FRONT

PICTURE 1

March 21, 1990

This pamphlet contains procedures for isolating problems to a FRU, a Symptom-To-FRU Index, and a parts listing for the IBM(\*) Personal System/2(\*) Model 25 and Model 30.

This pamphlet is intended to be used with the IBM Personal System/2 Hardware Maintenance Reference manual (part number 15F2190) and the IBM Personal System/2 Hardware Maintenance Service manual (part number 15F2200).

Part Number 15F2191

Form Number S15F-2191-00

## IBM PS/2 Model 25/30 Safety Information

## FRONT\_1 Safety Information

Refe	er to the Hardware Maintena	ance Service	General	Information	pamphlet	for
the	following information:					
	General Safety					
	Electrical Safety					
	Safety Inspection Guide.					

#### First Edition (March 1990)

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FRONT\_2 Special Notices

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Personal System/2.

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#### 1.0 General Checkout

The advanced diagnostic tests are intended to test only IBM products. Non-IBM products, prototype cards, or modified options can give false errors and invalid system responses.

#### IMPORTANT:

- If more than one error code is displayed, diagnose the first error code first. The cause of the first error code can cause false error codes to be displayed.
- If an adapter or device consists of more than one FRU, an error code may be caused by any of the FRUs. Before replacing the adapter or device, remove the FRUs, one by one, to see if the symptoms change.

Note: "8525" or "8530" following a part number or instruction applies only to that system. If a system type is not specified, the part number or instruction applies to both systems.

```
001
```

- Check all cables and power cords.
- If you cannot load a diagnostic diskette, go to "Symptom-to-FRU Index."
- Load the Advanced Diagnostics diskette and check for the following responses:
  - 1. Memory test

  - One or two short beeps
     First diagnostic menu.

## ARE ALL THREE RESPONSES CORRECT?

```
Yes No
     - |
    4----
    |002|
    +---+
    Go to "Symptom-to-FRU Index."
!
+---+
|003|
```

## IS THE INSTALLED DEVICES LIST CORRECT?

```
Yes No
    - -
    +---+
   004
    +---+
    Go to "Installed Devices."
-
1005
```

```
- Run the Advanced Diagnostic tests.
ARE THE TESTS SUCCESSFUL?
Yes No
    -
    +---+
    |006|
    +---+
    Go to "Symptom-to-FRU Index."
- |
007
```

You may have an intermittent problem.

- 1. Check for damaged cables and connectors.
- 2. Reseat all adapters, drives, and modules.
- 3. Start an error log and run the tests multiple times.

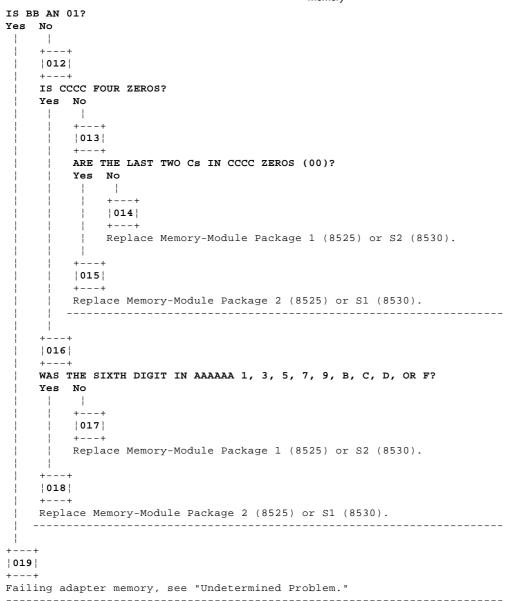
#### 2.0 Memory

PARITY CHECK 1 indicates that memory on the system board has failed. If the system has a total of 512KB memory installed (8525), replace the memory-module packages. If the system has a total of 640KB memory installed and the address (number displayed below PARITY CHECK 1) is less than 20000, replace the optional memory modules (8525), or the system board (8530). Otherwise, replace the memory module (8525) or S1 and S2 (8530).

PARITY CHECK 2 indicates that an adapter memory module has failed. See "Undetermined Problem" to identify the failing adapter.

```
|001|
+---+
Memory errors are displayed as:
AAAAAA BB CCCC 20X
To isolate a memory failure, answer the following questions.
DID YOU RECEIVE A "205 MEMORY ERROR" MESSAGE DURING POST OR WHEN RUNNING
THE MEMORY TESTS?
Yes No
    - -
    |002|
    +---+
    Go to Step 011.
-
+---+
003
+---+
IS THE SYSTEM A TYPE 8530?
Yes No
     - |
   +---+
   |004|
    +---+
    Go to Step 006.
- |
|005|
Replace the system board.
|006|
IS CCCC FOUR ZEROS (0000)?
Yes No
    -
     +---+
    |007|
    For any C in CCCC that is not zero, replace the corresponding module
     C C C C
U35 U34 U22 U16
1800
+---+
WAS THE SIXTH DIGIT IN AAAAAA 1, 3, 5, 7, 9, B, D, or F?
Yes No
     - -
    +---+
    009
    +---+
    Replace memory-module ZM1.
|010|
+---+
Replace memory-module ZM2.
|011|
+---+
```

## IBM PS/2 Model 25/30 Memory



## IBM PS/2 Model 25/30 Printer

## 3.0 Printer

- 1. Make sure the printer is properly connected and powered-on. 2. Run the printer self-test.

If the printer self-test does not run correctly, the problem is in the printer. Refer to the printer service manual.

If the printer self-test runs correctly, install a wrap plug on the parallel port and run the advanced diagnostic tests to determine which of the following FRUs is failing:

- ☐ System board
  ☐ Parallel adapter
  ☐ Printer cable.

## IBM PS/2 Model 25/30 Display Self-Test

- 4.0 Display Self-Test

- Display Self-Test
   Power-off the system.
   Power-off the display (8530).
   Unplug the display signal cable from the system.
   Power-on the display (8530).
   Power-on the system (8525).
   Turn the Brightness and Contrast controls to their maximum setting.
- 7. The display should have a white or light gray screen with a black margin on both sides. If not, replace the display assembly (8525) or display (8530).

## IBM PS/2 Model 25/30 Installed Devices

## 5.0 Installed Devices

If an adapter or device is missing from the Installed Devices list, replace that adapter or device.

If an adapter is shown in the Installed Devices list and is not present in the system, remove the bus adapter. If the error remains, replace the system board.

## IBM PS/2 Model 25/30 **Undetermined Problem**

- 6.0 Undetermined Problem
- 1. Power-off the system. 2. Remove or disconnect the following adapters and devices, one at a  $\,$ time:

  - a. Non-IBM devices
    b. Any external devices (modem, printer, or mouse)
    c. Math coprocessor
    d. Any adapter
    e. Bus adapter (ignore the 161 error)

  - e. Bus adapter (ignore the 161 error)
    f. Diskette drive cable
    g. Fixed disk drive cable.
- Power-on the system.
   Repeat the previous steps until you find the failing adapter or device.

## 7.0 Power Supply / Fan

If the power-on indicator (8525) is not glowing, or if the power-supply fan is not running, check the voltage selector switch setting (8525), if correct, replace the display assembly (8525), or power supply (8530).

If all adapters and devices have been removed and the problem remains, check the power-supply output voltages. If the output voltages are good, replace the system board.

## PICTURE 2

Vdc   Minimum	Vdc   Maximum	-Lead   Pin	+Lead   Pin
<b>+</b> 4.8	+5.2	P7-5	P7-10
+4.5	+5.4	P7-9	P7-5
+11.5	+12.6	P7-5	P7-3
+10.8	<b>+</b> 12.9	P7-4	P7-8

## PICTURE 3

Vdc   Minimum	Vdc   Maximum	-Lead Pin	+Lead Pin
	<b>+</b> 5.2	P3-5	P4-4
+4.6	<b>+</b> 5.5 	P4-3	P3-6
	+12.6		P3-3
<b>+</b> 10.8	+13.2	P3-4	P4-2
   	<del>-</del>		

## 8.0 Symptom-to-FRU Index

The Symptom-to-FRU Index lists error symptoms and the causes that could be responsible. The most likely cause is listed first.

Important: To determine what is actually failing, always begin with
"General Checkout" if you are using the Advanced Diagnostics diskette.

If the system displays an error message and gives an incorrect audio response, the FRUs that have most-likely failed are those listed for the error message. An X in an error message can be any number.

+  Symptom/Error	FRU/Action
No power, or fan   not running	   Check Voltage Selector   Switch Setting
No beep during POST	System Board   Power Supply (8530)   (Check voltage selector   switch setting 8525)   Display Assembly (8525)   Memory Module   Package (8525)   Any Adapter   Bus Adapter
One long and two short beeps during POST	   <b>System Board</b>   Display Adapter (8530)
   More than one   beep during POST	System Board     Any Adapter
Continuous beep	+    System Board 
Blank or unreadable   display 	See "Display Self-test"   System Board   Power Supply (8530)   Display Adapter (8530)   Display Assembly
Other Display Problems	See "Display Self-test"   System Board   Display Adapter (8530)   Display
Insert-Diskette Icon	Diskette Drive   System Board   Diskette Cable   Network Adapter
Bad-Diskette Icon           	Diskette   Diskette Drive   System Board   Diskette Cable
System enters BASIC	Diskette Drive   System Board   Diskette Cable   Network Adapter
Incorrect memory size   during POST	See "Memory"   System Board

## IBM PS/2 Model 25/30 Symptom-to-FRU Index

Parity Check 1	   <b>See "Memory"</b>   System Board
Parity Check 2	   See "Memory"   Adapter Memory Modules   Memory Adapter (8530)   Bus Adapter   System Board
Serial or Parallel port   device failure 	Device Self-Test OK?   Device   Cable   System Board   Alternate Adapter   Bus Adapter
XXXX ROM Error	Any Adapter 
Some (or all) of the   keys on the keyboard   don't work.	   <b>Keyboard</b>   System Board   Keyboard Cable 
Real-Time Clock   keeps wrong time (8530)	   <b>Bus Adapter</b>   System Board 
<b>161</b> (8530) 	   <b>Set Time and Date</b>   Bus Adapter   System Board
199	See "Installed Devices"
+	+
±44	System Board
1XX 	System Board 
+	+      See "Memory"
2xx   2xx 	See "Memory"     System Board
2xx 	See "Memory"     System Board     Is the Keylock Locked?     Keylock Assembly     System Board     Keyboard     System Board
2XX     302     3xx	See "Memory"     System Board     Is the Keylock Locked?     Keylock Assembly     System Board     Keyboard     System Board     Keyboard Cable
2xx     302     3xx     5xx	See "Memory"     System Board     Is the Keylock Locked?     Keylock Assembly     System Board     Keyboard     System Board     Keyboard Cable     System Board     Display Adapter (8530)

## IBM PS/2 Model 25/30 Symptom-to-FRU Index

	Symptom-to-FRU Index
	System Board
+	See     Drinter
9AA 	See "Printer" +
1002	
	Jumpers
	Alt. Parallel Adapter
<u>+</u>	<del></del>
10xx	   Alt. Parallel Adapter
	Bus Adapter
 +	 +
11xx	System Board
1202	
	Alt. Serial Adapter Jumpers
	Alt. Serial Adapter
	Bus Adapter
+	+
12xx 	   Alt. Serial Adapter
	Bus Adapter
 	ı +
13xx	   Game Control Adapter
	Bus Adapter
 +	
15XX	
	SDLC Adapter   Bus Adapter
17xx	+  
	Fixed Disk Drive
	System Board   Fixed Disk Cable
	Display Assembly (8525)   Power Supply (8530)
	Fower Supply (8330)
+	+  
	BSC Adapter
	Bus Adapter
+	+
	Alt. BSC Adapter
	Bus Adapter
+	+
28xx 	   3278/79 Adapter
	Coaxial Cable   Bus Adapter
	Das Adapter
+	+  
	Network Attached?
	LF Translator   Cable Problem
	PC Network Adapter
i 	Bus Adapter 
+	+
3044	PC Network Adapter
	LF Translator   Cable Problem
	Bus Adapter
 +	 
3115, 3140	
	Network Attached?   LF Translator
	Alt. PC Network Adapter
i	Cable Problem

#### IBM PS/2 Model 25/30 Symptom-to-FRU Index

	Symptom-to-FRU Index
	Bus Adapter
31xx 	Alt. PC Network Adapter  LF Translator  Cable Problem
	Bus Adapter
36XX 	<b>GPIB Adapter</b> Bus Adapter
38xx 	<b>DAC Adapter</b> Bus Adapter
<b>74XX</b> (8530)	Display Adapter Bus Adapter
84XX	Speech Adapter Speech Control Assembly Bus Adapter
<b>85xx</b> (8530) 	2MB Exp. Memory Adapter Bus Adapter
86xx	<b>Mouse</b> System Board
89XX 	Music Card MIDI Adapter Unit Bus Adapter
If Problem remains, see "Undetermined Symptom-to-FRU Supplement:	

## IBM PS/2 Model 25/30 How To Use This Parts Catalog

9.0 How To Use This Parts Catalog

**SIMILAR ASSEMBLIES:** If two assemblies contain a majority of identical parts, they are broken down on the same list. Parts peculiar to one or the other of the assemblies are listed separately and identified by description.

 ${\tt AR\colon}$  (As Required) indicates that the quantity is not the same for all machines.

R: (Restricted) indicates that the part has a restricted availability.

INDENTURE the indenture is marked by a series of dots located before the parts description. The indenture indicates the relationship of a part to the next higher assembly. For example:

## Indenture Relationship of Parts

(No dot)	Main Assembly
(One dot)	☐ Detail parts of a main assembly
(One dot)	☐ Subassembly of the main assembly
(Two dot)	$\ \square \ \square$ Detail part of a one-dot subassembly
(Two dot)	$\ \square \ \square$ Subassembly of a one-dot subassembly

#### Subtopics

9.1 Example of a Parts List

# IBM PS/2 Model 25/30 Example of a Parts List

# 9.1 Example of a Parts List

System	TInii	۲

system Unit	
Cover	72X8501
Front Bezel/Logo (R)	72X8502
Miscellaneous Hardware Kit (AR)	72X8580
☐ Knob Assembly, Fixed Disk	
Drive Support Structure	
$\square\square$ Knob	
□□ Washer	

10.0 Parts

System Unit Exterior - 8525	
Cover - Top, Rear and Sides	00F2110
Cover - Front Bezel Cover - Blank Bezel	00F2111 00F2117
Cover - Diskette Drive Bezel	00F2117 00F2112
Diskette Cover (Tool Lockable)	00F2108
Front Bezel/Logo (R)	61X8908
(Exchange Basis Only)	00-0440
Logo Package Rear Cover	00F2119 61X8916
Shipping Material (System)	00F2115
☐ Shipping Carton	
☐ Shipping Cushion, Top	
☐ Shipping Cushion, Bottom Tilt Assembly	00F2105
TITE ASSEMBLY	00F2105
System Unit Interior - 8525	00-0101
Bus Adapter Bus Adapter Support	00F2101 00F2118
Base Frame Assembly	00F2110
Diskette Drive Cable	00F2109
Foot Assembly	00F2114
Color Display Assembly, (110/220V)	00F2053
U.S. and Canada Color Display Assembly,	00F2056
(Northern Hemisphere)	0012000
Color Display Assembly,	00F2057
(Southern Hemisphere)	00-00-0
Monochrome Display Assembly, (110/220V) U.S. and Canada	00F2052
Monochrome Display Assembly,	00F2054
(Northern Hemisphere)	
Monochrome Display Assembly, (Southern Hemisphere)	00F2055
Memory Package 1 and 2	61X8906
- 256Kb (Qty 1)	00-0400
Memory Module ZM1 and ZM2 (64KB)	00F2120
Memory Module	00F2121
U16,U22,U34,U35 (64KB)	
System Board	00F2100
	00F2100 00F2105 61X8922
System Board Tilt Assembly	00F2105
System Board Tilt Assembly 8087 Coprocessor	00F2105
System Board Tilt Assembly	00F2105
System Board Tilt Assembly 8087 Coprocessor  System Unit Interior - 8525 (continued)	00F2105 61X8922
System Board Tilt Assembly 8087 Coprocessor  System Unit Interior - 8525 (continued) Miscellaneous Parts Kit  Screw (Qty 13) Knob - CRT Adjust (2)	00F2105 61X8922
System Board Tilt Assembly 8087 Coprocessor  System Unit Interior - 8525 (continued) Miscellaneous Parts Kit  Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4)	00F2105 61X8922
System Board Tilt Assembly 8087 Coprocessor  System Unit Interior - 8525 (continued) Miscellaneous Parts Kit Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly	00F2105 61X8922
System Board Tilt Assembly 8087 Coprocessor  System Unit Interior - 8525 (continued) Miscellaneous Parts Kit Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot	00F2105 61X8922
System Board Tilt Assembly 8087 Coprocessor  System Unit Interior - 8525 (continued) Miscellaneous Parts Kit Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card	00F2105 61X8922
System Board Tilt Assembly 8087 Coprocessor  System Unit Interior - 8525 (continued) Miscellaneous Parts Kit Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2)	00F2105 61X8922
System Board Tilt Assembly 8087 Coprocessor  System Unit Interior - 8525 (continued) Miscellaneous Parts Kit Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2) Clip - Foot Assembly (2)	00F2105 61X8922
System Board Tilt Assembly 8087 Coprocessor  System Unit Interior - 8525 (continued) Miscellaneous Parts Kit Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2) Clip - Foot Assembly (2) Standoff/Washer (2)	00F2105 61X8922 00F2113
System Board Tilt Assembly 8087 Coprocessor  System Unit Interior - 8525 (continued) Miscellaneous Parts Kit Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2) Clip - Foot Assembly (2)	00F2105 61X8922 00F2113
System Board Tilt Assembly 8087 Coprocessor  System Unit Interior - 8525 (continued) Miscellaneous Parts Kit Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2) Clip - Foot Assembly (2) Standoff/Washer (2)	00F2105 61X8922 00F2113
System Board Tilt Assembly 8087 Coprocessor  System Unit Interior - 8525 (continued) Miscellaneous Parts Kit Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2) Clip - Foot Assembly (2) Standoff/Washer (2)	00F2105 61X8922 00F2113
System Board Tilt Assembly 8087 Coprocessor  System Unit Interior - 8525 (continued) Miscellaneous Parts Kit Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2) Clip - Foot Assembly (2) Standoff/Washer (2) Retainer (Base Frame Assembly to Cover)  System Unit - 8530 Base Frame Assembly	00F2105 61X8922 00F2113
System Board Tilt Assembly 8087 Coprocessor  System Unit Interior - 8525 (continued) Miscellaneous Parts Kit Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2) Clip - Foot Assembly (2) Standoff/Washer (2) Retainer (Base Frame Assembly to Cover)  System Unit - 8530 Base Frame Assembly (Exchange Basis Only)	00F2105 61X8922 00F2113 00F2134
System Board Tilt Assembly 8087 Coprocessor  System Unit Interior - 8525 (continued) Miscellaneous Parts Kit Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2) Clip - Foot Assembly (2) Standoff/Washer (2) Retainer (Base Frame Assembly to Cover)  System Unit - 8530 Base Frame Assembly (Exchange Basis Only) Rubber Feet (Qty 4)	00F2105 61X8922 00F2113 00F2134 61X8897 61X8917
System Board Tilt Assembly 8087 Coprocessor  System Unit Interior - 8525 (continued) Miscellaneous Parts Kit Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2) Clip - Foot Assembly (2) Standoff/Washer (2) Retainer (Base Frame Assembly to Cover)  System Unit - 8530 Base Frame Assembly (Exchange Basis Only) Rubber Feet (Qty 4) Blank Drive Bezel	00F2105 61X8922 00F2113 00F2134 61X8897 61X8917 72X7534
System Board Tilt Assembly 8087 Coprocessor  System Unit Interior - 8525 (continued) Miscellaneous Parts Kit Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2) Clip - Foot Assembly (2) Standoff/Washer (2) Retainer (Base Frame Assembly to Cover)  System Unit - 8530 Base Frame Assembly (Exchange Basis Only) Rubber Feet (Qty 4)	00F2105 61X8922 00F2113 00F2134 61X8897 61X8917
System Board Tilt Assembly 8087 Coprocessor  System Unit Interior - 8525 (continued) Miscellaneous Parts Kit Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2) Clip - Foot Assembly (2) Standoff/Washer (2) Retainer (Base Frame Assembly to Cover)  System Unit - 8530 Base Frame Assembly (Exchange Basis Only) Rubber Feet (Qty 4) Blank Drive Bezel Bus Adapter Bus Adapter Support Drive Cradle	00F2105 61X8922 00F2113 00F2134 61X8897 61X8917 72X7534 61X8910 61X8911 61X8909
System Board Tilt Assembly 8087 Coprocessor   System Unit Interior - 8525 (continued)  Miscellaneous Parts Kit  Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2) Clip - Foot Assembly (2) Standoff/Washer (2) Retainer (Base Frame Assembly to Cover)   System Unit - 8530 Base Frame Assembly Exchange Basis Only) Rubber Feet (Qty 4) Blank Drive Bezel Bus Adapter Bus Adapter Support Drive Cradle Front Bezel/Logo	00F2105 61X8922 00F2113 00F2134 61X8897 61X8917 72X7534 61X8910 61X8911
System Board Tilt Assembly 8087 Coprocessor   System Unit Interior - 8525 (continued)  Miscellaneous Parts Kit  Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2) Clip - Foot Assembly (2) Standoff/Washer (2) Retainer (Base Frame Assembly to Cover)   System Unit - 8530 Base Frame Assembly Exchange Basis Only) Rubber Feet (Qty 4) Blank Drive Bezel Bus Adapter Bus Adapter Bus Adapter Support Drive Cradle Front Bezel/Logo (Exchange Basis Only)	00F2105 61X8922 00F2113 00F2134 61X8897 61X8917 72X7534 61X8910 61X8911 61X8909
System Board Tilt Assembly 8087 Coprocessor   System Unit Interior - 8525 (continued)  Miscellaneous Parts Kit  Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2) Clip - Foot Assembly (2) Standoff/Washer (2) Retainer (Base Frame Assembly to Cover)   System Unit - 8530 Base Frame Assembly Exchange Basis Only) Rubber Feet (Qty 4) Blank Drive Bezel Bus Adapter Bus Adapter Support Drive Cradle Front Bezel/Logo	00F2105 61X8922 00F2113 00F2134 61X8897 61X8917 72X7534 61X8910 61X8911 61X8909 61X8908
System Board Tilt Assembly 8087 Coprocessor   System Unit Interior - 8525 (continued)  Miscellaneous Parts Kit  Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2) Clip - Foot Assembly (2) Standoff/Washer (2) Retainer (Base Frame Assembly to Cover)   System Unit - 8530  Base Frame Assembly (Exchange Basis Only) Rubber Feet (Qty 4)  Blank Drive Bezel Bus Adapter Bus Adapter Bus Adapter Support Drive Cradle Front Bezel/Logo (Exchange Basis Only) Keylock Assembly Memory Module Package (256KB)(Qty 1) Miscellaneous Parts Kit	00F2105 61X8922 00F2113 00F2134 61X8897 61X8917 72X7534 61X8910 61X8909 61X8908
System Board Tilt Assembly 8087 Coprocessor   System Unit Interior - 8525 (continued)  Miscellaneous Parts Kit  Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2) Clip - Foot Assembly (2) Standoff/Washer (2)  Retainer (Base Frame Assembly to Cover)   System Unit - 8530  Base Frame Assembly (Exchange Basis Only) Rubber Feet (Qty 4) Blank Drive Bezel Bus Adapter Bus Adapter Bus Adapter Bus Adapter Support Drive Cradle Front Bezel/Logo (Exchange Basis Only) Keylock Assembly Memory Module Package (256KB)(Qty 1) Miscellaneous Parts Kit Captive Screw (Qty 4)	00F2105 61X8922 00F2113 00F2134 61X8997 61X8917 72X7534 61X8910 61X8911 61X8908 61X8908
System Board Tilt Assembly 8087 Coprocessor   System Unit Interior - 8525 (continued)  Miscellaneous Parts Kit  Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2) Clip - Foot Assembly (2) Standoff/Washer (2)  Retainer (Base Frame Assembly to Cover)   System Unit - 8530  Base Frame Assembly (Exchange Basis Only) Rubber Feet (Qty 4) Blank Drive Bezel Bus Adapter Bus Adapter Bus Adapter Bus Adapter Support Drive Cradle Front Bezel/Logo (Exchange Basis Only) Keylock Assembly Memory Module Package (256KB)(Qty 1) Miscellaneous Parts Kit Captive Screw (Qty 4) Screw (Qty 5)	00F2105 61X8922 00F2113 00F2134 61X8997 61X8917 72X7534 61X8910 61X8911 61X8908 61X8908
System Board Tilt Assembly 8087 Coprocessor   System Unit Interior - 8525 (continued)  Miscellaneous Parts Kit  Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2) Clip - Foot Assembly (2) Standoff/Washer (2)  Retainer (Base Frame Assembly to Cover)   System Unit - 8530  Base Frame Assembly (Exchange Basis Only) Rubber Feet (Qty 4) Blank Drive Bezel Bus Adapter Bus Adapter Bus Adapter Bus Adapter Support Drive Cradle Front Bezel/Logo (Exchange Basis Only) Keylock Assembly Memory Module Package (256KB)(Qty 1) Miscellaneous Parts Kit Captive Screw (Qty 4)	00F2105 61X8922 00F2113 00F2134 61X8997 61X8917 72X7534 61X8910 61X8911 61X8908 61X8908
System Board Tilt Assembly 8087 Coprocessor   System Unit Interior - 8525 (continued) Miscellaneous Parts Kit  Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2) Clip - Foot Assembly (2) Standoff/Washer (2) Retainer (Base Frame Assembly to Cover)   System Unit - 8530 Base Frame Assembly (Exchange Basis Only) Rubber Feet (Qty 4) Blank Drive Bezel Bus Adapter Bus Adapter Bus Adapter Support Drive Cradle Front Bezel/Logo (Exchange Basis Only) Keylock Assembly Memory Module Package (256KB)(Qty 1) Miscellaneous Parts Kit Captive Screw (Qty 4) Screw (Qty 5) Spring (Qty 4) Lock, Slide Assembly Power Switch	00F2105 61X8922 00F2113 00F21134 61X8897 61X8917 72X7534 61X8910 61X8911 61X8906 61X8915
System Board Tilt Assembly 8087 Coprocessor   System Unit Interior - 8525 (continued) Miscellaneous Parts Kit  Screw (Qty 13) Knob - CRT Adjust (2) Shock Mount, Fan (4) C Clip, Tilt Assembly Cover - Top Cover Screw (2) Cover - Expansion Slot Retainer - Feature Card Spring - Rear Tilt Leg (2) Clip - Foot Assembly (2) Standoff/Washer (2) Retainer (Base Frame Assembly to Cover)   System Unit - 8530 Base Frame Assembly (Exchange Basis Only) Rubber Feet (Qty 4) Blank Drive Bezel Bus Adapter Bus Adapter Bus Adapter Support Drive Cradle Front Bezel/Logo (Exchange Basis Only) Keylock Assembly Memory Module Package (256KB)(Qty 1) Miscellaneous Parts Kit Captive Screw (Qty 4) Screw (Qty 5) Spring (Qty 4) Lock, Slide Assembly	00F2105 61X8922 00F2113 00F21134 61X8897 61X8917 72X7534 61X8910 61X8911 61X8909 61X8906 61X8915

#### IBM PS/2 Model 25/30 Parts 61X8916 Rear Cover Sliding Support Bracket 61X8926 Support Bracket 61X8914 System Board (1) (Use if S/N not in note) 61X8907 System Board (1) (Use if S/N in note) 33F8474 System Board Clip 61X8933 Top Cover 61X8913 (Exchange Basis Only) 8087 Math Coprocessor 61X8922 Diskette Drive - 8525 Diskette Drive, 720KB (1/2 High) (3) 6820821 Diskette Drive Shipping Insert Diskette Drive Shipping Insert 60X5600 (Note: Order both Snipping inserts, Diskette Drive Shield (1/2 High) (3) 33F4904 33F4904 00F2112 Diskette Drive Bezel (1/2 High) (3) Diskette Drive, 720KB (1/3 High) (4) Diskette Drive Bezel (1/3 High) (4) Diskette Drive Spacer (1/3 High) (4) Diskette Drive Cable (1/3 High) (4) 27F4119 33F4947 33F4948 33F4949 Diskette Drive - 8530 Diskette Drive, 720KB (1/2 High) 61X8899 Diskette Drive Cable (1/2 High) Diskette Drive Bezel (1/2 High) 61X8900 61 X 8 9 0 1 Diskette Drive, 720KB (1/3 High) (5) Diskette Drive Bezel (1/3 High) (5) Diskette Drive Cable (1/3 High) (5) 27F4119 27F4230 34F0002 Fixed Disk Drive - 8525 and 8530 Fixed Disk Drive, 20MB (8525-8530) Fixed Disk Drive, 20MB (8530) (2) Fixed Disk Drive, 30MB (8530-001) 61X8929 6128285 6128279 Fixed Disk Drive Bezel (8530) 61X8904 Fixed Disk Drive Cable (8530-021) Fixed Disk Drive Cable (8530-001) 61X8903 27F4178 Fixed Disk Drive Cable (8525) 78X9089 Fixed Disk Bezel and Keylock (8525) 78X9088 Fixed Disk Bezel and Keylock (8525) Fixed Disk Drive (8525) (with adapter) Fixed Disk Drive (250) 27F4130 Fixed Disk Drive Cables 33F8471 (8525 - for 27F4130) External Diskette Drive 72X6759 360KB External (4869-001) 360KB External (4869-501) 72X6768 ☐ Diskette Drive 72X6771 ☐ Power Supply 72X6769 External Diskette Drive Adapter External Diskette Drive Cable 27F4211 (from system board to adapter) 5.25-Inch External Diskette Drive Adapter 33F8472 Cable (For systems with 1/3 High Diskette Drives, from B Connector to Adapter) Options and Adapters BSC Adapter 8286098 Bus Adapter (8525) 00F2101 Bus Adapter (8530) 61X8910 Bus Adapter (8530-001) 27F4964 Communications Adapter Cable 8529274 Data Acquisition Adapter (DAC) 6181768 Display Adapter PS/2 (8530) Enhanced 5250 Emulation Adapter 30F5384 External Diskette Drive Adapter 72X6757 8529151 Game Control Adapter GPIB Adapter 6181770 MIDI Adapter Unit 81X8624 PC Music Adapter 81X8620 PC Network Adapter 8286171 PC Network Adapter Cable 8286172 PC Network Adapter II 72X8105 PC Network Baseband Adapter 72X8101 PhoneCommunicator Adapter 33F4846 PhoneCommunicator Cable (Black-L) 57F1261

PhoneCommunicator Cable (Black-S)

57F1262

#### IBM PS/2 Model 25/30 Parts 57F1263 PhoneCommunicator Cable (Beige-L) PhoneCommunicator Cable (Beige-S) 57F1264 Printer Cable 8529214 PS/2 Multifunction Adapter 30F5447 ☐ Memory Pack - 256KB ☐ Memory Pack - 1MB 1497256 74X8637 2MB Expanded Memory Adapter 1497250 Screen Reader Adapter 33F4842 Screen Reader Keypad 1393515 Screen Reader Keypad Cable 72X8537 SpeechViewer Adapter 15F8511 Test Plug (for 15F8511) SDLC Adapter 8286099 Serial/Parallel Adapter 8286147 Serial Adapter Cable 8286170 Serial Adapter Connector 8286194 Speech Adapter 61X8921 Token Ring Adapter 16F0463 Token Ring 16/4 Adapter 25F8884 Token Ring RPL (Module) 83X7839 2MB Expanded Memory Adapter 1497250 3278/3279 Emulation Adapter 8665792 8087 Math Coprocessor 61X8922 Keyboards (101/102 Key) / Mouse 1392014 Belgian 1392012 Canadian French 1392011 Danish 1392005 French 1392000 German 1392001 Hebrew 1392002 Italian Netherlands 1392013 Norwegian 1392007 1392008 Portuguese Spanish 1392003 Spanish/Latin 1392015 1392009 Swedish Swiss/French/German 1392010 U.K. English 1392004 U.S. English 1392090 101/102-Key Keyboard Cable 61X8898 61X8923 Mouse Mouse Ball and Pop-Off Retainer 33F8461 Mouse Ball and Twist-Off Retainer 33F8462 Space Saving Keyboard (84/85 Key) Canadian French 1391992 Spanish/Latin 1391993 U.S. English 1391987 Cable Assembly, External 1393082 Monochrome Display Assembly (8525) 115/230 V, U.S./Canada 00F2052 Display Assembly (Northern Hemisphere) 00F2054 Display Assembly (Southern Hemisphere) 00F2055 Color Display Assembly (8525) 115/230 V, U.S./Canada 00F2053 Display Assembly (Northern Hemisphere) 00F2056 Display Assembly (Southern Hemisphere) 00F2057 8503 Monochrome Display 110/120 Volt 68X3045 220/240 Volt (Northern Hemisphere) 68X3046 220/240 Volt (Southern Hemisphere) 72X7878 Tilt/Swivel Stand 68X3061 8506 Monochrome Display 110/125 Vac (US/Canada) 110/125 or 200/240 Vac (Northern Hemisphere) 39F8088

110/125 or 220/240 Vac (Southern Hemisphere)

8507 Monochrome Display

110/120 or 220/240 Vac (Universal Model) 6247808 10.0-3

39F8089

# IBM PS/2 Model 25/30

Parts

61X8925

8508 Monochrome Display			
110/125 Vac (US/Canada)		6247838	
110/125 or 200/240 Vac	(Northern Hemisphere)		39F8067
110/125 or 220/240 Vac	(Southern Hemisphere)		39F8068
8512 Color Display			
110/120 Volt		61X8924	
220/240 Volt (Northern I	Hemisphere)	61X8928	
220/240 Volt (Southern D	Hemisphere)	61X8927	

# 8513 Color Display

Tilt/Swivel Stand

110/120 Volt	68X3088
220/240 Volt (Northern Hemisphere)	72X7870
220/240 Volt (Southern Hemisphere)	72X7877
Tilt/Swivel Stand	68X3061

# 8514 Color Display

110/120 Volt	75X5945
220/240 Volt (Northern Hemisphe	re) 75X5946
220/240 Volt (Southern Hemisphe	re) 75X5947
Tilt/Swivel Stand	75X5907

## Power Cords

Warning: Use the power cord certified	for your country.
Power Cord, System Unit, for:	62X1045
Colombia, U.S., Venezuela	
Power Cord, System Unit, for:	8529341
Hong Kong, Singapore, U.K.	
Power Cord, System Unit, for:	8529281
France, Germany, Spain	
Power Cord, System Unit, for:	8529282
Italy	
Power Cord, System Unit, for:	8529284
Australia, New Zealand	

# Tools and Miscellaneous

Data Acquisition Distribution Panel	61X1769
Data Migration Connector Adapter	61X8936
Mouse	61X8923
Mouse Ball and Pop-Off Retainer	33F8461
Mouse Ball and Twist-Off Retainer	33F8462
Speech Control Assembly	61X8934
Tri-Connector Wrap Plug	72X8546
Shipping Material (System)	72X7541

## Supplemental Parts:

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## IBM PS/2 Model 25/30 Parts

## Printed in the United States of America

- (1) All 8530-001 systems, 8530-002 systems with S/N 55A0001 to 55Z9999 and S/N 7000000 to 7499999, 8530-021 with S/N 2500000 to 2999999 and S/N 55AA001 to 55ZZ999.
- (2) All 8530-001 systems, and 8530-021 systems with S/N 2500000 to 2999999 and S/N 55AA001 to 55ZZ999.
- (3) All 8525 systems below S/N ZZ999.
- (4) All 8525 systems above S/N 0100000.
- (5) All 8530-001 systems, 8530-002 systems with S/N 55A0001 to 55Z9999 and S/N 7000000 to 7499999, 8530-021 with S/N 2500000 to 2999999 and S/N 55AA001 to 55ZZ999.