



Apple Scanners

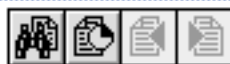
Basic Navigation Within Service Source

Plug-Ins:



Find

Searches the current document only



Search

Searches across all Acrobat documents



Service Source Main Menu



Service Source Help

- Product Name
- Basics
- Specifications
- Troubleshooting
- Take Apart
- Parts
- Exploded View

When viewing Service Source Acrobat procedures with bookmarks active (the default setting), you can click a chapter title to go directly to that chapter. You can also click the triangle to reveal and directly access topics within the chapters.

When printing pages from Acrobat, use these numbers to specify the page range you wish to print. The page numbers at the top of procedure pages are relative to each chapter, not to the whole document.

Go to Next page
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Indicates the end of a topic

Indicates a topic that is two or more pages





Specifications

Apple Scanners



Characteristics

Scanner Type	Flatbed
Maximum Document Size	8.5 by 14 in.
Speed	20.4 sec. for a 300-dpi scan measuring 8.5 by 11 in.
Grayscale	16 levels (4 bits per pixel)
Dropout Color	Green
Interface	SCSI





Settings

Contrast	Up to 8 (specified by user)
Brightness	Up to 16 (specified by user)
Threshold Values	Up to 16 (specified by user)
Gray-Map	More light detail, normal detail, more dark detail
Scan Selections	Line art, halftone, grayscale
Halftone Techniques	Spiral, bayer, 2 by 2, line, user-definable patterns, and adaptive dithering to grayscale data that has been scanned.





Electrical

Line Voltage

120 VAC $\pm 10\%$

Frequency

58-62 Hz





Physical

Size

Height: 4.4 in. (11.2 cm)

Width: 13.6 in. (34.5 cm)

Depth: 21.8 in. (55.4 cm)

Weight

20 lb. (9.1 kg)



Environmental

**Operating
Temperature**

32–104°F (0–40°C)

**Storage
Temperature**

–40 to 149°F (–40 to 65°C)

Relative Humidity

5–95% noncondensing





Troubleshooting

Apple Scanners



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.





Symptom Charts

Miscellaneous

Power lamp not on;
machine dead

- 1 Plug in power cord.
- 2 Close lamp cover and turn button clockwise.
- 3 Check for correct setting of voltage selector (on universal models).
- 4 Check interlock switch with multimeter; replace if switch is not opening and closing.
- 5 Check fuses FU1, FU2, and FU3 on power supply board.
- 6 Check fuse 1 on logic board (4-bit only).
- 7 Replace logic board.
- 8 Replace power supply.
- 9 Replace transformer.





Optical assembly does not move

- 1 Check and clean or replace belt.
- 2 Check belt tension. Belt should be tight with no slack.
- 3 Check for damage to gears or buildup of foreign material; clean or replace gears.

Optical assembly moves once, then does not move

Check limit switch for continuity.

System does not boot or locks up during transfer of data over SCSI bus

Perform "Logic Board Modification" (see Additional Procedures).





- | | |
|--|--|
| AppleScan program
crashes during
middle of scanning
operation, or
computer hangs | <ol style="list-style-type: none">1 Verify version of AppleScan.2 Replace power supply board.3 Replace logic board. |
| Fluorescent lamp
won't light or is dim | <ol style="list-style-type: none">1 Check lamp holder connector.2 Check that label of fluorescent lamp faces down (into lamp holder).3 Replace lamp.4 Check flexible cable.5 Replace inverter (or optical assembly). |





Scan command not executed	1	Check external cable connections.
	2	Reset SCSI select switch on scanner to an unused device number (factory preset at 2). Do not use 7 or 8.
	3	Check that SCSI cable terminates correctly.
	4	Check fuse on logic board.
	5	Replace logic board.
Image not clean; dark or light spots	1	Clean glass with water and soft, lint-free cloth.
	2	Adjust contrast or threshold settings on application.
	3	Replace lamp.
	4	Replace logic board.
	5	Replace optical assembly.
Scanning performed, but image doesn't reach host computer	1	Check interface connector.
	2	Replace optical assembly.
	3	Check fuse on logic board.
	4	Replace logic board.





Incorrect image on
host screen

- 1 Clean glass with water and soft, lint-free cloth.
- 2 Replace optical assembly.



Apple OneScanner for Windows

Scanner does not
operate in Windows
environment

- 1 Check connections of SCSI cable.
- 2 Check that SCSI terminator is installed.
- 3 Replace AT-to-SCSI Host Adapter card.
- 4 If you determine that there is a software problem, contact the Apple Assistance Center.





Take Apart

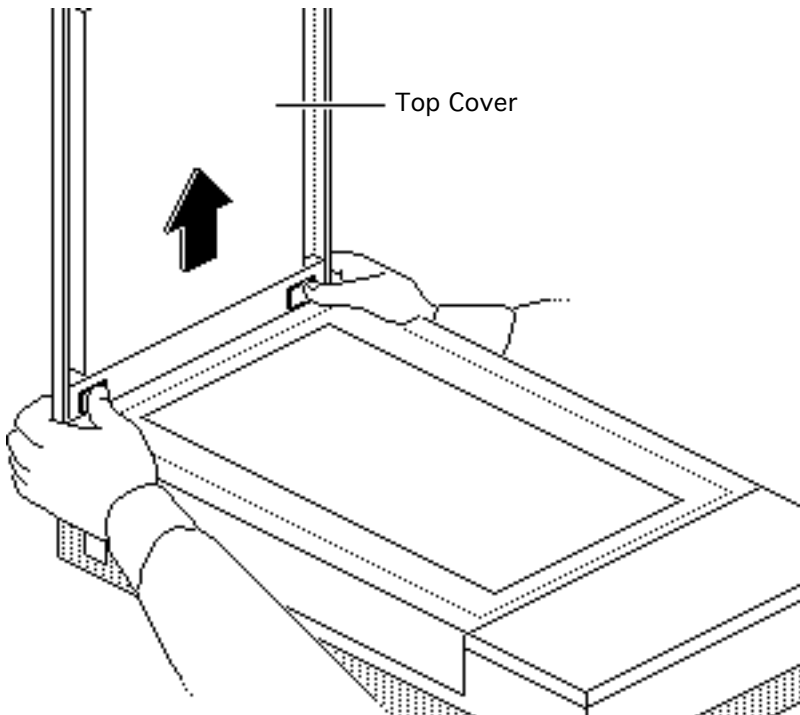
Apple Scanners



Top Cover

No preliminary steps are required before you begin this procedure.

- 1 Press the clips and lift the top cover.



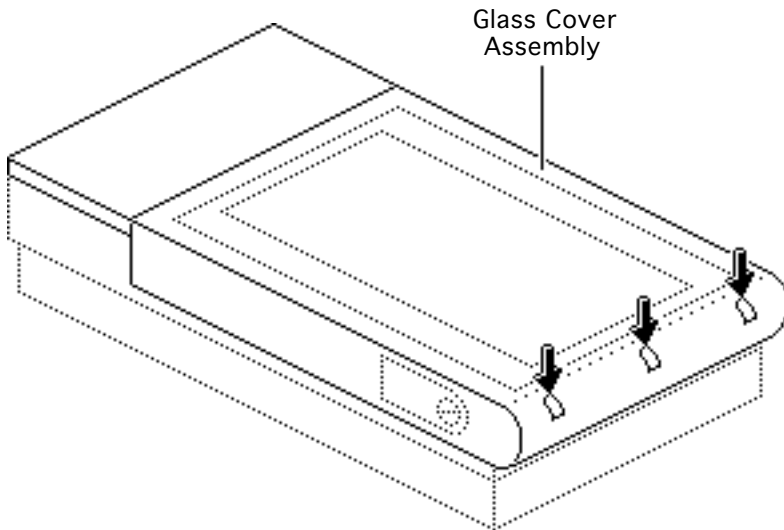


Glass Cover Assembly

Before you begin, remove the top cover.

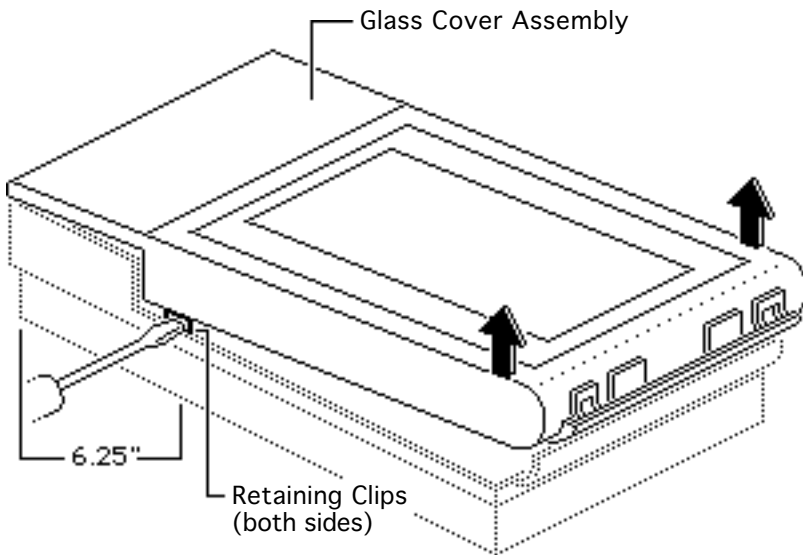
Caution: Review the ESD precautions in Bulletins/ Safety.

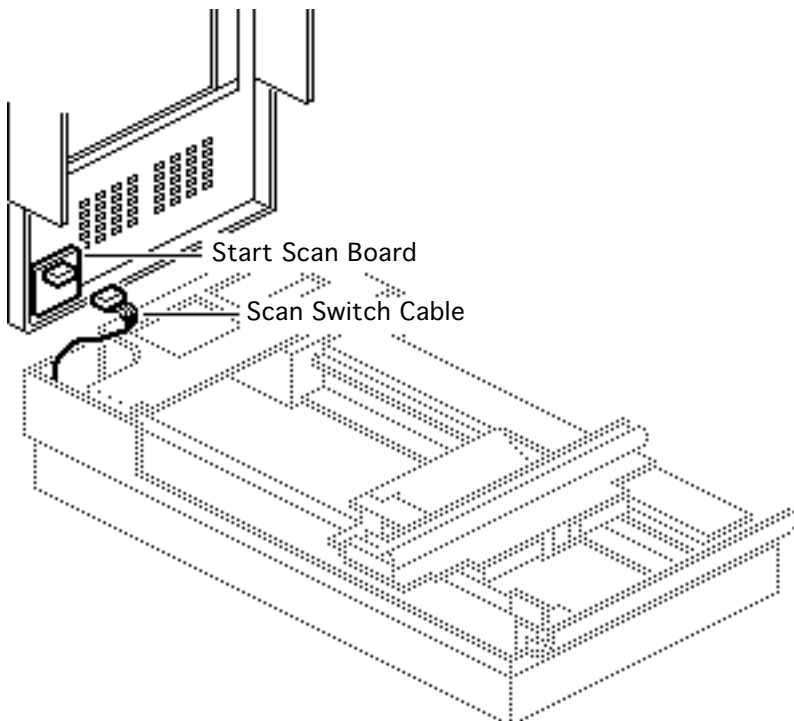
- 1 Loosen the three captive screws.





- 2 While lifting the glass cover assembly from the rear, use a flat-blade screwdriver to press in and release the two retaining clips.

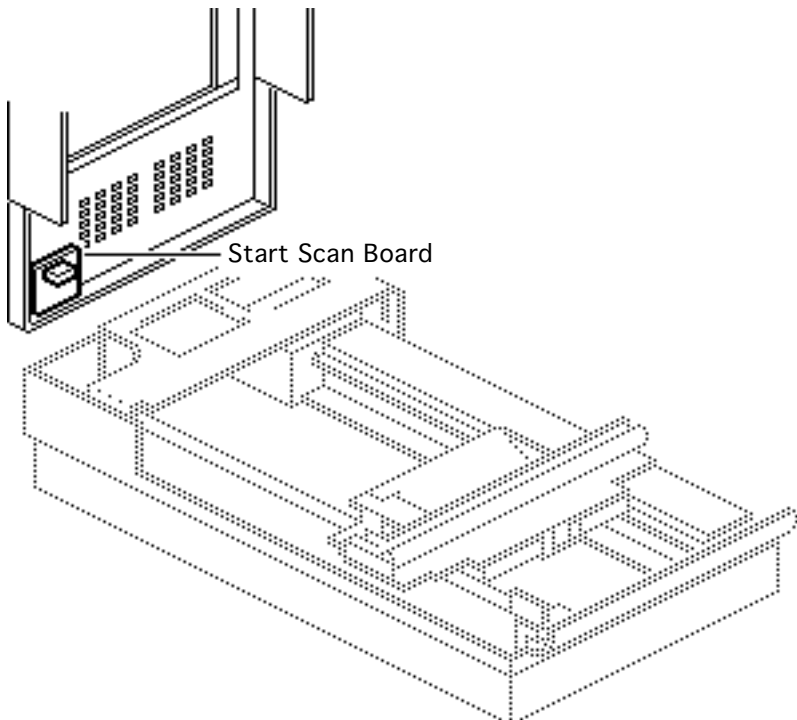




Caution: Make sure that you don't damage the protruding components on the start scan board while performing this procedure.

- 3 Raise the glass cover assembly to 90°, disconnect the scan switch cable from the start scan board, and remove the glass cover assembly.





- 4 **Replacement Note:**
When you replace a damaged glass cover assembly, remove the start scan board and install the board on the new glass cover assembly.



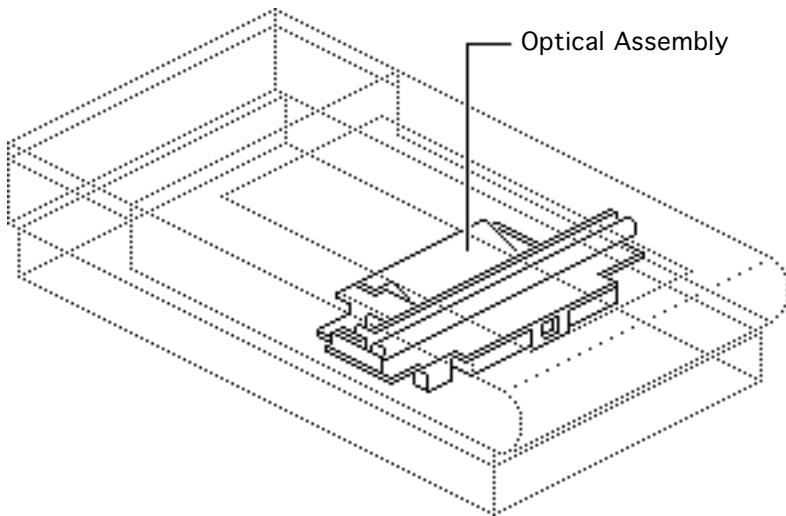


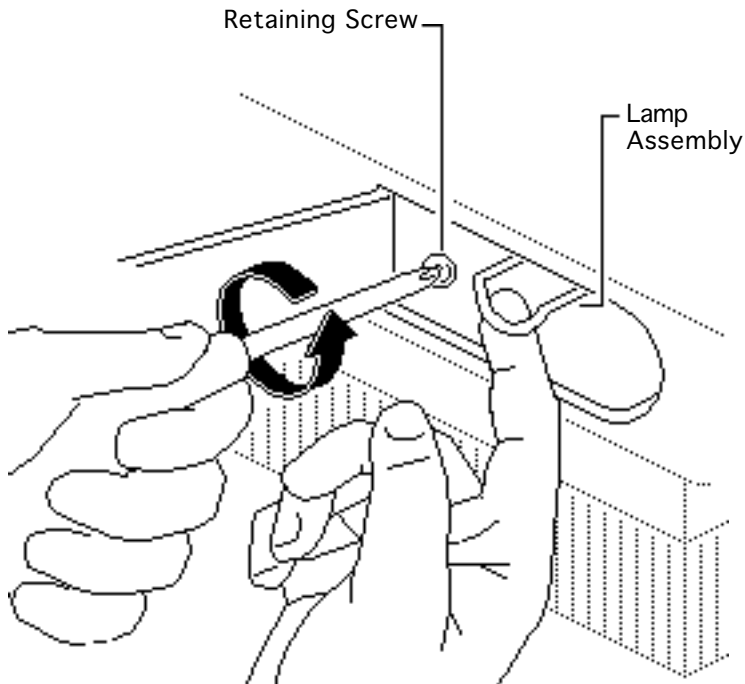
Optical Assembly

Before you begin, remove the following:

- Top cover
- Glass cover assembly

Caution: Review the ESD precautions in Bulletins/ Safety.





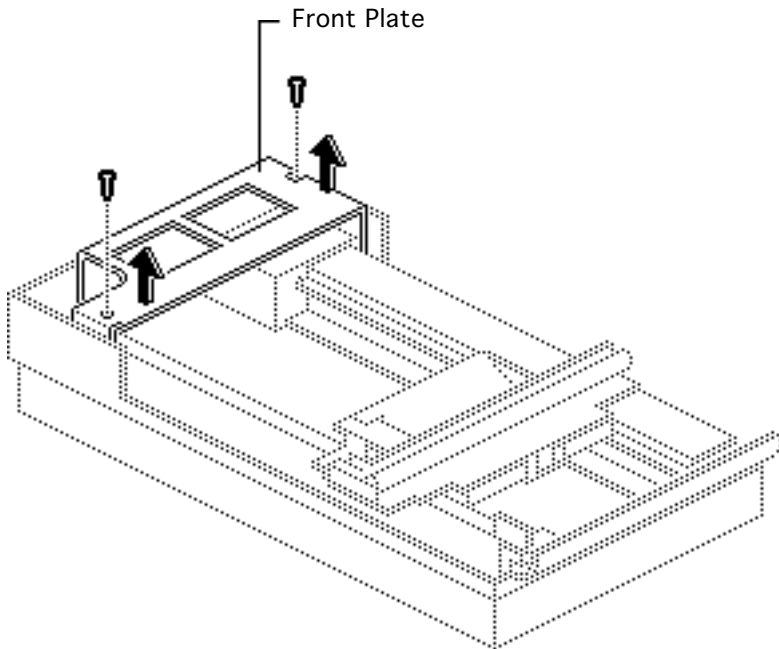
- 1 While pulling the wire handle, loosen the retaining screw and remove the lamp assembly.

Replacement Note: Make sure the left side of the lamp assembly engages the left retaining flanges properly.



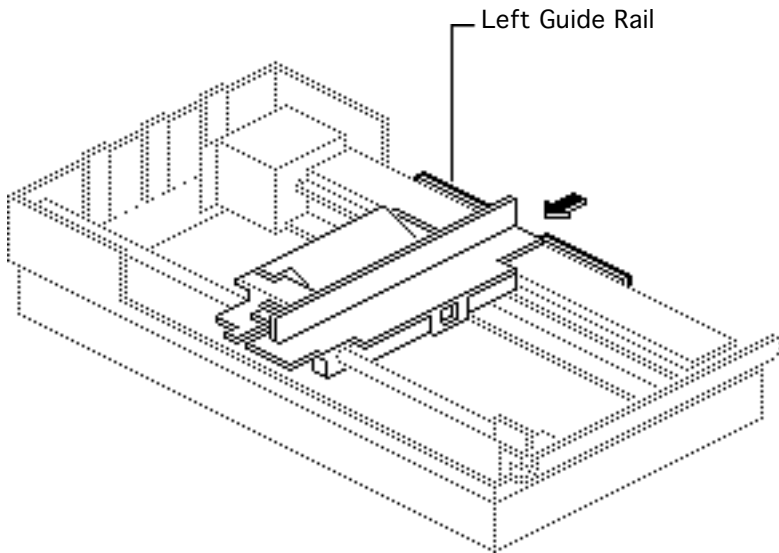


- 2 Remove the two retaining screws and lift out the front plate.



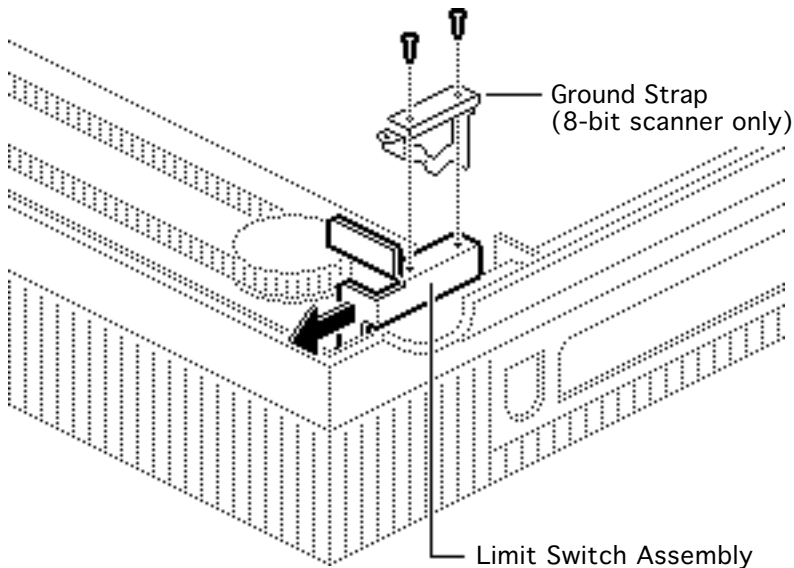


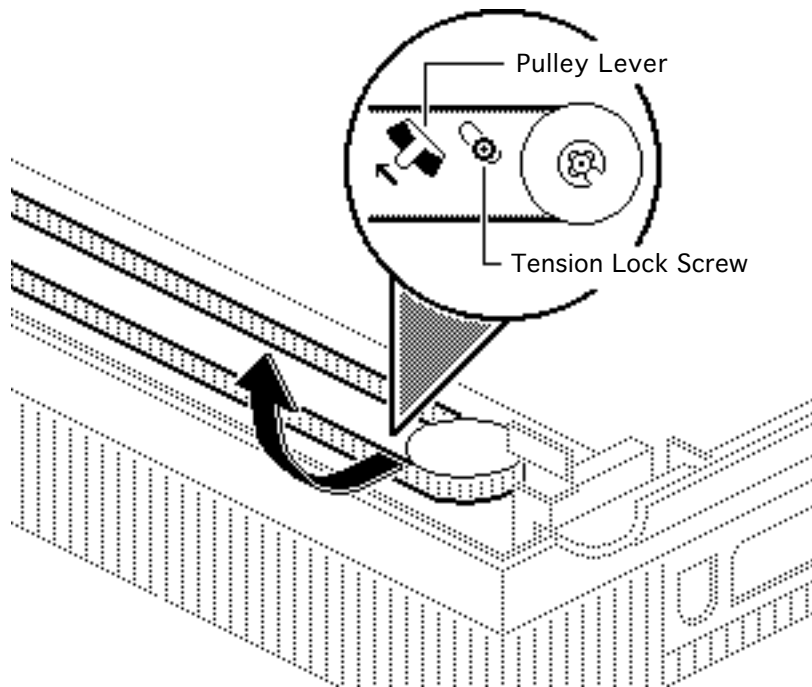
- 3 Push the optical assembly to the center of travel and over the cutout in the left guide rail.





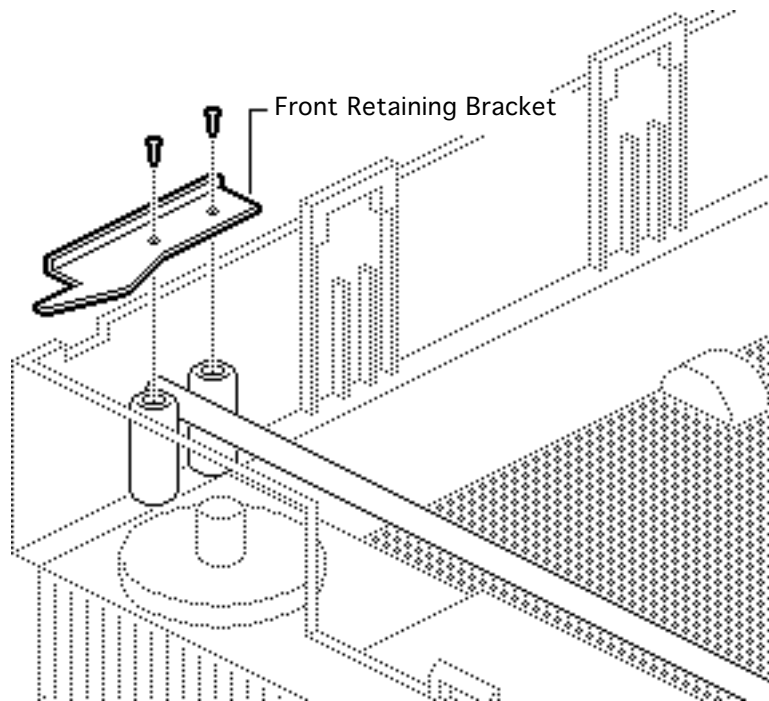
- 4 Remove the two retaining screws (and ground strap, for 8-bit scanner only) and slide the limit switch assembly to the side.





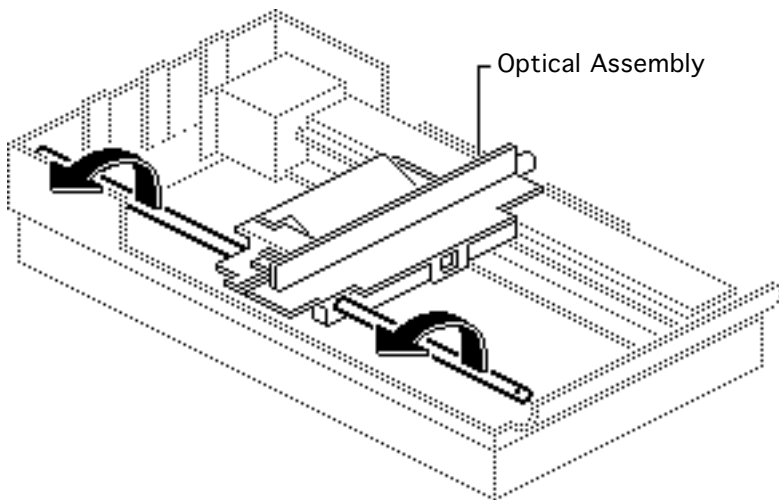
- 5 Loosen the tension lock screw.
- 6 Slide the pulley lever forward to relieve belt tension and remove the belt from the rear pulley gear.
- 7 Remove the belt from the front pulley gear.





- 8 Remove the two retaining screws and the carrier shaft front retaining bracket.

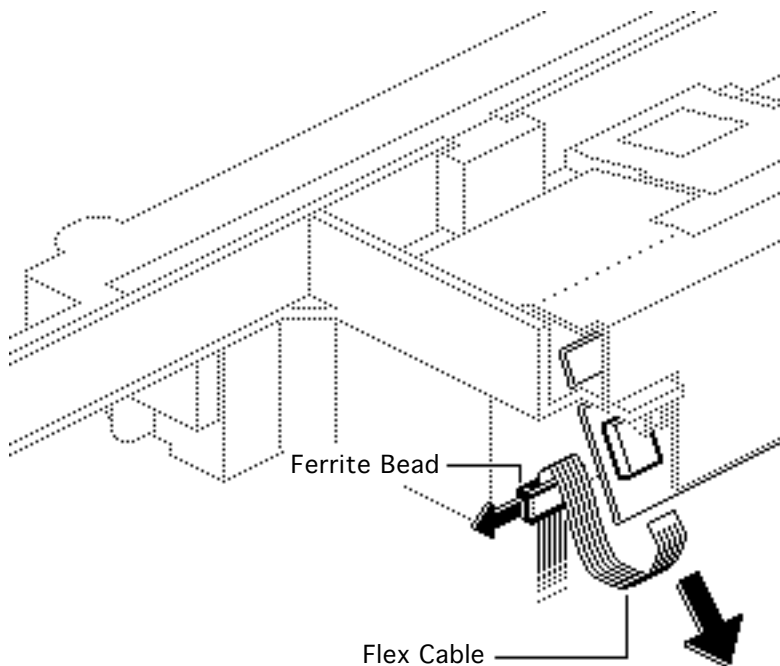




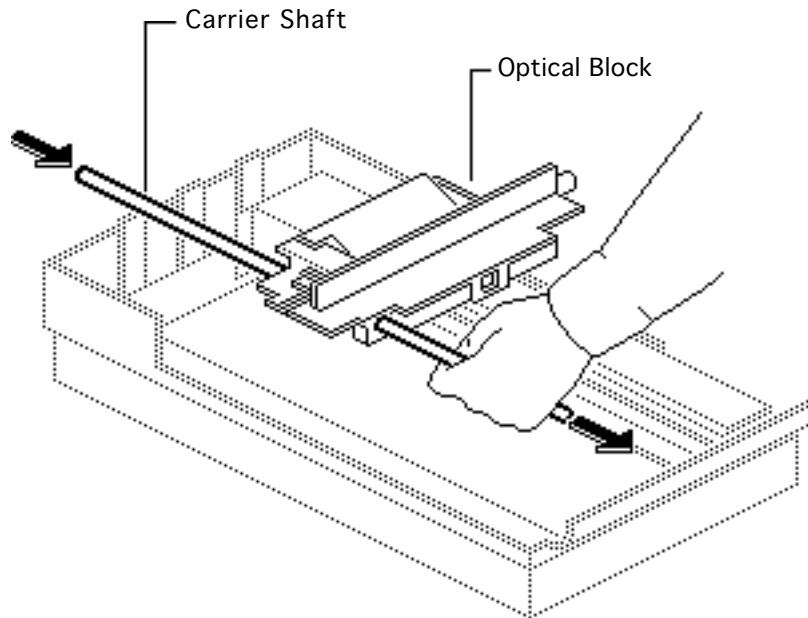
Caution: Do not lift the optical assembly too high, or you may damage the flex cable.

- 9 Lift the shaft until it clears both support brackets; then pull the shaft slightly to the right. Free the left side of the optical assembly from the left guide rail.





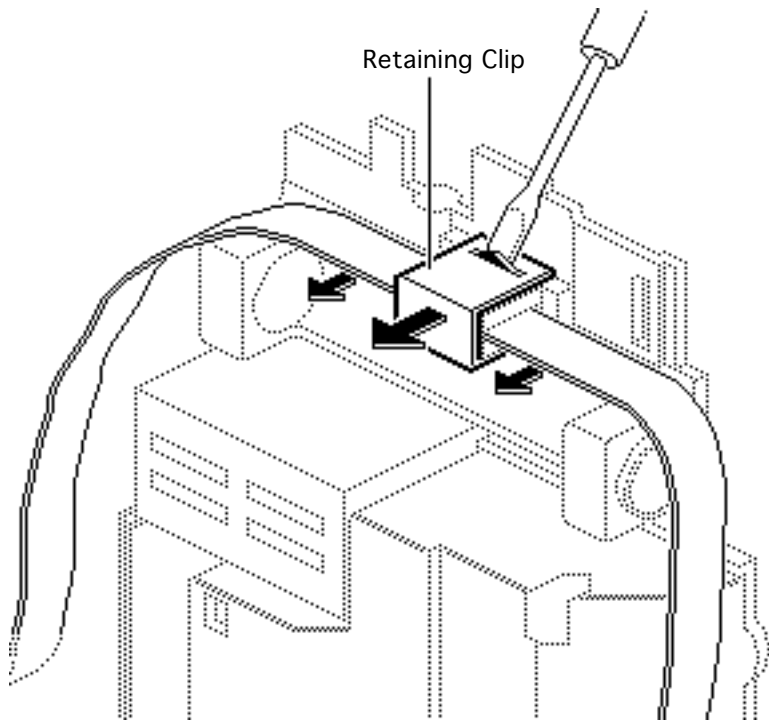
- 10 Disconnect the flex cable and remove the cable (and ferrite bead on the 8-bit scanner only) from the optical assembly.



- 11 Lift the optical block from the scanner.
- 12 Slide the shaft out of the optical block.

Note: Keep the carrier stopper sleeve with the shaft.





- 13 Using a small screwdriver, pry off the retaining clip and remove the belt from the optical assembly.





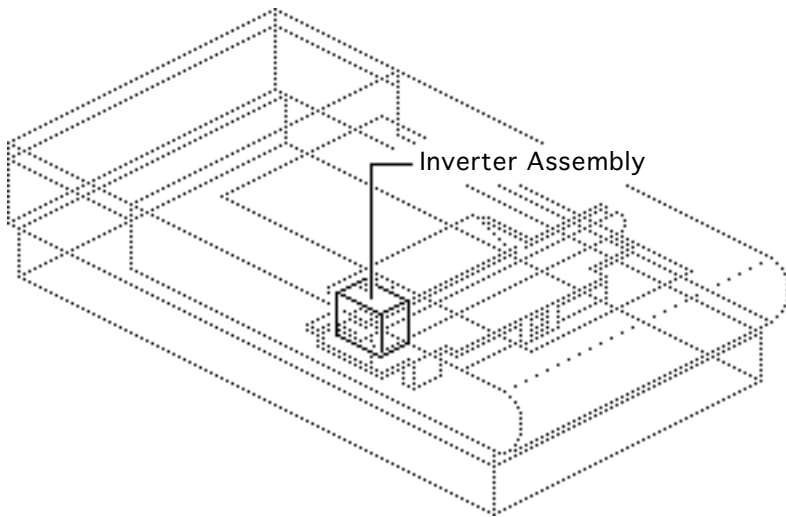
Inverter Assembly

Before you begin, remove the following:

- Top cover
- Glass cover assembly
- Optical assembly

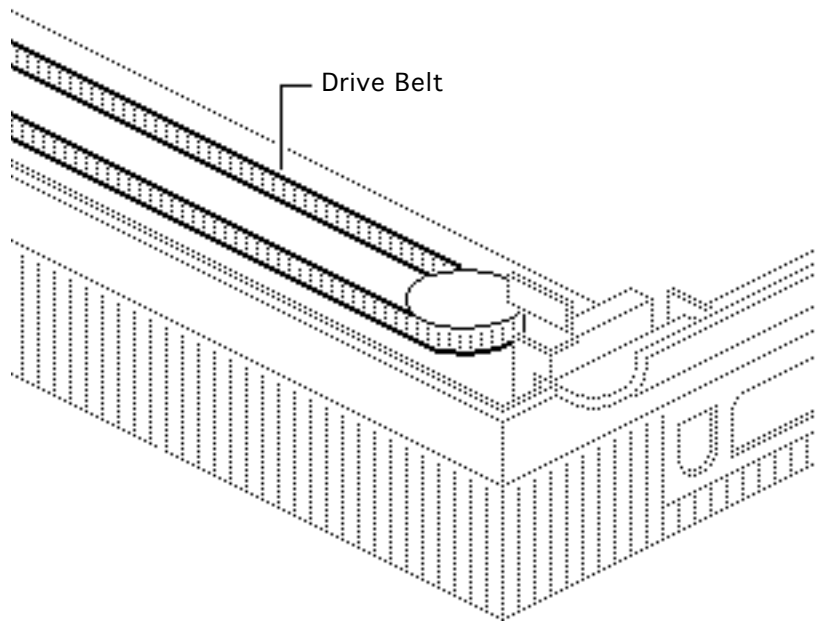
Caution: Review the ESD precautions in Bulletins/ Safety.

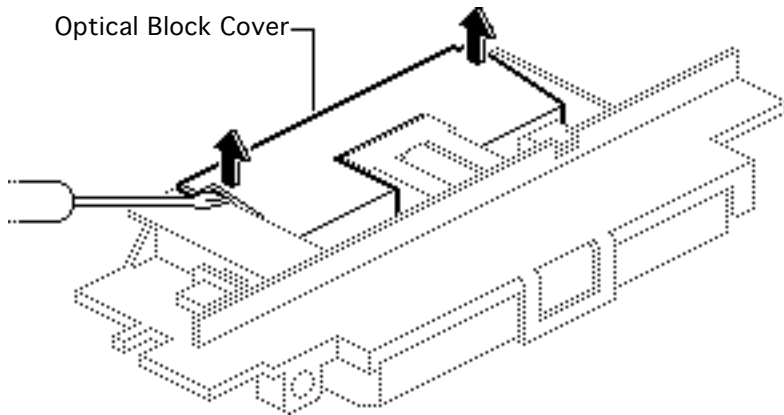
Caution: Do not loosen the set screw. Loosening the screw damages the factory optical settings, and you must replace the optical assembly.



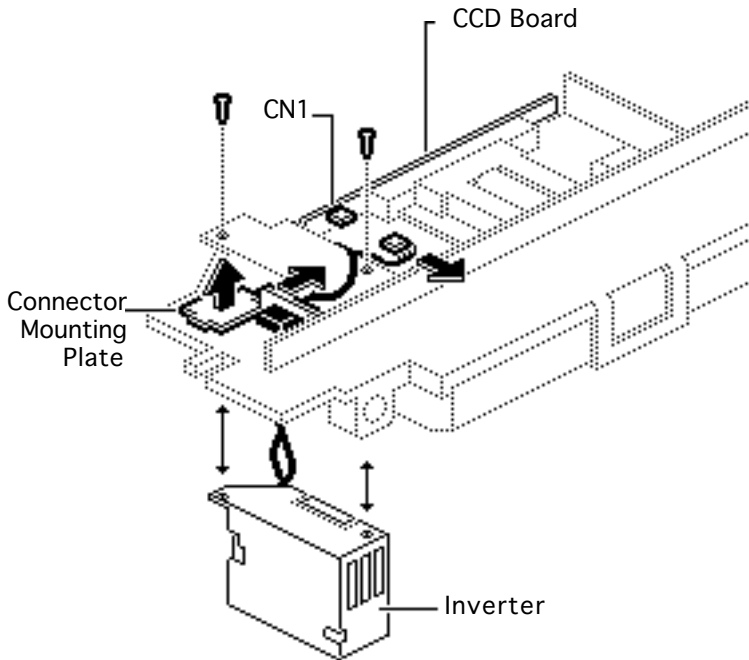


Note: You do not have to remove the drive belt from the optical block.





- 1 Insert a flat-blade screwdriver under one side of the optical block cover, and gently pry up until you hear a snap. Perform the same procedure on the other side, and remove the optical block cover.



Caution: Do not loosen the two CCD retaining screws. Loosening the screws damages the optical alignment, and you must replace the optical assembly.

- 2 Disconnect connector CN1 from the CCD board.
- 3 Remove the two mounting screws and let the inverter drop.
- 4 Slide the connector mounting plate to the left, toward the inverter, and lift the right side of the plate.





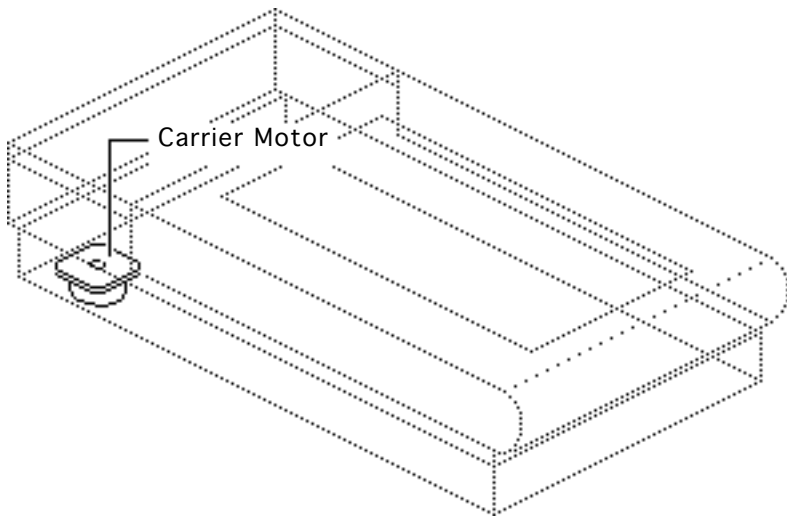
Carrier Motor

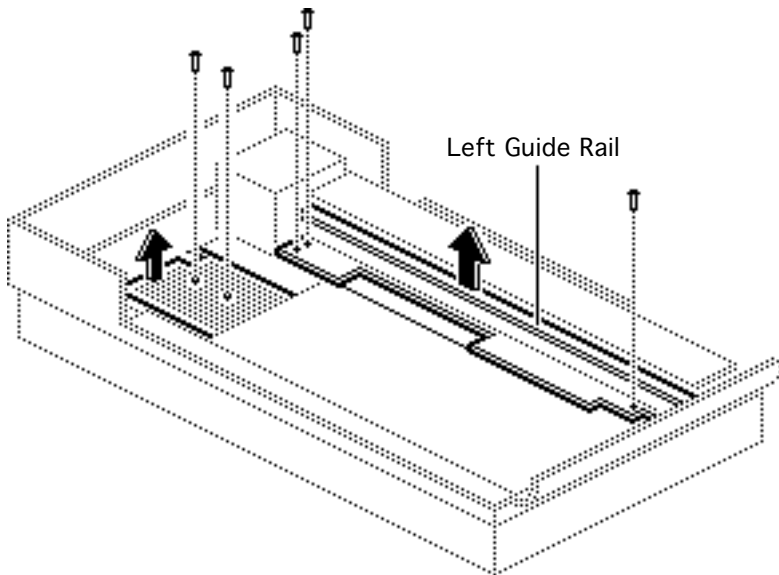
Before you begin, remove the following:

- Top cover
- Glass cover assembly
- Optical assembly

Caution: Review the ESD precautions in Bulletins/ Safety.

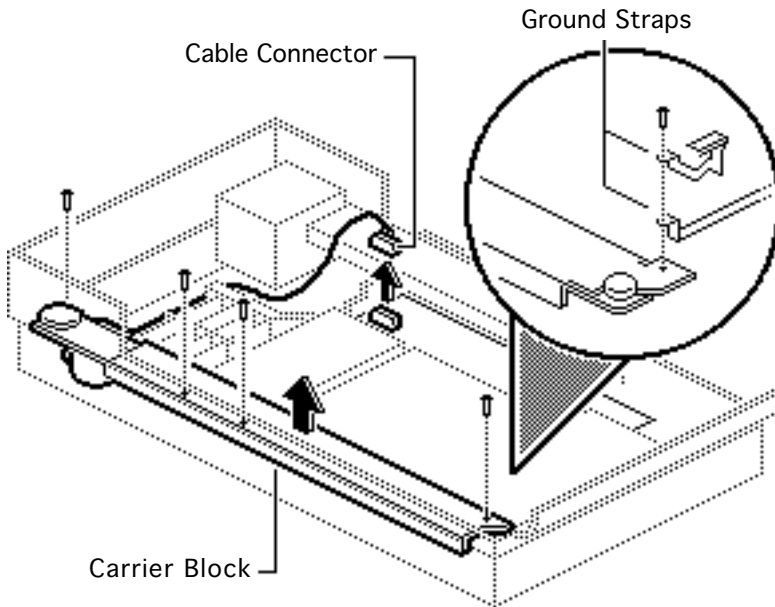
Replacement Note: Replace the drive belt tensioning spring and drive gear pulleys now.





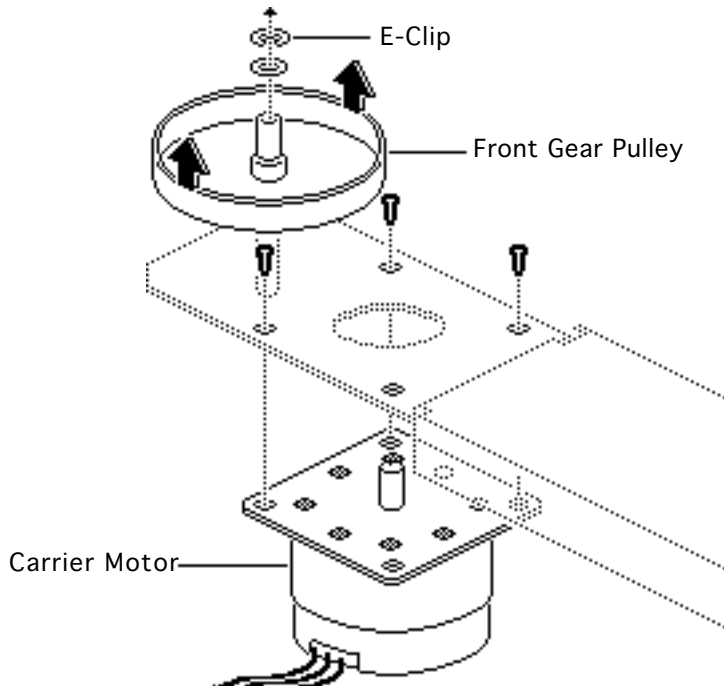
- 1 Remove the two retaining screws and the front inside cover.
- 2 Remove the three mounting screws and the left guide rail.





- 3 Disconnect the cable connector from the power supply Board.
- 4 Remove the retaining screw and move the ground straps out of the way.
- 5 Remove the four mounting screws and lift out the carrier block.





- 6 Remove the E-clip and washer, and slide the front gear pulley up and off the pulley spindle.
- 7 Remove the remaining three motor mounting screws and the motor.

Replacement Note:

Install the motor onto the carrier assembly with the motor cable facing forward.



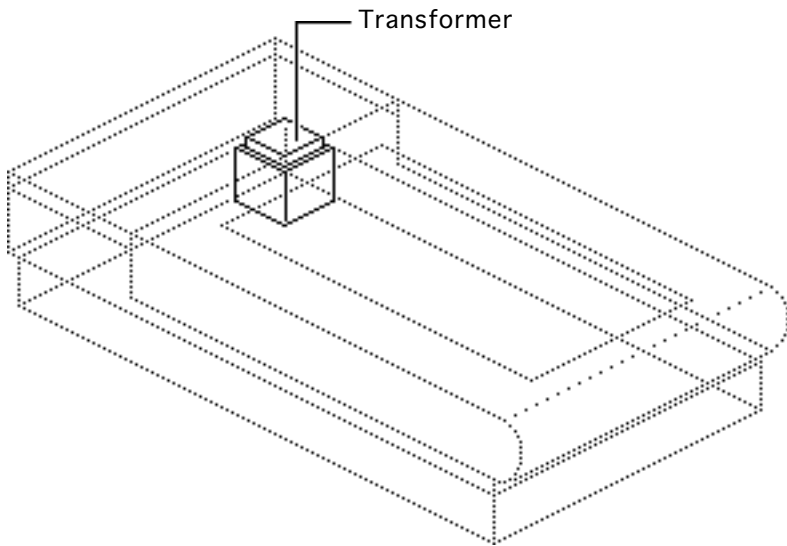


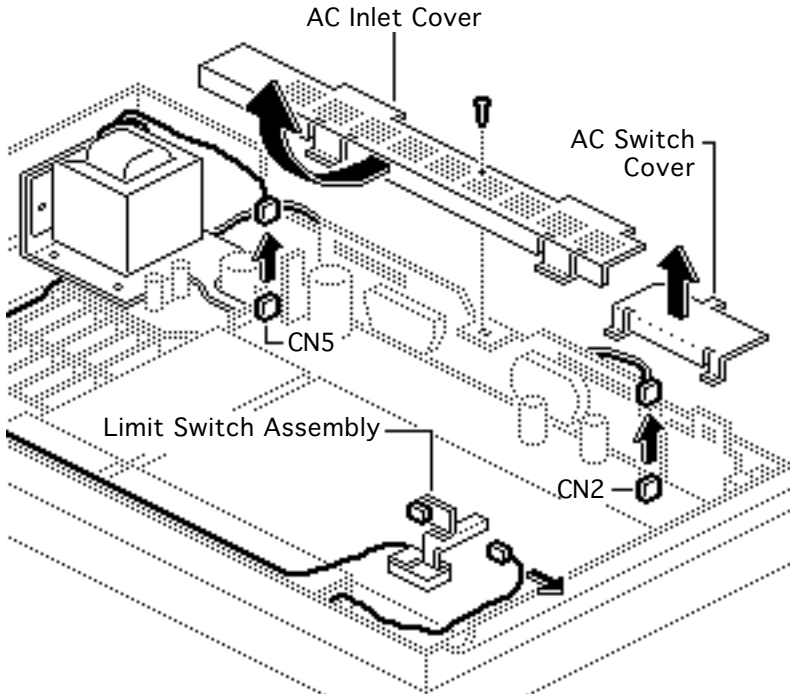
Transformer

Before you begin, remove the following:

- Top cover
- Glass cover assembly
- Optical assembly
- Carrier block

Caution: Review the ESD precautions in Bulletins/ Safety.



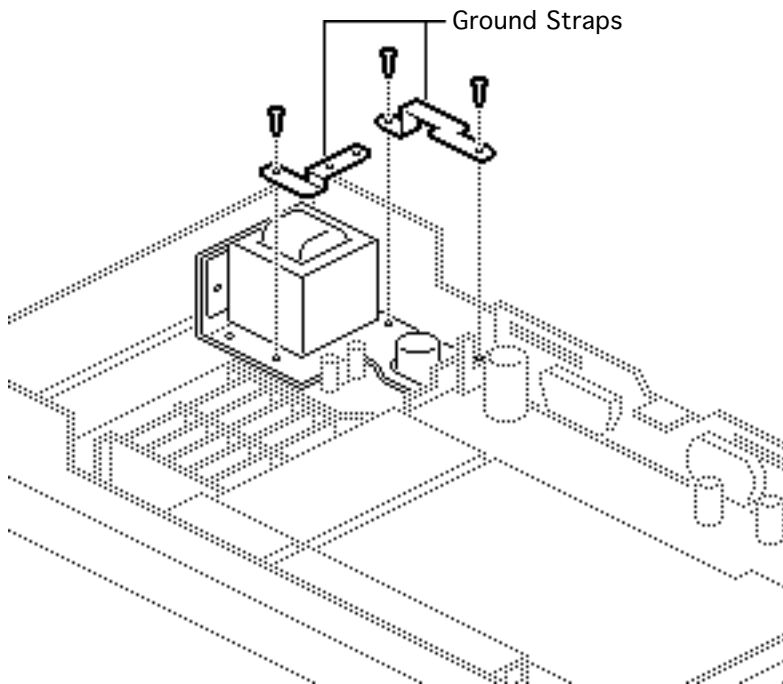


- 1 Remove the retaining screw and slide the AC inlet cover to the right and out of the scanner.
- 2 Remove the AC switch cover.
- 3 Using a small flat-blade screwdriver, push the retaining tab toward the connector and disconnect the two cable connectors, CN2 and CN5, from the power supply board.
- 4 Disconnect the cable connector from the limit switch assembly.



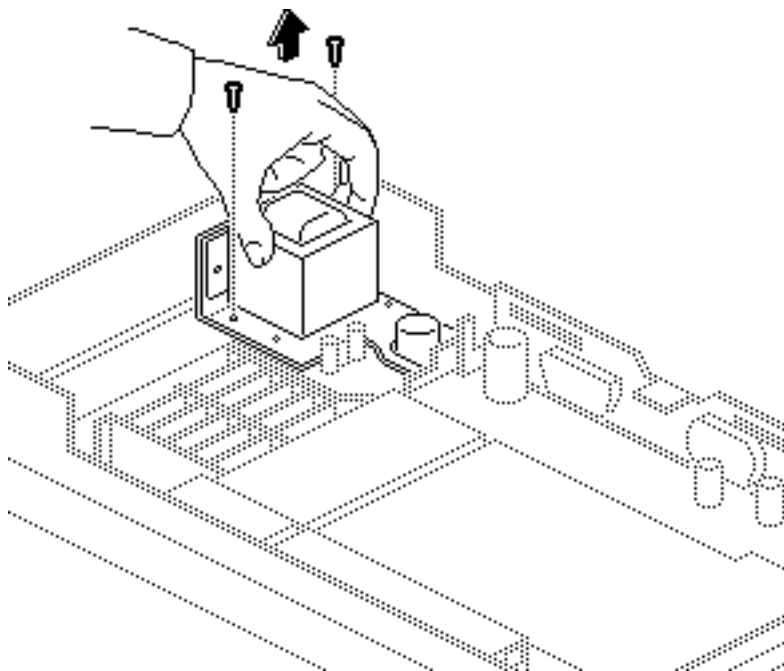


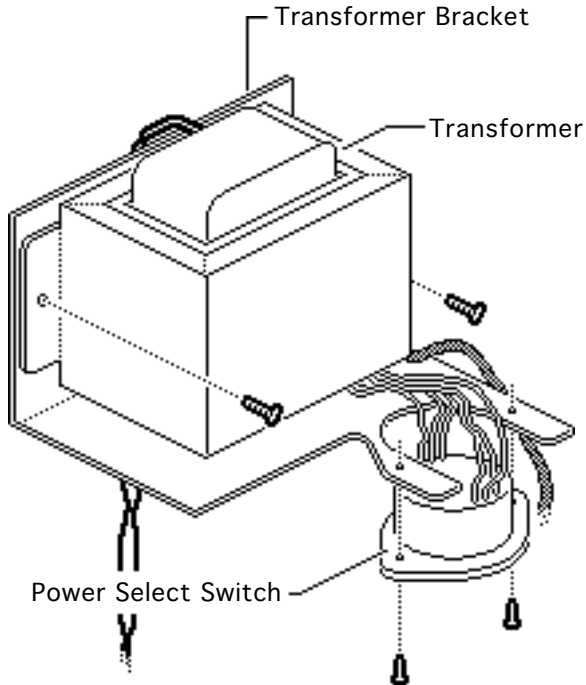
- 5 Remove the screws and ground straps.





- 6 Remove the two remaining screws and lift out the transformer.





- 7 Remove the two mounting screws and separate the transformer from the transformer bracket.
- 8 Remove the two mounting screws and the power select switch from the transformer bracket (on universal transformers only).

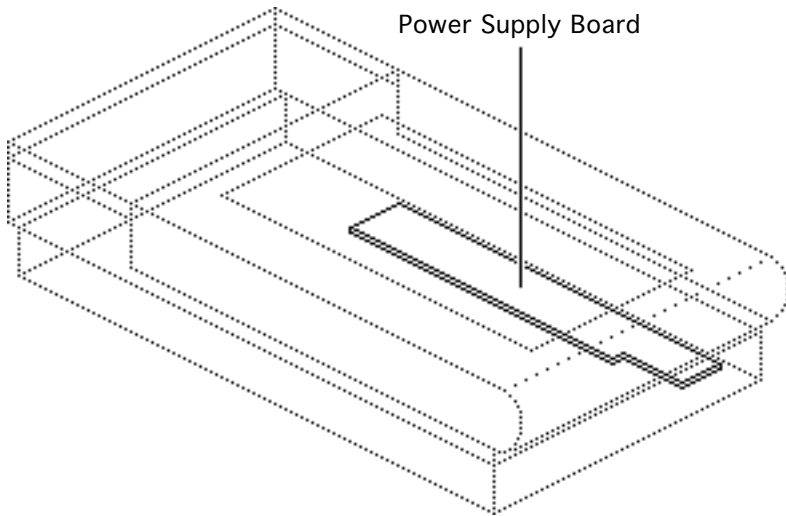


Power Supply Board

Before you begin, remove the following:

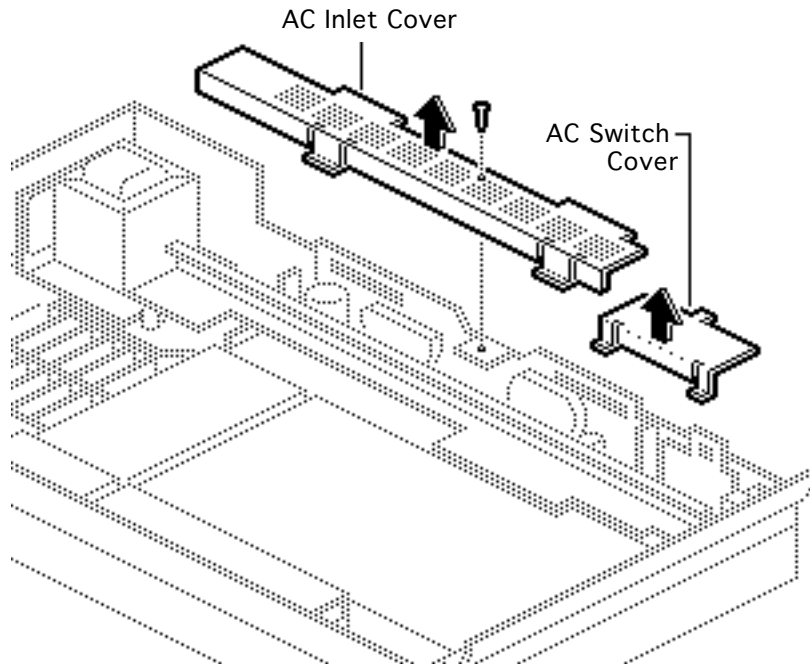
- Top cover
- Glass cover assembly
- Optical assembly

Caution: Review the ESD precautions in Bulletins/ Safety.



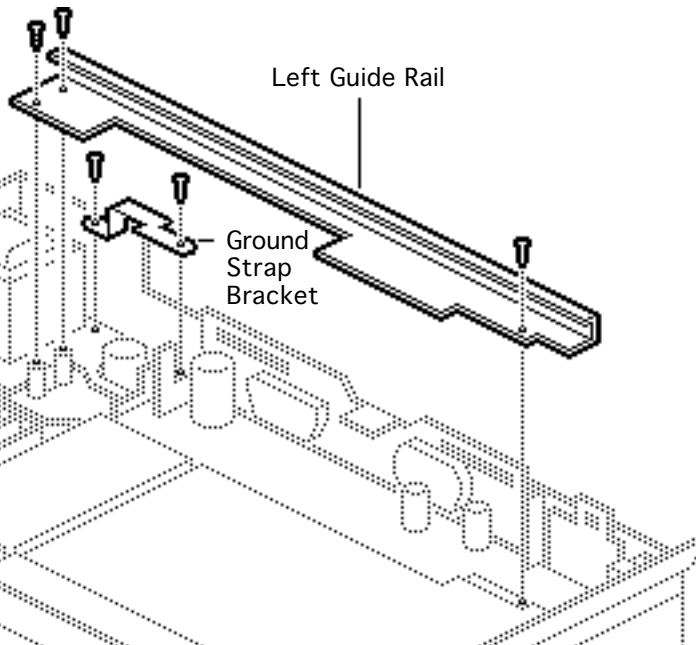


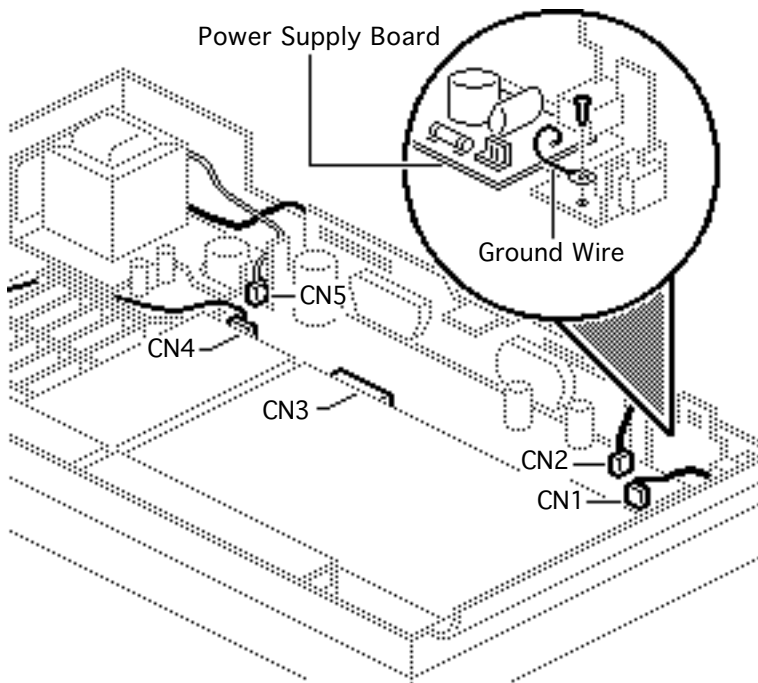
- 1 Remove the retaining screw and slide the AC inlet cover to the right and out of the scanner.
- 2 Remove the AC switch cover.





- 3 Remove the three mounting screws and the left guide rail.
- 4 Remove the two mounting screws and the ground strap bracket.





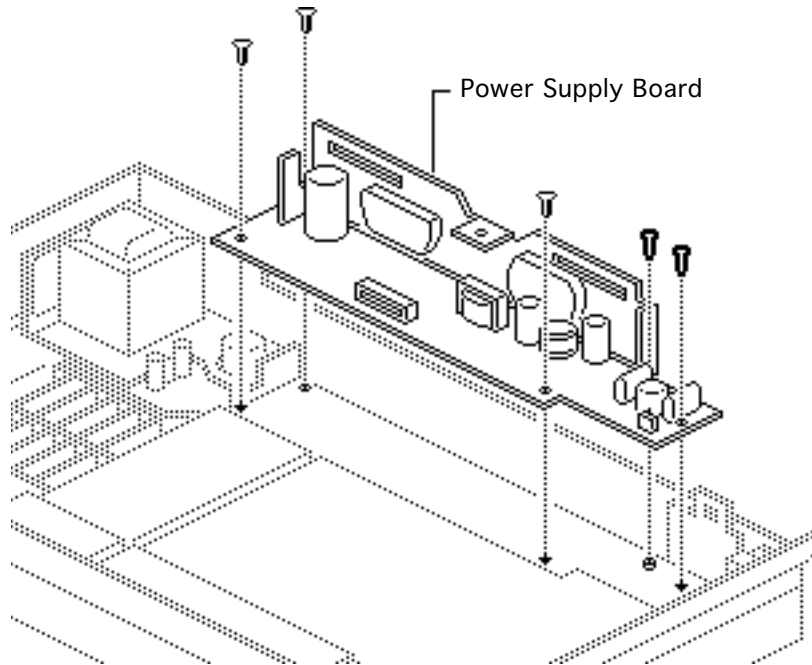
Note: On the 8-bit scanner, remove the logic board (with metal case) to allow removal of the power cable connector.

- 5 Disconnect the five cable connectors from the power supply board:
 - CN1
 - CN2
 - CN3
 - CN4
 - CN5
- 6 Remove the retaining screw and detach the ground wire.





- 7 Remove the three self-tapping screws, the two machine screws, and the power supply board.



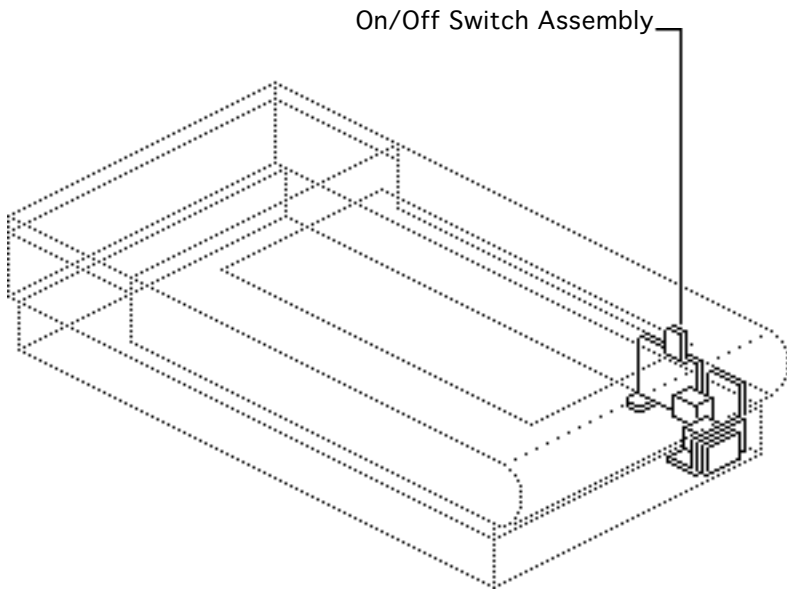


On/Off Switch Assembly

Before you begin, remove the following:

- Top cover
- Glass cover assembly
- Optical assembly
- Power supply board

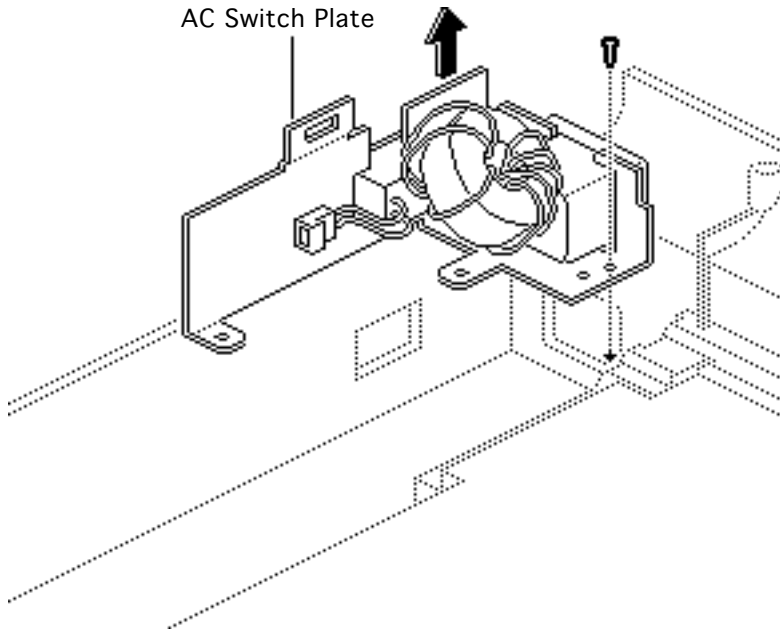
Caution: Review the ESD precautions in Bulletins/ Safety.





Remove the remaining screw
and the AC switch plate.

AC Switch Plate

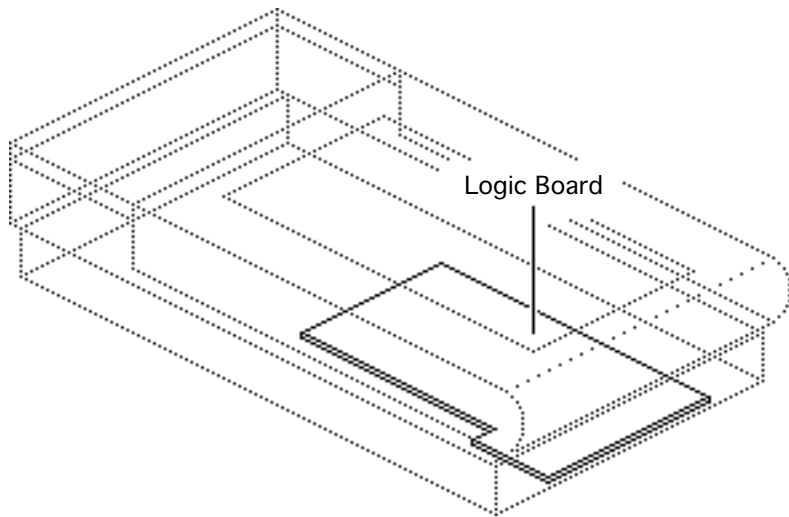




Logic Board

No preliminary steps are required before you begin this procedure.

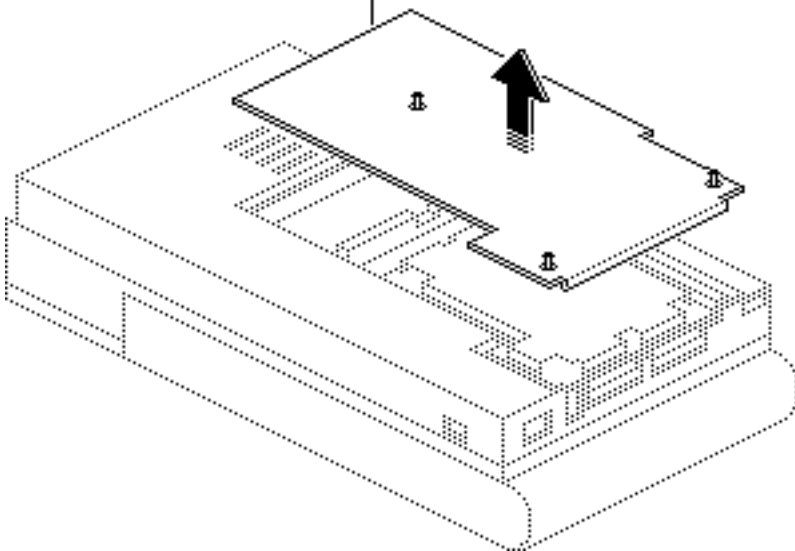
Caution: Review the ESD precautions in Bulletins/ Safety.





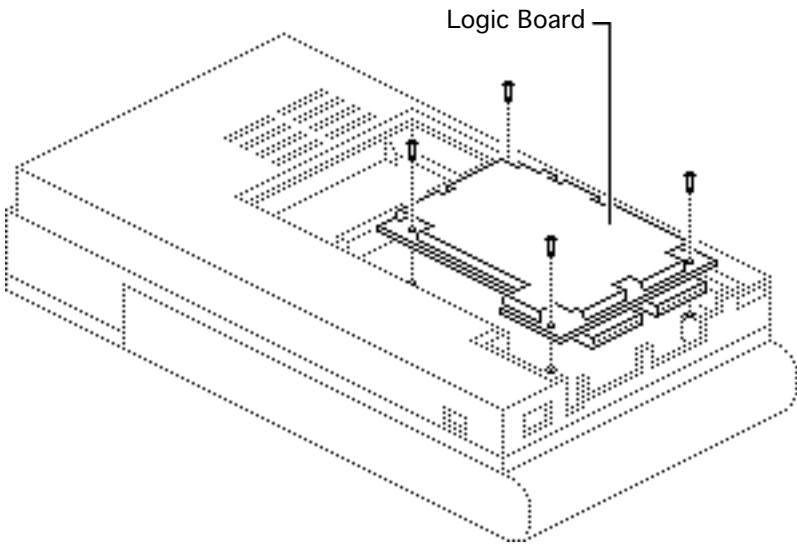
- 1 Loosen the three captive screws and remove the bottom cover.

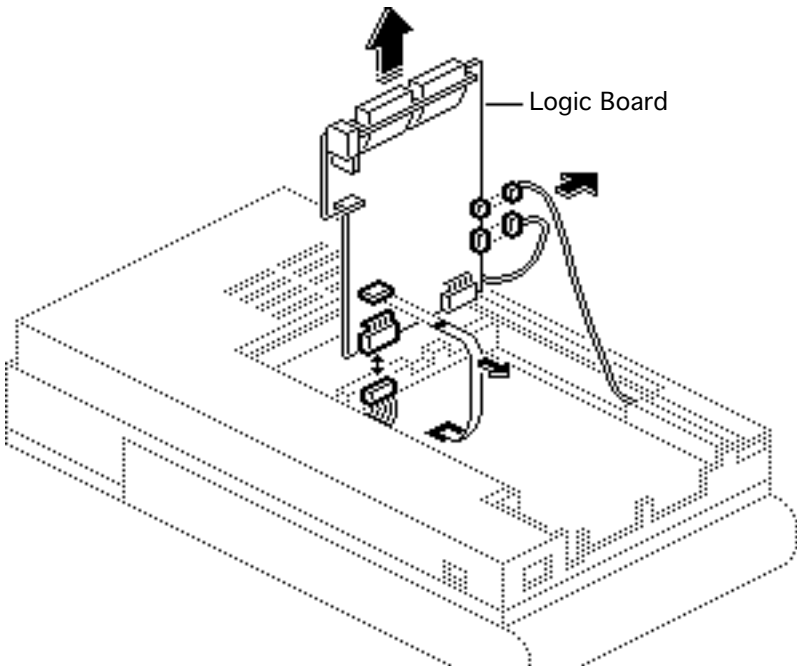
Bottom Cover





- 2 Remove the four mounting screws, and remove the logic board.





- 3 Lift the logic board to gain access and disconnect the four cables.
- 4 Remove the logic board.

Caution: Do not remove the metal case from the 8-bit logic board. You could cause ESD damage to the circuitry.





Additional Procedures

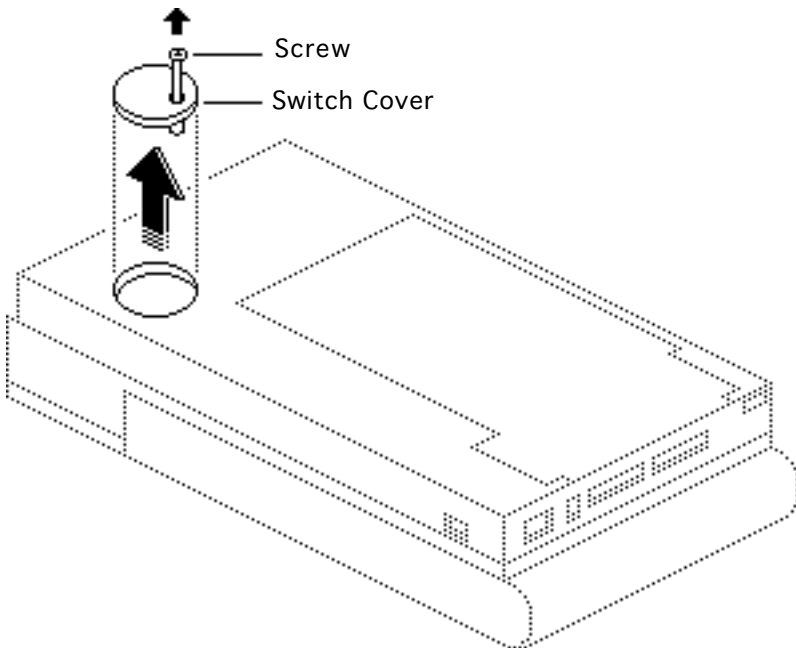
Apple Scanners

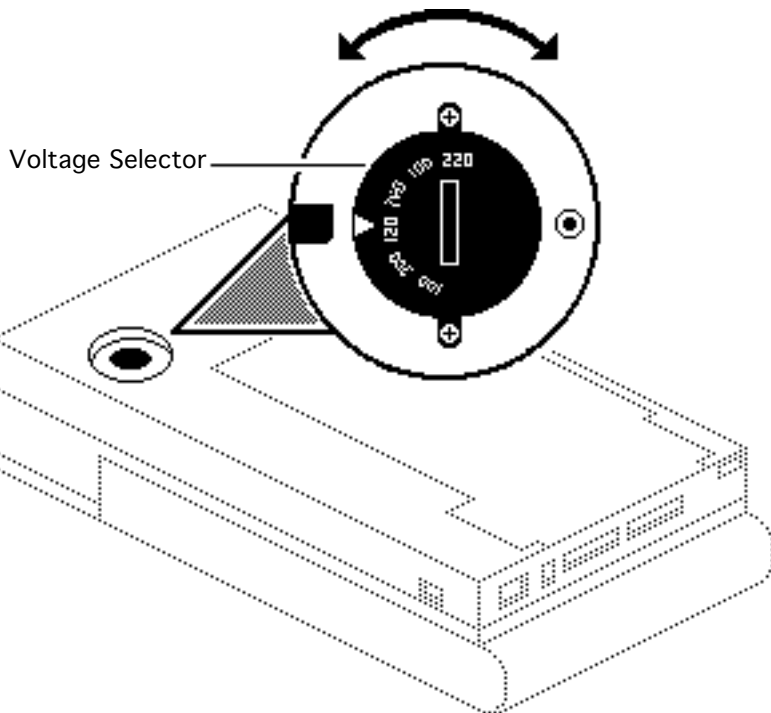


Selecting Voltage

No preliminary steps are required before you begin this procedure.

- 1 Remove the screw and the switch cover.





- 2 Using a coin or a flat-blade screwdriver, rotate the voltage selector to match the incoming voltage.

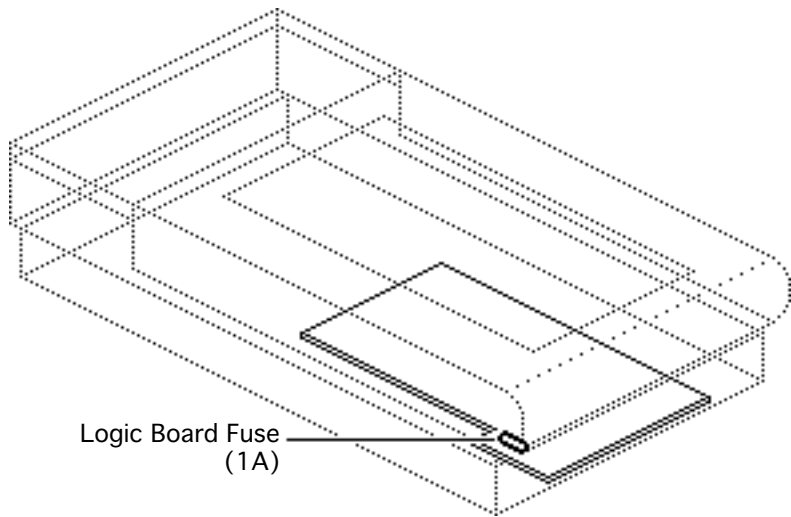


Logic Board Fuse

Before you begin, remove the logic board.

Caution: Review the ESD precautions in Bulletins/ Safety.

Note: Perform this procedure on the 4-bit scanner only. Return the 8-bit logic board (in its shielded case) to Apple for repairs.

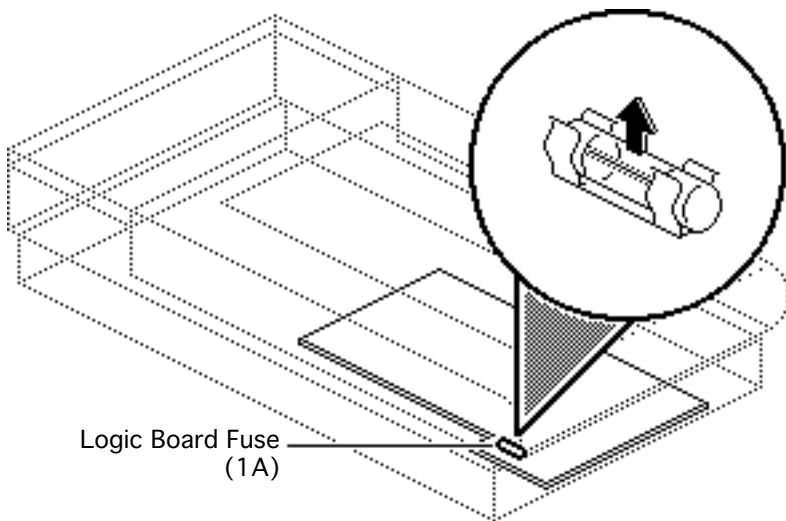




Pry up one end of the fuse at a time and remove the fuse.

Replacement Caution:

Use a replacement fuse with the correct rating.

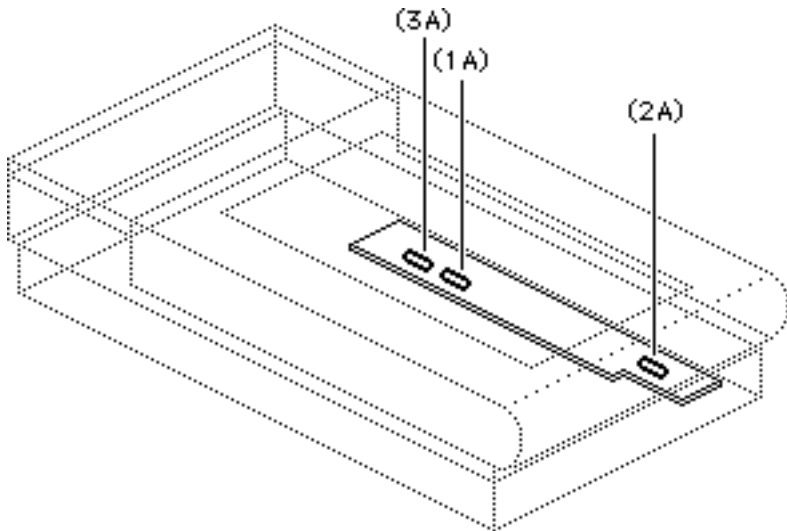


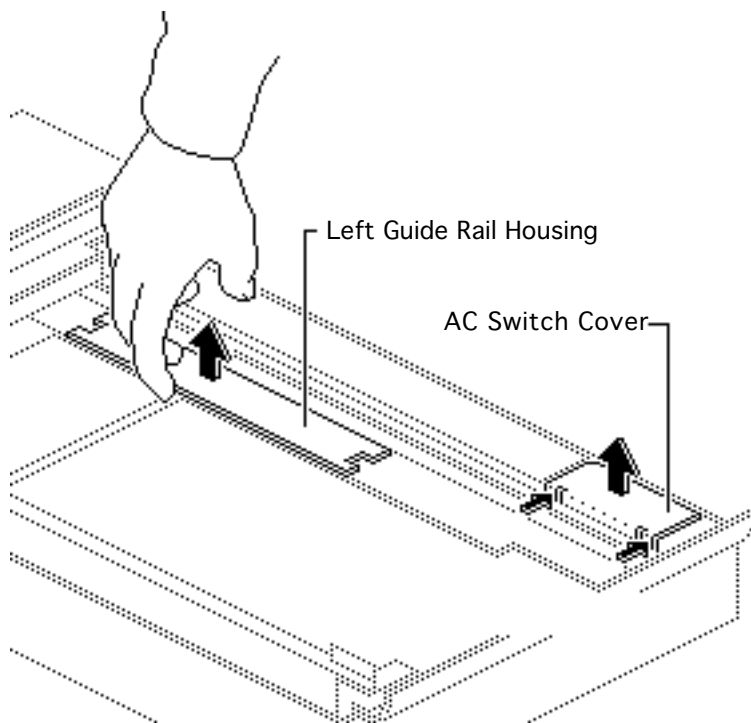


Power Supply Fuses

No preliminary steps are required before you begin this procedure.

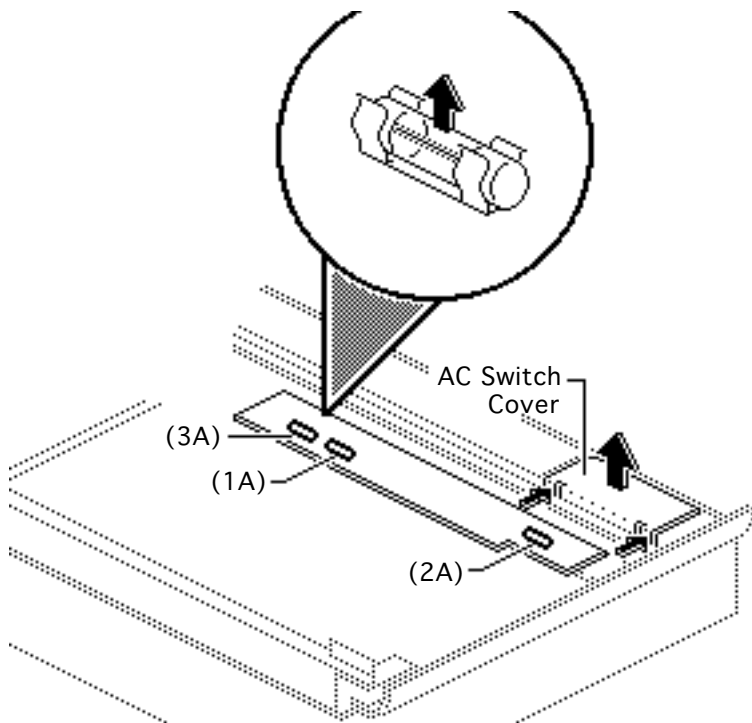
Caution: Review the ESD precautions in Bulletins/ Safety.





- 1 Lift the center of the left guide rail housing and remove it from the left guide rail.





- 2 Remove fuses 1A and 3A.
- 3 Push in the tabs and remove the AC switch cover.
- 4 Remove fuse 2A.

Replacement Caution:

Use a replacement fuse with the correct rating.





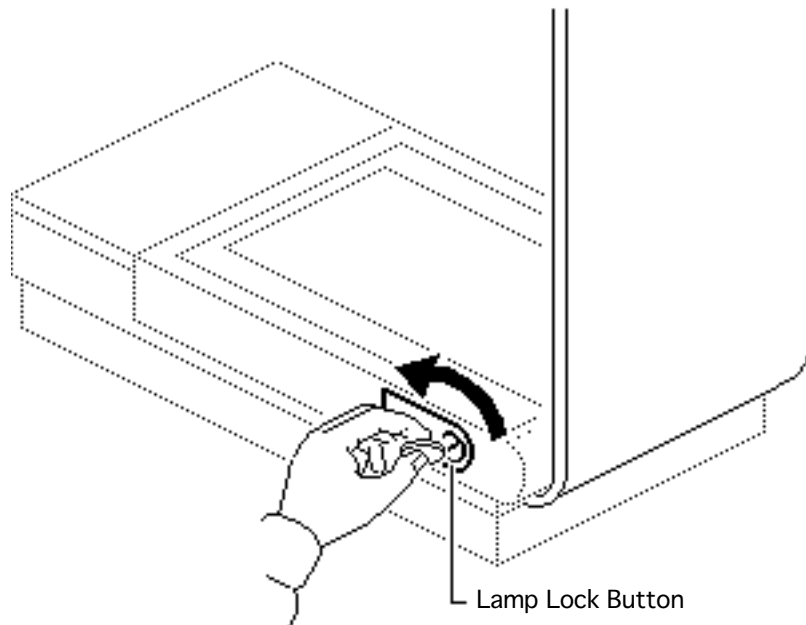
Lamp Replacement

No preliminary steps are required before you begin this procedure.

- 1 Lift the cover to the vertical position.

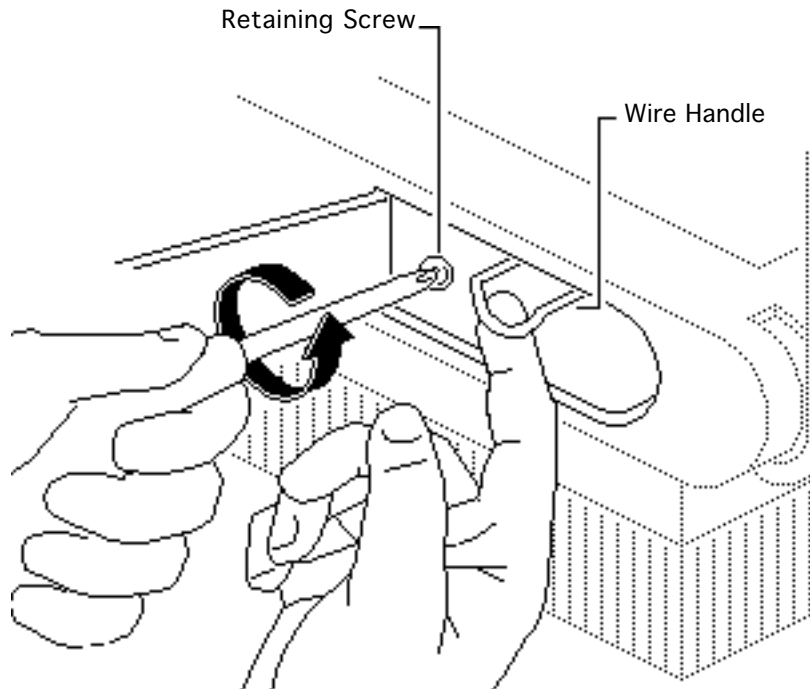
Note: To move the optical assembly to the home position, switch the scanner on and then off.

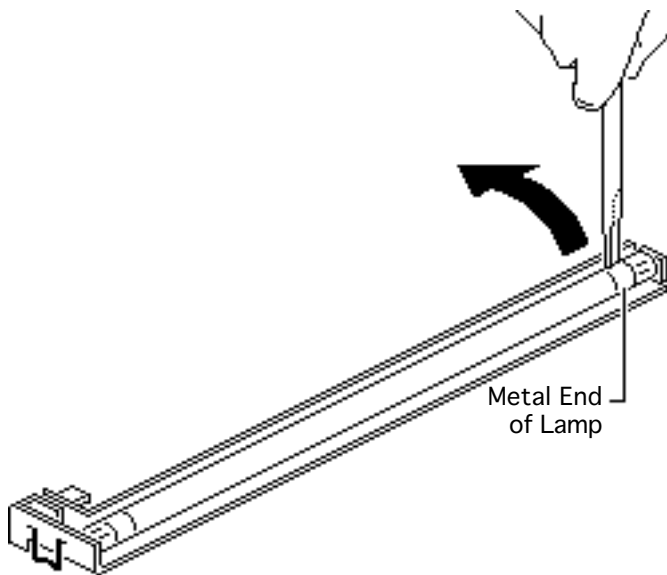
- 2 Using a coin or flat-blade screwdriver, unscrew the lamp lock button.





- 3 To remove the lamp assembly, pull on the wire handle and unscrew the retaining screw.

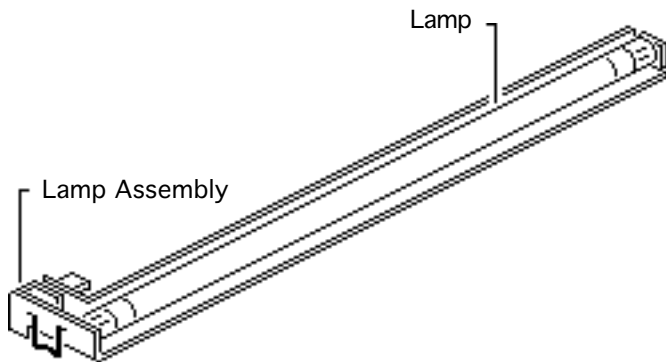




Warning: Do not pry the glass area of the lamp. The lamp could shatter.

- 4 Carefully pry one metal end of the lamp to disengage the lamp from the socket.
- 5 Pull the lamp from the other socket.



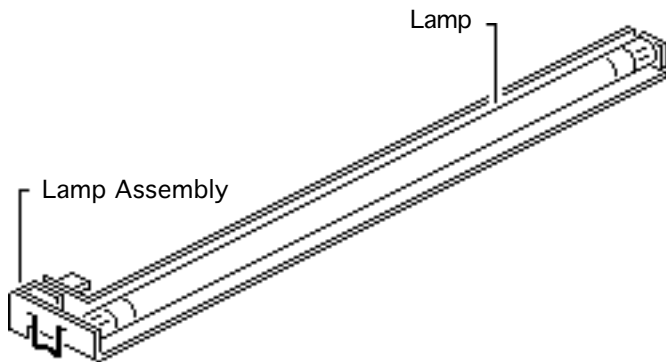


Replacement Note:

When replacing the lamp and lamp assembly, make sure that

- The lamp is free of fingerprints. Wipe it with a soft cloth prior to inserting it into the lamp assembly.
- The printing on the lamp faces the lamp assembly.
- The lamp assembly seats securely in the left retaining flanges.





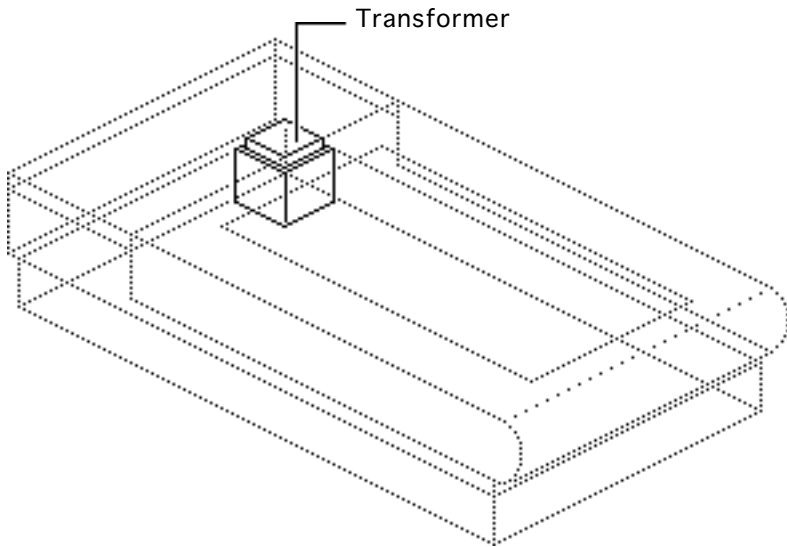
- The wire handle is in the down position before you close the lamp cover.
- The lamp lock button is tight. The button activates interlock switches.

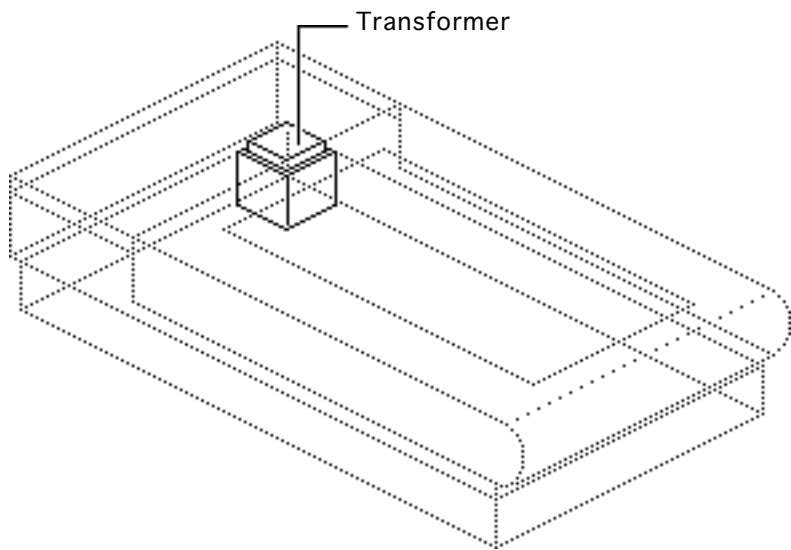


Voltage Conversion

Before you begin, remove the transformer.

Note: Do not remove the transformer bracket from the transformer.





To convert a 110 V scanner (without the universal voltage selector) to a universal model, remove the transformer and bracket plate assembly and install the universal model transformer and bracket plate assembly.

Replacement Note:
Before switching on scanner power, refer to “Selecting Voltage.”



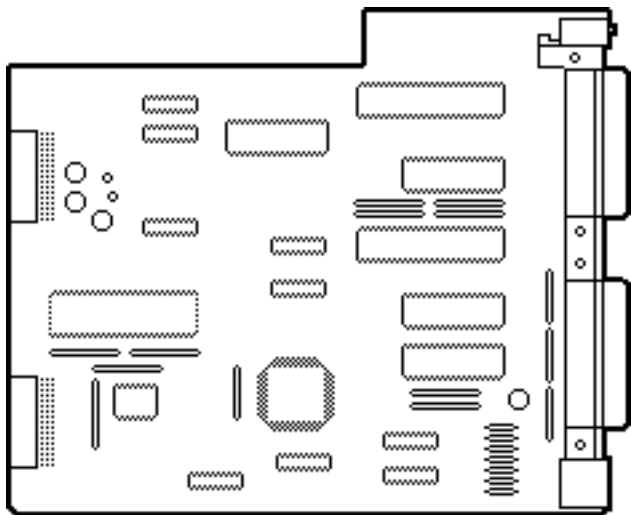


Logic Board Modification

Before you begin, remove the logic board.

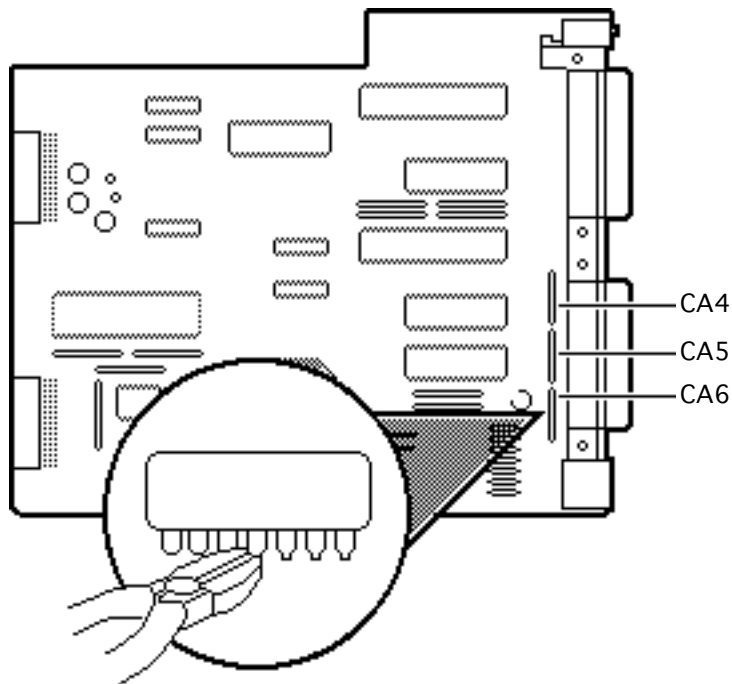
Caution: Review the ESD precautions in Bulletins/ Safety.

Note: Perform this procedure on the 4-bit scanner only. Return the 8-bit logic board (in its metal shield) to Apple for modifications.



4-Bit Logic Board





Caution: Do not touch other components on the logic board.

Using diagonal cutters, cut each lead of capacitors CA4, CA5, and CA6 just above the board surface and remove the capacitors.





Parts

Scanners



Apple SCSI Cable Terminator II (replaced by 590-0705)

590-0695





Apple SCSI Cable Terminator II, Black

590-0705





Bracket, Transformer, 100-240V (Universal)

948-0134



**Button Lamp Lock, 5/pk****076-0272**

The following parts are included in the Miscellaneous Hardware Kit for the Apple Scanner:

076-0277 - Screw, Pan Head 3 x 15 (10/pk)

076-0286 - Screw 2, Cover (10/pk)

076-0273 - Rubber Foot (10/pk)

076-0301 - Screw, Tapping 3 x 8 (10/pk)

076-0298 - Ribbon Cable Holder (5/pk)

076-0272 - Button Lamp Lock (5/pk)

076-0312 - Belt Tension Spring (10/pk)

076-0292 - Screw, Double Sems 3 x 10 (20/pk)

076-0313 - Carrier Stopper (10/pk)

076-0283 - Fuse, 2A, 250V-2.0A (10/pk)

076-0293 - Screw, Double Sems 3 x 6 (10/pk)

076-0284 - Fuse, 1A, 250V-1.0A (10/pk)

076-0285 - Fuse, 3A, 250V-3.0A (10/pk)

076-0294 - Screws, Sems 4 x 6 (10/pk)





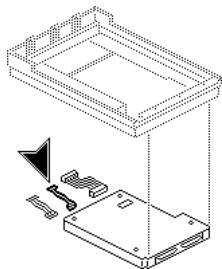
076-0325 - Screw, Double Sems 4 x 8 (10/pk)





Cable, Limit Switch Assy

936-0045





Cable, Optical Assembly/Main Logic Board, 8-bit

590-0525





Cable, Optical Assy/Main Logic Board, 4-bit

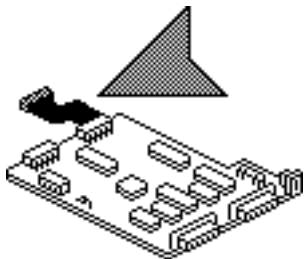
936-0043





Cable, Power Supply Board/Main Logic Board

936-0047





Cable, Power, AC, 110 V, Smoke

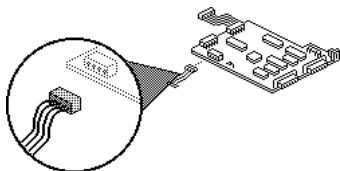
590-0380





Cable, Scan Switch Assy

936-0044





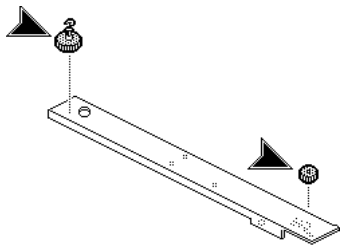
Cable, SCSI, Active Terminator

922-1185



Carrier Block, Gear/Pulleys, 5/pk

076-0290





Cover, AC Inlet

949-0214





Cover, Assy with Glass

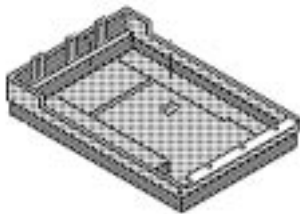
949-0206





Cover, Bottom Assy, 4-bit

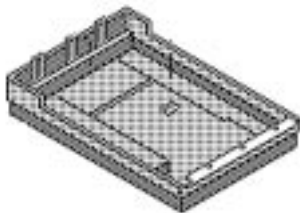
949-0208





Cover, Bottom Assy, 8-bit (w/o product ID label)

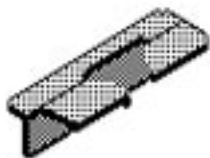
949-0315





Cover, CCD PCB

949-0211





Cover, Interior

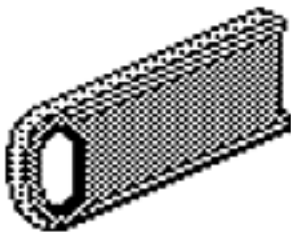
949-0226





Cover, Lamp, 5/pk

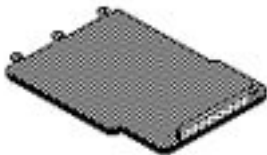
076-0314





Cover, Main Logic Board

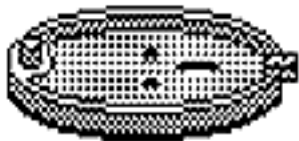
948-0037





Cover, Switch

949-0209





Cover, Top

949-0210





Drive Belt Assy

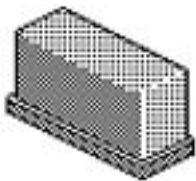
076-0323





Facilitation Warranty Reimbursement, Per Repair

011-0083

**Foot, Rubber, 10/pk****076-0273**

This part is included in the Miscellaneous Hardware Kit for the Apple Scanner, ImageWriter II and the ImageWriter LQ.

**Fuse, 1A, 250V - 1.0A, 10/pk****076-0284**

The following parts are included in the Miscellaneous Hardware Kit for the Apple Scanner:

076-0277 - Screw, Pan Head 3 x 15 (10/pk)

076-0286 - Screw 2, Cover (10/pk)

076-0273 - Rubber Foot (10/pk)

076-0301 - Screw, Tapping 3 x 8 (10/pk)

076-0298 - Ribbon Cable Holder (5/pk)

076-0272 - Button Lamp Lock (5/pk)

076-0312 - Belt Tension Spring (10/pk)

076-0292 - Screw, Double Sems 3 x 10 (20/pk)

076-0313 - Carrier Stopper (10/pk)

076-0283 - Fuse, 2A, 250V-2.0A (10/pk)

076-0293 - Screw, Double Sems 3 x 6 (10/pk)

076-0284 - Fuse, 1A, 250V-1.0A (10/pk)

076-0285 - Fuse, 3A, 250V-3.0A (10/pk)

076-0294 - Screws, Sems 4 x 6 (10/pk)





076-0325 - Screw, Double Sems 4 x 8 (10/pk)





Fuse, 1A, 250V - 1.0A, 10/pk

076-0284



The following parts are included in the Miscellaneous Hardware Kit for the Apple Scanner:

076-0277 - Screw, Pan Head 3 x 15 (10/pk)

076-0286 - Screw 2, Cover (10/pk)

076-0273 - Rubber Foot (10/pk)

076-0301 - Screw, Tapping 3 x 8 (10/pk)

076-0298 - Ribbon Cable Holder (5/pk)

076-0272 - Button Lamp Lock (5/pk)

076-0312 - Belt Tension Spring (10/pk)

076-0292 - Screw, Double Sems 3 x 10 (20/pk)

076-0313 - Carrier Stopper (10/pk)

076-0283 - Fuse, 2A, 250V-2.0A (10/pk)

076-0293 - Screw, Double Sems 3 x 6 (10/pk)

076-0284 - Fuse, 1A, 250V-1.0A (10/pk)

076-0285 - Fuse, 3A, 250V-3.0A (10/pk)

076-0294 - Screws, Sems 4 x 6 (10/pk)





076-0325 - Screw, Double Sems 4 x 8 (10/pk)



**Fuse, 250V, 2A, Pkg. of 10****922-0369**

For power supply board part number 661-0738 use fuse part number 922-0369.

For power supply board part number 661-0810 (International) use fuse part number for appropriate voltage setting:

- 100, 120, 140 V: use part number 922-0369
- 200-220 V: use part number 922-0370



Fuse, 2A, 250V - 2.0A, 10/pk

076-0283



The following parts are included in the Miscellaneous Hardware Kit for the Apple Scanner:

076-0277 - Screw, Pan Head 3 x 15 (10/pk)

076-0286 - Screw 2, Cover (10/pk)

076-0273 - Rubber Foot (10/pk)

076-0301 - Screw, Tapping 3 x 8 (10/pk)

076-0298 - Ribbon Cable Holder (5/pk)

076-0272 - Button Lamp Lock (5/pk)

076-0312 - Belt Tension Spring (10/pk)

076-0292 - Screw, Double Sems 3 x 10 (20/pk)

076-0313 - Carrier Stopper (10/pk)

076-0283 - Fuse, 2A, 250V-2.0A (10/pk)

076-0293 - Screw, Double Sems 3 x 6 (10/pk)

076-0284 - Fuse, 1A, 250V-1.0A (10/pk)

076-0285 - Fuse, 3A, 250V-3.0A (10/pk)

076-0294 - Screws, Sems 4 x 6 (10/pk)





076-0325 - Screw, Double Sems 4 x 8 (10/pk)





Fuse, 3A, 250V - 3.0A, 10/pk

076-0285



The following parts are included in the Miscellaneous Hardware Kit for the Apple Scanner:

076-0277 - Screw, Pan Head 3 x 15 (10/pk)

076-0286 - Screw 2, Cover (10/pk)

076-0273 - Rubber Foot (10/pk)

076-0301 - Screw, Tapping 3 x 8 (10/pk)

076-0298 - Ribbon Cable Holder (5/pk)

076-0272 - Button Lamp Lock (5/pk)

076-0312 - Belt Tension Spring (10/pk)

076-0292 - Screw, Double Sems 3 x 10 (20/pk)

076-0313 - Carrier Stopper (10/pk)

076-0283 - Fuse, 2A, 250V-2.0A (10/pk)

076-0293 - Screw, Double Sems 3 x 6 (10/pk)

076-0284 - Fuse, 1A, 250V-1.0A (10/pk)

076-0285 - Fuse, 3A, 250V-3.0A (10/pk)

076-0294 - Screws, Sems 4 x 6 (10/pk)





076-0325 - Screw, Double Sems 4 x 8 (10/pk)





Holder, Lamp

983-0008



**Holder, Ribbon Cable, 5/pk, 4-bit****076-0298**

The following parts are included in the Miscellaneous Hardware Kit for the Apple Scanner:

076-0277 - Screw, Pan Head 3 x 15 (10/pk)

076-0286 - Screw 2, Cover (10/pk)

076-0273 - Rubber Foot (10/pk)

076-0301 - Screw, Tapping 3 x 8 (10/pk)

076-0298 - Ribbon Cable Holder (5/pk)

076-0272 - Button Lamp Lock (5/pk)

076-0312 - Belt Tension Spring (10/pk)

076-0292 - Screw, Double Sems 3 x 10 (20/pk)

076-0313 - Carrier Stopper (10/pk)

076-0283 - Fuse, 2A, 250V-2.0A (10/pk)

076-0293 - Screw, Double Sems 3 x 6 (10/pk)

076-0284 - Fuse, 1A, 250V-1.0A (10/pk)

076-0285 - Fuse, 3A, 250V-3.0A (10/pk)

076-0294 - Screws, Sems 4 x 6 (10/pk)





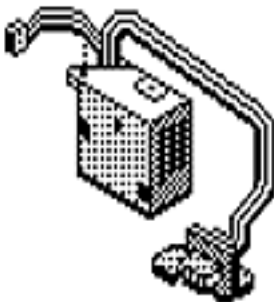
076-0325 - Screw, Double Sems 4 x 8 (10/pk)





Inverter Assembly

076-0280





Label, Bottom Assy, Product ID

825-1831





Lamp, 4 & 8 bit

938-0005

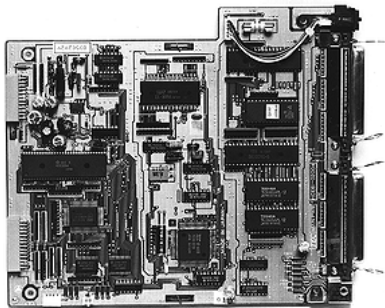




Lid Hinge Assy

076-0275



**Main Logic Board - Rev B, 4-bit****661-0534**

The absence of capacitors (CA 4, 5, 6) indicates that this is a Revision B Main Logic Board.





Main Logic Board Modification

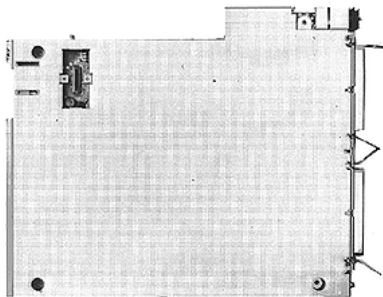
011-7106





Main Logic Board, 8-bit

661-0635



**Misc. Hardware Kit, Scanner****076-0289**

The following parts are included in the Miscellaneous Hardware Kit for the Apple Scanner:

076-0277 - Screw, Pan Head 3 x 15 (10/pk)

076-0286 - Screw 2, Cover (10/pk)

076-0273 - Rubber Foot (10/pk)

076-0301 - Screw, Tapping 3 x 8 (10/pk)

076-0298 - Ribbon Cable Holder (5/pk)

076-0272 - Button Lamp Lock (5/pk)

076-0312 - Belt Tension Spring (10/pk)

076-0292 - Screw, Double Sems 3 x 10 (20/pk)

076-0313 - Carrier Stopper (10/pk)

076-0283 - Fuse, 2A, 250V-2.0A (10/pk)

076-0293 - Screw, Double Sems 3 x 6 (10/pk)

076-0284 - Fuse, 1A, 250V-1.0A (10/pk)

076-0285 - Fuse, 3A, 250V-3.0A (10/pk)

076-0294 - Screws, Sems 4 x 6 (10/pk)





076-0325 - Screw, Double Sems 4 x 8 (10/pk)





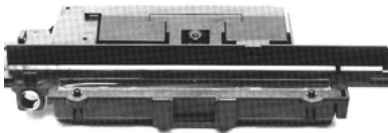
Motor Carrier Assy

959-0037



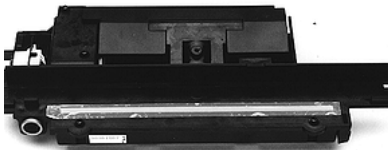
**Optical Assembly, 4-bit****661-0449**

Remove Inverter Assembly before returning the module to Apple.





Optical Assembly, 8-bit

661-0634

Remove the inverter assembly before returning the optical assembly to Apple.



PCB Assy, Start Scan

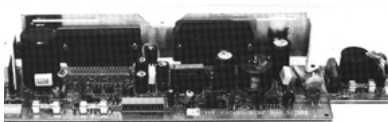
076-0278





Power Supply Board

661-0431



**Screw 2, Cover, 10/pk****076-0286**

The following parts are included in the Miscellaneous Hardware Kit for the Apple Scanner:

076-0277 - Screw, Pan Head 3 x 15 (10/pk)

076-0286 - Screw 2, Cover (10/pk)

076-0273 - Rubber Foot (10/pk)

076-0301 - Screw, Tapping 3 x 8 (10/pk)

076-0298 - Ribbon Cable Holder (5/pk)

076-0272 - Button Lamp Lock (5/pk)

076-0312 - Belt Tension Spring (10/pk)

076-0292 - Screw, Double Sems 3 x 10 (20/pk)

076-0313 - Carrier Stopper (10/pk)

076-0283 - Fuse, 2A, 250V-2.0A (10/pk)

076-0293 - Screw, Double Sems 3 x 6 (10/pk)

076-0284 - Fuse, 1A, 250V-1.0A (10/pk)

076-0285 - Fuse, 3A, 250V-3.0A (10/pk)

076-0294 - Screws, Sems 4 x 6 (10/pk)





076-0325 - Screw, Double Sems 4 x 8 (10/pk)



**Screw 2, Cover, 10/pk****076-0286**

The following parts are included in the Miscellaneous Hardware Kit for the Apple Scanner:

076-0277 - Screw, Pan Head 3 x 15 (10/pk)

076-0286 - Screw 2, Cover (10/pk)

076-0273 - Rubber Foot (10/pk)

076-0301 - Screw, Tapping 3 x 8 (10/pk)

076-0298 - Ribbon Cable Holder (5/pk)

076-0272 - Button Lamp Lock (5/pk)

076-0312 - Belt Tension Spring (10/pk)

076-0292 - Screw, Double Sems 3 x 10 (20/pk)

076-0313 - Carrier Stopper (10/pk)

076-0283 - Fuse, 2A, 250V-2.0A (10/pk)

076-0293 - Screw, Double Sems 3 x 6 (10/pk)

076-0284 - Fuse, 1A, 250V-1.0A (10/pk)

076-0285 - Fuse, 3A, 250V-3.0A (10/pk)

076-0294 - Screws, Sems 4 x 6 (10/pk)





076-0325 - Screw, Double Sems 4 x 8 (10/pk)



**Screw, Double Sems 3 x 6, 10/pk****076-0293**

This part is included in the Miscellaneous Hardware Kit for the Apple Scanner, ImageWriter II and the ImageWriter LQ.



**Screw, Double Sems 3x10, 20/pk****076-0292**

This part is included in the Miscellaneous Hardware Kit for the Apple Scanner, ImageWriter II and the ImageWriter LQ.



**Screw, Double Sems 4 x 8, 10/pk****076-0325**

This part is included in the Miscellaneous Hardware Kit for the Apple Scanner, ImageWriter II and the ImageWriter LQ.





Screw, Pn Hd, 3x15 Plat., 10/pk

076-0277

The following parts are included in the Miscellaneous Hardware Kit for the Apple Scanner:

076-0277 - Screw, Pan Head 3 x 15 (10/pk)

076-0286 - Screw 2, Cover (10/pk)

076-0273 - Rubber Foot (10/pk)

076-0301 - Screw, Tapping 3 x 8 (10/pk)

076-0298 - Ribbon Cable Holder (5/pk)

076-0272 - Button Lamp Lock (5/pk)

076-0312 - Belt Tension Spring (10/pk)

076-0292 - Screw, Double Sems 3 x 10 (20/pk)

076-0313 - Carrier Stopper (10/pk)

076-0283 - Fuse, 2A, 250V-2.0A (10/pk)

076-0293 - Screw, Double Sems 3 x 6 (10/pk)

076-0284 - Fuse, 1A, 250V-1.0A (10/pk)

076-0285 - Fuse, 3A, 250V-3.0A (10/pk)

076-0294 - Screws, Sems 4 x 6 (10/pk)





076-0325 - Screw, Double Sems 4 x 8 (10/pk)



**Screw, Sems 4 x 6, 10/pk****076-0294**

The following parts are included in the Miscellaneous Hardware Kit for the Apple Scanner:

076-0277 - Screw, Pan Head 3 x 15 (10/pk)

076-0286 - Screw 2, Cover (10/pk)

076-0273 - Rubber Foot (10/pk)

076-0301 - Screw, Tapping 3 x 8 (10/pk)

076-0298 - Ribbon Cable Holder (5/pk)

076-0272 - Button Lamp Lock (5/pk)

076-0312 - Belt Tension Spring (10/pk)

076-0292 - Screw, Double Sems 3 x 10 (20/pk)

076-0313 - Carrier Stopper (10/pk)

076-0283 - Fuse, 2A, 250V-2.0A (10/pk)

076-0293 - Screw, Double Sems 3 x 6 (10/pk)

076-0284 - Fuse, 1A, 250V-1.0A (10/pk)

076-0285 - Fuse, 3A, 250V-3.0A (10/pk)

076-0294 - Screws, Sems 4 x 6 (10/pk)





076-0325 - Screw, Double Sems 4 x 8 (10/pk)



**Screw, Tapping 3 x 8, 10/pk****076-0301**

The following parts are included in the Miscellaneous Hardware Kit for the Apple Scanner:

076-0277 - Screw, Pan Head 3 x 15 (10/pk)

076-0286 - Screw 2, Cover (10/pk)

076-0273 - Rubber Foot (10/pk)

076-0301 - Screw, Tapping 3 x 8 (10/pk)

076-0298 - Ribbon Cable Holder (5/pk)

076-0272 - Button Lamp Lock (5/pk)

076-0312 - Belt Tension Spring (10/pk)

076-0292 - Screw, Double Sems 3 x 10 (20/pk)

076-0313 - Carrier Stopper (10/pk)

076-0283 - Fuse, 2A, 250V-2.0A (10/pk)

076-0293 - Screw, Double Sems 3 x 6 (10/pk)

076-0284 - Fuse, 1A, 250V-1.0A (10/pk)

076-0285 - Fuse, 3A, 250V-3.0A (10/pk)

076-0294 - Screws, Sems 4 x 6 (10/pk)





076-0325 - Screw, Double Sems 4 x 8 (10/pk)

**Screw, Tapping 3 x 8, 10/pk****076-0301**

The following parts are included in the Miscellaneous Hardware Kit for the Apple Scanner:

076-0277 - Screw, Pan Head 3 x 15 (10/pk)

076-0286 - Screw 2, Cover (10/pk)

076-0273 - Rubber Foot (10/pk)

076-0301 - Screw, Tapping 3 x 8 (10/pk)

076-0298 - Ribbon Cable Holder (5/pk)

076-0272 - Button Lamp Lock (5/pk)

076-0312 - Belt Tension Spring (10/pk)

076-0292 - Screw, Double Sems 3 x 10 (20/pk)

076-0313 - Carrier Stopper (10/pk)

076-0283 - Fuse, 2A, 250V-2.0A (10/pk)

076-0293 - Screw, Double Sems 3 x 6 (10/pk)

076-0284 - Fuse, 1A, 250V-1.0A (10/pk)

076-0285 - Fuse, 3A, 250V-3.0A (10/pk)

076-0294 - Screws, Sems 4 x 6 (10/pk)





076-0325 - Screw, Double Sems 4 x 8 (10/pk)





Shaft Carrier

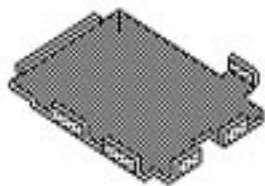
699-0514





Shield, Main Logic Board, 4-bit

948-0128



**Spring, Belt Tension, 10/pk****076-0312**

The following parts are included in the Miscellaneous Hardware Kit for the Apple Scanner:

076-0277 - Screw, Pan Head 3 x 15 (10/pk)

076-0286 - Screw 2, Cover (10/pk)

076-0273 - Rubber Foot (10/pk)

076-0301 - Screw, Tapping 3 x 8 (10/pk)

076-0298 - Ribbon Cable Holder (5/pk)

076-0272 - Button Lamp Lock (5/pk)

076-0312 - Belt Tension Spring (10/pk)

076-0292 - Screw, Double Sems 3 x 10 (20/pk)

076-0313 - Carrier Stopper (10/pk)

076-0283 - Fuse, 2A, 250V-2.0A (10/pk)

076-0293 - Screw, Double Sems 3 x 6 (10/pk)

076-0284 - Fuse, 1A, 250V-1.0A (10/pk)

076-0285 - Fuse, 3A, 250V-3.0A (10/pk)

076-0294 - Screws, Sems 4 x 6 (10/pk)





076-0325 - Screw, Double Sems 4 x 8 (10/pk)





Spring, Slide, 10/pk

076-0322



**Stopper, Carrier, 10/pk****076-0313**

The following parts are included in the Miscellaneous Hardware Kit for the Apple Scanner:

076-0277 - Screw, Pan Head 3 x 15 (10/pk)

076-0286 - Screw 2, Cover (10/pk)

076-0273 - Rubber Foot (10/pk)

076-0301 - Screw, Tapping 3 x 8 (10/pk)

076-0298 - Ribbon Cable Holder (5/pk)

076-0272 - Button Lamp Lock (5/pk)

076-0312 - Belt Tension Spring (10/pk)

076-0292 - Screw, Double Sems 3 x 10 (20/pk)

076-0313 - Carrier Stopper (10/pk)

076-0283 - Fuse, 2A, 250V-2.0A (10/pk)

076-0293 - Screw, Double Sems 3 x 6 (10/pk)

076-0284 - Fuse, 1A, 250V-1.0A (10/pk)

076-0285 - Fuse, 3A, 250V-3.0A (10/pk)

076-0294 - Screws, Sems 4 x 6 (10/pk)





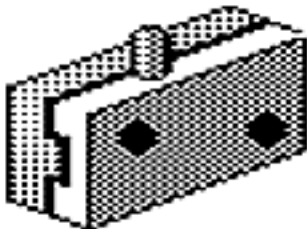
076-0325 - Screw, Double Sems 4 x 8 (10/pk)





Switch, Cover Interlock, 110V

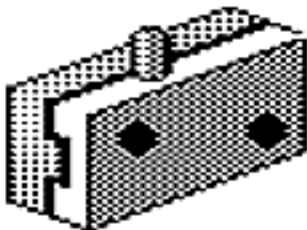
076-0300





Switch, Cover Interlock, 220/240V

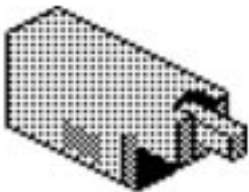
076-0315





Switch, Limit Assy

076-0291





Switch, On/Off

937-0032





System Cable (CPU to SCSI Device)

658-8031





Transformer Assy, 100-240V

915-0039





Transformer Assy, 110V

915-0038





Exploded View

Apple Scanners

