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# Optical Drive 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/>.

**Note:** These instructions apply to the optical drive of different Xserve models. Your server may look slightly different than the one shown in the images.

## 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.

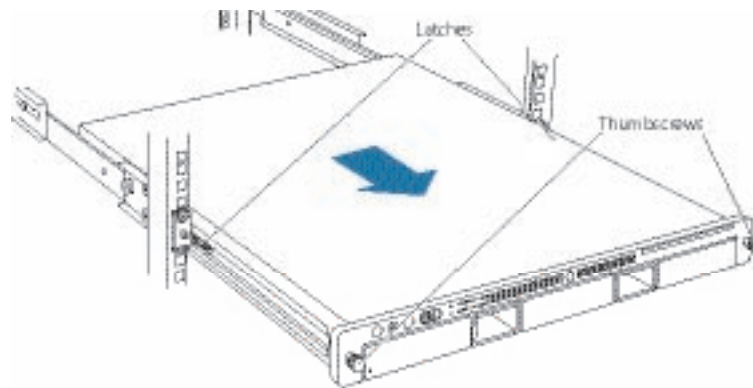
## Tools Required

The only tool required for this procedure is a jeweler's Phillips (#0) screwdriver.

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## 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).



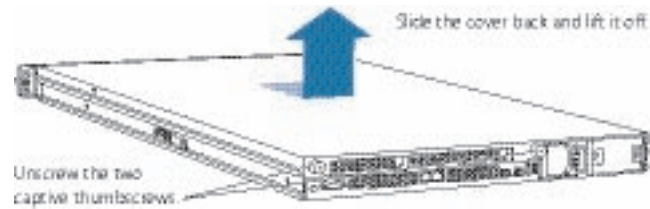
8. When the safety latches engage, grip the Xserve where it emerges from the rack, press down on the latch tabs with your thumbs, and slide the Xserve the rest of the way out of the rack.
9. Set the Xserve on a flat surface and unlock it.

## 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 Optical Drive

1. Disconnect the optical drive cable from the optical drive.
2. Rotate the optical drive clip clockwise to release it.
3. Placing your thumbs on the tab on either side of the drive, carefully slide the drive back from the front bezel.

**Important:** When removing or replacing the optical drive, be careful not to put pressure on top of the drive or front bezel that covers the optical drive slot.



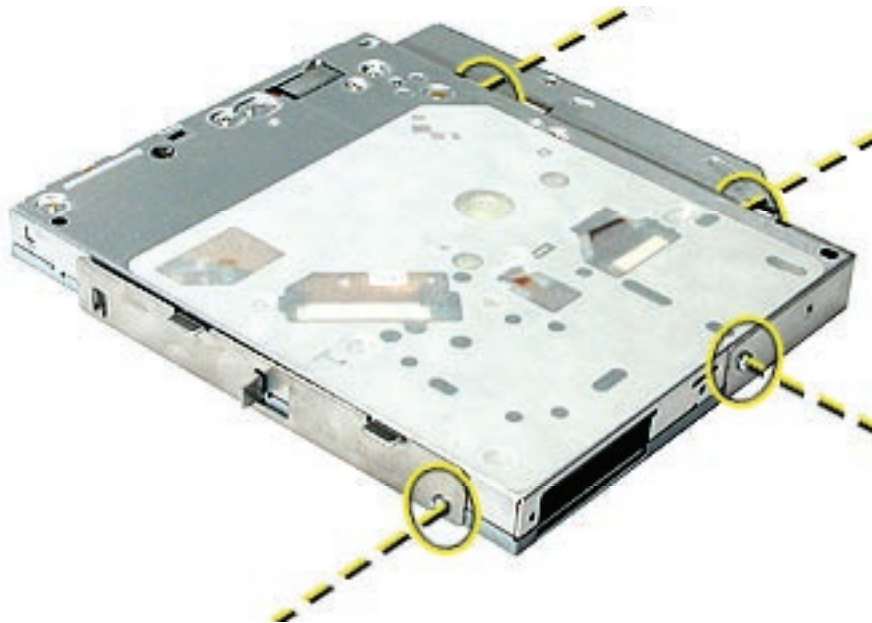
4. Lift the drive out of the server.

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## Installing the Replacement Optical Drive

Note: Before installing the replacement optical drive, you must transfer the side brackets and the screws from the original drive to the replacement drive.

1. Remove the mounting screw for the left bracket and transfer the bracket to the replacement drive, using the same screw to secure it.
2. Remove the three mounting screws for the right bracket and transfer the bracket to the replacement drive, again using the same screws to secure it.



3. Slide the replacement drive into the server, making sure the tabs on the bottom edges of the drive brackets engage with the slots in the drive bay.
4. Rotate the optical drive clip counterclockwise until it snaps into place against the end of the drive.
5. Reconnect the optical drive cable to the drive.

## Closing the Server

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.

**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.**

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