

FRONT

PICTURE 1

**IBM Personal System/2 CD-ROM-II Drive**

March 24, 1992

This package contains an update to the IBM Personal System/2 *Hardware Maintenance Reference* manual (part number 15F2190, form number SBOF-3989-00) and *Hardware Maintenance Service* manual (part number 15F2200, form number SBOF-3988-00).

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Part Number 10G6461  
Form Number S10G-6461-00



## 2.0 Description

The IBM\* PS/2 (\*) CD-ROM-II Drive is an enhanced model of the CD-ROM drive. The CD-ROM-II drive supports multimedia applications.

This supplement contains only the information that varies from the CD-ROM drive supplement (S15F-2135-00).

(\*) IBM and PS/2 are trademarks of the International Business Machines Corporation.

### Subtopics

2.1 Setting the SCSI ID

2.2 Installing the Drive Terminators

2.1 Setting the SCSI ID

The pin block, at the rear of the drive, contains the jumpers used to set the SCSI ID. A new drive must match the ID of the drive being replaced.

1. Use the left three sets of pins 1 to set the SCSI ID. Remove a jumper by pulling it straight up. Reinstall the jumper by aligning the two holes in the bottom of the jumper with the appropriate two pins on the pin block. Then push the jumper onto the pins until the jumper is completely seated and covers both pins.

PICTURE 2

2. Refer to the figure below and set the SCSI ID (represented by black rectangles) to correspond with the ID of the drive being replaced. Remove the SCSI ID jumpers when the drive is to be installed in a Model 3510.

SCSI ID	Setting Position	SCSI ID	Setting Position
6	:	2	:   :
5	:	1	: :
4	: :	0	: : :
3	:		

3. Write the ID assigned to this drive on the label marked "SCSI ID." The label is located on the top of the drive.

## 2.2 *Installing the Drive Terminators*

The last internal SCSI device connected to the SCSI interface must have the terminators installed.

Use the following procedure to install the terminators (if required).

1. Facing the rear of the drive, position the terminator so the mark is to the left. Carefully align the pins on one of the terminators with the openings on one of the connectors. Press straight down on the terminator until it is fully inserted.

PICTURE 3

2. Repeat the instructions to install the second terminator.

*3.0 Diagnostic Information*

The diagnostic programs contained on the Option Diskette update the programs on the Reference Diskette to test the CD-ROM-II drive. As the drive is being tested, you will be prompted to insert the Test Disc (supplied with the original drive). The drive cannot be tested without the Test Disc installed. If an error is detected, the diagnostic program will indicate the failing FRU.

- 4.0 Locations
- Subtopics
- 4.1 Front View
- 4.2 Rear View

4.1 Front View

- 1 CD caddy slot
- 2 Headphone jack
- 3 Volume control
- 4 Activity indicator
- 5 Eject button

PICTURE 4

4.2 Rear View

- 1 Audio stereo output connector
- 2 SCSI ID pin block
- 3 SCSI cable connector
- 4 Power connector

PICTURE 5

5.0 *Hardware Maintenance Service*

Subtopics

5.1 Nominal Operating Current

5.2 Symptom-to-FRU Index

5.1 Nominal Operating Current

Media Storage Device	Current	
	+5V	+12V
CD-ROM Drive	1.0A	1.8A
CD-ROM-II Drive	1.0A	1.0A

5.2 Symptom-to-FRU Index

Error symptoms and the FRUs that might be responsible for the failure are listed below. The most-likely failing FRU is listed first.

Symptom	FRU/Action
0215XXXC	CD-ROM or CD-ROM-II Drive
0215XXXD	CD-ROM-II Drive
0215XXXU	CD-ROM Drive Undetermined SCSI Adapter SCSI Cable

For CD-ROM drive parts listing refer to the system HMS pamphlet. If the failing device is an external device, go to the external SCSI devices HMS pamphlet.

## Parts

## 5.3 Parts

CD-ROM-II Drive		92F0084
Rail Kit (8557)		85F0009
Rail Kit (8560/8565/8580/3510)		34F0041
Signal Cable		34F0043
Power Cable		72X8521
Remote ID Switch Cable (3510)		92F0086
Audio Card, Cable, Screws (3510)		92F0085
Terminators/Jumpers Kit (for 92F0084)		92F0082
Grounding Springs (8595)		92F0087
Grounding Bracket (8560/8565/8580)		85F0010
Mounting Slide (8590)		92F0162
Drive Bezel Assembly for		
<input type="checkbox"/> 8557	85F0008	
<input type="checkbox"/> 8560/8565/8580	34F0044	
<input type="checkbox"/> 8590	92F0081	
<input type="checkbox"/> 8595	64F0138	
CD Caddy		22F9419
Headphones		53F3610
Media Kit		31F4232
<input type="checkbox"/> Test Disc		
<input type="checkbox"/> CD Caddy		