change has been detected.

Response: Reset the I/O processor and then IPL the I/O processor. For information about how to reset and IPL the I/O processor, see Debug the resource. If an I/O processor reset and I/O processor IPL does not resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

5704FF3D 5704FF3D

Explanation: Recovered IOA error

Failing Item:

- FCIOA
- ANYBRDG
- OPT_CLN

(5706) Reference codes

5706A001 5706A001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDGP01
-

5706B9B0 5706B9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- AJDGP01

(5707) Reference codes

5707A001 5707A001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDGP01

5707B9B0 5707B9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- AJDGP01

(5708) Reference codes

57081310 57081310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57083006 57083006

Explanation: System bus error

Response:

Failing Item:

- AUXIOA
 - ANYBRDG
 - IOP
-

57083100 57083100

Explanation: Interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- AUXCBL
 - AUXIOA
 - PRIMIOA
-

57083101 57083101

Explanation: Interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- AUXCBL
 - AUXIOA
 - PRIMIOA
-

57083400 57083400

Explanation: SCSI resource error

Response:

Failing Item:

- AUXCBL
 - PRIMIOA
-

57086075 57086075

Explanation: I/O processor resource not available

Response:

Failing Item:

- PTFSRCH
-

57088008 57088008

Explanation: A permanent cache battery pack failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- CACHBAT
 - AUXIOA
-

57088009 57088009

Explanation: Impending cache battery pack failure

Response:

Failing Item:

- CACHBAT
-

57088130 57088130

Explanation: IOA detected recoverable SCSI bus error

Response: An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

57088131 57088131

Explanation: IOA detected recoverable SCSI bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

57088140 57088140

Explanation: IOA detected recoverable SCSI bus error

Response: No action is required. This reference code is logged for information only.

57088141 57088141

Explanation: IOA detected recoverable SCSI resource error

Response: No action is required. This reference code is logged for information only.

57088145 57088145

Explanation: A recoverable error occurred

Response:

Failing Item:

- AUXIOA

57088150 57088150

Explanation: A permanent failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- AUXIOA
- ANYBRDG

57088151 57088151

Explanation: Licensed Internal Code error

Response:

Failing Item:

- PTFSRCH
- AUXIOA

57088155 57088155

Explanation: A permanent failure occurred

Response:

Failing Item:

- PTFSRCH
- AUXIOA

57088156 57088156

Explanation: A permanent failure occurred

Response:

Failing Item:

- PTFSRCH
- AUXIOA

57088157 57088157

Explanation: I/O adapter card temporary error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.

2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS

57088300 57088300

Explanation: IOA hardware or PCI bus error

Response:

Failing Item:

- AUXIOA
- ANYBRDG
- PTFSRCH

57088301 57088301

Explanation: Not valid condition in Licensed Internal Code

Response:

Failing Item:

- PTFSRCH
- AUXIOA

57088302 57088302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item:

- SVCDOCS
- AUXIOA

57089055 57089055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

57089071 57089071

Explanation: Link from IOA to auxiliary cache IOA went operational

Response: No service action required.

57089072 57089072

Explanation: Link from IOA to auxiliary cache IOA went non-operational

Response: No service action required.

57089073 57089073

Explanation: Disconnected, incompatible, or non-operational storage IOA

Response:

Failing Item:

- IOPIP41
-

5708FF3D 5708FF3D

Explanation: I/O adapter detected recoverable error

Response:

Failing Item:

- AUXIOA
- ANYBRDG

(5709) Reference codes

57091310 57091310

Explanation: I/O processor resource not available

Response: The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57093006 57093006

Explanation: System bus error

Failing Item:

- IOP
 - ANYBUS
 - STORIOA
-

57093020 57093020

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

57093021 57093021

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

57093022 57093022

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
 - USER
 - FI01107
-

- STORIOA
-

57093023 57093023

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

57093100 57093100

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

57093101 57093101

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

57093102 57093102

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
-

57093103 • 57093151

- FI01140
- DEVBPLN

57093103 57093103

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP13
- FI01107
- STORIOA
- FI01140
- DEVBPLN

57093120 57093120

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

57093121 57093121

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

57093122 57093122

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

57093123 57093123

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

57093140 57093140

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

57093141 57093141

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

57093142 57093142

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3122 reference code that occurred before it require no service action, since SCSI bus 2 is now operational.

57093143 57093143

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

57093150 57093150

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

57093151 57093151

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

57093400 57093400

Explanation: I/O processor card detected device error

Failing Item:

- FI02112
 - STORIOA
 - FI01106
 - DEVTERM
 - FI01140
-

57093401 57093401

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
-

57093501 57093501

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

57093600 57093600

Explanation: System log entry only, no service action required

57093601 57093601

Explanation: System log entry only, no service action required

57098008 57098008

Explanation: A permanent cache battery pack failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- CACHBAT
 - STORIOA
-

57098009 57098009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT
-

57098012 57098012

Explanation: Attached read cache devices exceed capacity supported by IOA

Response: Reduce the number of read caches on the IOA.

Failing Item:

- SVCDOCS
-

57098100 57098100

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

57098130 57098130

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

57098131 57098131

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

57098132 57098132

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

57098133 57098133

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

 57098140 57098140

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

 57098141 57098141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

 57098145 57098145

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- STORIOA

 57098146 57098146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

 57098150 57098150

Explanation: A permanent I/O processor failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- STORIOA
- ANYBRDG

 57098151 57098151

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- STORIOA

 57098155 57098155

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

 57098156 57098156

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
- STORIOA

 57098157 57098157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS

 57098200 57098200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
- IOP

 57099000 57099000

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
 - STORIOA
-

57099001 57099001

Explanation: I/O processor card detected device configuration error

Failing Item:

- IOPIP33
-

57099002 57099002

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

57099008 57099008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- IOPIP25
-

57099009 57099009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS
-

57099010 57099010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- IOPIP31
-

57099011 57099011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- IOPIP32
-

57099020 57099020

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20

57099021 57099021

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

57099022 57099022

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

57099023 57099023

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

57099024 57099024

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

57099025 57099025

Explanation: Disk unit is not supported at its physical location.

Failing Item:

- IOPIP21
-

57099026 57099026

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

57099027 57099027

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP34
-

57099028 57099028

Explanation: Incorrect hardware configuration change has been detected.

Response: Reduce the number of arrays on IOP. Either

57099029 • 57099053

move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item:

- SVCDOCS

57099029 57099029

Explanation: Incorrect hardware configuration change has been detected.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

5709902F 5709902F

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 array members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

57099030 57099030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- IOPIP21

57099031 57099031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57099032 57099032

Explanation: A disk unit in a RAID array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- FI02112
- IOPIP21

57099040 57099040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

57099041 57099041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- AJDGP01

57099042 57099042

Explanation: An array parity error has been detected and corrected

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

57099050 57099050

Explanation: Required cache data cannot be located for a disk unit.

Failing Item:

- IOPIP30

57099051 57099051

Explanation: IOP cache data exists for a missing or failed device.

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27

57099052 57099052

Explanation: Cache data exists for device that has been modified.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

57099053 57099053

Explanation: IOP resources not available due to previous problems.

Response: Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a

type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS

57099054 57099054

Explanation: IOP resources not available due to previous problems.

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS

57099071 57099071

Explanation: Link from IOA to auxiliary cache IOA went operational

Response: No service action required.

57099072 57099072

Explanation: Link from IOA to auxiliary cache IOA went non-operational

Response: No service action required.

57099073 57099073

Explanation: Incompatible or non-operational auxiliary cache IOA attached

Failing Item:

- IOPIP40

57099081 57099081

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
- STORIOA

57099082 57099082

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140

- BACKPLN
- FI01106

57099090 57099090

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57099091 57099091

Explanation: Incorrect hardware configuration change has been detected.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57099092 57099092

Explanation: Disk unit requires initialization before use.

Failing Item:

- IOPIP26

57099093 57099093

Explanation: Read cache device not in correct format

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

5709B934 5709B934

Explanation: Incompatible hardware detected.

Failing Item:

- STORIOA

5709FF3D 5709FF3D

Explanation: I/O adapter detected recoverable error

Failing Item:

- STORIOA

5709FF6D

- ANYBRDG

5709FF6D 5709FF6D

Explanation: I/O processor detected a recoverable system bus error

Failing Item:

- IOP
- ANYBUS

(570B) Reference codes

570B0A17 570B0A17

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
- MA_BRDG
- AJDGP01
- AJDG301

570B0A22 570B0A22

Explanation: I/O processor detected a storage transfer error

Failing Item:

- AJDGP01
- AJDG301
- IOP
- MA_BRDG

570B102E 570B102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- FI01105

570B1306 570B1306

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- AJDGP01
- IOP
- FI01104
- BACKPLN

570B1307 570B1307

Explanation: I/O processor resource not available

Failing Item:

- AJDGP01
- AJDG301

570B1310 570B1310

Explanation: I/O processor resource not available

Response: The I/O processor error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

570B1317 570B1317

Explanation: I/O processor card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates IOP, then replace the IOP. If the Failing Item indicates SVCDOCS, then do NOT replace the IOP. This is a recoverable error. Perform the following:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.

2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS

570B2200 570B2200

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01

570B2201 570B2201

Explanation: Removable media error during IPL

Failing Item:

- USER
- FI01105

570B2202 570B2202

Explanation: Removable media error during IPL

Failing Item:

- FI00022
- FI01105

570B3000 570B3000

Explanation: A permanent I/O processor failure occurred

Failing Item:

570B3001 • 570B3084

- FI01101
- IOP
- MA_BRDG

570B3001 570B3001

Explanation: Not valid condition in I/O Processor Licensed Internal Code

Response: The Licensed Internal Code found a condition that should not have occurred.

Failing Item:

- IOP
- AJDGP01

570B3002 570B3002

Explanation: Addressed device failed to respond to selection

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- FI01141
- FI01106

570B3006 570B3006

Explanation: System bus error

Failing Item:

- IOP
- ANYBUS
- FI01101

570B3020 570B3020

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

570B3021 570B3021

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

570B3022 570B3022

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

570B3023 570B3023

Explanation: I/O processor detected a SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
- USER
- FI01107
- STORIOA

570B3080 570B3080

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01

570B3081 570B3081

Explanation: System log entry only, no service action required

570B3084 570B3084

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- AJDGP01
- IOP
- FI01104
- MA_BRDG

570B3087 **570B3087**

Explanation: I/O processor resource not available

Response: The Licensed Internal Code could not allocate resources on the I/O processor card.

Failing Item:

- AJDGP01
 - AJDG301
 - IOACNFG
 - FI01104
-

570B3100 **570B3100**

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

570B3101 **570B3101**

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

570B3102 **570B3102**

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

570B3103 **570B3103**

Explanation: I/O processor card detected interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

570B3109 **570B3109**

Explanation: I/O processor timed out a device command

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

570B3110 **570B3110**

Explanation: I/O processor card detected interface error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

570B3120 **570B3120**

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 0 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS
-

570B3121 **570B3121**

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 1 of the I/O Adapter and caused the bus to become not

570B3122 • 570B3205

operational. Remove the device.

Failing Item:

- SVCDOCS

570B3122 570B3122

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 2 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

570B3123 570B3123

Explanation: I/O Processor detected that the bus is not operational

Response: A device was added to SCSI bus 3 of the I/O Adapter and caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

570B3136 570B3136

Explanation: The removable media device is assigned elsewhere

Failing Item:

- USER
- FI01105

570B3140 570B3140

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since SCSI bus 0 is now operational.

570B3141 570B3141

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since SCSI bus 1 is now operational.

570B3142 570B3142

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3122 reference code that occurred before it require no service action,

since SCSI bus 2 is now operational.

570B3143 570B3143

Explanation: I/O Processor detected that the bus is now operational

Response: This reference code and the 3123 reference code that occurred before it require no service action, since SCSI bus 3 is now operational.

570B3150 570B3150

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

570B3151 570B3151

Explanation: I/O processor detected a SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

570B3200 570B3200

Explanation: A tape/CD or disk device reported a failure

Failing Item:

- FI01105
- STORIOA
- IOP
- MEDIA

570B3203 570B3203

Explanation: Disk media format bad

Failing Item:

- FI01105

570B3205 570B3205

Explanation: Disk sector read error

Response: Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.

Failing Item:

- FI01105

570B3215 **570B3215**
Explanation: Disk sector read error**Response:** Disk unit data may need to be reloaded, but the disk unit does not need to be replaced.**Failing Item:**

- FI01105
-

570B3250 **570B3250**
Explanation: Disk unit requires initialization before use.**Response:** Perform a D-IPL and work on errors found in the log.**Failing Item:**

- USER
-

570B3300 **570B3300**
Explanation: Storage unit detected a media problem**Failing Item:**

- IOPIP01
 - MEDIA
 - FI00121
 - FI01141
-

570B3400 **570B3400**
Explanation: I/O processor card detected device error**Response:** NOTE: If external devices are attached check EXTSCSI and DEVTERM first.**Failing Item:**

- FI02112
 - STORIOA
 - FI01106
 - DEVTERM
 - FI01140
-

570B3401 **570B3401**
Explanation: Device backplane problem**Failing Item:**

- DEVBPLN
-

570B3501 **570B3501**
Explanation: I/O processor Licensed Internal Code error**Failing Item:**

- AJDGP01
 - IOP
-

570B3600 **570B3600**
Explanation: System log entry only, no service action required

570B3601 **570B3601**
Explanation: System log entry only, no service action required

570B6070 **570B6070**
Explanation: A permanent I/O processor failure occurred**Failing Item:**

- IOP
-

570B6071 **570B6071**
Explanation: I/O processor Licensed Internal Code error**Failing Item:**

- AJDGP01
-

570B6072 **570B6072**
Explanation: I/O processor Licensed Internal Code error**Failing Item:**

- AJDGP01
 - IOP
-

570B6073 **570B6073**
Explanation: IPL device not ready**Failing Item:**

- MEDIA
 - FI01105
 - USER
-

570B6075 **570B6075**
Explanation: I/O processor resource not available**Failing Item:**

- AJDGP01
-

570B6076 **570B6076**
Explanation: I/O processor card detected media error**Failing Item:**

- MEDIA
 - AJDGP01
 - FI01105
-

570B6081 **570B6081**

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

570B6082 **570B6082**

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

570B6083 **570B6083**

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

570B6085 **570B6085**

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
 - MA_BRDG
-

570B6200 **570B6200**

Explanation: A permanent IOA hardware error occurred

Failing Item:

- FCIOA
 - OPT_CLN
-

570B6201 **570B6201**

Explanation: IOA LID is not valid

Failing Item:

- AJDGP01
-

570B6602 **570B6602**

Explanation: An I/O processor Licensed Internal Code error occurred.

Failing Item:

- AJDGP01
-

570B8000 **570B8000**

Explanation: A permanent IOP or cache adapter card failure occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- STORIOA
 - CACHE
-

570B8002 **570B8002**

Explanation: A permanent cache adapter card failure occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

570B8004 **570B8004**

Explanation: Voltage drop detected on I/O processor 5 volt power supply.

Failing Item:

- FI01141
 - STORIOA
-

570B8005 **570B8005**

Explanation: A recoverable IOP or cache adapter card error occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- STORIOA
 - CACHE
-

570B8007 **570B8007**

Explanation: A recoverable cache adapter card error occurred.

Response: DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

570B8010 **570B8010**

Explanation: A permanent cache adapter card failure occurred.

Response: The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

570B8011 **570B8011**

Explanation: A permanent cache adapter card failure occurred.

Response: The cache adapter card may be missing, broken or incompatible.

DO NOT replace both FRUs at the same time. Exchange the FRUs one at a time in the order shown.

Failing Item:

- CACHE
 - STORIOA
-

570B8100 **570B8100**

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

570B8130 **570B8130**

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

570B8131 **570B8131**

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

570B8132 **570B8132**

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action

is required. This reference code is logged for information only.

570B8133 **570B8133**

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

570B8140 **570B8140**

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

570B8141 **570B8141**

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

570B8145 **570B8145**

Explanation: A recoverable I/O processor error occurred.

Failing Item:

- STORIOA
-

570B8146 **570B8146**

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105
-

570B8150 **570B8150**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA
 - ANYBRDG
-

570B8151 **570B8151**

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - STORIOA
-

570B8155 **570B8155**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
 - STORIOA
-

570B8156 **570B8156**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- AJDGP01
 - STORIOA
-

570B8157 **570B8157**

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS
-

570B8200 **570B8200**

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
 - IOP
-

570B8300 **570B8300**

Explanation: I/O processor card or Licensed Internal Code error

Response: A microprocessor exception occurred on the I/O processor.

Failing Item:

- STORIOA
 - IOP
 - AJDGP01
-

570B8301 **570B8301**

Explanation: Not valid condition in I/O Processor Licensed Internal Code

Response: The Licensed Internal Code found a condition that should not have occurred.

Failing Item:

- FI01101
 - AJDGP01
 - IOP
-

570B8400 **570B8400**

Explanation: I/O processor Licensed Internal Code error

Failing Item:

- AJDGP01
-

570B9000 **570B9000**

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
 - STORIOA
-

570B9001 **570B9001**

Explanation: I/O processor card detected device configuration error

Failing Item:

- IOPIP33
-

570B9002 **570B9002**

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

570B9008 **570B9008**

Explanation: I/O card does not support functions expected by devices

Failing Item:

- IOPIP25
-

570B9009 570B9009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS
-

570B9010 570B9010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- IOPIP31
-

570B9011 570B9011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- IOPIP32
-

570B9012 570B9012

Explanation: IOP requires a cache adapter card but cannot find it.

Response: The cache adapter card is missing or broken.

Failing Item:

- IOPIP29
 - CACHE
-

570B9013 570B9013

Explanation: The IOP and attached cache adapter card are not compatible.

Failing Item:

- IOPIP19
-

570B9020 570B9020

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

570B9021 570B9021

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP20
-

570B9022 570B9022

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

570B9023 570B9023

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

570B9024 570B9024

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

570B9025 570B9025

Explanation: Disk unit is not supported at its physical location.

Failing Item:

- IOPIP21
-

570B9026 570B9026

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP22
-

570B9027 570B9027

Explanation: Array not functional due to present hardware configuration.

Failing Item:

- IOPIP34
-

570B9028 570B9028

Explanation: Incorrect hardware configuration change has been detected.

Response: Reduce the number of arrays on IOP. Either move all devices in an array to another IOP that supports arrays, or stop an array on this IOP.

Failing Item:

- SVCDOCS
-

570B9029 **570B9029**

Explanation: Incorrect hardware configuration change has been detected.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

570B902F **570B902F**

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

570B9030 **570B9030**

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- IOPIP21

570B9031 **570B9031**

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

570B9040 **570B9040**

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

570B9041 **570B9041**

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- AJDGP01

570B9050 **570B9050**

Explanation: Required cache data cannot be located for a disk unit.

Failing Item:

- IOPIP30

570B9051 **570B9051**

Explanation: IOP cache data exists for a missing or failed device.

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27

570B9052 **570B9052**

Explanation: Cache data exists for device that has been modified.

Failing Item:

- IOPIP28

570B9053 **570B9053**

Explanation: IOP resources not available due to previous problems.

Response: Take action on other IOP reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS

570B9054 **570B9054**

Explanation: IOP resources not available due to previous problems.

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other IOP reference codes and take action on them.

Failing Item:

- SVCDOCS

570B9081 **570B9081**

Explanation: I/O processor card detected device error

Failing Item:

- FI01105
- STORIOA

570B9082 **570B9082**

Explanation: I/O processor card detected device error

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

570B9090 **570B9090**

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

570B9091 **570B9091**

Explanation: Incorrect hardware configuration change has been detected.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

570B9092 **570B9092**

Explanation: Disk unit requires initialization before use.

Failing Item:

- IOPIP26
-

570BB3B1 **570BB3B1**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

570BB3B2 **570BB3B2**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

570BB3B3 **570BB3B3**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

570BB3B4 **570BB3B4**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

570BB3B5 **570BB3B5**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

570BB3B6 **570BB3B6**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

570BB3B7 **570BB3B7**

Explanation: A permanent I/O processor failure occurred

Failing Item:

- IOP
-

570BB3B8 **570BB3B8**

Explanation: Multi-adapter Bridge error detected

Failing Item:

- MA_BRDG
 - IOP
-

570BB3B9 **570BB3B9**

Explanation: A permanent I/O processor failure occurred

Failing Item:

570BB3E0 • 570BFF6D

- IOP

570BB3E0 570BB3E0

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
- MA_BRDG

570BB3E1 570BB3E1

Explanation: I/O processor detected a fault condition

Failing Item:

- IOP
- MA_BRDG

570BB410 570BB410

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA

570BB411 570BB411

Explanation: A permanent I/O processor failure occurred

Failing Item:

- STORIOA

570BB412 570BB412

Explanation: Tape/CD or disk bus interface error occurred

Failing Item:

- IOPIP16
- FI01107
- FI01140
- STORIOA
- DEVTERM

570BB935 570BB935

Explanation: Unknown hardware detected

Failing Item:

- FI01101
- AJDGP01
- IOP
- MA_BRDG

570BBE00 570BBE00

Explanation: I/O processor detected a fault condition

Failing Item:

- AJDGP01
- IOP
- FI01104
- MA_BRDG

570BFF3D 570BFF3D

Explanation: I/O adapter detected recoverable error

Failing Item:

- STORIOA
- ANYBRDG

570BFF6D 570BFF6D

Explanation: I/O processor detected a recoverable system bus error

Failing Item:

- IOP
- ANYBUS

(571A) Reference codes

571A1310 571A1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

571A3000 571A3000

Explanation: A permanent failure occurred

Failing Item:

- FI01101
 - ANYBRDG
-

571A3006 571A3006

Explanation: System bus error

Failing Item:

- FI01101
 - ANYBRDG
 - PTFSRCH
-

571A3020 571A3020

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

571A3021 571A3021

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

571A3022 571A3022

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

571A3023 571A3023

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

571A3100 571A3100

Explanation: Interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

571A3101 571A3101

Explanation: Interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

571A3102 571A3102

Explanation: Interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
- FI01107

571A3103 • 571A3200

- STORIOA
- FI01140
- DEVBPLN

571A3103 571A3103

Explanation: Interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP3
- FI01107
- STORIOA
- FI01140
- DEVBPLN

571A3120 571A3120

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 0 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

571A3121 571A3121

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 1 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

571A3122 571A3122

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 2 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

571A3123 571A3123

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 3 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

571A3140 571A3140

Explanation: Bus is operational

Response: This reference code and the 3120 reference code that occurred before it require no service action because SCSI bus 0 is now operational.

571A3141 571A3141

Explanation: Bus is operational

Response: This reference code and the 3121 reference code that occurred before it require no service action because SCSI bus 1 is now operational.

571A3142 571A3142

Explanation: Bus is operational

Response: This reference code and the 3122 reference code that occurred before it require no service action because SCSI bus 2 is now operational.

571A3143 571A3143

Explanation: Bus is operational

Response: This reference code and the 3123 reference code that occurred before it require no service action because SCSI bus 3 is now operational.

571A3150 571A3150

Explanation: SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

571A3151 571A3151

Explanation: SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

571A3200 571A3200

Explanation: A tape/CD or disk device reported a failure

Failing Item:

- FI01105
- STORIOA
- MEDIA

571A3202 **571A3202**

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS
-

571A3400 **571A3400**

Explanation: Device error

Response: NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item:

- FI02112
 - STORIOA
 - FI01106
 - FI01140
-

571A3401 **571A3401**

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
-

571A3405 **571A3405**

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH
-

571A34FF **571A34FF**

Explanation: A device on this adapter is being formatted. Wait for the formatting to complete.

Failing Item:

- SVCDOCS

571A3501 **571A3501**

Explanation: Licensed Internal Code error

Response: The device type is either unsupported or the code has not been loaded to support it.

Failing Item:

- FI01105
 - PTFSRCH
-

571A3601 **571A3601**

Explanation: System log entry only. No service action required.

571A4150 **571A4150**

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

571A4160 • 571A8130

the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

571A4160 571A4160

Explanation: I/O adapter detected and recovered a PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

571A8008 571A8008

Explanation: A permanent cache battery pack failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- CACHBAT
- STORIOA

571A8009 571A8009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

571A8100 571A8100

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- STORIOA

571A8130 571A8130

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action

is required. This reference code is logged for information only.

571A8131 571A8131

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

571A8132 571A8132

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

571A8133 571A8133

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

571A8140 571A8140

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

571A8141 571A8141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

571A8145 571A8145

Explanation: A recoverable error occurred

Failing Item:

- STORIOA

571A8146 571A8146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

571A8150 571A8150

Explanation: A permanent failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- STORIOA
- ANYBRDG

571A8151 571A8151

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- STORIOA

571A8155 571A8155

Explanation: A permanent failure occurred

Failing Item:

- PTFSRCH
- STORIOA

571A8156 571A8156

Explanation: A permanent failure occurred

Failing Item:

- PTFSRCH
- STORIOA

571A8157 571A8157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the "VRYCFG RESET(*YES)" command to reset the IOP and Vary On attached resources.

Failing Item:

571A8300 • 571A9020

- SVCDOCS

571A8300 571A8300

Explanation: IOA hardware error or PCI bus error

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

571A8301 571A8301

Explanation: Not valid condition in Licensed Internal Code

Failing Item:

- PTFSRCH
- STORIOA

571A8302 571A8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item:

- SVCDOCS
- STORIOA

571A8400 571A8400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

571A8404 571A8404

Explanation: System log entry only. No service action required.

571A9000 571A9000

Explanation: Device error

Failing Item:

- FI01105
- STORIOA

571A9001 571A9001

Explanation: Device configuration error

Response:

Failing Item:

- IOPIP33

571A9002 571A9002

Explanation: Device error

Response:

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- BACKPLN
- FI01106

571A9008 571A9008

Explanation: I/O card does not support functions expected by devices

Response:

Failing Item:

- IOPIP25

571A9009 571A9009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS

571A9010 571A9010

Explanation: Cache data associated with attached devices cannot be found

Response:

Failing Item:

- IOPIP31

571A9011 571A9011

Explanation: Cache data belongs to devices other than those attached

Response:

Failing Item:

- IOPIP32

571A9020 571A9020

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP20

571A9021 571A9021

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP20
-

571A9022 571A9022

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

571A9023 571A9023

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

571A9024 571A9024

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

571A9025 571A9025

Explanation: Disk unit is not supported at its physical location.

Response:

Failing Item:

- IOPIP21
-

571A9026 571A9026

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

571A9027 571A9027

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP34
-

571A9028 571A9028

Explanation: Incorrect hardware configuration change detected

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

571A9029 571A9029

Explanation: Incorrect hardware configuration change detected

Response: Contact your next level of support.

Failing Item:

- SVCDOCS
-

571A902F 571A902F

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

571A9030 571A9030

Explanation: Array no longer protected due to missing or failed disk unit

Response:

Failing Item:

- FI02112
 - IOPIP21
-

571A9031 571A9031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

571A9032 • 571A9072

571A9032 571A9032

Explanation: A disk unit in a RAID array is missing or failed

Response: The array is still protected, but the disk unit should be replaced. Replace the device first if a device is listed first in the Service Action Log. If a device is not listed first in the Service Action Log then perform the procedure.

Failing Item:

- FI02112
- IOPIP21

571A9040 571A9040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

571A9041 571A9041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- PTFSRCH

571A9042 571A9042

Explanation: An array parity error has been detected and corrected

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

571A9050 571A9050

Explanation: Required cache data cannot be located for a disk unit.

Response:

Failing Item:

- IOPIP30

571A9051 571A9051

Explanation: Cache data exists for a missing or failed device

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27

571A9052 571A9052

Explanation: Cache data exists for device that has been modified.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

571A9053 571A9053

Explanation: IOA resources not available due to previous problems

Response: Take action on other reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item:

- SVCDOCS

571A9054 571A9054

Explanation: IOA resources not available due to previous problems

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item:

- SVCDOCS

571A9071 571A9071

Explanation: Link from IOA to auxiliary cache IOA went operational

Response: No service action required.

571A9072 571A9072

Explanation: Link from IOA to auxiliary cache IOA went non-operational

Response: No service action required.

571A9073 **571A9073**

Explanation: Incompatible or non-operational auxiliary cache IOA attached

Response:

Failing Item:

- IOPIP40
-

571A9081 **571A9081**

Explanation: Device error

Failing Item:

- FI01105
 - STORIOA
-

571A9082 **571A9082**

Explanation: Device error

Response:

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

571A9090 **571A9090**

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

571A9091 **571A9091**

Explanation: Incorrect hardware configuration change detected

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

571A9092 **571A9092**

Explanation: Disk unit requires initialization before use.

Response:

Failing Item:

- IOPIP26
-

571A9500 **571A9500**

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH
-

571A9902 **571A9902**

Explanation: System log entry only. No service action required.

571A9903 **571A9903**

Explanation: Tape device information was logged. Informational event, no service required.

571AC000 **571AC000**

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

571AC100 **571AC100**

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

571AC402 **571AC402**

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH
-

571AFF3D **571AFF3D**

Explanation: I/O adapter detected a recoverable error

Failing Item:

- STORIOA
 - ANYBRDG
-

571AFF6D

571AFF6D 571AFF6D

Explanation: Recoverable system bus error

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

(571B) Reference codes

571B1310 571B1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

571B3000 571B3000

Explanation: A permanent failure occurred

Failing Item:

- FI01101
 - ANYBRDG
-

571B3006 571B3006

Explanation: System bus error

Failing Item:

- FI01101
 - ANYBRDG
 - PTFSRCH
-

571B3020 571B3020

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

571B3021 571B3021

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

571B3022 571B3022

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

571B3023 571B3023

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

571B3100 571B3100

Explanation: Interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

571B3101 571B3101

Explanation: Interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

571B3102 571B3102

Explanation: Interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
- FI01107

571B3103 • 571B3200

- STORIOA
- FI01140
- DEVBPLN

571B3103 571B3103

Explanation: Interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP3
- FI01107
- STORIOA
- FI01140
- DEVBPLN

571B3120 571B3120

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 0 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

571B3121 571B3121

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 1 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

571B3122 571B3122

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 2 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

571B3123 571B3123

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 3 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

571B3140 571B3140

Explanation: Bus is operational

Response: This reference code and the 3120 reference code that occurred before it require no service action because SCSI bus 0 is now operational.

571B3141 571B3141

Explanation: Bus is operational

Response: This reference code and the 3121 reference code that occurred before it require no service action because SCSI bus 1 is now operational.

571B3142 571B3142

Explanation: Bus is operational

Response: This reference code and the 3122 reference code that occurred before it require no service action because SCSI bus 2 is now operational.

571B3143 571B3143

Explanation: Bus is operational

Response: This reference code and the 3123 reference code that occurred before it require no service action because SCSI bus 3 is now operational.

571B3150 571B3150

Explanation: SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

571B3151 571B3151

Explanation: SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

571B3200 571B3200

Explanation: A tape/CD or disk device reported a failure

Failing Item:

- FI01105
- STORIOA
- MEDIA

571B3202 **571B3202**

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS
-

571B3400 **571B3400**

Explanation: Device error

Response: NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item:

- FI02112
 - STORIOA
 - FI01106
 - FI01140
-

571B3401 **571B3401**

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
-

571B3405 **571B3405**

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH
-

571B34FF **571B34FF**

Explanation: A device on this adapter is being formatted. Wait for the formatting to complete.

Failing Item:

- SVCDOCS

571B3501 **571B3501**

Explanation: Licensed Internal Code error

Response: The device type is either unsupported or the code has not been loaded to support it.

Failing Item:

- FI01105
 - PTFSRCH
-

571B3601 **571B3601**

Explanation: System log entry only. No service action required.

571B4150 **571B4150**

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

571B4160 • 571B8130

the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

571B4160 571B4160

Explanation: I/O adapter detected and recovered a PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

571B8008 571B8008

Explanation: A permanent cache battery pack failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- CACHBAT
- STORIOA

571B8009 571B8009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

571B8100 571B8100

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- STORIOA

571B8130 571B8130

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action

is required. This reference code is logged for information only.

571B8131 **571B8131**

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

571B8132 **571B8132**

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

571B8133 **571B8133**

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

571B8140 **571B8140**

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

571B8141 **571B8141**

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

571B8145 **571B8145**

Explanation: A recoverable error occurred

Failing Item:

- STORIOA

571B8146 **571B8146**

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

571B8150 **571B8150**

Explanation: A permanent failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- STORIOA
- ANYBRDG

571B8151 **571B8151**

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- STORIOA

571B8155 **571B8155**

Explanation: A permanent failure occurred

Failing Item:

- PTFSRCH
- STORIOA

571B8156 **571B8156**

Explanation: A permanent failure occurred

Failing Item:

- PTFSRCH
- STORIOA

571B8157 **571B8157**

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the "VRYCFG RESET(*YES)" command to reset the IOP and Vary On attached resources.

Failing Item:

571B8300 • 571B9020

- SVCDOCS

571B8300 571B8300

Explanation: IOA hardware error or PCI bus error

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

571B8301 571B8301

Explanation: Not valid condition in Licensed Internal Code

Failing Item:

- PTFSRCH
- STORIOA

571B8302 571B8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item:

- SVCDOCS
- STORIOA

571B8400 571B8400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

571B8404 571B8404

Explanation: System log entry only. No service action required.

571B9000 571B9000

Explanation: Device error

Failing Item:

- FI01105
- STORIOA

571B9001 571B9001

Explanation: Device configuration error

Response:

Failing Item:

- IOPIP33

571B9002 571B9002

Explanation: Device error

Response:

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- BACKPLN
- FI01106

571B9008 571B9008

Explanation: I/O card does not support functions expected by devices

Response:

Failing Item:

- IOPIP25

571B9009 571B9009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS

571B9010 571B9010

Explanation: Cache data associated with attached devices cannot be found

Response:

Failing Item:

- IOPIP31

571B9011 571B9011

Explanation: Cache data belongs to devices other than those attached

Response:

Failing Item:

- IOPIP32

571B9020 571B9020

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP20

571B9021 **571B9021**

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP20
-

571B9022 **571B9022**

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

571B9023 **571B9023**

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

571B9024 **571B9024**

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

571B9025 **571B9025**

Explanation: Disk unit is not supported at its physical location.

Response:

Failing Item:

- IOPIP21
-

571B9026 **571B9026**

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

571B9027 **571B9027**

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP34
-

571B9028 **571B9028**

Explanation: Incorrect hardware configuration change detected

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

571B9029 **571B9029**

Explanation: Incorrect hardware configuration change detected

Response: Contact your next level of support.

Failing Item:

- SVCDOCS
-

571B902F **571B902F**

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

571B9030 **571B9030**

Explanation: Array no longer protected due to missing or failed disk unit

Response:

Failing Item:

- FI02112
 - IOPIP21
-

571B9031 **571B9031**

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

571B9032 571B9032

Explanation: A disk unit in a RAID array is missing or failed

Response: The array is still protected, but the disk unit should be replaced. Replace the device first if a device is listed first in the Service Action Log. If a device is not listed first in the Service Action Log then perform the procedure.

Failing Item:

- FI02112
- IOPIP21

571B9040 571B9040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

571B9041 571B9041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- PTFSRCH

571B9042 571B9042

Explanation: An array parity error has been detected and corrected

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

571B9050 571B9050

Explanation: Required cache data cannot be located for a disk unit.

Response:

Failing Item:

- IOPIP30

571B9051 571B9051

Explanation: Cache data exists for a missing or failed device

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27

571B9052 571B9052

Explanation: Cache data exists for device that has been modified.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

571B9053 571B9053

Explanation: IOA resources not available due to previous problems

Response: Take action on other reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item:

- SVCDOCS

571B9054 571B9054

Explanation: IOA resources not available due to previous problems

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item:

- SVCDOCS

571B9071 571B9071

Explanation: Link from IOA to auxiliary cache IOA went operational

Response: No service action required.

571B9072 571B9072

Explanation: Link from IOA to auxiliary cache IOA went non-operational

Response: No service action required.

571B9073 **571B9073**

Explanation: Incompatible or non-operational auxiliary cache IOA attached

Response:

Failing Item:

- IOPIP40
-

571B9081 **571B9081**

Explanation: Device error

Failing Item:

- FI01105
 - STORIOA
-

571B9082 **571B9082**

Explanation: Device error

Response:

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

571B9090 **571B9090**

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

571B9091 **571B9091**

Explanation: Incorrect hardware configuration change detected

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

571B9092 **571B9092**

Explanation: Disk unit requires initialization before use.

Response:

Failing Item:

- IOPIP26
-

571B9500 **571B9500**

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH
-

571B9902 **571B9902**

Explanation: System log entry only. No service action required.

571B9903 **571B9903**

Explanation: Tape device information was logged. Informational event, no service required.

571BC000 **571BC000**

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

571BC100 **571BC100**

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

571BC402 **571BC402**

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH
-

571BFF3D **571BFF3D**

Explanation: I/O adapter detected a recoverable error

Failing Item:

- STORIOA
 - ANYBRDG
-

571BFF6D

571BFF6D 571BFF6D

Explanation: Recoverable system bus error

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

(571E) Reference codes

571E1310 571E1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

571E3000 571E3000

Explanation: A permanent failure occurred

Failing Item:

- FI01101
 - ANYBRDG
-

571E3006 571E3006

Explanation: System bus error

Failing Item:

- FI01101
 - ANYBRDG
 - PTFSRCH
-

571E3020 571E3020

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

571E3021 571E3021

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

571E3022 571E3022

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

571E3023 571E3023

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

571E3100 571E3100

Explanation: Interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

571E3101 571E3101

Explanation: Interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

571E3102 571E3102

Explanation: Interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
- FI01107

571E3103 • 571E3200

- STORIOA
- FI01140
- DEVBPLN

571E3103 571E3103

Explanation: Interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP3
- FI01107
- STORIOA
- FI01140
- DEVBPLN

571E3120 571E3120

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 0 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

571E3121 571E3121

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 1 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

571E3122 571E3122

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 2 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

571E3123 571E3123

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 3 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

571E3140 571E3140

Explanation: Bus is operational

Response: This reference code and the 3120 reference code that occurred before it require no service action because SCSI bus 0 is now operational.

571E3141 571E3141

Explanation: Bus is operational

Response: This reference code and the 3121 reference code that occurred before it require no service action because SCSI bus 1 is now operational.

571E3142 571E3142

Explanation: Bus is operational

Response: This reference code and the 3122 reference code that occurred before it require no service action because SCSI bus 2 is now operational.

571E3143 571E3143

Explanation: Bus is operational

Response: This reference code and the 3123 reference code that occurred before it require no service action because SCSI bus 3 is now operational.

571E3150 571E3150

Explanation: SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

571E3151 571E3151

Explanation: SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

571E3200 571E3200

Explanation: A tape/CD or disk device reported a failure

Failing Item:

- FI01105
- STORIOA
- MEDIA

571E3202 571E3202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS
-

571E3400 571E3400

Explanation: Device error

Response: NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item:

- FI02112
 - STORIOA
 - FI01106
 - FI01140
-

571E3401 571E3401

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
-

571E3405 571E3405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH
-

571E34FF 571E34FF

Explanation: A device on this adapter is being formatted. Wait for the formatting to complete.

Failing Item:

- SVCDOCS

571E3501 571E3501

Explanation: Licensed Internal Code error

Response: The device type is either unsupported or the code has not been loaded to support it.

Failing Item:

- FI01105
 - PTFSRCH
-

571E3601 571E3601

Explanation: System log entry only. No service action required.

571E4150 571E4150

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

571E4160 • 571E8130

the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

571E4160 571E4160

Explanation: I/O adapter detected and recovered a PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

571E8008 571E8008

Explanation: A permanent cache battery pack failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- CACHBAT
- STORIOA

571E8009 571E8009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

571E8100 571E8100

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- STORIOA

571E8130 571E8130

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action

is required. This reference code is logged for information only.

571E8131 571E8131

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

571E8132 571E8132

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

571E8133 571E8133

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

571E8140 571E8140

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

571E8141 571E8141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

571E8145 571E8145

Explanation: A recoverable error occurred

Failing Item:

- STORIOA

571E8146 571E8146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

571E8150 571E8150

Explanation: A permanent failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- STORIOA
- ANYBRDG

571E8151 571E8151

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- STORIOA

571E8155 571E8155

Explanation: A permanent failure occurred

Failing Item:

- PTFSRCH
- STORIOA

571E8156 571E8156

Explanation: A permanent failure occurred

Failing Item:

- PTFSRCH
- STORIOA

571E8157 571E8157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the "VRYCFG RESET(*YES)" command to reset the IOP and Vary On attached resources.

Failing Item:

571E8300 • 571E9020

- SVCDOCS

571E8300 571E8300

Explanation: IOA hardware error or PCI bus error

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

571E8301 571E8301

Explanation: Not valid condition in Licensed Internal Code

Failing Item:

- PTFSRCH
- STORIOA

571E8302 571E8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item:

- SVCDOCS
- STORIOA

571E8400 571E8400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

571E8404 571E8404

Explanation: System log entry only. No service action required.

571E9000 571E9000

Explanation: Device error

Failing Item:

- FI01105
- STORIOA

571E9001 571E9001

Explanation: Device configuration error

Response:

Failing Item:

- IOPIP33

571E9002 571E9002

Explanation: Device error

Response:

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- BACKPLN
- FI01106

571E9008 571E9008

Explanation: I/O card does not support functions expected by devices

Response:

Failing Item:

- IOPIP25

571E9009 571E9009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS

571E9010 571E9010

Explanation: Cache data associated with attached devices cannot be found

Response:

Failing Item:

- IOPIP31

571E9011 571E9011

Explanation: Cache data belongs to devices other than those attached

Response:

Failing Item:

- IOPIP32

571E9020 571E9020

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP20

571E9021 571E9021

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP20
-

571E9022 571E9022

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

571E9023 571E9023

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

571E9024 571E9024

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

571E9025 571E9025

Explanation: Disk unit is not supported at its physical location.

Response:

Failing Item:

- IOPIP21
-

571E9026 571E9026

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

571E9027 571E9027

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP34
-

571E9028 571E9028

Explanation: Incorrect hardware configuration change detected

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

571E9029 571E9029

Explanation: Incorrect hardware configuration change detected

Response: Contact your next level of support.

Failing Item:

- SVCDOCS
-

571E902F 571E902F

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

571E9030 571E9030

Explanation: Array no longer protected due to missing or failed disk unit

Response:

Failing Item:

- FI02112
 - IOPIP21
-

571E9031 571E9031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

571E9032 • 571E9072

571E9032 571E9032

Explanation: A disk unit in a RAID array is missing or failed

Response: The array is still protected, but the disk unit should be replaced. Replace the device first if a device is listed first in the Service Action Log. If a device is not listed first in the Service Action Log then perform the procedure.

Failing Item:

- FI02112
- IOPIP21

571E9040 571E9040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

571E9041 571E9041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- PTFSRCH

571E9042 571E9042

Explanation: An array parity error has been detected and corrected

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

571E9050 571E9050

Explanation: Required cache data cannot be located for a disk unit.

Response:

Failing Item:

- IOPIP30

571E9051 571E9051

Explanation: Cache data exists for a missing or failed device

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27

571E9052 571E9052

Explanation: Cache data exists for device that has been modified.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

571E9053 571E9053

Explanation: IOA resources not available due to previous problems

Response: Take action on other reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item:

- SVCDOCS

571E9054 571E9054

Explanation: IOA resources not available due to previous problems

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item:

- SVCDOCS

571E9071 571E9071

Explanation: Link from IOA to auxiliary cache IOA went operational

Response: No service action required.

571E9072 571E9072

Explanation: Link from IOA to auxiliary cache IOA went non-operational

Response: No service action required.

571E9073 **571E9073**

Explanation: Incompatible or non-operational auxiliary cache IOA attached

Response:

Failing Item:

- IOPIP40
-

571E9081 **571E9081**

Explanation: Device error

Failing Item:

- FI01105
 - STORIOA
-

571E9082 **571E9082**

Explanation: Device error

Response:

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

571E9090 **571E9090**

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

571E9091 **571E9091**

Explanation: Incorrect hardware configuration change detected

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

571E9092 **571E9092**

Explanation: Disk unit requires initialization before use.

Response:

Failing Item:

- IOPIP26
-

571E9500 **571E9500**

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH
-

571E9902 **571E9902**

Explanation: System log entry only. No service action required.

571E9903 **571E9903**

Explanation: Tape device information was logged. Informational event, no service required.

571EC000 **571EC000**

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

571EC100 **571EC100**

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

571EC402 **571EC402**

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH
-

571EFF3D **571EFF3D**

Explanation: I/O adapter detected a recoverable error

Failing Item:

- STORIOA
 - ANYBRDG
-

571EFF6D

571EFF6D 571EFF6D

Explanation: Recoverable system bus error

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

(571F) Reference codes

571F1310 571F1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

571F3000 571F3000

Explanation: A permanent failure occurred

Failing Item:

- FI01101
 - ANYBRDG
-

571F3006 571F3006

Explanation: System bus error

Failing Item:

- FI01101
 - ANYBRDG
 - PTFSRCH
-

571F3020 571F3020

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

571F3021 571F3021

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

571F3022 571F3022

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

571F3023 571F3023

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

571F3100 571F3100

Explanation: Interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

571F3101 571F3101

Explanation: Interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

571F3102 571F3102

Explanation: Interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
- FI01107

571F3103 • 571F3200

- STORIOA
- FI01140
- DEVBPLN

571F3103 571F3103

Explanation: Interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP3
- FI01107
- STORIOA
- FI01140
- DEVBPLN

571F3120 571F3120

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 0 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

571F3121 571F3121

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 1 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

571F3122 571F3122

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 2 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

571F3123 571F3123

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 3 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

571F3140 571F3140

Explanation: Bus is operational

Response: This reference code and the 3120 reference code that occurred before it require no service action because SCSI bus 0 is now operational.

571F3141 571F3141

Explanation: Bus is operational

Response: This reference code and the 3121 reference code that occurred before it require no service action because SCSI bus 1 is now operational.

571F3142 571F3142

Explanation: Bus is operational

Response: This reference code and the 3122 reference code that occurred before it require no service action because SCSI bus 2 is now operational.

571F3143 571F3143

Explanation: Bus is operational

Response: This reference code and the 3123 reference code that occurred before it require no service action because SCSI bus 3 is now operational.

571F3150 571F3150

Explanation: SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

571F3151 571F3151

Explanation: SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

571F3200 571F3200

Explanation: A tape/CD or disk device reported a failure

Failing Item:

- FI01105
- STORIOA
- MEDIA

571F3202 **571F3202**

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS
-

571F3400 **571F3400**

Explanation: Device error

Response: NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item:

- FI02112
 - STORIOA
 - FI01106
 - FI01140
-

571F3401 **571F3401**

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
-

571F3405 **571F3405**

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH
-

571F34FF **571F34FF**

Explanation: A device on this adapter is being formatted. Wait for the formatting to complete.

Failing Item:

- SVCDOCS

571F3501 **571F3501**

Explanation: Licensed Internal Code error

Response: The device type is either unsupported or the code has not been loaded to support it.

Failing Item:

- FI01105
 - PTFSRCH
-

571F3601 **571F3601**

Explanation: System log entry only. No service action required.

571F4150 **571F4150**

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

571F4160 • 571F8130

the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

571F4160 571F4160

Explanation: I/O adapter detected and recovered a PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

571F8008 571F8008

Explanation: A permanent cache battery pack failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- CACHBAT
- STORIOA

571F8009 571F8009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

571F8100 571F8100

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- STORIOA

571F8130 571F8130

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action

is required. This reference code is logged for information only.

571F8131 571F8131

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

571F8132 571F8132

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

571F8133 571F8133

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

571F8140 571F8140

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

571F8141 571F8141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

571F8145 571F8145

Explanation: A recoverable error occurred

Failing Item:

- STORIOA

571F8146 571F8146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

571F8150 571F8150

Explanation: A permanent failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- STORIOA
- ANYBRDG

571F8151 571F8151

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- STORIOA

571F8155 571F8155

Explanation: A permanent failure occurred

Failing Item:

- PTFSRCH
- STORIOA

571F8156 571F8156

Explanation: A permanent failure occurred

Failing Item:

- PTFSRCH
- STORIOA

571F8157 571F8157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the "VRYCFG RESET(*YES)" command to reset the IOP and Vary On attached resources.

Failing Item:

571F8300 • 571F9020

- SVCDOCS

571F8300 571F8300

Explanation: IOA hardware error or PCI bus error

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

571F8301 571F8301

Explanation: Not valid condition in Licensed Internal Code

Failing Item:

- PTFSRCH
- STORIOA

571F8302 571F8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item:

- SVCDOCS
- STORIOA

571F8400 571F8400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

571F8404 571F8404

Explanation: System log entry only. No service action required.

571F9000 571F9000

Explanation: Device error

Failing Item:

- FI01105
- STORIOA

571F9001 571F9001

Explanation: Device configuration error

Response:

Failing Item:

- IOPIP33

571F9002 571F9002

Explanation: Device error

Response:

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- BACKPLN
- FI01106

571F9008 571F9008

Explanation: I/O card does not support functions expected by devices

Response:

Failing Item:

- IOPIP25

571F9009 571F9009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS

571F9010 571F9010

Explanation: Cache data associated with attached devices cannot be found

Response:

Failing Item:

- IOPIP31

571F9011 571F9011

Explanation: Cache data belongs to devices other than those attached

Response:

Failing Item:

- IOPIP32

571F9020 571F9020

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP20

571F9021 571F9021

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP20
-

571F9022 571F9022

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

571F9023 571F9023

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

571F9024 571F9024

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

571F9025 571F9025

Explanation: Disk unit is not supported at its physical location.

Response:

Failing Item:

- IOPIP21
-

571F9026 571F9026

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

571F9027 571F9027

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP34
-

571F9028 571F9028

Explanation: Incorrect hardware configuration change detected

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

571F9029 571F9029

Explanation: Incorrect hardware configuration change detected

Response: Contact your next level of support.

Failing Item:

- SVCDOCS
-

571F902F 571F902F

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

571F9030 571F9030

Explanation: Array no longer protected due to missing or failed disk unit

Response:

Failing Item:

- FI02112
 - IOPIP21
-

571F9031 571F9031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

 571F9032 571F9032

Explanation: A disk unit in a RAID array is missing or failed

Response: The array is still protected, but the disk unit should be replaced. Replace the device first if a device is listed first in the Service Action Log. If a device is not listed first in the Service Action Log then perform the procedure.

Failing Item:

- FI02112
 - IOPIP21
-

571F9040 571F9040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

571F9041 571F9041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- PTFSRCH
-

571F9042 571F9042

Explanation: An array parity error has been detected and corrected

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

571F9050 571F9050

Explanation: Required cache data cannot be located for a disk unit.

Response:

Failing Item:

- IOPIP30
-

571F9051 571F9051

Explanation: Cache data exists for a missing or failed device

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27
-

571F9052 571F9052

Explanation: Cache data exists for device that has been modified.

Response: Contact your next level of support.

Failing Item:

- SVCDPCS
-

571F9053 571F9053

Explanation: IOA resources not available due to previous problems

Response: Take action on other reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item:

- SVCDPCS
-

571F9054 571F9054

Explanation: IOA resources not available due to previous problems

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item:

- SVCDPCS
-

571F9071 571F9071

Explanation: Link from IOA to auxiliary cache IOA went operational

Response: No service action required.

571F9072 571F9072

Explanation: Link from IOA to auxiliary cache IOA went non-operational

Response: No service action required.

571F9073 **571F9073**

Explanation: Incompatible or non-operational auxiliary cache IOA attached

Response:

Failing Item:

- IOPIP40
-

571F9081 **571F9081**

Explanation: Device error

Failing Item:

- FI01105
 - STORIOA
-

571F9082 **571F9082**

Explanation: Device error

Response:

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

571F9090 **571F9090**

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

571F9091 **571F9091**

Explanation: Incorrect hardware configuration change detected

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

571F9092 **571F9092**

Explanation: Disk unit requires initialization before use.

Response:

Failing Item:

- IOPIP26
-

571F9500 **571F9500**

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH
-

571F9902 **571F9902**

Explanation: System log entry only. No service action required.

571F9903 **571F9903**

Explanation: Tape device information was logged. Informational event, no service required.

571FC000 **571FC000**

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

571FC100 **571FC100**

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

571FC402 **571FC402**

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH
-

571FFF3D **571FFF3D**

Explanation: I/O adapter detected a recoverable error

Failing Item:

- STORIOA
 - ANYBRDG
-

571FFF6D

571FFF6D 571FFF6D

Explanation: Recoverable system bus error

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

(572A) Reference codes

572A1310 572A1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

572A3000 572A3000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

572A3020 572A3020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP3150

572A3100 572A3100

Explanation: Device bus interface error occurred

Failing Item:

- SIP3150

572A3140 572A3140

Explanation: System log entry only. No service action required.

572A3202 572A3202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

572A3400 572A3400

Explanation: Unknown resource error

Failing Item:

- SIP3150
- FI02112
- STORIOA
- SASCABL

572A3401 572A3401

572A3405 • 572A4070

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

572A3405 572A3405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

572A34FF 572A34FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

572A3601 572A3601

Explanation: System log entry only. No service action required.

572A4010 572A4010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

572A4020 572A4020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

572A4030 572A4030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP3144

572A4040 572A4040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP3144

572A4041 572A4041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

572A4050 572A4050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

572A4060 572A4060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

572A4061 572A4061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

572A4070 572A4070

Explanation: System log entry only. No service action required.

572A4100 **572A4100**
Explanation: Device bus fabric error**Failing Item:**

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- FI01105

572A4101 **572A4101**
Explanation: Temporary device bus fabric error**Failing Item:**

- SIP3152

572A4110 **572A4110**
Explanation: Unsupported enclosure function detected**Failing Item:**

- SIP3145

572A4150 **572A4150**
Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

572A4160 **572A4160**
Explanation: I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

572A70DD 572A70DD

Explanation: Disrupt device command completed successfully.

572A8008 572A8008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the

FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

572A8009 572A8009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT
-

572A8100 **572A8100**

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

572A8130 **572A8130**

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

572A8140 **572A8140**

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

572A8141 **572A8141**

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

572A8145 **572A8145**

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

572A8146 **572A8146**

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

572A8150 **572A8150**

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

572A8151

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

572A8151 572A8151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
 - STORIOA
-

572A8155 572A8155

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

572A8156 572A8156

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

572A8157 572A8157

Explanation: I/O adapter card error**Response:** The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

572A8300 572A8300

Explanation: IOA hardware error or PCI bus error**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

572A8301 572A8301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

572A8302 572A8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

572A8400 • 572A9011

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

572A8400 572A8400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

572A8404 572A8404

Explanation: System log entry only. No service action required.

572A9000 572A9000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

572A9001 572A9001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

572A9002 572A9002

Explanation: Device error

Failing Item:

- NEXTLVL

572A9008 572A9008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130

572A9010 572A9010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120

572A9011 572A9011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL

572A9020 **572A9020**

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

572A9021 **572A9021**

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

572A9022 **572A9022**

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

572A9023 **572A9023**

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112
-

572A9024 **572A9024**

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL
-

572A9025 **572A9025**

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
 - FI02112
-

572A9026 **572A9026**

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL
-

572A9027 **572A9027**

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113
-

572A9028 **572A9028**

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

572A9029 **572A9029**

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

572A9030 **572A9030**

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
 - FI02112
-

572A9031 **572A9031**

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

572A9032 **572A9032**

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
 - FI02112
-

572A9040 • 572A9076

572A9040 572A9040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

572A9041 572A9041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

572A9042 572A9042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

572A9050 572A9050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131
-

572A9051 572A9051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132
-

572A9052 572A9052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

572A9054 572A9054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121
-

572A9055 572A9055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

572A9070 572A9070

Explanation: System log entry only. No service action required.

572A9071 572A9071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

572A9072 572A9072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

572A9073 572A9073

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP3140
-

572A9074 572A9074

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP3141
-

572A9075 572A9075

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP3149
-

572A9076 572A9076

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP3147
-

572A9081 572A9081

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

572A9082 572A9082

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

572A9083 • 572AFF3D

572A9083 572A9083

Explanation: System log entry only. No service action required.

572A9084 572A9084

Explanation: System log entry only. No service action required.

572A9090 572A9090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

572A9091 572A9091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

572A9092 572A9092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

572A9500 572A9500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

572A9903 572A9903

Explanation: Tape device information was logged. Informational event, no service required.

572AC000 572AC000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

572AC402 572AC402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

572AFF3D 572AFF3D

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the

embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

(572B) Reference codes

572B1310 572B1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

572B3000 572B3000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

572B3020 572B3020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP3150

572B3100 572B3100

Explanation: Device bus interface error occurred

Failing Item:

- SIP3150

572B3140 572B3140

Explanation: System log entry only. No service action required.

572B3202 572B3202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

572B3400 572B3400

Explanation: Unknown resource error

Failing Item:

- SIP3150
- FI02112
- STORIOA
- SASCABL

572B3401 572B3401

572B3405 • 572B4070

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

572B3405 572B3405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

572B34FF 572B34FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

572B3601 572B3601

Explanation: System log entry only. No service action required.

572B4010 572B4010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

572B4020 572B4020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

572B4030 572B4030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP3144

572B4040 572B4040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP3144

572B4041 572B4041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

572B4050 572B4050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

572B4060 572B4060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

572B4061 572B4061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

572B4070 572B4070

Explanation: System log entry only. No service action required.

572B4100 **572B4100****Explanation:** Device bus fabric error**Failing Item:**

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- FI01105

572B4101 **572B4101****Explanation:** Temporary device bus fabric error**Failing Item:**

- SIP3152

572B4110 **572B4110****Explanation:** Unsupported enclosure function detected**Failing Item:**

- SIP3145

572B4150 **572B4150****Explanation:** I/O adapter detected PCI bus error**Response:** If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

572B4160 **572B4160****Explanation:** I/O adapter detected and recovered a PCI bus error.**Response:** If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

572B70DD 572B70DD

Explanation: Disrupt device command completed successfully.

572B8008 572B8008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the

FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

572B8009 572B8009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT
-

572B8100 **572B8100**

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

572B8130 **572B8130**

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

572B8140 **572B8140**

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

572B8141 **572B8141**

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

572B8145 **572B8145**

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

572B8146 **572B8146**

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

572B8150 **572B8150**

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

572B8151

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

572B8151 572B8151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
 - STORIOA
-

572B8155 572B8155

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

572B8156 572B8156

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

 572B8157 572B8157

Explanation: I/O adapter card error

Response: The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

 572B8300 572B8300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

572B8301 572B8301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

572B8302 572B8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

572B8400 • 572B9011

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

572B8400 572B8400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

572B8404 572B8404

Explanation: System log entry only. No service action required.

572B9000 572B9000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

572B9001 572B9001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

572B9002 572B9002

Explanation: Device error

Failing Item:

- NEXTLVL

572B9008 572B9008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130

572B9010 572B9010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120

572B9011 572B9011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL

572B9020 572B9020

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

572B9021 572B9021

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

572B9022 572B9022

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

572B9023 572B9023

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112
-

572B9024 572B9024

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL
-

572B9025 572B9025

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
 - FI02112
-

572B9026 572B9026

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL
-

572B9027 572B9027

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113
-

572B9028 572B9028

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

572B9029 572B9029

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

572B9030 572B9030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
 - FI02112
-

572B9031 572B9031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

572B9032 572B9032

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
 - FI02112
-

572B9040 • 572B9076

572B9040 572B9040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

572B9041 572B9041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

572B9042 572B9042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

572B9050 572B9050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131
-

572B9051 572B9051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132
-

572B9052 572B9052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

572B9054 572B9054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121
-

572B9055 572B9055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

572B9070 572B9070

Explanation: System log entry only. No service action required.

572B9071 572B9071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

572B9072 572B9072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

572B9073 572B9073

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP3140
-

572B9074 572B9074

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP3141
-

572B9075 572B9075

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP3149
-

572B9076 572B9076

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP3147
-

572B9081 572B9081

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

572B9082 572B9082

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

572B9083 • 572BFF3D

572B9083 572B9083

Explanation: System log entry only. No service action required.

572B9084 572B9084

Explanation: System log entry only. No service action required.

572B9090 572B9090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

572B9091 572B9091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

572B9092 572B9092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

572B9500 572B9500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

572B9903 572B9903

Explanation: Tape device information was logged. Informational event, no service required.

572BC000 572BC000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

572BC402 572BC402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

572BFF3D 572BFF3D

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the

embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

(572C) Reference codes

572C1310 572C1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

572C3000 572C3000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

572C3020 572C3020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP3150

572C3100 572C3100

Explanation: Device bus interface error occurred

Failing Item:

- SIP3150

572C3140 572C3140

Explanation: System log entry only. No service action required.

572C3202 572C3202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

572C3400 572C3400

Explanation: Unknown resource error

Failing Item:

- SIP3150
- FI02112
- STORIOA
- SASCABL

572C3401 572C3401

572C3405 • 572C4070

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

572C3405 572C3405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

572C34FF 572C34FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

572C3601 572C3601

Explanation: System log entry only. No service action required.

572C4010 572C4010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

572C4020 572C4020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

572C4030 572C4030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP3144

572C4040 572C4040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP3144

572C4041 572C4041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

572C4050 572C4050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

572C4060 572C4060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

572C4061 572C4061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

572C4070 572C4070

Explanation: System log entry only. No service action required.

572C4100 **572C4100****Explanation:** Device bus fabric error**Failing Item:**

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- FI01105

572C4101 **572C4101****Explanation:** Temporary device bus fabric error**Failing Item:**

- SIP3152

572C4110 **572C4110****Explanation:** Unsupported enclosure function detected**Failing Item:**

- SIP3145

572C4150 **572C4150****Explanation:** I/O adapter detected PCI bus error**Response:** If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

572C4160 **572C4160****Explanation:** I/O adapter detected and recovered a PCI bus error.**Response:** If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

572C70DD 572C70DD

Explanation: Disrupt device command completed successfully.

572C8008 572C8008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the

FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

572C8009 572C8009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT
-

572C8100 **572C8100**

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

572C8130 **572C8130**

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

572C8140 **572C8140**

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

572C8141 **572C8141**

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

572C8145 **572C8145**

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

572C8146 **572C8146**

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

572C8150 **572C8150**

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

572C8151

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

572C8151 572C8151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
 - STORIOA
-

572C8155 572C8155

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

572C8156 572C8156

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

 572C8157 572C8157

Explanation: I/O adapter card error

Response: The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

 572C8300 572C8300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

572C8301 572C8301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

572C8302 572C8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

572C8400 • 572C9011

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

572C8400 572C8400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

572C8404 572C8404

Explanation: System log entry only. No service action required.

572C9000 572C9000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

572C9001 572C9001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

572C9002 572C9002

Explanation: Device error

Failing Item:

- NEXTLVL

572C9008 572C9008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130

572C9010 572C9010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120

572C9011 572C9011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL

572C9020 572C9020

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

572C9021 572C9021

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

572C9022 572C9022

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

572C9023 572C9023

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112
-

572C9024 572C9024

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL
-

572C9025 572C9025

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
 - FI02112
-

572C9026 572C9026

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL
-

572C9027 572C9027

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113
-

572C9028 572C9028

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

572C9029 572C9029

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

572C9030 572C9030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
 - FI02112
-

572C9031 572C9031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

572C9032 572C9032

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
 - FI02112
-

572C9040 • 572C9076

572C9040 572C9040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

572C9041 572C9041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

572C9042 572C9042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

572C9050 572C9050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131
-

572C9051 572C9051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132
-

572C9052 572C9052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

572C9054 572C9054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121
-

572C9055 572C9055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

572C9070 572C9070

Explanation: System log entry only. No service action required.

572C9071 572C9071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

572C9072 572C9072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

572C9073 572C9073

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP3140
-

572C9074 572C9074

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP3141
-

572C9075 572C9075

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP3149
-

572C9076 572C9076

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP3147
-

572C9081 572C9081

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

572C9082 572C9082

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

572C9083 • 572CFF3D

572C9083 572C9083

Explanation: System log entry only. No service action required.

572C9084 572C9084

Explanation: System log entry only. No service action required.

572C9090 572C9090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

572C9091 572C9091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

572C9092 572C9092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

572C9500 572C9500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

572C9903 572C9903

Explanation: Tape device information was logged. Informational event, no service required.

572CC000 572CC000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

572CC402 572CC402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

572CFF3D 572CFF3D

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the

embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

(572F) Reference codes

572F1310 572F1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

572F3000 572F3000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

572F3020 572F3020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP3150

572F3100 572F3100

Explanation: Device bus interface error occurred

Failing Item:

- SIP3150

572F3140 572F3140

Explanation: System log entry only. No service action required.

572F3202 572F3202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

572F3400 572F3400

Explanation: Unknown resource error

Failing Item:

- SIP3150
- FI02112
- STORIOA
- SASCABL

572F3401 572F3401

572F3405 • 572F4070

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

572F3405 572F3405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

572F34FF 572F34FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

572F3601 572F3601

Explanation: System log entry only. No service action required.

572F4010 572F4010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

572F4020 572F4020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

572F4030 572F4030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP3144

572F4040 572F4040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP3144

572F4041 572F4041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

572F4050 572F4050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

572F4060 572F4060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

572F4061 572F4061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

572F4070 572F4070

Explanation: System log entry only. No service action required.

572F4100 **572F4100**
Explanation: Device bus fabric error**Failing Item:**

- SIP3152
 - SASCABL
 - SASEXP
 - DEVBPLN
 - STORIOA
 - FI01105
-

572F4101 **572F4101****Explanation:** Temporary device bus fabric error**Failing Item:**

- SIP3152
-

572F4110 **572F4110****Explanation:** Unsupported enclosure function detected**Failing Item:**

- SIP3145
-

572F4150 **572F4150****Explanation:** I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
 - STORIOA
-

572F4160 **572F4160****Explanation:** I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

572F70DD 572F70DD

Explanation: Disrupt device command completed successfully.

572F8008 572F8008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the

FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

572F8009 572F8009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT
-

572F8100 **572F8100**

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

572F8130 **572F8130**

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

572F8140 **572F8140**

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

572F8141 **572F8141**

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

572F8145 **572F8145**

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

572F8146 **572F8146**

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

572F8150 **572F8150**

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

572F8151

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

572F8151 572F8151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
 - STORIOA
-

572F8155 572F8155

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

572F8156 572F8156

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

 572F8157 572F8157

Explanation: I/O adapter card error

Response: The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

 572F8300 572F8300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

572F8301 572F8301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

572F8302 572F8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

572F8400 • 572F9011

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

572F8400 572F8400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

572F8404 572F8404

Explanation: System log entry only. No service action required.

572F9000 572F9000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

572F9001 572F9001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

572F9002 572F9002

Explanation: Device error

Failing Item:

- NEXTLVL

572F9008 572F9008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130

572F9010 572F9010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120

572F9011 572F9011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL

572F9020 572F9020

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

572F9021 572F9021

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

572F9022 572F9022

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

572F9023 572F9023

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112
-

572F9024 572F9024

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL
-

572F9025 572F9025

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
 - FI02112
-

572F9026 572F9026

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL

572F9027 572F9027

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113
-

572F9028 572F9028

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

572F9029 572F9029

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

572F9030 572F9030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
 - FI02112
-

572F9031 572F9031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

572F9032 572F9032

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
- FI02112

572F9040 • 572F9076

572F9040 572F9040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

572F9041 572F9041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

572F9042 572F9042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

572F9050 572F9050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131
-

572F9051 572F9051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132
-

572F9052 572F9052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

572F9054 572F9054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121
-

572F9055 572F9055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

572F9070 572F9070

Explanation: System log entry only. No service action required.

572F9071 572F9071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

572F9072 572F9072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

572F9073 572F9073

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP3140
-

572F9074 572F9074

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP3141
-

572F9075 572F9075

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP3149
-

572F9076 572F9076

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP3147
-

572F9081 572F9081

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

572F9082 572F9082

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

572F9083 • 572FFF3D

572F9083 572F9083

Explanation: System log entry only. No service action required.

572F9084 572F9084

Explanation: System log entry only. No service action required.

572F9090 572F9090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

572F9091 572F9091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

572F9092 572F9092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

572F9500 572F9500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

572F9903 572F9903

Explanation: Tape device information was logged. Informational event, no service required.

572FC000 572FC000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

572FC402 572FC402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

572FFF3D 572FFF3D

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the

embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

(573A) Reference codes

573AA001 573AA001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDG301
-

573AB9B0 573AB9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- AJDG301

(573B) Reference codes

573BA6D9 573BA6D9

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
 - FI00722
 - AJDG301
-

573BA6E3 573BA6E3

Explanation: Ethernet adapter or network device cabling error.

Failing Item:

- FI00722
 - UJE40
 - IOA
-

573BB100 573BB100

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
 - AJDG301
-

573BB200 573BB200

Explanation: I/O adapter hardware error detected

Failing Item:

- AJDG301
 - IOA
-

573BB300 573BB300

Explanation: An I/O adapter hardware error was detected.

Response: Work the Failing Item list from the serviceable event view if it is available, otherwise use this Failing Item list.

Problem determination: Varying off and then varying on the resource may resolve the problem. If that does not resolve the problem then have the service provider work the problem.

Failing Item:

- IOA
- AJDG301

(573C) Reference codes

573CA6D9 573CA6D9

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
 - FI00722
 - AJDG301
-

573CA6E3 573CA6E3

Explanation: Ethernet adapter or network device cabling error.

Failing Item:

- FI00722
 - UJE40
 - IOA
-

573CB100 573CB100

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
 - AJDG301
-

573CB200 573CB200

Explanation: I/O adapter hardware error detected

Failing Item:

- AJDG301
 - IOA
-

573CB300 573CB300

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- AJDG301

(573D) Reference codes

573D1310 573D1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

573D3000 573D3000

Explanation: A permanent failure occurred

Failing Item:

- FI01101
 - ANYBRDG
-

573D3006 573D3006

Explanation: System bus error

Failing Item:

- FI01101
 - ANYBRDG
 - PTFSRCH
-

573D3020 573D3020

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

573D3021 573D3021

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

573D3022 573D3022

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

573D3023 573D3023

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

573D3100 573D3100

Explanation: Interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

573D3101 573D3101

Explanation: Interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

573D3102 573D3102

Explanation: Interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
- FI01107

573D3103 • 573D3200

- STORIOA
- FI01140
- DEVBPLN

573D3103 573D3103

Explanation: Interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP3
- FI01107
- STORIOA
- FI01140
- DEVBPLN

573D3120 573D3120

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 0 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

573D3121 573D3121

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 1 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

573D3122 573D3122

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 2 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

573D3123 573D3123

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 3 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

573D3140 573D3140

Explanation: Bus is operational

Response: This reference code and the 3120 reference code that occurred before it require no service action because SCSI bus 0 is now operational.

573D3141 573D3141

Explanation: Bus is operational

Response: This reference code and the 3121 reference code that occurred before it require no service action because SCSI bus 1 is now operational.

573D3142 573D3142

Explanation: Bus is operational

Response: This reference code and the 3122 reference code that occurred before it require no service action because SCSI bus 2 is now operational.

573D3143 573D3143

Explanation: Bus is operational

Response: This reference code and the 3123 reference code that occurred before it require no service action because SCSI bus 3 is now operational.

573D3150 573D3150

Explanation: SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

573D3151 573D3151

Explanation: SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

573D3200 573D3200

Explanation: A tape/CD or disk device reported a failure

Failing Item:

- FI01105
- STORIOA
- MEDIA

573D3202 573D3202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS
-

573D3400 573D3400

Explanation: Device error

Response: NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item:

- FI02112
 - STORIOA
 - FI01106
 - FI01140
-

573D3401 573D3401

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
-

573D3405 573D3405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH
-

573D34FF 573D34FF

Explanation: A device on this adapter is being formatted. Wait for the formatting to complete.

Failing Item:

- SVCDOCS

573D3501 573D3501

Explanation: Licensed Internal Code error

Response: The device type is either unsupported or the code has not been loaded to support it.

Failing Item:

- FI01105
 - PTFSRCH
-

573D3601 573D3601

Explanation: System log entry only. No service action required.

573D4150 573D4150

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

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the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

573D4160 573D4160

Explanation: I/O adapter detected and recovered a PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

573D8008 573D8008

Explanation: A permanent cache battery pack failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- CACHBAT
- STORIOA

573D8009 573D8009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

573D8100 573D8100

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- STORIOA

573D8130 573D8130

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action

is required. This reference code is logged for information only.

573D8131 573D8131

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

573D8132 573D8132

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

573D8133 573D8133

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

573D8140 573D8140

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

573D8141 573D8141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

573D8145 573D8145

Explanation: A recoverable error occurred

Failing Item:

- STORIOA

573D8146 573D8146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

573D8150 573D8150

Explanation: A permanent failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- STORIOA
- ANYBRDG

573D8151 573D8151

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- STORIOA

573D8155 573D8155

Explanation: A permanent failure occurred

Failing Item:

- PTFSRCH
- STORIOA

573D8156 573D8156

Explanation: A permanent failure occurred

Failing Item:

- PTFSRCH
- STORIOA

573D8157 573D8157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the "VRYCFG RESET(*YES)" command to reset the IOP and Vary On attached resources.

Failing Item:

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- SVCDOCS

573D8300 573D8300

Explanation: IOA hardware error or PCI bus error

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

573D8301 573D8301

Explanation: Not valid condition in Licensed Internal Code

Failing Item:

- PTFSRCH
- STORIOA

573D8302 573D8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item:

- SVCDOCS
- STORIOA

573D8400 573D8400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

573D8404 573D8404

Explanation: System log entry only. No service action required.

573D9000 573D9000

Explanation: Device error

Failing Item:

- FI01105
- STORIOA

573D9001 573D9001

Explanation: Device configuration error

Response:

Failing Item:

- IOPIP33

573D9002 573D9002

Explanation: Device error

Response:

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- BACKPLN
- FI01106

573D9008 573D9008

Explanation: I/O card does not support functions expected by devices

Response:

Failing Item:

- IOPIP25

573D9009 573D9009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS

573D9010 573D9010

Explanation: Cache data associated with attached devices cannot be found

Response:

Failing Item:

- IOPIP31

573D9011 573D9011

Explanation: Cache data belongs to devices other than those attached

Response:

Failing Item:

- IOPIP32

573D9020 573D9020

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP20

573D9021 573D9021

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP20
-

573D9022 573D9022

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

573D9023 573D9023

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

573D9024 573D9024

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

573D9025 573D9025

Explanation: Disk unit is not supported at its physical location.

Response:

Failing Item:

- IOPIP21
-

573D9026 573D9026

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

573D9027 573D9027

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP34
-

573D9028 573D9028

Explanation: Incorrect hardware configuration change detected

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

573D9029 573D9029

Explanation: Incorrect hardware configuration change detected

Response: Contact your next level of support.

Failing Item:

- SVCDOCS
-

573D902F 573D902F

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

573D9030 573D9030

Explanation: Array no longer protected due to missing or failed disk unit

Response:

Failing Item:

- FI02112
 - IOPIP21
-

573D9031 573D9031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

573D9032 573D9032

Explanation: A disk unit in a RAID array is missing or failed

Response: The array is still protected, but the disk unit should be replaced. Replace the device first if a device is listed first in the Service Action Log. If a device is not listed first in the Service Action Log then perform the procedure.

Failing Item:

- FI02112
- IOPIP21

573D9040 573D9040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

573D9041 573D9041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- PTFSRCH

573D9042 573D9042

Explanation: An array parity error has been detected and corrected

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

573D9050 573D9050

Explanation: Required cache data cannot be located for a disk unit.

Response:

Failing Item:

- IOPIP30

573D9051 573D9051

Explanation: Cache data exists for a missing or failed device

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27

573D9052 573D9052

Explanation: Cache data exists for device that has been modified.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS

573D9053 573D9053

Explanation: IOA resources not available due to previous problems

Response: Take action on other reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item:

- SVCDOCS

573D9054 573D9054

Explanation: IOA resources not available due to previous problems

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item:

- SVCDOCS

573D9071 573D9071

Explanation: Link from IOA to auxiliary cache IOA went operational

Response: No service action required.

573D9072 573D9072

Explanation: Link from IOA to auxiliary cache IOA went non-operational

Response: No service action required.

573D9073 573D9073

Explanation: Incompatible or non-operational auxiliary cache IOA attached

Response:

Failing Item:

- IOPIP40
-

573D9081 573D9081

Explanation: Device error

Failing Item:

- FI01105
 - STORIOA
-

573D9082 573D9082

Explanation: Device error

Response:

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

573D9090 573D9090

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

573D9091 573D9091

Explanation: Incorrect hardware configuration change detected

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

573D9092 573D9092

Explanation: Disk unit requires initialization before use.

Response:

Failing Item:

- IOPIP26
-

573D9500 573D9500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH
-

573D9902 573D9902

Explanation: System log entry only. No service action required.

573D9903 573D9903

Explanation: Tape device information was logged. Informational event, no service required.

573DC000 573DC000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

573DC100 573DC100

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

573DC402 573DC402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH
-

573DFF3D 573DFF3D

Explanation: I/O adapter detected a recoverable error

Failing Item:

- STORIOA
 - ANYBRDG
-

573DFF6D

573DFF6D 573DFF6D

Explanation: Recoverable system bus error

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

(573E) Reference codes

573E1310 573E1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

573E3000 573E3000

Explanation: A permanent failure occurred

Failing Item:

- FI01101
 - ANYBRDG
-

573E3006 573E3006

Explanation: System bus error

Failing Item:

- FI01101
 - ANYBRDG
 - PTFSRCH
-

573E3020 573E3020

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

573E3021 573E3021

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

573E3022 573E3022

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

573E3023 573E3023

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

573E3100 573E3100

Explanation: Interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

573E3101 573E3101

Explanation: Interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

573E3102 573E3102

Explanation: Interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
- FI01107

573E3103 • 573E3200

- STORIOA
- FI01140
- DEVBPLN

573E3103 573E3103

Explanation: Interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP3
- FI01107
- STORIOA
- FI01140
- DEVBPLN

573E3120 573E3120

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 0 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

573E3121 573E3121

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 1 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

573E3122 573E3122

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 2 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

573E3123 573E3123

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 3 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

573E3140 573E3140

Explanation: Bus is operational

Response: This reference code and the 3120 reference code that occurred before it require no service action because SCSI bus 0 is now operational.

573E3141 573E3141

Explanation: Bus is operational

Response: This reference code and the 3121 reference code that occurred before it require no service action because SCSI bus 1 is now operational.

573E3142 573E3142

Explanation: Bus is operational

Response: This reference code and the 3122 reference code that occurred before it require no service action because SCSI bus 2 is now operational.

573E3143 573E3143

Explanation: Bus is operational

Response: This reference code and the 3123 reference code that occurred before it require no service action because SCSI bus 3 is now operational.

573E3150 573E3150

Explanation: SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

573E3151 573E3151

Explanation: SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

573E3200 573E3200

Explanation: A tape/CD or disk device reported a failure

Failing Item:

- FI01105
- STORIOA
- MEDIA

 573E3202 573E3202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS
-

573E3400 573E3400

Explanation: Device error

Response: NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item:

- FI02112
 - STORIOA
 - FI01106
 - FI01140
-

573E3401 573E3401

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
-

573E3405 573E3405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH
-

573E34FF 573E34FF

Explanation: A device on this adapter is being formatted. Wait for the formatting to complete.

Failing Item:

- SVCDOCS

 573E3501 573E3501

Explanation: Licensed Internal Code error

Response: The device type is either unsupported or the code has not been loaded to support it.

Failing Item:

- FI01105
 - PTFSRCH
-

573E3601 573E3601

Explanation: System log entry only. No service action required.

573E4150 573E4150

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

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the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

573E4160 573E4160

Explanation: I/O adapter detected and recovered a PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

573E8008 573E8008

Explanation: A permanent cache battery pack failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- CACHBAT
- STORIOA

573E8009 573E8009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

573E8100 573E8100

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- STORIOA

573E8130 573E8130

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action

is required. This reference code is logged for information only.

573E8131 573E8131

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

573E8132 573E8132

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

573E8133 573E8133

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

573E8140 573E8140

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

573E8141 573E8141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

573E8145 573E8145

Explanation: A recoverable error occurred

Failing Item:

- STORIOA

573E8146 573E8146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

573E8150 573E8150

Explanation: A permanent failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- STORIOA
- ANYBRDG

573E8151 573E8151

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- STORIOA

573E8155 573E8155

Explanation: A permanent failure occurred

Failing Item:

- PTFSRCH
- STORIOA

573E8156 573E8156

Explanation: A permanent failure occurred

Failing Item:

- PTFSRCH
- STORIOA

573E8157 573E8157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the "VRYCFG RESET(*YES)" command to reset the IOP and Vary On attached resources.

Failing Item:

573E8300 • 573E9020

- SVCDOCS

573E8300 573E8300

Explanation: IOA hardware error or PCI bus error

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

573E8301 573E8301

Explanation: Not valid condition in Licensed Internal Code

Failing Item:

- PTFSRCH
- STORIOA

573E8302 573E8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item:

- SVCDOCS
- STORIOA

573E8400 573E8400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

573E8404 573E8404

Explanation: System log entry only. No service action required.

573E9000 573E9000

Explanation: Device error

Failing Item:

- FI01105
- STORIOA

573E9001 573E9001

Explanation: Device configuration error

Response:

Failing Item:

- IOPIP33

573E9002 573E9002

Explanation: Device error

Response:

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- BACKPLN
- FI01106

573E9008 573E9008

Explanation: I/O card does not support functions expected by devices

Response:

Failing Item:

- IOPIP25

573E9009 573E9009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS

573E9010 573E9010

Explanation: Cache data associated with attached devices cannot be found

Response:

Failing Item:

- IOPIP31

573E9011 573E9011

Explanation: Cache data belongs to devices other than those attached

Response:

Failing Item:

- IOPIP32

573E9020 573E9020

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP20

573E9021 573E9021

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP20
-

573E9022 573E9022

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

573E9023 573E9023

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

573E9024 573E9024

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

573E9025 573E9025

Explanation: Disk unit is not supported at its physical location.

Response:

Failing Item:

- IOPIP21
-

573E9026 573E9026

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

573E9027 573E9027

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP34
-

573E9028 573E9028

Explanation: Incorrect hardware configuration change detected

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

573E9029 573E9029

Explanation: Incorrect hardware configuration change detected

Response: Contact your next level of support.

Failing Item:

- SVCDOCS
-

573E902F 573E902F

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

573E9030 573E9030

Explanation: Array no longer protected due to missing or failed disk unit

Response:

Failing Item:

- FI02112
 - IOPIP21
-

573E9031 573E9031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

 573E9032 573E9032

Explanation: A disk unit in a RAID array is missing or failed

Response: The array is still protected, but the disk unit should be replaced. Replace the device first if a device is listed first in the Service Action Log. If a device is not listed first in the Service Action Log then perform the procedure.

Failing Item:

- FI02112
 - IOPIP21
-

573E9040 573E9040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

573E9041 573E9041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- PTFSRCH
-

573E9042 573E9042

Explanation: An array parity error has been detected and corrected

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

573E9050 573E9050

Explanation: Required cache data cannot be located for a disk unit.

Response:

Failing Item:

- IOPIP30
-

573E9051 573E9051

Explanation: Cache data exists for a missing or failed device

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27
-

573E9052 573E9052

Explanation: Cache data exists for device that has been modified.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS
-

573E9053 573E9053

Explanation: IOA resources not available due to previous problems

Response: Take action on other reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item:

- SVCDOCS
-

573E9054 573E9054

Explanation: IOA resources not available due to previous problems

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item:

- SVCDOCS
-

573E9071 573E9071

Explanation: Link from IOA to auxiliary cache IOA went operational

Response: No service action required.

573E9072 573E9072

Explanation: Link from IOA to auxiliary cache IOA went non-operational

Response: No service action required.

573E9073 573E9073

Explanation: Incompatible or non-operational auxiliary cache IOA attached

Response:

Failing Item:

- IOPIP40
-

573E9081 573E9081

Explanation: Device error

Failing Item:

- FI01105
 - STORIOA
-

573E9082 573E9082

Explanation: Device error

Response:

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

573E9090 573E9090

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

573E9091 573E9091

Explanation: Incorrect hardware configuration change detected

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

573E9092 573E9092

Explanation: Disk unit requires initialization before use.

Response:

Failing Item:

- IOPIP26
-

573E9500 573E9500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH
-

573E9902 573E9902

Explanation: System log entry only. No service action required.

573E9903 573E9903

Explanation: Tape device information was logged. Informational event, no service required.

573EC000 573EC000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

573EC100 573EC100

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

573EC402 573EC402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH
-

573EFF3D 573EFF3D

Explanation: I/O adapter detected a recoverable error

Failing Item:

- STORIOA
 - ANYBRDG
-

573EFF6D

573EFF6D 573EFF6D

Explanation: Recoverable system bus error

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

(5746) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

57463000 57463000

Explanation: I/O adapter hardware error detected

Failing Item:

- FI01112

57463202 57463202

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item:

- TAPCNFG
- FI00871

57463400 57463400

Explanation: Device error has occurred

Failing Item:

- FI00872
- DEVTERM
- FI00871
- FI01103
- FI01106

57469020 57469020

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the

following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.

Failing Item:

- TAPCNFG
- FI00871
- PTFSRCH

57469100 57469100

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

57469101 57469101

Explanation: Fibre Channel interface error detected

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FCIOA
- FCDEV
- FCCABLE

57469102 57469102

Explanation: Gateway device detected a SCSI interface error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FI00871
- FCGATE
- FI00872
- DEVTERM

57469103 57469103

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- SASCABL

57469104 57469104

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- USB_DEV
- USB_IOA
- USB_CBL

57469200 57469200

Explanation: Tape unit is not responding

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

57469201 57469201

Explanation: Tape unit command timeout

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM
- MEDIA

57469202 57469202

Explanation: Tape unit failed after Licensed Internal Code was loaded

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

57469210 57469210

Explanation: Illegal or unsupported tape unit response

Failing Item:

- FI00871
- FI01112
- PTFSRCH

57469211 57469211

Explanation: Gateway device detected a bus protocol error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE
- FCIOA
- FI00871
- ANYFC
- FCCABLE
- FI00872

- DEVTERM

57469220 57469220

Explanation: Hardware configuration change detected

Response: The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

57469300 57469300

Explanation: Tape unit failure

Failing Item:

- FI00871

57469301 57469301

Explanation: Tape device failure, redundancy lost

Response: The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item:

- FI00871

57469302 57469302

Explanation: Tape device failure or media error

Response: The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item:

- MEDIA
- FI00871

57469303 57469303

Explanation: Gateway device failure

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE

57469304 57469304

Explanation: Tape unit failure

Response: Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.

2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item:

- USER
- FI00871

57469310 57469310

Explanation: Licensed Internal Code for the tape unit is not correct

Failing Item:

- PTFSRCH
- FI00871

57469320 57469320

Explanation: Tape device Licensed Internal Code failure

Failing Item:

- FI00130
- FI00871

57469321 57469321

Explanation: Gateway device Licensed Internal Code error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCCODE

57469350 57469350

Explanation: Tape unit detected a read or write error on tape medium

Response: A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

57469351 57469351

Explanation: Tape with excessive error rate was mounted in tape device.

Response: The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

57469355 57469355

Explanation: The data format is incorrect; the tape cannot be read

Response: The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item:

- USER
- MEDIA
- TAPCLN
- FI00871

57469500 57469500

Explanation: Licensed Internal Code error

Response: If the system is operational, perform a dump of the I/O processor data.

Failing Item:

- PTFSRCH

57469501 57469501

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

57469800 57469800

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

57469801 57469801

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

57469802 57469802

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

57469803 57469803

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

57469804 57469804

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

57469805 57469805

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

57469806 57469806

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

57469810 57469810

Explanation: Problem analysis has determined a part should be replaced.

Response: This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only)

57469899 57469899

Explanation: Problem analysis completed, the problem has been corrected.

Response: This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

57469900 57469900

Explanation: Licensed Internal Code for tape unit was not upgraded

Response: The I/O processor loading of Licensed

Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform TUIPI04 to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item:

- USER
-

57469901 57469901

Explanation: Tape performance statistics logged

Response: No action required. This reference code is logged for information only.

57469902 57469902

Explanation: An IOP dump was initiated

Response: No action required.

57469903 57469903

Explanation: Tape device information logged

Response: No action required. This reference code is logged for information only.

5746FFF6 5746FFF6

Explanation: Tape volume statistics logged (no action required)

(574E) Reference codes

574E1310 574E1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

574E3000 574E3000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

574E3020 574E3020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP3150

574E3100 574E3100

Explanation: Device bus interface error occurred

Failing Item:

- SIP3150

574E3140 574E3140

Explanation: System log entry only. No service action required.

574E3202 574E3202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

574E3400 574E3400

Explanation: Unknown resource error

Failing Item:

- SIP3150
- FI02112
- STORIOA
- SASCABL

574E3401 574E3401

574E3405 • 574E4070

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

574E3405 574E3405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

574E34FF 574E34FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

574E3601 574E3601

Explanation: System log entry only. No service action required.

574E4010 574E4010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

574E4020 574E4020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

574E4030 574E4030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP3144

574E4040 574E4040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP3144

574E4041 574E4041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

574E4050 574E4050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

574E4060 574E4060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

574E4061 574E4061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

574E4070 574E4070

Explanation: System log entry only. No service action required.

574E4100 **574E4100**
Explanation: Device bus fabric error**Failing Item:**

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- FI01105

574E4101 **574E4101**
Explanation: Temporary device bus fabric error**Failing Item:**

- SIP3152

574E4110 **574E4110**
Explanation: Unsupported enclosure function detected**Failing Item:**

- SIP3145

574E4150 **574E4150**
Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

574E4160 **574E4160**
Explanation: I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

574E70DD 574E70DD

Explanation: Disrupt device command completed successfully.

574E8008 574E8008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the

FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

574E8009 574E8009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT
-

574E8100 **574E8100**

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

574E8130 **574E8130**

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

574E8140 **574E8140**

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

574E8141 **574E8141**

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

574E8145 **574E8145**

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

574E8146 **574E8146**

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

574E8150 **574E8150**

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

574E8151

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

574E8151 574E8151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
 - STORIOA
-

574E8155 574E8155

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

574E8156 574E8156

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

 574E8157 574E8157

Explanation: I/O adapter card error

Response: The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

 574E8300 574E8300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

574E8301 574E8301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

574E8302 574E8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

574E8400 • 574E9011

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

574E8400 574E8400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

574E8404 574E8404

Explanation: System log entry only. No service action required.

574E9000 574E9000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

574E9001 574E9001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

574E9002 574E9002

Explanation: Device error

Failing Item:

- NEXTLVL

574E9008 574E9008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130

574E9010 574E9010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120

574E9011 574E9011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL

574E9020 574E9020

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

574E9021 574E9021

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

574E9022 574E9022

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

574E9023 574E9023

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112
-

574E9024 574E9024

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL
-

574E9025 574E9025

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
 - FI02112
-

574E9026 574E9026

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL

574E9027 574E9027

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113
-

574E9028 574E9028

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

574E9029 574E9029

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

574E9030 574E9030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
 - FI02112
-

574E9031 574E9031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

574E9032 574E9032

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
- FI02112

574E9040 • 574E9076

574E9040 574E9040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

574E9041 574E9041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

574E9042 574E9042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

574E9050 574E9050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131
-

574E9051 574E9051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132
-

574E9052 574E9052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

574E9054 574E9054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121
-

574E9055 574E9055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

574E9070 574E9070

Explanation: System log entry only. No service action required.

574E9071 574E9071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

574E9072 574E9072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

574E9073 574E9073

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP3140
-

574E9074 574E9074

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP3141
-

574E9075 574E9075

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP3149
-

574E9076 574E9076

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP3147
-

574E9081 574E9081

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

574E9082 574E9082

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

574E9083 • 574EFF3D

574E9083 574E9083

Explanation: System log entry only. No service action required.

574E9084 574E9084

Explanation: System log entry only. No service action required.

574E9090 574E9090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

574E9091 574E9091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

574E9092 574E9092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

574E9500 574E9500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

574E9903 574E9903

Explanation: Tape device information was logged. Informational event, no service required.

574EC000 574EC000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

574EC402 574EC402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

574EFF3D 574EFF3D

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the

embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

(574F) Reference codes

574F1310 574F1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

574F3006 574F3006

Explanation: System bus error

Response:

Failing Item:

- AUXIOA
 - ANYBRDG
 - IOP
-

574F3100 574F3100

Explanation: Interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- AUXCBL
 - AUXIOA
 - PRIMIOA
-

574F3101 574F3101

Explanation: Interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- AUXCBL
 - AUXIOA
 - PRIMIOA
-

574F3400 574F3400

Explanation: SCSI resource error

Response:

Failing Item:

- AUXCBL
 - PRIMIOA
-

574F6075 574F6075

Explanation: I/O processor resource not available

Response:

Failing Item:

- PTFSRCH
-

574F8008 574F8008

Explanation: A permanent cache battery pack failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- CACHBAT
 - AUXIOA
-

574F8009 574F8009

Explanation: Impending cache battery pack failure

Response:

Failing Item:

- CACHBAT
-

574F8130 574F8130

Explanation: IOA detected recoverable SCSI bus error

Response: An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

574F8131 574F8131

Explanation: IOA detected recoverable SCSI bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

574F8140 574F8140

Explanation: IOA detected recoverable SCSI bus error

Response: No action is required. This reference code is logged for information only.

574F8141 574F8141

Explanation: IOA detected recoverable SCSI resource error

574F8145 • 574F9055

Response: No action is required. This reference code is logged for information only.

574F8145 574F8145

Explanation: A recoverable error occurred

Response:

Failing Item:

- AUXIOA

574F8150 574F8150

Explanation: A permanent failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- AUXIOA
- ANYBRDG

574F8151 574F8151

Explanation: Licensed Internal Code error

Response:

Failing Item:

- PTFSRCH
- AUXIOA

574F8155 574F8155

Explanation: A permanent failure occurred

Response:

Failing Item:

- PTFSRCH
- AUXIOA

574F8156 574F8156

Explanation: A permanent failure occurred

Response:

Failing Item:

- PTFSRCH
- AUXIOA

574F8157 574F8157

Explanation: I/O adapter card temporary error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.

2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS

574F8300 574F8300

Explanation: IOA hardware or PCI bus error

Response:

Failing Item:

- AUXIOA
- ANYBRDG
- PTFSRCH

574F8301 574F8301

Explanation: Not valid condition in Licensed Internal Code

Response:

Failing Item:

- PTFSRCH
- AUXIOA

574F8302 574F8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item:

- SVCDOCS
- AUXIOA

574F9055 574F9055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

574F9071 574F9071

Explanation: Link from IOA to auxiliary cache IOA went operational

Response: No service action required.

574F9072 574F9072

Explanation: Link from IOA to auxiliary cache IOA went non-operational

Response: No service action required.

574F9073 574F9073

Explanation: Disconnected, incompatible, or non-operational storage IOA

Response:

Failing Item:

- IOPIP41
-

574FFF3D 574FFF3D

Explanation: I/O adapter detected recoverable error

Response:

Failing Item:

- AUXIOA
- ANYBRDG

(5755) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

57553000 57553000

Explanation: I/O adapter hardware error detected

Failing Item:

- FI01112

57553202 57553202

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item:

- TAPCNFG
- FI00871

57553400 57553400

Explanation: Device error has occurred

Failing Item:

- FI00872
- DEVTERM
- FI00871
- FI01103
- FI01106

57559020 57559020

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the

following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.

Failing Item:

- TAPCNFG
- FI00871
- PTFSRCH

57559100 57559100

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

57559101 57559101

Explanation: Fibre Channel interface error detected

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FCIOA
- FCDEV
- FCCABLE

57559102 57559102

Explanation: Gateway device detected a SCSI interface error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FI00871
- FCGATE
- FI00872
- DEVTERM

57559103 57559103

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- SASCABL

57559104 57559104

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- USB_DEV
- USB_IOA
- USB_CBL

57559200 57559200

Explanation: Tape unit is not responding

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

57559201 57559201

Explanation: Tape unit command timeout

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM
- MEDIA

57559202 57559202

Explanation: Tape unit failed after Licensed Internal Code was loaded

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

57559210 57559210

Explanation: Illegal or unsupported tape unit response

Failing Item:

- FI00871
- FI01112
- PTFSRCH

57559211 57559211

Explanation: Gateway device detected a bus protocol error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE
- FCIOA
- FI00871
- ANYFC
- FCCABLE
- FI00872

- DEVTERM

57559220 57559220

Explanation: Hardware configuration change detected

Response: The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

57559300 57559300

Explanation: Tape unit failure

Failing Item:

- FI00871

57559301 57559301

Explanation: Tape device failure, redundancy lost

Response: The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item:

- FI00871

57559302 57559302

Explanation: Tape device failure or media error

Response: The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item:

- MEDIA
- FI00871

57559303 57559303

Explanation: Gateway device failure

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE

57559304 57559304

Explanation: Tape unit failure

Response: Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.

2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item:

- USER
- FI00871

57559310 57559310

Explanation: Licensed Internal Code for the tape unit is not correct

Failing Item:

- PTFSRCH
- FI00871

57559320 57559320

Explanation: Tape device Licensed Internal Code failure

Failing Item:

- FI00130
- FI00871

57559321 57559321

Explanation: Gateway device Licensed Internal Code error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCCODE

57559350 57559350

Explanation: Tape unit detected a read or write error on tape medium

Response: A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

57559351 57559351

Explanation: Tape with excessive error rate was mounted in tape device.

Response: The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

57559355 57559355

Explanation: The data format is incorrect; the tape cannot be read

Response: The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item:

- USER
- MEDIA
- TAPCLN
- FI00871

57559500 57559500

Explanation: Licensed Internal Code error

Response: If the system is operational, perform a dump of the I/O processor data.

Failing Item:

- PTFSRCH

57559501 57559501

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

57559800 57559800

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

57559801 57559801

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

57559802 57559802

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

57559803 57559803

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

57559804 57559804

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

57559805 57559805

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

57559806 57559806

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

57559810 57559810

Explanation: Problem analysis has determined a part should be replaced.

Response: This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only)

57559899 57559899

Explanation: Problem analysis completed, the problem has been corrected.

Response: This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

57559900 57559900

Explanation: Licensed Internal Code for tape unit was not upgraded

Response: The I/O processor loading of Licensed

Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform TUIPI04 to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item:

- USER
-

57559901 57559901

Explanation: Tape performance statistics logged

Response: No action required. This reference code is logged for information only.

57559902 57559902

Explanation: An IOP dump was initiated

Response: No action required.

57559903 57559903

Explanation: Tape device information logged

Response: No action required. This reference code is logged for information only.

5755FFF6 5755FFF6

Explanation: Tape volume statistics logged (no action required)

(575B) Reference codes

575B1310 575B1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

575B3006 575B3006

Explanation: System bus error

Response:

Failing Item:

- AUXIOA
 - ANYBRDG
 - IOP
-

575B3100 575B3100

Explanation: Interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- AUXCBL
 - AUXIOA
 - PRIMIOA
-

575B3101 575B3101

Explanation: Interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- AUXCBL
 - AUXIOA
 - PRIMIOA
-

575B3400 575B3400

Explanation: SCSI resource error

Response:

Failing Item:

- AUXCBL
 - PRIMIOA
-

575B6075 575B6075

Explanation: I/O processor resource not available

Response:

Failing Item:

- PTFSRCH
-

575B8008 575B8008

Explanation: A permanent cache battery pack failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- CACHBAT
 - AUXIOA
-

575B8009 575B8009

Explanation: Impending cache battery pack failure

Response:

Failing Item:

- CACHBAT
-

575B8130 575B8130

Explanation: IOA detected recoverable SCSI bus error

Response: An error occurred on SCSI bus 0. No action is required. This reference code is logged for information only.

575B8131 575B8131

Explanation: IOA detected recoverable SCSI bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

575B8140 575B8140

Explanation: IOA detected recoverable SCSI bus error

Response: No action is required. This reference code is logged for information only.

575B8141 575B8141

Explanation: IOA detected recoverable SCSI resource error

575B8145 • 575B9055

Response: No action is required. This reference code is logged for information only.

575B8145 575B8145

Explanation: A recoverable error occurred

Response:

Failing Item:

- AUXIOA

575B8150 575B8150

Explanation: A permanent failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- AUXIOA
- ANYBRDG

575B8151 575B8151

Explanation: Licensed Internal Code error

Response:

Failing Item:

- PTFSRCH
- AUXIOA

575B8155 575B8155

Explanation: A permanent failure occurred

Response:

Failing Item:

- PTFSRCH
- AUXIOA

575B8156 575B8156

Explanation: A permanent failure occurred

Response:

Failing Item:

- PTFSRCH
- AUXIOA

575B8157 575B8157

Explanation: I/O adapter card temporary error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O Processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.

2. If disk units are not attached, perform the VRYCFG RESET(*YES) command to reset the IOP and Vary On attached resources.

Failing Item:

- SVCDOCS

575B8300 575B8300

Explanation: IOA hardware or PCI bus error

Response:

Failing Item:

- AUXIOA
- ANYBRDG
- PTFSRCH

575B8301 575B8301

Explanation: Not valid condition in Licensed Internal Code

Response:

Failing Item:

- PTFSRCH
- AUXIOA

575B8302 575B8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item:

- SVCDOCS
- AUXIOA

575B9055 575B9055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

575B9071 575B9071

Explanation: Link from IOA to auxiliary cache IOA went operational

Response: No service action required.

575B9072 575B9072

Explanation: Link from IOA to auxiliary cache IOA went non-operational

Response: No service action required.

575B9073 575B9073

Explanation: Disconnected, incompatible, or non-operational storage IOA

Response:

Failing Item:

- IOPIP41

575BFF3D 575BFF3D

Explanation: I/O adapter detected recoverable error

Response:

Failing Item:

- AUXIOA
- ANYBRDG

(575C) Reference codes

575C1310 575C1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

575C3100 575C3100

Explanation: Device bus interface error occurred

Failing Item:

- AUXIOA
 - PRIMIOA
 - BACKPLN
-

575C3400 575C3400

Explanation: Unknown resource error

Failing Item:

- PRIMIOA
 - AUXIOA
 - BACKPLN
-

575C4100 575C4100

Explanation: Device bus fabric error

Failing Item:

- SIP3152
 - SASCABL
 - SASEXP
 - DEVBPLN
 - STORIOA
 - FI01105
-

575C4101 575C4101

Explanation: Temporary device bus fabric error

Failing Item:

- SIP3152
-

575C4150 575C4150

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- BACKPLN
 - AUXIOA
-

575C4160 575C4160

Explanation: I/O adapter detected and recovered a PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- BACKPLN
 - AUXIOA
-

575C8008 575C8008

Explanation: A permanent cache battery pack failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- CACHBAT
 - AUXIOA
-

575C8009 575C8009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT
-

575C8100 575C8100

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
 - AUXIOA
-

575C8130 575C8130

Explanation: I/O adapter detected recoverable bus error

575C8140 • 575C9055

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- PRIMIOA
- AUXIOA
- BACKPLN

575C8140 575C8140

Explanation: I/O adapter detected recoverable bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- PRIMIOA
- AUXIOA
- BACKPLN

575C8150 575C8150

Explanation: A permanent failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- AUXIOA
- ANYBRDG

575C8151 575C8151

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- AUXIOA

575C8155 575C8155

Explanation: A permanent failure occurred

Failing Item:

- PTFSRCH
- AUXIOA

575C8156 575C8156

Explanation: A permanent failure occurred

Failing Item:

- PTFSRCH
- AUXIOA

575C8157 575C8157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter.

Failing Item:

- SVCDOCS

575C8300 575C8300

Explanation: IOA hardware or PCI bus error

Failing Item:

- AUXIOA
- ANYBRDG
- PTFSRCH

575C8301 575C8301

Explanation: Not valid condition in Licensed Internal Code

Failing Item:

- PTFSRCH
- AUXIOA

575C8302 575C8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item:

- SVCDOCS
- AUXIOA

575C9055 575C9055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

575C9071 575C9071

Explanation: Link from IOA to auxiliary cache IOA went operational

Response: No service action required.

575C9072 575C9072

Explanation: Link from IOA to auxiliary cache IOA went non-operational

Response: No service action required.

575C9073 575C9073

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP3140
-

575C9076 575C9076

Explanation: Missing remote I/O adapter

Failing Item:

- SIP3147
 - PRIMIOA
 - AUXIOA
 - BACKPLN
-

575CFF3D 575CFF3D

Explanation: I/O adapter detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- AUXIOA
- ANYBRDG

(5767) Reference codes

5767A001 5767A001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDGP01
-

5767B9B0 5767B9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- AJDGP01

(5768) Reference codes

5768A001 5768A001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDGP01
-

5768B9B0 5768B9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- AJDGP01

(576A) Reference codes

576AA001 576AA001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDG301

576AB9B0 576AB9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- AJDG301

(576B) Reference codes

576B3020 576B3020

Explanation: Configuration error on port 0

Response: Too many devices have been configured on port 0. Change the configuration.

Failing Item:

- SVCDOCS
-

576B3021 576B3021

Explanation: Configuration error on port 1

Response: Too many devices have been configured on port 1. Change the configuration.

Failing Item:

- SVCDOCS
-

576B3100 576B3100

Explanation: Interface error on port 0

Failing Item:

- FCINTF
 - ANYFC
 - FCIOA
 - OPT_CLN
-

576B3101 576B3101

Explanation: Interface error on port 1

Failing Item:

- FCINTF
 - ANYFC
 - FCIOA
 - OPT_CLN
-

576B3120 576B3120

Explanation: A port failure was detected on port 0

Failing Item:

- FCPORT
 - FCIOA
 - FCDEV
 - OPT_CLN
-

576B3121 576B3121

Explanation: A port failure was detected on port 1

Failing Item:

- FCPORT
 - FCIOA
 - FCDEV
 - OPT_CLN
-

576B3140 576B3140

Explanation: Port 0 is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

576B3141 576B3141

Explanation: Port 1 is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since the port is now operational.

576B3400 576B3400

Explanation: Device error

Failing Item:

- FCDEV
 - FCINTF
 - ANYFC
 - FCIOA
 - OPT_CLN
-

576B3405 576B3405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

576B34FF • 576BB402

- PTFSRCH

576B34FF 576B34FF

Explanation: Format in progress

Response: The device indicated that a format is in progress. When the format is complete, the device should be usable. No action is required. This reference code is logged for information only.

576B4150 576B4150

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- BACKPLN
- FCIOA

576B8100 576B8100

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- FCIOA

576B8130 576B8130

Explanation: Recovered Fibre Channel interface error on port 0

Response: No action required. This reference code is logged for information only.

576B8131 576B8131

Explanation: Recovered Fibre Channel interface error on port 1

Response: No action required. This reference code is logged for information only.

576B8150 576B8150

Explanation: A permanent I/O adapter failure occurred

Failing Item:

- FCIOA
- ANYBRDG
- OPT_CLN

576B8300 576B8300

Explanation: IOA hardware error or PCI bus error

Failing Item:

- FCIOA
- ANYBRDG
- PTFSRCH
- OPT_CLN

576B8301 576B8301

Explanation: Not valid condition in Licensed Internal Code

Failing Item:

- PTFSRCH
- FCIOA
- OPT_CLN

576B8302 576B8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item:

- SVCDOCS
- FCIOA
- OPT_CLN

576B9500 576B9500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

576B9903 576B9903

Explanation: Tape device information was logged. Informational event, no service required.

576BB000 576BB000

Explanation: System log entry only, no service action required

Response: No action is required. This reference code is logged for information only.

576BB402 576BB402

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

576BC000 576BC000

Explanation: System log entry only, no service action required

Response: No action is required. This reference code is logged for information only.

576BC402 576BC402

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

(576C) Reference codes

576CA001 576CA001

Explanation: Communications I/O adapter software error or failure configuring hardware.

Failing Item:

- NEXTLVL
-

576CB940 576CB940

Explanation: I/O adapter hardware error detected

Failing Item:

- FI00719
 - AJDGP01
 - MA_BRDG
-

576CB941 576CB941

Explanation: One of the ports on the IOA has failed.

Failing Item:

- FI00719
- AJDGP01

(576D) Reference codes

576DA001 576DA001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDG301
-

576DB9B0 576DB9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- AJDG301

(576E) Reference codes

576EA001 576EA001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDG301

576EB9B0 576EB9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- IOA
- AJDG301

(576F) Reference codes

576FA001 576FA001

Explanation: I/O adapter Licensed Internal Code error detected

Failing Item:

- AJDGP01
-

576FB9A0 576FB9A0

Explanation: I/O adapter hardware error detected

Failing Item:

- FI00719
 - FI00718
 - AJDGP01
 - MA_BRDG
-

576FB9B0 576FB9B0

Explanation: I/O adapter hardware error detected

Failing Item:

- FI00719
- AJDG301
- MA_BRDG

(5774) Reference codes

57743020 57743020

Explanation: Configuration error on port 0

Response: Too many devices have been configured on port 0. Change the configuration.

Failing Item:

- SVCDOCS
-

57743021 57743021

Explanation: Configuration error on port 1

Response: Too many devices have been configured on port 1. Change the configuration.

Failing Item:

- SVCDOCS
-

57743100 57743100

Explanation: Interface error on port 0

Failing Item:

- FCINTF
 - ANYFC
 - FCIOA
 - OPT_CLN
-

57743101 57743101

Explanation: Interface error on port 1

Failing Item:

- FCINTF
 - ANYFC
 - FCIOA
 - OPT_CLN
-

57743120 57743120

Explanation: A port failure was detected on port 0

Failing Item:

- FCPORT
 - FCIOA
 - FCDEV
 - OPT_CLN
-

57743121 57743121

Explanation: A port failure was detected on port 1

Failing Item:

- FCPORT
 - FCIOA
 - FCDEV
 - OPT_CLN
-

57743140 57743140

Explanation: Port 0 is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

57743141 57743141

Explanation: Port 1 is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since the port is now operational.

57743400 57743400

Explanation: Device error

Failing Item:

- FCDEV
 - FCINTF
 - ANYFC
 - FCIOA
 - OPT_CLN
-

57743405 57743405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

577434FF • 5774B402

- PTFSRCH

577434FF 577434FF

Explanation: Format in progress

Response: The device indicated that a format is in progress. When the format is complete, the device should be usable. No action is required. This reference code is logged for information only.

57744150 57744150

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- BACKPLN
- FCIOA

57748100 57748100

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- FCIOA

57748130 57748130

Explanation: Recovered Fibre Channel interface error on port 0

Response: No action required. This reference code is logged for information only.

57748131 57748131

Explanation: Recovered Fibre Channel interface error on port 1

Response: No action required. This reference code is logged for information only.

57748150 57748150

Explanation: A permanent I/O adapter failure occurred

Failing Item:

- FCIOA
- ANYBRDG
- OPT_CLN

57748300 57748300

Explanation: IOA hardware error or PCI bus error

Failing Item:

- FCIOA
- ANYBRDG
- PTFSRCH
- OPT_CLN

57748301 57748301

Explanation: Not valid condition in Licensed Internal Code

Failing Item:

- PTFSRCH
- FCIOA
- OPT_CLN

57748302 57748302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item:

- SVCDOCS
- FCIOA
- OPT_CLN

57749500 57749500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

57749903 57749903

Explanation: Tape device information was logged. Informational event, no service required.

5774B000 5774B000

Explanation: System log entry only, no service action required

Response: No action is required. This reference code is logged for information only.

5774B402 5774B402

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
-

5774C000 5774C000

Explanation: System log entry only, no service action required

Response: No action is required. This reference code is logged for information only.

5774C402 5774C402

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

(577D) Reference codes

577D3020 577D3020

Explanation: Configuration error on port 0

Response: Too many devices have been configured on port 0. Change the configuration.

Failing Item:

- SVCDOCS

577D3021 577D3021

Explanation: Configuration error on port 1

Response: Too many devices have been configured on port 1. Change the configuration.

Failing Item:

- SVCDOCS

577D3100 577D3100

Explanation: Interface error on port 0

Failing Item:

- FCINTF
- ANYFC
- FCIOA
- OPT_CLN

577D3101 577D3101

Explanation: Interface error on port 1

Failing Item:

- FCINTF
- ANYFC
- FCIOA
- OPT_CLN

577D3120 577D3120

Explanation: A port failure was detected on port 0

Failing Item:

- FCPORT
- FCIOA
- FCDEV
- OPT_CLN

577D3121 577D3121

Explanation: A port failure was detected on port 1

Failing Item:

- FCPORT
- FCIOA
- FCDEV
- OPT_CLN

577D3140 577D3140

Explanation: Port 0 is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

577D3141 577D3141

Explanation: Port 1 is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since the port is now operational.

577D3400 577D3400

Explanation: Device error

Failing Item:

- FCDEV
- FCINTF
- ANYFC
- FCIOA
- OPT_CLN

577D3405 577D3405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

577D34FF • 577DB402

- PTFSRCH

577D34FF 577D34FF

Explanation: Format in progress

Response: The device indicated that a format is in progress. When the format is complete, the device should be usable. No action is required. This reference code is logged for information only.

577D4150 577D4150

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- BACKPLN
- FCIOA

577D8100 577D8100

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- FCIOA

577D8130 577D8130

Explanation: Recovered Fibre Channel interface error on port 0

Response: No action required. This reference code is logged for information only.

577D8131 577D8131

Explanation: Recovered Fibre Channel interface error on port 1

Response: No action required. This reference code is logged for information only.

577D8150 577D8150

Explanation: A permanent I/O adapter failure occurred

Failing Item:

- FCIOA
- ANYBRDG
- OPT_CLN

577D8300 577D8300

Explanation: IOA hardware error or PCI bus error

Failing Item:

- FCIOA
- ANYBRDG
- PTFSRCH
- OPT_CLN

577D8301 577D8301

Explanation: Not valid condition in Licensed Internal Code

Failing Item:

- PTFSRCH
- FCIOA
- OPT_CLN

577D8302 577D8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item:

- SVCDOCS
- FCIOA
- OPT_CLN

577D9500 577D9500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

577D9903 577D9903

Explanation: Tape device information was logged. Informational event, no service required.

577DB000 577DB000

Explanation: System log entry only, no service action required

Response: No action is required. This reference code is logged for information only.

577DB402 577DB402

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

577DC000 577DC000

Explanation: System log entry only, no service action required

Response: No action is required. This reference code is logged for information only.

577DC402 577DC402

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

(57B1) Reference codes

57B11310 57B11310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57B13000 57B13000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57B13020 57B13020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP3150

57B13100 57B13100

Explanation: Device bus interface error occurred

Failing Item:

- SIP3150

57B13140 57B13140

Explanation: System log entry only. No service action required.

57B13202 57B13202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

57B13400 57B13400

Explanation: Unknown resource error

Failing Item:

- SIP3150
- FI02112
- STORIOA
- SASCABL

57B13401 57B13401

57B13405 • 57B14070

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

57B13405 57B13405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

57B134FF 57B134FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

57B13601 57B13601

Explanation: System log entry only. No service action required.

57B14010 57B14010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

57B14020 57B14020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

57B14030 57B14030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP3144

57B14040 57B14040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP3144

57B14041 57B14041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

57B14050 57B14050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

57B14060 57B14060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

57B14061 57B14061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

57B14070 57B14070

Explanation: System log entry only. No service action required.

57B14080 **57B14080**

Explanation: Storage controller thermal error. The controller exceeded the maximum operating temperature.

Problem determination: Verify that the storage controller is placed in a valid location for this type of controller and enclosure. Perform the procedure listed in the failing items to determine the problem and corrective action.

Failing Item:

- SIP3295
-

57B14085 **57B14085**

Explanation: Storage controller detected error. Contact your next level of support or hardware service provider for more information before replacing any hardware.

Failing Item:

- NEXTLVL
-

57B14100 **57B14100**

Explanation: Device bus fabric error

Failing Item:

- SIP3152
 - SASCABL
 - SASEXP
 - DEVBPLN
 - STORIOA
 - FI01105
-

57B14101 **57B14101**

Explanation: Temporary device bus fabric error

Failing Item:

- SIP3152
-

57B14110 **57B14110**

Explanation: Unsupported enclosure function detected

Failing Item:

- SIP3145
-

57B14120 **57B14120**

Explanation: SAS cable VPD cannot be read.

Failing Item:

- SASCABL

57B14121 **57B14121**

Explanation: SAS cable is missing.

Failing Item:

- SASCABL
-

57B14123 **57B14123**

Explanation: Configuration error, invalid cable Vital Product Data. The storage controller detected invalid VPD on the SAS cable. This is most likely caused by a non IBM cable or a wrap plug. The system will continue to run.

Problem determination: Verify that wrap plugs have been removed and the cable is an IBM part. If the problem persists contact your next level of support.

Failing Item:

- SASCABL
-

57B14150 **57B14150**

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

57B14160 • 57B18008

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57B14160 57B14160

Explanation: I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57B170DD 57B170DD

Explanation: Disrupt device command completed successfully.

57B18008 57B18008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.

- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

57B18009 57B18009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

57B18100 57B18100

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for

embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B18130 57B18130

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

57B18140 • 57B18151

- SIP3150

57B18140 57B18140

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

57B18141 57B18141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

57B18145 57B18145

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

57B18146 57B18146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

57B18150 57B18150

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57B18151 57B18151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B18155 57B18155

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B18156 57B18156

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

57B18157

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B18157 57B18157

Explanation: I/O adapter card error

Response: The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
 - STORIOA
-

57B18300 57B18300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

57B18301 57B18301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B18302 **57B18302****Explanation:** Missing Licensed Internal Code**Response:** Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

57B18400 **57B18400****Explanation:** Licensed Internal Code error**Failing Item:**

- PTFSRCH

57B18404 **57B18404****Explanation:** System log entry only. No service action required.

57B19000 **57B19000****Explanation:** Device error**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57B19001 57B19001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

57B19002 57B19002

Explanation: Device error

Failing Item:

- NEXTLVL

57B19008 57B19008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130

57B19010 57B19010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120

57B19011 57B19011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL

57B19020 57B19020

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57B19021 57B19021

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57B19022 57B19022

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57B19023 57B19023

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112

57B19024 57B19024

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL

57B19025 57B19025

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
- FI02112

57B19026 57B19026

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL

57B19027 57B19027

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113

57B19028 57B19028

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS

57B19029 57B19029

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

57B19030 57B19030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
- FI02112

57B19031 57B19031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57B19032 57B19032

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
- FI02112

57B19040 57B19040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

57B19041 57B19041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

57B19042 57B19042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

57B19050 57B19050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131

57B19051 57B19051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132

57B19052 57B19052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

57B19054 57B19054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121

57B19055 57B19055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

57B19070 **57B19070**

Explanation: System log entry only. No service action required.

57B19071 **57B19071**

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

57B19072 **57B19072**

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

57B19073 **57B19073**

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP3140

57B19074 **57B19074**

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP3141

57B19075 **57B19075**

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP3149

57B19076 **57B19076**

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP3147

57B19081 **57B19081**

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for

embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57B19082 **57B19082**

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the

57B19083 • 57B1C000

FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57B19083 57B19083

Explanation: System log entry only. No service action required.

57B19084 57B19084

Explanation: System log entry only. No service action required.

57B19090 57B19090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57B19091 57B19091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57B19092 57B19092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

57B19500 57B19500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

57B19903 57B19903

Explanation: Tape device information was logged. Informational event, no service required.

57B1C000 57B1C000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

57B1C402 **57B1C402**

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57B1FF3D **57B1FF3D**

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

(57B2) Reference codes

57B21310 57B21310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57B23000 57B23000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57B23020 57B23020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP3150

57B23100 57B23100

Explanation: Device bus interface error occurred

Failing Item:

- SIP3150

57B23140 57B23140

Explanation: System log entry only. No service action required.

57B23202 57B23202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

57B23400 57B23400

Explanation: Unknown resource error

Failing Item:

- SIP3150
- FI02112
- STORIOA
- SASCABL

57B23401 57B23401

57B23405 • 57B24070

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

57B23405 57B23405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

57B234FF 57B234FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

57B23601 57B23601

Explanation: System log entry only. No service action required.

57B24010 57B24010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

57B24020 57B24020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

57B24030 57B24030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP3144

57B24040 57B24040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP3144

57B24041 57B24041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

57B24050 57B24050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

57B24060 57B24060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

57B24061 57B24061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

57B24070 57B24070

Explanation: System log entry only. No service action required.

57B24080 **57B24080**

Explanation: Storage controller thermal error. The controller exceeded the maximum operating temperature.

Problem determination: Verify that the storage controller is placed in a valid location for this type of controller and enclosure. Perform the procedure listed in the failing items to determine the problem and corrective action.

Failing Item:

- SIP3295
-

57B24085 **57B24085**

Explanation: Storage controller detected error. Contact your next level of support or hardware service provider for more information before replacing any hardware.

Failing Item:

- NEXTLVL
-

57B24100 **57B24100**

Explanation: Device bus fabric error

Failing Item:

- SIP3152
 - SASCABL
 - SASEXP
 - DEVBPLN
 - STORIOA
 - FI01105
-

57B24101 **57B24101**

Explanation: Temporary device bus fabric error

Failing Item:

- SIP3152
-

57B24110 **57B24110**

Explanation: Unsupported enclosure function detected

Failing Item:

- SIP3145
-

57B24120 **57B24120**

Explanation: SAS cable VPD cannot be read.

Failing Item:

- SASCABL

57B24121 **57B24121**

Explanation: SAS cable is missing.

Failing Item:

- SASCABL
-

57B24123 **57B24123**

Explanation: Configuration error, invalid cable Vital Product Data. The storage controller detected invalid VPD on the SAS cable. This is most likely caused by a non IBM cable or a wrap plug. The system will continue to run.

Problem determination: Verify that wrap plugs have been removed and the cable is an IBM part. If the problem persists contact your next level of support.

Failing Item:

- SASCABL
-

57B24150 **57B24150**

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

57B24160 • 57B28008

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57B24160 57B24160

Explanation: I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57B270DD 57B270DD

Explanation: Disrupt device command completed successfully.

57B28008 57B28008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.

- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

57B28009 57B28009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

57B28100 57B28100

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for

embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B28130 57B28130

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

57B28140 • 57B28151

- SIP3150

57B28140 57B28140

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

57B28141 57B28141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

57B28145 57B28145

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

57B28146 57B28146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

57B28150 57B28150

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57B28151 57B28151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B28155 57B28155

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B28156 57B28156

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

57B28157

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B28157 57B28157

Explanation: I/O adapter card error

Response: The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
 - STORIOA
-

57B28300 57B28300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

57B28301 57B28301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

 57B28302 57B28302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

 57B28400 57B28400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

 57B28404 57B28404

Explanation: System log entry only. No service action required.

 57B29000 57B29000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57B29001 57B29001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

57B29002 57B29002

Explanation: Device error

Failing Item:

- NEXTLVL

57B29008 57B29008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130

57B29010 57B29010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120

57B29011 57B29011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL

57B29020 57B29020

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57B29021 57B29021

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57B29022 57B29022

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57B29023 57B29023

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112

57B29024 57B29024

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL

57B29025 57B29025

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
- FI02112

57B29026 57B29026

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL

57B29027 57B29027

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113

57B29028 **57B29028**

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS

57B29029 **57B29029**

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

57B29030 **57B29030**

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
- FI02112

57B29031 **57B29031**

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57B29032 **57B29032**

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
- FI02112

57B29040 **57B29040**

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

57B29041 **57B29041**

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

57B29042 **57B29042**

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

57B29050 **57B29050**

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131

57B29051 **57B29051**

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132

57B29052 **57B29052**

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

57B29054 **57B29054**

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121

57B29055 **57B29055**

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

57B29070 57B29070

Explanation: System log entry only. No service action required.

57B29071 57B29071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

57B29072 57B29072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

57B29073 57B29073

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP3140

57B29074 57B29074

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP3141

57B29075 57B29075

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP3149

57B29076 57B29076

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP3147

57B29081 57B29081

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for

embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57B29082 57B29082

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the

FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57B29083 57B29083

Explanation: System log entry only. No service action required.

57B29084 57B29084

Explanation: System log entry only. No service action required.

57B29090 57B29090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57B29091 57B29091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57B29092 57B29092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

57B29500 57B29500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

57B29903 57B29903

Explanation: Tape device information was logged. Informational event, no service required.

57B2C000 57B2C000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

57B2C402 **57B2C402**

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57B2FF3D **57B2FF3D**

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

(57B3) Reference codes

57B31310 57B31310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57B33000 57B33000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57B33020 57B33020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP3150

57B33100 57B33100

Explanation: Device bus interface error occurred

Failing Item:

- SIP3150

57B33140 57B33140

Explanation: System log entry only. No service action required.

57B33202 57B33202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

57B33400 57B33400

Explanation: Unknown resource error

Failing Item:

- SIP3150
- FI02112
- STORIOA
- SASCABL

57B33401 57B33401

57B33405 • 57B34070

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

57B33405 57B33405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

57B334FF 57B334FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

57B33601 57B33601

Explanation: System log entry only. No service action required.

57B34010 57B34010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

57B34020 57B34020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

57B34030 57B34030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP3144

57B34040 57B34040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP3144

57B34041 57B34041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

57B34050 57B34050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

57B34060 57B34060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

57B34061 57B34061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

57B34070 57B34070

Explanation: System log entry only. No service action required.

57B34100 **57B34100**
Explanation: Device bus fabric error**Failing Item:**

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- FI01105

57B34101 **57B34101**
Explanation: Temporary device bus fabric error**Failing Item:**

- SIP3152

57B34110 **57B34110**
Explanation: Unsupported enclosure function detected**Failing Item:**

- SIP3145

57B34150 **57B34150**
Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57B34160 **57B34160**
Explanation: I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57B370DD 57B370DD

Explanation: Disrupt device command completed successfully.

57B38008 57B38008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the

FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

57B38009 57B38009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

57B38100 57B38100

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B38130 57B38130

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

57B38140 57B38140

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

57B38141 57B38141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

57B38145 57B38145

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

57B38146 57B38146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

57B38150 57B38150

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

57B38151

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57B38151 57B38151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
 - STORIOA
-

57B38155 57B38155

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B38156 57B38156

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

 57B38157 57B38157

Explanation: I/O adapter card error

Response: The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

 57B38300 57B38300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

57B38301 57B38301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B38302 57B38302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

57B38400 • 57B39011

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

57B38400 57B38400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

57B38404 57B38404

Explanation: System log entry only. No service action required.

57B39000 57B39000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57B39001 57B39001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

57B39002 57B39002

Explanation: Device error

Failing Item:

- NEXTLVL

57B39008 57B39008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130

57B39010 57B39010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120

57B39011 57B39011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL

57B39020 57B39020

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

57B39021 57B39021

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

57B39022 57B39022

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

57B39023 57B39023

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112
-

57B39024 57B39024

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL
-

57B39025 57B39025

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
 - FI02112
-

57B39026 57B39026

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL

57B39027 57B39027

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113
-

57B39028 57B39028

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

57B39029 57B39029

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

57B39030 57B39030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
 - FI02112
-

57B39031 57B39031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57B39032 57B39032

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
- FI02112

57B39040 • 57B39076

57B39040 57B39040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

57B39041 57B39041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

57B39042 57B39042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

57B39050 57B39050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131
-

57B39051 57B39051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132
-

57B39052 57B39052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

57B39054 57B39054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121
-

57B39055 57B39055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

57B39070 57B39070

Explanation: System log entry only. No service action required.

57B39071 57B39071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

57B39072 57B39072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

57B39073 57B39073

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP3140
-

57B39074 57B39074

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP3141
-

57B39075 57B39075

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP3149
-

57B39076 57B39076

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP3147
-

57B39081 57B39081

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57B39082 57B39082

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

 57B39083 57B39083

Explanation: System log entry only. No service action required.

 57B39084 57B39084

Explanation: System log entry only. No service action required.

 57B39090 57B39090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

 57B39091 57B39091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

 57B39092 57B39092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

 57B39500 57B39500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

 57B39903 57B39903

Explanation: Tape device information was logged. Informational event, no service required.

 57B3C000 57B3C000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

 57B3C402 57B3C402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

 57B3FF3D 57B3FF3D

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the

embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

(57B4) Reference codes

57B41310 57B41310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57B43000 57B43000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57B43020 57B43020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP3150

57B43100 57B43100

Explanation: Device bus interface error occurred

Failing Item:

- SIP3150

57B43140 57B43140

Explanation: System log entry only. No service action required.

57B43202 57B43202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

57B43400 57B43400

Explanation: Unknown resource error

Failing Item:

- SIP3150
- FI02112
- STORIOA
- SASCABL

57B43401 57B43401

57B43405 • 57B44070

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

57B43405 57B43405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

57B434FF 57B434FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

57B43601 57B43601

Explanation: System log entry only. No service action required.

57B44010 57B44010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

57B44020 57B44020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

57B44030 57B44030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP3144

57B44040 57B44040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP3144

57B44041 57B44041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

57B44050 57B44050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

57B44060 57B44060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

57B44061 57B44061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

57B44070 57B44070

Explanation: System log entry only. No service action required.

57B44080 **57B44080**

Explanation: Storage controller thermal error. The controller exceeded the maximum operating temperature.

Problem determination: Verify that the storage controller is placed in a valid location for this type of controller and enclosure. Perform the procedure listed in the failing items to determine the problem and corrective action.

Failing Item:

- SIP3295
-

57B44085 **57B44085**

Explanation: Storage controller detected error. Contact your next level of support or hardware service provider for more information before replacing any hardware.

Failing Item:

- NEXTLVL
-

57B44100 **57B44100**

Explanation: Device bus fabric error

Failing Item:

- SIP3152
 - SASCABL
 - SASEXP
 - DEVBPLN
 - STORIOA
 - FI01105
-

57B44101 **57B44101**

Explanation: Temporary device bus fabric error

Failing Item:

- SIP3152
-

57B44110 **57B44110**

Explanation: Unsupported enclosure function detected

Failing Item:

- SIP3145
-

57B44120 **57B44120**

Explanation: SAS cable VPD cannot be read.

Failing Item:

- SASCABL

57B44121 **57B44121**

Explanation: SAS cable is missing.

Failing Item:

- SASCABL
-

57B44123 **57B44123**

Explanation: Configuration error, invalid cable Vital Product Data. The storage controller detected invalid VPD on the SAS cable. This is most likely caused by a non IBM cable or a wrap plug. The system will continue to run.

Problem determination: Verify that wrap plugs have been removed and the cable is an IBM part. If the problem persists contact your next level of support.

Failing Item:

- SASCABL
-

57B44150 **57B44150**

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

57B44160 • 57B48008

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57B44160 57B44160

Explanation: I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57B470DD 57B470DD

Explanation: Disrupt device command completed successfully.

57B48008 57B48008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.

- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

57B48009 57B48009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

57B48100 57B48100

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for

embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B48130 57B48130

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

57B48140 • 57B48151

- SIP3150

57B48140 57B48140

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

57B48141 57B48141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

57B48145 57B48145

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

57B48146 57B48146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

57B48150 57B48150

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57B48151 57B48151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B48155 57B48155

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B48156 57B48156

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

57B48157

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B48157 57B48157

Explanation: I/O adapter card error

Response: The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
 - STORIOA
-

57B48300 57B48300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

57B48301 57B48301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

 57B48302 57B48302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

 57B48400 57B48400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

 57B48404 57B48404

Explanation: System log entry only. No service action required.

 57B49000 57B49000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57B49001 57B49001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

57B49002 57B49002

Explanation: Device error

Failing Item:

- NEXTLVL

57B49008 57B49008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130

57B49010 57B49010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120

57B49011 57B49011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL

57B49020 57B49020

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57B49021 57B49021

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57B49022 57B49022

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57B49023 57B49023

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112

57B49024 57B49024

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL

57B49025 57B49025

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
- FI02112

57B49026 57B49026

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL

57B49027 57B49027

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113

57B49028 **57B49028**

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS

57B49029 **57B49029**

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

57B49030 **57B49030**

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
- FI02112

57B49031 **57B49031**

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57B49032 **57B49032**

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
- FI02112

57B49040 **57B49040**

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

57B49041 **57B49041**

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

57B49042 **57B49042**

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

57B49050 **57B49050**

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131

57B49051 **57B49051**

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132

57B49052 **57B49052**

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

57B49054 **57B49054**

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121

57B49055 **57B49055**

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

57B49070 57B49070

Explanation: System log entry only. No service action required.

57B49071 57B49071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

57B49072 57B49072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

57B49073 57B49073

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP3140

57B49074 57B49074

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP3141

57B49075 57B49075

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP3149

57B49076 57B49076

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP3147

57B49081 57B49081

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for

embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57B49082 57B49082

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the

FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57B49083 57B49083

Explanation: System log entry only. No service action required.

57B49084 57B49084

Explanation: System log entry only. No service action required.

57B49090 57B49090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57B49091 57B49091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57B49092 57B49092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

57B49500 57B49500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

57B49903 57B49903

Explanation: Tape device information was logged. Informational event, no service required.

57B4C000 57B4C000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

57B4C402 57B4C402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57B4FF3D 57B4FF3D

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

(57B5) Reference codes

57B51310 57B51310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57B53000 57B53000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57B53020 57B53020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP3150

57B53100 57B53100

Explanation: Device bus interface error occurred

Failing Item:

- SIP3150

57B53140 57B53140

Explanation: System log entry only. No service action required.

57B53202 57B53202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

57B53400 57B53400

Explanation: Unknown resource error

Failing Item:

- SIP3150
- FI02112
- STORIOA
- SASCABL

57B53401 57B53401

57B53405 • 57B54070

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

57B53405 57B53405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

57B534FF 57B534FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

57B53601 57B53601

Explanation: System log entry only. No service action required.

57B54010 57B54010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

57B54020 57B54020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

57B54030 57B54030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP3144

57B54040 57B54040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP3144

57B54041 57B54041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

57B54050 57B54050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

57B54060 57B54060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

57B54061 57B54061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

57B54070 57B54070

Explanation: System log entry only. No service action required.

57B54080 **57B54080**

Explanation: Storage controller thermal error. The controller exceeded the maximum operating temperature.

Problem determination: Verify that the storage controller is placed in a valid location for this type of controller and enclosure. Perform the procedure listed in the failing items to determine the problem and corrective action.

Failing Item:

- SIP3295
-

57B54085 **57B54085**

Explanation: Storage controller detected error. Contact your next level of support or hardware service provider for more information before replacing any hardware.

Failing Item:

- NEXTLVL
-

57B54100 **57B54100**

Explanation: Device bus fabric error

Failing Item:

- SIP3152
 - SASCABL
 - SASEXP
 - DEVBPLN
 - STORIOA
 - FI01105
-

57B54101 **57B54101**

Explanation: Temporary device bus fabric error

Failing Item:

- SIP3152
-

57B54110 **57B54110**

Explanation: Unsupported enclosure function detected

Failing Item:

- SIP3145
-

57B54120 **57B54120**

Explanation: SAS cable VPD cannot be read.

Failing Item:

- SASCABL

57B54121 **57B54121**

Explanation: SAS cable is missing.

Failing Item:

- SASCABL
-

57B54123 **57B54123**

Explanation: Configuration error, invalid cable Vital Product Data. The storage controller detected invalid VPD on the SAS cable. This is most likely caused by a non IBM cable or a wrap plug. The system will continue to run.

Problem determination: Verify that wrap plugs have been removed and the cable is an IBM part. If the problem persists contact your next level of support.

Failing Item:

- SASCABL
-

57B54150 **57B54150**

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

57B54160 • 57B58008

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57B54160 57B54160

Explanation: I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57B570DD 57B570DD

Explanation: Disrupt device command completed successfully.

57B58008 57B58008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.

- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

57B58009 57B58009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

57B58100 57B58100

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for

embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B58130 57B58130

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

57B58140 • 57B58151

- SIP3150

57B58140 57B58140

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

57B58141 57B58141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

57B58145 57B58145

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

57B58146 57B58146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

57B58150 57B58150

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57B58151 57B58151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B58155 57B58155

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B58156 57B58156

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

57B58157

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B58157 57B58157

Explanation: I/O adapter card error

Response: The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
 - STORIOA
-

57B58300 57B58300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

57B58301 57B58301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

 57B58302 57B58302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

 57B58400 57B58400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

 57B58404 57B58404

Explanation: System log entry only. No service action required.

 57B59000 57B59000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57B59001 57B59001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

57B59002 57B59002

Explanation: Device error

Failing Item:

- NEXTLVL

57B59008 57B59008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130

57B59010 57B59010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120

57B59011 57B59011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL

57B59020 57B59020

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57B59021 57B59021

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57B59022 57B59022

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57B59023 57B59023

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112

57B59024 57B59024

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL

57B59025 57B59025

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
- FI02112

57B59026 57B59026

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL

57B59027 57B59027

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113

57B59028 **57B59028**

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS

57B59029 **57B59029**

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

57B59030 **57B59030**

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
- FI02112

57B59031 **57B59031**

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57B59032 **57B59032**

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
- FI02112

57B59040 **57B59040**

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

57B59041 **57B59041**

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

57B59042 **57B59042**

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

57B59050 **57B59050**

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131

57B59051 **57B59051**

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132

57B59052 **57B59052**

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

57B59054 **57B59054**

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121

57B59055 **57B59055**

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

57B59070 57B59070

Explanation: System log entry only. No service action required.

57B59071 57B59071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

57B59072 57B59072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

57B59073 57B59073

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP3140

57B59074 57B59074

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP3141

57B59075 57B59075

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP3149

57B59076 57B59076

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP3147

57B59081 57B59081

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for

embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57B59082 57B59082

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the

FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57B59083 57B59083

Explanation: System log entry only. No service action required.

57B59084 57B59084

Explanation: System log entry only. No service action required.

57B59090 57B59090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57B59091 57B59091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57B59092 57B59092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

57B59500 57B59500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

57B59903 57B59903

Explanation: Tape device information was logged. Informational event, no service required.

57B5C000 57B5C000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

57B5C402 57B5C402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57B5FF3D 57B5FF3D

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

(57B7) Reference codes

57B71310 57B71310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57B73100 57B73100

Explanation: Device bus interface error occurred

Failing Item:

- AUXIOA
 - PRIMIOA
 - BACKPLN
-

57B73400 57B73400

Explanation: Unknown resource error

Failing Item:

- PRIMIOA
 - AUXIOA
 - BACKPLN
-

57B74100 57B74100

Explanation: Device bus fabric error

Failing Item:

- SIP3152
 - SASCABL
 - SASEXP
 - DEVBPLN
 - STORIOA
 - FI01105
-

57B74101 57B74101

Explanation: Temporary device bus fabric error

Failing Item:

- SIP3152
-

57B74150 57B74150

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- BACKPLN
 - AUXIOA
-

57B74160 57B74160

Explanation: I/O adapter detected and recovered a PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- BACKPLN
 - AUXIOA
-

57B78008 57B78008

Explanation: A permanent cache battery pack failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- CACHBAT
 - AUXIOA
-

57B78009 57B78009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT
-

57B78100 57B78100

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
 - AUXIOA
-

57B78130 57B78130

Explanation: I/O adapter detected recoverable bus error

57B78140 • 57B79055

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- PRIMIOA
- AUXIOA
- BACKPLN

57B78140 57B78140

Explanation: I/O adapter detected recoverable bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- PRIMIOA
- AUXIOA
- BACKPLN

57B78150 57B78150

Explanation: A permanent failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- AUXIOA
- ANYBRDG

57B78151 57B78151

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- AUXIOA

57B78155 57B78155

Explanation: A permanent failure occurred

Failing Item:

- PTFSRCH
- AUXIOA

57B78156 57B78156

Explanation: A permanent failure occurred

Failing Item:

- PTFSRCH
- AUXIOA

57B78157 57B78157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter.

Failing Item:

- SVCDOCS

57B78300 57B78300

Explanation: IOA hardware or PCI bus error

Failing Item:

- AUXIOA
- ANYBRDG
- PTFSRCH

57B78301 57B78301

Explanation: Not valid condition in Licensed Internal Code

Failing Item:

- PTFSRCH
- AUXIOA

57B78302 57B78302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item:

- SVCDOCS
- AUXIOA

57B79055 57B79055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

57B79071 **57B79071**

Explanation: Link from IOA to auxiliary cache IOA went operational

Response: No service action required.

57B79072 **57B79072**

Explanation: Link from IOA to auxiliary cache IOA went non-operational

Response: No service action required.

57B79073 **57B79073**

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP3140
-

57B79076 **57B79076**

Explanation: Missing remote I/O adapter

Failing Item:

- SIP3147
 - PRIMIOA
 - AUXIOA
 - BACKPLN
-

57B7FF3D **57B7FF3D**

Explanation: I/O adapter detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- AUXIOA
- ANYBRDG

(57B8) Reference codes

57B81310 57B81310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57B83000 57B83000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57B83020 57B83020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP3150

57B83100 57B83100

Explanation: Device bus interface error occurred

Failing Item:

- SIP3150

57B83140 57B83140

Explanation: System log entry only. No service action required.

57B83202 57B83202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

57B83400 57B83400

Explanation: Unknown resource error

Failing Item:

- SIP3150
- FI02112
- STORIOA
- SASCABL

57B83401 57B83401

57B83405 • 57B84070

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

57B83405 57B83405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

57B834FF 57B834FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

57B83601 57B83601

Explanation: System log entry only. No service action required.

57B84010 57B84010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

57B84020 57B84020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

57B84030 57B84030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP3144

57B84040 57B84040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP3144

57B84041 57B84041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

57B84050 57B84050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

57B84060 57B84060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

57B84061 57B84061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

57B84070 57B84070

Explanation: System log entry only. No service action required.

57B84100 **57B84100**
Explanation: Device bus fabric error**Failing Item:**

- SIP3152
 - SASCABL
 - SASEXP
 - DEVBPLN
 - STORIOA
 - FI01105
-

57B84101 **57B84101****Explanation:** Temporary device bus fabric error**Failing Item:**

- SIP3152
-

57B84110 **57B84110****Explanation:** Unsupported enclosure function detected**Failing Item:**

- SIP3145
-

57B84150 **57B84150****Explanation:** I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
 - STORIOA
-

57B84160 **57B84160****Explanation:** I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57B870DD 57B870DD

Explanation: Disrupt device command completed successfully.

57B88008 57B88008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the

FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

57B88009 57B88009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT
-

57B88100 **57B88100**

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B88130 **57B88130**

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

57B88140 **57B88140**

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

57B88141 **57B88141**

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

57B88145 **57B88145**

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

57B88146 **57B88146**

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

57B88150 **57B88150**

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

57B88151

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57B88151 57B88151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
 - STORIOA
-

57B88155 57B88155

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B88156 57B88156

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

 57B88157 57B88157

Explanation: I/O adapter card error

Response: The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

 57B88300 57B88300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

57B88301 57B88301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57B88302 57B88302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

57B88400 • 57B89011

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

57B88400 57B88400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

57B88404 57B88404

Explanation: System log entry only. No service action required.

57B89000 57B89000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57B89001 57B89001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

57B89002 57B89002

Explanation: Device error

Failing Item:

- NEXTLVL

57B89008 57B89008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130

57B89010 57B89010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120

57B89011 57B89011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL

57B89020 57B89020

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

57B89021 57B89021

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

57B89022 57B89022

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

57B89023 57B89023

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112
-

57B89024 57B89024

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL
-

57B89025 57B89025

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
 - FI02112
-

57B89026 57B89026

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL

57B89027 57B89027

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113
-

57B89028 57B89028

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

57B89029 57B89029

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

57B89030 57B89030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
 - FI02112
-

57B89031 57B89031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57B89032 57B89032

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
- FI02112

57B89040 • 57B89076

57B89040 57B89040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

57B89041 57B89041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

57B89042 57B89042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

57B89050 57B89050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131

57B89051 57B89051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132

57B89052 57B89052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

57B89054 57B89054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121

57B89055 57B89055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

57B89070 57B89070

Explanation: System log entry only. No service action required.

57B89071 57B89071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

57B89072 57B89072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

57B89073 57B89073

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP3140

57B89074 57B89074

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP3141

57B89075 57B89075

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP3149

57B89076 57B89076

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP3147

57B89081 **57B89081**
Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57B89082 **57B89082**
Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

 57B89083 57B89083

Explanation: System log entry only. No service action required.

 57B89084 57B89084

Explanation: System log entry only. No service action required.

 57B89090 57B89090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

 57B89091 57B89091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

 57B89092 57B89092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

 57B89500 57B89500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

 57B89903 57B89903

Explanation: Tape device information was logged. Informational event, no service required.

 57B8C000 57B8C000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

 57B8C402 57B8C402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

 57B8FF3D 57B8FF3D

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the

embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

(57C3) Reference codes

57C31310 57C31310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57C31511 57C31511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

57C31515 57C31515

Explanation: A fatal error occurred on power supply 1

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

57C31521 57C31521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

57C31525 57C31525

Explanation: A fatal error occurred on power supply 2

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply

that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

57C33000 57C33000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

57C33002 • 57C33405

the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57C33002 57C33002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

57C33020 57C33020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP3150

57C33100 57C33100

Explanation: Device bus interface error occurred

Failing Item:

- SIP3150

57C33109 57C33109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

57C33140 57C33140

Explanation: System log entry only. No service action required.

57C33202 57C33202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

57C33400 57C33400

Explanation: Unknown resource error

Failing Item:

- SIP3150
- FI02112
- STORIOA
- SASCABL

57C33401 57C33401

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

57C33405 57C33405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

 57C334FF 57C334FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

 57C33601 57C33601

Explanation: System log entry only. No service action required.

 57C34010 57C34010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

 57C34020 57C34020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

 57C34030 57C34030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP3144

 57C34040 57C34040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP3144

 57C34041 57C34041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

 57C34050 57C34050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

 57C34060 57C34060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

 57C34061 57C34061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

 57C34070 57C34070

Explanation: System log entry only. No service action required.

 57C34080 57C34080

Explanation: Storage controller thermal error. The controller exceeded the maximum operating temperature.

Problem determination: Verify that the storage controller is placed in a valid location for this type of controller and enclosure. Perform the procedure listed in the failing items to determine the problem and corrective action.

Failing Item:

- SIP3295

 57C34085 57C34085

Explanation: Storage controller detected error. Contact your next level of support or hardware service provider for more information before replacing any hardware.

Failing Item:

- NEXTLVL

 57C34100 57C34100

Explanation: Device bus fabric error

Failing Item:

- SIP3152

57C34101 • 57C34150

- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- FI01105

57C34101 57C34101

Explanation: Temporary device bus fabric error

Failing Item:

- SIP3152

57C34102 57C34102

Explanation: Internal device bus fabric performance degradation.

Failing Item:

- SIP3254

57C34110 57C34110

Explanation: Unsupported enclosure function detected

Failing Item:

- SIP3145

57C34120 57C34120

Explanation: SAS cable VPD cannot be read.

Failing Item:

- SASCABL

57C34121 57C34121

Explanation: SAS cable is missing.

Failing Item:

- SASCABL

57C34123 57C34123

Explanation: Configuration error, invalid cable Vital Product Data. The storage controller detected invalid VPD on the SAS cable. This is most likely caused by a non IBM cable or a wrap plug. The system will continue to run.

Problem determination: Verify that wrap plugs have been removed and the cable is an IBM part. If the problem persists contact your next level of support.

Failing Item:

- SASCABL

57C34150 57C34150

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57C34160 57C34160

Explanation: I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57C370DD 57C370DD

Explanation: Disrupt device command completed successfully.

57C37604 57C37604

Explanation: A fatal error occurred on fan 16

Failing Item:

- DISKFAN

57C37614 57C37614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN

57C37624 57C37624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN

57C37634 57C37634

Explanation: A fatal error occurred on fan 3

Failing Item:

- DISKFAN

57C37644 57C37644

Explanation: A fatal error occurred on fan 4

Failing Item:

- DISKFAN

57C37654 57C37654

Explanation: A fatal error occurred on fan 5

Failing Item:

- DISKFAN
-

 57C37664 57C37664

Explanation: A fatal error occurred on fan 6

Failing Item:

- DISKFAN
-

57C37674 57C37674

Explanation: A fatal error occurred on fan 7

Failing Item:

- DISKFAN
-

57C37684 57C37684

Explanation: A fatal error occurred on fan 8

Failing Item:

- DISKFAN
-

57C37694 57C37694

Explanation: A fatal error occurred on fan 9

Failing Item:

- DISKFAN
-

57C376A4 57C376A4

Explanation: A fatal error occurred on fan 10

Failing Item:

- DISKFAN
-

57C376B4 57C376B4

Explanation: A fatal error occurred on fan 11

Failing Item:

- DISKFAN
-

57C376C4 57C376C4

Explanation: A fatal error occurred on fan 12

Failing Item:

- DISKFAN
-

57C376D4 57C376D4

Explanation: A fatal error occurred on fan 13

Failing Item:

- DISKFAN
-

57C376E4 57C376E4

Explanation: A fatal error occurred on fan 14

Failing Item:

- DISKFAN
-

 57C376F4 57C376F4

Explanation: A fatal error occurred on fan 15

Failing Item:

- DISKFAN
-

57C38008 57C38008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

57C38009 57C38009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

57C38100 57C38100

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the

embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57C38130 57C38130

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

57C38140 57C38140

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

57C38141 57C38141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

57C38145 57C38145

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

57C38146 57C38146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

57C38150 57C38150

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57C38151 57C38151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57C38155 57C38155

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57C38156 57C38156

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

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- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57C38157 57C38157

Explanation: I/O adapter card error

Response: The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

57C38300 57C38300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

57C38301 57C38301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57C38302 57C38302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

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See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

57C38400 57C38400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

57C38404 57C38404

Explanation: System log entry only. No service action required.

57C39000 57C39000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57C39001 57C39001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

57C39002 57C39002

Explanation: Device error

Failing Item:

- NEXTLVL

57C39008 57C39008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130

57C39010 57C39010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120
-

57C39011 57C39011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL
-

57C39020 57C39020

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

57C39021 57C39021

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

57C39022 57C39022

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

57C39023 57C39023

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112
-

57C39024 57C39024

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL
-

57C39025 57C39025

Explanation: Incompatible device

Response: An incompatible device is at the physical

location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
 - FI02112
-

57C39026 57C39026

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL
-

57C39027 57C39027

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113
-

57C39028 57C39028

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

57C39029 57C39029

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

57C39030 57C39030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
 - FI02112
-

 57C39031 57C39031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

 57C39032 57C39032

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
- FI02112

 57C39040 57C39040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

 57C39041 57C39041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

 57C39042 57C39042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

 57C39050 57C39050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131

 57C39051 57C39051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132

 57C39052 57C39052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

 57C39054 57C39054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121

 57C39055 57C39055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

 57C39070 57C39070

Explanation: System log entry only. No service action required.

 57C39071 57C39071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

 57C39072 57C39072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

 57C39073 57C39073

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP3140
-

57C39074 57C39074

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP3141
-

57C39075 57C39075

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP3149
-

57C39076 57C39076

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP3147
-

57C39081 57C39081

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
 - STORIOA
-

57C39082 57C39082

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57C39083 57C39083

Explanation: System log entry only. No service action required.

57C39084 57C39084

Explanation: System log entry only. No service action required.

57C39090 57C39090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57C39091 57C39091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new

reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57C39092 57C39092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

57C39500 57C39500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

57C39903 57C39903

Explanation: Tape device information was logged. Informational event, no service required.

57C3C000 57C3C000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

57C3C402 57C3C402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

57C3FF3D 57C3FF3D

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.

- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57C3FFF4 57C3FFF4

Explanation: Device backplane problem

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

(57C4) Reference codes

57C41310 57C41310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57C43000 57C43000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57C43020 57C43020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP3150

57C43100 57C43100

Explanation: Device bus interface error occurred

Failing Item:

- SIP3150

57C43140 57C43140

Explanation: System log entry only. No service action required.

57C43202 57C43202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

57C43400 57C43400

Explanation: Unknown resource error

Failing Item:

- SIP3150
- FI02112
- STORIOA
- SASCABL

57C43401 57C43401

57C43405 • 57C44070

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

57C43405 57C43405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

57C434FF 57C434FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

57C43601 57C43601

Explanation: System log entry only. No service action required.

57C44010 57C44010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

57C44020 57C44020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

57C44030 57C44030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP3144

57C44040 57C44040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP3144

57C44041 57C44041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

57C44050 57C44050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

57C44060 57C44060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

57C44061 57C44061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

57C44070 57C44070

Explanation: System log entry only. No service action required.

57C44080 **57C44080**

Explanation: Storage controller thermal error. The controller exceeded the maximum operating temperature.

Problem determination: Verify that the storage controller is placed in a valid location for this type of controller and enclosure. Perform the procedure listed in the failing items to determine the problem and corrective action.

Failing Item:

- SIP3295

57C44085 **57C44085**

Explanation: Storage controller detected error. Contact your next level of support or hardware service provider for more information before replacing any hardware.

Failing Item:

- NEXTLVL

57C44100 **57C44100**

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- FI01105

57C44101 **57C44101**

Explanation: Temporary device bus fabric error

Failing Item:

- SIP3152

57C44110 **57C44110**

Explanation: Unsupported enclosure function detected

Failing Item:

- SIP3145

57C44120 **57C44120**

Explanation: SAS cable VPD cannot be read.

Failing Item:

- SASCABL

57C44121 **57C44121**

Explanation: SAS cable is missing.

Failing Item:

- SASCABL

57C44123 **57C44123**

Explanation: Configuration error, invalid cable Vital Product Data. The storage controller detected invalid VPD on the SAS cable. This is most likely caused by a non IBM cable or a wrap plug. The system will continue to run.

Problem determination: Verify that wrap plugs have been removed and the cable is an IBM part. If the problem persists contact your next level of support.

Failing Item:

- SASCABL

57C44150 **57C44150**

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

57C44160 • 57C48008

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57C44160 57C44160

Explanation: I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57C470DD 57C470DD

Explanation: Disrupt device command completed successfully.

57C48008 57C48008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.

- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

57C48009 57C48009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

57C48100 57C48100

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for

embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57C48130 57C48130

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

57C48140 • 57C48151

- SIP3150

57C48140 57C48140

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

57C48141 57C48141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

57C48145 57C48145

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

57C48146 57C48146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

57C48150 57C48150

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57C48151 57C48151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57C48155 57C48155

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57C48156 57C48156

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

57C48157

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57C48157 57C48157

Explanation: I/O adapter card error

Response: The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
 - STORIOA
-

57C48300 57C48300

Explanation: IOA hardware error or PCI bus error**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

57C48301 57C48301

Explanation: Not valid condition in Licensed Internal Code**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

 57C48302 57C48302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

 57C48400 57C48400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

 57C48404 57C48404

Explanation: System log entry only. No service action required.

 57C49000 57C49000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57C49001 57C49001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

57C49002 57C49002

Explanation: Device error

Failing Item:

- NEXTLVL

57C49008 57C49008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130

57C49010 57C49010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120

57C49011 57C49011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL

57C49020 57C49020

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57C49021 57C49021

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57C49022 57C49022

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57C49023 57C49023

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112

57C49024 57C49024

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL

57C49025 57C49025

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
- FI02112

57C49026 57C49026

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL

57C49027 57C49027

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113

57C49028 57C49028

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS

57C49029 57C49029

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

57C49030 57C49030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
- FI02112

57C49031 57C49031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57C49032 57C49032

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
- FI02112

57C49040 57C49040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

57C49041 57C49041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

57C49042 57C49042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

57C49050 57C49050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131

57C49051 57C49051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132

57C49052 57C49052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

57C49054 57C49054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121

57C49055 57C49055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

57C49070 57C49070

Explanation: System log entry only. No service action required.

57C49071 57C49071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

57C49072 57C49072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

57C49073 57C49073

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP3140

57C49074 57C49074

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP3141

57C49075 57C49075

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP3149

57C49076 57C49076

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP3147

57C49081 57C49081

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for

embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57C49082 57C49082

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the

FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57C49083 57C49083

Explanation: System log entry only. No service action required.

57C49084 57C49084

Explanation: System log entry only. No service action required.

57C49090 57C49090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57C49091 57C49091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57C49092 57C49092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

57C49500 57C49500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

57C49903 57C49903

Explanation: Tape device information was logged. Informational event, no service required.

57C4C000 57C4C000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

57C4C402 **57C4C402**

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57C4FF3D **57C4FF3D**

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

(57C6) Reference codes

57C61310 57C61310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57C63000 57C63000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57C63020 57C63020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP3150

57C63100 57C63100

Explanation: Device bus interface error occurred

Failing Item:

- SIP3150

57C63140 57C63140

Explanation: System log entry only. No service action required.

57C63202 57C63202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

57C63400 57C63400

Explanation: Unknown resource error

Failing Item:

- SIP3150
- FI02112
- STORIOA
- SASCABL

57C63401 57C63401

57C63405 • 57C64070

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

57C63405 57C63405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

57C634FF 57C634FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

57C63601 57C63601

Explanation: System log entry only. No service action required.

57C64010 57C64010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

57C64020 57C64020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

57C64030 57C64030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP3144

57C64040 57C64040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP3144

57C64041 57C64041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

57C64050 57C64050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

57C64060 57C64060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

57C64061 57C64061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

57C64070 57C64070

Explanation: System log entry only. No service action required.

57C64080 **57C64080**

Explanation: Storage controller thermal error. The controller exceeded the maximum operating temperature.

Problem determination: Verify that the storage controller is placed in a valid location for this type of controller and enclosure. Perform the procedure listed in the failing items to determine the problem and corrective action.

Failing Item:

- SIP3295
-

57C64085 **57C64085**

Explanation: Storage controller detected error. Contact your next level of support or hardware service provider for more information before replacing any hardware.

Failing Item:

- NEXTLVL
-

57C64100 **57C64100**

Explanation: Device bus fabric error

Failing Item:

- SIP3152
 - SASCABL
 - SASEXP
 - DEVBPLN
 - STORIOA
 - FI01105
-

57C64101 **57C64101**

Explanation: Temporary device bus fabric error

Failing Item:

- SIP3152
-

57C64110 **57C64110**

Explanation: Unsupported enclosure function detected

Failing Item:

- SIP3145
-

57C64120 **57C64120**

Explanation: SAS cable VPD cannot be read.

Failing Item:

- SASCABL

57C64121 **57C64121**

Explanation: SAS cable is missing.

Failing Item:

- SASCABL
-

57C64123 **57C64123**

Explanation: Configuration error, invalid cable Vital Product Data. The storage controller detected invalid VPD on the SAS cable. This is most likely caused by a non IBM cable or a wrap plug. The system will continue to run.

Problem determination: Verify that wrap plugs have been removed and the cable is an IBM part. If the problem persists contact your next level of support.

Failing Item:

- SASCABL
-

57C64150 **57C64150**

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

57C64160 • 57C68008

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57C64160 57C64160

Explanation: I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57C670DD 57C670DD

Explanation: Disrupt device command completed successfully.

57C68008 57C68008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.

- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

57C68009 57C68009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

57C68100 57C68100

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for

embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57C68130 57C68130

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

57C68140 • 57C68151

- SIP3150

57C68140 57C68140

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

57C68141 57C68141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

57C68145 57C68145

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

57C68146 57C68146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

57C68150 57C68150

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57C68151 57C68151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57C68155 57C68155

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57C68156 57C68156

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

57C68157

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57C68157 57C68157

Explanation: I/O adapter card error

Response: The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
 - STORIOA
-

57C68300 57C68300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

57C68301 57C68301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

 57C68302 57C68302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

 57C68400 57C68400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

 57C68404 57C68404

Explanation: System log entry only. No service action required.

 57C69000 57C69000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57C69001 57C69001

Explanation: Device configuration error**Failing Item:**

- NEXTLVL

57C69002 57C69002

Explanation: Device error**Failing Item:**

- NEXTLVL

57C69008 57C69008

Explanation: I/O card does not support functions expected by devices**Failing Item:**

- SIP3130

57C69010 57C69010

Explanation: Cache data associated with attached devices cannot be found**Failing Item:**

- SIP3120

57C69011 57C69011

Explanation: Cache data belongs to devices other than those attached**Failing Item:**

- NEXTLVL

57C69020 57C69020

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array**Failing Item:**

- SIP3111

57C69021 57C69021

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array**Failing Item:**

- SIP3111

57C69022 57C69022

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array**Failing Item:**

- SIP3111

57C69023 57C69023

Explanation: One or more array members not in required physical locations**Failing Item:**

- SIP3112

57C69024 57C69024

Explanation: Array member physical location conflicts with another array**Failing Item:**

- NEXTLVL

57C69025 57C69025

Explanation: Incompatible device**Response:** An incompatible device is at the physical location of the device which is causing the array to be exposed.**Failing Item:**

- SIP3110
- FI02112

57C69026 57C69026

Explanation: Disk unit not found at required physical location**Response:** A previously exposed disk unit in an array was not found at the required physical location.**Failing Item:**

- NEXTLVL

57C69027 57C69027

Explanation: Array not functional due to parity out of synchronization**Response:** Array is or would become exposed and parity data is out of synchronization**Failing Item:**

- SIP3113

 57C69028 57C69028

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

57C69029 57C69029

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

57C69030 57C69030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
 - FI02112
-

57C69031 57C69031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

 57C69032 57C69032

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
 - FI02112
-

57C69040 57C69040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

 57C69041 57C69041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

57C69042 57C69042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

57C69050 57C69050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131
-

57C69051 57C69051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132
-

57C69052 57C69052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

57C69054 57C69054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121
-

57C69055 57C69055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

57C69070 57C69070

Explanation: System log entry only. No service action required.

57C69071 57C69071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

57C69072 57C69072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

57C69073 57C69073

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP3140

57C69074 57C69074

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP3141

57C69075 57C69075

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP3149

57C69076 57C69076

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP3147

57C69081 57C69081

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for

embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57C69082 57C69082

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the

FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57C69083 57C69083

Explanation: System log entry only. No service action required.

57C69084 57C69084

Explanation: System log entry only. No service action required.

57C69090 57C69090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57C69091 57C69091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57C69092 57C69092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

57C69500 57C69500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

57C69903 57C69903

Explanation: Tape device information was logged. Informational event, no service required.

57C6C000 57C6C000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

57C6C402 **57C6C402**

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57C6FF3D **57C6FF3D**

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

(57C7) Reference codes

57C71310 57C71310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57C73000 57C73000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57C73020 57C73020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP4050

57C73100 57C73100

Explanation: Device bus interface error occurred

Failing Item:

- SIP4050

57C73140 57C73140

Explanation: System log entry only. No service action required.

57C73202 57C73202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

57C73400 57C73400

Explanation: Unknown resource error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 57CB (embedded IOA with 2BCF battery card). When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

57C73401 • 57C74041

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card). When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SIP4050
- FI02112
- STORIOA
- SASCABL

57C73401 57C73401

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

57C73405 57C73405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then

contact your service provider.

Failing Item:

- PTFSRCH

57C734FF 57C734FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

57C73601 57C73601

Explanation: System log entry only. No service action required.

57C74010 57C74010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

57C74020 57C74020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

57C74030 57C74030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP4044

57C74040 57C74040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP4044

57C74041 57C74041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

57C74050 57C74050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

57C74060 57C74060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP4053
- SASCABL
- SASEXP

57C74061 57C74061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

57C74070 57C74070

Explanation: System log entry only. No service action required.

57C74100 57C74100

Explanation: Device bus fabric error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SIP4052
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- FI01105

57C74101 57C74101

Explanation: Temporary device bus fabric error

Failing Item:

- SIP4052

57C74110 57C74110

Explanation: Unsupported enclosure function detected

Failing Item:

- SIP3145

57C74150 57C74150

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

57C74160 • 57C78008

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57C74160 57C74160

Explanation: I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.

- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57C770DD 57C770DD

Explanation: Disrupt device command completed successfully.

57C78008 57C78008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted

each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

57C78009 57C78009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT
-

57C78100 57C78100

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57C78130 57C78130

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP4050

57C78140 57C78140

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP4050

57C78141 57C78141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

57C78145 57C78145

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

57C78146 57C78146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

57C78150 57C78150

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system,

the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57C78151 57C78151

Explanation: Licensed Internal Code error**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57C78155 57C78155

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57C78156 57C78156

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57C78157 57C78157

Explanation: I/O adapter card error**Response:** The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

57C78300 57C78300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

57C78301 57C78301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

57C78302 • 57C79000

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57C78302 57C78302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

57C78400 57C78400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

57C78404 57C78404

Explanation: System log entry only. No service action required.

57C79000 57C79000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57C79001 57C79001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

57C79002 57C79002

Explanation: Device error

Failing Item:

- NEXTLVL

57C79008 57C79008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130

57C79010 57C79010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120

57C79011 57C79011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL

57C79020 57C79020

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57C79021 57C79021

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57C79022 57C79022

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57C79023 57C79023

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112

57C79024 57C79024

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL

57C79025 57C79025

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
- FI02112

57C79026 57C79026

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL

57C79027 57C79027

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113

57C79028 57C79028

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS

57C79029 57C79029

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

57C79030 57C79030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
- FI02112

57C79031 57C79031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57C79032 57C79032

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
- FI02112

57C79040 57C79040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

57C79041 57C79041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

57C79042 57C79042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

57C79050 57C79050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131

57C79051 57C79051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132

57C79052 57C79052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

57C79054 57C79054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121

57C79055 57C79055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

57C79070 57C79070

Explanation: System log entry only. No service action required.

57C79071 57C79071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

57C79072 57C79072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

57C79073 57C79073

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP4040
-

57C79074 57C79074

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP4041
-

57C79075 57C79075

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP4049
-

57C79076 57C79076

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP4047

57C79081 57C79081

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
 - STORIOA
-

 57C79082 57C79082

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

 57C79083 57C79083

Explanation: System log entry only. No service action required.

 57C79084 57C79084

Explanation: System log entry only. No service action required.

 57C79090 57C79090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

 57C79091 57C79091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

 57C79092 57C79092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

 57C79500 57C79500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH
-

57C79903 **57C79903**

Explanation: Tape device information was logged. Informational event, no service required.

57C7C000 **57C7C000**

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

57C7C402 **57C7C402**

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

57C7FF3D **57C7FF3D**

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the

embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

(57CB) Reference codes

57CB1310 57CB1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57CB3000 57CB3000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57CB3020 57CB3020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP4050

57CB3100 57CB3100

Explanation: Device bus interface error occurred

Failing Item:

- SIP4050

57CB3140 57CB3140

Explanation: System log entry only. No service action required.

57CB3202 57CB3202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

57CB3400 57CB3400

Explanation: Unknown resource error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 57CB (embedded IOA with 2BCF battery card). When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

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- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card). When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SIP4050
- FI02112
- STORIOA
- SASCABL

57CB3401 57CB3401

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

57CB3405 57CB3405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then

contact your service provider.

Failing Item:

- PTFSRCH

57CB34FF 57CB34FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

57CB3601 57CB3601

Explanation: System log entry only. No service action required.

57CB4010 57CB4010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

57CB4020 57CB4020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

57CB4030 57CB4030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP4044

57CB4040 57CB4040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP4044

57CB4041 57CB4041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

57CB4050 **57CB4050**

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

57CB4060 **57CB4060**

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP4053
- SASCABL
- SASEXP

57CB4061 **57CB4061**

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

57CB4070 **57CB4070**

Explanation: System log entry only. No service action required.

57CB4100 **57CB4100**

Explanation: Device bus fabric error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SIP4052
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- FI01105

57CB4101 **57CB4101**

Explanation: Temporary device bus fabric error

Failing Item:

- SIP4052

57CB4110 **57CB4110**

Explanation: Unsupported enclosure function detected

Failing Item:

- SIP3145

57CB4150 **57CB4150**

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

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See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57CB4160 57CB4160

Explanation: I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.

- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57CB70DD 57CB70DD

Explanation: Disrupt device command completed successfully.

57CB8008 57CB8008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted

each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

57CB8009 57CB8009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

57CB8100 57CB8100

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

57CB8130 • 57CB8150

Failing Item:

- PTFSRCH
- STORIOA

57CB8130 57CB8130

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP4050

57CB8140 57CB8140

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP4050

57CB8141 57CB8141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

57CB8145 57CB8145

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

57CB8146 57CB8146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

57CB8150 57CB8150

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system,

the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57CB8151 57CB8151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CB8155 57CB8155

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CB8156 57CB8156

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CB8157 57CB8157

Explanation: I/O adapter card error**Response:** The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

57CB8300 57CB8300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

57CB8301 57CB8301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

57CB8302 • 57CB9000

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CB8302 57CB8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

57CB8400 57CB8400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

57CB8404 57CB8404

Explanation: System log entry only. No service action required.

57CB9000 57CB9000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57CB9001 57CB9001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

57CB9002 57CB9002

Explanation: Device error

Failing Item:

- NEXTLVL

57CB9008 57CB9008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130

57CB9010 57CB9010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120

57CB9011 57CB9011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL

57CB9020 57CB9020

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57CB9021 57CB9021

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57CB9022 57CB9022

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57CB9023 57CB9023

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112

57CB9024 57CB9024

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL

57CB9025 57CB9025

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
- FI02112

57CB9026 57CB9026

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL

57CB9027 57CB9027

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113
-

57CB9028 57CB9028

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

57CB9029 57CB9029

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

57CB9030 57CB9030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
 - FI02112
-

57CB9031 57CB9031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57CB9032 57CB9032

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
- FI02112

57CB9040 57CB9040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

57CB9041 57CB9041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

57CB9042 57CB9042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

57CB9050 57CB9050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131
-

57CB9051 57CB9051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132
-

57CB9052 57CB9052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

57CB9054 57CB9054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121

57CB9055 **57CB9055**

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

57CB9070 **57CB9070**

Explanation: System log entry only. No service action required.

57CB9071 **57CB9071**

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

57CB9072 **57CB9072**

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

57CB9073 **57CB9073**

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP4040
-

57CB9074 **57CB9074**

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP4041
-

57CB9075 **57CB9075**

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP4049
-

57CB9076 **57CB9076**

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP4047

57CB9081 **57CB9081**

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
 - STORIOA
-

57CB9082 **57CB9082****Explanation:** Device error**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57CB9083 **57CB9083****Explanation:** System log entry only. No service action required.

57CB9084 **57CB9084****Explanation:** System log entry only. No service action required.

57CB9090 **57CB9090****Explanation:** Disk unit has been modified after the last known status.**Response:** Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57CB9091 **57CB9091****Explanation:** Incorrect hardware configuration change detected**Response:** Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57CB9092 **57CB9092****Explanation:** Disk unit requires initialization before use.**Failing Item:**

- SIP3134

57CB9500 **57CB9500****Explanation:** Internal program error in driver code.**Failing Item:**

- PTFSRCH
-

57CB9903 **57CB9903**

Explanation: Tape device information was logged. Informational event, no service required.

57CBC000 **57CBC000**

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

57CBC402 **57CBC402**

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

57CBFF3D **57CBFF3D**

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the

embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

(57CC) Reference codes

57CC1310 57CC1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57CC3000 57CC3000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57CC3020 57CC3020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP3150

57CC3100 57CC3100

Explanation: Device bus interface error occurred

Failing Item:

- SIP3150

57CC3140 57CC3140

Explanation: System log entry only. No service action required.

57CC3202 57CC3202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

57CC3400 57CC3400

Explanation: Unknown resource error

Failing Item:

- SIP3150
- FI02112
- STORIOA
- SASCABL

57CC3401 57CC3401

57CC3405 • 57CC4070

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

57CC3405 57CC3405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

57CC34FF 57CC34FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

57CC3601 57CC3601

Explanation: System log entry only. No service action required.

57CC4010 57CC4010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

57CC4020 57CC4020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

57CC4030 57CC4030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP3144

57CC4040 57CC4040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP3144

57CC4041 57CC4041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

57CC4050 57CC4050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

57CC4060 57CC4060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

57CC4061 57CC4061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

57CC4070 57CC4070

Explanation: System log entry only. No service action required.

57CC4100 **57CC4100**
Explanation: Device bus fabric error**Failing Item:**

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- FI01105

57CC4101 **57CC4101**
Explanation: Temporary device bus fabric error**Failing Item:**

- SIP3152

57CC4110 **57CC4110**
Explanation: Unsupported enclosure function detected**Failing Item:**

- SIP3145

57CC4150 **57CC4150**
Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57CC4160 **57CC4160**
Explanation: I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57CC70DD 57CC70DD

Explanation: Disrupt device command completed successfully.

57CC8008 57CC8008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the

FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

57CC8009 57CC8009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT
-

57CC8100 **57CC8100**

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CC8130 **57CC8130**

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

57CC8140 **57CC8140**

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

57CC8141 **57CC8141**

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

57CC8145 **57CC8145**

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

57CC8146 **57CC8146**

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

57CC8150 **57CC8150**

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

57CC8151

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57CC8151 57CC8151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
 - STORIOA
-

57CC8155 57CC8155

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CC8156 57CC8156

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CC8157 57CC8157

Explanation: I/O adapter card error**Response:** The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

57CC8300 57CC8300

Explanation: IOA hardware error or PCI bus error**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

57CC8301 57CC8301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CC8302 57CC8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

57CC8400 • 57CC9011

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

57CC8400 57CC8400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

57CC8404 57CC8404

Explanation: System log entry only. No service action required.

57CC9000 57CC9000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57CC9001 57CC9001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

57CC9002 57CC9002

Explanation: Device error

Failing Item:

- NEXTLVL

57CC9008 57CC9008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130

57CC9010 57CC9010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120

57CC9011 57CC9011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL

57CC9020 57CC9020

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

57CC9021 57CC9021

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

57CC9022 57CC9022

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111
-

57CC9023 57CC9023

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112
-

57CC9024 57CC9024

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL
-

57CC9025 57CC9025

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
 - FI02112
-

57CC9026 57CC9026

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL
-

57CC9027 57CC9027

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113
-

57CC9028 57CC9028

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

57CC9029 57CC9029

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

57CC9030 57CC9030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
 - FI02112
-

57CC9031 57CC9031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57CC9032 57CC9032

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
 - FI02112
-

57CC9040 • 57CC9076

57CC9040 57CC9040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

57CC9041 57CC9041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

57CC9042 57CC9042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

57CC9050 57CC9050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131
-

57CC9051 57CC9051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132
-

57CC9052 57CC9052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

57CC9054 57CC9054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121
-

57CC9055 57CC9055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

57CC9070 57CC9070

Explanation: System log entry only. No service action required.

57CC9071 57CC9071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

57CC9072 57CC9072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

57CC9073 57CC9073

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP3140
-

57CC9074 57CC9074

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP3141
-

57CC9075 57CC9075

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP3149
-

57CC9076 57CC9076

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP3147
-

57CC9081 57CC9081

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57CC9082 57CC9082

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

 57CC9083 57CC9083

Explanation: System log entry only. No service action required.

 57CC9084 57CC9084

Explanation: System log entry only. No service action required.

 57CC9090 57CC9090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

 57CC9091 57CC9091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

 57CC9092 57CC9092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

 57CC9500 57CC9500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

 57CC9903 57CC9903

Explanation: Tape device information was logged. Informational event, no service required.

 57CCC000 57CCC000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

 57CCC402 57CCC402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

 57CCFF3D 57CCFF3D

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the

embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

(57CD) Reference codes

57CD1310 57CD1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57CD1511 57CD1511

Explanation: A non-fatal error occurred on power supply 1

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

57CD1515 57CD1515

Explanation: A fatal error occurred on power supply 1

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

57CD1521 57CD1521

Explanation: A non-fatal error occurred on power supply 2

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

57CD1525 57CD1525

Explanation: A fatal error occurred on power supply 2

Problem determination: This SRC can be the result of a loss of utility power, battery back up or UPS power to the I/O storage unit. The unit and power supply

that detected the problem are in the FRU list of the serviceable event. Before starting a repair action for this problem verify that utility power, BBU or UPS to the unit was not interrupted at the time the SRC was logged. If there was an interruption to power at about the same time then no service is required and this problem can be closed.

Failing Item:

- DISKPWR
- DEVBPLN
- SASEXP

57CD3000 57CD3000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

57CD3002 • 57CD3405

the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57CD3002 57CD3002

Explanation: Addressed device backplane failed to respond to selection

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

57CD3020 57CD3020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP3150

57CD3100 57CD3100

Explanation: Device bus interface error occurred

Failing Item:

- SIP3150

57CD3109 57CD3109

Explanation: I/O adapter timed out a device backplane command

Failing Item:

- SASEXP
- SASCABL
- STORIOA
- DEVBPLN

57CD3140 57CD3140

Explanation: System log entry only. No service action required.

57CD3202 57CD3202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

57CD3400 57CD3400

Explanation: Unknown resource error

Failing Item:

- SIP3150
- FI02112
- STORIOA
- SASCABL

57CD3401 57CD3401

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

57CD3405 57CD3405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

57CD34FF 57CD34FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

57CD3601 57CD3601

Explanation: System log entry only. No service action required.

57CD4010 57CD4010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

57CD4020 57CD4020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

57CD4030 57CD4030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP3144

57CD4040 57CD4040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP3144

57CD4041 57CD4041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

57CD4050 57CD4050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

57CD4060 57CD4060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

57CD4061 57CD4061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

57CD4070 57CD4070

Explanation: System log entry only. No service action required.

57CD4100 57CD4100

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- FI01105

57CD4101 57CD4101

Explanation: Temporary device bus fabric error

Failing Item:

- SIP3152

57CD4110 57CD4110

Explanation: Unsupported enclosure function detected

Failing Item:

- SIP3145

57CD4150 57CD4150

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57CD4160 57CD4160

Explanation: I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57CD70DD 57CD70DD

Explanation: Disrupt device command completed successfully.

57CD7614 57CD7614

Explanation: A fatal error occurred on fan 1

Failing Item:

- DISKFAN

57CD7624 57CD7624

Explanation: A fatal error occurred on fan 2

Failing Item:

- DISKFAN

57CD8100 57CD8100

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CD8130 57CD8130

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

57CD8140 57CD8140

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

57CD8141 57CD8141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

 57CD8145 57CD8145

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL
-

57CD8146 57CD8146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105
-

57CD8150 57CD8150

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
 - ANYBRDG
-

57CD8151 57CD8151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CD8155 57CD8155

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CD8156 57CD8156

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CD8157 57CD8157

Explanation: I/O adapter card error

Response: The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

57CD8300 57CD8300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

57CD8301 57CD8301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CD8302 57CD8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

57CD8400 • 57CD9002

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

57CD8400 57CD8400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

57CD8404 57CD8404

Explanation: System log entry only. No service action required.

57CD9000 57CD9000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list

here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57CD9001 57CD9001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

57CD9002 57CD9002

Explanation: Device error

Failing Item:

- NEXTLVL

57CD9008 57CD9008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130

57CD9010 57CD9010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120

57CD9011 57CD9011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL

57CD9020 57CD9020

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57CD9021 57CD9021

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57CD9022 57CD9022

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57CD9023 57CD9023

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112

57CD9024 57CD9024

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL

57CD9025 57CD9025

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
- FI02112

57CD9026 57CD9026

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL

57CD9027 57CD9027

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113

57CD9028 57CD9028

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS

57CD9029 57CD9029

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

57CD9030 57CD9030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
- FI02112

57CD9031 57CD9031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57CD9032 57CD9032

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
- FI02112

57CD9040 57CD9040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

57CD9041 57CD9041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

57CD9042 57CD9042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

57CD9050 57CD9050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131

57CD9051 57CD9051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132

57CD9052 57CD9052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

57CD9054 57CD9054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121

57CD9055 57CD9055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

57CD9070 57CD9070

Explanation: System log entry only. No service action required.

57CD9071 57CD9071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

57CD9072 57CD9072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

57CD9073 57CD9073

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP3140

57CD9074 57CD9074

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP3141

57CD9075 57CD9075

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP3149

57CD9076 57CD9076

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP3147

57CD9081 57CD9081

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57CD9082 57CD9082

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

57CD9083 • 57CDFF3D

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57CD9083 57CD9083

Explanation: System log entry only. No service action required.

57CD9084 57CD9084

Explanation: System log entry only. No service action required.

57CD9090 57CD9090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57CD9091 57CD9091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57CD9092 57CD9092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

57CD9500 57CD9500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

57CD9903 57CD9903

Explanation: Tape device information was logged. Informational event, no service required.

57CDC000 57CDC000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

57CDC402 57CDC402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

57CDFF3D 57CDFF3D

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts.

Choose the card type to identify the physical parts of the storage adapter.

- STORIOA
- DEVBPLN

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57CDFFF4 57CDFFF4

Explanation: Device backplane problem

Failing Item:

- SASEXP
- SASCABL

(57CE) Reference codes

57CE1310 57CE1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57CE3000 57CE3000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57CE3020 57CE3020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP3150

57CE3100 57CE3100

Explanation: Device bus interface error occurred

Failing Item:

- SIP3150

57CE3140 57CE3140

Explanation: System log entry only. No service action required.

57CE3202 57CE3202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

57CE3400 57CE3400

Explanation: Unknown resource error

Failing Item:

- SIP3150
- FI02112
- STORIOA
- SASCABL

57CE3401 57CE3401

57CE3405 • 57CE4070

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

57CE3405 57CE3405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH

57CE34FF 57CE34FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

57CE3601 57CE3601

Explanation: System log entry only. No service action required.

57CE4010 57CE4010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

57CE4020 57CE4020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

57CE4030 57CE4030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP3144

57CE4040 57CE4040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP3144

57CE4041 57CE4041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

57CE4050 57CE4050

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

57CE4060 57CE4060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

57CE4061 57CE4061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

57CE4070 57CE4070

Explanation: System log entry only. No service action required.

57CE4080 57CE4080

Explanation: Storage controller thermal error. The controller exceeded the maximum operating temperature.

Problem determination: Verify that the storage controller is placed in a valid location for this type of controller and enclosure. Perform the procedure listed in the failing items to determine the problem and corrective action.

Failing Item:

- SIP3295
-

57CE4085 57CE4085

Explanation: Storage controller detected error. Contact your next level of support or hardware service provider for more information before replacing any hardware.

Failing Item:

- NEXTLVL
-

57CE4100 57CE4100

Explanation: Device bus fabric error

Failing Item:

- SIP3152
 - SASCABL
 - SASEXP
 - DEVBPLN
 - STORIOA
 - FI01105
-

57CE4101 57CE4101

Explanation: Temporary device bus fabric error

Failing Item:

- SIP3152
-

57CE4110 57CE4110

Explanation: Unsupported enclosure function detected

Failing Item:

- SIP3145
-

57CE4120 57CE4120

Explanation: SAS cable VPD cannot be read.

Failing Item:

- SASCABL

57CE4121 57CE4121

Explanation: SAS cable is missing.

Failing Item:

- SASCABL
-

57CE4123 57CE4123

Explanation: Configuration error, invalid cable Vital Product Data. The storage controller detected invalid VPD on the SAS cable. This is most likely caused by a non IBM cable or a wrap plug. The system will continue to run.

Problem determination: Verify that wrap plugs have been removed and the cable is an IBM part. If the problem persists contact your next level of support.

Failing Item:

- SASCABL
-

57CE4150 57CE4150

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

57CE4160 • 57CE8008

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57CE4160 57CE4160

Explanation: I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57CE70DD 57CE70DD

Explanation: Disrupt device command completed successfully.

57CE8008 57CE8008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.

- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

57CE8009 57CE8009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

57CE8100 57CE8100

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for

embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CE8130 57CE8130

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

57CE8140 • 57CE8151

- SIP3150

57CE8140 57CE8140

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

57CE8141 57CE8141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

57CE8145 57CE8145

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

57CE8146 57CE8146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

57CE8150 57CE8150

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57CE8151 57CE8151

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CE8155 57CE8155

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CE8156 57CE8156

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

57CE8157

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CE8157 57CE8157

Explanation: I/O adapter card error

Response: The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
 - STORIOA
-

57CE8300 57CE8300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

57CE8301 57CE8301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CE8302 **57CE8302****Explanation:** Missing Licensed Internal Code**Response:** Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

57CE8400 **57CE8400****Explanation:** Licensed Internal Code error**Failing Item:**

- PTFSRCH

57CE8404 **57CE8404****Explanation:** System log entry only. No service action required.

57CE9000 **57CE9000****Explanation:** Device error**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57CE9001 57CE9001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

57CE9002 57CE9002

Explanation: Device error

Failing Item:

- NEXTLVL

57CE9008 57CE9008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130

57CE9010 57CE9010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120

57CE9011 57CE9011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL

57CE9020 57CE9020

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57CE9021 57CE9021

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57CE9022 57CE9022

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57CE9023 57CE9023

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112

57CE9024 57CE9024

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL

57CE9025 57CE9025

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
- FI02112

57CE9026 57CE9026

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL

57CE9027 57CE9027

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113

57CE9028 57CE9028

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS

57CE9029 57CE9029

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

57CE9030 57CE9030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
- FI02112

57CE9031 57CE9031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57CE9032 57CE9032

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
- FI02112

57CE9040 57CE9040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

57CE9041 57CE9041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

57CE9042 57CE9042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL

57CE9050 57CE9050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131

57CE9051 57CE9051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132

57CE9052 57CE9052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

57CE9054 57CE9054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121

57CE9055 57CE9055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

57CE9070 **57CE9070**

Explanation: System log entry only. No service action required.

57CE9071 **57CE9071**

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

57CE9072 **57CE9072**

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

57CE9073 **57CE9073**

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP3140
-

57CE9074 **57CE9074**

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP3141
-

57CE9075 **57CE9075**

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP3149
-

57CE9076 **57CE9076**

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP3147
-

57CE9081 **57CE9081**

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for

embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
 - STORIOA
-

57CE9082 **57CE9082**

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the

57CE9083 • 57CEC000

FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57CE9083 57CE9083

Explanation: System log entry only. No service action required.

57CE9084 57CE9084

Explanation: System log entry only. No service action required.

57CE9090 57CE9090

Explanation: Disk unit has been modified after the last known status.

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57CE9091 57CE9091

Explanation: Incorrect hardware configuration change detected

Response: Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57CE9092 57CE9092

Explanation: Disk unit requires initialization before use.

Failing Item:

- SIP3134

57CE9500 57CE9500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

57CE9903 57CE9903

Explanation: Tape device information was logged. Informational event, no service required.

57CEC000 57CEC000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

57CEC402 57CEC402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57CEFF3D 57CEFF3D

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

(57CF) Reference codes

57CF1310 57CF1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57CF3000 57CF3000

Explanation: A permanent failure occurred

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.

- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57CF3020 57CF3020

Explanation: Storage subsystem configuration error

Failing Item:

- SIP4050

57CF3100 57CF3100

Explanation: Device bus interface error occurred

Failing Item:

- SIP4050

57CF3140 57CF3140

Explanation: System log entry only. No service action required.

57CF3202 57CF3202

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS

57CF3400 57CF3400

Explanation: Unknown resource error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 57CB (embedded IOA with 2BCF battery card). When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

57CF3401 • 57CF4041

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card). When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SIP4050
- FI02112
- STORIOA
- SASCABL

57CF3401 57CF3401

Explanation: Device backplane problem

Failing Item:

- SASEXP
- DEVBPLN

57CF3405 57CF3405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then

contact your service provider.

Failing Item:

- PTFSRCH

57CF34FF 57CF34FF

Explanation: Format in progress

Response: No action required. This reference code is logged for information only.

57CF3601 57CF3601

Explanation: System log entry only. No service action required.

57CF4010 57CF4010

Explanation: Configuration error

Response: Incorrect connection between cascaded enclosures.

Failing Item:

- SIP3142

57CF4020 57CF4020

Explanation: Configuration error

Response: Number of connections exceed I/O adapter design limits.

Failing Item:

- SIP3143

57CF4030 57CF4030

Explanation: Configuration error

Response: Incorrect multipath connection.

Failing Item:

- SIP4044

57CF4040 57CF4040

Explanation: Configuration error

Response: Incomplete multipath connection between I/O adapter and enclosure.

Failing Item:

- SIP4044

57CF4041 57CF4041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

57CF4050 **57CF4050**

Explanation: Enclosure does not support required multipath function

Failing Item:

- SIP3148

57CF4060 **57CF4060**

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP4053
- SASCABL
- SASEXP

57CF4061 **57CF4061**

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

57CF4070 **57CF4070**

Explanation: System log entry only. No service action required.

57CF4100 **57CF4100**

Explanation: Device bus fabric error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SIP4052
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- FI01105

57CF4101 **57CF4101**

Explanation: Temporary device bus fabric error

Failing Item:

- SIP4052

57CF4110 **57CF4110**

Explanation: Unsupported enclosure function detected

Failing Item:

- SIP3145

57CF4150 **57CF4150**

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

57CF4160 • 57CF8008

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57CF4160 57CF4160

Explanation: I/O adapter detected and recovered a PCI bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.

- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57CF70DD 57CF70DD

Explanation: Disrupt device command completed successfully.

57CF8008 57CF8008

Explanation: A permanent cache battery pack failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted

each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- CACHBAT
- STORIOA
- FEATCRD

57CF8009 57CF8009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

57CF8100 57CF8100

Explanation: Licensed Internal Code error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

57CF8130 • 57CF8150

Failing Item:

- PTFSRCH
- STORIOA

57CF8130 57CF8130

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP4050

57CF8140 57CF8140

Explanation: IOA detected recoverable device bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP4050

57CF8141 57CF8141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

57CF8145 57CF8145

Explanation: Disk device detected recoverable error.

Response: This error is logged against the storage controller resource. Contact your next level of support to determine the part number and location code of the device.

Failing Item:

- NEXTLVL

57CF8146 57CF8146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

57CF8150 57CF8150

Explanation: A permanent failure occurred

Response: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system,

the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

57CF8151 57CF8151

Explanation: Licensed Internal Code error**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CF8155 57CF8155

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CF8156 57CF8156

Explanation: A permanent failure occurred**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CF8157 57CF8157

Explanation: I/O adapter card error**Response:** The FRU list in the Service Action Log will vary based on the conditions this event was logged for.

Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If you are replacing the I/O adapter and you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

57CF8300 57CF8300

Explanation: IOA hardware error or PCI bus error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

57CF8301 57CF8301

Explanation: Not valid condition in Licensed Internal Code

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

57CF8302 • 57CF9000

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- PTFSRCH
- STORIOA

57CF8302 57CF8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- SVCDOCS
- STORIOA

57CF8400 57CF8400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

57CF8404 57CF8404

Explanation: System log entry only. No service action required.

57CF9000 57CF9000

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57CF9001 57CF9001

Explanation: Device configuration error

Failing Item:

- NEXTLVL

57CF9002 57CF9002

Explanation: Device error

Failing Item:

- NEXTLVL

57CF9008 57CF9008

Explanation: I/O card does not support functions expected by devices

Failing Item:

- SIP3130

57CF9010 57CF9010

Explanation: Cache data associated with attached devices cannot be found

Failing Item:

- SIP3120

57CF9011 57CF9011

Explanation: Cache data belongs to devices other than those attached

Failing Item:

- NEXTLVL

57CF9020 57CF9020

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57CF9021 57CF9021

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57CF9022 57CF9022

Explanation: Two or more disk units missing from RAID-5 or RAID-6 array

Failing Item:

- SIP3111

57CF9023 57CF9023

Explanation: One or more array members not in required physical locations

Failing Item:

- SIP3112

57CF9024 57CF9024

Explanation: Array member physical location conflicts with another array

Failing Item:

- NEXTLVL

57CF9025 57CF9025

Explanation: Incompatible device

Response: An incompatible device is at the physical location of the device which is causing the array to be exposed.

Failing Item:

- SIP3110
- FI02112

57CF9026 57CF9026

Explanation: Disk unit not found at required physical location

Response: A previously exposed disk unit in an array was not found at the required physical location.

Failing Item:

- NEXTLVL

57CF9027 • 57CF9054

57CF9027 57CF9027

Explanation: Array not functional due to parity out of synchronization

Response: Array is or would become exposed and parity data is out of synchronization

Failing Item:

- SIP3113
-

57CF9028 57CF9028

Explanation: Maximum number of functional arrays has been exceeded

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

57CF9029 57CF9029

Explanation: Maximum number of functional array members has been exceeded

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

57CF9030 57CF9030

Explanation: Array no longer protected due to missing or failed disk unit

Failing Item:

- SIP3110
 - FI02112
-

57CF9031 57CF9031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

57CF9032 57CF9032

Explanation: A disk unit in an array is missing or failed

Response: The array is still protected, but the disk unit should be replaced.

Failing Item:

- SIP3110
- FI02112

57CF9040 57CF9040

Explanation: Re-synchronization of array parity was initiated

Response: No action required.

57CF9041 57CF9041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

57CF9042 57CF9042

Explanation: Background parity check corrected errors on disk unit

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

57CF9050 57CF9050

Explanation: Required cache data not found for one or more disk units

Failing Item:

- SIP3131
-

57CF9051 57CF9051

Explanation: Cache data exists for one or more missing or failed devices

Failing Item:

- SIP3132
-

57CF9052 57CF9052

Explanation: Cache data exists for one or more modified devices

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

57CF9054 57CF9054

Explanation: IOA resources not available due to previous problems

Failing Item:

- SIP3121

57CF9055 57CF9055

Explanation: Write cache data is available for attached storage IOA

Response: No service action required.

57CF9070 57CF9070

Explanation: System log entry only. No service action required.

57CF9071 57CF9071

Explanation: Link from IOA to auxiliary or remote IOA is operational

Response: No service action required.

57CF9072 57CF9072

Explanation: Link from IOA to auxiliary or remote IOA is non-operational

Response: No service action required.

57CF9073 57CF9073

Explanation: Multiple I/O adapters connected in a not valid configuration

Failing Item:

- SIP4040
-

57CF9074 57CF9074

Explanation: Multiple I/O adapters connected in a not valid configuration

Response: Multiple I/O adapters not capable of similar functions or controlling the same set of devices.

Failing Item:

- SIP4041
-

57CF9075 57CF9075

Explanation: Incomplete multipath connection between IOA and remote IOA

Failing Item:

- SIP4049
-

57CF9076 57CF9076

Explanation: Missing auxiliary IOA or remote IOA

Failing Item:

- SIP4047
-

57CF9081 57CF9081

Explanation: Device error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
 - STORIOA
-

57CF9082 **57CF9082****Explanation:** Device error**Response:** If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- FI01105
- STORIOA

57CF9083 **57CF9083****Explanation:** System log entry only. No service action required.

57CF9084 **57CF9084****Explanation:** System log entry only. No service action required.

57CF9090 **57CF9090****Explanation:** Disk unit has been modified after the last known status.**Response:** Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57CF9091 **57CF9091****Explanation:** Incorrect hardware configuration change detected**Response:** Use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. Other resources attached to the virtual I/O processor may then need to be Varied On.

If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

57CF9092 **57CF9092****Explanation:** Disk unit requires initialization before use.**Failing Item:**

- SIP3134

57CF9500 **57CF9500****Explanation:** Internal program error in driver code.**Failing Item:**

- PTFSRCH
-

57CF9903 **57CF9903**

Explanation: Tape device information was logged. Informational event, no service required.

57CFC000 **57CFC000**

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

57CFC402 **57CFC402**

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH
-

57CFFF3D **57CFFF3D**

Explanation: I/O adapter detected a recoverable error

Response: If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the

embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- STORIOA
- ANYBRDG

(57D3) Reference codes

57D33000 57D33000

Explanation: USB optical device information was logged. Informational event, no service required.

57D33002 57D33002

Explanation: Unexpected USB device disconnect detected.

Failing Item:

- USB_DEV

57D33010 57D33010

Explanation: USB undefined device response.

Failing Item:

- USB_DEV

57D33020 57D33020

Explanation: USB configuration error. Too many USB devices are plugged. The internal device map is full.

Problem determination: Remove USB devices one at a time until the problem is resolved. In the Service Action Log (SAL) the location of the device that caused this error is listed with the FRU.

Failing Item:

- SVCDOCS
- USB_DEV

57D33100 57D33100

Explanation: USB device bus error.

Failing Item:

- USB_CBL
- USB_DEV
- STORIOA

57D331AX 57D331AX

Explanation: USB port over current error detected. The port location is listed in the serviceable event view with the "USBPORT" symbolic FRU. The logical port number is the last character of the URC.

Problem determination: USB port numbers start with '1' and are in the hexadecimal range of 1 through F for each USB port on an adapter.

For the USB port identified by the last digit of the URC, there is a problem with the power being drawn by the device. If the device is within operating

specifications it may work properly when plugged into another USB port or another USB adapter. If the device is moved to a different port and this error is logged against the port where the device is plugged then the device may be failing. Try moving the device to a different adapter.

If the device operates properly on another USB port or on another system then the problem is with the USB adapter or the adapter's USB port.

Remove the device on the port given in the location code of symbolic FRU "USBPORT" and look for a xxxx31By SRC to be logged where "xxxx" are the same characters as the first four characters of this SRC and 'y' is the same as the last character of this SRC.

- If the xxxx31By SRC is logged at about the same time that you removed the device then examine the location code of symbolic FRU "USBPORT" for the xxxx31By SRC. If the location code for "USBPORT" is the same as the adapter and port location called out by this SRC then the problem at this port has been corrected. The device may be failing. The device may function properly on another USB port or another system.
- If the xxxx31By SRC is not logged then work the failing item list in the serviceable event view or from the list below.

Failing Item:

- SVCDOCS
- USBPORT
- USB_DEV
- STORIOA

57D331BX 57D331BX

Explanation: USB port over current error removed.

Problem determination: An over current condition that previously existed on this port has been resolved. The port is operating normally. The port location is listed with symbolic FRU "SVCDOCS" in the serviceable event view. The logical port number is the last character of the SRC.

Failing Item:

- SVCDOCS

57D33202 57D33202

Explanation: USB optical device information was logged. Informational event, no service required.

57D33400 57D33400

57D34150 • 57D3FFFE

Explanation: USB unknown device or unexpected device removal. If this SRC appears in a serviceable event view then it requires service. Otherwise no service is required.

Failing Item:

- USB_DEV

57D34150 57D34150

Explanation: USB IOA hard PCI error.

Failing Item:

- STORIOA
- ANYBRDG

57D38100 57D38100

Explanation: USB IOA manager program error.

Failing Item:

- AJDGP01

57D38150 57D38150

Explanation: USB hard IOA or device hardware error.

Failing Item:

- USB_DEV
- STORIOA

57D38300 57D38300

Explanation: USB IOA hardware error, IOA reset issued.

Failing Item:

- STORIOA

57D38301 57D38301

Explanation: USB program error.

Failing Item:

- AJDGP01

57D38303 57D38303

Explanation: USB port enumerator error.

Failing Item:

- AJDGP01
- STORIOA

57D3C000 57D3C000

Explanation: USB optical device information was logged. Informational event, no service required.

57D3C402 57D3C402

Explanation: USB optical device LIC information was logged. Informational event, no service required.

57D3FF3D 57D3FF3D

Explanation: USB optical device successfully recovered from a temporary error. No action is required. This reference code is logged for information only.

57D3FFF3 57D3FFF3

Explanation: USB media format corrupted.

Failing Item:

- MEDIA
- USB_DEV

57D3FFF4 57D3FFF4

Explanation: USB internal device error.

Failing Item:

- USB_DEV

57D3FFFE 57D3FFFE

Explanation: USB temporary bus error.

(57D4) Reference codes

57D4A001 57D4A001

Explanation: Communications I/O adapter software error or failure configuring hardware.

Failing Item:

- NEXTLVL

57D4B940 57D4B940

Explanation: I/O adapter hardware error detected

Failing Item:

- FI00719
- AJDGP01
- MA_BRDG

57D4B941 57D4B941

Explanation: One of the ports on the IOA has failed.

Failing Item:

- FI00719
- AJDGP01

(57FC) Reference codes

57FC3020 57FC3020

Explanation: Configuration error on port 0

Response: Too many devices have been configured on port 0. Change the configuration.

Failing Item:

- SVCDOCS
-

57FC3021 57FC3021

Explanation: Configuration error on port 1

Response: Too many devices have been configured on port 1. Change the configuration.

Failing Item:

- SVCDOCS
-

57FC3100 57FC3100

Explanation: Interface error on port 0

Failing Item:

- FCINTF
 - ANYFC
 - FCIOA
 - OPT_CLN
-

57FC3101 57FC3101

Explanation: Interface error on port 1

Failing Item:

- FCINTF
 - ANYFC
 - FCIOA
 - OPT_CLN
-

57FC3120 57FC3120

Explanation: A port failure was detected on port 0

Failing Item:

- FCPORT
 - FCIOA
 - FCDEV
 - OPT_CLN
-

57FC3121 57FC3121

Explanation: A port failure was detected on port 1

Failing Item:

- FCPORT
 - FCIOA
 - FCDEV
 - OPT_CLN
-

57FC3140 57FC3140

Explanation: Port 0 is now operational

Response: This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

57FC3141 57FC3141

Explanation: Port 1 is now operational

Response: This reference code and the 3121 reference code that occurred before it require no service action, since the port is now operational.

57FC3400 57FC3400

Explanation: Device error

Failing Item:

- FCDEV
 - FCINTF
 - ANYFC
 - FCIOA
 - OPT_CLN
-

57FC3405 57FC3405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

57FC34FF • 57FCB402

- PTFSRCH

57FC34FF 57FC34FF

Explanation: Format in progress

Response: The device indicated that a format is in progress. When the format is complete, the device should be usable. No action is required. This reference code is logged for information only.

57FC4150 57FC4150

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- BACKPLN
- FCIOA

57FC8100 57FC8100

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- FCIOA

57FC8130 57FC8130

Explanation: Recovered Fibre Channel interface error on port 0

Response: No action required. This reference code is logged for information only.

57FC8131 57FC8131

Explanation: Recovered Fibre Channel interface error on port 1

Response: No action required. This reference code is logged for information only.

57FC8150 57FC8150

Explanation: A permanent I/O adapter failure occurred

Failing Item:

- FCIOA
- ANYBRDG
- OPT_CLN

57FC8300 57FC8300

Explanation: IOA hardware error or PCI bus error

Failing Item:

- FCIOA
- ANYBRDG
- PTFSRCH
- OPT_CLN

57FC8301 57FC8301

Explanation: Not valid condition in Licensed Internal Code

Failing Item:

- PTFSRCH
- FCIOA
- OPT_CLN

57FC8302 57FC8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item:

- SVCDOCS
- FCIOA
- OPT_CLN

57FC9500 57FC9500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

57FC9903 57FC9903

Explanation: Tape device information was logged. Informational event, no service required.

57FCB000 57FCB000

Explanation: System log entry only, no service action required

Response: No action is required. This reference code is logged for information only.

57FCB402 57FCB402

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

57FCC000 57FCC000

Explanation: System log entry only, no service action required

Response: No action is required. This reference code is logged for information only.

57FCC402 57FCC402

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

(57FE) Reference codes

57FE3000 57FE3000

Explanation: USB optical device information was logged. Informational event, no service required.

57FE3002 57FE3002

Explanation: Unexpected USB device disconnect detected.

Failing Item:

- USB_DEV

57FE3010 57FE3010

Explanation: USB undefined device response.

Failing Item:

- USB_DEV

57FE3020 57FE3020

Explanation: USB configuration error. Too many USB devices are plugged. The internal device map is full.

Problem determination: Remove USB devices one at a time until the problem is resolved. In the Service Action Log (SAL) the location of the device that caused this error is listed with the FRU.

Failing Item:

- SVCDOCS
- USB_DEV

57FE3100 57FE3100

Explanation: USB device bus error.

Failing Item:

- USB_CBL
- USB_DEV
- STORIOA

57FE31AX 57FE31AX

Explanation: USB port over current error detected. The port location is listed in the serviceable event view with the "USBPORT" symbolic FRU. The logical port number is the last character of the URC.

Problem determination: USB port numbers start with '1' and are in the hexadecimal range of 1 through F for each USB port on an adapter.

For the USB port identified by the last digit of the URC, there is a problem with the power being drawn by the device. If the device is within operating

specifications it may work properly when plugged into another USB port or another USB adapter. If the device is moved to a different port and this error is logged against the port where the device is plugged then the device may be failing. Try moving the device to a different adapter.

If the device operates properly on another USB port or on another system then the problem is with the USB adapter or the adapter's USB port.

Remove the device on the port given in the location code of symbolic FRU "USBPORT" and look for a xxxx31By SRC to be logged where "xxxx" are the same characters as the first four characters of this SRC and 'y' is the same as the last character of this SRC.

- If the xxxx31By SRC is logged at about the same time that you removed the device then examine the location code of symbolic FRU "USBPORT" for the xxxx31By SRC. If the location code for "USBPORT" is the same as the adapter and port location called out by this SRC then the problem at this port has been corrected. The device may be failing. The device may function properly on another USB port or another system.
- If the xxxx31By SRC is not logged then work the failing item list in the serviceable event view or from the list below.

Failing Item:

- SVCDOCS
- USBPORT
- USB_DEV
- STORIOA

57FE31BX 57FE31BX

Explanation: USB port over current error removed.

Problem determination: An over current condition that previously existed on this port has been resolved. The port is operating normally. The port location is listed with symbolic FRU "SVCDOCS" in the serviceable event view. The logical port number is the last character of the SRC.

Failing Item:

- SVCDOCS

57FE3202 57FE3202

Explanation: USB optical device information was logged. Informational event, no service required.

57FE3400 57FE3400

57FE4150 • 57FEFFFE

Explanation: USB unknown device or unexpected device removal. If this SRC appears in a serviceable event view then it requires service. Otherwise no service is required.

Failing Item:

- USB_DEV

57FE4150 57FE4150

Explanation: USB IOA hard PCI error.

Failing Item:

- STORIOA
- ANYBRDG

57FE8100 57FE8100

Explanation: USB IOA manager program error.

Failing Item:

- AJDGP01

57FE8150 57FE8150

Explanation: USB hard IOA or device hardware error.

Failing Item:

- USB_DEV
- STORIOA

57FE8300 57FE8300

Explanation: USB IOA hardware error, IOA reset issued.

Failing Item:

- STORIOA

57FE8301 57FE8301

Explanation: USB program error.

Failing Item:

- AJDGP01

57FE8303 57FE8303

Explanation: USB port enumerator error.

Failing Item:

- AJDGP01
- STORIOA

57FEC000 57FEC000

Explanation: USB optical device information was logged. Informational event, no service required.

57FEC402 57FEC402

Explanation: USB optical device LIC information was logged. Informational event, no service required.

57FEFF3D 57FEFF3D

Explanation: USB optical device successfully recovered from a temporary error. No action is required. This reference code is logged for information only.

57FEFF33 57FEFF33

Explanation: USB media format corrupted.

Failing Item:

- MEDIA
- USB_DEV

57FEFF34 57FEFF34

Explanation: USB internal device error.

Failing Item:

- USB_DEV

57FEFF3E 57FEFF3E

Explanation: USB temporary bus error.

(57FF) Reference codes

57FF1310 57FF1310

Explanation: I/O adapter resource not available

Response: The I/O adapter error log is being filled faster than the errors are being reported to the system. Check other errors reported to the system and correct them.

57FF3000 57FF3000

Explanation: A permanent failure occurred

Failing Item:

- FI01101
 - ANYBRDG
-

57FF3006 57FF3006

Explanation: System bus error

Failing Item:

- FI01101
 - ANYBRDG
 - PTFSRCH
-

57FF3020 57FF3020

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

57FF3021 57FF3021

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

57FF3022 57FF3022

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

57FF3023 57FF3023

Explanation: SCSI bus configuration error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP17
 - USER
 - FI01107
 - STORIOA
-

57FF3100 57FF3100

Explanation: Interface error

Response: Error occurred on SCSI bus 0.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

57FF3101 57FF3101

Explanation: Interface error

Response: Error occurred on SCSI bus 1.

Failing Item:

- IOPIP13
 - FI01107
 - STORIOA
 - FI01140
 - DEVBPLN
-

57FF3102 57FF3102

Explanation: Interface error

Response: Error occurred on SCSI bus 2.

Failing Item:

- IOPIP13
- FI01107

57FF3103 • 57FF3200

- STORIOA
- FI01140
- DEVBPLN

57FF3103 57FF3103

Explanation: Interface error

Response: Error occurred on SCSI bus 3.

Failing Item:

- IOPIP3
- FI01107
- STORIOA
- FI01140
- DEVBPLN

57FF3120 57FF3120

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 0 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

57FF3121 57FF3121

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 1 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

57FF3122 57FF3122

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 2 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

57FF3123 57FF3123

Explanation: Bus is not operational

Response: Adding a device to SCSI bus 3 of the I/O Adapter caused the bus to become not operational. Remove the device.

Failing Item:

- SVCDOCS

57FF3140 57FF3140

Explanation: Bus is operational

Response: This reference code and the 3120 reference code that occurred before it require no service action because SCSI bus 0 is now operational.

57FF3141 57FF3141

Explanation: Bus is operational

Response: This reference code and the 3121 reference code that occurred before it require no service action because SCSI bus 1 is now operational.

57FF3142 57FF3142

Explanation: Bus is operational

Response: This reference code and the 3122 reference code that occurred before it require no service action because SCSI bus 2 is now operational.

57FF3143 57FF3143

Explanation: Bus is operational

Response: This reference code and the 3123 reference code that occurred before it require no service action because SCSI bus 3 is now operational.

57FF3150 57FF3150

Explanation: SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 0 at the same time. Correct the SCSI bus 0 configuration.

Failing Item:

- SVCDOCS

57FF3151 57FF3151

Explanation: SCSI bus configuration error

Response: Internal and external SCSI cables are connected to SCSI bus 1 at the same time. Correct the SCSI bus 1 configuration.

Failing Item:

- SVCDOCS

57FF3200 57FF3200

Explanation: A tape/CD or disk device reported a failure

Failing Item:

- FI01105
- STORIOA
- MEDIA

57FF3202 **57FF3202**

Explanation: Storage subsystem configuration error

Response: The device is not supported in the current configuration. An I/O processor might be required.

Failing Item:

- SVCDOCS
-

57FF3400 **57FF3400**

Explanation: Device error

Response: NOTE: If external devices are attached check EXTSCSI and DEVTERM first.

Failing Item:

- FI02112
 - STORIOA
 - FI01106
 - FI01140
-

57FF3401 **57FF3401**

Explanation: Device backplane problem

Failing Item:

- DEVBPLN
-

57FF3405 **57FF3405**

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
- Check the device firmware level and apply the latest PTFs.
- Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH
-

57FF34FF **57FF34FF**

Explanation: A device on this adapter is being formatted. Wait for the formatting to complete.

Failing Item:

- SVCDOCS

57FF3501 **57FF3501**

Explanation: Licensed Internal Code error

Response: The device type is either unsupported or the code has not been loaded to support it.

Failing Item:

- FI01105
 - PTFSRCH
-

57FF3601 **57FF3601**

Explanation: System log entry only. No service action required.

57FF4150 **57FF4150**

Explanation: I/O adapter detected PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working

57FF4160 • 57FF8130

the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57FF4160 57FF4160

Explanation: I/O adapter detected and recovered a PCI bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

If you are working with one of the card types below, the adapter has multiple physical parts. Choose the card type to identify the physical parts of the storage adapter.

Card type 2BE1 (feature RAID enablement card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has three physical parts:

- The embedded storage adapter on the I/O backplane.
- The RAID enablement card.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CB (embedded IOA with 2BCF battery card for embedded IOA) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapter (STORIOA) has two physical parts:

- The embedded storage adapter on the I/O backplane.
- The Battery charger and carrier card.

See symbolic FRU FEATCRD for the location codes of the FRUs if they are not listed in the serviceable event or if you are working the failing item list here.

Card type 57CF (embedded IOAs on DASD backplane with 2BC2 dual battery charger and carrier card for the embedded IOAs) read the following: When working the FRUs from the serviceable event or the failing item list here, the embedded storage adapters (STORIOA) have two physical parts:

- The embedded storage adapter on the DASD backplane.
- The dual battery charger and carrier card. To determine which battery is connected to which embedded IOA use the bus number of the IOA with symbolic FRU CACHBAT.

See symbolic FRU FEATCRD for the location code of the dual battery charger and carrier card if it is not listed in the serviceable event or if you are working the failing item list here.

Failing Item:

- BACKPLN
- STORIOA

57FF8008 57FF8008

Explanation: A permanent cache battery pack failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- CACHBAT
- STORIOA

57FF8009 57FF8009

Explanation: Impending cache battery pack failure

Failing Item:

- CACHBAT

57FF8100 57FF8100

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- STORIOA

57FF8130 57FF8130

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 0. No action

is required. This reference code is logged for information only.

57FF8131 57FF8131

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 1. No action is required. This reference code is logged for information only.

57FF8132 57FF8132

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 2. No action is required. This reference code is logged for information only.

57FF8133 57FF8133

Explanation: IOA detected recoverable device bus error

Response: An error occurred on SCSI bus 3. No action is required. This reference code is logged for information only.

57FF8140 57FF8140

Explanation: IOA detected recoverable device bus error

Response: No action is required. This reference code is logged for information only.

57FF8141 57FF8141

Explanation: IOA detected recoverable device error

Response: No action is required. This reference code is logged for information only.

57FF8145 57FF8145

Explanation: A recoverable error occurred

Failing Item:

- STORIOA

57FF8146 57FF8146

Explanation: Disk device detected recoverable error

Failing Item:

- FI01105

57FF8150 57FF8150

Explanation: A permanent failure occurred

Response: NOTE: Under a certain configuration, this SRC may not represent an error that requires a service action. Depending on the configuration of the system, the Storage IOA may have been altered and/or the Storage IOA Cache may have been disabled to allow attachment of OEM Storage that emulates a Load Source drive. If this is the case, this error will be posted each time the IOA is IPLed and it can be ignored.

Failing Item:

- STORIOA
- ANYBRDG

57FF8151 57FF8151

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH
- STORIOA

57FF8155 57FF8155

Explanation: A permanent failure occurred

Failing Item:

- PTFSRCH
- STORIOA

57FF8156 57FF8156

Explanation: A permanent failure occurred

Failing Item:

- PTFSRCH
- STORIOA

57FF8157 57FF8157

Explanation: I/O adapter card error

Response: Display the Service Action Log entry for this SRC. If the Failing Item indicates an I/O adapter, then replace the I/O adapter. If the Failing Item indicates SVCDOCS, then do NOT replace the I/O adapter. This is a recoverable error. Perform the following for the I/O processor that the I/O adapter is attached to:

1. If the I/O processor is not operable and disk units are attached, use Hardware Service Manager to re-IPL the IOP. Other resources attached to the IOP may then need to be Varied On.
2. If disk units are not attached, perform the "VRYCFG RESET(*YES)" command to reset the IOP and Vary On attached resources.

Failing Item:

57FF8300 • 57FF9020

- SVCDOCS

57FF8300 57FF8300

Explanation: IOA hardware error or PCI bus error

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

57FF8301 57FF8301

Explanation: Not valid condition in Licensed Internal Code

Failing Item:

- PTFSRCH
- STORIOA

57FF8302 57FF8302

Explanation: Missing Licensed Internal Code

Response: Ensure that the code necessary to support this I/O adapter is loaded.

Failing Item:

- SVCDOCS
- STORIOA

57FF8400 57FF8400

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

57FF8404 57FF8404

Explanation: System log entry only. No service action required.

57FF9000 57FF9000

Explanation: Device error

Failing Item:

- FI01105
- STORIOA

57FF9001 57FF9001

Explanation: Device configuration error

Response:

Failing Item:

- IOPIP33

57FF9002 57FF9002

Explanation: Device error

Response:

Failing Item:

- IOPIP16
- FI01105
- STORIOA
- FI01140
- BACKPLN
- FI01106

57FF9008 57FF9008

Explanation: I/O card does not support functions expected by devices

Response:

Failing Item:

- IOPIP25

57FF9009 57FF9009

Explanation: Call your next level of support for assistance

Failing Item:

- SVCDOCS

57FF9010 57FF9010

Explanation: Cache data associated with attached devices cannot be found

Response:

Failing Item:

- IOPIP31

57FF9011 57FF9011

Explanation: Cache data belongs to devices other than those attached

Response:

Failing Item:

- IOPIP32

57FF9020 57FF9020

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP20

57FF9021 57FF9021

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP20
-

57FF9022 57FF9022

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

57FF9023 57FF9023

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

57FF9024 57FF9024

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

57FF9025 57FF9025

Explanation: Disk unit is not supported at its physical location.

Response:

Failing Item:

- IOPIP21
-

57FF9026 57FF9026

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP22
-

57FF9027 57FF9027

Explanation: Array not functional due to present hardware configuration.

Response:

Failing Item:

- IOPIP34
-

57FF9028 57FF9028

Explanation: Incorrect hardware configuration change detected

Response: Reduce the number of arrays on this I/O adapter. Either move all the devices in an array to another I/O adapter that supports arrays, or stop an array on this I/O adapter.

Failing Item:

- SVCDOCS
-

57FF9029 57FF9029

Explanation: Incorrect hardware configuration change detected

Response: Contact your next level of support.

Failing Item:

- SVCDOCS
-

57FF902F 57FF902F

Explanation: Array addendum Product Activity Log entry

Response: This entry contains additional array information for 90xx reference codes when the array contains more than 10 members. Use the 90xx entry that occurred at the same time as this reference code as the starting point for this problem.

57FF9030 57FF9030

Explanation: Array no longer protected due to missing or failed disk unit

Response:

Failing Item:

- FI02112
 - IOPIP21
-

57FF9031 57FF9031

Explanation: Automatic rebuild initiated for array

Response: Either a previous rebuild was interrupted and was automatically restarted, or a hot spare disk unit was used to automatically rebuild the array. Look for other reference codes and take action on them.

 57FF9032 57FF9032

Explanation: A disk unit in a RAID array is missing or failed

Response: The array is still protected, but the disk unit should be replaced. Replace the device first if a device is listed first in the Service Action Log. If a device is not listed first in the Service Action Log then perform the procedure.

Failing Item:

- FI02112
 - IOPIP21
-

57FF9040 57FF9040

Explanation: Array protection temporarily suspended

Response: No action required. Protection will be automatically restarted.

57FF9041 57FF9041

Explanation: Background array parity check detected and corrected errors

Response: Call your next level of support to report the problem.

Failing Item:

- PTFSRCH
-

57FF9042 57FF9042

Explanation: An array parity error has been detected and corrected

Response: Call your next level of support to report the problem.

Failing Item:

- NEXTLVL
-

57FF9050 57FF9050

Explanation: Required cache data cannot be located for a disk unit.

Response:

Failing Item:

- IOPIP30
-

57FF9051 57FF9051

Explanation: Cache data exists for a missing or failed device

Response: If all configured units are missing, a 9054 reference code may appear in the product activity log. If so, perform the action indicated for the 9054 reference code.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- IOPIP27
-

57FF9052 57FF9052

Explanation: Cache data exists for device that has been modified.

Response: Contact your next level of support.

Failing Item:

- SVCDOCS
-

57FF9053 57FF9053

Explanation: IOA resources not available due to previous problems

Response: Take action on other reference codes which have surfaced.

If you cannot get to SST or DST, and cannot perform a type A or B IPL, perform a type D IPL from removable media. Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item:

- SVCDOCS
-

57FF9054 57FF9054

Explanation: IOA resources not available due to previous problems

Response: Power off the system and remove all new or replacement disk units. IPL the system to DST. If you cannot perform a type A or B IPL, perform a type D IPL from removable media.

Look for Product Activity Log entries for other reference codes and take action on them.

Failing Item:

- SVCDOCS
-

57FF9070 57FF9070

Explanation: System log entry only. No service action required.

57FF9071 57FF9071

Explanation: Link from IOA to auxiliary cache IOA went operational

Response: No service action required.

57FF9072 57FF9072

Explanation: Link from IOA to auxiliary cache IOA went non-operational

Response: No service action required.

57FF9073 57FF9073

Explanation: Incompatible or non-operational auxiliary cache IOA attached

Response:

Failing Item:

- IOPIP40
-

57FF9081 57FF9081

Explanation: Device error

Failing Item:

- FI01105
 - STORIOA
-

57FF9082 57FF9082

Explanation: Device error

Response:

Failing Item:

- IOPIP16
 - FI01105
 - STORIOA
 - FI01140
 - BACKPLN
 - FI01106
-

57FF9090 57FF9090

Explanation: Disk unit has been modified after the last known status.

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

57FF9091 57FF9091

Explanation: Incorrect hardware configuration change detected

Response: Re-IPL the system. If any reference codes are surfaced, use the new reference code to resolve the problem.

If you cannot resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS
-

57FF9092 57FF9092

Explanation: Disk unit requires initialization before use.

Response:

Failing Item:

- IOPIP26
-

57FF9500 57FF9500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH
-

57FF9902 57FF9902

Explanation: System log entry only. No service action required.

57FF9903 57FF9903

Explanation: Tape device information was logged. Informational event, no service required.

57FFC000 57FFC000

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

57FFC100 57FFC100

Explanation: System log entry only. No service action required.

Response: No action is required. This reference code is logged for information only.

57FFC402 57FFC402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- PTFSRCH
-

57FFFF3D • 57FFFF6D

57FFFF3D 57FFFF3D

Explanation: I/O adapter detected a recoverable error

Failing Item:

- STORIOA
- ANYBRDG

57FFFF6D 57FFFF6D

Explanation: Recoverable system bus error

Failing Item:

- STORIOA
- ANYBRDG
- PTFSRCH

(58B0) Reference codes

58B0102E 58B0102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

58B03002 58B03002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

58B03010 58B03010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B03020 58B03020

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

58B03029 58B03029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

58B03100 58B03100

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

58B03109 58B03109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B0310C 58B0310C

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B0310D 58B0310D

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B03110 58B03110

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B03130 58B03130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

58B034FF 58B034FF

Explanation: Format in progress

58B04041 • 58B0FFF9

Response: No action required. This reference code is logged for information only.

58B04041 58B04041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

58B04060 58B04060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

58B04061 58B04061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

58B04100 58B04100

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

58B07000 58B07000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

58B07001 58B07001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B070DD 58B070DD

Explanation: System log entry only, no service action required

58B0FFF3 58B0FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

58B0FFF4 58B0FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

58B0FFF5 58B0FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B0FFF6 58B0FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B0FFF7 58B0FFF7

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B0FFF9 58B0FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B0FFFA 58B0FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B0FFFB 58B0FFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

58B0FFFC 58B0FFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B0FFFD 58B0FFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B0FFFE 58B0FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(58B2) Reference codes

58B2102E 58B2102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

58B23002 58B23002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

58B23010 58B23010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B23020 58B23020

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

58B23029 58B23029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

58B23100 58B23100

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

58B23109 58B23109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B2310C 58B2310C

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B2310D 58B2310D

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B23110 58B23110

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B23130 58B23130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

58B234FF 58B234FF

Explanation: Format in progress

58B24041 • 58B2FFF9

Response: No action required. This reference code is logged for information only.

58B24041 58B24041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

58B24060 58B24060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

58B24061 58B24061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

58B24100 58B24100

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

58B27000 58B27000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

58B27001 58B27001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B270DD 58B270DD

Explanation: System log entry only, no service action required

58B2FFF3 58B2FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

58B2FFF4 58B2FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

58B2FFF5 58B2FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B2FFF6 58B2FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B2FFF7 58B2FFF7

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B2FFF9 58B2FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B2FFFA 58B2FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B2FFFB 58B2FFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

58B2FFFC 58B2FFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B2FFFD 58B2FFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B2FFFE 58B2FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(58B3) Reference codes

58B3102E 58B3102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

58B33002 58B33002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

58B33010 58B33010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B33020 58B33020

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

58B33029 58B33029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

58B33100 58B33100

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

58B33109 58B33109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B3310C 58B3310C

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B3310D 58B3310D

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B33110 58B33110

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B33130 58B33130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

58B334FF 58B334FF

Explanation: Format in progress

58B34041 • 58B3FFF9

Response: No action required. This reference code is logged for information only.

58B34041 58B34041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

58B34060 58B34060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

58B34061 58B34061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

58B34100 58B34100

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

58B37000 58B37000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

58B37001 58B37001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B370DD 58B370DD

Explanation: System log entry only, no service action required

58B3FFF3 58B3FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

58B3FFF4 58B3FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

58B3FFF5 58B3FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B3FFF6 58B3FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B3FFF7 58B3FFF7

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B3FFF9 58B3FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B3FFFA 58B3FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B3FFFB 58B3FFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

58B3FFFC 58B3FFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B3FFFD 58B3FFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B3FFFE 58B3FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(58B4) Reference codes

58B4102E 58B4102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

58B43002 58B43002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

58B43010 58B43010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B43020 58B43020

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

58B43029 58B43029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

58B43100 58B43100

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

58B43109 58B43109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B4310C 58B4310C

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B4310D 58B4310D

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B43110 58B43110

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B43130 58B43130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

58B434FF 58B434FF

Explanation: Format in progress

58B44041 • 58B4FFF9

Response: No action required. This reference code is logged for information only.

58B44041 58B44041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

58B44060 58B44060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

58B44061 58B44061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

58B44100 58B44100

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

58B47000 58B47000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

58B47001 58B47001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B470DD 58B470DD

Explanation: System log entry only, no service action required

58B4FFF3 58B4FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

58B4FFF4 58B4FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

58B4FFF5 58B4FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B4FFF6 58B4FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B4FFF7 58B4FFF7

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B4FFF9 58B4FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B4FFFA 58B4FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B4FFFB 58B4FFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

58B4FFFC 58B4FFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B4FFFD 58B4FFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B4FFFE 58B4FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(58B5) Reference codes

58B5102E 58B5102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

58B53002 58B53002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

58B53010 58B53010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B53020 58B53020

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

58B53029 58B53029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

58B53100 58B53100

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

58B53109 58B53109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B5310C 58B5310C

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B5310D 58B5310D

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B53110 58B53110

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B53130 58B53130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

58B534FF 58B534FF

Explanation: Format in progress

58B54041 • 58B5FFF9

Response: No action required. This reference code is logged for information only.

58B54041 58B54041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

58B54060 58B54060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

58B54061 58B54061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

58B54100 58B54100

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

58B57000 58B57000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

58B57001 58B57001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B570DD 58B570DD

Explanation: System log entry only, no service action required

58B5FFF3 58B5FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

58B5FFF4 58B5FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

58B5FFF5 58B5FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B5FFF6 58B5FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B5FFF7 58B5FFF7

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B5FFF9 58B5FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B5FFFA 58B5FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B5FFFB 58B5FFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

58B5FFFC 58B5FFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B5FFFD 58B5FFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B5FFFE 58B5FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(58B6) Reference codes

58B6102E 58B6102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

58B63002 58B63002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

58B63010 58B63010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B63020 58B63020

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

58B63029 58B63029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

58B63100 58B63100

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

58B63109 58B63109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B6310C 58B6310C

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B6310D 58B6310D

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B63110 58B63110

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B63130 58B63130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

58B634FF 58B634FF

Explanation: Format in progress

58B64041 • 58B6FFF9

Response: No action required. This reference code is logged for information only.

58B64041 **58B64041**

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

58B64060 **58B64060**

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

58B64061 **58B64061**

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

58B64100 **58B64100**

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

58B67000 **58B67000**

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

58B67001 **58B67001**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B670DD **58B670DD**

Explanation: System log entry only, no service action required

58B6FFF3 **58B6FFF3**

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

58B6FFF4 **58B6FFF4**

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

58B6FFF5 **58B6FFF5**

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B6FFF6 **58B6FFF6**

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B6FFF7 **58B6FFF7**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B6FFF9 **58B6FFF9**

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B6FFFA 58B6FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B6FFFB 58B6FFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

58B6FFFC 58B6FFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B6FFFD 58B6FFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B6FFFE 58B6FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(58B8) Reference codes

58B8102E 58B8102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

58B83002 58B83002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

58B83010 58B83010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B83020 58B83020

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

58B83029 58B83029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

58B83100 58B83100

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

58B83109 58B83109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B8310C 58B8310C

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B8310D 58B8310D

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B83110 58B83110

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B83130 58B83130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

58B834FF 58B834FF

Explanation: Format in progress

58B84041 • 58B8FFF9

Response: No action required. This reference code is logged for information only.

58B84041 58B84041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

58B84060 58B84060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

58B84061 58B84061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

58B84100 58B84100

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

58B87000 58B87000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

58B87001 58B87001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B870DD 58B870DD

Explanation: System log entry only, no service action required

58B8FFF3 58B8FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

58B8FFF4 58B8FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

58B8FFF5 58B8FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B8FFF6 58B8FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B8FFF7 58B8FFF7

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B8FFF9 58B8FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B8FFFA 58B8FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B8FFFB 58B8FFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

58B8FFFC 58B8FFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B8FFFD 58B8FFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B8FFFE 58B8FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(58B9) Reference codes

58B9102E 58B9102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

58B93002 58B93002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DEVBPLN
- SASCABL
- SASEXP

58B93010 58B93010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B93020 58B93020

Explanation: Replacement device is not supported

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

58B93029 58B93029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

58B93100 58B93100

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL

- SASEXP

58B93109 58B93109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B9310C 58B9310C

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B9310D 58B9310D

Explanation: Device bus error.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B93110 58B93110

Explanation: Device bus interface error occurred

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B93130 58B93130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

58B934FF 58B934FF

Explanation: Format in progress

58B94041 • 58B9FFF9

Response: No action required. This reference code is logged for information only.

58B94041 58B94041

Explanation: Incomplete multipath connection

Response: Incomplete multipath connection between device backplane and device.

Failing Item:

- SIP3146

58B94060 58B94060

Explanation: Multipath redundancy level reduced

Response: A redundant disk unit connection has failed.

Failing Item:

- SIP3153
- SASCABL
- SASEXP

58B94061 58B94061

Explanation: Multipath redundancy level increased

Response: A redundant disk unit connection has been restored. No service action is required.

58B94100 58B94100

Explanation: Device bus fabric error

Failing Item:

- SIP3152
- SASCABL
- SASEXP
- DEVBPLN
- STORIOA
- DISKDRV

58B97000 58B97000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

58B97001 58B97001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B970DD 58B970DD

Explanation: System log entry only, no service action required

58B9FFF3 58B9FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV

58B9FFF4 58B9FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
- STORIOA

58B9FFF5 58B9FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B9FFF6 58B9FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B9FFF7 58B9FFF7

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B9FFF9 58B9FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV

58B9FFFA 58B9FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- SASCABL
- SASEXP

58B9FFFB 58B9FFFB

Explanation: SAS bus reset occurred

Response: No action required. This reference code is logged for information only.

58B9FFFC 58B9FFFC

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B9FFFD 58B9FFFD

Explanation: Soft device bus error.

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3250
- DISKDRV
- STORIOA

58B9FFFE 58B9FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- SIP3150

(5907) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

59073000 59073000

Explanation: I/O adapter hardware error detected

Failing Item:

- FI01112

59073202 59073202

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item:

- TAPCNFG
- FI00871

59073400 59073400

Explanation: Device error has occurred

Failing Item:

- FI00872
- DEVTERM
- FI00871
- FI01103
- FI01106

59079020 59079020

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the

following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.

Failing Item:

- TAPCNFG
- FI00871
- PTFSRCH

59079100 59079100

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

59079101 59079101

Explanation: Fibre Channel interface error detected

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FCIOA
- FCDEV
- FCCABLE

59079102 59079102

Explanation: Gateway device detected a SCSI interface error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FI00871
- FCGATE
- FI00872
- DEVTERM

59079103 59079103

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- SASCABL

59079104 59079104

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- USB_DEV
- USB_IOA
- USB_CBL

59079200 59079200

Explanation: Tape unit is not responding

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

59079201 59079201

Explanation: Tape unit command timeout

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM
- MEDIA

59079202 59079202

Explanation: Tape unit failed after Licensed Internal Code was loaded

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

59079210 59079210

Explanation: Illegal or unsupported tape unit response

Failing Item:

- FI00871
- FI01112
- PTFSRCH

59079211 59079211

Explanation: Gateway device detected a bus protocol error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE
- FCIOA
- FI00871
- ANYFC
- FCCABLE
- FI00872

- DEVTERM

59079220 59079220

Explanation: Hardware configuration change detected

Response: The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

59079300 59079300

Explanation: Tape unit failure

Failing Item:

- FI00871

59079301 59079301

Explanation: Tape device failure, redundancy lost

Response: The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item:

- FI00871

59079302 59079302

Explanation: Tape device failure or media error

Response: The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item:

- MEDIA
- FI00871

59079303 59079303

Explanation: Gateway device failure

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE

59079304 59079304

Explanation: Tape unit failure

Response: Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.

2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item:

- USER
- FI00871

59079310 59079310

Explanation: Licensed Internal Code for the tape unit is not correct

Failing Item:

- PTFSRCH
- FI00871

59079320 59079320

Explanation: Tape device Licensed Internal Code failure

Failing Item:

- FI00130
- FI00871

59079321 59079321

Explanation: Gateway device Licensed Internal Code error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCCODE

59079350 59079350

Explanation: Tape unit detected a read or write error on tape medium

Response: A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

59079351 59079351

Explanation: Tape with excessive error rate was mounted in tape device.

Response: The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

59079355 59079355

Explanation: The data format is incorrect; the tape cannot be read

Response: The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item:

- USER
- MEDIA
- TAPCLN
- FI00871

59079500 59079500

Explanation: Licensed Internal Code error

Response: If the system is operational, perform a dump of the I/O processor data.

Failing Item:

- PTFSRCH

59079501 59079501

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

59079800 59079800

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

59079801 59079801

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

59079802 59079802

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

59079803 59079803

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

59079804 59079804

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

59079805 59079805

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

59079806 59079806

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

59079810 59079810

Explanation: Problem analysis has determined a part should be replaced.

Response: This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only)

59079899 59079899

Explanation: Problem analysis completed, the problem has been corrected.

Response: This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

59079900 59079900

Explanation: Licensed Internal Code for tape unit was not upgraded

Response: The I/O processor loading of Licensed

Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform TUIPI04 to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item:

- USER
-

59079901 59079901

Explanation: Tape performance statistics logged

Response: No action required. This reference code is logged for information only.

59079902 59079902

Explanation: An IOP dump was initiated

Response: No action required.

59079903 59079903

Explanation: Tape device information logged

Response: No action required. This reference code is logged for information only.

5907FFF6 5907FFF6

Explanation: Tape volume statistics logged (no action required)

(6258) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

62583000 62583000

Explanation: I/O adapter hardware error detected

Failing Item:

- FI01112

62583202 62583202

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item:

- TAPCNFG
- FI00871

62583400 62583400

Explanation: Device error has occurred

Failing Item:

- FI00872
- DEVTERM
- FI00871
- FI01103
- FI01106

62589020 62589020

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the

following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.

Failing Item:

- TAPCNFG
- FI00871
- PTFSRCH

62589100 62589100

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

62589101 62589101

Explanation: Fibre Channel interface error detected

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FCIOA
- FCDEV
- FCCABLE

62589102 62589102

Explanation: Gateway device detected a SCSI interface error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FI00871
- FCGATE
- FI00872
- DEVTERM

62589103 62589103

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- SASCABL

62589104 62589104

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- USB_DEV
- USB_IOA
- USB_CBL

62589200 62589200

Explanation: Tape unit is not responding

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

62589201 62589201

Explanation: Tape unit command timeout

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM
- MEDIA

62589202 62589202

Explanation: Tape unit failed after Licensed Internal Code was loaded

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

62589210 62589210

Explanation: Illegal or unsupported tape unit response

Failing Item:

- FI00871
- FI01112
- PTFSRCH

62589211 62589211

Explanation: Gateway device detected a bus protocol error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE
- FCIOA
- FI00871
- ANYFC
- FCCABLE
- FI00872

- DEVTERM

62589220 62589220

Explanation: Hardware configuration change detected

Response: The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

62589300 62589300

Explanation: Tape unit failure

Failing Item:

- FI00871

62589301 62589301

Explanation: Tape device failure, redundancy lost

Response: The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item:

- FI00871

62589302 62589302

Explanation: Tape device failure or media error

Response: The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item:

- MEDIA
- FI00871

62589303 62589303

Explanation: Gateway device failure

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE

62589304 62589304

Explanation: Tape unit failure

Response: Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.

2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item:

- USER
- FI00871

62589310 62589310

Explanation: Licensed Internal Code for the tape unit is not correct

Failing Item:

- PTFSRCH
- FI00871

62589320 62589320

Explanation: Tape device Licensed Internal Code failure

Failing Item:

- FI00130
- FI00871

62589321 62589321

Explanation: Gateway device Licensed Internal Code error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCCODE

62589350 62589350

Explanation: Tape unit detected a read or write error on tape medium

Response: A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

62589351 62589351

Explanation: Tape with excessive error rate was mounted in tape device.

Response: The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

62589355 62589355

Explanation: The data format is incorrect; the tape cannot be read

Response: The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item:

- USER
- MEDIA
- TAPCLN
- FI00871

62589500 62589500

Explanation: Licensed Internal Code error

Response: If the system is operational, perform a dump of the I/O processor data.

Failing Item:

- PTFSRCH

62589501 62589501

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

62589800 62589800

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

62589801 62589801

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

62589802 62589802

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

62589803 62589803

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

62589804 62589804

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

62589805 62589805

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

62589806 62589806

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

62589810 62589810

Explanation: Problem analysis has determined a part should be replaced.

Response: This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only)

62589899 62589899

Explanation: Problem analysis completed, the problem has been corrected.

Response: This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

62589900 62589900

Explanation: Licensed Internal Code for tape unit was not upgraded

Response: The I/O processor loading of Licensed

Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform TUIPI04 to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item:

- USER
-

62589901 62589901

Explanation: Tape performance statistics logged

Response: No action required. This reference code is logged for information only.

62589902 62589902

Explanation: An IOP dump was initiated

Response: No action required.

62589903 62589903

Explanation: Tape device information logged

Response: No action required. This reference code is logged for information only.

6258FFF6 6258FFF6

Explanation: Tape volume statistics logged (no action required)

(6279) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

62793000 62793000

Explanation: I/O adapter hardware error detected

Failing Item:

- FI01112

62793202 62793202

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item:

- TAPCNFG
- FI00871

62793400 62793400

Explanation: Device error has occurred

Failing Item:

- FI00872
- DEVTERM
- FI00871
- FI01103
- FI01106

62799020 62799020

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the

following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.

Failing Item:

- TAPCNFG
- FI00871
- PTFSRCH

62799100 62799100

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

62799101 62799101

Explanation: Fibre Channel interface error detected

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FCIOA
- FCDEV
- FCCABLE

62799102 62799102

Explanation: Gateway device detected a SCSI interface error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FI00871
- FCGATE
- FI00872
- DEVTERM

62799103 62799103

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- SASCABL

62799104 62799104

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- USB_DEV
- USB_IOA
- USB_CBL

62799200 62799200

Explanation: Tape unit is not responding

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

62799201 62799201

Explanation: Tape unit command timeout

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM
- MEDIA

62799202 62799202

Explanation: Tape unit failed after Licensed Internal Code was loaded

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

62799210 62799210

Explanation: Illegal or unsupported tape unit response

Failing Item:

- FI00871
- FI01112
- PTFSRCH

62799211 62799211

Explanation: Gateway device detected a bus protocol error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE
- FCIOA
- FI00871
- ANYFC
- FCCABLE
- FI00872

- DEVTERM

62799220 62799220

Explanation: Hardware configuration change detected

Response: The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

62799300 62799300

Explanation: Tape unit failure

Failing Item:

- FI00871

62799301 62799301

Explanation: Tape device failure, redundancy lost

Response: The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item:

- FI00871

62799302 62799302

Explanation: Tape device failure or media error

Response: The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item:

- MEDIA
- FI00871

62799303 62799303

Explanation: Gateway device failure

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE

62799304 62799304

Explanation: Tape unit failure

Response: Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.

2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item:

- USER
- FI00871

62799310 62799310

Explanation: Licensed Internal Code for the tape unit is not correct

Failing Item:

- PTFSRCH
- FI00871

62799320 62799320

Explanation: Tape device Licensed Internal Code failure

Failing Item:

- FI00130
- FI00871

62799321 62799321

Explanation: Gateway device Licensed Internal Code error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCCODE

62799350 62799350

Explanation: Tape unit detected a read or write error on tape medium

Response: A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

62799351 62799351

Explanation: Tape with excessive error rate was mounted in tape device.

Response: The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

62799355 62799355

Explanation: The data format is incorrect; the tape cannot be read

Response: The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item:

- USER
- MEDIA
- TAPCLN
- FI00871

62799500 62799500

Explanation: Licensed Internal Code error

Response: If the system is operational, perform a dump of the I/O processor data.

Failing Item:

- PTFSRCH

62799501 62799501

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

62799800 62799800

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

62799801 62799801

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

62799802 62799802

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

62799803 62799803

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

62799804 62799804

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

62799805 62799805

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

62799806 62799806

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

62799810 62799810

Explanation: Problem analysis has determined a part should be replaced.

Response: This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only)

62799899 62799899

Explanation: Problem analysis completed, the problem has been corrected.

Response: This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

62799900 62799900

Explanation: Licensed Internal Code for tape unit was not upgraded

Response: The I/O processor loading of Licensed

Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform TUIPI04 to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item:

- USER
-

62799901 62799901

Explanation: Tape performance statistics logged

Response: No action required. This reference code is logged for information only.

62799902 62799902

Explanation: An IOP dump was initiated

Response: No action required.

62799903 62799903

Explanation: Tape device information logged

Response: No action required. This reference code is logged for information only.

6279FFF6 6279FFF6

Explanation: Tape volume statistics logged (no action required)

(6320) Reference codes

An optical storage unit failure occurred.

Notes:

1. If the system is available, use online diagnostic tests when possible.
2. Use the Hardware Service Manager (HSM) verify function (via DST or SST) and verify that the unit is operating correctly.
3. Search the problem log (WRKPRB) for a recent optical storage entry that might assist in analyzing the problem. The WRKPRB entry will provide a reference code that can be found in the following table.

If the system is available, attempt the failing operation again with an optical media that is known to be good. Does the operation complete successfully?

Yes: The original optical media may be defective, or the problem may be intermittent. Attempt the failing operation again with the original optical media to verify. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for word 1. These 8 characters are the reference code. Find the reference code in the following table.

6320C000 6320C000

Explanation: System log entry only, no service action required

Response: No action is required. This reference code is logged for information only.

6320C002 6320C002

Explanation: SCSI Selection or Reselection timeout occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6320C010 6320C010

Explanation: Undefined sense key returned by device

Failing Item:

- FI00870

6320C020 6320C020

Explanation: Configuration error

Failing Item:

- FI00870

6320C022 6320C022

Explanation: Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response: No action is required. This reference code is logged for information only.

Problem determination:

- If this device is a client virtual optical device
 1. If no function reduction exists, no action is required.

Note: Inaccuracies in media support reporting is not likely to cause a functional problem.
 2. Verify that the backing device on the server is varied on, operational, and not in exclusive use by another partition . Once these things are verified, IPL the virtual IOP on the client partition or vary the server partition's NWSD off and on.
 3. Ensure that the latest optical LIC PTFs have been applied to both the client and server partitions.
- If this device is NOT a client virtual optical device
 1. If no function reduction exists, no action is required.
 2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
 3. Ensure that the latest optical LIC PTFs have been applied.

6320C023 **6320C023**

Explanation: Unable to determine all device capabilities or device characteristics are not supported with the current LIC. Writes will be blocked for this device. If a write is attempted, the device will be marked failed.

Response: No action is required. This reference code is logged for information only.

Problem determination:

1. If the device doesn't support writing to media, no action is required.
2. If any enabling PTFs have been specified for this device feature, verify they have been applied.
3. This may be a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
4. Ensure that the latest optical LIC PTFs have been applied.

6320C100 **6320C100**

Explanation: SCSI Bus error occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6320C110 **6320C110**

Explanation: SCSI command timeout occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6320C210 **6320C210**

Explanation: Unexpected device condition

Response: The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

1160 System reference codes (1xxx - Axxx)

6320C300 **6320C300**

Explanation: Media or device error occurred

Response: Perform the following:

1. Clean the disk.
2. Attempt the failing operation again.
3. If this does not correct the problem, exchange the failing items.

Failing Item:

- MEDIA
- FI00870

6320C301 **6320C301**

Explanation: Media or device error occurred

Response: Dust check encountered. The optical media or the optical lens of the drive is dirty.

Clean the optical drive and the media contained in the drive.

6320C302 **6320C302**

Explanation: Media or device error occurred

Response: The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6320C303 **6320C303**

Explanation: Media had an unknown format

Response: No action required. This reference code is logged for information only.

6320C332 **6320C332**

Explanation: Media or device error occurred

Response: The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6320C333 **6320C333**

Explanation: Incompatible media

Response: Perform the following:

1. Verify that the disk has a supported format.
2. If the format is supported, clean the disk and attempt the failing operation again.

3. If the operation fails again and results in the same reference code, ask your media source for a replacement disk.

Failing Item:

- MEDIA
- FI00870

6320C400 6320C400**Explanation:** Physical link error detected by device**Failing Item:**

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- FI01140
- FI01141

6320C402 6320C402**Explanation:** Licensed Internal Code error**Response:** Ask your next level of support for assistance.**Failing Item:**

- FI00130

6320CFF2 6320CFF2**Explanation:** Device not ready - Start Unit issued

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6320CFF4 6320CFF4**Explanation:** Internal device error occurred**Failing Item:**

- FI00870
- MEDIA

6320CFF6 6320CFF6**Explanation:** Device successfully recovered from a temporary error**Response:** No action is required. This reference code is logged for information only.

6320CFF7 6320CFF7**Explanation:** Recovered device error**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6320CFFE 6320CFFE**Explanation:** Recovered SCSI bus error**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6320FF09 6320FF09**Explanation:** Licensed Internal Code for optical device was not upgraded**Response:** This reference code is logged for information only.

6320FF3D 6320FF3D**Explanation:** Recovered IOA error**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6320FF6D 6320FF6D**Explanation:** Recovered SPD bus error**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

(6321) Reference codes

An optical storage unit failure occurred.

Notes:

1. If the system is available, use online diagnostic tests when possible.
2. Use the Hardware Service Manager (HSM) verify function (via DST or SST) and verify that the unit is operating correctly.
3. Search the problem log (WRKPRB) for a recent optical storage entry that might assist in analyzing the problem. The WRKPRB entry will provide a reference code that can be found in the following table.

If the system is available, attempt the failing operation again with an optical media that is known to be good. Does the operation complete successfully?

Yes: The original optical media may be defective, or the problem may be intermittent. Attempt the failing operation again with the original optical media to verify. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for word 1. These 8 characters are the reference code. Find the reference code in the following table.

6321C000 6321C000

Explanation: System log entry only, no service action required

Response: No action is required. This reference code is logged for information only.

6321C002 6321C002

Explanation: SCSI Selection or Reselection timeout occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6321C010 6321C010

Explanation: Undefined sense key returned by device

Failing Item:

- FI00870

6321C020 6321C020

Explanation: Configuration error

Failing Item:

- FI00870

6321C022 6321C022

Explanation: Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response: No action is required. This reference code is logged for information only.

Problem determination:

- If this device is a client virtual optical device
 1. If no function reduction exists, no action is required.

Note: Inaccuracies in media support reporting is not likely to cause a functional problem.
 2. Verify that the backing device on the server is varied on, operational, and not in exclusive use by another partition . Once these things are verified, IPL the virtual IOP on the client partition or vary the server partition's NWSD off and on.
 3. Ensure that the latest optical LIC PTFs have been applied to both the client and server partitions.
- If this device is NOT a client virtual optical device
 1. If no function reduction exists, no action is required.
 2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
 3. Ensure that the latest optical LIC PTFs have been applied.

6321C023 **6321C023**

Explanation: Unable to determine all device capabilities or device characteristics are not supported with the current LIC. Writes will be blocked for this device. If a write is attempted, the device will be marked failed.

Response: No action is required. This reference code is logged for information only.

Problem determination:

1. If the device doesn't support writing to media, no action is required.
2. If any enabling PTFs have been specified for this device feature, verify they have been applied.
3. This may be a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
4. Ensure that the latest optical LIC PTFs have been applied.

6321C100 **6321C100**

Explanation: SCSI Bus error occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6321C110 **6321C110**

Explanation: SCSI command timeout occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6321C210 **6321C210**

Explanation: Unexpected device condition

Response: The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

1164 System reference codes (1xxx - Axxx)

6321C300 **6321C300**

Explanation: Media or device error occurred

Response: Perform the following:

1. Clean the disk.
2. Attempt the failing operation again.
3. If this does not correct the problem, exchange the failing items.

Failing Item:

- MEDIA
- FI00870

6321C301 **6321C301**

Explanation: Media or device error occurred

Response: Dust check encountered. The optical media or the optical lens of the drive is dirty.

Clean the optical drive and the media contained in the drive.

6321C302 **6321C302**

Explanation: Media or device error occurred

Response: The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6321C303 **6321C303**

Explanation: Media had an unknown format

Response: No action required. This reference code is logged for information only.

6321C332 **6321C332**

Explanation: Media or device error occurred

Response: The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6321C333 **6321C333**

Explanation: Incompatible media

Response: Perform the following:

1. Verify that the disk has a supported format.
2. If the format is supported, clean the disk and attempt the failing operation again.

3. If the operation fails again and results in the same reference code, ask your media source for a replacement disk.

Failing Item:

- MEDIA
- FI00870

6321C400 6321C400

Explanation: Physical link error detected by device

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- FI01140
- FI01141

6321C402 6321C402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- FI00130

6321CFF2 6321CFF2

Explanation: Device not ready - Start Unit issued

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6321CFF4 6321CFF4

Explanation: Internal device error occurred

Failing Item:

- FI00870
- MEDIA

6321CFF6 6321CFF6

Explanation: Device successfully recovered from a temporary error

Response: No action is required. This reference code is logged for information only.

6321CFF7 6321CFF7

Explanation: Recovered device error

Response: The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6321CFFE 6321CFFE

Explanation: Recovered SCSI bus error

Response: The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6321FF09 6321FF09

Explanation: Licensed Internal Code for optical device was not upgraded

Response: This reference code is logged for information only.

6321FF3D 6321FF3D

Explanation: Recovered IOA error

Response: The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6321FF6D 6321FF6D

Explanation: Recovered SPD bus error

Response: The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

(632B) Reference codes

632BCFC1 632BCFC1

Explanation: Virtual media list access problem

Response: A virtual optical device cannot access the file containing the list of volumes.

On this partition and the Network File System server, ensure the proper file is specified and proper authority is granted.

Failing Item:

- SVCDOCS
-

632BCFC2 632BCFC2

Explanation: Error reading virtual volume list

Response: A non-recoverable error was detected while reading the list of volumes.

Check for errors on the Network File System server and resolve them. Then retry the operation. If the failure reoccurs, contact your hardware service provider.

Failing Item:

- SVCDOCS
-

632BCFC3 632BCFC3

Explanation: Virtual media volume list is not valid

Response: The data in the list of volumes is not valid.

On the Network File System server, ensure that the proper file is specified, that all files are entered correctly, that there are no blank lines, and that the character set used is valid.

Failing Item:

- SVCDOCS
-

632BCFC4 632BCFC4

Explanation: Virtual optical volume access problem

Response: A virtual optical device cannot access the file containing the specified optical volume.

On the Network File System server, ensure the proper file is specified in the list of volumes, and that the proper authority is granted.

Failing Item:

- SVCDOCS
-

632BCFC5 632BCFC5

Explanation: Error reading virtual optical volume

Response: A non-recoverable error was detected while reading a virtual optical volume.

Check for errors on the Network File System server and resolve them. Then retry the operation. If the failure reoccurs, contact your hardware service provider.

Failing Item:

- SVCDOCS
-

632BCFC6 632BCFC6

Explanation: Virtual optical volume is not valid

Response: The file specified does not contain data that can be processed as a virtual optical volume.

On the Network File System server, ensure all the files specified in the list of optical volumes are correct.

Failing Item:

- SVCDOCS
-

632BCFC7 632BCFC7

Explanation: Virtual optical device detected error

Response: A virtual optical device detected an error reported by the Network File System server that cannot be recovered.

Check for errors on the Network File System server and resolve them. Then retry the operation. If the failure reoccurs, contact your hardware service provider.

Failing Item:

- SVCDOCS
-

632BCFC8 632BCFC8

Explanation: Virtual optical device error

Response: A virtual optical device encountered a non-recoverable error.

Contact your next level of support for assistance.

Failing Item:

- NEXTLVL
-

(632C) Reference codes

632CC000 632CC000

Explanation: System log entry only, no service action required

Response: No action is required. This reference code is logged for information only.

632CC002 632CC002

Explanation: SCSI Selection or Reselection timeout occurred

Response: Refer to the hosting partition for problem analysis.

632CC010 632CC010

Explanation: Undefined sense key returned by device

Response: Refer to the hosting partition for problem analysis.

632CC020 632CC020

Explanation: Configuration error

Response: Refer to the hosting partition for problem analysis.

632CC022 632CC022

Explanation: Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response: No action is required. This reference code is logged for information only.

Problem determination:

- If this device is a client virtual optical device
 1. If no function reduction exists, no action is required.

Note: Inaccuracies in media support reporting is not likely to cause a functional problem.
 2. Verify that the backing device on the server is varied on, operational, and not in exclusive use by another partition. Once these things are verified, IPL the virtual IOP on the client partition or vary the server partition's NWSO off and on.
 3. Ensure that the latest optical LIC PTFs have been applied to both the client and server partitions.
- If this device is NOT a client virtual optical device
 1. If no function reduction exists, no action is required.

2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
3. Ensure that the latest optical LIC PTFs have been applied.

632CC023 632CC023

Explanation: Unable to determine all device capabilities or device characteristics are not supported with the current LIC. Writes will be blocked for this device. If a write is attempted, the device will be marked failed.

Response: No action is required. This reference code is logged for information only.

Problem determination:

1. If the device doesn't support writing to media, no action is required.
2. If any enabling PTFs have been specified for this device feature, verify they have been applied.
3. This may be a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
4. Ensure that the latest optical LIC PTFs have been applied.

632CC100 632CC100

Explanation: SCSI Bus error occurred

Response: Refer to the hosting partition for problem analysis.

632CC110 632CC110

Explanation: SCSI command timeout occurred

Response: Refer to the hosting partition for problem analysis.

632CC210 632CC210

Explanation: Unexpected device condition

Response: The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

632CC300 **632CC300**
Explanation: Media or device error occurred**Response:** Refer to the hosting partition for problem analysis.

632CC301 **632CC301**
Explanation: Media or device error occurred**Response:** Refer to the hosting partition for problem analysis.

632CC302 **632CC302**
Explanation: Media or device error occurred**Response:** Refer to the hosting partition for problem analysis.

632CC303 **632CC303**
Explanation: Media had an unknown format**Response:** No action required. This reference code is logged for information only.

632CC333 **632CC333**
Explanation: Incompatible media**Response:** Perform the following:

1. Verify that the disk has a format that is given support.
2. If the format is given support, clean the disk and attempt the failing operation again.
3. If the operation fails again with the same reference code, ask your media source for a replacement disk.

632CC400 **632CC400**
Explanation: Physical link error detected by device**Response:** Refer to the hosting partition for problem analysis.

632CC402 **632CC402**
Explanation: Licensed Internal Code program error occurred**Response:** Ask your next level of support for assistance.**Failing Item:**

- PTFSRCH

632CCFF2 **632CCFF2**
Explanation: Device not ready - Start Unit issued**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

632CCFF4 **632CCFF4**
Explanation: Internal device error occurred**Response:** Refer to the hosting partition for problem analysis.

632CCFF6 **632CCFF6**
Explanation: The device successfully recovered from a temporary error**Response:** No action is required. This reference code is logged for information only.

632CCFF7 **632CCFF7**
Explanation: Recovered device error**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

632CCFFE **632CCFFE**
Explanation: Recovered SCSI bus error**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

632CFF3D **632CFF3D**
Explanation: Recovered IOA error**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

632CFF6D **632CFF6D**
Explanation: Recovered SPD bus error**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

(6330) Reference codes

An optical storage unit failure occurred.

Notes:

1. If the system is available, use online diagnostic tests when possible.
2. Use the Hardware Service Manager (HSM) verify function (via DST or SST) and verify that the unit is operating correctly.
3. Search the problem log (WRKPRB) for a recent optical storage entry that might assist in analyzing the problem. The WRKPRB entry will provide a reference code that can be found in the following table.

If the system is available, attempt the failing operation again with an optical media that is known to be good. Does the operation complete successfully?

Yes: The original optical media may be defective, or the problem may be intermittent. Attempt the failing operation again with the original optical media to verify. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for word 1. These 8 characters are the reference code. Find the reference code in the following table.

6330C000 6330C000

Explanation: System log entry only, no service action required

Response: No action is required. This reference code is logged for information only.

6330C002 6330C002

Explanation: SCSI Selection or Reselection timeout occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6330C010 6330C010

Explanation: Undefined sense key returned by device

Failing Item:

- FI00870

6330C020 6330C020

Explanation: Configuration error

Failing Item:

- FI00870

6330C022 6330C022

Explanation: Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response: No action is required. This reference code is logged for information only.

Problem determination:

- If this device is a client virtual optical device
 1. If no function reduction exists, no action is required.
Note: Inaccuracies in media support reporting is not likely to cause a functional problem.
 2. Verify that the backing device on the server is varied on, operational, and not in exclusive use by another partition . Once these things are verified, IPL the virtual IOP on the client partition or vary the server partition's NWSD off and on.
 3. Ensure that the latest optical LIC PTFs have been applied to both the client and server partitions.
- If this device is NOT a client virtual optical device
 1. If no function reduction exists, no action is required.
 2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
 3. Ensure that the latest optical LIC PTFs have been applied.

6330C023 **6330C023**

Explanation: Unable to determine all device capabilities or device characteristics are not supported with the current LIC. Writes will be blocked for this device. If a write is attempted, the device will be marked failed.

Response: No action is required. This reference code is logged for information only.

Problem determination:

1. If the device doesn't support writing to media, no action is required.
2. If any enabling PTFs have been specified for this device feature, verify they have been applied.
3. This may be a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
4. Ensure that the latest optical LIC PTFs have been applied.

6330C100 **6330C100**

Explanation: SCSI Bus error occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6330C110 **6330C110**

Explanation: SCSI command timeout occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6330C210 **6330C210**

Explanation: Unexpected device condition

Response: The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6330C300 **6330C300**

Explanation: Media or device error occurred

Response: Perform the following:

1. Clean the disk.
2. Attempt the failing operation again.
3. If this does not correct the problem, exchange the failing items.

Failing Item:

- MEDIA
- FI00870

6330C301 **6330C301**

Explanation: Media or device error occurred

Response: Dust check encountered. The optical media or the optical lens of the drive is dirty.

Clean the optical drive and the media contained in the drive.

6330C302 **6330C302**

Explanation: Media or device error occurred

Response: The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6330C303 **6330C303**

Explanation: Media had an unknown format

Response: No action required. This reference code is logged for information only.

6330C332 **6330C332**

Explanation: Media or device error occurred

Response: The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6330C333 **6330C333**

Explanation: Incompatible media

Response: Perform the following:

1. Verify that the disk has a supported format.
2. If the format is supported, clean the disk and attempt the failing operation again.

3. If the operation fails again and results in the same reference code, ask your media source for a replacement disk.

Failing Item:

- MEDIA
- FI00870

6330C400 6330C400**Explanation:** Physical link error detected by device**Failing Item:**

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- FI01140
- FI01141

6330C402 6330C402**Explanation:** Licensed Internal Code error**Response:** Ask your next level of support for assistance.**Failing Item:**

- FI00130

6330CFF2 6330CFF2**Explanation:** Device not ready - Start Unit issued

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6330CFF4 6330CFF4**Explanation:** Internal device error occurred**Failing Item:**

- FI00870
- MEDIA

6330CFF6 6330CFF6**Explanation:** Device successfully recovered from a temporary error**Response:** No action is required. This reference code is logged for information only.

6330CFF7 6330CFF7**Explanation:** Recovered device error**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6330CFFE 6330CFFE**Explanation:** Recovered SCSI bus error**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6330FF09 6330FF09**Explanation:** Licensed Internal Code for optical device was not upgraded**Response:** This reference code is logged for information only.

6330FF3D 6330FF3D**Explanation:** Recovered IOA error**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6330FF6D 6330FF6D**Explanation:** Recovered SPD bus error**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

(6331) Reference codes

An optical storage unit failure occurred.

Notes:

1. If the system is available, use online diagnostic tests when possible.
2. Use the Hardware Service Manager (HSM) verify function (via DST or SST) and verify that the unit is operating correctly.
3. Search the problem log (WRKPRB) for a recent optical storage entry that might assist in analyzing the problem. The WRKPRB entry will provide a reference code that can be found in the following table.

If the system is available, attempt the failing operation again with an optical media that is known to be good. Does the operation complete successfully?

Yes: The original optical media may be defective, or the problem may be intermittent. Attempt the failing operation again with the original optical media to verify. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for word 1. These 8 characters are the reference code. Find the reference code in the following table.

6331C000 6331C000

Explanation: System log entry only, no service action required

Response: No action is required. This reference code is logged for information only.

6331C002 6331C002

Explanation: SCSI Selection or Reselection timeout occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6331C010 6331C010

Explanation: Undefined sense key returned by device

Failing Item:

- FI00870

6331C020 6331C020

Explanation: Configuration error

Failing Item:

- FI00870

6331C022 6331C022

Explanation: Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response: No action is required. This reference code is logged for information only.

Problem determination:

- If this device is a client virtual optical device
 1. If no function reduction exists, no action is required.

Note: Inaccuracies in media support reporting is not likely to cause a functional problem.
 2. Verify that the backing device on the server is varied on, operational, and not in exclusive use by another partition . Once these things are verified, IPL the virtual IOP on the client partition or vary the server partition's NWSD off and on.
 3. Ensure that the latest optical LIC PTFs have been applied to both the client and server partitions.
- If this device is NOT a client virtual optical device
 1. If no function reduction exists, no action is required.
 2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
 3. Ensure that the latest optical LIC PTFs have been applied.

6331C023 6331C023

Explanation: Unable to determine all device capabilities or device characteristics are not supported with the current LIC. Writes will be blocked for this device. If a write is attempted, the device will be marked failed.

Response: No action is required. This reference code is logged for information only.

Problem determination:

1. If the device doesn't support writing to media, no action is required.
2. If any enabling PTFs have been specified for this device feature, verify they have been applied.
3. This may be a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
4. Ensure that the latest optical LIC PTFs have been applied.

6331C100 6331C100

Explanation: SCSI Bus error occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6331C110 6331C110

Explanation: SCSI command timeout occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6331C210 6331C210

Explanation: Unexpected device condition

Response: The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

1176 System reference codes (1xxx - Axxx)

6331C300 6331C300

Explanation: Media or device error occurred

Response: Perform the following:

1. Clean the disk.
2. Attempt the failing operation again.
3. If this does not correct the problem, exchange the failing items.

Failing Item:

- MEDIA
- FI00870

6331C301 6331C301

Explanation: Media or device error occurred

Response: Dust check encountered. The optical media or the optical lens of the drive is dirty.

Clean the optical drive and the media contained in the drive.

6331C302 6331C302

Explanation: Media or device error occurred

Response: The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6331C303 6331C303

Explanation: Media had an unknown format

Response: No action required. This reference code is logged for information only.

6331C332 6331C332

Explanation: Media or device error occurred

Response: The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6331C333 6331C333

Explanation: Incompatible media

Response: Perform the following:

1. Verify that the disk has a supported format.
2. If the format is supported, clean the disk and attempt the failing operation again.

3. If the operation fails again and results in the same reference code, ask your media source for a replacement disk.

Failing Item:

- MEDIA
- FI00870

6331C400 6331C400

Explanation: Physical link error detected by device

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- FI01140
- FI01141

6331C402 6331C402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- FI00130

6331CFF2 6331CFF2

Explanation: Device not ready - Start Unit issued

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6331CFF4 6331CFF4

Explanation: Internal device error occurred

Failing Item:

- FI00870
- MEDIA

6331CFF6 6331CFF6

Explanation: Device successfully recovered from a temporary error

Response: No action is required. This reference code is logged for information only.

6331CFF7 6331CFF7

Explanation: Recovered device error

Response: The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6331CFFE 6331CFFE

Explanation: Recovered SCSI bus error

Response: The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6331FF09 6331FF09

Explanation: Licensed Internal Code for optical device was not upgraded

Response: This reference code is logged for information only.

6331FF3D 6331FF3D

Explanation: Recovered IOA error

Response: The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6331FF6D 6331FF6D

Explanation: Recovered SPD bus error

Response: The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

(6333) Reference codes

An optical storage unit failure occurred.

Notes:

1. If the system is available, use online diagnostic tests when possible.
2. Use the Hardware Service Manager (HSM) verify function (via DST or SST) and verify that the unit is operating correctly.
3. Search the problem log (WRKPRB) for a recent optical storage entry that might assist in analyzing the problem. The WRKPRB entry will provide a reference code that can be found in the following table.

If the system is available, attempt the failing operation again with an optical media that is known to be good. Does the operation complete successfully?

Yes: The original optical media may be defective, or the problem may be intermittent. Attempt the failing operation again with the original optical media to verify. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for word 1. These 8 characters are the reference code. Find the reference code in the following table.

6333C000 6333C000

Explanation: System log entry only, no service action required

Response: No action is required. This reference code is logged for information only.

6333C002 6333C002

Explanation: SCSI Selection or Reselection timeout occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6333C010 6333C010

Explanation: Undefined sense key returned by device

Failing Item:

- FI00870

6333C020 6333C020

Explanation: Configuration error

Failing Item:

- FI00870

6333C022 6333C022

Explanation: Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response: No action is required. This reference code is logged for information only.

Problem determination:

- If this device is a client virtual optical device
 1. If no function reduction exists, no action is required.

Note: Inaccuracies in media support reporting is not likely to cause a functional problem.
 2. Verify that the backing device on the server is varied on, operational, and not in exclusive use by another partition . Once these things are verified, IPL the virtual IOP on the client partition or vary the server partition's NWSD off and on.
 3. Ensure that the latest optical LIC PTFs have been applied to both the client and server partitions.
- If this device is NOT a client virtual optical device
 1. If no function reduction exists, no action is required.
 2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
 3. Ensure that the latest optical LIC PTFs have been applied.

6333C023 **6333C023**

Explanation: Unable to determine all device capabilities or device characteristics are not supported with the current LIC. Writes will be blocked for this device. If a write is attempted, the device will be marked failed.

Response: No action is required. This reference code is logged for information only.

Problem determination:

1. If the device doesn't support writing to media, no action is required.
2. If any enabling PTFs have been specified for this device feature, verify they have been applied.
3. This may be a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
4. Ensure that the latest optical LIC PTFs have been applied.

6333C100 **6333C100**

Explanation: SCSI Bus error occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6333C110 **6333C110**

Explanation: SCSI command timeout occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6333C210 **6333C210**

Explanation: Unexpected device condition

Response: The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6333C300 **6333C300**

Explanation: Media or device error occurred

Response: Perform the following:

1. Clean the disk.
2. Attempt the failing operation again.
3. If this does not correct the problem, exchange the failing items.

Failing Item:

- MEDIA
- FI00870

6333C301 **6333C301**

Explanation: Media or device error occurred

Response: Dust check encountered. The optical media or the optical lens of the drive is dirty.

Clean the optical drive and the media contained in the drive.

6333C302 **6333C302**

Explanation: Media or device error occurred

Response: The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6333C303 **6333C303**

Explanation: Media had an unknown format

Response: No action required. This reference code is logged for information only.

6333C332 **6333C332**

Explanation: Media or device error occurred

Response: The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6333C333 **6333C333**

Explanation: Incompatible media

Response: Perform the following:

1. Verify that the disk has a supported format.
2. If the format is supported, clean the disk and attempt the failing operation again.

3. If the operation fails again and results in the same reference code, ask your media source for a replacement disk.

Failing Item:

- MEDIA
- FI00870

6333C400 6333C400

Explanation: Physical link error detected by device

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- FI01140
- FI01141

6333C402 6333C402

Explanation: Licensed Internal Code error

Response: Ask your next level of support for assistance.

Failing Item:

- FI00130

6333CFF2 6333CFF2

Explanation: Device not ready - Start Unit issued

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6333CFF4 6333CFF4

Explanation: Internal device error occurred

Failing Item:

- FI00870
- MEDIA

6333CFF6 6333CFF6

Explanation: Device successfully recovered from a temporary error

Response: No action is required. This reference code is logged for information only.

6333CFF7 6333CFF7

Explanation: Recovered device error

Response: The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6333CFFE 6333CFFE

Explanation: Recovered SCSI bus error

Response: The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6333FF09 6333FF09

Explanation: Licensed Internal Code for optical device was not upgraded

Response: This reference code is logged for information only.

6333FF3D 6333FF3D

Explanation: Recovered IOA error

Response: The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6333FF6D 6333FF6D

Explanation: Recovered SPD bus error

Response: The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

(6336) Reference codes

An optical storage unit failure occurred.

Notes:

1. If the system is available, use online diagnostic tests when possible.
2. Use the Hardware Service Manager (HSM) verify function (via DST or SST) and verify that the unit is operating correctly.
3. Search the problem log (WRKPRB) for a recent optical storage entry that might assist in analyzing the problem. The WRKPRB entry will provide a reference code that can be found in the following table.

If the system is available, attempt the failing operation again with an optical media that is known to be good. Does the operation complete successfully?

Yes: The original optical media may be defective, or the problem may be intermittent. Attempt the failing operation again with the original optical media to verify. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for word 1. These 8 characters are the reference code. Find the reference code in the following table.

6336C000 6336C000

Explanation: System log entry only, no service action required

Response: No action is required. This reference code is logged for information only.

6336C002 6336C002

Explanation: SCSI Selection or Reselection timeout occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6336C010 6336C010

Explanation: Undefined sense key returned by device

Failing Item:

- FI00870

6336C020 6336C020

Explanation: Configuration error

Failing Item:

- FI00870

6336C022 6336C022

Explanation: Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response: No action is required. This reference code is logged for information only.

Problem determination:

- If this device is a client virtual optical device
 1. If no function reduction exists, no action is required.

Note: Inaccuracies in media support reporting is not likely to cause a functional problem.
 2. Verify that the backing device on the server is varied on, operational, and not in exclusive use by another partition . Once these things are verified, IPL the virtual IOP on the client partition or vary the server partition's NWSD off and on.
 3. Ensure that the latest optical LIC PTFs have been applied to both the client and server partitions.
- If this device is NOT a client virtual optical device
 1. If no function reduction exists, no action is required.
 2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
 3. Ensure that the latest optical LIC PTFs have been applied.

6336C023 **6336C023**

Explanation: Unable to determine all device capabilities or device characteristics are not supported with the current LIC. Writes will be blocked for this device. If a write is attempted, the device will be marked failed.

Response: No action is required. This reference code is logged for information only.

Problem determination:

1. If the device doesn't support writing to media, no action is required.
2. If any enabling PTFs have been specified for this device feature, verify they have been applied.
3. This may be a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
4. Ensure that the latest optical LIC PTFs have been applied.

6336C100 **6336C100**

Explanation: SCSI Bus error occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6336C110 **6336C110**

Explanation: SCSI command timeout occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6336C210 **6336C210**

Explanation: Unexpected device condition

Response: The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

1184 System reference codes (1xxx - Axxx)

6336C300 **6336C300**

Explanation: Media or device error occurred

Response: Perform the following:

1. Clean the disk.
2. Attempt the failing operation again.
3. If this does not correct the problem, exchange the failing items.

Failing Item:

- MEDIA
- FI00870

6336C301 **6336C301**

Explanation: Media or device error occurred

Response: Dust check encountered. The optical media or the optical lens of the drive is dirty.

Clean the optical drive and the media contained in the drive.

6336C302 **6336C302**

Explanation: Media or device error occurred

Response: The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6336C303 **6336C303**

Explanation: Media had an unknown format

Response: No action required. This reference code is logged for information only.

6336C332 **6336C332**

Explanation: Media or device error occurred

Response: The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6336C333 **6336C333**

Explanation: Incompatible media

Response: Perform the following:

1. Verify that the disk has a supported format.
2. If the format is supported, clean the disk and attempt the failing operation again.

3. If the operation fails again and results in the same reference code, ask your media source for a replacement disk.

Failing Item:

- MEDIA
- FI00870

6336C400 6336C400**Explanation:** Physical link error detected by device**Failing Item:**

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- FI01140
- FI01141

6336C402 6336C402**Explanation:** Licensed Internal Code error**Response:** Ask your next level of support for assistance.**Failing Item:**

- FI00130

6336CFF2 6336CFF2**Explanation:** Device not ready - Start Unit issued

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6336CFF4 6336CFF4**Explanation:** Internal device error occurred**Failing Item:**

- FI00870
- MEDIA

6336CFF6 6336CFF6**Explanation:** Device successfully recovered from a temporary error**Response:** No action is required. This reference code is logged for information only.

6336CFF7 6336CFF7**Explanation:** Recovered device error**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6336CFFE 6336CFFE**Explanation:** Recovered SCSI bus error**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6336FF09 6336FF09**Explanation:** Licensed Internal Code for optical device was not upgraded**Response:** This reference code is logged for information only.

6336FF3D 6336FF3D**Explanation:** Recovered IOA error**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6336FF6D 6336FF6D**Explanation:** Recovered SPD bus error**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

(6337) Reference codes

An optical storage unit failure occurred.

Notes:

1. If the system is available, use online diagnostic tests when possible.
2. Use the Hardware Service Manager (HSM) verify function (via DST or SST) and verify that the unit is operating correctly.
3. Search the problem log (WRKPRB) for a recent optical storage entry that might assist in analyzing the problem. The WRKPRB entry will provide a reference code that can be found in the following table.

If the system is available, attempt the failing operation again with an optical media that is known to be good. Does the operation complete successfully?

Yes: The original optical media may be defective, or the problem may be intermittent. Attempt the failing operation again with the original optical media to verify. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for word 1. These 8 characters are the reference code. Find the reference code in the following table.

6337C000 6337C000

Explanation: System log entry only, no service action required

Response: No action is required. This reference code is logged for information only.

6337C002 6337C002

Explanation: SCSI Selection or Reselection timeout occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6337C010 6337C010

Explanation: Undefined sense key returned by device

Failing Item:

- FI00870

6337C020 6337C020

Explanation: Configuration error

Failing Item:

- FI00870

6337C022 6337C022

Explanation: Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response: No action is required. This reference code is logged for information only.

Problem determination:

- If this device is a client virtual optical device
 1. If no function reduction exists, no action is required.
Note: Inaccuracies in media support reporting is not likely to cause a functional problem.
 2. Verify that the backing device on the server is varied on, operational, and not in exclusive use by another partition . Once these things are verified, IPL the virtual IOP on the client partition or vary the server partition's NWSD off and on.
 3. Ensure that the latest optical LIC PTFs have been applied to both the client and server partitions.
- If this device is NOT a client virtual optical device
 1. If no function reduction exists, no action is required.
 2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
 3. Ensure that the latest optical LIC PTFs have been applied.

6337C023 **6337C023**

Explanation: Unable to determine all device capabilities or device characteristics are not supported with the current LIC. Writes will be blocked for this device. If a write is attempted, the device will be marked failed.

Response: No action is required. This reference code is logged for information only.

Problem determination:

1. If the device doesn't support writing to media, no action is required.
2. If any enabling PTFs have been specified for this device feature, verify they have been applied.
3. This may be a secondary error. Other PAL entries logged at approximately the same time as this one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)
4. Ensure that the latest optical LIC PTFs have been applied.

6337C100 **6337C100**

Explanation: SCSI Bus error occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6337C110 **6337C110**

Explanation: SCSI command timeout occurred

Failing Item:

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- MEDIA
- FI01141
- FI01140

6337C210 **6337C210**

Explanation: Unexpected device condition

Response: The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

1188 System reference codes (1xxx - Axxx)

6337C300 **6337C300**

Explanation: Media or device error occurred

Response: Perform the following:

1. Clean the disk.
2. Attempt the failing operation again.
3. If this does not correct the problem, exchange the failing items.

Failing Item:

- MEDIA
- FI00870

6337C301 **6337C301**

Explanation: Media or device error occurred

Response: Dust check encountered. The optical media or the optical lens of the drive is dirty.

Clean the optical drive and the media contained in the drive.

6337C302 **6337C302**

Explanation: Media or device error occurred

Response: The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6337C303 **6337C303**

Explanation: Media had an unknown format

Response: No action required. This reference code is logged for information only.

6337C332 **6337C332**

Explanation: Media or device error occurred

Response: The device encountered an 'out of spare sectors' condition when writing to the media. The media can no longer be written to but is still readable.

Clean the optical drive and the media contained in the drive.

6337C333 **6337C333**

Explanation: Incompatible media

Response: Perform the following:

1. Verify that the disk has a supported format.
2. If the format is supported, clean the disk and attempt the failing operation again.

3. If the operation fails again and results in the same reference code, ask your media source for a replacement disk.

Failing Item:

- MEDIA
- FI00870

6337C400 6337C400**Explanation:** Physical link error detected by device**Failing Item:**

- FI00870
- CNVTCRD
- FI01106
- STORIOA
- FI01140
- FI01141

6337C402 6337C402**Explanation:** Licensed Internal Code error**Response:** Ask your next level of support for assistance.**Failing Item:**

- FI00130

6337CFF2 6337CFF2**Explanation:** Device not ready - Start Unit issued

The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6337CFF4 6337CFF4**Explanation:** Internal device error occurred**Failing Item:**

- FI00870
- MEDIA

6337CFF6 6337CFF6**Explanation:** Device successfully recovered from a temporary error**Response:** No action is required. This reference code is logged for information only.

6337CFF7 6337CFF7**Explanation:** Recovered device error**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6337CFFE 6337CFFE**Explanation:** Recovered SCSI bus error**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6337FF09 6337FF09**Explanation:** Licensed Internal Code for optical device was not upgraded**Response:** This reference code is logged for information only.

6337FF3D 6337FF3D**Explanation:** Recovered IOA error**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

6337FF6D 6337FF6D**Explanation:** Recovered SPD bus error**Response:** The device successfully recovered from a temporary error.

No action is required. This reference code is logged for information only.

(6382) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

63823000 63823000

Explanation: I/O adapter hardware error detected

Failing Item:

- FI01112

63823202 63823202

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item:

- TAPCNFG
- FI00871

63823400 63823400

Explanation: Device error has occurred

Failing Item:

- FI00872
- DEVTERM
- FI00871
- FI01103
- FI01106

63829020 63829020

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the

following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.

Failing Item:

- TAPCNFG
- FI00871
- PTFSRCH

63829100 63829100

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63829101 63829101

Explanation: Fibre Channel interface error detected

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FCIOA
- FCDEV
- FCCABLE

63829102 63829102

Explanation: Gateway device detected a SCSI interface error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FI00871
- FCGATE
- FI00872
- DEVTERM

63829103 63829103

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- SASCABL

63829104 63829104

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- USB_DEV
- USB_IOA
- USB_CBL

63829200 63829200

Explanation: Tape unit is not responding

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63829201 63829201

Explanation: Tape unit command timeout

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM
- MEDIA

63829202 63829202

Explanation: Tape unit failed after Licensed Internal Code was loaded

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63829210 63829210

Explanation: Illegal or unsupported tape unit response

Failing Item:

- FI00871
- FI01112
- PTFSRCH

63829211 63829211

Explanation: Gateway device detected a bus protocol error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE
- FCIOA
- FI00871
- ANYFC
- FCCABLE
- FI00872

- DEVTERM

63829220 63829220

Explanation: Hardware configuration change detected

Response: The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

63829300 63829300

Explanation: Tape unit failure

Failing Item:

- FI00871

63829301 63829301

Explanation: Tape device failure, redundancy lost

Response: The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item:

- FI00871

63829302 63829302

Explanation: Tape device failure or media error

Response: The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item:

- MEDIA
- FI00871

63829303 63829303

Explanation: Gateway device failure

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE

63829304 63829304

Explanation: Tape unit failure

Response: Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.

2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item:

- USER
- FI00871

63829310 63829310

Explanation: Licensed Internal Code for the tape unit is not correct

Failing Item:

- PTFSRCH
- FI00871

63829320 63829320

Explanation: Tape device Licensed Internal Code failure

Failing Item:

- FI00130
- FI00871

63829321 63829321

Explanation: Gateway device Licensed Internal Code error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCCODE

63829350 63829350

Explanation: Tape unit detected a read or write error on tape medium

Response: A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

63829351 63829351

Explanation: Tape with excessive error rate was mounted in tape device.

Response: The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

63829355 63829355

Explanation: The data format is incorrect; the tape cannot be read

Response: The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item:

- USER
- MEDIA
- TAPCLN
- FI00871

63829500 63829500

Explanation: Licensed Internal Code error

Response: If the system is operational, perform a dump of the I/O processor data.

Failing Item:

- PTFSRCH

63829501 63829501

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

63829800 63829800

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63829801 63829801

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63829802 63829802

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63829803 63829803

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63829804 63829804

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63829805 63829805

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63829806 63829806

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63829810 63829810

Explanation: Problem analysis has determined a part should be replaced.

Response: This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only)

63829899 63829899

Explanation: Problem analysis completed, the problem has been corrected.

Response: This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

63829900 63829900

Explanation: Licensed Internal Code for tape unit was not upgraded

Response: The I/O processor loading of Licensed

Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform TUIPI04 to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item:

- USER
-

63829901 63829901

Explanation: Tape performance statistics logged

Response: No action required. This reference code is logged for information only.

63829902 63829902

Explanation: An IOP dump was initiated

Response: No action required.

63829903 63829903

Explanation: Tape device information logged

Response: No action required. This reference code is logged for information only.

6382FFF6 6382FFF6

Explanation: Tape volume statistics logged (no action required)

(6383) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

63833000 63833000

Explanation: I/O adapter hardware error detected

Failing Item:

- FI01112

63833202 63833202

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item:

- TAPCNFG
- FI00871

63833400 63833400

Explanation: Device error has occurred

Failing Item:

- FI00872
- DEVTERM
- FI00871
- FI01103
- FI01106

63839020 63839020

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the

following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.

Failing Item:

- TAPCNFG
- FI00871
- PTFSRCH

63839100 63839100

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63839101 63839101

Explanation: Fibre Channel interface error detected

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FCIOA
- FCDEV
- FCCABLE

63839102 63839102

Explanation: Gateway device detected a SCSI interface error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FI00871
- FCGATE
- FI00872
- DEVTERM

63839103 63839103

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- SASCABL

63839104 63839104

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- USB_DEV
- USB_IOA
- USB_CBL

63839200 63839200

Explanation: Tape unit is not responding

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63839201 63839201

Explanation: Tape unit command timeout

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM
- MEDIA

63839202 63839202

Explanation: Tape unit failed after Licensed Internal Code was loaded

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63839210 63839210

Explanation: Illegal or unsupported tape unit response

Failing Item:

- FI00871
- FI01112
- PTFSRCH

63839211 63839211

Explanation: Gateway device detected a bus protocol error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE
- FCIOA
- FI00871
- ANYFC
- FCCABLE
- FI00872

- DEVTERM

63839220 63839220

Explanation: Hardware configuration change detected

Response: The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

63839300 63839300

Explanation: Tape unit failure

Failing Item:

- FI00871

63839301 63839301

Explanation: Tape device failure, redundancy lost

Response: The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item:

- FI00871

63839302 63839302

Explanation: Tape device failure or media error

Response: The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item:

- MEDIA
- FI00871

63839303 63839303

Explanation: Gateway device failure

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE

63839304 63839304

Explanation: Tape unit failure

Response: Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.

2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item:

- USER
- FI00871

63839310 63839310

Explanation: Licensed Internal Code for the tape unit is not correct

Failing Item:

- PTFSRCH
- FI00871

63839320 63839320

Explanation: Tape device Licensed Internal Code failure

Failing Item:

- FI00130
- FI00871

63839321 63839321

Explanation: Gateway device Licensed Internal Code error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCCODE

63839350 63839350

Explanation: Tape unit detected a read or write error on tape medium

Response: A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

63839351 63839351

Explanation: Tape with excessive error rate was mounted in tape device.

Response: The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

63839355 63839355

Explanation: The data format is incorrect; the tape cannot be read

Response: The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item:

- USER
- MEDIA
- TAPCLN
- FI00871

63839500 63839500

Explanation: Licensed Internal Code error

Response: If the system is operational, perform a dump of the I/O processor data.

Failing Item:

- PTFSRCH

63839501 63839501

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

63839800 63839800

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63839801 63839801

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63839802 63839802

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63839803 63839803

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63839804 63839804

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63839805 63839805

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63839806 63839806

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63839810 63839810

Explanation: Problem analysis has determined a part should be replaced.

Response: This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only)

63839899 63839899

Explanation: Problem analysis completed, the problem has been corrected.

Response: This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

63839900 63839900

Explanation: Licensed Internal Code for tape unit was not upgraded

Response: The I/O processor loading of Licensed

Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform TUIPI04 to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item:

- USER
-

63839901 63839901

Explanation: Tape performance statistics logged

Response: No action required. This reference code is logged for information only.

63839902 63839902

Explanation: An IOP dump was initiated

Response: No action required.

63839903 63839903

Explanation: Tape device information logged

Response: No action required. This reference code is logged for information only.

6383FFF6 6383FFF6

Explanation: Tape volume statistics logged (no action required)

(6384) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

63843000 63843000

Explanation: I/O adapter hardware error detected

Failing Item:

- FI01112

63843202 63843202

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item:

- TAPCNFG
- FI00871

63843400 63843400

Explanation: Device error has occurred

Failing Item:

- FI00872
- DEVTERM
- FI00871
- FI01103
- FI01106

63849020 63849020

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the

following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.

Failing Item:

- TAPCNFG
- FI00871
- PTFSRCH

63849100 63849100

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63849101 63849101

Explanation: Fibre Channel interface error detected

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FCIOA
- FCDEV
- FCCABLE

63849102 63849102

Explanation: Gateway device detected a SCSI interface error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FI00871
- FCGATE
- FI00872
- DEVTERM

63849103 63849103

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- SASCABL

63849104 63849104

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- USB_DEV
- USB_IOA
- USB_CBL

63849200 63849200

Explanation: Tape unit is not responding

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63849201 63849201

Explanation: Tape unit command timeout

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM
- MEDIA

63849202 63849202

Explanation: Tape unit failed after Licensed Internal Code was loaded

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63849210 63849210

Explanation: Illegal or unsupported tape unit response

Failing Item:

- FI00871
- FI01112
- PTFSRCH

63849211 63849211

Explanation: Gateway device detected a bus protocol error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE
- FCIOA
- FI00871
- ANYFC
- FCCABLE
- FI00872

- DEVTERM

63849220 63849220

Explanation: Hardware configuration change detected

Response: The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

63849300 63849300

Explanation: Tape unit failure

Failing Item:

- FI00871

63849301 63849301

Explanation: Tape device failure, redundancy lost

Response: The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item:

- FI00871

63849302 63849302

Explanation: Tape device failure or media error

Response: The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item:

- MEDIA
- FI00871

63849303 63849303

Explanation: Gateway device failure

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE

63849304 63849304

Explanation: Tape unit failure

Response: Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.

2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item:

- USER
- FI00871

63849310 63849310

Explanation: Licensed Internal Code for the tape unit is not correct

Failing Item:

- PTFSRCH
- FI00871

63849320 63849320

Explanation: Tape device Licensed Internal Code failure

Failing Item:

- FI00130
- FI00871

63849321 63849321

Explanation: Gateway device Licensed Internal Code error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCCODE

63849350 63849350

Explanation: Tape unit detected a read or write error on tape medium

Response: A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

63849351 63849351

Explanation: Tape with excessive error rate was mounted in tape device.

Response: The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

63849355 63849355

Explanation: The data format is incorrect; the tape cannot be read

Response: The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item:

- USER
- MEDIA
- TAPCLN
- FI00871

63849500 63849500

Explanation: Licensed Internal Code error

Response: If the system is operational, perform a dump of the I/O processor data.

Failing Item:

- PTFSRCH

63849501 63849501

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

63849800 63849800

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63849801 63849801

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63849802 63849802

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63849803 63849803

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63849804 63849804

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63849805 63849805

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63849806 63849806

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63849810 63849810

Explanation: Problem analysis has determined a part should be replaced.

Response: This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only)

63849899 63849899

Explanation: Problem analysis completed, the problem has been corrected.

Response: This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

63849900 63849900

Explanation: Licensed Internal Code for tape unit was not upgraded

Response: The I/O processor loading of Licensed

Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform TUIPI04 to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item:

- USER
-

63849901 63849901

Explanation: Tape performance statistics logged

Response: No action required. This reference code is logged for information only.

63849902 63849902

Explanation: An IOP dump was initiated

Response: No action required.

63849903 63849903

Explanation: Tape device information logged

Response: No action required. This reference code is logged for information only.

6384FFF6 6384FFF6

Explanation: Tape volume statistics logged (no action required)

(6386) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

63863000 63863000

Explanation: I/O adapter hardware error detected

Failing Item:

- FI01112

63863202 63863202

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item:

- TAPCNFG
- FI00871

63863400 63863400

Explanation: Device error has occurred

Failing Item:

- FI00872
- DEVTERM
- FI00871
- FI01103
- FI01106

63869020 63869020

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the

following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.

Failing Item:

- TAPCNFG
- FI00871
- PTFSRCH

63869100 63869100

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63869101 63869101

Explanation: Fibre Channel interface error detected

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FCIOA
- FCDEV
- FCCABLE

63869102 63869102

Explanation: Gateway device detected a SCSI interface error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FI00871
- FCGATE
- FI00872
- DEVTERM

63869103 63869103

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- SASCABL

63869104 63869104

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- USB_DEV
- USB_IOA
- USB_CBL

63869200 63869200

Explanation: Tape unit is not responding

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63869201 63869201

Explanation: Tape unit command timeout

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM
- MEDIA

63869202 63869202

Explanation: Tape unit failed after Licensed Internal Code was loaded

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63869210 63869210

Explanation: Illegal or unsupported tape unit response

Failing Item:

- FI00871
- FI01112
- PTFSRCH

63869211 63869211

Explanation: Gateway device detected a bus protocol error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE
- FCIOA
- FI00871
- ANYFC
- FCCABLE
- FI00872

- DEVTERM

63869220 63869220

Explanation: Hardware configuration change detected

Response: The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

63869300 63869300

Explanation: Tape unit failure

Failing Item:

- FI00871

63869301 63869301

Explanation: Tape device failure, redundancy lost

Response: The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item:

- FI00871

63869302 63869302

Explanation: Tape device failure or media error

Response: The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item:

- MEDIA
- FI00871

63869303 63869303

Explanation: Gateway device failure

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE

63869304 63869304

Explanation: Tape unit failure

Response: Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.

2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item:

- USER
- FI00871

63869310 63869310

Explanation: Licensed Internal Code for the tape unit is not correct

Failing Item:

- PTFSRCH
- FI00871

63869320 63869320

Explanation: Tape device Licensed Internal Code failure

Failing Item:

- FI00130
- FI00871

63869321 63869321

Explanation: Gateway device Licensed Internal Code error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCCODE

63869350 63869350

Explanation: Tape unit detected a read or write error on tape medium

Response: A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

63869351 63869351

Explanation: Tape with excessive error rate was mounted in tape device.

Response: The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

63869355 63869355

Explanation: The data format is incorrect; the tape cannot be read

Response: The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item:

- USER
- MEDIA
- TAPCLN
- FI00871

63869500 63869500

Explanation: Licensed Internal Code error

Response: If the system is operational, perform a dump of the I/O processor data.

Failing Item:

- PTFSRCH

63869501 63869501

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

63869800 63869800

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63869801 63869801

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63869802 63869802

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63869803 63869803

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63869804 63869804

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63869805 63869805

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63869806 63869806

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63869810 63869810

Explanation: Problem analysis has determined a part should be replaced.

Response: This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only)

63869899 63869899

Explanation: Problem analysis completed, the problem has been corrected.

Response: This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

63869900 63869900

Explanation: Licensed Internal Code for tape unit was not upgraded

Response: The I/O processor loading of Licensed

Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform TUIPI04 to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item:

- USER
-

63869901 63869901

Explanation: Tape performance statistics logged

Response: No action required. This reference code is logged for information only.

63869902 63869902

Explanation: An IOP dump was initiated

Response: No action required.

63869903 63869903

Explanation: Tape device information logged

Response: No action required. This reference code is logged for information only.

6386FFF6 6386FFF6

Explanation: Tape volume statistics logged (no action required)

(6387) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

63873000 63873000

Explanation: I/O adapter hardware error detected

Failing Item:

- FI01112

63873202 63873202

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item:

- TAPCNFG
- FI00871

63873400 63873400

Explanation: Device error has occurred

Failing Item:

- FI00872
- DEVTERM
- FI00871
- FI01103
- FI01106

63879020 63879020

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the

following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.

Failing Item:

- TAPCNFG
- FI00871
- PTFSRCH

63879100 63879100

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63879101 63879101

Explanation: Fibre Channel interface error detected

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FCIOA
- FCDEV
- FCCABLE

63879102 63879102

Explanation: Gateway device detected a SCSI interface error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FI00871
- FCGATE
- FI00872
- DEVTERM

63879103 63879103

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- SASCABL

63879104 63879104

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- USB_DEV
- USB_IOA
- USB_CBL

63879200 63879200

Explanation: Tape unit is not responding

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63879201 63879201

Explanation: Tape unit command timeout

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM
- MEDIA

63879202 63879202

Explanation: Tape unit failed after Licensed Internal Code was loaded

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63879210 63879210

Explanation: Illegal or unsupported tape unit response

Failing Item:

- FI00871
- FI01112
- PTFSRCH

63879211 63879211

Explanation: Gateway device detected a bus protocol error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE
- FCIOA
- FI00871
- ANYFC
- FCCABLE
- FI00872

- DEVTERM

63879220 63879220

Explanation: Hardware configuration change detected

Response: The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

63879300 63879300

Explanation: Tape unit failure

Failing Item:

- FI00871

63879301 63879301

Explanation: Tape device failure, redundancy lost

Response: The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item:

- FI00871

63879302 63879302

Explanation: Tape device failure or media error

Response: The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item:

- MEDIA
- FI00871

63879303 63879303

Explanation: Gateway device failure

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE

63879304 63879304

Explanation: Tape unit failure

Response: Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.

2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item:

- USER
- FI00871

63879310 63879310

Explanation: Licensed Internal Code for the tape unit is not correct

Failing Item:

- PTFSRCH
- FI00871

63879320 63879320

Explanation: Tape device Licensed Internal Code failure

Failing Item:

- FI00130
- FI00871

63879321 63879321

Explanation: Gateway device Licensed Internal Code error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCCODE

63879350 63879350

Explanation: Tape unit detected a read or write error on tape medium

Response: A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

63879351 63879351

Explanation: Tape with excessive error rate was mounted in tape device.

Response: The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

63879355 63879355

Explanation: The data format is incorrect; the tape cannot be read

Response: The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item:

- USER
- MEDIA
- TAPCLN
- FI00871

63879500 63879500

Explanation: Licensed Internal Code error

Response: If the system is operational, perform a dump of the I/O processor data.

Failing Item:

- PTFSRCH

63879501 63879501

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

63879800 63879800

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63879801 63879801

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63879802 63879802

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63879803 63879803

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63879804 63879804

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63879805 63879805

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63879806 63879806

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63879810 63879810

Explanation: Problem analysis has determined a part should be replaced.

Response: This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only)

63879899 63879899

Explanation: Problem analysis completed, the problem has been corrected.

Response: This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

63879900 63879900

Explanation: Licensed Internal Code for tape unit was not upgraded

Response: The I/O processor loading of Licensed

Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform TUIPI04 to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item:

- USER
-

63879901 63879901

Explanation: Tape performance statistics logged

Response: No action required. This reference code is logged for information only.

63879902 63879902

Explanation: An IOP dump was initiated

Response: No action required.

63879903 63879903

Explanation: Tape device information logged

Response: No action required. This reference code is logged for information only.

6387FFF6 6387FFF6

Explanation: Tape volume statistics logged (no action required)

(63A0) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

63A03000 **63A03000**

Explanation: I/O adapter hardware error detected

Failing Item:

- FI01112

63A03202 **63A03202**

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item:

- TAPCNFG
- FI00871

63A03400 **63A03400**

Explanation: Device error has occurred

Failing Item:

- FI00872
- DEVTERM
- FI00871
- FI01103
- FI01106

63A09020 **63A09020**

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the

following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.

Failing Item:

- TAPCNFG
- FI00871
- PTFSRCH

63A09100 **63A09100**

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63A09101 **63A09101**

Explanation: Fibre Channel interface error detected

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FCIOA
- FCDEV
- FCCABLE

63A09102 63A09102

Explanation: Gateway device detected a SCSI interface error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FI00871
- FCGATE
- FI00872
- DEVTERM

63A09103 63A09103

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- SASCABL

63A09104 63A09104

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- USB_DEV
- USB_IOA
- USB_CBL

63A09200 63A09200

Explanation: Tape unit is not responding

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63A09201 63A09201

Explanation: Tape unit command timeout

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM
- MEDIA

63A09202 63A09202

Explanation: Tape unit failed after Licensed Internal Code was loaded

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63A09210 63A09210

Explanation: Illegal or unsupported tape unit response

Failing Item:

- FI00871
- FI01112
- PTFSRCH

63A09211 63A09211

Explanation: Gateway device detected a bus protocol error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE
- FCIOA
- FI00871
- ANYFC
- FCCABLE
- FI00872

- DEVTERM

63A09220 63A09220

Explanation: Hardware configuration change detected

Response: The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

63A09300 63A09300

Explanation: Tape unit failure

Failing Item:

- FI00871

63A09301 63A09301

Explanation: Tape device failure, redundancy lost

Response: The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item:

- FI00871

63A09302 63A09302

Explanation: Tape device failure or media error

Response: The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item:

- MEDIA
- FI00871

63A09303 63A09303

Explanation: Gateway device failure

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE

63A09304 63A09304

Explanation: Tape unit failure

Response: Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.

63A09310 • 63A09801

2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item:

- USER
- FI00871

63A09310 63A09310

Explanation: Licensed Internal Code for the tape unit is not correct

Failing Item:

- PTFSRCH
- FI00871

63A09320 63A09320

Explanation: Tape device Licensed Internal Code failure

Failing Item:

- FI00130
- FI00871

63A09321 63A09321

Explanation: Gateway device Licensed Internal Code error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCCODE

63A09350 63A09350

Explanation: Tape unit detected a read or write error on tape medium

Response: A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

63A09351 63A09351

Explanation: Tape with excessive error rate was mounted in tape device.

Response: The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

63A09355 63A09355

Explanation: The data format is incorrect; the tape cannot be read

Response: The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item:

- USER
- MEDIA
- TAPCLN
- FI00871

63A09500 63A09500

Explanation: Licensed Internal Code error

Response: If the system is operational, perform a dump of the I/O processor data.

Failing Item:

- PTFSRCH

63A09501 63A09501

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

63A09800 63A09800

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63A09801 63A09801

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63A09802 63A09802

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63A09803 63A09803

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63A09804 63A09804

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63A09805 63A09805

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63A09806 63A09806

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63A09810 63A09810

Explanation: Problem analysis has determined a part should be replaced.

Response: This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only)

63A09899 63A09899

Explanation: Problem analysis completed, the problem has been corrected.

Response: This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

63A09900 63A09900

Explanation: Licensed Internal Code for tape unit was not upgraded

Response: The I/O processor loading of Licensed

Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform TUIPI04 to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item:

- USER
-

63A09901 63A09901

Explanation: Tape performance statistics logged

Response: No action required. This reference code is logged for information only.

63A09902 63A09902

Explanation: An IOP dump was initiated

Response: No action required.

63A09903 63A09903

Explanation: Tape device information logged

Response: No action required. This reference code is logged for information only.

63A0FFF6 63A0FFF6

Explanation: Tape volume statistics logged (no action required)

(63A1) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

63A13000 **63A13000**

Explanation: I/O adapter hardware error detected

Failing Item:

- FI01112

63A13202 **63A13202**

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item:

- TAPCNFG
- FI00871

63A13400 **63A13400**

Explanation: Device error has occurred

Failing Item:

- FI00872
- DEVTERM
- FI00871
- FI01103
- FI01106

63A19020 **63A19020**

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the

following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.

Failing Item:

- TAPCNFG
- FI00871
- PTFSRCH

63A19100 **63A19100**

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63A19101 **63A19101**

63A19102 • 63A19201

Explanation: Fibre Channel interface error detected

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FCIOA
- FCDEV
- FCCABLE

63A19102 63A19102

Explanation: Gateway device detected a SCSI interface error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FI00871
- FCGATE
- FI00872
- DEVTERM

63A19103 63A19103

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- SASCABL

63A19104 63A19104

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- USB_DEV
- USB_IOA
- USB_CBL

63A19200 63A19200

Explanation: Tape unit is not responding

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63A19201 63A19201

Explanation: Tape unit command timeout

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM
- MEDIA

63A19202 63A19202

Explanation: Tape unit failed after Licensed Internal Code was loaded

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

63A19210 63A19210

Explanation: Illegal or unsupported tape unit response

Failing Item:

- FI00871
- FI01112
- PTFSRCH

63A19211 63A19211

Explanation: Gateway device detected a bus protocol error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE
- FCIOA
- FI00871
- ANYFC
- FCCABLE
- FI00872

- DEVTERM

63A19220 63A19220

Explanation: Hardware configuration change detected

Response: The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

63A19300 63A19300

Explanation: Tape unit failure

Failing Item:

- FI00871

63A19301 63A19301

Explanation: Tape device failure, redundancy lost

Response: The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item:

- FI00871

63A19302 63A19302

Explanation: Tape device failure or media error

Response: The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item:

- MEDIA
- FI00871

63A19303 63A19303

Explanation: Gateway device failure

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE

63A19304 63A19304

Explanation: Tape unit failure

Response: Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.

63A19310 • 63A19801

2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item:

- USER
- FI00871

63A19310 63A19310

Explanation: Licensed Internal Code for the tape unit is not correct

Failing Item:

- PTFSRCH
- FI00871

63A19320 63A19320

Explanation: Tape device Licensed Internal Code failure

Failing Item:

- FI00130
- FI00871

63A19321 63A19321

Explanation: Gateway device Licensed Internal Code error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCCODE

63A19350 63A19350

Explanation: Tape unit detected a read or write error on tape medium

Response: A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

63A19351 63A19351

Explanation: Tape with excessive error rate was mounted in tape device.

Response: The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

63A19355 63A19355

Explanation: The data format is incorrect; the tape cannot be read

Response: The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item:

- USER
- MEDIA
- TAPCLN
- FI00871

63A19500 63A19500

Explanation: Licensed Internal Code error

Response: If the system is operational, perform a dump of the I/O processor data.

Failing Item:

- PTFSRCH

63A19501 63A19501

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

63A19800 63A19800

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63A19801 63A19801

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63A19802 63A19802

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63A19803 63A19803

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63A19804 63A19804

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63A19805 63A19805

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63A19806 63A19806

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

63A19810 63A19810

Explanation: Problem analysis has determined a part should be replaced.

Response: This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only)

63A19899 63A19899

Explanation: Problem analysis completed, the problem has been corrected.

Response: This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

63A19900 63A19900

Explanation: Licensed Internal Code for tape unit was not upgraded

Response: The I/O processor loading of Licensed

Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform TUIPI04 to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item:

- USER
-

63A19901 63A19901

Explanation: Tape performance statistics logged

Response: No action required. This reference code is logged for information only.

63A19902 63A19902

Explanation: An IOP dump was initiated

Response: No action required.

63A19903 63A19903

Explanation: Tape device information logged

Response: No action required. This reference code is logged for information only.

63A1FFF6 63A1FFF6

Explanation: Tape volume statistics logged (no action required)

(63B8) Reference codes

63B83202 63B83202

Explanation: Unsupported device or storage dock.

Failing Item:

- STGDOCK

63B8C000 63B8C000

Explanation: This event is informational only. No service required.

63B8C002 63B8C002

Explanation: Selection time-out, device not there or not responding.

Failing Item:

- SVCDOCS

63B8C020 63B8C020

Explanation: Configuration error.

Failing Item:

- SVCDOCS

63B8C022 63B8C022

Explanation: Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response: No action is required. This reference code is logged for information only.

Problem determination:

- If this device is a client virtual optical device
 1. If no function reduction exists, no action is required.

Note: Inaccuracies in media support reporting is not likely to cause a functional problem.
 2. Verify that the backing device on the server is varied on, operational, and not in exclusive use by another partition . Once these things are verified, IPL the virtual IOP on the client partition or vary the server partition's NWSO off and on.
 3. Ensure that the latest optical LIC PTFs have been applied to both the client and server partitions.
- If this device is NOT a client virtual optical device
 1. If no function reduction exists, no action is required.
 2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this

one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)

3. Ensure that the latest optical LIC PTFs have been applied.

63B8C100 63B8C100

Explanation: Bus error reported by device or the device unexpectedly reset.

Failing Item:

- STGDOCK

63B8C210 63B8C210

Explanation: Unexpected device condition.

Failing Item:

- STGCART
- STGDOCK

63B8C300 63B8C300

Explanation: Cartridge or dock error.

Failing Item:

- STGCART
- STGDOCK

63B8C304 63B8C304

Explanation: Cartridge or media error.

Failing Item:

- STGCART

63B8C333 63B8C333

Explanation: Medium incompatible.

Failing Item:

- STGCART

63B8C400 63B8C400

Explanation: Device or device interface error.

Failing Item:

- STGDOCK
- STGCART

63B8C401 63B8C401

Explanation: USB transport error.

63B8C402 • 63B8FF09

Problem determination: If the device is cable attached (not integrated) then replug connectors and cables. Try the device again before exchanging hardware. Use symbolic FRU USB_CBL to determine the location of the USB port and cable.

Failing Item:

- SVCDOCS
- USB_CBL
- STGDOCK
- STORIOA
- AJDGP01

63B8C402 63B8C402

Explanation: Licensed Internal Code error.

Failing Item:

- AJDGP01

63B8CFF2 63B8CFF2

Explanation: Device not ready.

Failing Item:

- SVCDOCS

63B8CFF4 63B8CFF4

Explanation: Unrecoverable device error.

Failing Item:

- STGDOCK

63B8CFF6 63B8CFF6

Explanation: Temporary device error. If this event appears in a serviceable event view then a service action is required. Otherwise this event is informational statistical only and no service is required.

Failing Item:

- STGDOCK

63B8CFF7 63B8CFF7

Explanation: Temporary device error. If this event appears in a serviceable event view then a service action is required. Otherwise this event is informational statistical only and no service is required.

Failing Item:

- STGDOCK

63B8CFF9 63B8CFF9

Explanation: Cartridge or media error.

Failing Item:

- STGCART

63B8CFFB 63B8CFFB

Explanation: This event is informational only. No service required.

63B8CFFE 63B8CFFE

Explanation: Temporary device error. If this event appears in a serviceable event view then a service action is required. Otherwise this event is informational statistical only and no service is required.

Failing Item:

- STGDOCK

63B8FF09 63B8FF09

Explanation: Device firmware update failed.

Problem determination: Examine the Secondary Code for the event in the IBM i Service Action Log (SAL) or the IBM i Product Activity Log (PAL).

Is the Secondary Code zero?

- NO - Remove the media in the dock and retry the operation. If the problem persists work the failing item list.
- YES - Work the failing item list.

Failing Item:

- STGDOCK
- AJDGP01

(63BC) Reference codes

63BC3202 63BC3202

Explanation: Unsupported device.

Failing Item:

- USB_DEV

63BCC000 63BCC000

Explanation: This event is informational only. No service required.

63BCC002 63BCC002

Explanation: Selection time-out, device not there or not responding.

Failing Item:

- SVCDOCS

63BCC020 63BCC020

Explanation: Configuration error.

Failing Item:

- SVCDOCS

63BCC022 63BCC022

Explanation: Unable to determine all device capabilities. Reported media support may be inaccurate. Function may be reduced.

Response: No action is required. This reference code is logged for information only.

Problem determination:

- If this device is a client virtual optical device
 1. If no function reduction exists, no action is required.
Note: Inaccuracies in media support reporting is not likely to cause a functional problem.
 2. Verify that the backing device on the server is varied on, operational, and not in exclusive use by another partition . Once these things are verified, IPL the virtual IOP on the client partition or vary the server partition's NWSO off and on.
 3. Ensure that the latest optical LIC PTFs have been applied to both the client and server partitions.
- If this device is NOT a client virtual optical device
 1. If no function reduction exists, no action is required.
 2. This is likely a secondary error. Other PAL entries logged at approximately the same time as this

one may explain the problem (e.g., interface errors may have prevented identification of device characteristics.)

3. Ensure that the latest optical LIC PTFs have been applied.

63BCC100 63BCC100

Explanation: Bus error reported by device or the device unexpectedly reset.

Failing Item:

- USB_DEV

63BCC210 63BCC210

Explanation: Unexpected device condition.

Failing Item:

- USB_DEV

63BCC300 63BCC300

Explanation: Storage media or device error.

Failing Item:

- USB_DEV

63BCC304 63BCC304

Explanation: Media error.

Failing Item:

- USB_DEV

63BCC333 63BCC333

Explanation: Medium incompatible.

Failing Item:

- USB_DEV

63BCC400 63BCC400

Explanation: Device or device interface error.

Failing Item:

- USB_DEV

63BCC401 63BCC401

Explanation: USB transport error.

Problem determination: If the device is cable attached (not integrated) then replug connectors and cables. Try the device again before exchanging hardware. Use

63BCC402 • 63BCCFFE

symbolic FRU USB_CBL to determine the location of the USB port and cable.

Failing Item:

- SVCDOCS
 - USB_CBL
 - USB_DEV
 - AJDGP01
-

63BCC402 63BCC402

Explanation: Licensed Internal Code error.

Failing Item:

- AJDGP01
-

63BCCFF2 63BCCFF2

Explanation: Device not ready.

Failing Item:

- SVCDOCS
-

63BCCFF4 63BCCFF4

Explanation: Unrecoverable device error.

Failing Item:

- USB_DEV
-

63BCCFF6 63BCCFF6

Explanation: Temporary device error. If this event appears in a serviceable event view then a service action is required. Otherwise this event is informational statistical only and no service is required.

Failing Item:

- USB_DEV
-

63BCCFF7 63BCCFF7

Explanation: Temporary device error. If this event appears in a serviceable event view then a service action is required. Otherwise this event is informational statistical only and no service is required.

Failing Item:

- USB_DEV
-

63BCCFF9 63BCCFF9

Explanation: Media error.

Failing Item:

- USB_DEV

63BCCFFB 63BCCFFB

Explanation: This event is informational only. No service required.

63BCCFFE 63BCCFFE

Explanation: Temporary device error. If this event appears in a serviceable event view then a service action is required. Otherwise this event is informational statistical only and no service is required.

Failing Item:

- USB_DEV

(6607) Reference codes

6607102E 6607102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

66073002 66073002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- BACKPLN
- FI01106
- FI01140

66073010 66073010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- FI01140
- FI01141

66073020 66073020

Explanation: Storage subsystem configuration error

Response: If an MES is being installed, verify the configuration.

Failing Item:

- DISKDRV
- FI01106
- STORIOA
- FI01140

66073029 66073029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

66073100 66073100

Explanation: Tape/optical or disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
- DISKDRV
- STORIOA
- FI01106
- FI01140

66073109 66073109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- FI01106
- FI01140

66073110 66073110

Explanation: Disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
- STORIOA
- DISKDRV
- FI01106
- FI01140

66073130 66073130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

66073131 66073131

Explanation: Device or IOA Licensed Internal Code

Response: The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item:

- SVCDOCS

66077000 • 6607FFFA

66077000 66077000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

66077001 66077001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

66077003 66077003

Explanation: Device format error

Response: If the disk has not been formatted by the system, initialize and format the disk. See Work with disk unit recovery.

66077004 66077004

Explanation: System log entry only. No service action required.

660770DD 660770DD

Explanation: System log entry only, no service action required

6607FFF2 6607FFF2

Explanation: Disk motor problem

Failing Item:

- DISKDRV
-

6607FFF3 6607FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV
-

6607FFF4 6607FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
 - STORIOA
-

6607FFF5 6607FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6607FFF6 6607FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6607FFF7 6607FFF7

Explanation: Temporary disk data error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

6607FFF8 6607FFF8

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6607FFF9 6607FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6607FFFA 6607FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01140
- FI01141
- BACKPLN

6607FFFB 6607FFFB

Explanation: SCSI bus reset occurred

Response: No action required. This reference code is logged for information only.

6607FFFE 6607FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01106
- FI01140

(6713) Reference codes

6713102E 6713102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV
-

67133002 67133002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
 - STORIOA
 - BACKPLN
 - FI01106
 - FI01140
-

67133010 67133010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
 - STORIOA
 - FI01140
 - FI01141
-

67133020 67133020

Explanation: Storage subsystem configuration error

Response: If an MES is being installed, verify the configuration.

Failing Item:

- DISKDRV
 - FI01106
 - STORIOA
 - FI01140
-

67133029 67133029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

67133100 67133100

Explanation: Tape/optical or disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
 - DISKDRV
 - STORIOA
 - FI01106
 - FI01140
-

67133109 67133109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
 - STORIOA
 - FI01106
 - FI01140
-

67133110 67133110

Explanation: Disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
 - STORIOA
 - DISKDRV
 - FI01106
 - FI01140
-

67133130 67133130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS
-

67133131 67133131

Explanation: Device or IOA Licensed Internal Code

Response: The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item:

- SVCDOCS
-

67137000 • 6713FFFA

67137000 67137000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

67137001 67137001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

67137003 67137003

Explanation: Device format error

Response: If the disk has not been formatted by the system, initialize and format the disk. See Work with disk unit recovery.

67137004 67137004

Explanation: System log entry only. No service action required.

671370DD 671370DD

Explanation: System log entry only, no service action required

6713FFF2 6713FFF2

Explanation: Disk motor problem

Failing Item:

- DISKDRV
-

6713FFF3 6713FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV
-

6713FFF4 6713FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
 - STORIOA
-

6713FFF5 6713FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6713FFF6 6713FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6713FFF7 6713FFF7

Explanation: Temporary disk data error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

6713FFF8 6713FFF8

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6713FFF9 6713FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6713FFFA 6713FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01140
- FI01141
- BACKPLN

6713FFFB 6713FFFB

Explanation: SCSI bus reset occurred

Response: No action required. This reference code is logged for information only.

6713FFFE 6713FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01106
- FI01140

(6714) Reference codes

6714102E 6714102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV
-

67143002 67143002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
 - STORIOA
 - BACKPLN
 - FI01106
 - FI01140
-

67143010 67143010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
 - STORIOA
 - FI01140
 - FI01141
-

67143020 67143020

Explanation: Storage subsystem configuration error

Response: If an MES is being installed, verify the configuration.

Failing Item:

- DISKDRV
 - FI01106
 - STORIOA
 - FI01140
-

67143029 67143029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

67143100 67143100

Explanation: Tape/optical or disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
 - DISKDRV
 - STORIOA
 - FI01106
 - FI01140
-

67143109 67143109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
 - STORIOA
 - FI01106
 - FI01140
-

67143110 67143110

Explanation: Disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
 - STORIOA
 - DISKDRV
 - FI01106
 - FI01140
-

67143130 67143130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS
-

67143131 67143131

Explanation: Device or IOA Licensed Internal Code

Response: The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item:

- SVCDOCS
-

67147000 • 6714FFFA

67147000 67147000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

67147001 67147001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

67147003 67147003

Explanation: Device format error

Response: If the disk has not been formatted by the system, initialize and format the disk. See Work with disk unit recovery.

67147004 67147004

Explanation: System log entry only. No service action required.

671470DD 671470DD

Explanation: System log entry only, no service action required

6714FFF2 6714FFF2

Explanation: Disk motor problem

Failing Item:

- DISKDRV
-

6714FFF3 6714FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV
-

6714FFF4 6714FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
 - STORIOA
-

6714FFF5 6714FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6714FFF6 6714FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6714FFF7 6714FFF7

Explanation: Temporary disk data error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

6714FFF8 6714FFF8

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6714FFF9 6714FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6714FFFA 6714FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01140
- FI01141
- BACKPLN

6714FFFB 6714FFFB

Explanation: SCSI bus reset occurred

Response: No action required. This reference code is logged for information only.

6714FFFE 6714FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01106
- FI01140

(6717) Reference codes

6717102E 6717102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV
-

67173002 67173002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
 - STORIOA
 - BACKPLN
 - FI01106
 - FI01140
-

67173010 67173010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
 - STORIOA
 - FI01140
 - FI01141
-

67173020 67173020

Explanation: Storage subsystem configuration error

Response: If an MES is being installed, verify the configuration.

Failing Item:

- DISKDRV
 - FI01106
 - STORIOA
 - FI01140
-

67173029 67173029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

67173100 67173100

Explanation: Tape/optical or disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
 - DISKDRV
 - STORIOA
 - FI01106
 - FI01140
-

67173109 67173109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
 - STORIOA
 - FI01106
 - FI01140
-

67173110 67173110

Explanation: Disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
 - STORIOA
 - DISKDRV
 - FI01106
 - FI01140
-

67173130 67173130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS
-

67173131 67173131

Explanation: Device or IOA Licensed Internal Code

Response: The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item:

- SVCDOCS
-

67177000 • 6717FFFA

67177000 67177000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

67177001 67177001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

67177003 67177003

Explanation: Device format error

Response: If the disk has not been formatted by the system, initialize and format the disk. See Work with disk unit recovery.

67177004 67177004

Explanation: System log entry only. No service action required.

671770DD 671770DD

Explanation: System log entry only, no service action required

6717FFF2 6717FFF2

Explanation: Disk motor problem

Failing Item:

- DISKDRV
-

6717FFF3 6717FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV
-

6717FFF4 6717FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
 - STORIOA
-

6717FFF5 6717FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6717FFF6 6717FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6717FFF7 6717FFF7

Explanation: Temporary disk data error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

6717FFF8 6717FFF8

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6717FFF9 6717FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6717FFFA 6717FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01140
- FI01141
- BACKPLN

6717FFFB 6717FFFB

Explanation: SCSI bus reset occurred

Response: No action required. This reference code is logged for information only.

6717FFFE 6717FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01106
- FI01140

(6718) Reference codes

6718102E 6718102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV
-

67183002 67183002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
 - STORIOA
 - BACKPLN
 - FI01106
 - FI01140
-

67183010 67183010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
 - STORIOA
 - FI01140
 - FI01141
-

67183020 67183020

Explanation: Storage subsystem configuration error

Response: If an MES is being installed, verify the configuration.

Failing Item:

- DISKDRV
 - FI01106
 - STORIOA
 - FI01140
-

67183029 67183029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

67183100 67183100

Explanation: Tape/optical or disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
 - DISKDRV
 - STORIOA
 - FI01106
 - FI01140
-

67183109 67183109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
 - STORIOA
 - FI01106
 - FI01140
-

67183110 67183110

Explanation: Disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
 - STORIOA
 - DISKDRV
 - FI01106
 - FI01140
-

67183130 67183130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS
-

67183131 67183131

Explanation: Device or IOA Licensed Internal Code

Response: The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item:

- SVCDOCS

67187000 • 6718FFFA

67187000 67187000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

67187001 67187001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

67187003 67187003

Explanation: Device format error

Response: If the disk has not been formatted by the system, initialize and format the disk. See Work with disk unit recovery.

67187004 67187004

Explanation: System log entry only. No service action required.

671870DD 671870DD

Explanation: System log entry only, no service action required

6718FFF2 6718FFF2

Explanation: Disk motor problem

Failing Item:

- DISKDRV
-

6718FFF3 6718FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV
-

6718FFF4 6718FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
 - STORIOA
-

6718FFF5 6718FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6718FFF6 6718FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6718FFF7 6718FFF7

Explanation: Temporary disk data error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

6718FFF8 6718FFF8

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6718FFF9 6718FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6718FFFA 6718FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01140
- FI01141
- BACKPLN

6718FFFB 6718FFFB

Explanation: SCSI bus reset occurred

Response: No action required. This reference code is logged for information only.

6718FFFE 6718FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01106
- FI01140

(6719) Reference codes

6719102E 6719102E

Explanation: Out of alternate sectors for disk storage

Failing Item:

- DISKDRV

67193002 67193002

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- BACKPLN
- FI01106
- FI01140

67193010 67193010

Explanation: Disk device returned wrong response to IOA

Failing Item:

- DISKDRV
- STORIOA
- FI01140
- FI01141

67193020 67193020

Explanation: Storage subsystem configuration error

Response: If an MES is being installed, verify the configuration.

Failing Item:

- DISKDRV
- FI01106
- STORIOA
- FI01140

67193029 67193029

Explanation: A device replacement has occurred

Response: No action required. This reference code is logged for information only.

67193100 67193100

Explanation: Tape/optical or disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
- DISKDRV
- STORIOA
- FI01106
- FI01140

67193109 67193109

Explanation: IOA timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- FI01106
- FI01140

67193110 67193110

Explanation: Disk bus interface error occurred

Response:

Failing Item:

- DSKIP03
- STORIOA
- DISKDRV
- FI01106
- FI01140

67193130 67193130

Explanation: Device Licensed Internal Code

Response: The device is not supported with the level of code currently on the system. Contact your next level of support.

Failing Item:

- SVCDOCS

67193131 67193131

Explanation: Device or IOA Licensed Internal Code

Response: The device does not support a needed attribute and is running with degraded performance. Contact your next level of support.

Failing Item:

- SVCDOCS

67197000 • 6719FFFA

67197000 67197000

Explanation: Disk sector read error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

67197001 67197001

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

67197003 67197003

Explanation: Device format error

Response: If the disk has not been formatted by the system, initialize and format the disk. See Work with disk unit recovery.

67197004 67197004

Explanation: System log entry only. No service action required.

671970DD 671970DD

Explanation: System log entry only, no service action required

6719FFF2 6719FFF2

Explanation: Disk motor problem

Failing Item:

- DISKDRV
-

6719FFF3 6719FFF3

Explanation: Disk media format not valid

Failing Item:

- DISKDRV
-

6719FFF4 6719FFF4

Explanation: Disk device problem

Failing Item:

- DISKDRV
 - STORIOA
-

6719FFF5 6719FFF5

Explanation: Disk sector read error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6719FFF6 6719FFF6

Explanation: Disk device detected recoverable error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6719FFF7 6719FFF7

Explanation: Temporary disk data error

Response: No action required. This reference code is logged for information only.

Failing Item:

- DISKDRV
-

6719FFF8 6719FFF8

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6719FFF9 6719FFF9

Explanation: Temporary disk data error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
-

6719FFFA 6719FFFA

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this

event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01140
- FI01141
- BACKPLN

6719FFFB 6719FFFB

Explanation: SCSI bus reset occurred

Response: No action required. This reference code is logged for information only.

6719FFFE 6719FFFE

Explanation: Temporary disk bus error

Response: If this event appears in a serviceable event view, work with the failing item list found there. If this event does not appear in a serviceable event view, no service action is required.

Failing Item:

- DISKDRV
- STORIOA
- FI01106
- FI01140

(6A59) Reference codes

6A590AD2 6A590AD2

Explanation: Communications adapter card test failed

Failing Item:

- FI00718

6A590AD3 6A590AD3

Explanation: Communications adapter card test failed

Failing Item:

- FI00718

6A590B25 6A590B25

Explanation: Communications adapter card test failed

Failing Item:

- FI00719
- FI00718
- FI00727

6A590BA0 6A590BA0

Explanation: Communications adapter card test failed

Failing Item:

- FI00719
- FI00718

6A590BAB 6A590BAB

Explanation: Communications adapter card test failed

Failing Item:

- FI00719
- FI00718

6A590BB0 6A590BB0

Explanation: Communications adapter card test failed

Failing Item:

- FI00719
- FI00718

6A590BD0 6A590BD0

Explanation: Communications adapter card test failed

Failing Item:

- FI00719
- FI00718

6A590BD1 6A590BD1

Explanation: Communications adapter card test failed

Failing Item:

- FI00719
- FI00718

6A590BEE 6A590BEE

Explanation: I/O card Licensed Internal Code ended abnormally

Failing Item:

- FI00719
- FI00718

6A590C10 6A590C10

Explanation: Communications adapter card test failed

Failing Item:

- FI00719
- FI00718
- FI00727

6A590C20 6A590C20

Explanation: Communications adapter card test failed

Failing Item:

- FI00719
- FI00718

6A590C30 6A590C30

Explanation: Adapter card failed modem interface test

Failing Item:

- FI00719
- FI00718

6A590C40 6A590C40

Explanation: Synchronous-data-link-control send-receive test failed

Failing Item:

- FI00719
- FI00718

6A590C43 6A590C43

6A590C50 • 6A59FFFF

Explanation: Synchronous-data-link-control send-receive test failed

Failing Item:

- FI00719
- FI00718

6A590C50 6A590C50

Explanation: Binary synchronous control send-receive test failed

Failing Item:

- FI00719
- FI00718

6A590C53 6A590C53

Explanation: Binary synchronous control send-receive test failed

Failing Item:

- FI00719
- FI00718

6A590C60 6A590C60

Explanation: Asynchronous send-receive test failed

Failing Item:

- FI00719
- FI00718

6A590C63 6A590C63

Explanation: Asynchronous send-receive test failed

Failing Item:

- FI00719
- FI00718

6A590C70 6A590C70

Explanation: Communications adapter card test failed

Failing Item:

- FI00719
- FI00718

6A590C80 6A590C80

Explanation: Communications adapter card test failed

Failing Item:

- FI00719
- FI00718

6A590C90 6A590C90

Explanation: Communications adapter card X.21 test failed

Failing Item:

- FI00719
- FI00718

6A590CA1 6A590CA1

Explanation: Communications adapter card test failed

Failing Item:

- FI00719
- FI00718

6A590CC0 6A590CC0

Explanation: Communications adapter card test failed

Failing Item:

- FI00719
- FI00718

6A595007 6A595007

Explanation: Diagnostic wrap test completed; no errors detected

6A595008 6A595008

Explanation: Diagnostic wrap test completed; error was detected

Failing Item:

- FI00719
- DPAC
- FI00718

6A59FFFF 6A59FFFF

Explanation: User suspected problem

Failing Item:

- USER

(6B22) Reference codes

6B22XXXX 6B22XXXX

Explanation: Event logged in client for a virtual drive being provide by an I/O host.

Failing Item:

- VIRTDRV

(6B23) Reference codes

6B23XXXX 6B23XXXX

Explanation: Event logged in client for a virtual drive being provide by an I/O host.

Failing Item:

- VIRTDRV

(6B25) Reference codes

6B253020 6B253020

Explanation: VIOS hosted, I/O processor detected a configuration error.

Response: Either too many devices or the wrong kind of devices have been configured under the IOA. Change the configuration.

Failing Item:

- SVCDOCS
-

6B253100 6B253100

Explanation: VIOS hosted, I/O processor card detected interface error. If this event appears in a serviceable event view then it requires service. Otherwise it can be ignored.

This event will be logged as informational during LPAR migrations and can be ignored.

Failing Item:

- VIOSLOG
 - FCINTF
 - ANYFC
 - FCIOA
 - OPT_CLN
-

6B253120 6B253120

Explanation: VIOS hosted, I/O processor detected a port failure. If this event appears in a serviceable event view then it requires service. Otherwise it can be ignored.

This event may be logged as informational during LPAR migrations and can be ignored.

Failing Item:

- FCCABLE
 - FCPORT
 - FCIOA
 - VIOSLOG
 - FCDEV
 - OPT_CLN
-

6B253140 6B253140

Explanation: VIOS hosted, I/O Processor detected that a port is now operational.

Response: This reference code and the 3120 reference code that occurred before it require no service action, since the port is now operational.

6B253400 6B253400

Explanation: VIOS hosted, I/O processor card detected device error.

Failing Item:

- FCDEV
 - FCINTF
 - ANYFC
 - FCIOA
 - OPT_CLN
-

6B253405 6B253405

Explanation: An error occurred during task initialization for a removable media device. This SRC is logged when an error occurs and the removable media device driver cannot determine the device type or model.

Response: Perform the following:

- Check the Product Activity Log for other entries that indicate interface problems and work those problems.
 - Check the device firmware level and apply the latest PTFs.
 - Check for LIC logs with major code 2E00. Contact your next level of support with the information you have gathered.
-

Problem determination: IPL the IOP to retry the device identification process. If the error persists then contact your service provider.

Failing Item:

- PTFSRCH
-

6B258100 6B258100

Explanation: VIOS hosted, recovered Fibre Channel interface error

Failing Item:

- AJDGP01
-

6B258130 6B258130

Explanation: VIOS hosted, recovered Fibre Channel interface error.

Response: No action required. This reference code is logged for information only.

6B258301 6B258301

6B259500 • 6B259903

Explanation: VIOS hosted, unexpected fibre channel error detected.

Failing Item:

- NEXTLVL

6B259500 6B259500

Explanation: Internal program error in driver code.

Failing Item:

- PTFSRCH

6B259903 6B259903

Explanation: Tape device information was logged. Informational event, no service required.

(7207) Reference codes

A tape or tape library device failure occurred.

Note: Use this table to handle reference codes that might be displayed during a type D IPL to install the operating system. If you are not performing a type D IPL of the operating system, consult any error logs found in the serviceable event view. If you cannot locate an error log in the serviceable event view that corresponds with the failure, run a verification test for the tape unit.

1. Verify that the device has power.
2. Check the device for any error indications. Refer to the device service information to resolve any error indications.
3. Clean the recording head in the tape device.
4. Attempt the failing operation again. Does the operation complete successfully?

Yes: You have corrected the problem. **This ends the procedure.**

No: Look at the 8 rightmost characters of the Data display for Function 11, which represent the reference code. Find the reference code in the following list.

72073000 72073000

Explanation: I/O adapter hardware error detected

Failing Item:

- FI01112

72073202 72073202

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the following condition is not present:

- The attached device type or model is only supported on an I/O adapter that is attached to an I/O processor.

Failing Item:

- TAPCNFG
- FI00871

72073400 72073400

Explanation: Device error has occurred

Failing Item:

- FI00872
- DEVTERM
- FI00871
- FI01103
- FI01106

72079020 72079020

Explanation: Tape unit configuration error

Response: Before exchanging any parts, verify that the

following conditions are not present:

- Tape and DASD devices attached to an I/O Processor that does not support Tape and Dasd devices at the same time.
- An unsupported device type or model is attached.

Failing Item:

- TAPCNFG
- FI00871
- PTFSRCH

72079100 72079100

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
2. For a SCSI attached device ensure that a terminating plug is attached to the device end of the cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

72079101 72079101

Explanation: Fibre Channel interface error detected

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the Fibre Channel cable is correctly connected to the ports.
2. Clean the Fibre Channel connectors.
3. If there is a switch or hub attached, verify that it is operational.
4. If there is a gateway device attached, refer to the gateway device service documentation for additional problem analysis procedures.
5. refer to the tape device service documentation for additional problem analysis procedures.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FCIOA
- FCDEV
- FCCABLE

72079102 72079102

Explanation: Gateway device detected a SCSI interface error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FI00871
- FCGATE
- FI00872
- DEVTERM

72079103 72079103

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the SAS cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- SASCABL

72079104 72079104

Explanation: Interface error detected by system or by tape unit

Response: If the attached device is an external tape device, do the following before exchanging any parts:

1. Ensure that the USB cable is correctly connected to the ports.
2. Ensure that the device has power.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- USB_DEV
- USB_IOA
- USB_CBL

72079200 72079200

Explanation: Tape unit is not responding

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the cable.
3. For a SCSI attached device ensure that a terminating plug is attached to the device end of the SCSI cable.

If the attached tape device is owned by a Virtual I/O Server partition refer to Troubleshooting the Virtual I/O Server to determine the parts to replace.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

72079201 72079201

Explanation: Tape unit command timeout

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the signal cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

5. If the attached tape device is owned by a Virtual I/O Server partition it may be necessary to reset the virtual IOP to recover from the error.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM
- MEDIA

72079202 72079202

Explanation: Tape unit failed after Licensed Internal Code was loaded

Response: If the attached device is an external device, do the following before exchanging any parts:

1. Ensure that the device is powered on.
2. If an interposer is required, make sure that it is connected between the I/O processor and the SCSI cable.
3. Ensure that the SCSI cable is seated correctly, and that there are no bent or damaged pins on the SCSI cable.
4. Ensure that a terminating plug is attached to the device end of the SCSI cable.

Failing Item:

- FI00871
- FI01112
- FI00872
- DEVTERM

72079210 72079210

Explanation: Illegal or unsupported tape unit response

Failing Item:

- FI00871
- FI01112
- PTFSRCH

72079211 72079211

Explanation: Gateway device detected a bus protocol error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE
- FCIOA
- FI00871
- ANYFC
- FCCABLE
- FI00872

- DEVTERM

72079220 72079220

Explanation: Hardware configuration change detected

Response: The tape device or tape library device has reported a configuration change that requires the I/O processor to be reset. Reset the I/O processor before using the device.

72079300 72079300

Explanation: Tape unit failure

Failing Item:

- FI00871

72079301 72079301

Explanation: Tape device failure, redundancy lost

Response: The tape unit detected a hardware failure that does not prevent the tape unit from completing the current operation.

Failing Item:

- FI00871

72079302 72079302

Explanation: Tape device failure or media error

Response: The tape unit detected a failure that may be caused by a hardware failure or a media error.

Refer to the tape unit service information for possible information on diagnostic tests that can be run to isolate between hardware and media failures.

Failing Item:

- MEDIA
- FI00871

72079303 72079303

Explanation: Gateway device failure

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCGATE

72079304 72079304

Explanation: Tape unit failure

Response: Before exchanging any parts, do the following:

1. Ensure that the EKM/TKLM server is operational and properly configured.

2. Ensure that the mounted cartridge is in the EKM/TKLM server database.

Failing Item:

- USER
- FI00871

72079310 72079310

Explanation: Licensed Internal Code for the tape unit is not correct

Failing Item:

- PTFSRCH
- FI00871

72079320 72079320

Explanation: Tape device Licensed Internal Code failure

Failing Item:

- FI00130
- FI00871

72079321 72079321

Explanation: Gateway device Licensed Internal Code error

Response: Use the gateway device service documentation to analyze the problem.

Failing Item:

- FCCODE

72079350 72079350

Explanation: Tape unit detected a read or write error on tape medium

Response: A permanent read or write error occurred. Clean the tape unit and retry the operation.

If cleaning the tape unit does not correct the problem, exchange the tape media.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

72079351 72079351

Explanation: Tape with excessive error rate was mounted in tape device.

Response: The tape unit detected that the mounted tape cartridge has a history of excessive read and write errors. It is recommended that you exchange the tape cartridge.

Failing Item:

- MEDIA
- TAPCLN
- FI00871

72079355 72079355

Explanation: The data format is incorrect; the tape cannot be read

Response: The tape unit has detected that the data format on the tape media is not supported or that the tape media is defective. Do the following before exchanging any parts:

1. Initialize the tape to a different format.
2. Clean the tape unit.

If the operation continues to fail, use a different tape cartridge.

Failing Item:

- USER
- MEDIA
- TAPCLN
- FI00871

72079500 72079500

Explanation: Licensed Internal Code error

Response: If the system is operational, perform a dump of the I/O processor data.

Failing Item:

- PTFSRCH

72079501 72079501

Explanation: Licensed Internal Code error

Failing Item:

- PTFSRCH

72079800 72079800

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

72079801 72079801

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

72079802 72079802

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

72079803 72079803

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

72079804 72079804

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

72079805 72079805

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

72079806 72079806

Explanation: System successfully recovered from temporary I/O error

Response: No action required. This reference code is logged for information only.

72079810 72079810

Explanation: Problem analysis has determined a part should be replaced.

Response: This reference code is used for ending Online Problem Analysis with a list of failing items. (Information Only)

72079899 72079899

Explanation: Problem analysis completed, the problem has been corrected.

Response: This reference code is used for ending Online Problem Analysis when no problem was found or the problem was corrected.

72079900 72079900

Explanation: Licensed Internal Code for tape unit was not upgraded

Response: The I/O processor loading of Licensed

Internal Code (LIC) to the programmable tape unit was not completed.

The tape unit will continue to operate with the previous LIC. You may do either of the following:

- Wait for next IPL when the system will attempt to load the LIC for the tape drive again.
- Perform TUIPI04 to reset the IOP and the tape unit. When the IOP is reset, if the device has the wrong level of LIC, the IOP will attempt to load the new LIC.

Failing Item:

- USER
-

72079901 72079901

Explanation: Tape performance statistics logged

Response: No action required. This reference code is logged for information only.

72079902 72079902

Explanation: An IOP dump was initiated

Response: No action required.

72079903 72079903

Explanation: Tape device information logged

Response: No action required. This reference code is logged for information only.

7207FFF6 7207FFF6

Explanation: Tape volume statistics logged (no action required)

(A1xx) Reference codes

An A1xx system reference (attention) code is an attention code posted by the service processor. An A1xx SRC offers information about a platform or service processor dump, confirms a control panel function request, or indicates an issue with a service processor wake-on-LAN setting. The A1xx table uses the following format:

- The reference code contains numbers that identify a particular action your server performs during initialization of firmware.
- The description offers a brief description about this SRC. It may also contain instructions for continuing the problem analysis.
- The FRU List offers a link to instructions or service actions for recovering from a hang on an attention code. Click the FRU List only when you experience a hang condition on an attention code. For example, a hang condition occurs when your server performs a requested action but the SRC in the control panel display does not change for several minutes and the service processor appears to be hung.

A1003000 **A1003000**

Explanation: Informational message: the platform dump was successful. If the system hangs on this progress code, perform FSPSPC1.

A1003001 **A1003001**

Explanation: Reserved (for platform dump). If the system hangs on this progress code, perform FSPSPC1.

A1003022 **A1003022**

Explanation: Confirm partition dump (control (operator) panel function 22).

Response: The control panel displays this attention code after you request a partition dump (panel function 22). When you see this code, scroll to function 22 again on the panel and press **Enter** to perform the partition dump. If the system hangs on this progress code, perform FSPSPC1.

A1003042 **A1003042**

Explanation: Confirm platform dump (control panel function 42)

Response: The control panel displays this attention code after you request a platform dump (panel function 42). When you see this code, scroll to function 42 again on the panel and press **Enter** to perform the platform dump. If the system hangs on this progress code, perform isolation procedure FSPSPC1.

A1003043 **A1003043**

Explanation: Confirm service processor dump (control panel function 43)

Response: The control panel displays this attention code after a service processor dump (panel function 43) is requested. When you see this code, scroll to function 43 again on the panel and press **Enter** to perform the service processor dump. If the system hangs on this progress code, perform isolation procedure FSPSPC1.

A1008003 **A1008003**

Explanation: Confirm restart IPL control (operator panel function 03).

Response: The control panel displays this attention code after a restart IPL (panel function 03) is requested. When this SRC is displayed, scroll to function 03 again on the panel and press enter to perform the restart IPL. If the system hangs on this progress code, perform isolation procedure FSPSPC1.

A1008008 **A1008008**

Explanation: Confirm fast power-off (control panel function 08)

Response: This attention code is displayed on the control panel after you request a fast power-off (panel function 08). When you see this code, scroll to function 08 again on the panel and press **Enter** to perform the fast power-off. If the system hangs on this progress code, perform isolation procedure FSPSPC1.

A1008009 **A1008009**

Explanation: Beginning emergency power off (EPO) countdown. If the system hangs on this progress code, perform isolation procedure FSPSPC1.

A100800A **A100800A**

Explanation: Proceeding with EPO. This SRC displays

A181D000 • A1A3C100

after the countdown has completed successfully. If the system hangs on this progress code, perform isolation procedure FSPSPC1.

A181D000 A181D000

Explanation: The hypervisor did not respond to a ROLE or FAILOVER message. If the system hangs on this progress code, perform isolation procedure FSPSPC1.

A181D001 A181D001

Explanation: The hypervisor did not post an Xdown interrupt when a reset/reload occurred. If the system hangs on this progress code, perform isolation procedure FSPSPC1.

A1A3C100 A1A3C100

Explanation: Invalid operational mode for remote power on (wake onLAN)

Response: Check the service processor settings for remote power on. If the system hangs on this progress code, perform isolation procedure FSPSPC1.

(A2xx) Reference codes

No service action is required.

A2002250 **A2002250**

Explanation: A problem occurred during the IPL of a partition.

Response: The partition ID is in extended word one as LP=xxx in decimal format. A slot that was needed for the partition was unavailable. See the Symbolic FRU SLOTUSE for more information on the cause of this error.

Failing Item:

- SLOTUSE

A2002300 **A2002300**

Explanation: A problem occurred during the IPL of a partition.

Response: The partition ID is in extended word one as LP=xxx in decimal format. A slot that was needed for the partition was unavailable. See the Symbolic FRU SLOTUSE for more information on the cause of this error.

Failing Item:

- SLOTUSE

A2002310 **A2002310**

Explanation: A problem occurred during the IPL of a partition.

Response: The partition ID is in extended word one as LP=xxx in decimal format. The platform LIC for this partition attempted an operation. There was a failure. Contact your next level of support.

Failing Item:

- NEXTLVL

A2002320 **A2002320**

Explanation: A problem occurred during the IPL of a partition.

Response: The partition ID is in extended word one as LP=xxx in decimal format. The platform LIC for this partition attempted an operation. There was a failure. Contact your next level of support.

Failing Item:

- NEXTLVL

A2002425 **A2002425**

Explanation: A problem occurred during the IPL of a partition.

Response: The partition ID is in extended word one as LP=xxx in decimal format. The platform LIC for this partition attempted an operation. There was a failure. Contact your next level of support.

Failing Item:

- NEXTLVL

A2002426 **A2002426**

Explanation: A problem occurred during the IPL of a partition.

Response: The partition ID is in extended word one as LP=xxx in decimal format. The platform LIC for this partition attempted an operation. There was a failure. Contact your next level of support.

Failing Item:

- NEXTLVL

A2002475 **A2002475**

Explanation: A problem occurred during the IPL of a partition.

Response: The partition ID is in extended word one as LP=xxx in decimal format. A slot that was needed for the partition was either empty or the device in the slot has failed. See the Symbolic FRU SLOTUSE for more information on the cause of this error.

If you have a RAID enablement card (CCIN 5709) on your system, it will disable an embedded SCSI adapter. If that embedded slot is called out in the error, you can safely ignore this error.

Failing Item:

- SLOTUSE

A2002477 **A2002477**

Explanation: A problem occurred during the IPL of a partition.

Response: No service action required.

A2002479 **A2002479**

Explanation: A problem occurred during the IPL of a partition.

Response: No service action required.

A2002485 • A2D03010

A2002485 A2002485

Explanation: A problem occurred during the IPL of a partition.

Response: The partition ID is in extended word one as LP=xxx in decimal format. The platform LIC for this partition attempted an operation. There was a failure. Contact your next level of support.

Failing Item:

- NEXTLVL

A2003123 A2003123

Explanation: System log entry only, no service action required

A2008080 A2008080

Explanation: System log entry only, no service action required

Response: No service action required.

A2008108 A2008108

Explanation: A problem occurred during the IPL of a partition.

A2009010 A2009010

Explanation: A problem occurred during the IPL of a partition.

A2009020 A2009020

Explanation: A problem occurred during the IPL of a partition.

A2009030 A2009030

Explanation: A problem occurred during the IPL of a partition.

A200B07B A200B07B

Explanation: System log entry only, no service action required

Response: No service action required.

A200C220 A200C220

Explanation: A problem occurred during the IPL of a partition.

A200C225 A200C225

Explanation: A problem occurred during the IPL of a partition.

A200C230 A200C230

Explanation: A problem occurred during the IPL of a partition.

A2D03000 A2D03000

Explanation: User-initiated immediate termination and MSD of a partition.

Response: No service action required.

A2D03001 A2D03001

Explanation: User-initiated RSCDUMP of RPA partition's PFW content.

Response: No service action required.

A2D03002 A2D03002

Explanation: User-initiated RSCDUMP of IBM i partition's SLIC bootloader and PFW content.

Response: No service action required.

A2D03010 A2D03010

Explanation: The Hypervisor initiated an LPADUMP.

(A6xx) Reference codes

A6000000 A6000000

Explanation: Operating system status code

Response: This reference code is for information only. It is shown in the Product activity log as a side effect of a condition that was detected by LIC.

Normally, no action should be taken as a result of information reference codes. However, to isolate the root cause, use these suggestions:

1. Examine the date and time of the informational reference code.
2. Determine if any other reference codes have been logged at or before the same date and time.
3. Begin the service approach based on these other logged errors.

A6000102 A6000102

Explanation: A machine check occurred during IPL

Response: Words 2 to 9 of this SRC contain additional diagnostic information. Record SRC words 1 through 9 before attempting to IPL again and report the problem to your Software Service Provider.

A6000103 A6000103

Explanation: Main storage dump must be copied for service

Failing Item:

- LICIP01

A6000104 A6000104

Explanation: Terminate Immediate reference code is bad

Failing Item:

- LICIP08
- AJDG301

A6000105 A6000105

Explanation: More than one request to terminate the system was issued

Failing Item:

- LICIP08
- AJDG301

A6000106 A6000106

Explanation: Terminate Immediate data is not valid

Failing Item:

- LICIP08
- AJDG301

A6000107 A6000107

Explanation: Main storage dump must be copied for service

Response: The server detected an unrecoverable machine check condition.

Collect all the words of the SRC and the main store dump and send to your system manufacturer for analysis.

A6000109 A6000109

Explanation: An unrecoverable memory error occurred

Response: Re-IPL the partition that terminated. Then, look for and correct errors with SRCs of the form B1xxxxxx in the Serviceable Event View that indicate the replacement of memory in the failing item list. If there are no B1xxxxxx SRCs in the Serviceable Event View that indicate a memory problem, perform a slow boot by using Performing a slow boot in order to run diagnostics on the memory. Then, look for and correct errors with SRCs of the form B1xxxxxx in the Serviceable Event View.

Failing Item:

- SVCDOCS

A6000202 A6000202

Explanation: Unrecoverable read error

Response: Restore the Licensed Internal Code using Utilities to install and restore IBM i Licensed Internal Code.

A6000210 A6000210

Explanation: The system ASP has run out of disk storage.

Response: The out of storage condition in the system ASP can be caused by an allocation failure in some other system software. This could be a looping condition that continues to allocate storage. Contact your service representative for assistance with the Main Storage Dump.

A6000231 A6000231

A6000232 • A6000308

Explanation: Disk sanitize action completed successfully

Response: No service action required. This entry is logged for information only.

A6000232 A6000232

Explanation: Disk sanitize action did not complete successfully

Response: Provide the Product Activity Log entry to your next level of support for analysis.

A6000244 A6000244

Explanation: Contact was lost with the device indicated

Response: Do not power off the system.

Perform the procedure indicated in the failing item list.

Failing Item:

- LICIP13
- FI00580
- FI00500
- FI00302
- FI00301
- AJDG301

A6000255 A6000255

Explanation: Contact was lost with the device indicated

Response: Do not power off the system.

Perform the procedure indicated in the failing item list.

Failing Item:

- LICIP13
- FI00580
- FI00500
- FI00302
- FI00301
- AJDG301

A6000266 A6000266

Explanation: Contact was lost with the device indicated

Response: Do not power off the system.

Perform the procedure indicated in the failing item list.

Failing Item:

- LICIP13
- FI00580
- FI00500

- FI00302
- FI00301
- AJDG301

A6000299 A6000299

Explanation: Informational LIC state SRC.

A6000302 A6000302

Explanation: Recursion in exception handler

Failing Item:

- LICIP08
- AJDG301

A6000304 A6000304

Explanation: Component specific exception handler return code not valid

Failing Item:

- LICIP08
- AJDG301

A6000305 A6000305

Explanation: Exception while storage management lock is held

Failing Item:

- LICIP08
- AJDG301

A6000307 A6000307

Explanation: LIC exception code detected a problem

Response: Component Specific Exception Handler recursion is detected in an IBM i Operating System process.

Failing Item:

- LICIP08
- AJDG301

A6000308 A6000308

Explanation: LIC exception code detected a problem

Response: Component Specific Exception Handler recursion is detected in an IBM i Operating System process.

Failing Item:

- LICIP08
 - AJDG301
-

A6000317 **A6000317****Explanation:** Traceback for code not found**Failing Item:**

- LICIP08
 - AJDG301
-

A6000323 **A6000323****Explanation:** LIC exception code detected a problem**Failing Item:**

- LICIP08
 - AJDG301
-

A6000324 **A6000324****Explanation:** LIC exception code detected a problem**Failing Item:**

- LICIP08
 - AJDG301
-

A6000325 **A6000325****Explanation:** LIC exception code detected a problem**Failing Item:**

- LICIP08
 - AJDG301
-

A6000326 **A6000326****Explanation:** LIC exception code detected a problem**Failing Item:**

- LICIP08
 - AJDG301
-

A6000327 **A6000327****Explanation:** LIC exception code detected a problem**Failing Item:**

- LICIP08
 - AJDG301
-

A6000328 **A6000328****Explanation:** LIC exception code detected a problem**Failing Item:**

- LICIP08
 - AJDG301
-

A6000329 **A6000329****Explanation:** LIC exception code detected a problem**Failing Item:**

- LICIP08
 - AJDG301
-

A6000333 **A6000333****Explanation:** A branch to a bad address was attempted**Failing Item:**

- LICIP08
 - AJDG301
-

A6000334 **A6000334****Explanation:** Exception Handler could not be removed**Failing Item:**

- LICIP08
 - AJDG301
-

A6000335 **A6000335****Explanation:** Code resumed to not valid address following exception**Failing Item:**

- LICIP08
 - AJDG301
-

A6000336 **A6000336****Explanation:** LIC exception code detected a problem**Failing Item:**

- LICIP08
 - AJDG301
-

A6000401 **A6000401****Explanation:** A machine check occurred during IPL**Failing Item:**

- LICIP08
 - AJDG301
-

A6000402 **A6000402****Explanation:** A machine check occurred during authority initialization**Failing Item:**

- LICIP08
 - AJDG301
-

A6000403 • A6000418

A6000403 **A6000403**

Explanation: Unhandled exception during IPL or install

Failing Item:

- LICIP08
 - AJDG301
-

A6000405 **A6000405**

Explanation: Unhandled exception in authority recovery

Failing Item:

- LICIP08
 - AJDG301
-

A6000406 **A6000406**

Explanation: Unhandled exception in data base recovery

Failing Item:

- LICIP08
 - AJDG301
-

A6000407 **A6000407**

Explanation: Unhandled exception in data base initialization

Failing Item:

- LICIP08
 - AJDG301
-

A6000408 **A6000408**

Explanation: Unhandled exception in journal recovery

Failing Item:

- LICIP08
 - AJDG301
-

A6000409 **A6000409**

Explanation: Unhandled exception in journal synchronization

Failing Item:

- LICIP08
 - AJDG301
-

A6000410 **A6000410**

Explanation: Unhandled exception in journal clean up

Failing Item:

- LICIP08
 - AJDG301
-

A6000411 **A6000411**

Explanation: Unhandled exception in commit recovery

Failing Item:

- LICIP08
 - AJDG301
-

A6000412 **A6000412**

Explanation: Unhandled exception in commit initialization

Failing Item:

- LICIP08
 - AJDG301
-

A6000413 **A6000413**

Explanation: Rebuild of recovery object index failed

Failing Item:

- LICIP08
 - AJDG301
-

A6000414 **A6000414**

Explanation: Install of operating system failed on read from media

Failing Item:

- LICIP08
 - FI00300
-

A6000415 **A6000415**

Explanation: Create user profile failed

Failing Item:

- LICIP08
 - AJDG301
-

A6000417 **A6000417**

Explanation: Initiating the initial process failed

Failing Item:

- LICIP08
 - AJDG301
-

A6000418 **A6000418**

Explanation: The information loaded from the install media is not valid

Failing Item:

- LICIP08
 - AJDG301
-

A6000419 **A6000419**

Explanation: The information loaded from the install media is not valid

Failing Item:

- LICIP08
 - AJDG301
-

A6000420 **A6000420**

Explanation: The information loaded from the install media is not valid

Failing Item:

- LICIP08
 - AJDG301
-

A6000421 **A6000421**

Explanation: Bad return code creating a queue or message

Failing Item:

- LICIP08
 - AJDG301
-

A6000422 **A6000422**

Explanation: The Load/Dump command failed

Failing Item:

- LICIP08
 - AJDG301
-

A6000439 **A6000439**

Explanation: Opening the IPCF connection failed

Failing Item:

- LICIP08
 - AJDG301
-

A6000440 **A6000440**

Explanation: Termination code is not valid

Failing Item:

- LICIP08
 - AJDG301
-

A6000441 **A6000441**

Explanation: Power off system command failed

Failing Item:

- LICIP08
 - AJDG301
-

A6000443 **A6000443**

Explanation: Programmed IPL command failure

Failing Item:

- LICIP08
 - AJDG301
-

A6000446 **A6000446**

Explanation: Error during machine termination

Failing Item:

- LICIP08
 - AJDG301
-

A6000447 **A6000447**

Explanation: Failure to reach MI boundary

Failing Item:

- LICIP08
 - AJDG301
-

A6000449 **A6000449**

Explanation: Exception in MI boundary manager

Failing Item:

- LICIP08
 - AJDG301
-

A6000506 **A6000506**

Explanation: Attempt to destroy a task with critical flag on

Failing Item:

- LICIP08
 - AJDG301
-

A6000507 **A6000507**

Explanation: A critical process terminated. This SRC will be in the LPAR's panel.

LIC detected an attempt to terminate a process with its critical flag set to ON. Normally this process will be SCPE.

This is a secondary affect of the process termination request for a critical process that was caused by a system error condition that began process termination. The system error condition that began process termination is most commonly a storage error or LIC exception handling.

Response: Perform LICIP08 - save and send in the Main Store Dump, collect LIC and Product Activity Logs.

Failing Item:

A6000607 • A6001103

- LICIP08
- AJDG301

A6000607 A6000607

Explanation: Maximum stack size exceeded in process or task

Failing Item:

- LICIP08
- AJDG301

A6000620 A6000620

Explanation: Event management index is not usable

Failing Item:

- LICIP08
- AJDG301

A6000650 A6000650

Explanation: Resource management segment could not be created or extended

Response: A main store dump was initiated.

Words 2 to 9 of this SRC contain additional diagnostic information. Record SRC words 1 through 9.

Perform a system IPL and collect the Product activity log and main store dump and provide them along with the recorded SRC information to IBM Service Support.

The problem may also be that there is not enough auxiliary storage.

Failing Item:

- AJDG301

A6000801 A6000801

Explanation: Invalid LID directory detected

Response: During system IPL, the LIDMgr detected an I/O failure or media failure while trying to read the LID directory.

Failing Item:

- LICIP08
- FI00070
- FI00300
- AJDG301

A6000802 A6000802

Explanation: LID directory unusable

Response: During system IPL, the LIDMgr detected that the LID directory and associated Load Source is not usable.

Reinstall the Licensed Internal Code by using Utilities

to install and restore IBM i Licensed Internal Code.

For more information, contact IBM Service Support.

Failing Item:

- AJDG301

A6000901 A6000901

Explanation: The LinkLoader has found its bad flag ON

Response: This reference code is usually the result of a system termination while the LinkLoader is performing its work.

Reinstall the Licensed Internal Code by using Utilities to install and restore IBM i Licensed Internal Code.

A6000902 A6000902

Explanation: Unable to perform programmed IPL

Response: The LinkLoader was not successful in performing a programmed IPL.

Perform a system IPL. If the problem persists, examine the main storage dump and determine the reason for the failure of the programmed IPL.

A6000903 A6000903

Explanation: The LinkLoader was not able to allocate a segment

Response: Perform the D mode IPL again. If the problem persists, there might be a memory problem. Contact your next level of support.

A6000904 A6000904

Explanation: The LinkLoader was not able to load a critical LID

Response: Perform the D mode IPL again. If the problem persists, contact your next level of support.

A6001001 A6001001

Explanation: Enqueuing a task to the TDQ which is already enqueued on TDQ

Failing Item:

- LICIP08
- AJDG301

A6001103 A6001103

Explanation: MISR not readable; must be readable for Normal Mode install

Response: MISR is not readable. Perform a manual install to reinitialize the system.

A6001104 **A6001104**

Explanation: Failure reading media or not install media

Response: Determine that correct install media is loaded. If correct install media is installed, media could be corrupt. Obtain another copy of the install media and re-attempt the install. If the install still fails, contact your service representative.

A6001201 **A6001201**

Explanation: Critical database segment could not be created

Failing Item:

- LICIP08
- AJDG301

A6001204 **A6001204**

Explanation: Error in constraint enforcement

Failing Item:

- LICIP08
- AJDG301

A6001210 **A6001210**

Explanation: Object not found in the in-use table

Failing Item:

- LICIP08
- AJDG301

A6001215 **A6001215**

Explanation: Error in critical code sequence

Failing Item:

- LICIP08
- AJDG301

A6001219 **A6001219**

Explanation: A back leveled driver has been detected

Failing Item:

- LICIP08
- AJDG301

A6001604 **A6001604**

Explanation: Not able to create APPN task

Response: An error occurred during task creation which requires a power off of the system.

Failing Item:

- LICIP08

- AJDG301

A6001724 **A6001724**

Explanation: An attempt to create a segment failed

Response: The create could fail for two reasons:

- A code problem. Perform the procedure indicated in the failing item list.
- No free auxiliary storage on the system. Add additional DASD if the create failed because no auxiliary storage was available.

Failing Item:

- LICIP08
- AJDG301

A6001730 **A6001730**

Explanation: An IPL is needed to restore system performance

Response: Licensed Internal Code has detected a condition that is impacting system performance. System operation can continue, but system performance may be noticeably reduced until the next IPL.

Look at the Product Activity Log entry, and find the value at offset x'000180'. If the value equals x'00000122', the error was caused by too much processor memory being installed.

For more information, contact IBM Service Support.

Failing Item:

- UPLF1

A6003000 **A6003000**

Explanation: LPAR service function directed a Main Storage Dump.

Response: Copy the current main storage dump to media. For more information on how to copy a Main Storage Dump, refer to Copying a main storage dump.

Failing Item:

- AJDG301

A60041FC **A60041FC**

Explanation: Installation of LIC failed

Response: Words 12 and 13 of this SRC contain additional diagnostic information.

Install LIC using physical media.

To determine what caused the failure, collect SRC information and contact your next level of support.

Failing Item:

- SVCDOCS

A60041FD **A60041FD****Explanation:** Installation of LIC failed**Response:** A main store dump was initiated. Words 12 and 13 of this SRC contain additional diagnostic information.

To recover the partition using the previously installed LIC, perform a B-mode IPL. You can then re-try the installation of LIC. Otherwise, install LIC using physical media.

To determine what caused this failure, collect SRC information and main store dump and contact your next level of support.

Failing Item:

- SVCDOCS

A6004401 **A6004401****Explanation:** Missing DASD units.**Response:** Copy the current main storage dump to media.

For more information on how to perform a Main Storage Dump, refer to Copying a main storage dump.

A6004402 **A6004402****Explanation:** Missing DASD units.**Response:** Copy the current main storage dump to media. Then exit the Main Storage Dump Manager.

For more information on how to perform a Main Storage Dump, refer to Copying a main storage dump.

A6004403 **A6004403****Explanation:** Storage Management failed to reach full paging.**Response:** Copy the current main storage dump to media.

For more information on how to perform a Main Storage Dump, refer to Copying a main storage dump.

A6004404 **A6004404****Explanation:** Auto copy failed or not attempted.**Response:** Copy the current main storage dump. If copying to system ASP, existing copies may need to be deleted or renamed. Then exit the Main Storage Dump Manager.

For more information on how to perform a Main Storage Dump, refer to Copying a main storage dump.

A6004405 **A6004405****Explanation:** System ASP threshold exceeded after auto copy done.**Response:** Delete other system ASP copies or exit the Main Storage Dump Manager and then from DST copy the Auto Copy to media and then delete the Auto Copy in system ASP.

A6004420 **A6004420****Explanation:** MSD Manager not configured to save dump information**Response:** The platform produced dump data, but the Main Storage Dump (MSD) Manager was not configured to automatically copy the dump to an Auxiliary Storage Pool (ASP). The dump will be lost if the system power is lost. Use MSD Manager to manually copy the current platform dump to media or an ASP.

A6004421 **A6004421****Explanation:** Insufficient space in the ASP to store a platform dump**Response:** The platform produced dump data, and the Main Storage Dump (MSD) Manager was configured to automatically copy the dump to an Auxiliary Storage Pool (ASP), but there was not sufficient free space available in the ASP. The dump will be lost if the system power is lost. Manually copy the current platform dump from the platform by performing one of the following:

- Make room in the designated ASP and then use the MSD Manager to copy the current platform dump to ASP.
- Use the MSD Manager to delete other dump copies, then copy the current platform dump to ASP.
- Use the MSD Manager to copy the current platform dump to a different ASP.
- Use the MSD Manager to copy the current platform dump to media.

A6004422 **A6004422****Explanation:** A platform dump is saved in MSD Manager**Response:** The platform produced dump data. The dump data was copied to the Main Storage Dump (MSD) Manager.**Failing Item:**

- PLDUMP
-

A6004700 **A6004700**

Explanation: Processor On Demand error detected.

Response: Processor on Demand Data Block key is not valid.

Replace the Processor Capacity card.

Failing Item:

- CTLPNCD
-

A6004701 **A6004701**

Explanation: Processor On Demand error detected.

Response: Processor On Demand Data Block contains data that does not match the expected data.

Contact your service provider.

Failing Item:

- AJDG301
-

A6004703 **A6004703**

Explanation: Processor On Demand error detected.

Response: Processor On Demand Serialization has failed during IPL.

Contact your service provider.

Failing Item:

- AJDG301
-

A6004710 **A6004710**

Explanation: Processor On Demand error detected.

Response: SPCN communication failure during Processor On Demand.

Look in the Product Activity Log for other SPCN errors and perform the actions indicated for those errors.

Failing Item:

- SPNLCRD
-

A6004712 **A6004712**

Explanation: Processor On Demand error detected.

Response: Correct any Processor Capacity card or SPCN failures.

Failing Item:

- CTLPNCD
-

A6004713 **A6004713**

Explanation: Incorrect Processor Capacity Card installed.

Response: The Processor Capacity Card is the failing

item since it has been swapped in from a different system.

Put the Processor Capacity Card back in the system it came from, and reinstall this system's original Processor Capacity Card.

Failing Item:

- CTLPNCD
-

A6004714 **A6004714**

Explanation: The CUoD data is not present. A problem may exist.

Response: The Processor Capacity Card was changed and there may be a problem.

If the system did have any activated standby processors before the Processor Capacity Card was replaced, then new processor on demand activation codes must be obtained to restore the previous activations.

Contact your service provider.

A6004715 **A6004715**

Explanation: Processor On Demand error detected.

Response: Correct any Processor Capacity card or SPCN failures.

Failing Item:

- CTLPNCD
-

A6004730 **A6004730**

Explanation: Processor On Demand error detected.

Response: Processor On Demand standby processors are in use.

Contact your service provider.

Failing Item:

- AJDG301
-

A6004731 **A6004731**

Explanation: Processor On Demand error detected.

Response: The Processor On Demand Trial Activation period is not valid. Contact your next level of support.

Failing Item:

- AJDG301
-

A6004733 **A6004733**

Explanation: Processor On Demand error detected.

Response: Contact your service provider.

Failing Item:

- AJDG301

A6004740 • A6005007

A6004740 A6004740

Explanation: Processor On Demand error detected.

Response: The Processor On Demand Activation code just entered is not valid.

Contact your next level of support.

Failing Item:

- AJDG301

A6004741 A6004741

Explanation: Processor On Demand error detected.

Response: An invalid Processor On Demand Activation code has been entered more than 5 consecutive times. Contact your service provider.

Failing Item:

- AJDG301

A6004745 A6004745

Explanation: Processor Capacity card replaced on activated POD system.

Response: Contact IBM Support to order a replacement Processor On Demand activation code.

A6004747 A6004747

Explanation: 1 hour left in POD 14 day Trial Activation Period.

Response: If a new activation code was purchased, it should be entered now. Otherwise, the system will revert back to its previous activation state at the end of the Trial Activation Period.

A6005001 A6005001

Explanation: DST received no response from a workstation controller

Response: The workstation I/O processor for the system or partition console did not respond.

Failing Item:

- RTRIP01
- FI00380
- AJDG301

A6005002 A6005002

Explanation: DST problem attempting to use the system console

Response: A code problem occurred during an attempt to use the system console.

Failing Item:

- LICIP03

- AJDG301
- FI00380

A6005003 A6005003

Explanation: Service program failed

Response: The ASCII system console failed to respond.

Failing Item:

- FI00320
- FI00602
- USER
- AJDG301
- FI00380

A6005004 A6005004

Explanation: DST console failed to respond

Response: The system console failed to respond.

Failing Item:

- RTRIP02
- FI00320
- FI00602
- USER
- AJDG301
- FI00380

A6005005 A6005005

Explanation: Service program failed

Response: The workstation adapter system console failed to respond.

Failing Item:

- WSAIP01
- FI00320
- FI00602
- USER
- AJDG301
- FI00380

A6005007 A6005007

Explanation: Service program failed

Response: The workstation adapter console failed to respond.

Failing Item:

- RTRIP07
- FI00320
- FI00602
- USER

- AJDG301
- FI00380

A6005008 A6005008

Explanation: DST console failed to respond. If an IPL did not find a console and if the console type is set to anything except a 1, the system will display code A6005008.

Response: If you just replaced the LAN adapter associated with Operations Console (LAN), you need to wait at least 35 minutes for the system to find and use the new LAN adapter. In this case, when the system is satisfied, it starts using the new adapter. The console should start, and the SRC is no longer shown.

If you are attempting to use a twinaxial console the only data relevant in this SRC is word 6. Use the information in the list below for the meaning of word 6 to determine the twinaxial failure. The first 4 characters of word 6 contains the last 4 characters of the original failure type. For example, if word 6 contained 50010001, the twinaxial-related SRC would be A6005001 and the console type is set to use a twinaxial console. Refer to that SRC. Word 6 in the form of xxxx yy zz means the following:

- xxxx where:
 - The twinaxial-related SRC is represented by the first 4 characters.
- yy where:
 - 0A = No console tagged
- zz where:
 - 00 = Not defined by user (old default value)
 - 01 = Twinaxial
 - 02 = Operations Console (Direct) (obsolete)
 - 03 = Operations Console (LAN)
 - 04 = Hardware Management Console (HMC) or Thin Console

If you are attempting to use Operations Console, the local console on a network uses words 3, 4, and 5. Use words 3 through 5 to select the appropriate section in the following list.

1. Word 3 is "1": No supported HW detected or HW detected is not expected (for example, you replaced the LAN IOA so the serial number is different) In some cases the serial number of the expected adapter may be shown in word 5.
2. Word 3 is "2": The LAN IOA failed to report.
3. Word 3 is "3": Hardware error. Common error codes in word 4:
 - 53001A80 and 53002AC0: Network, cable or the LAN adapter may not be operational. Word 5 may contain the card position or serial number of the adapter.

- 00000000: This error code indicates the adapter reported but has not been initialized yet. This is not considered an error, at this time. The adapter should be activated shortly. Word 5 may contain the card position or serial number of the adapter.
- CC10031A: Adapter was activated but did not reach LinkUp state. The card was given more than a minute to link up to its partner (probably a switch) and it didn't do so. Likely conditions:
 - The cable is unplugged on one end or the other, or is defective.
 - The switch port is not operational.

Once this error code is received, the problem will not resolve itself until something restarts the device driver. Word 5 may contain the card position or serial number of the adapter.

- For other error codes contact your service provider. Word 5 may contain the card position or serial number of the adapter.
4. Word 3 is "4": BOOTP status: Word 4 contains the number of attempts. If attempts are zero, then BOOTP is ready, when called. If attempts have a value, then the PC did not respond. Word 5 may contain the card position or serial number of the adapter.
 5. Word 3 is "5": The system's LAN connection is active but the PC failed to connect. Are the PC and system on the same network and using the same protocol? Can the PC ping the system? (ping serverhostname). Word 4 contains the IP address. Word 5 may contain the card position or serial number of the adapter.

Problem determination: Look at words 3-8 on the console. If words 3-5 are non-zero the failing item is most likely an ASYNC card. If words 6-8 are non-zero the failing item is most likely a LAN card.

Word 7 meanings for the failure identified:

- 1 Async card not detected.
- 2 No cables detected. Word 8 is the Card position. Word 9 is the card type.
- 3 Wrong cable detected. Word 8 is the card position. Word 9 is the cable ID.
- 4 Port in use. Word 8 is the card position. Word 9 is the card type.
- FA Not configured for direct cable

Note: It is expected that a D-mode IPL with a new load source direct access storage device (DASD) will show the console type value of 00. Examples of when this can occur might be that the copy of data from a failing DASD did not copy all data or you are installing a new logical partition. Also, there are times when the DASD is late reporting and the console type value was not retrieved in time. In these cases you can use the console service function to set a console type value or attempt to contact the console again.

A6005010 • A6005120

Failing Item:

- OPCIP03
- FI00719

A6005010 A6005010

Explanation: IPL service function ended abnormally

Failing Item:

- LICIP04
- AJDG301

A6005014 A6005014

Explanation: DST status. The Storage Management Dual Path Information Screen option to dump data to a PAL has completed successfully.

A6005015 A6005015

Explanation: DST error. An error has occurred gathering data for the Storage Management Dual Path Information Screen option to dump data to a PAL. Contact your next level of support or hardware service provider.

Failing Item:

- NEXTLVL

A6005082 A6005082

Explanation: DST lost contact with the console

Response: A service program lost contact with the system console.

Failing Item:

- RTRIP03
- AJDG301
- USER

A6005083 A6005083

Explanation: IPL service function ended abnormally

Response: A service program lost contact with the system console.

Failing Item:

- TWSIP01
- AJDG301
- USER

A6005090 A6005090

Explanation: System startup failed in unattended IPL mode

Response: Perform the following:

- If reference code A6xx5090 is displayed on the control panel for more than 10 minutes, perform the procedure indicated in the failing item list.
- For reference code B6xx5090, perform the procedure indicated in the failing item list.

Failing Item:

- LICIP11
- FI00580
- FI00500
- FI00301
- FI00021
- FI00065
- AJDG301

A6005092 A6005092

Explanation: System is in DASD migration mode

Response: Install Licensed Internal Code and Upgrade Load Source was specified but the key is not in the manual position. Change the key position to manual and perform a system IPL.

A6005094 A6005094

Explanation: IASP detected a failure during the vary on operation

Failing Item:

- LICIP12

A60050FF A60050FF

Explanation: DST unrecoverable program error

Failing Item:

- LICIP03
- AJDG301
- FI00380

A6005120 A6005120

Explanation: System LIC detected a program exception

Response: System LIC detected a programming problem. If performance or other system degradation is occurring, the system may be operating with reduced resources.

Check the Product activity log for related entries. If this reference code is logged with an error class of Informational, then no action is required.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- LICIP01
- AJDG301

- FI00130

A6005121 A6005121

Explanation: LIC program exception occurred

Response: System LIC detected a programming problem for which a main storage dump may have been initiated. Collect the dump if available.

A problem log entry may be generated for this refcode.

Failing Item:

- LICIP01
- AJDG301

A6005122 A6005122

Explanation: LIC program exception occurred

Response: System LIC detected an IOP programming problem for which an IOP dump may have been initiated.

Failing Item:

- LICIP01
- FI00130
- AJDG301
- FI00131

A6005123 A6005123

Explanation: LIC program exception occurred

Response: System LIC detected an interface problem with the IOP or an IOP programming problem for which an IOP and main storage dump may have been initiated.

Failing Item:

- LICIP01
- FI00130
- AJDG301
- FI00131

A6005126 A6005126

Explanation: Addressed device failed to respond to selection

Failing Item:

- DISKDRV
- STORIOA
- DISKTRY
- FI01106
- FI01140
- FI01141
- DEVTERM
- BACKPLN

A6005127 A6005127

Explanation: IOP timed out a disk command

Failing Item:

- DISKDRV
- STORIOA
- FI01106
- DISKTRY
- FI01140
- FI01141
- DEVTERM
- BACKPLN

A6005128 A6005128

Explanation: I/O processor failure

Failing Item:

- FI01112
- FI01107

A600512D A600512D

Explanation: An IOP dump was initiated

Response: Copy the IOP dump entry and any related entries from the Product Activity Log to suitable media, and give to an IBM service representative.

A600512E A600512E

Explanation: LIC program exception occurred

Response: The system was in a D IPL mode when the problem was detected. A main storage dump was not taken.

Failing Item:

- LICIP01
- AJDG301
- FI00130

A6005192 A6005192

Explanation: Insufficient entitled memory for the I/O configuration

Response: Use the hardware management console to increase the entitled memory capacity of the partition and restart the I/O adapter. To restart a storage I/O adapter, use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. To restart a communications I/O adapter, vary the line off and vary it on using the vary configuration (VRYCFG) command.

Failing Item:

- SVCDOCS

A6005193 • A6005310

A6005193 A6005193

Explanation: Virtual adapter not supported in a shared memory partition

Response: Use the hardware management console to remove the virtual adapter from the partition.

Failing Item:

- SVCDOCS

A6005194 A6005194

Explanation: Insufficient entitled memory for the I/O configuration

Response: Use the hardware management console to increase the entitled memory capacity of the partition and restart the partition.

Failing Item:

- SVCDOCS

A6005206 A6005206

Explanation: System LIC detected a missing IOP LIC code load

Response: System LIC detected a missing IOP LIC code load during IPL of the IOP. This indicates that either the IOP code load is not installed on the system Load Source device or that system LIC was unable to successfully read that load from the Load Source device.

Failing Item:

- LICIP01
- USER

A6005209 A6005209

Explanation: System LIC detected an IOP timeout during IOP IPL

Response: Verify that all IOP cable connections are secure, and check tape and other non-disk devices and media to verify that they are in a ready state.

Failing Item:

- LICIP01
- USER
- FI00130
- AJDG301

A6005219 A6005219

Explanation: LIC program exception occurred

Response: An IOP signaled to system LIC that it had entered a critical internal state. LIC automatically attempted to restart the IOP.

This reference code is logged for information only. No action is required.

Failing Item:

- FI00310
- FI00318
- FI00065
- FI00130
- AJDG301

A6005275 A6005275

Explanation: The system issued a reset/reload to the IOP.

Response: System Licensed Internal Code detected that an IOP Reset/Reload has occurred, and that the IOP successfully recovered.

Users who were signed on to a Workstation device under the IOP will need to sign back on. Any LAN/WAN communications lines under the IOP will need to be restarted. Tape/Optical devices under the IOP may need to be varied back on.

To determine the cause of the IOP Reset/Reload, check the Product Activity Log for additional entries logged with the same System Log ID, and perform any actions indicated for those errors.

A6005276 A6005276

Explanation: IOP Reset was issued

Response: LIC has detected a problem with the Service Processor IOP and has reset it but has not initiated reload of the Service Processor.

If the Load Source is mirrored, some system operations may be able to continue normally. However, some system service operations have been suspended and the system should be scheduled for power down as soon as possible.

Failing Item:

- RTRIP08
- AJGLD01
- AJDG301
- FI00021

A6005310 A6005310

Explanation: LIC program exception occurred

Response: System LIC detected a logical partition configuration data consistency error. Copy the Product Activity Log data for this error and any related entries and contact your next level of hardware service support.

Failing Item:

- LPARSUP

A6005311 A6005311

Explanation: LIC program exception occurred

Response: LPAR configuration data does not match current system configuration. The system will not IPL past DST until the problem is corrected.

Following is a list of problems which may have caused this SRC to be reported:

- Non-configured disk unit which was previously a load source on a partitioned system.
- Load Source configuration data does not match partition for which it is being used.
- Load Source configuration data does not match system serial number for which it is being used.
- Load Source configuration data is newer than primary partition configuration data.

Failing Item:

- LPRIP01
 - LPARSUP
-

A6005312 A6005312

Explanation: LIC program exception occurred

Response: LPAR configuration data informational error.

The LPAR configuration data was found to be in error or inconsistent on a secondary partition's Load Source. The data was automatically updated to the current system level.

A6005313 A6005313

Explanation: LIC program exception occurred

Response: LPAR configuration data informational error.

The LPAR configuration data was found to be inconsistent on a primary partition and could only be corrected with an older copy of the data.

Failing Item:

- LPARCFG
-

A6005340 A6005340

Explanation: Secondary partition not running at optimum.

Response: Check the Primary partition's Product Activity Log for system processor entries from approximately the same time. Perform the actions indicated for those entries.

A6005341 A6005341

Explanation: Secondary partition not running at optimum.

Response: Check the primary partition Product Activity Log for system memory entries from approximately the same time. Perform the actions indicated for those entries.

A6005342 A6005342

Explanation: Secondary partition not running at optimum.

Response: Check the Primary partition's Product Activity Log for system processor entries from approximately the same time. Perform the actions indicated for those entries.

A6005343 A6005343

Explanation: Secondary partition not running at optimum.

Response: Check the Primary partition's Product Activity Log for system memory errors from approximately the same time. Perform the actions indicated for those entries.

A6005344 A6005344

Explanation: Secondary partition not running at optimum.

Response: The interactive performance specified in the configuration data for this partition could not be met.

Contact your next level of support.

Failing Item:

- LPARSUP
-

A6005350 A6005350

Explanation: Secondary partition software release not supported

Response: The logical partition software version is outside the supported release delta.

Check the Release Delta from the Primary partition "Display Partition Release Level" screen.

Check the LPAR documentation for the release level of the Primary partition and determine what the supported Release Delta is.

A6005380 A6005380

Explanation: LIC program exception occurred

Response: Record the Product Activity Log (PAL) hex data for this SRC or print the PAL entry.

A6005390 • A6006907

Contact your next level of support.

Failing Item:

- LPARSUP

A6005390 A6005390

Explanation: LIC program exception occurred

Response: Record the Product Activity Log (PAL) hex data for this SRC or print the PAL entry.

Contact your next level of support.

Failing Item:

- LPARSUP

A6005505 A6005505

Explanation: The copying of DASD log data to the IOP log was successful

Response: IOP log data can be copied to a spool file for examination by the development lab.

A6005555 A6005555

Explanation: SLIC I/O DASD subsystem error recovery in progress.

A6005600 A6005600

Explanation: Unrecoverable read error

Response: VPD data could not be read.

Look for other errors implicating hardware. There is no way to know what VPD read has failed, but the resource is not usable and should generate an error.

If no such error occurred, call your next level of support.

Failing Item:

- SVCDOCS

A6006900 A6006900

Explanation: System bus error

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

A6006901 A6006901

Explanation: Bus Expansion Adapter card failed

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

A6006902 A6006902

Explanation: Bus Expansion Adapter card failed

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

A6006905 A6006905

Explanation: Optical bus failed

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

A6006906 A6006906

Explanation: High Speed Link (HSL) I/O bridge failure

Response: LIC could not access part of the HSL I/O bridge VPD. The bridge and HSL loop may be prevented from becoming operational.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event viewer you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log (SAL) or serviceable event view on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item:

- SIOADP
- OPT_CLN

A6006907 A6006907

Explanation: High Speed Link (HSL) I/O bridge failure

Response: LIC detected invalid data in the HSL I/O bridge VPD. The bridge and HSL loop may not have become operational.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log (SAL) or serviceable event view on the hardware management console, is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item:

- SIIOADP
- OPT_CLN

A6006908 A6006908

Explanation: High Speed Link (HSL) I/O bridge failure

Response: LIC data in the I/O bus VPD could not be accessed. The I/O Bus identified in the SRC may not have become operational.

If there is a B6xx 6906 reference code, close this problem in the serviceable event view you are working with and work the 6906 error.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log or serviceable event view on the hardware management console or service processor is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item:

- SIIOADP
- OPT_CLN

A6006909 A6006909

Explanation: High Speed Link (HSL) I/O bridge failure

Response: LIC detected invalid data in the I/O bus VPD. The bus and resources associated with it may not be operational.

For this reference code the failing item list presented in

the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log (SAL) or serviceable event viewer on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

If the serviceable event view only indicated a frame or enclosure see the locations section for the frame or enclosure type. The location of the HSL I/O Bridge will be given in the locations tables.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item:

- SIIOADP
- OPT_CLN

A600690A A600690A

Explanation: Associated adapter not found in this partition

Failing Item:

- LICIP16

A6006910 A6006910

Explanation: I/O processor failure

Response: An I/O processor timed out, returned bad status, or is not following the system bus protocol.

Failing Item:

- LICIP07
- FI00310
- FI00318
- FI00065
- FI00130
- AJDG301

A6006938 A6006938

Explanation: Not valid system configuration detected

Response: This system model does not allow a configuration of more than three (non-OptiConnect) I/O Processors.

Power down the system and remove the extra (non-OptiConnect) I/O Processor(s) so that there are three or less. Restart the system.

A6006944 A6006944

Explanation: Missing or failed I/O processor cards

Response: A system bus appears to be empty. If the bus is not empty, two I/O processors in consecutive slots may be missing or broken. If there are broken I/O processors, then another more serious SRC has occurred. Otherwise find the bus number for this failure from the Product activity log and use the system configuration list to verify the configuration of the I/O processors on that bus.

Failing Item:

- FI00317
- FI00316
- AJDG301

A6006960 A6006960

Explanation: Multi-adapter bridge card slot error, do not use card slot

Response: Slot unavailable due to 64 bit card in adjacent slot.

One of the messages documented with the symbolic FRU will describe the problem. See SLOTERR symbolic FRU for a list of messages and corrective actions.

Failing Item:

- SLOTERR

A6006961 A6006961

Explanation: Multi-adapter bridge card slot error, do not use card slot

Response: LED control failure, do not use slot.

The card location is not available for use. The Failing Item with the card slot error is in the Failing Item list for this reference code.

See SLOTERR symbolic FRU for the list of messages and a further description of the problem detected by Licensed Internal Code.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log or a serviceable event viewer on the hardware management console is available for this problem then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

Failing Item:

- SLOTERR
- MASBUS

A6006962 A6006962

Explanation: Multi-adapter bridge card slot error, do not use card slot

Response: Power control failure, do not use slot.

If there is a Linux partition in the system, any IOPs plugged into slots owned by a Linux partition will not power on. This error will be logged. Correct the situation by removing the IOP cards.

The card location is not available for use. The Failing Item with the card slot error is in the Failing Item list for this reference code.

See SLOTERR symbolic FRU for the list of messages and a further description of the problem detected by Licensed Internal Code.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log, or serviceable event view on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

Failing Item:

- SLOTERR
- MASBUS

A6006963 A6006963

Explanation: Multi-adapter bridge card slot error, do not use card slot

Response: Power control failure, do not use slot.

The card location is not available for use. The Failing Item with the card slot error is in the Failing Item list for this reference code.

See SLOTERR symbolic FRU for the list of messages and a further description of the problem detected by Licensed Internal Code.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event viewer you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log or serviceable event viewer on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

Failing Item:

- SLOTERR
- MASBUS

A6006964 A6006964

Explanation: Multi-adapter bridge configuration change or error

Response: One of several errors or configuration problems has occurred under a Multi-adapter bridge. If you are using the Service Action Log (SAL), or the serviceable event viewer on the hardware management console or the service processor, then the correct FRU, description and card position(s) will be listed. Use the FRUs and descriptions in the serviceable event view you are working with to determine the problem.

If you do not have access to the Service Action Log, or serviceable event view on the hardware management console or service processor, then word 4 of the SRC has more information. Examine the last 4 digits in word 4 to determine the problem by comparing them to the list below and using the FRU(s) listed here.

1. xxxx2022 - IOP found in slots owned by a Linux partition. The Multi-adapter Bridge and PCI Bridge set that it controls are assigned to a Linux partition. The IOP found in the SLOT indicated by the DSA in word 7 will not be configured.
2. xxxx2014 - I/O adapters were found under the Multi-adapter Bridge but there is no IOP to support them. The adapters cannot be used.
3. xxxx2015 - An card type was found that cannot be supported in the card position where it is located.

See MABRCFG symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item:

- MABRCFG

A6006965 A6006965

Explanation: Multi-adapter bridge configuration change or error

Response: Card type not supported in this slot.

An I/O processor or I/O adapter card type is installed in the location indicated in word 7 of the SRC. The

card type is not supported in that slot under the multi-adapter bridge. The card is unavailable.

See MABRCFG symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item:

- MABRCFG

A6006966 A6006966

Explanation: Multi-adapter bridge configuration change or error

Response: I/O processor removed from multi-adapter bridge card slot.

On the previous IPL an I/O processor was in the card location specified in word 7 of the SRC. The I/O processor was not detected on this IPL.

See MABRCFG symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item:

- MABRCFG

A6006967 A6006967

Explanation: Multi-adapter bridge configuration change or error

Response: I/O adapter unavailable due to moved I/O processor card.

The I/O adapter specified in word 7 of the SRC is not available. On the previous IPL there was an I/O processor card the adapter was assigned to. The I/O processor was not detected on this IPL.

See MABRCFG symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item:

- MABRCFG

A6006968 A6006968

Explanation: Multi-adapter bridge configuration change or error

Response: IOA removed from multi-adapter bridge slot.

On the previous IPL an I/O adapter was in the card slot specified in word 7 of the SRC. That I/O adapter was not detected on this IPL.

See MABRCFG symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item:

A6006969 • A6006971

- MABRCFG

A6006969 A6006969

Explanation: Multi-adapter bridge configuration change or error

Response: I/O adapter replaced by I/O processor card.

On the previous IPL there was an I/O adapter in the location specified in word 7 of the SRC. This IPL LIC detected that the IOA was replaced by an IOP in that location.

See MABRCFG symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item:

- MABRCFG

A600696A A600696A

Explanation: Card slot test failed

Failing Item:

- LICIP14
- FI00131
- BACKPLN

A600696B A600696B

Explanation: Card slot could not be validated

Response: This can be caused by "PCI error injection policy" being set to "YES" and an I/O Processor being installed on the same Multi-adapter bridge domain as the I/O Adapter. Do one of the following:

-- Using the hardware management console or a customer PC with a Web browser access the Advanced System Management Interface (ASMI) and disable PCI error injection policy.

OR

-- Vary off the I/O Adapter. Using Hardware Service manager in SST/DST, locate the I/O Adapter resource. Using concurrent maintenance on the associated packaging resource, remove the I/O Adapter and install it in a location that does not have I/O Processors on the same Multi-adapter bridge domain.

OR

-- Vary off the I/O Adapter. Use the concurrent maintenance option in Hardware Service Manager in SST/DST to power off all I/O Processors located on the same multi-adapter bridge domain as the I/O Adapter. Use concurrent maintenance to power off and power on the I/O Adapter. Then use concurrent maintenance to power on the I/O Processors located on the same multi-adapter bridge domain as the I/O Adapter.

A6006970 A6006970

Explanation: High Speed Link (HSL) resource failure

Response: A system PCI bus failure was detected. Word 7 of the SRC contains the bus number.

This failure can occur when a tower in an HSL loop is powered off using concurrent maintenance. If this is the case, close this problem.

This error is most likely in the hardware that makes up the PCI bus, the PCI bus side of the HSL I/O bridge or the multi-adapter bridge. In some cases it may be caused by a failing IOP in the multi-adapter bridge's domain. When an IOP is causing the problem, the failing IOP cannot be identified.

NOTE: This SRC can occur for the PCI bus resource on a PCI bus in an I/O expansion unit when the unit is powered off for a concurrent maintenance action.

If the Service Action Log, or serviceable event view on the hardware management console or service processor, is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item:

- SI_PHB
- PRI_PCI
- MA_BRDG
- MABIP03
- BRDGSET
- OPT_CLN

A6006971 A6006971

Explanation: High Speed Link (HSL) resource failure

Response: A failure occurred in a multi-adapter bridge or on the bus to the card location it controls.

If a serviceable event view is available, use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available, use the failing item list documented here.

Failing Item:

- MABIP02
 - MA_BRDG
 - MASBUS
 - PIOCARD
-

A6006972 **A6006972**

Explanation: High Speed Link (HSL) resource failure

Response: Multi-adapter Bridge (MaB) failure detected.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event viewer you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log (SAL) or serviceable event viewer on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

Failing Item:

- MA_BRDG

A6006973 **A6006973**

Explanation: High Speed Link (HSL) resource failure

Response: Multi-adapter Bridge has detected a problem in the card installed in the location specified in word 7 of the SRC. Use the FRU list in the Service Action Log (SAL), or serviceable event view you are working with. If you are working from this document's FRU list use the Symbolic FRU BRDGSET to determine the failing items.

Failing Item:

- BRDGSET
- SIIOADP
- MA_BRDG

A6006974 **A6006974**

Explanation: Multi-adapter bridge configuration change or error

Response: PCI I/O processor rejected the assignment of or the removal of an I/O adapter.

Failing Item:

- MABRCFG

A6006975 **A6006975**

Explanation: The system issued a reset/reload to the service processor.

Response: Service processor error.

Failing Item:

- AJDGP01

A6006976 **A6006976**

Explanation: Service processor failure.

Response: For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log (SAL) or a serviceable event viewer on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If a serviceable event viewer is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

Failing Item:

- SVCPROC

A6006980 **A6006980**

Explanation: Network Interface Controller / IO Hub failure.

Response: For Power5 and newer servers, service this error using the B7006980 service information. Otherwise, continue with this information.

The FRU list displayed in the Service Action Log (SAL) or serviceable event view you are working with, may vary from the failing item list given in this document. Use the FRU list in the serviceable event view if it is available to you.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item:

- SICNTRL
- OPT_CLN

A6006981 **A6006981**

Explanation: High Speed Link (HSL) I/O bridge failure

Response: For Power5 and newer servers, service this error using the B7006981 service information. Otherwise, continue with this information.

Cycle power on the frame identified as the frame with failed HSL I/O Bridge prior to replacing FRUs.

The FRU list displayed in the Service Action Log (SAL), or serviceable event view you are using, may vary from the failing item list given in this document. Use the FRU list in the serviceable event view if it is available to you.

If you find either a B6xx 6982 or B6xx 6984 SRC logged

A6006982 • A6006985

at approximately the same time as this SRC then they were caused by the same failure. If you find a 6982 SRC logged at approximately the same time then close this problem and service the 6982 SRC. The failing item listed for this SRC is one of the failing items listed for B6xx 6982. If the serviceable event view's entry for this SRC has a location listed then record the location for use in servicing the 6982 SRC.

NOTE: This SRC can occur for the HSL I/O Bridge resource in an I/O expansion unit when the unit is powered off for a concurrent maintenance action.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item:

- SIIOADP
- OPT_CLN

A6006982 A6006982

Explanation: High Speed Link (HSL) connection failure

Response: For Power5 and newer servers, service this error using the B7006982 service information. Otherwise, continue with this information.

If this SRC is not in the Service Action Log (SAL) or serviceable event view you are using, then it is informational or statistical only. It does not require a service action.

Otherwise, this is a connection failure on an HSL link. Perform the procedure indicated in the failing item list.

Failing Item:

- RIOIP09
- HSL_LNK
- SIIOADP
- SICNTRL
- REM_NIC
- OPT_CLN

A6006983 A6006983

Explanation: An invalid High Speed Link (HSL) configuration was detected

Response: For Power5 and newer servers, service this error using the B7006983 service information. Otherwise, continue with this information.

An HSL loop has an invalid configuration. Word 4 of the SRC contains the program return code (PRC) which identifies the problem with the loop's configuration. Use the PRC and the FRU listed below to determine the problem.

If you are using the Service Action Log (SAL) or serviceable event view you are working with, the FRU

description may already indicate the configuration problem.

Failing Item:

- SIRGCFG

A6006984 A6006984

Explanation: High Speed Link (HSL) loop status message

Response: For Power5 and newer servers, service this error using the B7006984 service information. Otherwise, continue with this information.

An HSL loop has switched to its alternate path. This is an informational SRC only.

Word 7 of the SRC contains the loop number in the leftmost 4 digits. The loop number is in hexadecimal format. You must convert the hexadecimal loop number into decimal format to recognize the loop number in HSM.

This SRC can be caused by a tower on the HSL loop powering off.

This SRC may also appear in the Service Action Log (SAL), or serviceable event viewer you are using, with a B6xx 6982 or B6xx 6981 logged at approximately the same time. In that case the other SRC is reporting a failure and this SRC is reporting that the alternate HSL path is now being used. Service the other SRC if present.

A6006985 A6006985

Explanation: High Speed Link (HSL) loop status message

Response: For Power5 and newer servers, service this error using the B7006985 service information. Otherwise, continue with this information.

If this SRC is not in the Service Action Log (SAL), or serviceable event view you are using, then it is informational. Use FRU SIRSTAT to determine what this SRC means. Otherwise, continue with the following steps:

This error can appear as a serviceable event when a tower, or I/O unit or another system in the loop did not complete powering on before LIC on this system checked this loop for errors. Search the Product Activity Log (PAL) for the last B6xx 6985 SRC logged for this loop and use FRU SIRSTAT to determine if this error requires service. If the last entry indicates the loop is functioning (determined by FRU SIRSTAT) then no service action is required, close this problem

There may be multiple B6xx 6985 logs with xxxx 3205 in word 4 errors for the same loop resource in the serviceable event view. This is caused by retry and recovery attempts. If there is a B6xx 6985 with xxxx 3206 or xxxx 3208 in word 4 after the above B6xx 6985

entries in the PAL, then the recovery efforts were successful. If this is the case, close all the B6xx 6985 entries for that loop resource in the serviceable event view.

1. If you find a B6xx 6981 in the serviceable event view then close that problem and go to step 2. Otherwise perform the following:
 - Perform RIOIP06 to determine if any other systems are connected to this loop and return here. (HSL_LNK or HSLxxxx FRU in the Service Action Log (SAL) entry, or serviceable event view you are working with, indicates the loop number.) If there are other system(s) then continue with the steps that follow, otherwise go to step 2.
 - Check for HSL failures on the other system(s) before replacing parts. HSL failures are serviceable event entries with HSL I/O Bridge and Network Interface Controller (NIC) resources. Ignore B6xx 6982 and B6xx 6984 entries. If there are HSL failures on other system(s) then continue with the steps that follow, otherwise go to step 2.
 - Repair the problems on the other systems and return to this step. After making repairs on the other system(s) check the Product Activity Log (PAL) of this system for a B6xx 6985 logged after the repairs you made on the other system(s). If you find one then continue with the steps that follow, otherwise go to step 2.
 - For the B6xx 6985 log you found, use FRU SIRSTAT to determine if the loop is now complete. If the loop is complete then this problem has been resolved. Use RIOIP01 to verify that the loop is now working properly. Otherwise, go to step 2.
2. Use the serviceable event's FRU list when it is available.

If this SRC appears in the Service Action Log (SAL), or the serviceable event view you are using, with the Symbolic FRU HSL_LNK or HSLxxxx listed as a FRU, then perform problem isolation procedure RIOIP01. Otherwise exchange the FRUs listed in the serviceable event view.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item:

- SIRSTAT
- HSL_LNK
- SIIOADP
- SICNTRL
- OPT_CLN

A6006986 A6006986

Explanation: System bus error

Response: For Power5 and newer servers, service this error using the B7006986 service information. Otherwise, continue with this information.

During IPL, system LIC detected an HSL I/O bridge that was already initialized. The bridge should have been in a flushed and uninitialized state after powering on. There is a problem with SPCN components that prevented the tower from powering off after a previous power off was issued. The tower will not be configured for this IPL.

This reference code is equivalent to 1xxx 90F0. When referring to the "CBLALL" symbolic FRU in the Failing Item list, perform the "CBLALL" procedure using reference code "90F0".

Word 5 of the SRC identifies the frame. Determine the frame by breaking down word 5:

Word 5 -> xxxx xxNN where: NN is the frame number in hexadecimal format.

Failing Item:

- TWRCARD
- CBLALL

A6006987 A6006987

Explanation: High Speed Link (HSL) connection failure

Response: For Power5 and newer servers, service this error using the B7006987 service information. Otherwise, continue with this information.

Failures are occurring on the HSL link.

There may be B6xx 6982 errors logged on the same loop and about the same time as this error. Close those errors and continue to correct the problem by working this error.

- If there is a cable FRU in the serviceable event entry:
 1. If the connection is copper and either end has a loose connection, re-seat the cable. To do this, disconnect the connection and wait a minimum of 30 seconds. Then reconnect the cable and complete the tightening process in at most 30 seconds. Repeat the process at the other end of the cable. If the error persists, replace the FRUs in the Service Action Log (SAL), or serviceable event view you are using.
 2. If the connection is optical, clean the connections at both ends of the cable. If the error persists, replace the FRUs in the Service Action Log (SAL), serviceable event view you are using.
 3. If the error persists, replace the FRUs at each end of the cable starting with the FROM FRU listed in the serviceable event view you are using.

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- If there was no cable in the Service Action Log (SAL), or serviceable event view you are using, then replace the FRUs listed in the serviceable event view.

Failing Item:

- HSL_LNK
- OPT_CLN

A6006990 A6006990

Explanation: Service processor failure.

Response: The FRU list displayed in the Service Action Log (SAL), or serviceable event view you are working with, may vary from the failing item list given in this document. Use the FRU list in the serviceable event view if it is available to you.

Failing Item:

- SVCPROC

A6006991 A6006991

Explanation: Service processor failure.

Failing Item:

- AJDGP01

A6006992 A6006992

Explanation: Service processor failure.

Failing Item:

- AJDGP01

A6006993 A6006993

Explanation: Service processor failure.

Response: A failure occurred with the service processor hardware or the service processor LIC.

The FRU list displayed in the Service Action Log (SAL), or serviceable event view you are working with, may vary from the failing item list given in this document. Use the FRU list in the serviceable event view if it is available to you.

Failing Item:

- SVCPROC
- AJDGP01

A6006994 A6006994

Explanation: Service processor failure.

Response: The FRU list displayed in the Service Action Log (SAL) or serviceable event view you are working with, may vary from the failing item list given in this document. Use the FRU list in the serviceable event view if it is available to you.

Failing Item:

- SVCPROC

A600699C A600699C

Explanation: Wrap plug is installed on Bus Expansion Adapter card

Response: This reference code is for information only. It indicates the presence of a wrap plug on the local optical link card.

A60069A8 A60069A8

Explanation: Informational bus reference code

Response: This reference code is for information only and might include the following:

- Optical speed encode
- Broken optical links now operational
- Other information

A60069B8 A60069B8

Explanation: Bus hardware configuration problem

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

A60069C1 A60069C1

Explanation: A failure occurred communicating with another LPAR or system participating in Opti-connect with this LPAR or system. Starting with IBM i release 7.1 this event will be logged in the Product Activity Log but it will not be in the Service Action Log or the Problem Log. This event normally occurs when the other LPAR or system is powered off. If both LPARs or systems are running and have no Opti-connect errors then this event is indicating a possible problem with Opti-connect.

Response: Contact your next level of support if you suspect an Opti-connect problem. Otherwise this is a tracking event.

Failing Item:

- NEXTLVL

A60069C2 A60069C2

Explanation: HSL Opticonnect normal connect to another sys. or partition.

Response: This reference code is informational only. HSL OptiConnect has established connection normally. The local system or partition is participating in HSL Opticonnect with other systems or partitions on the same HSL loop.

A60069C3 **A60069C3**

Explanation: HSL Opticonnect normal disconnect from other sys. or partition

Response: This reference code is informational only.

HSL Opticonnect disconnected normally from a remote node. The local system or partition has stopped participating in HSL Opticonnect with the remote system or partition on the same HSL loop. Possible reasons include:

- A remote system or partition went off line due to a normal power off or disable of HSL Opticonnect.

A60069C5 **A60069C5**

Explanation: I/O processor failure

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

A60069C6 **A60069C6**

Explanation: HSL Opticonnect abnormal disconnect from other sys. or partition.

Response: The local system or partition disconnected from a remote system or partition due to an unexpected event or failure. The problem is most likely with the remote system or partition. Intervention at the remote system is most likely required. Examine both the local and remote HSL OptiConnected systems or partitions for problems on this HSL loop.

Possible reasons include: A fatal error in software or hardware in the remote system or partition or a power failure in the remote system.

If there was not a complete HSL loop before this error occurred then a failure or power down in an HSL component between the local system or partition and the remote system or partition could have caused this error. Check for a problem with: an HSL cable, HSL I/O bridge or a power problem in an expansion I/O tower or unit on this loop.

Examine the Service Action Log (SAL), or serviceable event view you are using on the local system or partition for HSL failures on the same HSL loop at approximately the same time this error occurred.

Examine the remote system or partition for problems. If the remote system or partition is powered on and IPL'd then examine the Service Action Log (SAL), or serviceable event view you are using, on the remote system or partition for problems on the same HSL loop at approximately the same time this error occurred.

Correct any problems you find with the remote and local systems or partitions that happened at approximately the same time and involve HSL Opticonnect or HSL loop components or Network

Interface Controllers. When the remote system is IPL'd it will automatically reconnect with this system or partition.

If there are no problems with the remote system or partition and there are no problems with the local system or partition then collect all the Product Activity Log information for this failure on both systems. Be sure to record all words in the SRC. Contact your next level of support.

Failing Item:

- REM_SYS

A60069C7 **A60069C7**

Explanation: HSL Opticonnect abnormal disconnect from other sys. or partition.

Response: The local system or partition disconnected from a remote system or partition due to an unexpected event or failure. LIC will attempt to recover from the error. Intervention at the local or remote system or partition may be required.

Possible causes are: time out, hang or hardware failure. The problem may be with: the local system or partition or the remote system or partition.

If there was not a complete HSL loop before this error then a failure or power down in an HSL component between the local system or partition and the remote system or partition could have caused this error. Check for SRCs with FRUs like: HSL cables, HSL I/O bridge or a power problem in an expansion I/O tower or unit on this loop.

Examine the SAL or serviceable event view you are working with on the local system or partition for failures on the same loop, or with the Network Interface Controller at approximately the same time.

Examine the remote system or partition for problems. Correct any HSL or NIC problems you find with the remote and local systems or partitions.

If there are no problems with the remote system or partition and there are no problems with the local system or partition then collect all the Product Activity Log (PAL) information for this failure on both systems. Be sure to record all words in the SRC. Contact your next level of support.

Failing Item:

- REM_SYS
- LOC_SYS

A60069C8 **A60069C8**

Explanation: HSL Opticonnect abnormal disconnect from other sys. or partition.

Response: The local system or partition disconnected from a remote system or partition due to an unexpected event or failure. All of the HSL

A60069C9 • A60069D0

OptiConnect connections on this loop will be in a failed state. LIC will attempt to recover from the error. Intervention at the local or remote system or partition may be required. Possible causes are:

- time out of a critical message
- LIC code / table problem
- Network deadlock detected

The problem may be with:

- The local system or partition
- The remote system or partition

Examine the Service Action Log (SAL), or serviceable event view you are using, on the local system or partition for HSL failures on the same HSL loop, or with the Network Interface Controller at approximately the same time this error occurred.

Examine the remote system or partition for problems. Examine the Service Action Log (SAL), or serviceable event view you are using, on the remote system or partition for problems on the same HSL loop or with the Network Interface Controller at approximately the same time this error occurred.

Correct any problems you find with the remote and local systems or partitions that happened at approximately the same time and involve HSL Opticonnect or HSL loop components or Network Interface Controllers.

If there are no problems with the remote system or partition and there are no problems with the local system or partition then collect all the Product Activity Log information for this failure on all systems or partitions. Be sure to record all words in the SRCs. Contact your next level of support.

Failing Item:

- REM_SYS
- LOC_SYS
- AJDG301

A60069C9 A60069C9

Explanation: HSL Opticonnect abnormal disconnect from other sys. or partition.

Response: The local system or partition disconnected from a remote system or partition due to an failure in a LIC virtualized bus unit. LIC will attempt to recover from the error. Possible causes are:

- LIC problem where the local bus unit is off line.
- LIC problem where the remote bus unit is off line.

Examine the Service Action Log (SAL), or serviceable event view you are using, on the local system or partition for HSL Opticonnect failures that occurred at approximately the same time this error occurred.

Examine the remote system or partition for problems. Examine the Service Action Log (SAL), or the serviceable event view you are using, on the remote system or partition for HSL Opticonnect problems that occurred at approximately the same time this error occurred.

Collect all the Product Activity Log information for this failure on all systems and partitions on this HSL loop. Be sure to record all words in the SRCs. Contact your next level of support with the information you have collected.

Failing Item:

- AJDG301
- REM_SYS
- LOC_SYS

A60069CF A60069CF

Explanation: HSL Opticonnect abnormal disconnect from other sys. or partition.

Response: LIC internal error. All systems participating in HSL OptiConnect will be disconnected. The system must be re-IPL'd to recover. Before re-IPL'ing the system initiate a main store dump.

After getting the dump, examine the Service Action Log (SAL), or serviceable event view you are using, on the local system or partition for HSL Opticonnect failures that occurred at approximately the same time this error occurred.

Examine the remote systems or partitions for problems. Examine the Service Action Log (SAL), or serviceable event view you are using, on the remote systems or partitions for HSL Opticonnect problems that occurred at approximately the same time this error occurred.

Collect all the Product Activity Log information for this failure on all systems and partitions on this HSL loop. Be sure to record all words in the SRCs. Contact your next level of support with the information you have collected.

Failing Item:

- AJDG301

A60069D0 A60069D0

Explanation: Bus Expansion Adapter card failed

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

A60069D8 **A60069D8****Explanation:** Bus Expansion Adapter failed**Response:** Contact your next level of support.**Failing Item:**

- NEXTLVL
-

A60069D9 **A60069D9****Explanation:** Host Ethernet Adapter (HEA) failure**Response:** Firmware detected a hardware failure in the Host Ethernet Adapter (HEA).**Failing Item:**

- HEA
-

A60069DA **A60069DA****Explanation:** System log entry only, no service action required

A60069DB **A60069DB****Explanation:** LIC failure**Response:** A Licensed Internal Code error occurred. The partition will continue to run with this Host Ethernet Adapter (HEA) disabled. Perform a partition dump and then IPL the partition to recover the HEA. Send the partition dump to your next level of support.**Failing Item:**

- SVCDOCS
-

A60069DC **A60069DC****Explanation:** The HEA is not connected to the Ethernet switch**Response:** The Host Ethernet Adapter (HEA) is not connected to the Ethernet switch. If the HEA connection is not needed, no service action is required.

If the HEA connection is needed, verify that the cable is connected and the switch is powered on. After repairing the problem, verify that the connection has been restored.

A60069DD **A60069DD****Explanation:** The HEA connection to the Ethernet switch has been restored**Response:** System log entry only, no service action required.

A60069DE **A60069DE****Explanation:** HEA Media Interface Adapter Failure**Response:** Firmware detected a failure in the HEA Media Interface Adapter.**Failing Item:**

- HEA
 - AJDG301
-

A60069E0 **A60069E0****Explanation:** Bus Expansion Adapter card failed**Response:** Contact your next level of support.**Failing Item:**

- NEXTLVL
-

A60069E8 **A60069E8****Explanation:** Bus Expansion Adapter failed**Response:** Contact your next level of support.**Failing Item:**

- NEXTLVL
-

A60069F0 **A60069F0****Explanation:** Bus Expansion Adapter failed**Response:** Contact your next level of support.**Failing Item:**

- NEXTLVL
-

A60069F8 **A60069F8****Explanation:** Bus Expansion Adapter failed**Response:** Contact your next level of support.**Failing Item:**

- NEXTLVL
-

A6007001 **A6007001****Explanation:** ISDN call in rejected**Failing Item:**

- UG3LB
-

A6007004 **A6007004****Explanation:** TCP/IP informational error**Response:** This reference code is logged when the TCP/IP Attribute Log Protocol Errors is set, and the TCP/IP System LIC silently discards an in bound datagram. Silently discard is defined to mean discard the received datagram without reporting an error to the originating host device. Examples of such datagrams

A6007055 • A6007777

are those with checksums or destination addresses which are not valid.

This reference code is for information only. Normally no action should be taken as a result of this reference code. It is generated in order to assist with remote device or TCP/IP network problem determination.

A6007055 **A6007055**

Explanation: Statistics were logged, no service action required

Response: This reference code is logged for information only.

A6007102 **A6007102**

Explanation: APPN CP-CP session ended.

A6007201 **A6007201**

Explanation: A utility failure occurred

Response: This reference code is for information only. The Uninterruptible Power System (UPS) is reporting a utility failure.

A6007202 **A6007202**

Explanation: Utility power restored

Response: This reference code is for information only. The Uninterruptible Power System (UPS) is reporting that utility power has been restored.

A6007203 **A6007203**

Explanation: A battery low condition was detected

Response: This reference code is for information only. The Uninterruptible Power System (UPS) is reporting a battery low condition.

A6007204 **A6007204**

Explanation: Uninterruptible Power System reported a bypass active

Response: This reference code is for information only. The Uninterruptible Power System (UPS) is reporting a bypass is active.

A6007205 **A6007205**

Explanation: Battery low condition was reset

Response: This reference code is for information only. The Uninterruptible Power System (UPS) is no longer reporting a battery low condition.

A6007206 **A6007206**

Explanation: UPS reported bypass no longer active

Response: This reference code is for information only. The Uninterruptible Power System (UPS) is no longer reporting a bypass active condition.

A600720A **A600720A**

Explanation: Battery Power Unit replacement dates do not match

Response: The replacement dates for one of the Battery Power Units do not match. Run "Display Hardware Configuration" and verify that the dates match the labels on the batteries.

A6007703 **A6007703**

Explanation: System LIC detected a program exception

Response: Storage Management detected a DASD datacheck condition and the defective sector was reallocated.

Perform a system IPL to restart the system.

A6007704 **A6007704**

Explanation: General failure detected by HRI component.

Failing Item:

- AJDG301

A6007777 **A6007777**

Explanation: Hardware configuration change detected

Response: A hardware resource is missing. The resource reported in to the system on a previous IPL, but has not reported in on the current IPL. This could occur for several different reasons.

1. It could be a normal situation where the resource is currently powered off. In this case, when the resource is powered back on, it will no longer be missing.
2. The hardware resource could also be missing if it has been removed from the system, for example, a tape drive that was replaced with a different tape drive. The service representative should use the Hardware service manager to remove the entry for this resource.
3. The resource may not have reported in on this IPL because it is failing. Perform problem analysis to determine why the resource is failing.

A6008000 **A6008000**

Explanation: An external storage subsystem disk unit connection failed

Response: Look for other errors in the Service Action Log (SAL), or serviceable event view you are working with, and fix them.

A6008001 **A6008001**

Explanation: An external storage subsystem disk unit connection failed

Response: Look for other errors in the Service Action Log, or serviceable event view you are working with, and fix them.

A6008002 **A6008002**

Explanation: Maximum number of redundant connections exceeded

Response: An attempt to activate a connection from another I/O adapter to an external storage subsystem disk unit failed because the maximum number of connections are already active for this disk unit. No action required.

A6008003 **A6008003**

Explanation: External storage subsystem disk unit connection was restored

Response: No action required.

A6008004 **A6008004**

Explanation: An external storage subsystem disk unit connection failed

Response: Could not read configuration information from the disk unit. Look for other errors in the Service Action Log, or serviceable event view you are working with, and fix them.

A6008005 **A6008005**

Explanation: High performance connection failed

Response: A high performance connection to an external storage subsystem disk unit failed.

There are still two or more external storage subsystem disk unit connections, but performance might be degraded.

Look for other errors in the Service Action Log, or serviceable event view you are working with, and fix them.

A6008006 **A6008006**

Explanation: High performance connection failed

Response: A high performance connection to an external storage subsystem disk unit failed.

There is still one more external storage subsystem disk unit connection, but performance might be degraded.

Look for other errors in the Service Action Log, or serviceable event view you are working with, and fix them.

A6008007 **A6008007**

Explanation: High performance connection was restored

Response: A high performance connection to an external storage subsystem disk unit was restored.

Performance is no longer degraded.

No action required.

A600B700 **A600B700**

Explanation: A platform firmware error log was signalled to LIC but could not be retrieved from platform firmware. LIC created this event in the PAL with SRC B600B700 to log the problem.

Problem determination: Contact your hardware service provider. This is a platform firmware problem.

Failing Item:

- NEXTLVL

A600CF00 **A600CF00**

Explanation: Permanent error on removable media device.

Response: A type D IPL terminated because of a removable media Load Source device failure. If the removable media Load Source is an external device, check the cables. If that does not correct the problem, replace the device. If the removable media Load Source is an internal device, replace the device. If the removable media Load Source is a virtual device, ensure it is set up correctly.

Failing Item:

- SVCDOCS

A600CF01 **A600CF01**

Explanation: Unsupported removable media device configuration.

Problem determination: A type D IPL terminated because of an unsupported removable media device configuration. Retry the D-IPL with a different removable media device.

A600CFFC • A6xx0102

Failing Item:

- SVCDOCS

A600CFFC A600CFFC

Explanation: Optical library device condition not expected

Response: The optical disk drive addressing within the optical library is incorrect. This error is likely to be the result of faulty cabling or switch setting following service to an optical library.

Contact your hardware service provider.

Failing Item:

- OPTLCBL
- DRVSWCH

A600CFFD A600CFFD

Explanation: Optical drive failure

Failing Item:

- OPTLDRV

A600CFFF A600CFFF

Explanation: Media determined to be bad in Optical library

A600F103 A600F103

Explanation: Main storage dump must be copied for service

Failing Item:

- LICIP01

A600F104 A600F104

Explanation: LPAR service function directed a Main Storage Dump.

Response: The Hypervisor terminated a partition with an unresponsive Operating System. A Main Store Dump must be done for service. Call your next level of support when the dump is complete.

Failing Item:

- LICIP01

A600F105 A600F105

Explanation: Licensed Internal Code detected error

Failing Item:

- NEXTLVL

A600FDC0 A600FDC0

Explanation: LIC program reported informational error

Response: This reference code is logged for information only. No action required.

A600FDC5 A600FDC5

Explanation: LIC program failed and data was captured

Response: This reference code indicates first failure data capture (FFDC) data was collected for a problem reported by licensed internal code.

The user should dial IBM Software Support for assistance.

Failing Item:

- UG3AS

A6D1BD62 A6D1BD62

Explanation: Platform firmware event with a non IBM i LPAR.

Problem determination: Report this problem to your next level of support.

Failing Item:

- SVCDOCS

A6xx0000 A6xx0000

Explanation: Operating system status code

Response: This reference code is for information only. It is shown in the Product activity log as a side effect of a condition that was detected by LIC.

Normally, no action should be taken as a result of information reference codes. However, to isolate the root cause, use these suggestions:

1. Examine the date and time of the informational reference code.
2. Determine if any other reference codes have been logged at or before the same date and time.
3. Begin the service approach based on these other logged errors.

A6xx0102 A6xx0102

Explanation: A machine check occurred during IPL

Response: Words 2 to 9 of this SRC contain additional diagnostic information. Record SRC words 1 through 9 before attempting to IPL again and report the problem to your Software Service Provider.

A6xx0103 **A6xx0103**

Explanation: Main storage dump must be copied for service

Failing Item:

- LICIP01
-

A6xx0104 **A6xx0104**

Explanation: Terminate Immediate reference code is bad

Failing Item:

- LICIP08
 - AJDG301
-

A6xx0105 **A6xx0105**

Explanation: More than one request to terminate the system was issued

Failing Item:

- LICIP08
 - AJDG301
-

A6xx0106 **A6xx0106**

Explanation: Terminate Immediate data is not valid

Failing Item:

- LICIP08
 - AJDG301
-

A6xx0107 **A6xx0107**

Explanation: Main storage dump must be copied for service

Response: The server detected an unrecoverable machine check condition.

Collect all the words of the SRC and the main store dump and send to your system manufacturer for analysis.

A6xx0109 **A6xx0109**

Explanation: An unrecoverable memory error occurred

Response: Re-IPL the partition that terminated. Then, look for and correct errors with SRCs of the form B1xxxxxx in the Serviceable Event View that indicate the replacement of memory in the failing item list. If there are no B1xxxxxx SRCs in the Serviceable Event View that indicate a memory problem, perform a slow boot by using Performing a slow boot in order to run diagnostics on the memory. Then, look for and correct errors with SRCs of the form B1xxxxxx in the Serviceable Event View.

Failing Item:

- SVCDOCS
-

A6xx0202 **A6xx0202**

Explanation: Unrecoverable read error

Response: Restore the Licensed Internal Code using Utilities to install and restore IBM i Licensed Internal Code.

A6xx0210 **A6xx0210**

Explanation: The system ASP has run out of disk storage.

Response: The out of storage condition in the system ASP can be caused by an allocation failure in some other system software. This could be a looping condition that continues to allocate storage. Contact your service representative for assistance with the Main Storage Dump.

A6xx0231 **A6xx0231**

Explanation: Disk sanitize action completed successfully

Response: No service action required. This entry is logged for information only.

A6xx0232 **A6xx0232**

Explanation: Disk sanitize action did not complete successfully

Response: Provide the Product Activity Log entry to your next level of support for analysis.

A6xx0244 **A6xx0244**

Explanation: Contact was lost with the device indicated

Response: Do not power off the system.

Perform the procedure indicated in the failing item list.

Failing Item:

- LICIP13
 - FI00580
 - FI00500
 - FI00302
 - FI00301
 - AJDG301
-

A6xx0255 **A6xx0255**

Explanation: Contact was lost with the device indicated

Response: Do not power off the system.

A6xx0266 • A6xx0325

Perform the procedure indicated in the failing item list.

Failing Item:

- LICIP13
- FI00580
- FI00500
- FI00302
- FI00301
- AJDG301

A6xx0266 A6xx0266

Explanation: Contact was lost with the device indicated

Response: Do not power off the system.

Perform the procedure indicated in the failing item list.

Failing Item:

- LICIP13
- FI00580
- FI00500
- FI00302
- FI00301
- AJDG301

A6xx0299 A6xx0299

Explanation: Informational LIC state SRC.

A6xx0302 A6xx0302

Explanation: Recursion in exception handler

Failing Item:

- LICIP08
- AJDG301

A6xx0304 A6xx0304

Explanation: Component specific exception handler return code not valid

Failing Item:

- LICIP08
- AJDG301

A6xx0305 A6xx0305

Explanation: Exception while storage management lock is held

Failing Item:

- LICIP08
- AJDG301

A6xx0307 A6xx0307

Explanation: LIC exception code detected a problem

Response: Component Specific Exception Handler recursion is detected in an IBM i Operating System process.

Failing Item:

- LICIP08
- AJDG301

A6xx0308 A6xx0308

Explanation: LIC exception code detected a problem

Response: Component Specific Exception Handler recursion is detected in an IBM i Operating System process.

Failing Item:

- LICIP08
- AJDG301

A6xx0317 A6xx0317

Explanation: Traceback for code not found

Failing Item:

- LICIP08
- AJDG301

A6xx0323 A6xx0323

Explanation: LIC exception code detected a problem

Failing Item:

- LICIP08
- AJDG301

A6xx0324 A6xx0324

Explanation: LIC exception code detected a problem

Failing Item:

- LICIP08
- AJDG301

A6xx0325 A6xx0325

Explanation: LIC exception code detected a problem

Failing Item:

- LICIP08
 - AJDG301
-

A6xx0326 **A6xx0326**
Explanation: LIC exception code detected a problem**Failing Item:**

- LICIP08
 - AJDG301
-

A6xx0327 **A6xx0327****Explanation:** LIC exception code detected a problem**Failing Item:**

- LICIP08
 - AJDG301
-

A6xx0328 **A6xx0328****Explanation:** LIC exception code detected a problem**Failing Item:**

- LICIP08
 - AJDG301
-

A6xx0329 **A6xx0329****Explanation:** LIC exception code detected a problem**Failing Item:**

- LICIP08
 - AJDG301
-

A6xx0333 **A6xx0333****Explanation:** A branch to a bad address was attempted**Failing Item:**

- LICIP08
 - AJDG301
-

A6xx0334 **A6xx0334****Explanation:** Exception Handler could not be removed**Failing Item:**

- LICIP08
 - AJDG301
-

A6xx0335 **A6xx0335****Explanation:** Code resumed to not valid address following exception**Failing Item:**

- LICIP08
 - AJDG301
-

A6xx0336 **A6xx0336****Explanation:** LIC exception code detected a problem**Failing Item:**

- LICIP08
 - AJDG301
-

A6xx0401 **A6xx0401****Explanation:** A machine check occurred during IPL**Failing Item:**

- LICIP08
 - AJDG301
-

A6xx0402 **A6xx0402****Explanation:** A machine check occurred during authority initialization**Failing Item:**

- LICIP08
 - AJDG301
-

A6xx0403 **A6xx0403****Explanation:** Unhandled exception during IPL or install**Failing Item:**

- LICIP08
 - AJDG301
-

A6xx0405 **A6xx0405****Explanation:** Unhandled exception in authority recovery**Failing Item:**

- LICIP08
 - AJDG301
-

A6xx0406 **A6xx0406****Explanation:** Unhandled exception in data base recovery**Failing Item:**

- LICIP08
 - AJDG301
-

A6xx0407 **A6xx0407****Explanation:** Unhandled exception in data base initialization**Failing Item:**

- LICIP08
 - AJDG301
-

A6xx0408 • A6xx0422

A6xx0408 A6xx0408

Explanation: Unhandled exception in journal recovery

Failing Item:

- LICIP08
- AJDG301

A6xx0409 A6xx0409

Explanation: Unhandled exception in journal synchronization

Failing Item:

- LICIP08
- AJDG301

A6xx0410 A6xx0410

Explanation: Unhandled exception in journal clean up

Failing Item:

- LICIP08
- AJDG301

A6xx0411 A6xx0411

Explanation: Unhandled exception in commit recovery

Failing Item:

- LICIP08
- AJDG301

A6xx0412 A6xx0412

Explanation: Unhandled exception in commit initialization

Failing Item:

- LICIP08
- AJDG301

A6xx0413 A6xx0413

Explanation: Rebuild of recovery object index failed

Failing Item:

- LICIP08
- AJDG301

A6xx0414 A6xx0414

Explanation: Install of operating system failed on read from media

Failing Item:

- LICIP08
- FI00300

A6xx0415 A6xx0415

Explanation: Create user profile failed

Failing Item:

- LICIP08
- AJDG301

A6xx0417 A6xx0417

Explanation: Initiating the initial process failed

Failing Item:

- LICIP08
- AJDG301

A6xx0418 A6xx0418

Explanation: The information loaded from the install media is not valid

Failing Item:

- LICIP08
- AJDG301

A6xx0419 A6xx0419

Explanation: The information loaded from the install media is not valid

Failing Item:

- LICIP08
- AJDG301

A6xx0420 A6xx0420

Explanation: The information loaded from the install media is not valid

Failing Item:

- LICIP08
- AJDG301

A6xx0421 A6xx0421

Explanation: Bad return code creating a queue or message

Failing Item:

- LICIP08
- AJDG301

A6xx0422 A6xx0422

Explanation: The Load/Dump command failed

Failing Item:

- LICIP08
- AJDG301

A6xx0439 **A6xx0439**
Explanation: Opening the IPCF connection failed

Failing Item:

- LICIP08
 - AJDG301
-

A6xx0440 **A6xx0440**
Explanation: Termination code is not valid

Failing Item:

- LICIP08
 - AJDG301
-

A6xx0441 **A6xx0441**
Explanation: Power off system command failed

Failing Item:

- LICIP08
 - AJDG301
-

A6xx0443 **A6xx0443**
Explanation: Programmed IPL command failure

Failing Item:

- LICIP08
 - AJDG301
-

A6xx0446 **A6xx0446**
Explanation: Error during machine termination

Failing Item:

- LICIP08
 - AJDG301
-

A6xx0447 **A6xx0447**
Explanation: Failure to reach MI boundary

Failing Item:

- LICIP08
 - AJDG301
-

A6xx0449 **A6xx0449**
Explanation: Exception in MI boundary manager

Failing Item:

- LICIP08
 - AJDG301
-

A6xx0506 **A6xx0506**
Explanation: Attempt to destroy a task with critical flag on

Failing Item:

- LICIP08
 - AJDG301
-

A6xx0507 **A6xx0507**
Explanation: A critical process terminated. This SRC will be in the LPAR's panel.

LIC detected an attempt to terminate a process with its critical flag set to ON. Normally this process will be SCPE.

This is a secondary affect of the process termination request for a critical process that was caused by a system error condition that began process termination. The system error condition that began process termination is most commonly a storage error or LIC exception handling.

Response: Perform LICIP08 - save and send in the Main Store Dump, collect LIC and Product Activity Logs.

Failing Item:

- LICIP08
 - AJDG301
-

A6xx0607 **A6xx0607**
Explanation: Maximum stack size exceeded in process or task

Failing Item:

- LICIP08
 - AJDG301
-

A6xx0620 **A6xx0620**
Explanation: Event management index is not usable

Failing Item:

- LICIP08
 - AJDG301
-

A6xx0650 **A6xx0650**
Explanation: Resource management segment could not be created or extended

Response: A main store dump was initiated.

Words 2 to 9 of this SRC contain additional diagnostic information. Record SRC words 1 through 9.

Perform a system IPL and collect the Product activity log and main store dump and provide them along with the recorded SRC information to IBM Service Support.

A6xx0801 • A6xx1204

The problem may also be that there is not enough auxiliary storage.

Failing Item:

- AJDG301

A6xx0801 A6xx0801

Explanation: Invalid LID directory detected

Response: During system IPL, the LIDMgr detected an I/O failure or media failure while trying to read the LID directory.

Failing Item:

- LICIP08
- FI00070
- FI00300
- AJDG301

A6xx0802 A6xx0802

Explanation: LID directory unusable

Response: During system IPL, the LIDMgr detected that the LID directory and associated Load Source is not usable.

Reinstall the Licensed Internal Code by using Utilities to install and restore IBM i Licensed Internal Code.

For more information, contact IBM Service Support.

Failing Item:

- AJDG301

A6xx0901 A6xx0901

Explanation: The LinkLoader has found its bad flag ON

Response: This reference code is usually the result of a system termination while the LinkLoader is performing its work.

Reinstall the Licensed Internal Code by using Utilities to install and restore IBM i Licensed Internal Code.

A6xx0902 A6xx0902

Explanation: Unable to perform programmed IPL

Response: The LinkLoader was not successful in performing a programmed IPL.

Perform a system IPL. If the problem persists, examine the main storage dump and determine the reason for the failure of the programmed IPL.

A6xx0903 A6xx0903

Explanation: The LinkLoader was not able to allocate a segment

Response: Perform the D mode IPL again. If the problem persists, there might be a memory problem. Contact your next level of support.

A6xx0904 A6xx0904

Explanation: The LinkLoader was not able to load a critical LID

Response: Perform the D mode IPL again. If the problem persists, contact your next level of support.

A6xx1001 A6xx1001

Explanation: Enqueuing a task to the TDQ which is already enqueued on TDQ

Failing Item:

- LICIP08
- AJDG301

A6xx1103 A6xx1103

Explanation: MISR not readable; must be readable for Normal Mode install

Response: MISR is not readable. Perform a manual install to reinitialize the system.

A6xx1104 A6xx1104

Explanation: Failure reading media or not install media

Response: Determine that correct install media is loaded. If correct install media is installed, media could be corrupt. Obtain another copy of the install media and re-attempt the install. If the install still fails, contact your service representative.

A6xx1201 A6xx1201

Explanation: Critical database segment could not be created

Failing Item:

- LICIP08
- AJDG301

A6xx1204 A6xx1204

Explanation: Error in constraint enforcement

Failing Item:

- LICIP08
- AJDG301

A6xx1210 **A6xx1210****Explanation:** Object not found in the in-use table**Failing Item:**

- LICIP08
- AJDG301

A6xx1215 **A6xx1215****Explanation:** Error in critical code sequence**Failing Item:**

- LICIP08
- AJDG301

A6xx1219 **A6xx1219****Explanation:** A back leveled driver has been detected**Failing Item:**

- LICIP08
- AJDG301

A6xx1604 **A6xx1604****Explanation:** Not able to create APPN task**Response:** An error occurred during task creation which requires a power off of the system.**Failing Item:**

- LICIP08
- AJDG301

A6xx1724 **A6xx1724****Explanation:** An attempt to create a segment failed**Response:** The create could fail for two reasons:

- A code problem. Perform the procedure indicated in the failing item list.
- No free auxiliary storage on the system. Add additional DASD if the create failed because no auxiliary storage was available.

Failing Item:

- LICIP08
- AJDG301

A6xx1730 **A6xx1730****Explanation:** An IPL is needed to restore system performance**Response:** Licensed Internal Code has detected a condition that is impacting system performance. System operation can continue, but system performance may be noticeably reduced until the next IPL.

Look at the Product Activity Log entry, and find the

value at offset x'000180'. If the value equals x'00000122', the error was caused by too much processor memory being installed.

For more information, contact IBM Service Support.

Failing Item:

- UPLF1

A6xx3000 **A6xx3000****Explanation:** LPAR service function directed a Main Storage Dump.**Response:** Copy the current main storage dump to media. For more information on how to copy a Main Storage Dump, refer to Copying a main storage dump.**Failing Item:**

- AJDG301

A6xx41FC **A6xx41FC****Explanation:** Installation of LIC failed**Response:** Words 12 and 13 of this SRC contain additional diagnostic information.

Install LIC using physical media.

To determine what caused the failure, collect SRC information and contact your next level of support.

Failing Item:

- SVCDOCS

A6xx41FD **A6xx41FD****Explanation:** Installation of LIC failed**Response:** A main store dump was initiated. Words 12 and 13 of this SRC contain additional diagnostic information.

To recover the partition using the previously installed LIC, perform a B-mode IPL. You can then re-try the installation of LIC. Otherwise, install LIC using physical media.

To determine what caused this failure, collect SRC information and main store dump and contact your next level of support.

Failing Item:

- SVCDOCS

A6xx4401 **A6xx4401****Explanation:** Missing DASD units.**Response:** Copy the current main storage dump to media.

For more information on how to perform a Main Storage Dump, refer to Copying a main storage dump.

A6xx4402 • A6xx4703

A6xx4402 **A6xx4402**

Explanation: Missing DASD units.

Response: Copy the current main storage dump to media. Then exit the Main Storage Dump Manager.

For more information on how to perform a Main Storage Dump, refer to Copying a main storage dump.

A6xx4403 **A6xx4403**

Explanation: Storage Management failed to reach full paging.

Response: Copy the current main storage dump to media.

For more information on how to perform a Main Storage Dump, refer to Copying a main storage dump.

A6xx4404 **A6xx4404**

Explanation: Auto copy failed or not attempted.

Response: Copy the current main storage dump. If copying to system ASP, existing copies may need to be deleted or renamed. Then exit the Main Storage Dump Manager.

For more information on how to perform a Main Storage Dump, refer to Copying a main storage dump.

A6xx4405 **A6xx4405**

Explanation: System ASP threshold exceeded after auto copy done.

Response: Delete other system ASP copies or exit the Main Storage Dump Manager and then from DST copy the Auto Copy to media and then delete the Auto Copy in system ASP.

A6xx4420 **A6xx4420**

Explanation: MSD Manager not configured to save dump information

Response: The platform produced dump data, but the Main Storage Dump (MSD) Manager was not configured to automatically copy the dump to an Auxiliary Storage Pool (ASP). The dump will be lost if the system power is lost. Use MSD Manager to manually copy the current platform dump to media or an ASP.

A6xx4421 **A6xx4421**

Explanation: Insufficient space in the ASP to store a platform dump

Response: The platform produced dump data, and the Main Storage Dump (MSD) Manager was configured to automatically copy the dump to an Auxiliary Storage Pool (ASP), but there was not sufficient free space

available in the ASP. The dump will be lost if the system power is lost. Manually copy the current platform dump from the platform by performing one of the following:

- Make room in the designated ASP and then use the MSD Manager to copy the current platform dump to ASP.
- Use the MSD Manager to delete other dump copies, then copy the current platform dump to ASP.
- Use the MSD Manager to copy the current platform dump to a different ASP.
- Use the MSD Manager to copy the current platform dump to media.

A6xx4422 **A6xx4422**

Explanation: A platform dump is saved in MSD Manager

Response: The platform produced dump data. The dump data was copied to the Main Storage Dump (MSD) Manager.

Failing Item:

- PLDUMP

A6xx4700 **A6xx4700**

Explanation: Processor On Demand error detected.

Response: Processor on Demand Data Block key is not valid.

Replace the Processor Capacity card.

Failing Item:

- CTLPNCD

A6xx4701 **A6xx4701**

Explanation: Processor On Demand error detected.

Response: Processor On Demand Data Block contains data that does not match the expected data.

Contact your service provider.

Failing Item:

- AJDG301

A6xx4703 **A6xx4703**

Explanation: Processor On Demand error detected.

Response: Processor On Demand Serialization has failed during IPL.

Contact your service provider.

Failing Item:

- AJDG301

A6xx4710 **A6xx4710**

Explanation: Processor On Demand error detected.

Response: SPCN communication failure during Processor On Demand.

Look in the Product Activity Log for other SPCN errors and perform the actions indicated for those errors.

Failing Item:

- SPNLCRD
-

A6xx4712 **A6xx4712**

Explanation: Processor On Demand error detected.

Response: Correct any Processor Capacity card or SPCN failures.

Failing Item:

- CTLPNCD
-

A6xx4713 **A6xx4713**

Explanation: Incorrect Processor Capacity Card installed.

Response: The Processor Capacity Card is the failing item since it has been swapped in from a different system.

Put the Processor Capacity Card back in the system it came from, and reinstall this system's original Processor Capacity Card.

Failing Item:

- CTLPNCD
-

A6xx4714 **A6xx4714**

Explanation: The CUoD data is not present. A problem may exist.

Response: The Processor Capacity Card was changed and there may be a problem.

If the system did have any activated standby processors before the Processor Capacity Card was replaced, then new processor on demand activation codes must be obtained to restore the previous activations.

Contact your service provider.

A6xx4715 **A6xx4715**

Explanation: Processor On Demand error detected.

Response: Correct any Processor Capacity card or SPCN failures.

Failing Item:

- CTLPNCD
-

A6xx4730 **A6xx4730**

Explanation: Processor On Demand error detected.

Response: Processor On Demand standby processors are in use.

Contact your service provider.

Failing Item:

- AJDG301
-

A6xx4731 **A6xx4731**

Explanation: Processor On Demand error detected.

Response: The Processor On Demand Trial Activation period is not valid. Contact your next level of support.

Failing Item:

- AJDG301
-

A6xx4733 **A6xx4733**

Explanation: Processor On Demand error detected.

Response: Contact your service provider.

Failing Item:

- AJDG301
-

A6xx4740 **A6xx4740**

Explanation: Processor On Demand error detected.

Response: The Processor On Demand Activation code just entered is not valid.

Contact your next level of support.

Failing Item:

- AJDG301
-

A6xx4741 **A6xx4741**

Explanation: Processor On Demand error detected.

Response: An invalid Processor On Demand Activation code has been entered more than 5 consecutive times. Contact your service provider.

Failing Item:

- AJDG301
-

A6xx4745 **A6xx4745**

Explanation: Processor Capacity card replaced on activated POD system.

Response: Contact IBM Support to order a replacement Processor On Demand activation code.

A6xx4747 • A6xx5008

A6xx4747 A6xx4747

Explanation: 1 hour left in POD 14 day Trial Activation Period.

Response: If a new activation code was purchased, it should be entered now. Otherwise, the system will revert back to its previous activation state at the end of the Trial Activation Period.

A6xx5001 A6xx5001

Explanation: DST received no response from a workstation controller

Response: The workstation I/O processor for the system or partition console did not respond.

Failing Item:

- RTRIP01
- FI00380
- AJDG301

A6xx5002 A6xx5002

Explanation: DST problem attempting to use the system console

Response: A code problem occurred during an attempt to use the system console.

Failing Item:

- LICIP03
- AJDG301
- FI00380

A6xx5003 A6xx5003

Explanation: Service program failed

Response: The ASCII system console failed to respond.

Failing Item:

- FI00320
- FI00602
- USER
- AJDG301
- FI00380

A6xx5004 A6xx5004

Explanation: DST console failed to respond

Response: The system console failed to respond.

Failing Item:

- RTRIP02
- FI00320
- FI00602
- USER

- AJDG301
- FI00380

A6xx5005 A6xx5005

Explanation: Service program failed

Response: The workstation adapter system console failed to respond.

Failing Item:

- WSAIP01
- FI00320
- FI00602
- USER
- AJDG301
- FI00380

A6xx5007 A6xx5007

Explanation: Service program failed

Response: The workstation adapter console failed to respond.

Failing Item:

- RTRIP07
- FI00320
- FI00602
- USER
- AJDG301
- FI00380

A6xx5008 A6xx5008

Explanation: DST console failed to respond. If an IPL did not find a console and if the console type is set to anything except a 1, the system will display code A6005008.

Response: If you just replaced the LAN adapter associated with Operations Console (LAN), you need to wait at least 35 minutes for the system to find and use the new LAN adapter. In this case, when the system is satisfied, it starts using the new adapter. The console should start, and the SRC is no longer shown.

If you are attempting to use a twinaxial console the only data relevant in this SRC is word 6. Use the information in the list below for the meaning of word 6 to determine the twinaxial failure. The first 4 characters of word 6 contains the last 4 characters of the original failure type. For example, if word 6 contained 50010001, the twinaxial-related SRC would be A6005001 and the console type is set to use a twinaxial console. Refer to that SRC. Word 6 in the form of xxxx yy zz means the following:

- xxxx where:

- The twinaxial-related SRC is represented by the first 4 characters.
- yy where:
 - 0A = No console tagged
- zz where:
 - 00 = Not defined by user (old default value)
 - 01 = Twinaxial
 - 02 = Operations Console (Direct) (obsolete)
 - 03 = Operations Console (LAN)
 - 04 = Hardware Management Console (HMC) or Thin Console

If you are attempting to use Operations Console, the local console on a network uses words 3, 4, and 5. Use words 3 through 5 to select the appropriate section in the following list.

1. Word 3 is "1": No supported HW detected or HW detected is not expected (for example, you replaced the LAN IOA so the serial number is different) In some cases the serial number of the expected adapter may be shown in word 5.
2. Word 3 is "2": The LAN IOA failed to report.
3. Word 3 is "3": Hardware error. Common error codes in word 4:
 - 53001A80 and 53002AC0: Network, cable or the LAN adapter may not be operational. Word 5 may contain the card position or serial number of the adapter.
 - 00000000: This error code indicates the adapter reported but has not been initialized yet. This is not considered an error, at this time. The adapter should be activated shortly. Word 5 may contain the card position or serial number of the adapter.
 - CC10031A: Adapter was activated but did not reach LinkUp state. The card was given more than a minute to link up to its partner (probably a switch) and it didn't do so. Likely conditions:
 - The cable is unplugged on one end or the other, or is defective.
 - The switch port is not operational.

Once this error code is received, the problem will not resolve itself until something restarts the device driver. Word 5 may contain the card position or serial number of the adapter.

 - For other error codes contact your service provider. Word 5 may contain the card position or serial number of the adapter.
4. Word 3 is "4": BOOTP status: Word 4 contains the number of attempts. If attempts are zero, then BOOTP is ready, when called. If attempts have a value, then the PC did not respond. Word 5 may contain the card position or serial number of the adapter.
5. Word 3 is "5": The system's LAN connection is active but the PC failed to connect. Are the PC and

system on the same network and using the same protocol? Can the PC ping the system? (ping serverhostname). Word 4 contains the IP address. Word 5 may contain the card position or serial number of the adapter.

Problem determination: Look at words 3-8 on the console. If words 3-5 are non-zero the failing item is most likely an ASYNC card. If words 6-8 are non-zero the failing item is most likely a LAN card.

Word 7 meanings for the failure identified:

- 1 Async card not detected.
- 2 No cables detected. Word 8 is the Card position. Word 9 is the card type.
- 3 Wrong cable detected. Word 8 is the card position. Word 9 is the cable ID.
- 4 Port in use. Word 8 is the card position. Word 9 is the card type.
- FA Not configured for direct cable

Note: It is expected that a D-mode IPL with a new load source direct access storage device (DASD) will show the console type value of 00. Examples of when this can occur might be that the copy of data from a failing DASD did not copy all data or you are installing a new logical partition. Also, there are times when the DASD is late reporting and the console type value was not retrieved in time. In these cases you can use the console service function to set a console type value or attempt to contact the console again.

Failing Item:

- OPCIP03
- FI00719

A6xx5010 A6xx5010

Explanation: IPL service function ended abnormally

Failing Item:

- LICIP04
- AJDG301

A6xx5014 A6xx5014

Explanation: DST status. The Storage Management Dual Path Information Screen option to dump data to a PAL has completed successfully.

A6xx5015 A6xx5015

Explanation: DST error. An error has occurred gathering data for the Storage Management Dual Path Information Screen option to dump data to a PAL. Contact your next level of support or hardware service provider.

Failing Item:

- NEXTLVL

A6xx5082 • A6xx5122

A6xx5082 A6xx5082

Explanation: DST lost contact with the console

Response: A service program lost contact with the system console.

Failing Item:

- RTRIP03
- AJDG301
- USER

A6xx5083 A6xx5083

Explanation: IPL service function ended abnormally

Response: A service program lost contact with the system console.

Failing Item:

- TWSIP01
- AJDG301
- USER

A6xx5090 A6xx5090

Explanation: System startup failed in unattended IPL mode

Response: Perform the following:

- If reference code A6xx5090 is displayed on the control panel for more than 10 minutes, perform the procedure indicated in the failing item list.
- For reference code B6xx5090, perform the procedure indicated in the failing item list.

Failing Item:

- LICIP11
- FI00580
- FI00500
- FI00301
- FI00021
- FI00065
- AJDG301

A6xx5092 A6xx5092

Explanation: System is in DASD migration mode

Response: Install Licensed Internal Code and Upgrade Load Source was specified but the key is not in the manual position. Change the key position to manual and perform a system IPL.

A6xx5094 A6xx5094

Explanation: IASP detected a failure during the vary on operation

Failing Item:

- LICIP12

A6xx50FF A6xx50FF

Explanation: DST unrecoverable program error

Failing Item:

- LICIP03
- AJDG301
- FI00380

A6xx5120 A6xx5120

Explanation: System LIC detected a program exception

Response: System LIC detected a programming problem. If performance or other system degradation is occurring, the system may be operating with reduced resources.

Check the Product activity log for related entries. If this reference code is logged with an error class of Informational, then no action is required.

Otherwise, perform the procedure indicated in the failing item list.

Failing Item:

- LICIP01
- AJDG301
- FI00130

A6xx5121 A6xx5121

Explanation: LIC program exception occurred

Response: System LIC detected a programming problem for which a main storage dump may have been initiated. Collect the dump if available.

A problem log entry may be generated for this refcode.

Failing Item:

- LICIP01
- AJDG301

A6xx5122 A6xx5122

Explanation: LIC program exception occurred

Response: System LIC detected an IOP programming problem for which an IOP dump may have been initiated.

Failing Item:

- LICIP01
- FI00130
- AJDG301
- FI00131

A6xx5123 **A6xx5123****Explanation:** LIC program exception occurred**Response:** System LIC detected an interface problem with the IOP or an IOP programming problem for which an IOP and main storage dump may have been initiated.**Failing Item:**

- LICIP01
 - FI00130
 - AJDG301
 - FI00131
-

A6xx5126 **A6xx5126****Explanation:** Addressed device failed to respond to selection**Failing Item:**

- DISKDRV
 - STORIOA
 - DISKTRY
 - FI01106
 - FI01140
 - FI01141
 - DEVTERM
 - BACKPLN
-

A6xx5127 **A6xx5127****Explanation:** IOP timed out a disk command**Failing Item:**

- DISKDRV
 - STORIOA
 - FI01106
 - DISKTRY
 - FI01140
 - FI01141
 - DEVTERM
 - BACKPLN
-

A6xx5128 **A6xx5128****Explanation:** I/O processor failure**Failing Item:**

- FI01112
 - FI01107
-

A6xx512D **A6xx512D****Explanation:** An IOP dump was initiated**Response:** Copy the IOP dump entry and any related entries from the Product Activity Log to suitable media, and give to an IBM service representative.

A6xx512E **A6xx512E****Explanation:** LIC program exception occurred**Response:** The system was in a D IPL mode when the problem was detected. A main storage dump was not taken.**Failing Item:**

- LICIP01
 - AJDG301
 - FI00130
-

A6xx5192 **A6xx5192****Explanation:** Insufficient entitled memory for the I/O configuration**Response:** Use the hardware management console to increase the entitled memory capacity of the partition and restart the I/O adapter. To restart a storage I/O adapter, use Hardware Service Manager to re-IPL the virtual I/O processor that is associated with this I/O adapter. To restart a communications I/O adapter, vary the line off and vary it on using the vary configuration (VRYCFG) command.**Failing Item:**

- SVCDOCS
-

A6xx5193 **A6xx5193****Explanation:** Virtual adapter not supported in a shared memory partition**Response:** Use the hardware management console to remove the virtual adapter from the partition.**Failing Item:**

- SVCDOCS
-

A6xx5194 **A6xx5194****Explanation:** Insufficient entitled memory for the I/O configuration**Response:** Use the hardware management console to increase the entitled memory capacity of the partition and restart the partition.**Failing Item:**

- SVCDOCS
-

A6xx5206 • A6xx5311

A6xx5206 A6xx5206

Explanation: System LIC detected a missing IOP LIC code load

Response: System LIC detected a missing IOP LIC code load during IPL of the IOP. This indicates that either the IOP code load is not installed on the system Load Source device or that system LIC was unable to successfully read that load from the Load Source device.

Failing Item:

- LICIP01
- USER

A6xx5209 A6xx5209

Explanation: System LIC detected an IOP timeout during IOP IPL

Response: Verify that all IOP cable connections are secure, and check tape and other non-disk devices and media to verify that they are in a ready state.

Failing Item:

- LICIP01
- USER
- FI00130
- AJDG301

A6xx5219 A6xx5219

Explanation: LIC program exception occurred

Response: An IOP signaled to system LIC that it had entered a critical internal state. LIC automatically attempted to restart the IOP.

This reference code is logged for information only. No action is required.

Failing Item:

- FI00310
- FI00318
- FI00065
- FI00130
- AJDG301

A6xx5275 A6xx5275

Explanation: The system issued a reset/reload to the IOP.

Response: System Licensed Internal Code detected that an IOP Reset/Reload has occurred, and that the IOP successfully recovered.

Users who were signed on to a Workstation device under the IOP will need to sign back on. Any LAN/WAN communications lines under the IOP will need to be restarted. Tape/Optical devices under the

IOP may need to be varied back on.

To determine the cause of the IOP Reset/Reload, check the Product Activity Log for additional entries logged with the same System Log ID, and perform any actions indicated for those errors.

A6xx5276 A6xx5276

Explanation: IOP Reset was issued

Response: LIC has detected a problem with the Service Processor IOP and has reset it but has not initiated reload of the Service Processor.

If the Load Source is mirrored, some system operations may be able to continue normally. However, some system service operations have been suspended and the system should be scheduled for power down as soon as possible.

Failing Item:

- RTRIP08
- AJGLD01
- AJDG301
- FI00021

A6xx5310 A6xx5310

Explanation: LIC program exception occurred

Response: System LIC detected a logical partition configuration data consistency error. Copy the Product Activity Log data for this error and any related entries and contact your next level of hardware service support.

Failing Item:

- LPARSUP

A6xx5311 A6xx5311

Explanation: LIC program exception occurred

Response: LPAR configuration data does not match current system configuration. The system will not IPL past DST until the problem is corrected.

Following is a list of problems which may have caused this SRC to be reported:

- Non-configured disk unit which was previously a load source on a partitioned system.
- Load Source configuration data does not match partition for which it is being used.
- Load Source configuration data does not match system serial number for which it is being used.
- Load Source configuration data is newer than primary partition configuration data.

Failing Item:

- LPRIP01
- LPARSUP

A6xx5312 **A6xx5312**

Explanation: LIC program exception occurred

Response: LPAR configuration data informational error.

The LPAR configuration data was found to be in error or inconsistent on a secondary partition's Load Source. The data was automatically updated to the current system level.

A6xx5313 **A6xx5313**

Explanation: LIC program exception occurred

Response: LPAR configuration data informational error.

The LPAR configuration data was found to be inconsistent on a primary partition and could only be corrected with an older copy of the data.

Failing Item:

- LPARCFG

A6xx5340 **A6xx5340**

Explanation: Secondary partition not running at optimum.

Response: Check the Primary partition's Product Activity Log for system processor entries from approximately the same time. Perform the actions indicated for those entries.

A6xx5341 **A6xx5341**

Explanation: Secondary partition not running at optimum.

Response: Check the primary partition Product Activity Log for system memory entries from approximately the same time. Perform the actions indicated for those entries.

A6xx5342 **A6xx5342**

Explanation: Secondary partition not running at optimum.

Response: Check the Primary partition's Product Activity Log for system processor entries from approximately the same time. Perform the actions indicated for those entries.

A6xx5343 **A6xx5343**

Explanation: Secondary partition not running at optimum.

Response: Check the Primary partition's Product Activity Log for system memory errors from

approximately the same time. Perform the actions indicated for those entries.

A6xx5344 **A6xx5344**

Explanation: Secondary partition not running at optimum.

Response: The interactive performance specified in the configuration data for this partition could not be met.

Contact your next level of support.

Failing Item:

- LPARSUP

A6xx5350 **A6xx5350**

Explanation: Secondary partition software release not supported

Response: The logical partition software version is outside the supported release delta.

Check the Release Delta from the Primary partition "Display Partition Release Level" screen.

Check the LPAR documentation for the release level of the Primary partition and determine what the supported Release Delta is.

A6xx5380 **A6xx5380**

Explanation: LIC program exception occurred

Response: Record the Product Activity Log (PAL) hex data for this SRC or print the PAL entry.

Contact your next level of support.

Failing Item:

- LPARSUP

A6xx5390 **A6xx5390**

Explanation: LIC program exception occurred

Response: Record the Product Activity Log (PAL) hex data for this SRC or print the PAL entry.

Contact your next level of support.

Failing Item:

- LPARSUP

A6xx5505 **A6xx5505**

Explanation: The copying of DASD log data to the IOP log was successful

Response: IOP log data can be copied to a spool file for examination by the development lab.

A6xx5555 • A6xx6908

A6xx5555 A6xx5555

Explanation: SLIC I/O DASD subsystem error recovery in progress.

A6xx5600 A6xx5600

Explanation: Unrecoverable read error

Response: VPD data could not be read.

Look for other errors implicating hardware. There is no way to know what VPD read has failed, but the resource is not usable and should generate an error.

If no such error occurred, call your next level of support.

Failing Item:

- SVCDOCS

A6xx6900 A6xx6900

Explanation: System bus error

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

A6xx6901 A6xx6901

Explanation: Bus Expansion Adapter card failed

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

A6xx6902 A6xx6902

Explanation: Bus Expansion Adapter card failed

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

A6xx6905 A6xx6905

Explanation: Optical bus failed

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

A6xx6906 A6xx6906

Explanation: High Speed Link (HSL) I/O bridge failure

Response: LIC could not access part of the HSL I/O bridge VPD. The bridge and HSL loop may be prevented from becoming operational.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event viewer you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log (SAL) or serviceable event view on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item:

- SIIOADP
- OPT_CLN

A6xx6907 A6xx6907

Explanation: High Speed Link (HSL) I/O bridge failure

Response: LIC detected invalid data in the HSL I/O bridge VPD. The bridge and HSL loop may not have become operational.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log (SAL) or serviceable event view on the hardware management console, is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item:

- SIIOADP
- OPT_CLN

A6xx6908 A6xx6908

Explanation: High Speed Link (HSL) I/O bridge failure

Response: LIC data in the I/O bus VPD could not be accessed. The I/O Bus identified in the SRC may not have become operational.

If there is a B6xx 6906 reference code, close this problem in the serviceable event view you are working with and work the 6906 error.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log or serviceable event view on the hardware management console or service processor is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item:

- SIIOADP
- OPT_CLN

A6xx6909 A6xx6909

Explanation: High Speed Link (HSL) I/O bridge failure

Response: LIC detected invalid data in the I/O bus VPD. The bus and resources associated with it may not be operational.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log (SAL) or serviceable event viewer on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

If the serviceable event view only indicated a frame or enclosure see the locations section for the frame or enclosure type. The location of the HSL I/O Bridge will be given in the locations tables.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item:

- SIIOADP
- OPT_CLN

A6xx690A A6xx690A

Explanation: Associated adapter not found in this partition

Failing Item:

- LICIP16

A6xx6910 A6xx6910

Explanation: I/O processor failure

Response: An I/O processor timed out, returned bad status, or is not following the system bus protocol.

Failing Item:

- LICIP07
- FI00310
- FI00318
- FI00065
- FI00130
- AJDG301

A6xx6938 A6xx6938

Explanation: Not valid system configuration detected

Response: This system model does not allow a configuration of more than three (non-OptiConnect) I/O Processors.

Power down the system and remove the extra (non-OptiConnect) I/O Processor(s) so that there are three or less. Restart the system.

A6xx6944 A6xx6944

Explanation: Missing or failed I/O processor cards

Response: A system bus appears to be empty. If the bus is not empty, two I/O processors in consecutive slots may be missing or broken. If there are broken I/O processors, then another more serious SRC has occurred. Otherwise find the bus number for this failure from the Product activity log and use the system configuration list to verify the configuration of the I/O processors on that bus.

Failing Item:

- FI00317
- FI00316
- AJDG301

A6xx6960 A6xx6960

Explanation: Multi-adapter bridge card slot error, do not use card slot

Response: Slot unavailable due to 64 bit card in adjacent slot.

One of the messages documented with the symbolic

A6xx6961 • A6xx6964

FRU will describe the problem. See SLOTERR symbolic FRU for a list of messages and corrective actions.

Failing Item:

- SLOTERR

A6xx6961 A6xx6961

Explanation: Multi-adapter bridge card slot error, do not use card slot

Response: LED control failure, do not use slot.

The card location is not available for use. The Failing Item with the card slot error is in the Failing Item list for this reference code.

See SLOTERR symbolic FRU for the list of messages and a further description of the problem detected by Licensed Internal Code.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log or a serviceable event viewer on the hardware management console is available for this problem then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

Failing Item:

- SLOTERR
- MASBUS

A6xx6962 A6xx6962

Explanation: Multi-adapter bridge card slot error, do not use card slot

Response: Power control failure, do not use slot.

If there is a Linux partition in the system, any IOPs plugged into slots owned by a Linux partition will not power on. This error will be logged. Correct the situation by removing the IOP cards.

The card location is not available for use. The Failing Item with the card slot error is in the Failing Item list for this reference code.

See SLOTERR symbolic FRU for the list of messages and a further description of the problem detected by Licensed Internal Code.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the

differences in system models and features installed.

If the Service Action Log, or serviceable event view on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

Failing Item:

- SLOTERR
- MASBUS

A6xx6963 A6xx6963

Explanation: Multi-adapter bridge card slot error, do not use card slot

Response: Power control failure, do not use slot.

The card location is not available for use. The Failing Item with the card slot error is in the Failing Item list for this reference code.

See SLOTERR symbolic FRU for the list of messages and a further description of the problem detected by Licensed Internal Code.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event viewer you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log or serviceable event viewer on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

Failing Item:

- SLOTERR
- MASBUS

A6xx6964 A6xx6964

Explanation: Multi-adapter bridge configuration change or error

Response: One of several errors or configuration problems has occurred under a Multi-adapter bridge. If you are using the Service Action Log (SAL), or the serviceable event viewer on the hardware management console or the service processor, then the correct FRU, description and card position(s) will be listed. Use the FRUs and descriptions in the serviceable event view

you are working with to determine the problem.

If you do not have access to the Service Action Log, or serviceable event view on the hardware management console or service processor, then word 4 of the SRC has more information. Examine the last 4 digits in word 4 to determine the problem by comparing them to the list below and using the FRU(s) listed here.

1. xxxx2022 - IOP found in slots owned by a Linux partition. The Multi-adapter Bridge and PCI Bridge set that it controls are assigned to a Linux partition. The IOP found in the SLOT indicated by the DSA in word 7 will not be configured.
2. xxxx2014 - I/O adapters were found under the Multi-adapter Bridge but there is no IOP to support them. The adapters cannot be used.
3. xxxx2015 - An card type was found that cannot be supported in the card position where it is located.

See MABRCFG symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item:

- MABRCFG

A6xx6965 A6xx6965

Explanation: Multi-adapter bridge configuration change or error

Response: Card type not supported in this slot.

An I/O processor or I/O adapter card type is installed in the location indicated in word 7 of the SRC. The card type is not supported in that slot under the multi-adapter bridge. The card is unavailable.

See MABRCFG symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item:

- MABRCFG

A6xx6966 A6xx6966

Explanation: Multi-adapter bridge configuration change or error

Response: I/O processor removed from multi-adapter bridge card slot.

On the previous IPL an I/O processor was in the card location specified in word 7 of the SRC. The I/O processor was not detected on this IPL.

See MABRCFG symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item:

- MABRCFG

A6xx6967 A6xx6967

Explanation: Multi-adapter bridge configuration change or error

Response: I/O adapter unavailable due to moved I/O processor card.

The I/O adapter specified in word 7 of the SRC is not available. On the previous IPL there was an I/O processor card the adapter was assigned to. The I/O processor was not detected on this IPL.

See MABRCFG symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item:

- MABRCFG

A6xx6968 A6xx6968

Explanation: Multi-adapter bridge configuration change or error

Response: IOA removed from multi-adapter bridge slot.

On the previous IPL an I/O adapter was in the card slot specified in word 7 of the SRC. That I/O adapter was not detected on this IPL.

See MABRCFG symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item:

- MABRCFG

A6xx6969 A6xx6969

Explanation: Multi-adapter bridge configuration change or error

Response: I/O adapter replaced by I/O processor card.

On the previous IPL there was an I/O adapter in the location specified in word 7 of the SRC. This IPL LIC detected that the IOA was replaced by an IOP in that location.

See MABRCFG symbolic FRU for the list of messages, a further description of the problem detected by Licensed Internal Code and the corrective action.

Failing Item:

- MABRCFG

A6xx696A A6xx696A

Explanation: Card slot test failed

Failing Item:

- LICIP14

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- FI00131
- BACKPLN

A6xx696B A6xx696B

Explanation: Card slot could not be validated

Response: This can be caused by "PCI error injection policy" being set to "YES" and an I/O Processor being installed on the same Multi-adapter bridge domain as the I/O Adapter. Do one of the following:

-- Using the hardware management console or a customer PC with a Web browser access the Advanced System Management Interface (ASMI) and disable PCI error injection policy.

OR

-- Vary off the I/O Adapter. Using Hardware Service manager in SST/DST, locate the I/O Adapter resource. Using concurrent maintenance on the associated packaging resource, remove the I/O Adapter and install it in a location that does not have I/O Processors on the same Multi-adapter bridge domain.

OR

-- Vary off the I/O Adapter. Use the concurrent maintenance option in Hardware Service Manager in SST/DST to power off all I/O Processors located on the same multi-adapter bridge domain as the I/O Adapter. Use concurrent maintenance to power off and power on the I/O Adapter. Then use concurrent maintenance to power on the I/O Processors located on the same multi-adapter bridge domain as the I/O Adapter.

A6xx6970 A6xx6970

Explanation: High Speed Link (HSL) resource failure

Response: A system PCI bus failure was detected. Word 7 of the SRC contains the bus number.

This failure can occur when a tower in an HSL loop is powered off using concurrent maintenance. If this is the case, close this problem.

This error is most likely in the hardware that makes up the PCI bus, the PCI bus side of the HSL I/O bridge or the multi-adapter bridge. In some cases it may be caused by a failing IOP in the multi-adapter bridge's domain. When an IOP is causing the problem, the failing IOP cannot be identified.

NOTE: This SRC can occur for the PCI bus resource on a PCI bus in an I/O expansion unit when the unit is powered off for a concurrent maintenance action.

If the Service Action Log, or serviceable event view on the hardware management console or service processor, is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item:

- SI_PHB
- PRI_PCI
- MA_BRDG
- MABIP03
- BRDGSET
- OPT_CLN

A6xx6971 A6xx6971

Explanation: High Speed Link (HSL) resource failure

Response: A failure occurred in a multi-adapter bridge or on the bus to the card location it controls.

If a serviceable event view is available, use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available, use the failing item list documented here.

Failing Item:

- MABIP02
- MA_BRDG
- MASBUS
- PIOCARD

A6xx6972 A6xx6972

Explanation: High Speed Link (HSL) resource failure

Response: Multi-adapter Bridge (MaB) failure detected.

For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event viewer you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log (SAL) or serviceable event viewer on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If a serviceable event view is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

Failing Item:

- MA_BRDG
-

A6xx6973 **A6xx6973**

Explanation: High Speed Link (HSL) resource failure

Response: Multi-adapter Bridge has detected a problem in the card installed in the location specified in word 7 of the SRC. Use the FRU list in the Service Action Log (SAL), or serviceable event view you are working with. If you are working from this document's FRU list use the Symbolic FRU BRDGSET to determine the failing items.

Failing Item:

- BRDGSET
- SIIOADP
- MA_BRDG

A6xx6974 **A6xx6974**

Explanation: Multi-adapter bridge configuration change or error

Response: PCI I/O processor rejected the assignment of or the removal of an I/O adapter.

Failing Item:

- MABRCFG

A6xx6975 **A6xx6975**

Explanation: The system issued a reset/reload to the service processor.

Response: Service processor error.

Failing Item:

- AJDGP01

A6xx6976 **A6xx6976**

Explanation: Service processor failure.

Response: For this reference code the failing item list presented in the Service Action Log (SAL), or serviceable event view you are working with, can be different from the failing item list documented here. That is due to the differences in system models and features installed.

If the Service Action Log (SAL) or a serviceable event viewer on the hardware management console is available then use the failing item list presented there for servicing this reference code.

If a serviceable event viewer is not available then use the failing item list documented here. By following the procedures in the symbolic FRUs listed here you will isolate to the correct FRU list based on system model and features installed.

Failing Item:

- SVCPROC

A6xx6980 **A6xx6980**

Explanation: Network Interface Controller / IO Hub failure.

Response: For Power5 and newer servers, service this error using the B7006980 service information. Otherwise, continue with this information.

The FRU list displayed in the Service Action Log (SAL) or serviceable event view you are working with, may vary from the failing item list given in this document. Use the FRU list in the serviceable event view if it is available to you.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item:

- SICNTRL
- OPT_CLN

A6xx6981 **A6xx6981**

Explanation: High Speed Link (HSL) I/O bridge failure

Response: For Power5 and newer servers, service this error using the B7006981 service information. Otherwise, continue with this information.

Cycle power on the frame identified as the frame with failed HSL I/O Bridge prior to replacing FRUs.

The FRU list displayed in the Service Action Log (SAL), or serviceable event view you are using, may vary from the failing item list given in this document. Use the FRU list in the serviceable event view if it is available to you.

If you find either a B6xx 6982 or B6xx 6984 SRC logged at approximately the same time as this SRC then they were caused by the same failure. If you find a 6982 SRC logged at approximately the same time then close this problem and service the 6982 SRC. The failing item listed for this SRC is one of the failing items listed for B6xx 6982. If the serviceable event view's entry for this SRC has a location listed then record the location for use in servicing the 6982 SRC.

NOTE: This SRC can occur for the HSL I/O Bridge resource in an I/O expansion unit when the unit is powered off for a concurrent maintenance action.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item:

- SIIOADP
- OPT_CLN

A6xx6982 • A6xx6985

A6xx6982 A6xx6982

Explanation: High Speed Link (HSL) connection failure

Response: For Power5 and newer servers, service this error using the B7006982 service information. Otherwise, continue with this information.

If this SRC is not in the Service Action Log (SAL) or serviceable event view you are using, then it is informational or statistical only. It does not require a service action.

Otherwise, this is a connection failure on an HSL link. Perform the procedure indicated in the failing item list.

Failing Item:

- RIOIP09
- HSL_LNK
- SIIOADP
- SICNTRL
- REM_NIC
- OPT_CLN

A6xx6983 A6xx6983

Explanation: An invalid High Speed Link (HSL) configuration was detected

Response: For Power5 and newer servers, service this error using the B7006983 service information. Otherwise, continue with this information.

An HSL loop has an invalid configuration. Word 4 of the SRC contains the program return code (PRC) which identifies the problem with the loop's configuration. Use the PRC and the FRU listed below to determine the problem.

If you are using the Service Action Log (SAL) or serviceable event view you are working with, the FRU description may already indicate the configuration problem.

Failing Item:

- SIRGCFG

A6xx6984 A6xx6984

Explanation: High Speed Link (HSL) loop status message

Response: For Power5 and newer servers, service this error using the B7006984 service information. Otherwise, continue with this information.

An HSL loop has switched to its alternate path. This is an informational SRC only.

Word 7 of the SRC contains the loop number in the leftmost 4 digits. The loop number is in hexadecimal format. You must convert the hexadecimal loop number

into decimal format to recognize the loop number in HSM.

This SRC can be caused by a tower on the HSL loop powering off.

This SRC may also appear in the Service Action Log (SAL), or serviceable event viewer you are using, with a B6xx 6982 or B6xx 6981 logged at approximately the same time. In that case the other SRC is reporting a failure and this SRC is reporting that the alternate HSL path is now being used. Service the other SRC if present.

A6xx6985 A6xx6985

Explanation: High Speed Link (HSL) loop status message

Response: For Power5 and newer servers, service this error using the B7006985 service information. Otherwise, continue with this information.

If this SRC is not in the Service Action Log (SAL), or serviceable event view you are using, then it is informational. Use FRU SIRSTAT to determine what this SRC means. Otherwise, continue with the following steps:

This error can appear as a serviceable event when a tower, or I/O unit or another system in the loop did not complete powering on before LIC on this system checked this loop for errors. Search the Product Activity Log (PAL) for the last B6xx 6985 SRC logged for this loop and use FRU SIRSTAT to determine if this error requires service. If the last entry indicates the loop is functioning (determined by FRU SIRSTAT) then no service action is required, close this problem

There may be multiple B6xx 6985 logs with xxxx 3205 in word 4 errors for the same loop resource in the serviceable event view. This is caused by retry and recovery attempts. If there is a B6xx 6985 with xxxx 3206 or xxxx 3208 in word 4 after the above B6xx 6985 entries in the PAL, then the recovery efforts were successful. If this is the case, close all the B6xx 6985 entries for that loop resource in the serviceable event view.

1. If you find a B6xx 6981 in the serviceable event view then close that problem and go to step 2. Otherwise perform the following:

- Perform RIOIP06 to determine if any other systems are connected to this loop and return here. (HSL_LNK or HSLxxxx FRU in the Service Action Log (SAL) entry, or serviceable event view you are working with, indicates the loop number.) If there are other system(s) then continue with the steps that follow, otherwise go to step 2.
- Check for HSL failures on the other system(s) before replacing parts. HSL failures are serviceable event entries with HSL I/O Bridge and Network Interface Controller (NIC)

resources. Ignore B6xx 6982 and B6xx 6984 entries. If there are HSL failures on other system(s) then continue with the steps that follow, otherwise go to step 2.

- Repair the problems on the other systems and return to this step. After making repairs on the other system(s) check the Product Activity Log (PAL) of this system for a B6xx 6985 logged after the repairs you made on the other system(s). If you find one then continue with the steps that follow, otherwise go to step 2.
 - For the B6xx 6985 log you found, use FRU SIRSTAT to determine if the loop is now complete. If the loop is complete then this problem has been resolved. Use RIOIP01 to verify that the loop is now working properly. Otherwise, go to step 2.
2. Use the serviceable event's FRU list when it is available.

If this SRC appears in the Service Action Log (SAL), or the serviceable event view you are using, with the Symbolic FRU HSL_LNK or HSLxxxx listed as a FRU, then perform problem isolation procedure RIOIP01. Otherwise exchange the FRUs listed in the serviceable event view.

NOTE: A fiber optic cleaning kit may be required for optical HSL connections.

Failing Item:

- SIRSTAT
- HSL_LNK
- SIOADP
- SICNTRL
- OPT_CLN

A6xx6986 A6xx6986

Explanation: System bus error

Response: For Power5 and newer servers, service this error using the B7006986 service information. Otherwise, continue with this information.

During IPL, system LIC detected an HSL I/O bridge that was already initialized. The bridge should have been in a flushed and uninitialized state after powering on. There is a problem with SPCN components that prevented the tower from powering off after a previous power off was issued. The tower will not be configured for this IPL.

This reference code is equivalent to 1xxx 90F0. When referring to the "CBLALL" symbolic FRU in the Failing Item list, perform the "CBLALL" procedure using reference code "90F0".

Word 5 of the SRC identifies the frame. Determine the frame by breaking down word 5:

Word 5 -> xxxx xxNN where: NN is the frame number in hexadecimal format.

Failing Item:

- TWRCARD
- CBLALL

A6xx6987 A6xx6987

Explanation: High Speed Link (HSL) connection failure

Response: For Power5 and newer servers, service this error using the B7006987 service information. Otherwise, continue with this information.

Failures are occurring on the HSL link.

There may be B6xx 6982 errors logged on the same loop and about the same time as this error. Close those errors and continue to correct the problem by working this error.

- If there is a cable FRU in the serviceable event entry:
 1. If the connection is copper and either end has a loose connection, re-seat the cable. To do this, disconnect the connection and wait a minimum of 30 seconds. Then reconnect the cable and complete the tightening process in at most 30 seconds. Repeat the process at the other end of the cable. If the error persists, replace the FRUs in the Service Action Log (SAL), or serviceable event view you are using.
 2. If the connection is optical, clean the connections at both ends of the cable. If the error persists, replace the FRUs in the Service Action Log (SAL), serviceable event view you are using.
 3. If the error persists, replace the FRUs at each end of the cable starting with the FROM FRU listed in the serviceable event view you are using.
- If there was no cable in the Service Action Log (SAL), or serviceable event view you are using, then replace the FRUs listed in the serviceable event view.

Failing Item:

- HSL_LNK
- OPT_CLN

A6xx6990 A6xx6990

Explanation: Service processor failure.

Response: The FRU list displayed in the Service Action Log (SAL), or serviceable event view you are working with, may vary from the failing item list given in this document. Use the FRU list in the serviceable event view if it is available to you.

Failing Item:

- SVCPROC

A6xx6991 • A6xx69C5

A6xx6991 A6xx6991

Explanation: Service processor failure.

Failing Item:

- AJDGP01
-

A6xx6992 A6xx6992

Explanation: Service processor failure.

Failing Item:

- AJDGP01
-

A6xx6993 A6xx6993

Explanation: Service processor failure.

Response: A failure occurred with the service processor hardware or the service processor LIC.

The FRU list displayed in the Service Action Log (SAL), or serviceable event view you are working with, may vary from the failing item list given in this document. Use the FRU list in the serviceable event view if it is available to you.

Failing Item:

- SVCPROC
 - AJDGP01
-

A6xx6994 A6xx6994

Explanation: Service processor failure.

Response: The FRU list displayed in the Service Action Log (SAL) or serviceable event view you are working with, may vary from the failing item list given in this document. Use the FRU list in the serviceable event view if it is available to you.

Failing Item:

- SVCPROC
-

A6xx699C A6xx699C

Explanation: Wrap plug is installed on Bus Expansion Adapter card

Response: This reference code is for information only. It indicates the presence of a wrap plug on the local optical link card.

A6xx69A8 A6xx69A8

Explanation: Informational bus reference code

Response: This reference code is for information only and might include the following:

- Optical speed encode
 - Broken optical links now operational
 - Other information
-

A6xx69B8 A6xx69B8

Explanation: Bus hardware configuration problem

Response: Contact your next level of support.

Failing Item:

- NEXTLVL
-

A6xx69C1 A6xx69C1

Explanation: A failure occurred communicating with another LPAR or system participating in Opti-connect with this LPAR or system. Starting with IBM i release 7.1 this event will be logged in the Product Activity Log but it will not be in the Service Action Log or the Problem Log. This event normally occurs when the other LPAR or system is powered off. If both LPARs or systems are running and have no Opti-connect errors then this event is indicating a possible problem with Opti-connect.

Response: Contact your next level of support if you suspect an Opti-connect problem. Otherwise this is a tracking event.

Failing Item:

- NEXTLVL
-

A6xx69C2 A6xx69C2

Explanation: HSL Opticonnect normal connect to another sys. or partition.

Response: This reference code is informational only.

HSL OptiConnect has established connection normally. The local system or partition is participating in HSL Opticonnect with other systems or partitions on the same HSL loop.

A6xx69C3 A6xx69C3

Explanation: HSL Opticonnect normal disconnect from other sys. or partition

Response: This reference code is informational only.

HSL Opticonnect disconnected normally from a remote node. The local system or partition has stopped participating in HSL Opticonnect with the remote system or partition on the same HSL loop. Possible reasons include:

- A remote system or partition went off line due to a normal power off or disable of HSL Opticonnect.
-

A6xx69C5 A6xx69C5

Explanation: I/O processor failure

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

A6xx69C6 A6xx69C6

Explanation: HSL Opticonnect abnormal disconnect from other sys. or partition.

Response: The local system or partition disconnected from a remote system or partition due to an unexpected event or failure. The problem is most likely with the remote system or partition. Intervention at the remote system is most likely required. Examine both the local and remote HSL OptiConnected systems or partitions for problems on this HSL loop.

Possible reasons include: A fatal error in software or hardware in the remote system or partition or a power failure in the remote system.

If there was not a complete HSL loop before this error occurred then a failure or power down in an HSL component between the local system or partition and the remote system or partition could have caused this error. Check for a problem with: an HSL cable, HSL I/O bridge or a power problem in an expansion I/O tower or unit on this loop.

Examine the Service Action Log (SAL), or serviceable event view you are using on the local system or partition for HSL failures on the same HSL loop at approximately the same time this error occurred.

Examine the remote system or partition for problems. If the remote system or partition is powered on and IPL'd then examine the Service Action Log (SAL), or serviceable event view you are using, on the remote system or partition for problems on the same HSL loop at approximately the same time this error occurred.

Correct any problems you find with the remote and local systems or partitions that happened at approximately the same time and involve HSL Opticonnect or HSL loop components or Network Interface Controllers. When the remote system is IPL'd it will automatically reconnect with this system or partition.

If there are no problems with the remote system or partition and there are no problems with the local system or partition then collect all the Product Activity Log information for this failure on both systems. Be sure to record all words in the SRC. Contact your next level of support.

Failing Item:

- REM_SYS

A6xx69C7 A6xx69C7

Explanation: HSL Opticonnect abnormal disconnect from other sys. or partition.

Response: The local system or partition disconnected from a remote system or partition due to an unexpected event or failure. LIC will attempt to recover from the error. Intervention at the local or remote system or partition may be required.

Possible causes are: time out, hang or hardware failure. The problem may be with: the local system or partition or the remote system or partition.

If there was not a complete HSL loop before this error then a failure or power down in an HSL component between the local system or partition and the remote system or partition could have caused this error. Check for SRCs with FRUs like: HSL cables, HSL I/O bridge or a power problem in an expansion I/O tower or unit on this loop.

Examine the SAL or serviceable event view you are working with on the local system or partition for failures on the same loop, or with the Network Interface Controller at approximately the same time.

Examine the remote system or partition for problems. Correct any HSL or NIC problems you find with the remote and local systems or partitions.

If there are no problems with the remote system or partition and there are no problems with the local system or partition then collect all the Product Activity Log (PAL) information for this failure on both systems. Be sure to record all words in the SRC. Contact your next level of support.

Failing Item:

- REM_SYS
- LOC_SYS

A6xx69C8 A6xx69C8

Explanation: HSL Opticonnect abnormal disconnect from other sys. or partition.

Response: The local system or partition disconnected from a remote system or partition due to an unexpected event or failure. All of the HSL OptiConnect connections on this loop will be in a failed state. LIC will attempt to recover from the error. Intervention at the local or remote system or partition may be required. Possible causes are:

- time out of a critical message
- LIC code / table problem
- Network deadlock detected

The problem may be with:

- The local system or partition
- The remote system or partition

Examine the Service Action Log (SAL), or serviceable event view you are using, on the local system or partition for HSL failures on the same HSL loop, or with the Network Interface Controller at approximately the same time this error occurred.

Examine the remote system or partition for problems. Examine the Service Action Log (SAL), or serviceable event view you are using, on the remote system or partition for problems on the same HSL loop or with

A6xx69C9 • A6xx69DA

the Network Interface Controller at approximately the same time this error occurred.

Correct any problems you find with the remote and local systems or partitions that happened at approximately the same time and involve HSL Opticonnect or HSL loop components or Network Interface Controllers.

If there are no problems with the remote system or partition and there are no problems with the local system or partition then collect all the Product Activity Log information for this failure on all systems or partitions. Be sure to record all words in the SRCs. Contact your next level of support.

Failing Item:

- REM_SYS
- LOC_SYS
- AJDG301

A6xx69C9 A6xx69C9

Explanation: HSL Opticonnect abnormal disconnect from other sys. or partition.

Response: The local system or partition disconnected from a remote system or partition due to an failure in a LIC virtualized bus unit. LIC will attempt to recover from the error. Possible causes are:

- LIC problem where the local bus unit is off line.
- LIC problem where the remote bus unit is off line.

Examine the Service Action Log (SAL), or serviceable event view you are using, on the local system or partition for HSL Opticonnect failures that occurred at approximately the same time this error occurred.

Examine the remote system or partition for problems. Examine the Service Action Log (SAL), or the serviceable event view you are using, on the remote system or partition for HSL Opticonnect problems that occurred at approximately the same time this error occurred.

Collect all the Product Activity Log information for this failure on all systems and partitions on this HSL loop. Be sure to record all words in the SRCs. Contact your next level of support with the information you have collected.

Failing Item:

- AJDG301
- REM_SYS
- LOC_SYS

A6xx69CF A6xx69CF

Explanation: HSL Opticonnect abnormal disconnect from other sys. or partition.

Response: LIC internal error. All systems participating in HSL OptiConnect will be disconnected. The system must be re-IPL'd to recover. Before re-IPL'ing the system initiate a main store dump.

After getting the dump, examine the Service Action Log (SAL), or serviceable event view you are using, on the local system or partition for HSL Opticonnect failures that occurred at approximately the same time this error occurred.

Examine the remote systems or partitions for problems. Examine the Service Action Log (SAL), or serviceable event view you are using, on the remote systems or partitions for HSL Opticonnect problems that occurred at approximately the same time this error occurred.

Collect all the Product Activity Log information for this failure on all systems and partitions on this HSL loop. Be sure to record all words in the SRCs. Contact your next level of support with the information you have collected.

Failing Item:

- AJDG301

A6xx69D0 A6xx69D0

Explanation: Bus Expansion Adapter card failed

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

A6xx69D8 A6xx69D8

Explanation: Bus Expansion Adapter failed

Response: Contact your next level of support.

Failing Item:

- NEXTLVL

A6xx69D9 A6xx69D9

Explanation: Host Ethernet Adapter (HEA) failure

Response: Firmware detected a hardware failure in the Host Ethernet Adapter (HEA).

Failing Item:

- HEA

A6xx69DA A6xx69DA

Explanation: System log entry only, no service action required

A6xx69DB **A6xx69DB****Explanation:** LIC failure**Response:** A Licensed Internal Code error occurred. The partition will continue to run with this Host Ethernet Adapter (HEA) disabled. Perform a partition dump and then IPL the partition to recover the HEA. Send the partition dump to your next level of support.**Failing Item:**

- SVCDOCS
-

A6xx69DC **A6xx69DC****Explanation:** The HEA is not connected to the Ethernet switch**Response:** The Host Ethernet Adapter (HEA) is not connected to the Ethernet switch. If the HEA connection is not needed, no service action is required.

If the HEA connection is needed, verify that the cable is connected and the switch is powered on. After repairing the problem, verify that the connection has been restored.

A6xx69DD **A6xx69DD****Explanation:** The HEA connection to the Ethernet switch has been restored**Response:** System log entry only, no service action required.

A6xx69DE **A6xx69DE****Explanation:** HEA Media Interface Adapter Failure**Response:** Firmware detected a failure in the HEA Media Interface Adapter.**Failing Item:**

- HEA
 - AJDG301
-

A6xx69E0 **A6xx69E0****Explanation:** Bus Expansion Adapter card failed**Response:** Contact your next level of support.**Failing Item:**

- NEXTLVL
-

A6xx69E8 **A6xx69E8****Explanation:** Bus Expansion Adapter failed**Response:** Contact your next level of support.**Failing Item:**

- NEXTLVL
-

A6xx69F0 **A6xx69F0****Explanation:** Bus Expansion Adapter failed**Response:** Contact your next level of support.**Failing Item:**

- NEXTLVL
-

A6xx69F8 **A6xx69F8****Explanation:** Bus Expansion Adapter failed**Response:** Contact your next level of support.**Failing Item:**

- NEXTLVL
-

A6xx7001 **A6xx7001****Explanation:** ISDN call in rejected**Failing Item:**

- UG3LB
-

A6xx7004 **A6xx7004****Explanation:** TCP/IP informational error**Response:** This reference code is logged when the TCP/IP Attribute Log Protocol Errors is set, and the TCP/IP System LIC silently discards an in bound datagram. Silently discard is defined to mean discard the received datagram without reporting an error to the originating host device. Examples of such datagrams are those with checksums or destination addresses which are not valid.

This reference code is for information only. Normally no action should be taken as a result of this reference code. It is generated in order to assist with remote device or TCP/IP network problem determination.

A6xx7055 **A6xx7055****Explanation:** Statistics were logged, no service action required**Response:** This reference code is logged for information only.

A6xx7102 **A6xx7102****Explanation:** APPN CP-CP session ended.

A6xx7201 **A6xx7201****Explanation:** A utility failure occurred**Response:** This reference code is for information only. The Uninterruptible Power System (UPS) is reporting a utility failure.

A6xx7202 • A6xx8002

A6xx7202 A6xx7202

Explanation: Utility power restored

Response: This reference code is for information only. The Uninterruptible Power System (UPS) is reporting that utility power has been restored.

A6xx7203 A6xx7203

Explanation: A battery low condition was detected

Response: This reference code is for information only. The Uninterruptible Power System (UPS) is reporting a battery low condition.

A6xx7204 A6xx7204

Explanation: Uninterruptible Power System reported a bypass active

Response: This reference code is for information only. The Uninterruptible Power System (UPS) is reporting a bypass is active.

A6xx7205 A6xx7205

Explanation: Battery low condition was reset

Response: This reference code is for information only. The Uninterruptible Power System (UPS) is no longer reporting a battery low condition.

A6xx7206 A6xx7206

Explanation: UPS reported bypass no longer active

Response: This reference code is for information only. The Uninterruptible Power System (UPS) is no longer reporting a bypass active condition.

A6xx720A A6xx720A

Explanation: Battery Power Unit replacement dates do not match

Response: The replacement dates for one of the Battery Power Units do not match. Run "Display Hardware Configuration" and verify that the dates match the labels on the batteries.

A6xx7703 A6xx7703

Explanation: System LIC detected a program exception

Response: Storage Management detected a DASD datacheck condition and the defective sector was reallocated.

Perform a system IPL to restart the system.

A6xx7704 A6xx7704

Explanation: General failure detected by HRI component.

Failing Item:

- AJDG301

A6xx7777 A6xx7777

Explanation: Hardware configuration change detected

Response: A hardware resource is missing. The resource reported in to the system on a previous IPL, but has not reported in on the current IPL. This could occur for several different reasons.

1. It could be a normal situation where the resource is currently powered off. In this case, when the resource is powered back on, it will no longer be missing.
2. The hardware resource could also be missing if it has been removed from the system, for example, a tape drive that was replaced with a different tape drive. The service representative should use the Hardware service manager to remove the entry for this resource.
3. The resource may not have reported in on this IPL because it is failing. Perform problem analysis to determine why the resource is failing.

A6xx8000 A6xx8000

Explanation: An external storage subsystem disk unit connection failed

Response: Look for other errors in the Service Action Log (SAL), or serviceable event view you are working with, and fix them.

A6xx8001 A6xx8001

Explanation: An external storage subsystem disk unit connection failed

Response: Look for other errors in the Service Action Log, or serviceable event view you are working with, and fix them.

A6xx8002 A6xx8002

Explanation: Maximum number of redundant connections exceeded

Response: An attempt to activate a connection from another I/O adapter to an external storage subsystem disk unit failed because the maximum number of connections are already active for this disk unit. No action required.

A6xx8003 **A6xx8003**

Explanation: External storage subsystem disk unit connection was restored

Response: No action required.

A6xx8004 **A6xx8004**

Explanation: An external storage subsystem disk unit connection failed

Response: Could not read configuration information from the disk unit. Look for other errors in the Service Action Log, or serviceable event view you are working with, and fix them.

A6xx8005 **A6xx8005**

Explanation: High performance connection failed

Response: A high performance connection to an external storage subsystem disk unit failed.

There are still two or more external storage subsystem disk unit connections, but performance might be degraded.

Look for other errors in the Service Action Log, or serviceable event view you are working with, and fix them.

A6xx8006 **A6xx8006**

Explanation: High performance connection failed

Response: A high performance connection to an external storage subsystem disk unit failed.

There is still one more external storage subsystem disk unit connection, but performance might be degraded.

Look for other errors in the Service Action Log, or serviceable event view you are working with, and fix them.

A6xx8007 **A6xx8007**

Explanation: High performance connection was restored

Response: A high performance connection to an external storage subsystem disk unit was restored.

Performance is no longer degraded.

No action required.

A6xxB700 **A6xxB700**

Explanation: A platform firmware error log was signalled to LIC but could not be retrieved from platform firmware. LIC created this event in the PAL with SRC B600B700 to log the problem.

Problem determination: Contact your hardware

service provider. This is a platform firmware problem.

Failing Item:

- NEXTLVL
-

A6xxCF00 **A6xxCF00**

Explanation: Permanent error on removable media device.

Response: A type D IPL terminated because of a removable media Load Source device failure. If the removable media Load Source is an external device, check the cables. If that does not correct the problem, replace the device. If the removable media Load Source is an internal device, replace the device. If the removable media Load Source is a virtual device, ensure it is set up correctly.

Failing Item:

- SVCDOCS
-

A6xxCF01 **A6xxCF01**

Explanation: Unsupported removable media device configuration.

Problem determination: A type D IPL terminated because of an unsupported removable media device configuration. Retry the D-IPL with a different removable media device.

Failing Item:

- SVCDOCS
-

A6xxCFFC **A6xxCFFC**

Explanation: Optical library device condition not expected

Response: The optical disk drive addressing within the optical library is incorrect. This error is likely to be the result of faulty cabling or switch setting following service to an optical library.

Contact your hardware service provider.

Failing Item:

- OPTLCBL
 - DRVSWCH
-

A6xxCFFD **A6xxCFFD**

Explanation: Optical drive failure

Failing Item:

- OPTLDRV
-

A6xxCFFF • A6xxFDC5

A6xxCFFF A6xxCFFF

Explanation: Media determined to be bad in Optical library

A6xxF103 A6xxF103

Explanation: Main storage dump must be copied for service

Failing Item:

- LICIP01

A6xxF104 A6xxF104

Explanation: LPAR service function directed a Main Storage Dump.

Response: The Hypervisor terminated a partition with an unresponsive Operating System. A Main Store Dump must be done for service. Call your next level of support when the dump is complete.

Failing Item:

- LICIP01

A6xxF105 A6xxF105

Explanation: Licensed Internal Code detected error

Failing Item:

- NEXTLVL

A6xxFDC0 A6xxFDC0

Explanation: LIC program reported informational error

Response: This reference code is logged for information only. No action required.

A6xxFDC5 A6xxFDC5

Explanation: LIC program failed and data was captured

Response: This reference code indicates first failure data capture (FFDC) data was collected for a problem reported by licensed internal code.

The user should dial IBM Software Support for assistance.

Failing Item:

- UG3AS

(A7xx) Reference codes

An A7xx reference code indicates that an event or error was detected and logged by platform firmware. To resolve an A7xx reference code, determine if the SRC requires a service action. If the SRC is listed in a serviceable event view, use the FRU list from the serviceable event view to determine the actions to take. If you do not find the SRC in a serviceable event view, then it is an informational event and does not require service action.

A7001150 A7001150

Explanation: System log entry only, no service action required

Response: No action needed unless a serviceable event was logged. If a serviceable event was logged, resolve that error.

A7001151 A7001151

Explanation: System log entry only, no service action required

Response: No action needed unless a serviceable event was logged. If a serviceable event was logged, resolve that error.

A7001152 A7001152

Explanation: Platform firmware detected a timeout condition.

Response: A reset/reload of the service processor has cleared the timeout condition.

If a service processor dump exists, it should be collected for IBM Service.

Failing Item:

- NEXTLVL

A7001160 A7001160

Explanation: Service processor failure

Response: Work with the FRU list in the serviceable event view if there is one, otherwise use the FRU list documented here to determine the parts to exchange.

The platform encountered an error communicating with the service processor. The platform code attempts a graceful shutdown of partitions and powers off the server after a certain time, or when the last partition indicates shutdown, whichever comes first.

Failing Item:

- LICCODE
- SVCPROC
- PSI_LNK

A7001161 A7001161

Explanation: System log entry only, no service action required

Response: The platform encountered a service processor event indicating that the power status has changed. Note that this is A7xx only.

A7001730 A7001730

Explanation: Platform LIC detected an error

Response: The VPD for the system is not what was expected at IPL.

When word 9 is 00180003, a redundant VPD chip exists, and the system will continue to run. Replace the VPD card at your next scheduled maintenance. When word 9 is not 00180003 replace the VPD card immediately.

Work with the FRU list in the serviceable event view, if there is one. Otherwise, use the FRU list documented here to determine the parts to exchange.

Failing Item:

- CAPACTY

A700173A A700173A

Explanation: A VPD collection overflow occurred

Response: Look for and resolve other errors in the serviceable event view. If that does not resolve the problem, check for firmware updates and install them, if available. If that does not resolve the problem, contact your next level of support.

Failing Item:

- SVCDOCS

A700173C A700173C

Explanation: Generic Asset Protection Event. No service action is required.

Response:

Problem determination:

A7003000 A7003000

A7003003 • A7004712

Explanation: User-initiated PHYP-generated SYSDUMP.

Response: No service action required.

A7003003 A7003003

Explanation: User-initiated PHYP-content RSCDUMP.

Response: No service action required.

A7004091 A7004091

Explanation: User intervention required

Response: The system power on has reached a standby state. The firmware does not have partition configuration information.

Use the HMC OR SDMC to activate one or more partitions to change the system from a standby state to an operating state. If the HMC or SDMC does not manage the server, perform Restoring your server to factory settings.

Failing Item:

- SVCDOCS

A7004700 A7004700

Explanation: Platform LIC detected an error

Response: A problem occurred when initializing, reading, or using system VPD.

Capacity on Demand is not available because the stored activation code is not valid. Contact your next level of support to verify your activation code. If the activation code is valid, replace the VPD card.

Failing Item:

- SVCDOCS
- CAPACTY

A7004701 A7004701

Explanation: Platform LIC detected an error

Response: A problem occurred when initializing, reading, or using system VPD. The IPL failed.

Work with the FRU list in the serviceable event view if there is one, otherwise use the FRU list documented here to determine the parts to exchange.

Failing Item:

- CAPACTY

A7004703 A7004703

Explanation: Platform LIC failure

Response: A problem occurred when initializing, reading, or using system VPD. The Capacity on Demand function is not available. If Capacity on

Demand function is required, re-IPL the system. If that does not correct the problem, contact your next level of support.

Failing Item:

- LICCODE

A7004704 A7004704

Explanation: Platform LIC detected an error

Response: The Capacity on Demand function is no longer available. If Capacity on Demand functions are required, look for and correct errors with SRCs of the form B1xxxxxx in the Serviceable Event View. If that does not correct the problem, or no errors were found, contact your next level of support.

Failing Item:

- SVCDOCS

A7004705 A7004705

Explanation: Platform LIC failure

Response: A problem occurred when initializing, reading, or using system VPD. The Capacity on Demand function is not available. If Capacity on Demand function is required, re-IPL the system. If that does not correct the problem, contact your next level of support.

Failing Item:

- SVCDOCS

A7004710 A7004710

Explanation: Platform LIC detected an error

Response: A communications problem with the service processor occurred while initiating Capacity on Demand. The Capacity on Demand function is not available.

If Capacity on Demand function is required, look for errors with SRCs of the form B1xxxxxx or B7xx69xx in the Serviceable Event View. Work those errors. If that does not correct the problem, proceed with the failing items listed in the serviceable event view for this SRC.

Failing Item:

- SVCDOCS
- CAPACTY

A7004712 A7004712

Explanation: Platform LIC detected the VPD card is missing

Response: A problem occurred when initializing, reading, or using system VPD.

Work with the FRU list in the serviceable event view if there is one, otherwise use the FRU list documented

here to determine the parts to exchange.

Failing Item:

- CAPACTY

A7004713 A7004713

Explanation: Platform LIC detected an error

Response: The VPD card has been exchanged with a not valid card. Reinstall the original VPD card in the system.

Failing Item:

- SVCDOCS

A7004714 A7004714

Explanation: Platform LIC has detected a new VPD card

Response: The new VPD card requires new activation codes. Enter the new activation codes.

A7004715 A7004715

Explanation: Platform LIC detected an error

Response: A problem occurred when initializing, reading, or using system VPD during concurrent maintenance.

Look for errors with SRCs of the form B1xxxxxx in the Serviceable Event View. Work those errors first. If that does not correct the problem, replace the VPD card.

Work with the FRU list in the serviceable event view if there is one, otherwise use the FRU list documented here to determine the parts to exchange.

Failing Item:

- SVCDOCS
- CAPACTY

A7004716 A7004716

Explanation: User intervention required

Response: The Capacity on Demand activation code recovery period has been started. Either obtain more capacity by obtaining new activation codes or allocate fewer resources in the LPAR configuration.

Failing Item:

- SVCDOCS
- LPARCFG

A7004721 A7004721

Explanation: The World Wide Port Name (WWPN) Prefix is not valid.

Response: Contact your hardware service provider to obtain a valid World-Wide Port Name (WWPN). Once

you have obtained a valid WWPN value, go to ASM and select: System_Configuration-> Program_Vital_Product_Data-> System_Keywords. On the System_Keyword menu, enter the value for the 'WN' keyword.

Failing Item:

- SVCDOCS

A7004730 A7004730

Explanation: Platform LIC detected an error

Response: A problem occurred when configuring the logical partitions on the system. More resources were allocated than there are available for use. Either obtain more capacity by obtaining new activation codes or allocate fewer resources in the LPAR configuration.

Failing Item:

- SVCDOCS
- LPARCFG

A7004731 A7004731

Explanation: Platform LIC detected an error

Response: The system has been running with full Capacity on Demand resources activated. In one hour, the system will terminate and unlicensed resources will no longer be available. To prevent the system from terminating, enter an activation code of all zeroes. Then obtain the proper activation codes for the resources being used or allocate fewer resources in the LPAR configuration.

Failing Item:

- SVCDOCS

A7004733 A7004733

Explanation: Platform LIC failure

Response: The Capacity on Demand function is not available. If Capacity on Demand function is required, re-IPL the system. If that does not correct the problem, contact your next level of support.

A7004740 A7004740

Explanation: Platform LIC detected an error

Response: An incorrect activation code has been detected. Resources associated with this activation code have been disabled. Enter a valid activation code.

A7004741 A7004741

Explanation: Platform LIC detected an error

Response: The number of allowable attempts to enter a valid activation code has been exceeded. The system will continue to run, but a system IPL is required in

A7004742 • A70047CD

order to retry entering a valid activation code.

A7004742 A7004742

Explanation: Generally represents a temporary communications failure between Server firmware and the Anchor Card.

Response: A communications session between the server's firmware and the Anchor Card in the FSP could not be established or was interrupted.

An isolated occurrence of this type of error can safely be ignored. However if these errors become fairly frequent, are clustered together, or are accompanied by other related (A70047xx) errors that they would require closer scrutiny to determine if a serviceable problem exists.

Failing Item:

- SVCDOCS
- CAPACTY

A7004747 A7004747

Explanation: User intervention required

Response: One hour remains until the On/Off Capacity on Demand request expires. Permanently activate the temporary Capacity on Demand resources, enter a new On/Off Capacity on Demand request for the temporary resources, or remove all temporary resources from partitions before the request expires.

Failing Item:

- SVCDOCS

A7004748 A7004748

Explanation: User intervention required

Response: One hour remains until the Utility Capacity on Demand enablement expires. In order to reactivate temporary resources, a new Utility Capacity on Demand enablement code is required.

Failing Item:

- SVCDOCS

A7004749 A7004749

Explanation: User intervention required

Response: One hour remains until the Trial Customer on Demand activation expires. Obtain a permanent activation code or remove all temporary resources from partitions before the request expires.

Failing Item:

- SVCDOCS

A700474A A700474A

Explanation: System has Active Memory Mirroring (AMM) ON, but is not licensed for AMM use

Problem determination: The FSP or HMC interfaces have been used to set AMM to "ON" for the system. However, at IPL time, the system does not have a valid license for AMM. The customer needs to contact IBM or a Partner Sales representative to purchase and enter an Activation Code for this feature. If this is not possible, then turn off the system; use FSP or HMC interfaces to turn AMM "OFF"; and re-IPL.

Failing Item:

- SVCDOCS

A7004750 A7004750

Explanation: A Capacity on Demand change has been detected

Response: Utility Capacity on Demand resources have been activated.

A7004788 A7004788

Explanation: System log entry only, no service action required

Response: The data obtained from the system is not what was expected. The IPL will continue. Should other errors occur, contact your next level of support.

A70047C1 A70047C1

Explanation: Capacity on Demand data mismatch

Response: The data obtained from the system is not what was expected. The system will perform a slow IPL in order to obtain the correct data. If other errors occur, contact your next level of support.

A70047CB A70047CB

Explanation: Fast system IPL changed to slow system IPL

Response: The data obtained from the system is not what was expected. The system will perform a slow IPL in order to obtain the correct data. If other errors occur, contact your next level of support.

A70047CD A70047CD

Explanation: Platform LIC detected an error

Response: The server detected a not valid Capacity On Demand activation and terminated the system. The allocated resources for the system might exceed those that are available for use.

Failing Item:

- SVCDOCS

A70047FF A70047FF

Explanation: System log entry only, no service action required

Response: The Capacity on Demand History Log has been written to the error log. No service action is required.

A700C2AC A700C2AC

Explanation: System log entry only, no service action required

Response: The Capacity on Demand License acceptance has completed.

No corrective action is required.

Failing Item:

- SVCDOCS

A7013003 A7013003

Explanation: Partition-initiated PHYP-content RSCDUMP.

Response: No service action required.

(AAxx) Reference codes

Partition firmware posts AAxx system reference (attention) codes, which offer information about the next target state for the platform firmware. These codes might also indicate that you need to perform an action, such as opening a firmware console or checking serial connections.

Note: Click the failing item in the FRU list only when you experience a hang condition on an attention code. For example, a hang condition occurs when your server performs a requested action but the SRC in the control panel display does not change for several minutes and the partition firmware appears to be hung.

AA00E158 **AA00E158**

Explanation: Waiting for virtual terminal (VTERM) to be opened on the HMC.

Explanation: Admin access password prompt

Failing Item:

- FWPWD

AA00E159 **AA00E159**

Explanation: Waiting for serial connection to the service processor to be established

AA060007 **AA060007**

Explanation: A keyboard was not found

AA00E175 **AA00E175**

Explanation: The I/O configuration exceeds the recommended size. Some operating systems might crash when using this configuration.

AA06000B **AA06000B**

Explanation: The system or partition was not able to find an operating system on any of the devices in the boot list.

Failing Item:

- FWFLASH

AA06000C **AA06000C**

Explanation: The media specified in a device in the bootlist was not bootable

AA00E1A8 **AA00E1A8**

Explanation: The system is booting to the open firmware prompt

AA06000D **AA06000D**

Explanation: The media in the device in the bootlist not found under the I/O adapter specified by the boot list.

Failing Item:

- FWFLASH

AA06000E **AA06000E**

Explanation: The adapter specified in the boot list is not present or not functioning.

AA00E1A9 **AA00E1A9**

Explanation: The system is booting to the SMS menus

Failing Item:

- FWFLASH

AA060010 **AA060010**

Explanation: The FAT filesystem on the bootdisk is configured in a way that may cause a boot failure.

AA00E1B0 **AA00E1B0**

Explanation: Waiting for the user to select language and keyboard.

AA060011 **AA060011**

Explanation: The firmware did not find the operating system image and is unable to detect at least one hard disk in the boot list. Firmware is now retrying the entries in the boot list. This often occurs when the boot disk enclosure is not yet fully initialized or if the boot disk belongs to a server partition.

AA00E1B1 **AA00E1B1**

Explanation: Waiting for the user to accept or decline the license agreement.

Problem determination: This error might occur before

AA00E1F3 **AA00E1F3**

AA100001 • AA260005

the initialization of an enclosure that contains the boot disk is complete or when the boot disk belongs to another partition.

If this problem persists, do the following:

1. Verify that the boot disk belongs to the partition that is being booted.
2. Verify that the boot list in the SMS menus is correct.

AA100001 AA100001

Explanation: The hypervisor failed to send an LP event to the partition firmware.

AA100002 AA100002

Explanation: A bad return code was received when the LP event acknowledgement was received from the hypervisor.

AA130013 AA130013

Explanation: Bootable media is missing from a USB-attached CD-ROM.

AA130014 AA130014

Explanation: The media in the USB CD-ROM drive has been changed.

AA170210 AA170210

Explanation: Setenv/\$setenv parameter error - the name contains a null character.

Failing Item:

- FWFLASH

AA170211 AA170211

Explanation: Setenv/\$Setenv parameter error - value contains a null character

Failing Item:

- FWFLASH

AA170212 AA170212

Explanation: Setenv/\$Setenv parameter error: name is null or too long. The name length is limited to 31 characters.

Failing Item:

- FWFLASH

AA190001 AA190001

Explanation: The server firmware function to get and set the time-of-day reported an error.

AA260001 AA260001

Explanation: The firmware is waiting for someone to enter the machine type, model, and serial number.

AA260002 AA260002

Explanation: The system is waiting for the serial number to be entered.

Response: Enter the serial number of the system at the prompt

AA260003 AA260003

Explanation: The system is waiting for the system unique ID number to be entered.

Response: Enter the system unique ID number at the prompt.

AA260004 AA260004

Explanation: The system is waiting for the worldwide port number to be entered.

Response: Enter the worldwide port number at the prompt.

AA260005 AA260005

Explanation: The system is waiting for the brand number to be entered.

Response: Enter the brand number at the prompt.

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Industry Canada Compliance Statement

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Avis de conformité à la réglementation d'Industrie Canada

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Electromagnetic Interference (EMI) Statement - Taiwan

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這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

The following is a summary of the EMI Taiwan statement above.

Warning: This is a Class A product. In a domestic environment this product may cause radio interference in which case the user will be required to take adequate measures.

IBM Taiwan Contact Information:

台灣IBM 產品服務聯絡方式：
台灣國際商業機器股份有限公司
台北市松仁路7號3樓
電話：0800-016-888

Electromagnetic Interference (EMI) Statement - Korea

이 기기는 업무용(A급)으로 전자파적합기기로서 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목적으로 합니다.

Germany Compliance Statement

Deutschsprachiger EU Hinweis: Hinweis für Geräte der Klasse A EU-Richtlinie zur Elektromagnetischen Verträglichkeit

Dieses Produkt entspricht den Schutzanforderungen der EU-Richtlinie 2004/108/EG zur Angleichung der Rechtsvorschriften über die elektromagnetische Verträglichkeit in den EU-Mitgliedsstaaten und hält die Grenzwerte der EN 55022 Klasse A ein.

Um dieses sicherzustellen, sind die Geräte wie in den Handbüchern beschrieben zu installieren und zu betreiben. Des Weiteren dürfen auch nur von der IBM empfohlene Kabel angeschlossen werden. IBM übernimmt keine Verantwortung für die Einhaltung der Schutzanforderungen, wenn das Produkt ohne Zustimmung von IBM verändert bzw. wenn Erweiterungskomponenten von Fremdherstellern ohne Empfehlung von IBM gesteckt/eingebaut werden.

EN 55022 Klasse A Geräte müssen mit folgendem Warnhinweis versehen werden:
"Warnung: Dieses ist eine Einrichtung der Klasse A. Diese Einrichtung kann im Wohnbereich Funk-Störungen verursachen; in diesem Fall kann vom Betreiber verlangt werden, angemessene Maßnahmen zu ergreifen und dafür aufzukommen."

Deutschland: Einhaltung des Gesetzes über die elektromagnetische Verträglichkeit von Geräten

Dieses Produkt entspricht dem "Gesetz über die elektromagnetische Verträglichkeit von Geräten (EMVG)". Dies ist die Umsetzung der EU-Richtlinie 2004/108/EG in der Bundesrepublik Deutschland.

Zulassungsbescheinigung laut dem Deutschen Gesetz über die elektromagnetische Verträglichkeit von Geräten (EMVG) (bzw. der EMC EG Richtlinie 2004/108/EG) für Geräte der Klasse A

Dieses Gerät ist berechtigt, in Übereinstimmung mit dem Deutschen EMVG das EG-Konformitätszeichen - CE - zu führen.

Verantwortlich für die Einhaltung der EMV Vorschriften ist der Hersteller:
International Business Machines Corp.
New Orchard Road
Armonk, New York 10504
Tel: 914-499-1900

Der verantwortliche Ansprechpartner des Herstellers in der EU ist:
IBM Deutschland GmbH
Technical Regulations, Abteilung M372
IBM-Allee 1, 71139 Ehningen, Germany
Tel: +49 7032 15 2941
email: lugi@de.ibm.com

Generelle Informationen:

Das Gerät erfüllt die Schutzanforderungen nach EN 55024 und EN 55022 Klasse A.

Electromagnetic Interference (EMI) Statement - Russia

**ВНИМАНИЕ! Настоящее изделие относится к классу А.
В жилых помещениях оно может создавать
радиопомехи, для снижения которых необходимы
дополнительные меры**

Class B Notices

The following Class B statements apply to features designated as electromagnetic compatibility (EMC) Class B in the feature installation information.

Federal Communications Commission (FCC) statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult an IBM-authorized dealer or service representative for help.

Properly shielded and grounded cables and connectors must be used in order to meet FCC emission limits. Proper cables and connectors are available from IBM-authorized dealers. IBM is not responsible for any radio or television interference caused by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Industry Canada Compliance Statement

This Class B digital apparatus complies with Canadian ICES-003.

Avis de conformité à la réglementation d'Industrie Canada

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

European Community Compliance Statement

This product is in conformity with the protection requirements of EU Council Directive 2004/108/EC on the approximation of the laws of the Member States relating to electromagnetic compatibility. IBM cannot accept responsibility for any failure to satisfy the protection requirements resulting from a non-recommended modification of the product, including the fitting of non-IBM option cards.

This product has been tested and found to comply with the limits for Class B Information Technology Equipment according to European Standard EN 55022. The limits for Class B equipment were derived for typical residential environments to provide reasonable protection against interference with licensed communication equipment.

European Community contact:
IBM Deutschland GmbH
Technical Regulations, Department M372
IBM-Allee 1, 71139 Ehningen, Germany
Tele: +49 7032 15 2941
email: lugi@de.ibm.com

VCCI Statement - Japan

この装置は、クラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。 VCCI-B

Japanese Electronics and Information Technology Industries Association (JEITA) Confirmed Harmonics Guideline (products less than or equal to 20 A per phase)

高調波ガイドライン適合品

Japanese Electronics and Information Technology Industries Association (JEITA) Confirmed Harmonics Guideline with Modifications (products greater than 20 A per phase)

高調波ガイドライン準用品

IBM Taiwan Contact Information

台灣IBM 產品服務聯絡方式：
台灣國際商業機器股份有限公司
台北市松仁路7號3樓
電話：0800-016-888

Electromagnetic Interference (EMI) Statement - Korea

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Germany Compliance Statement

Deutschsprachiger EU Hinweis: Hinweis für Geräte der Klasse B EU-Richtlinie zur Elektromagnetischen Verträglichkeit

Dieses Produkt entspricht den Schutzanforderungen der EU-Richtlinie 2004/108/EG zur Angleichung der Rechtsvorschriften über die elektromagnetische Verträglichkeit in den EU-Mitgliedsstaaten und hält die Grenzwerte der EN 55022 Klasse B ein.

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Deutschland: Einhaltung des Gesetzes über die elektromagnetische Verträglichkeit von Geräten

Dieses Produkt entspricht dem "Gesetz über die elektromagnetische Verträglichkeit von Geräten (EMVG)". Dies ist die Umsetzung der EU-Richtlinie 2004/108/EG in der Bundesrepublik Deutschland.

Zulassungsbescheinigung laut dem Deutschen Gesetz über die elektromagnetische Verträglichkeit von Geräten (EMVG) (bzw. der EMC EG Richtlinie 2004/108/EG) für Geräte der Klasse B

Dieses Gerät ist berechtigt, in Übereinstimmung mit dem Deutschen EMVG das EG-Konformitätszeichen - CE - zu führen.

Verantwortlich für die Einhaltung der EMV Vorschriften ist der Hersteller:
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IBM-Allee 1, 71139 Ehningen, Germany
Tel: +49 7032 15 2941
email: lugi@de.ibm.com

Generelle Informationen:

Das Gerät erfüllt die Schutzanforderungen nach EN 55024 und EN 55022 Klasse B.

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