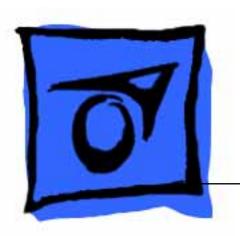
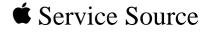
★ Service Source

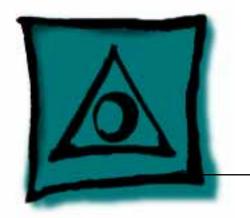


AppleCD SC/SC Plus

AppleCD SC AppleCD SC Plus







Specifications

AppleCD SC/SC Plus



compact disc is compatible)

12 cm optical disc installed in a CD caddy (any CD-ROM or audio

- 75 blocks/sec.
- **Playback Medium**

2 sec. (typical)

Spin-Down Time

Capacity

Data Capacity Mode 1: 656 MB Mode 2: 748 MB

Recording Surfaces

Data/Block (Available

to User)

Blocks per Disc

Mode 1: 2,048 bytes

Mode 2: 2,336 bytes

More than 270,000



Audio Playback - 4

Audio Playback

Playing Time More than 1 hr.

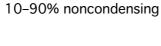
Frequency Response 20–20,000 Hz

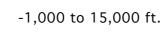




Operating Altitude

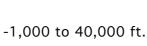
Storage/















Line Voltage

Frequency

Maximum Power

Electrical - 6

AppleCD SC: 85-270 VAC AppleCD SC Plus: 100-240 VAC

40 W

Apple CD SC: 47-64 Hz Apple CD SC Plus: 50-60 Hz

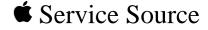
Width: 9.69 in. (24.6 cm)

Dimensions Height: 3.31 in. (8.4 cm)

Depth: 10.47 in. (26.6 cm)

Weight 8.8 lb. (4 kg)







Troubleshooting

AppleCD SC/SC Plus SC



General

The Symptom Charts included in this chapter will help you diagnose specific symptoms related to your product. Because cures are listed on the charts in the order of most likely solution, try the first cure first. Verify whether or not the product continues to exhibit the symptom. If the symptom persists, try the next cure. (Note: If you have replaced a module, reinstall the original module before you proceed to the next cure.)

If you are not sure what the problem is, or if the Symptom Charts do not resolve the problem, refer to the Flowchart for the product family.

For additional assistance, contact Apple Technical Support.



not on

caddy

AppleCD SC does not

when you insert the

Headphone jack does

not operate correctly

Symptom Charts

	<i>J</i> 1	
Green power light is	1 Exchange LED b	oard.

- Exchange LED board.
- 2 Exchange power supply.
- 3 Exchange drive mechanism.

Exchange disk (if disk dirty or damaged).

- 2 Exchange drive mechanism. accept a compact disk
- Red LED does not light Exchange drive mechanism.
 - 2 Exchange LED board.
 - 3 Exchange power supply.
 - Exchange headphone board.
 - 2 Exchange drive mechanism.
 - 3 Exchange power supply.



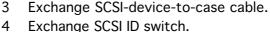
Exchange drive mechanism.

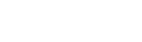
Macintosh cannot

mount AppleCD SC

1 2

2 Exchange power supply.3 Exchange SCSI-device-to



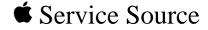




Eject button does not operate

- Run Eject Button Test:
 - Switch off the CD-ROM.
 - Switch on the CD-ROM.
 - Place any CD in the caddy.
 - Insert the caddy into the CD-ROM.
 - Press the eject button.
- 2 Exchange headphone board.







Take Apart

AppleCD SC/SC Plus



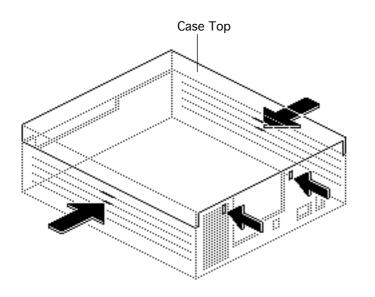
Guidelines

The CD-ROM drive is a mechanical device with moving parts. Rough handling can cause mechanical failures. Follow these guidelines when you handle or repair the CD-ROM drive:



- Keep the drive in the shipping container until you are ready to install it.
- Place the drive on a soft, grounded surface before starting repairs.
- Never transport the drive with a CD-ROM disc or caddy inside.
- Use the original shipping containers when you transport the drive.



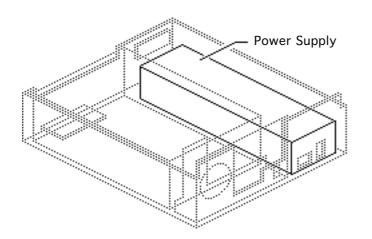


Case Top

No preliminary steps are required before you begin this procedure.

- 1 Using a small flat-blade screwdriver, push in the rear tabs and lift the rear of the case top an inch.
- 2 Using the same screwdriver, push in the side tabs and remove the case top.



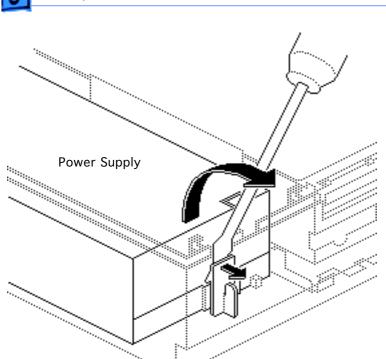


Power Supply

Before you begin, remove the case top.

Caution: Review the ESD precautions in Bulletins/Safety.

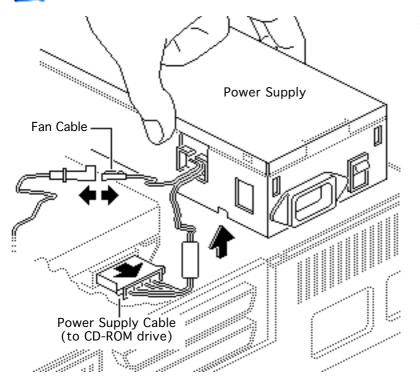




- Pull the front tab forward and lift the front of the power supply.
- 2 Slide the power supply forward to disengage it from mounting tabs at the rear of the case.



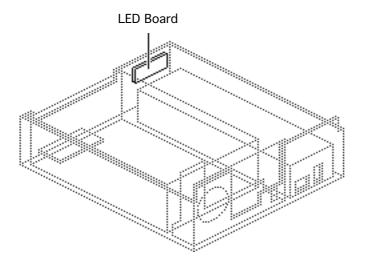




- Lift out the power supply and disconnect the following cables:
 - Fan cable (if necessary)
 - Power supply cable from the CD-ROM drive

Replacement Note: After servicing the unit, do not reconnect the fan cable to the power supply. Using the fan contaminates the lens with dust. See "Disable Fan" in Additional Procedures.



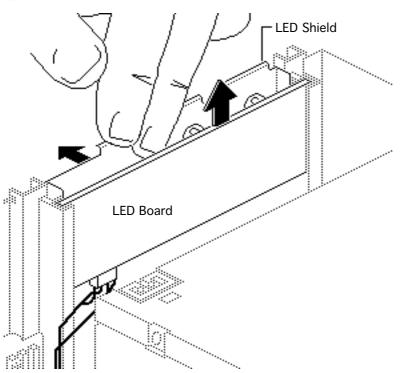


LED Board

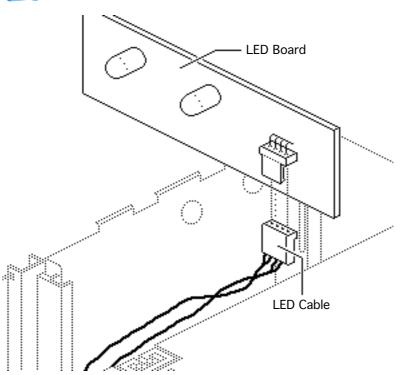
Before you begin, remove the case top.

Caution: Review the ESD precautions in Bulletins/Safety.



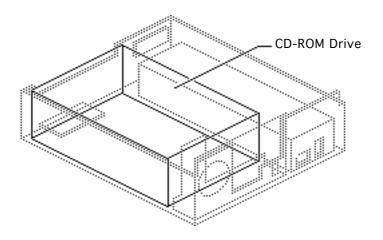


1 Pull the metal LED shield away from the LED board and remove the board.



2 Disconnect the LED cable from the LED board.





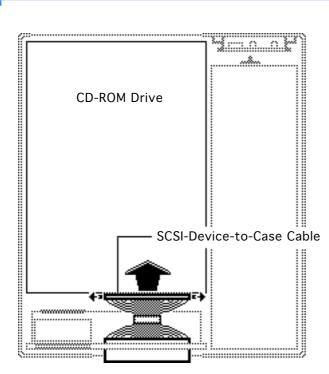
CD-ROM Drive

Before you begin, remove the following:

- Case top
- LED board

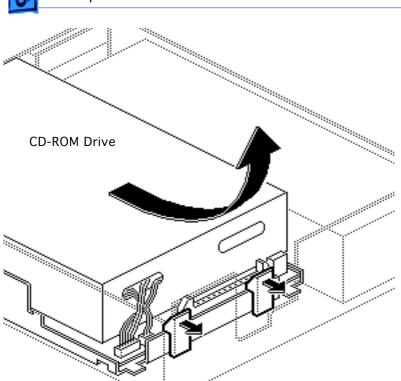
Caution: Review the ESD precautions in Bulletins/Safety.





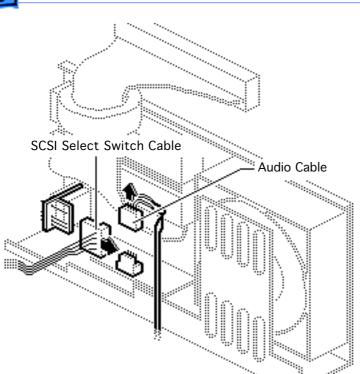
1 Disconnect the SCSIdevice-to-case cable from the CD-ROM drive.





2 Using a small flat-blade screwdriver, pull back the mounting tabs and lift out the drive. Set the drive on the edge of the case.

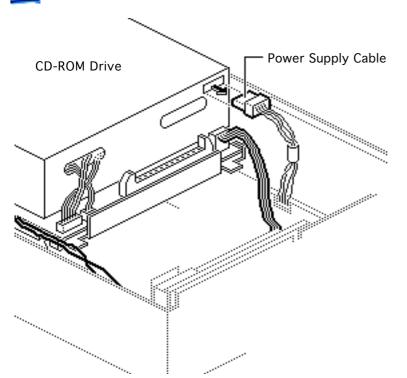




Disconnect the audio cable and the SCSI select switch cable from the connector mounting plate.

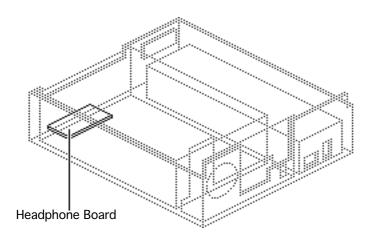
Note: Return the SCSI select switch cable to Apple with the defective drive.





4 Disconnect the power supply cable from the drive.





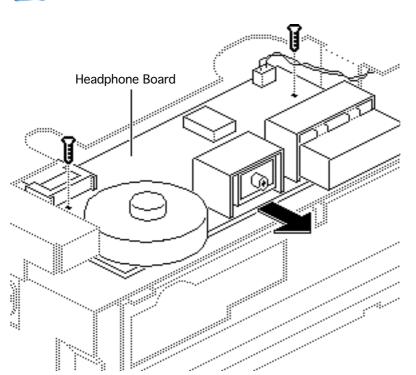
Headphone Board

Before you begin, remove the following:

- Case top
- LED board
- CD-ROM drive

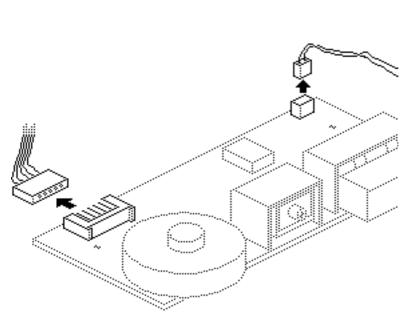
Caution: Review the ESD precautions in Bulletins/Safety.





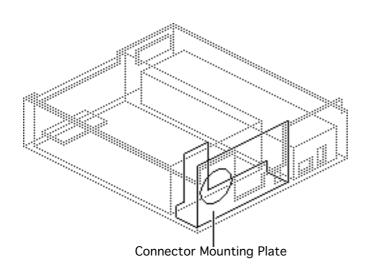
1 Remove the two mounting screws and pull out the headphone board.





2 Disconnect the two cables from the headphone board.





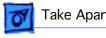
Connector Mounting Plate

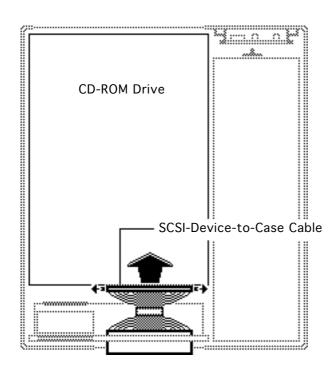
Before you begin, remove the case top.

Caution: Review the ESD precautions in Bulletins/Safety.

Caution: The connector mounting plate may or may not have holes to mount a fan. If a fan is present, do not connect it to the power supply. The use of a fan contaminates the lens with airborne particulates.

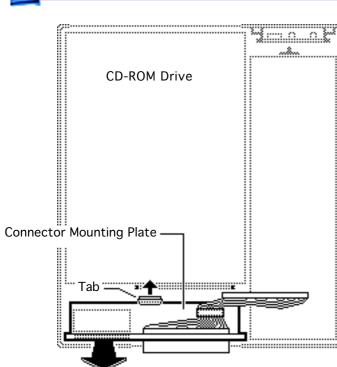






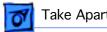
Disconnect the SCSIdevice-to-case cable from the CD-ROM drive.

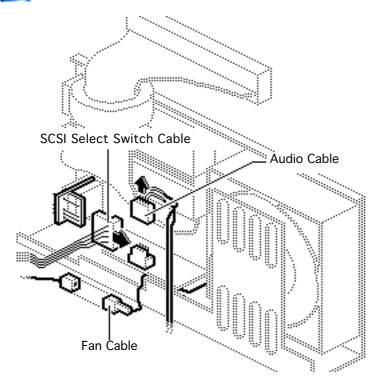




2 Using a small flat-blade screwdriver, pull the tab forward and slide the connector mounting plate up and out of the frame guides.

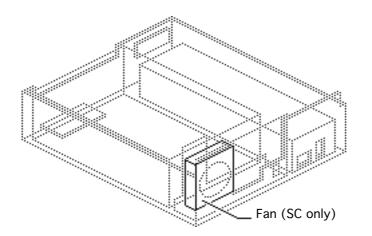






- Remove the following cable connectors:
 - Fan cable
 - Audio cable
 - SCSI select switch cable





Fan (SC only)

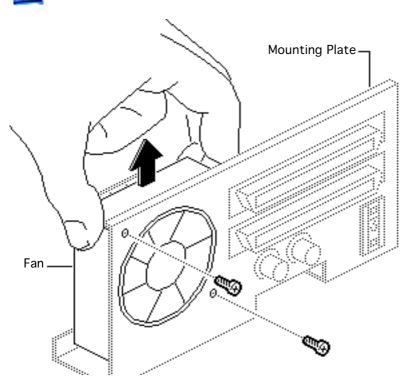
Before you begin, remove the following:

- Case top
- Connector mounting plate

Caution: Review the ESD precautions in Bulletins/Safety.

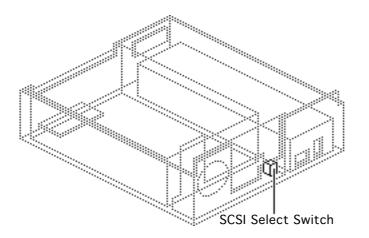
Caution: Use of a fan contaminates the lens with dust and other airborne particulates. Do not replace the fan.





Remove the two mounting screws and lift the fan off the mounting plate.





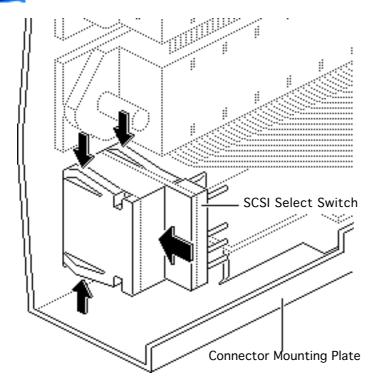
SCSI Select Switch

Before you begin, remove the following:

- Case top
- Connector mounting plate

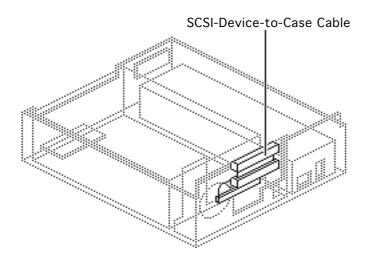
Caution: Review the ESD precautions in Bulletins/Safety.





Using a small flat-blade screwdriver and your fingers, compress the four arms and push the switch through the connector mounting plate.





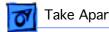
SCSI-Device-to-Case Cable

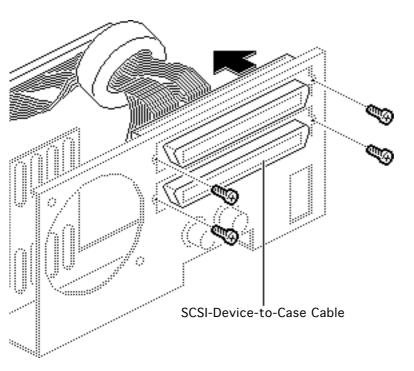
Before you begin, remove the following:

- Case top
- Connector mounting plate

Caution: Review the ESD precautions in Bulletins/Safety.

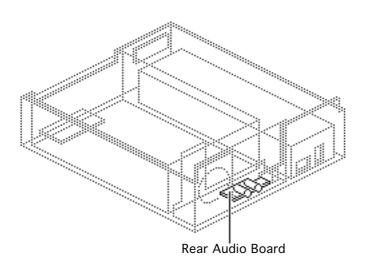






Remove the four mounting screws and separate the cable from the mounting plate.





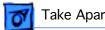
Rear Audio Board

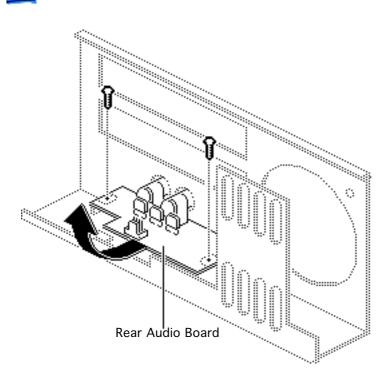
Before you begin, remove the following:

- Case top
- Connector mounting plate
- SCSI device-to-case cable

Caution: Review the ESD precautions in Bulletins/Safety.



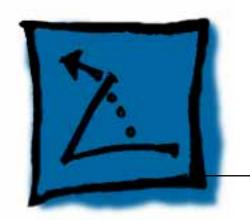




Remove the two mounting screws and lift the rear audio board off the mounting plate.



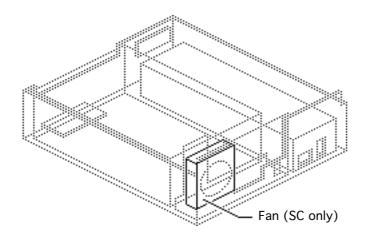




Additional Procedures

AppleCD SC/SC Plus





Disable Fan

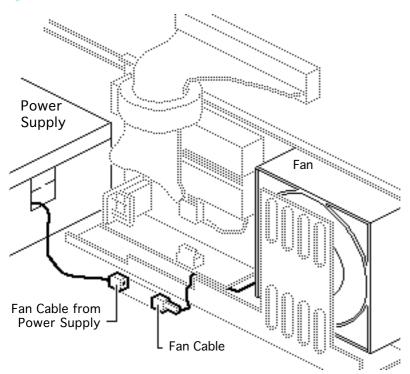
Before you begin, remove case top.

Caution: Review the ESD precautions in Bulletins/Safety.

Caution: Use of a fan contaminates the optic lens with dust and other airborne particulates. Disconnect and do not reconnect the fan cable connector.

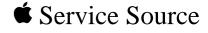


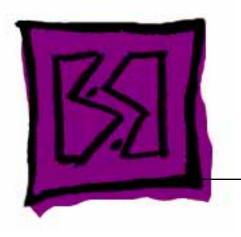




- Disconnect the fan cable.
- 2 Tape the power supply end of the fan cable to the top of the power supply.
- Tuck the fan end of the cable into the empty space in front of the fan.







Exploded View

AppleCD SC/SC Plus



