

Memory Replacement Instructions

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

Note: Online instructions are available at <http://www.info.apple.com/installparts/>.

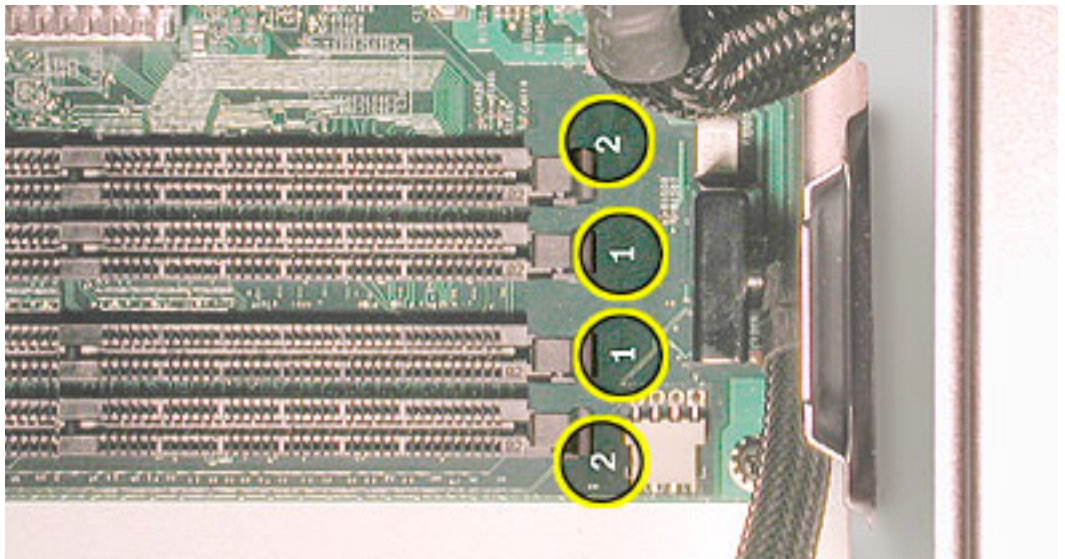
Tools Required

No tools are required for this procedure.

About Power Mac G5 Memory

Power Mac G5 (Late 2004) computers have four Dual Inline Memory Module (DIMM) slots. Each slot accepts 400 Mhz Double-Data-Rate (DDR) Synchronous Dynamic Random-Access Memory (SDRAM) devices.

The computers ship with a minimum of 256 MB of RAM, provided by a pair of 128 MB DIMMs installed in the two DIMM slots marked “1.” You can add DIMMs, provided they are installed as a pair of equal size, in the two DIMM slots marked “2.” A diagram on the logic board near the DIMM slots illustrates how the pairs must be installed.



DIMMs must fit these specifications:

- 400 MHz DDR
- 2.5 volt
- 184-pin module
- Maximum number of memory devices on DDR SDRAM:16.
- Nonparity
- No error correcting codes (ECC)
- Unbuffered (registered or buffered DDR SDRAM cannot be used)

Important: Always install DIMMs in pairs of equal size. Memory from older Macintosh computers is not compatible with the Power Mac G5. Do not use older memory, even if it fits into the DIMM slots.

Opening the Computer

1. Shut down the computer.

Warning: Always shut down the computer before opening it to avoid damaging its internal components or the components you are installing. Do not open the computer or attempt to install items inside it while it is on.

2. Wait 5 to 10 minutes to allow the computer's internal components to cool.

Warning: After you shut down the system, the internal components can be very hot. You must let the computer cool down before continuing.

3. Unplug all external cables from the computer except the power cord.
4. Touch the metal PCI access covers on the back of the computer to discharge any static electricity from your body. **(Figure 1)**

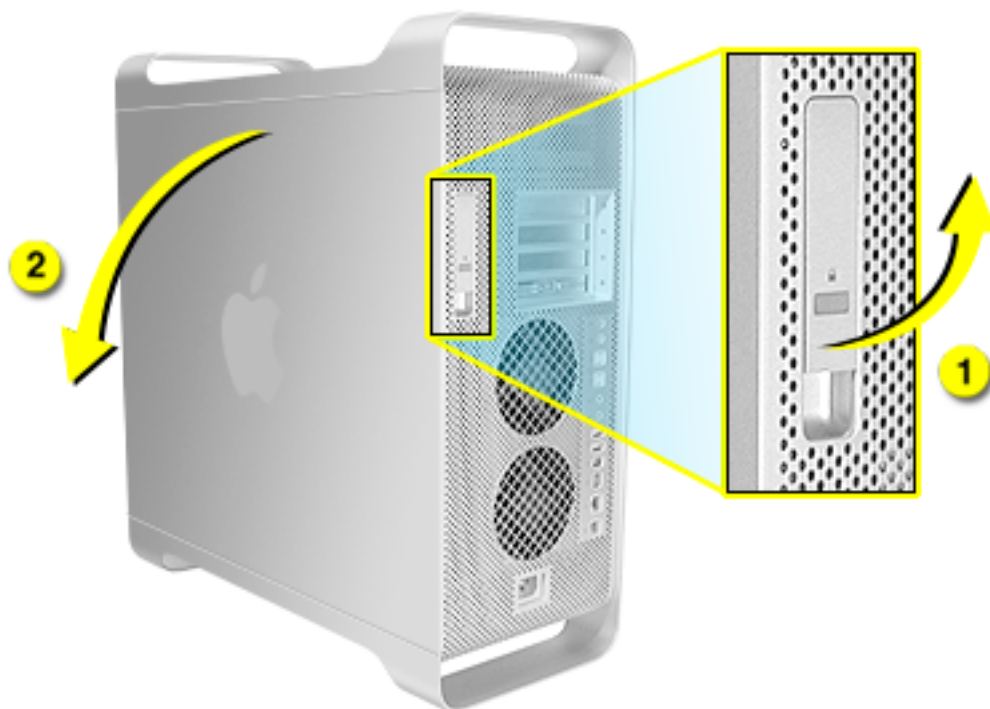
Important: Always discharge static before you touch any parts or install any components inside the computer. To avoid generating static electricity, do not walk around the room until you have finished working and closed the computer.

Figure 1



5. Unplug the power cord.
6. Hold the side access panel and lift the latch on the back of the computer. **(Figure 2)**
Warning: The edges of the access panel and the enclosure can be sharp. Be very careful when handling them.
7. Remove the access panel and place it on a flat surface covered by a soft, clean cloth.

Figure 2



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8. Remove the air deflector and place it on a soft, clean cloth. **(Figure 3)**

Figure 3



Important: Always remember to replace the air deflector after you have finished working inside your computer. The Power Mac G5 computer will not function properly if the air deflector is not replaced.

Removing the Installed Memory

1. Locate the DIMM slots on the logic board. (Figure 4)

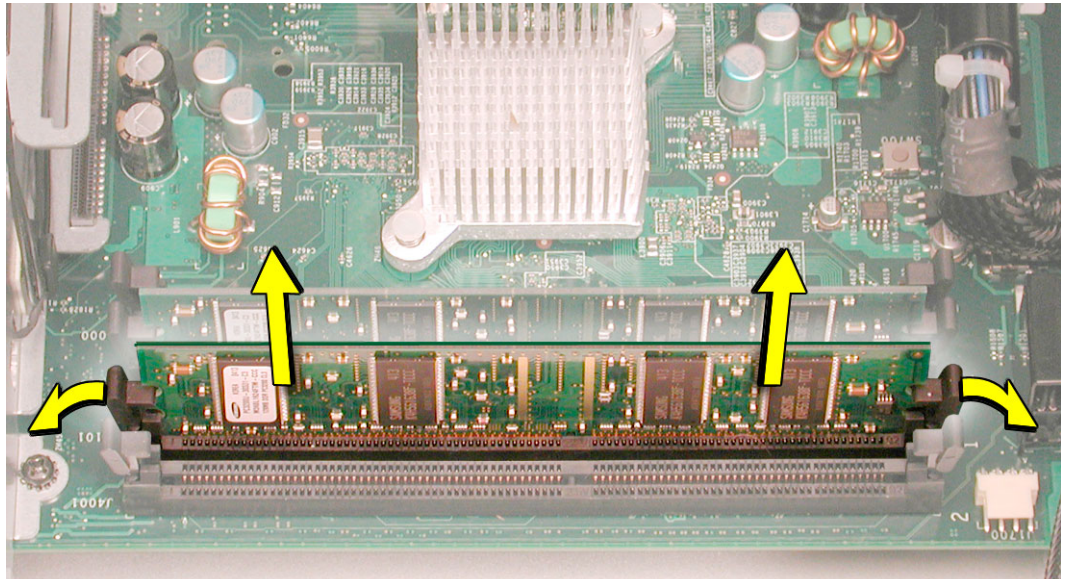
Figure 4



2. Carefully lay the computer on its side so that the open side faces up.

3. Open the ejectors on the DIMM slot by pushing them out to the sides. **(Figure 5)**
4. Holding the DIMM by both top corners, lift it straight up out of the computer.

Figure 5

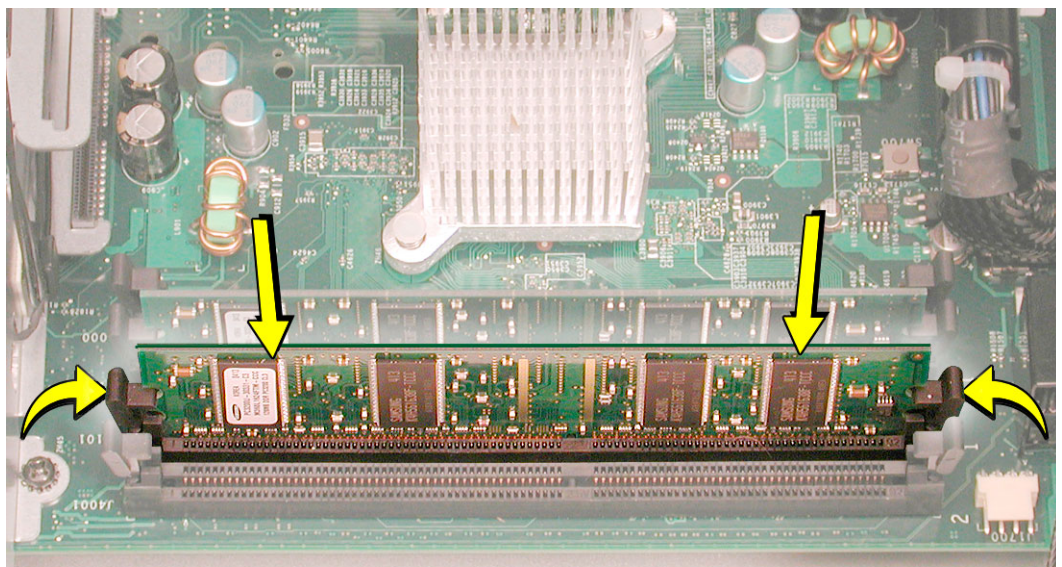


Installing the Replacement Memory

Align the DIMM in the slot and push both ends of the DIMM down until the tabs are vertical and the ejectors snap into place. **(Figure 6)**

Important: Do not touch the DIMM connectors. Handle the DIMM only by the edges.

Figure 6



Closing the Computer

1. Replace the air deflector by inserting the three tabs on the bottom edge of the deflector into the three slots in the bottom frame of the enclosure. Then swing the deflector up flush against the top frame.

Important: Make sure you re-install the air deflector before replacing the access panel. If the air deflector is not installed, the computer will not function properly.

2. Replace the access panel.

Note: Make sure the latch is in the up position before replacing the access panel. If the latch is down, the access panel will not seat correctly in the enclosure.

3. Push the latch down to close and secure the access panel.

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 it or cause injury.

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