

# Power Distribution Board Cable Replacement Instructions

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

Online instructions are available at <http://www.apple.com/support/diy/>.

## Working Safely Inside the Xserve

Always touch the Xserve enclosure to discharge static electricity before you touch any components inside the Xserve. To avoid generating static electricity, do not walk around the room until you have finished working inside the server and have replaced the cover. To minimize the possibility of damage due to static discharge, wear an antistatic wrist strap while you work inside the Xserve.

**Warning: Always shut down the Xserve and disconnect the power cords before opening it to avoid damaging its internal components or the components you are installing. Don't open the server while it is turned on. Even after you shut down the Xserve, its internal components can be very hot. Let it cool before you open it.**

## Tools Required

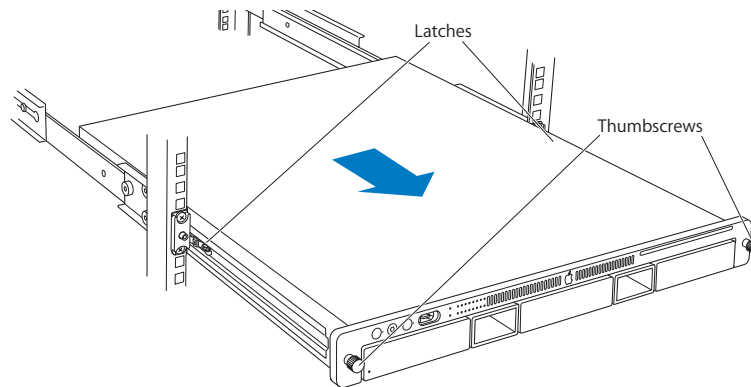
No tools are required for this procedure. You may, however, find a small flatblade screwdriver useful in releasing the cable connector.

## Removing the Xserve from a Rack

1. Alert users that the server will be unavailable for a period of time.
2. Shut down the Xserve (see the Xserve User's Guide for help) and then wait to let the Xserve internal components cool.

**Warning: Always shut down the Xserve before opening it to avoid damaging its internal components or the components you want to install or remove. Don't open the Xserve or try to install or remove items inside while it is turned on. Even after you shut down the Xserve, its internal components can be very hot. Let it cool down for 5 to 10 minutes before you open it.**

3. Unplug all cables from the Xserve.  
**Note:** If you have trouble releasing a cable from the back panel, try using a small screwdriver or other flat tool to depress the tab on the cable connector.
4. To avoid inadvertently unlatching a drive module during handling, use the enclosure key to lock the enclosure lock on the front panel.
5. Touch the server's metal case to discharge any static electricity.
6. Loosen the thumbscrews at both ends of the front panel.
7. Grasp the thumbscrews and pull the Xserve forward until the safety latches engage (about halfway out of the rack).



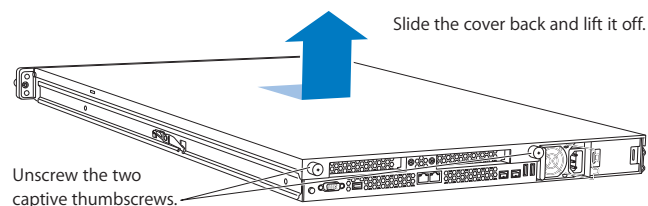
8. When the safety latches engage, grip the Xserve where it emerges from the rack, press down on the latch tabs with your thumbs, and slide the Xserve the rest of the way out of the rack.
9. Set the Xserve on a flat surface and unlock it.

## Opening the Xserve

Loosen the thumbscrews at the back of the top cover and slide the cover back and up to remove it. If you have difficulty removing the cover, check the enclosure lock on the front panel.

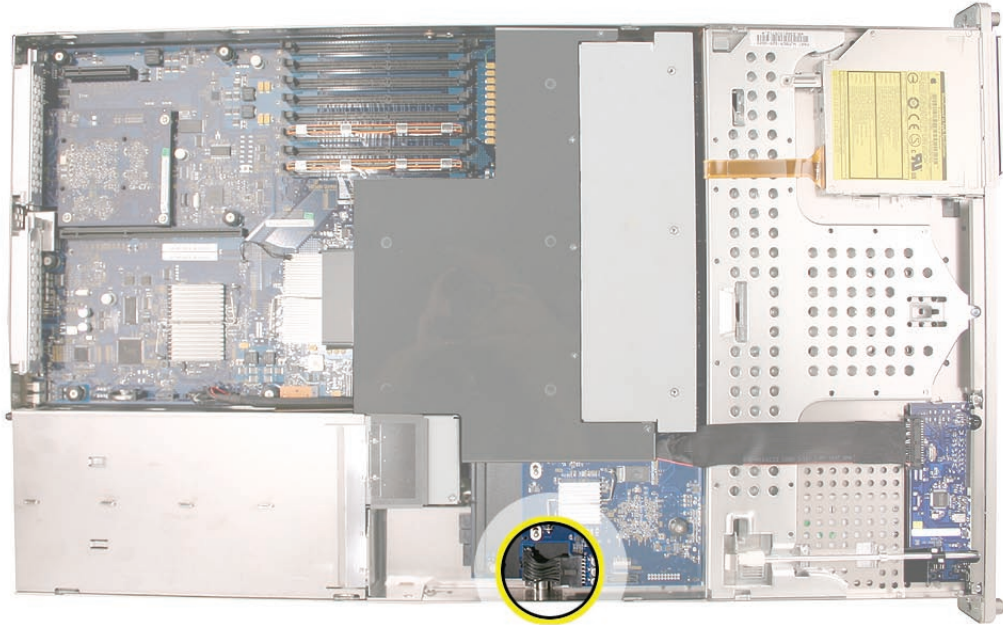
**Warning:** Even after you shut down the Xserve, its internal components can be very hot. Let it cool before you open it.

**Important:** To minimize the possibility of damage to Xserve components due to static discharge, wear an antistatic wrist strap, if possible, while you work inside the Xserve.

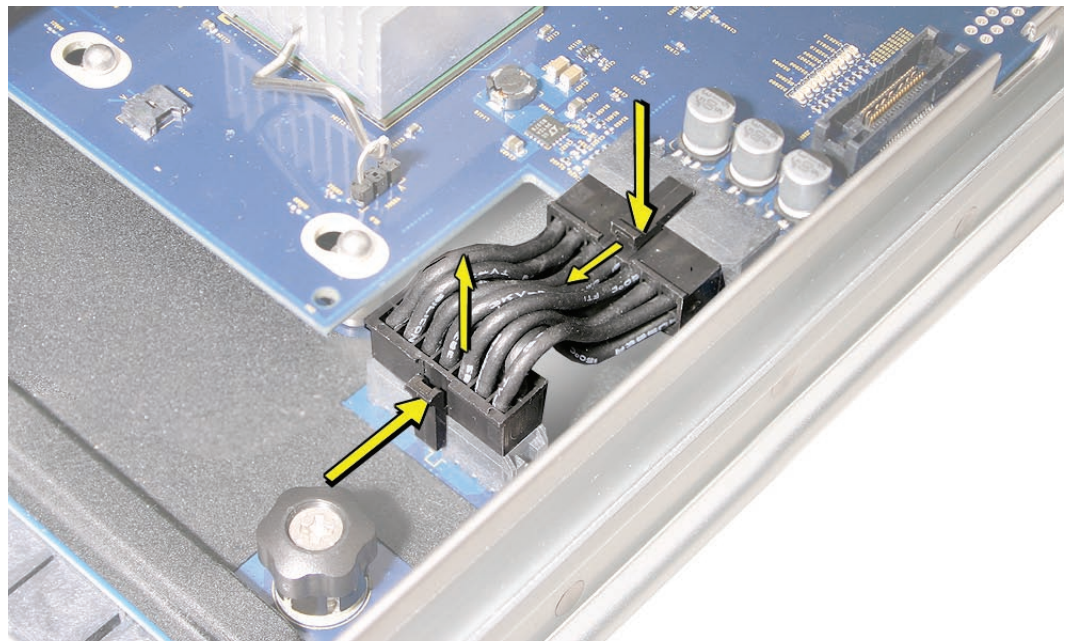


## Removing the Installed Power Distribution Board Cable

1. Locate the power distribution board cable.



2. Disconnect the power distribution board cable from its connector on the drive interconnect backplane.
3. Disconnect the power distribution board cable from the power distribution board and remove the cable from the Xserve.



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**Caution:** The power distribution board cable connectors are tight and can be difficult to disconnect. You may want to use small flatblade screwdriver to gently yet firmly pry outwards on the cable connector while depressing the cable connector latch with your thumb and forefinger to separate the connectors.

## Installing the Replacement Power Distribution Board Cable

Connect the replacement power distribution board cable to its connectors on the drive interconnect backplane and the power distribution board.

## Closing the Xserve

1. Replace and secure the cover.
2. Slide the Xserve back into the rack, and tighten the front thumbscrews to secure the Xserve in the rack.
3. If the server case was locked, use the enclosure key to lock the security lock on the front panel.

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