

Memory Replacement Instructions

Follow the instructions in this sheet carefully. Failure to follow these instructions could damage your equipment and void its warranty.

Note: Written and video instructions covering customer-installable parts are available at <http://www.info.apple.com/installparts/>.

Tools Required

- #2 Phillips screwdriver

Opening the User Access Door

1. Save all open documents and quit all open applications.
2. Turn the computer off by choosing Shut Down from the Special menu (if using Mac OS 9), or choose Shut Down from the Apple menu (if using OS X).
3. Unplug all cables, except the power cord, from the computer. (Figure 1)
Warning: If the internal modem is connected to a telephone line, disconnect the telephone line from the internal modem port before you open the user access door. This prevents electric shock.

Figure 1



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4. Place a soft towel or cloth on the desk or surface. Position the computer so the screen is facing down on the cloth.
 5. Use a Phillips screwdriver to remove the screw on the user access door. Set the user access door aside. (Figure 2)

Figure 2



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6. **Important:** To avoid electrostatic discharge, always ground yourself by touching metal before you touch any parts or install components inside the computer. To avoid generating static electricity, do not walk around the room until you have finished installing the memory and closed the computer.

Touch the metal surface on the back of the computer. (Figure 3) This helps protect the computer from damage caused by electrostatic discharge.

Figure 3

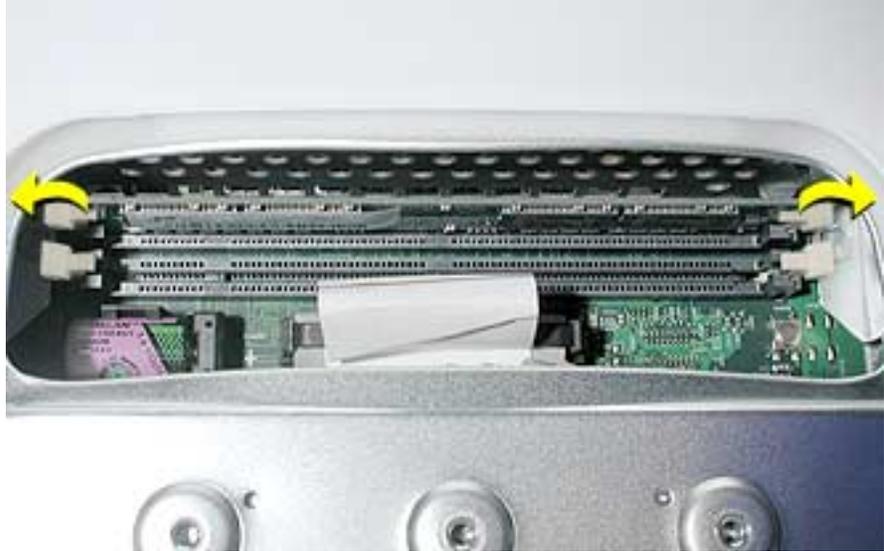


7. Unplug the power cord.

Removing the Installed Memory

1. Push down the ejectors on the slot of the memory module you want to replace. (Figure 4)

Figure 4



2. Holding the memory by both top corners, pull it straight out of the computer.

Installing Memory

RAM Expansion Module Specifications

The RAM expansion modules used in the eMac and eMac (ATI Graphics) computers are 168-pin SDRAM DIMMs (dual inline memory modules) that are 3.3 V, unbuffered, 8-byte, non-parity, PC-133 compliant.

The RAM expansion modules used in the eMac (USB 2.0) computers are 184-pin SDRAM DIMMs (dual inline memory modules) that are 2.5 V, unbuffered, 8-byte, non-parity, and PC2700 compliant. The speed of the SDRAM devices must be rated at 167 MHz (7 ns) or faster.

Important: The memory expansion cards (DIMMs) must use SDRAM devices as specified above. DIMMs for previous models of eMac or DIMMs that use EDO or SGRAM devices will not work. If they are installed, the computer will beep, and the power light will flash several times when you turn on the computer. This indicates that the computer cannot find any useable RAM.

Procedure

1. Remove the replacement memory from its static-proof bag, taking care not to touch the connectors or chips.
2. Push down the ejectors on the slot of the memory module you want to install or replace memory. (Figure 5)

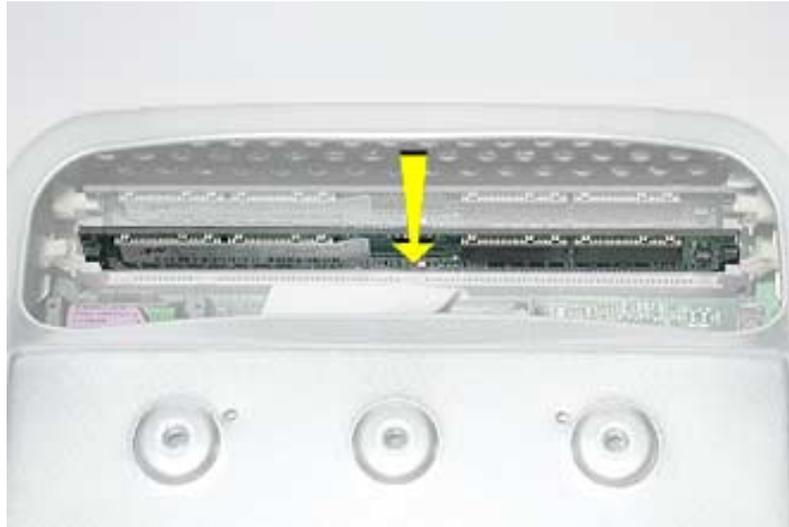
Figure 5



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3. Align the replacement memory module in the memory slot, apply pressure evenly to both top corners, and push the memory into the slot until the ejectors lock it into place. (Figure 6)

Warning: The memory is designed to fit into the slot only one way. Be sure to align the notches in the memory module with the small ribs inside the slot.

Figure 6



Closing the User Access Door

1. Replace the screw on the user access panel. (Figure 7)

Figure 7



2. Carefully turn the computer right side up.
3. Reconnect the power cable. **Important:** When connecting the power cord, first plug the cord into your eMac, then plug the other end into an electrical outlet or power strip.
4. Press the power button to restart your computer.

Warning: Never turn on the computer unless all of its internal and external parts are in place and it is closed. Operating the computer when it is open or missing parts can damage your computer or cause injury.

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