# Front Panel Board
# 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 covering customer-installable parts are available at http://www.info.apple.com/installparts/.

## Tools Required

No tools are required for this procedure. You may, however, find a Phillips screwdriver useful in releasing the thumbscrews at the front of the server.

## Opening the Server

The server slides open from the front of the rack. The top cover remains in place in the rack while the bottom housing (containing all internal components) should be placed on a sturdy, flat surface.

1.  Alert users that the server will be unavailable for a period of time.

2.  Shut down the server.

    **Warning: To avoid damaging internal components or causing injury, always shut down the server before opening it. After you shut down the server, internal components can be very hot. Let the server cool down before continuing.**

3.  Write down the server's serial number, which is located on the back panel. If it is necessary to set up the server's software after you replace the front panel board, you will be asked for the serial number at login.

4.  If the server is in the locked position (the yellow security LED on the front panel is on), use the Allen key that came with the server to unlock it.

5.  If the cable management arm is not in use, unplug all external cables except the power cord.

6.  Touch the server's metal case to discharge any static electricity.

    **Important:** Always ground yourself by touching the server's case before you touch any parts or install any components inside the server. To avoid static electricity building back up in your body, do not walk around the room until you have completed your work and closed the computer.
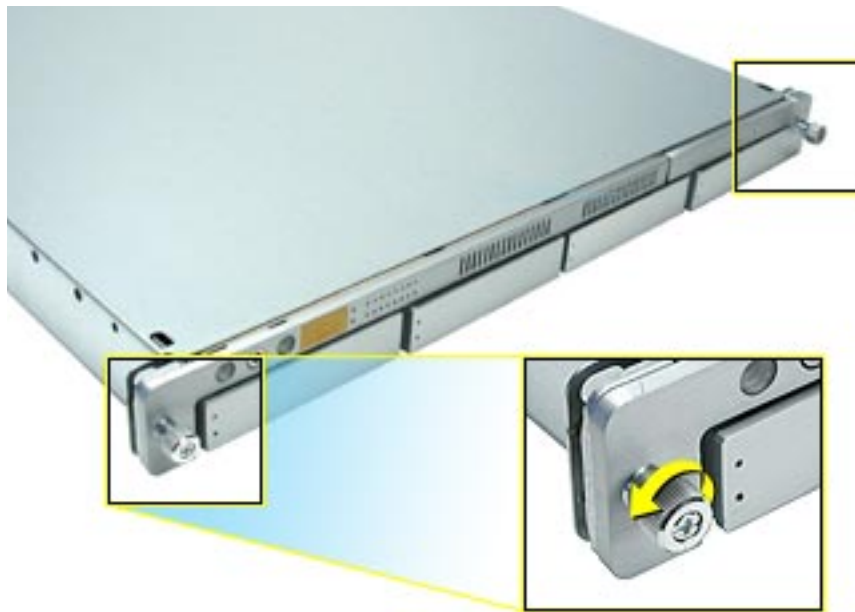
7.  Unplug the power cord.

**Warning: The power supply in the server is a high-voltage component and should not be opened for any reason, even when the server is off.**

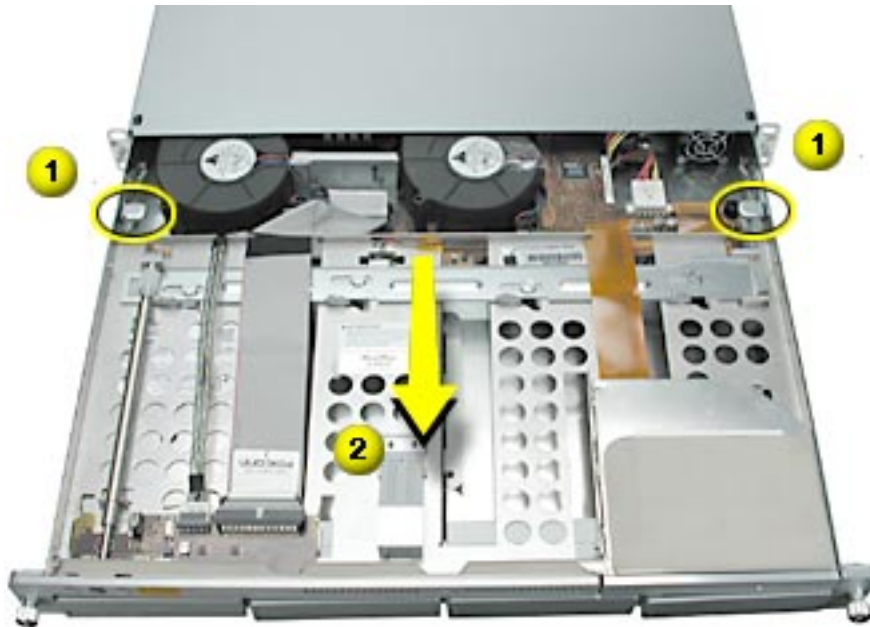8.  Release the two thumbscrews at the front of the server. **(Figure 1)**

    **Note:** The thumbscrews are captive and do not separate from the bottom housing.

**Figure 1**

9.  Grasp the thumbscrews and slide the bottom housing forward part way to expose the two chassis levers. **(Figure 2)**

10. While depressing both levers, pull the bottom housing all the way forward and remove it from the rack.

**Figure 2**



11. Place the bottom housing on a sturdy, flat surface and ESD mat.

12. Put on the ESD wrist strap.
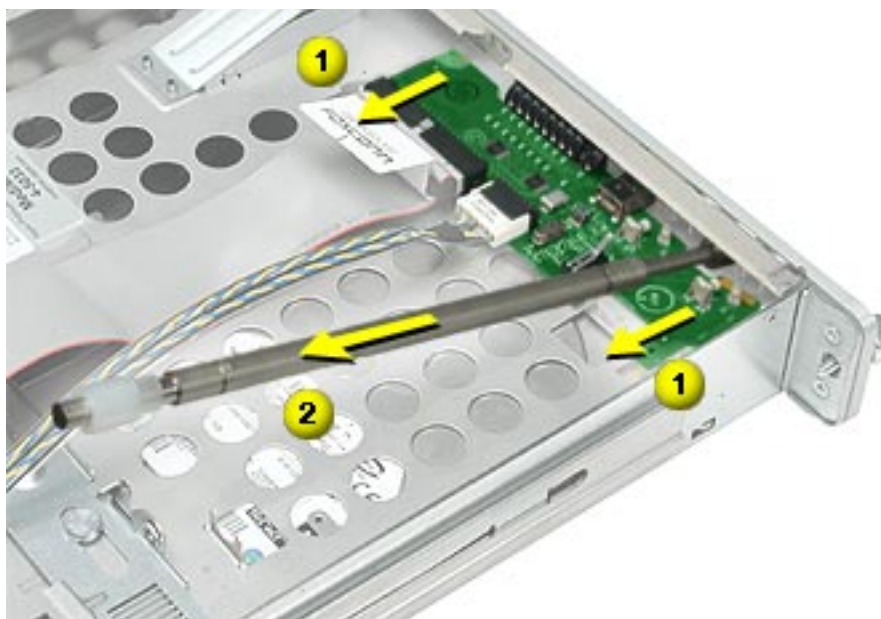
## Removing the Installed Front Panel Board

1. Pull back the latch to release the ribbed end of the locking mechanism rod. **(Figure 3)**
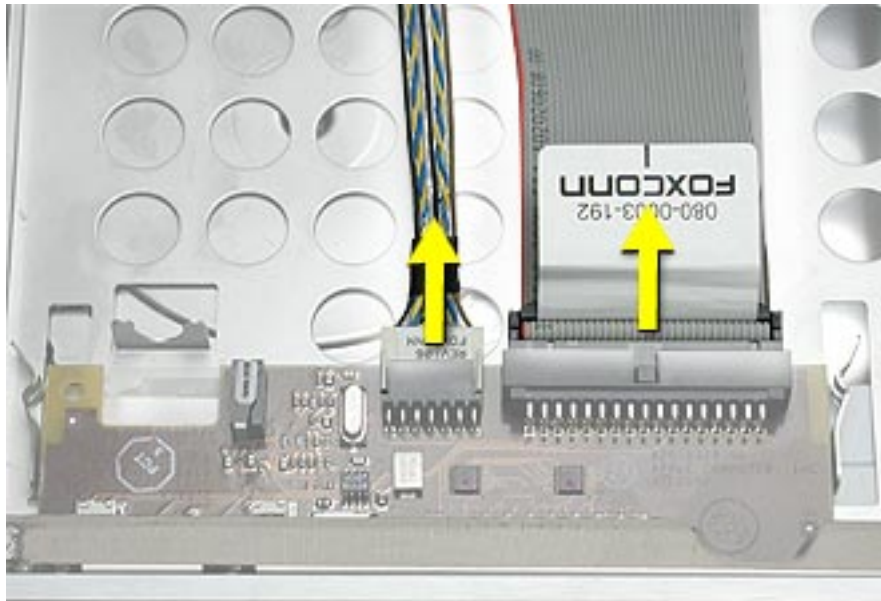
**Figure 3**



2. Release the two clips on the sides of the front panel board, and pull the board back slightly from the front of the server. **(Figure 4)**

3. Tilt up the ribbed end of the locking mechanism rod and remove the rod from the server.

**Figure 4**

4. Disconnect the FireWire and front panel board cables from the board. **(Figure 5)**

5. Lift the board out of the server.

**Figure 5**



## Installing the Replacement Front Panel Board

1. Connect the FireWire and front panel board cables to the replacement front panel board.

2. Install the front panel board in the server, and secure the two clips on the sides of the board.

3. Re-install the locking mechanism rod, making sure the first rib in the nylon roller engages with the first slot in the plate below it. **(Figure 6)**

**Figure 6**

## Closing the Server

1. Carefully slide the bottom housing back into the rack.

2. Tighten the front thumbscrews to secure it.

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