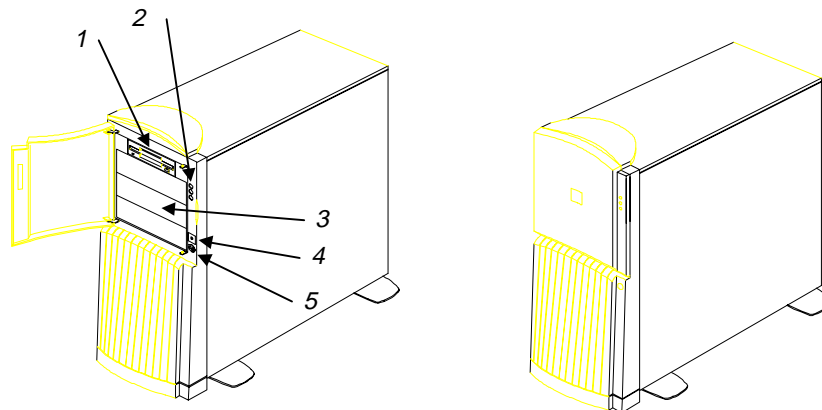
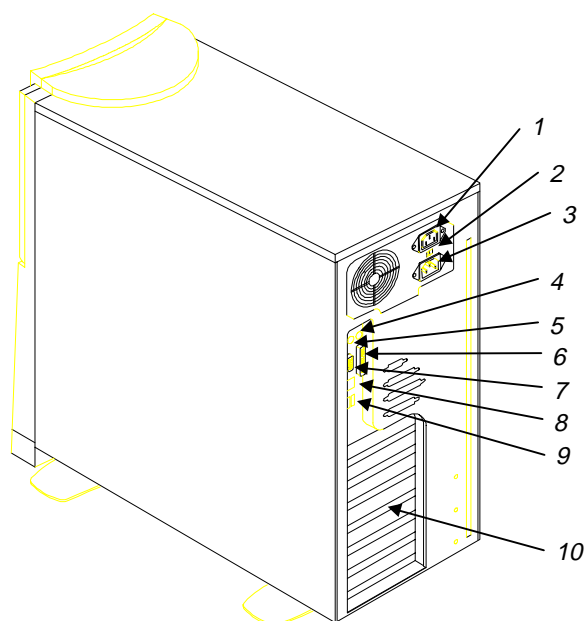

1 Features

1.1 Front Panel



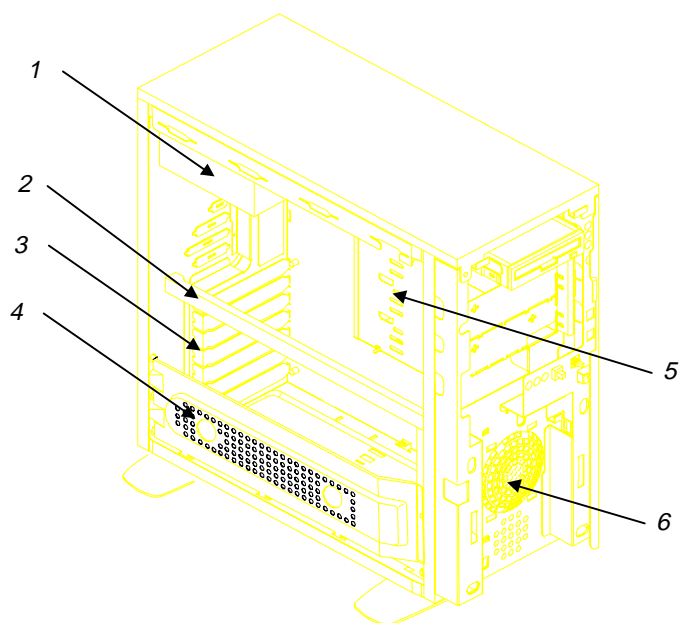
- 1 3.5-inch diskette drive
- 2 Power/Hard disk/RDM LEDs
- 3 5.25-inch drive bays
- 4 Power button
- 5 Reset button

1.2 Rear Panel



- | | | | |
|---|----------------------|----|--------------------------------------|
| 1 | Monitor power socket | 7 | Video port |
| 2 | Voltage selector | 8 | RJ-45 connector |
| 3 | Power socket | 9 | Universal serial bus (USB) connector |
| 4 | Mouse port | 10 | Expansion board slots |
| 5 | Keyboard port | | |
| 6 | Parallel port | | |

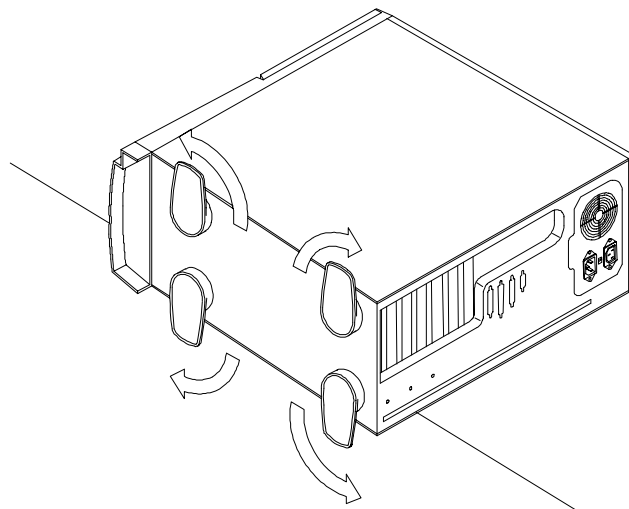
1.3 Internal Components



- 1 *Power supply*
- 2 *CPU board support bar*
- 3 *Expansion board brackets*
- 4 *Metal frame for additional hard disks*
- 5 *5.25-inch drive bays (for hard disks or CD-ROM)*
- 6 *Speaker/Fan*

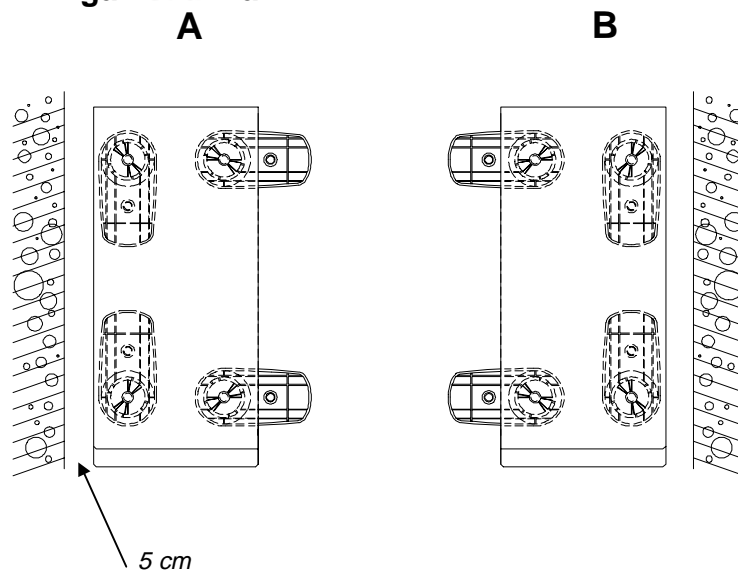
2 Positioning the Housing

2.1 As a Standalone System



When standing the housing as a standalone, pull out all the four legs outward to stabilize the housing.

2.2 Against a Wall



The housing has vents on both sides, with the left vent being the more important of the two. When standing the system with the vents facing a wall, leave a 5-cm space from the wall to allow air circulation. See Figure A.

To stand the housing with the vents facing out, place the system close to the wall and position the legs as in Figure B.

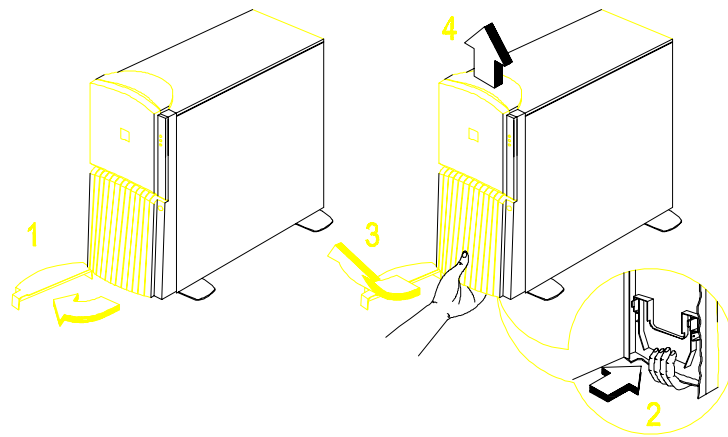
3 Disassembly



If you have previously applied power to the system, make sure to turn off the power and unplug the power cord before opening the housing and installing or removing any system component.

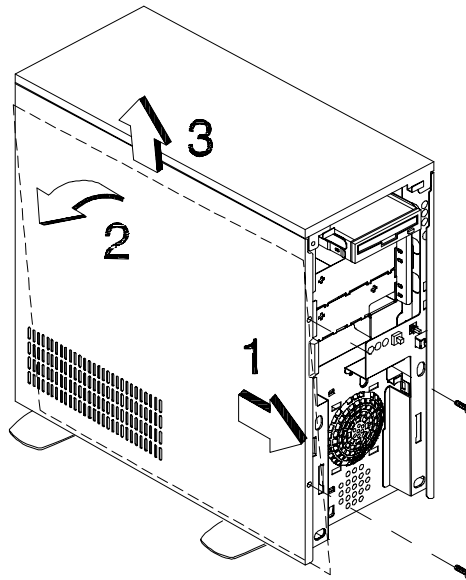
3.1 Removing the Front Panel

The system housing has a security lock on the front panel. Use the system key to unlock the housing before proceeding with the disassembly.



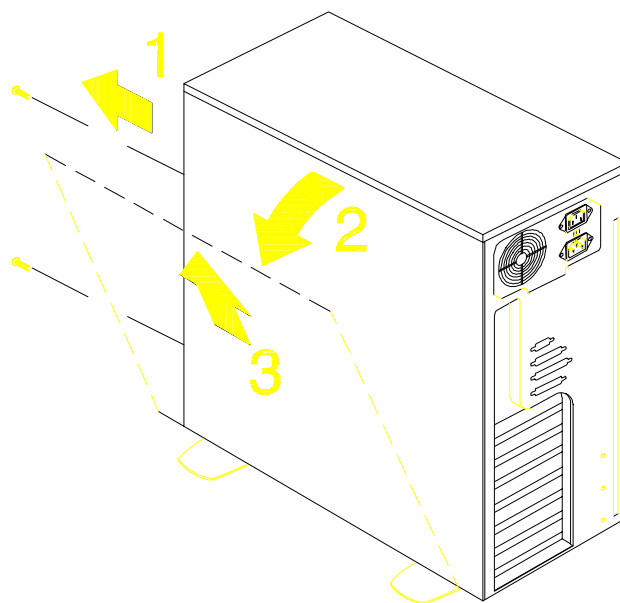
1. Hold the right end of the front panel underside support and swing it to the left.
2. Insert your hand in the opening under the front panel. Reach for the panel handle and press it to release the cover from the housing frame.
3. Pull the cover to detach it completely from the housing frame.

3.2 Removing the Left Cover



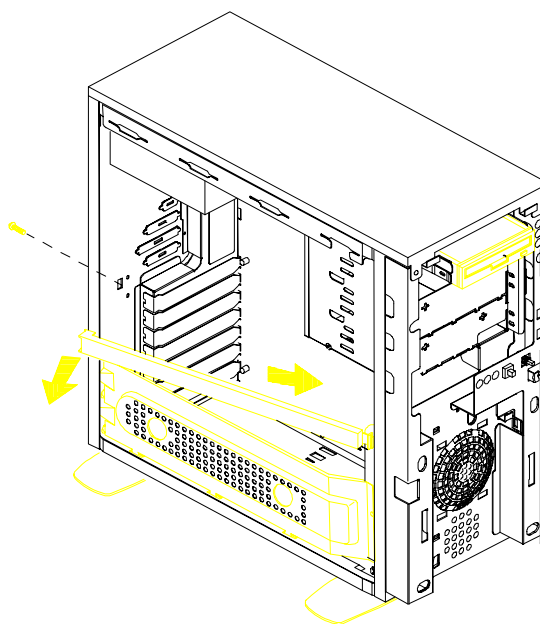
1. Remove the screws that secure the left cover, then slide the cover toward the front for about an inch.
2. Pull the upper part of the cover outward.
3. Lift the cover out.

3.3 Removing the Right Cover



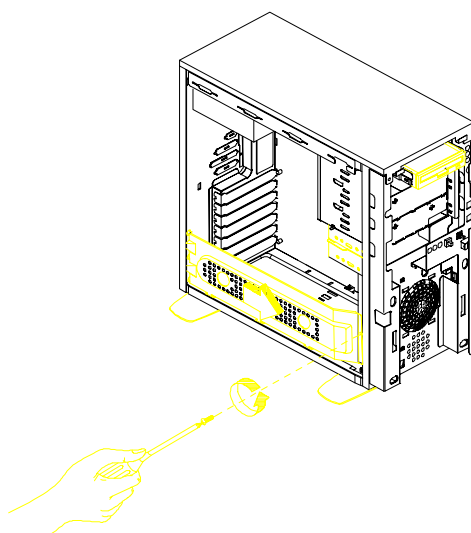
1. Remove the screws that secure the right cover, then slide the cover toward the front for about an inch.
2. Pull the upper part of the cover outward.
3. Lift the cover out.

3.4 Removing the CPU Board Support Bar



1. Remove the screw that secures the CPU board support bar.
2. Firmly hold the support bar and push it toward the front for about an inch. This releases the rear end of the support bar.
3. After releasing the rear end of the bar, carefully detach the front end from the hook that secures it to the housing frame.

3.5 Removing the Metal Frame for Additional Hard Disks



1. Remove the screw that secures the metal frame for additional hard disk.
2. Slide the frame towards the direction of the arrow shown in the figure to release the frame tabs from the slots on the floor of the housing.

4 Component Installation



Make sure that you have removed the plastic CPU board bracket and the metal frame for additional hard disks before you proceed. Refer to the previous sections for the instructions.

4.1 ESD Precautions

Always observe the following electrostatic discharge (ESD) precautions before installing any system component:

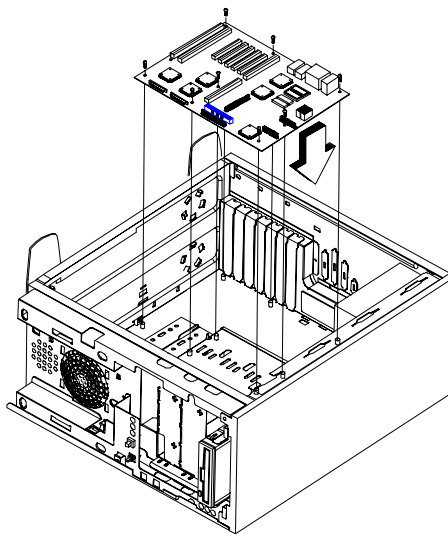
1. Do not remove a component from its anti-static packaging until you are ready to install it.
2. Wear a wrist grounding strap before handling electronic components. Wrist grounding straps are available at most electronic component stores.

4.2 Installing a System Board



Observe the ESD precautions in section 4.1.

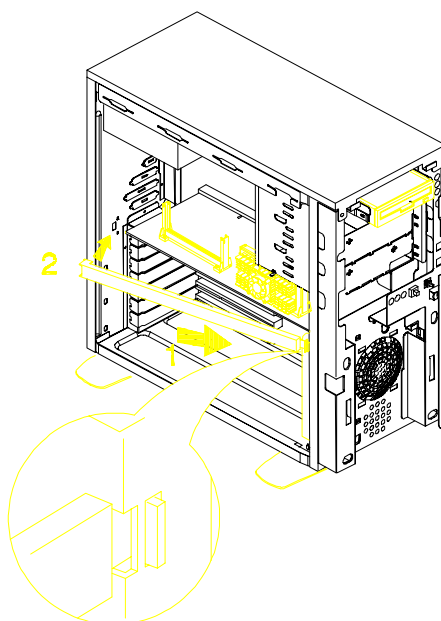
The housing accepts ATX system boards. Follow these steps to install a system board.



1. Position the housing such that the right side lies flat.
2. Align the board with the pegs on the housing frame.
3. Gently press the board until it is properly seated.
4. Secure the board with screws.
5. Attach the required cables to the connectors on the system board.

4.3 Installing a CPU Board

When installing a CPU board into the housing, make sure that you have already installed the CPU module on the board. For information on CPU module installation, refer to the board user's guide.



-
1. Align the CPU board golden fingers with the exclusive connector on the system board. Refer to your system board user's guide for the location of the connector.
 2. Carefully install the CPU board until it fits in place.
 3. Attach the front end of the CPU board support bar to the hook on the housing frame.
 4. Align the support bar with the edge of the CPU board, then insert the protruding tabs of the bar into the holes on the rear of the housing.

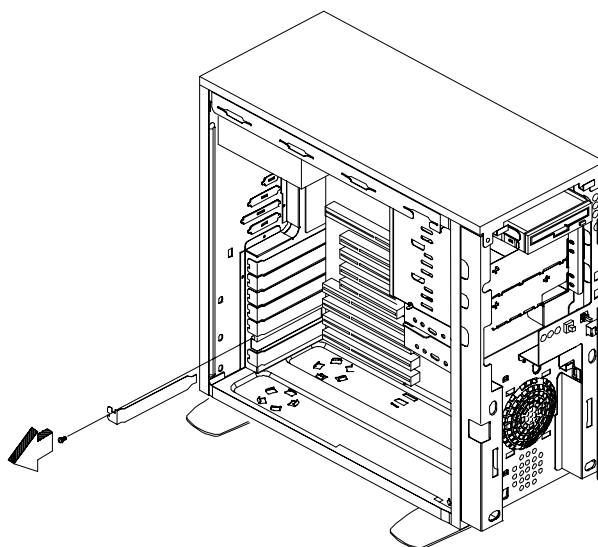


Do not forget to install the support bar. It helps prevent damage to the CPU and the CPU board during transport.

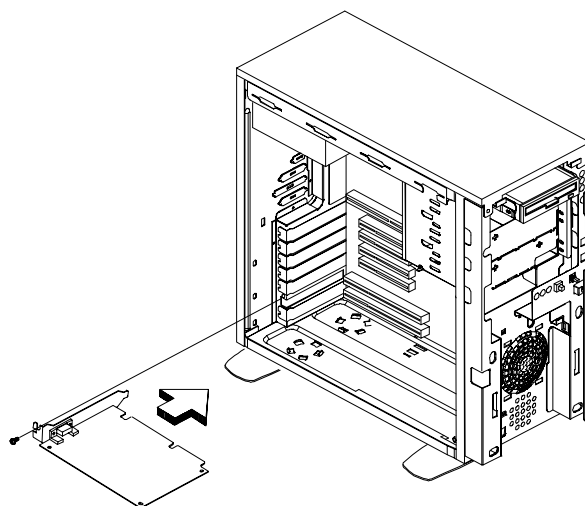
4.4 Installing Expansion Boards



Observe the ESD precautions in section 4.1.



1. Study the expansion board installation guide and configure any jumpers as directed.
2. Remove a bracket from any empty expansion slot. Save the screw to secure the new board. Keep the bracket for future use.



3. Gently insert the board into the open expansion slot. Make sure that the board is properly inserted.
4. Secure the board with a screw.



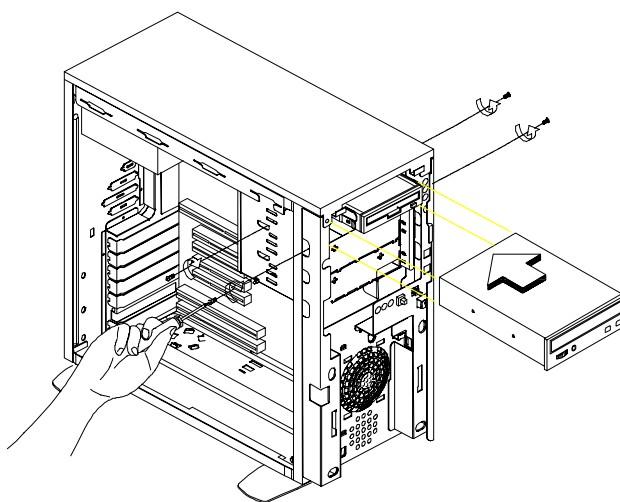
Do not neglect this step. The board uses the screw for grounding.

4.5 Installing Drives

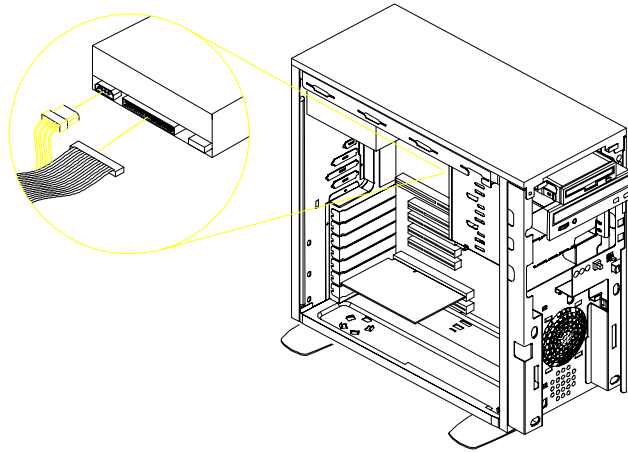


Observe the ESD precautions in section 4.1.

Installing a CD-ROM Drive



1. Insert a CD-ROM drive into the drive bay and secure the drive with the required screws.

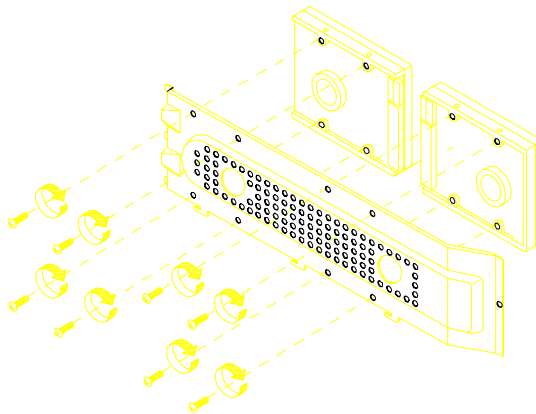


2. Attach the power supply and the drive cables to the CD-ROM drive. Make sure that the other end of the CD-ROM drive cable is connected to the IDE2 connector on the board.

Follow the same procedure when installing drives in the other 5.25-inch drive bays. Refer to the system board user's guide for information on drive cable connectors on the system board.

Installing Additional Hard Disks

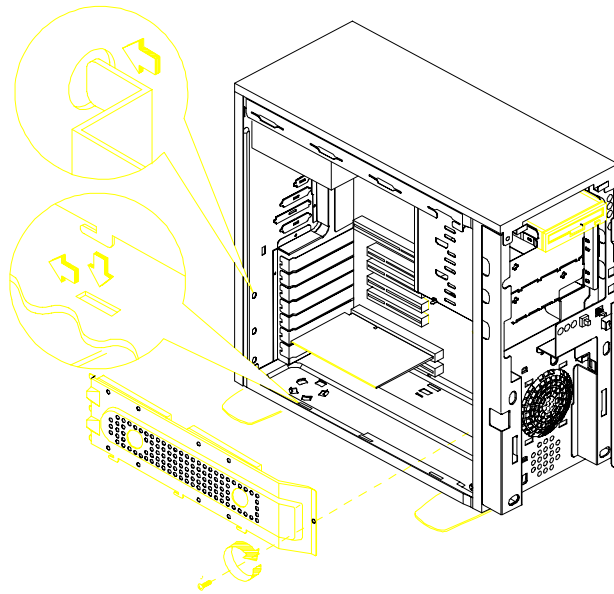
The system housing comes with a metal frame for additional hard disks. This frame accommodates two half-height hard disks.



1. Secure the hard disks on the metal frame one by one.



Before you install the additional hard disk frame back into the housing, make sure that you have installed the system board, CPU board and expansion boards, if any.



2. Locate the slots on the rear on the floor of the housing.
3. Insert the frame tabs into these slots, with the hard disks facing the system board.
4. Carefully slide the frame toward the rear of the housing until it fits in place.
5. Secure the hard disk frame with a screw.

Removing the Frame with Installed Hard Disks

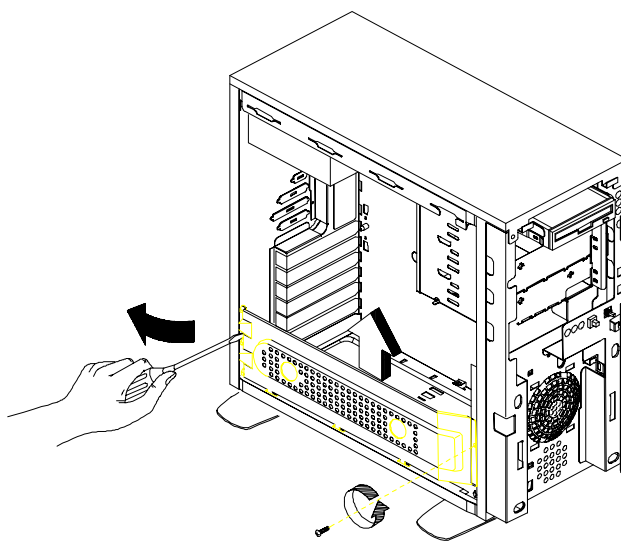
Follow these steps when removing the frame with hard disks installed.

1. Detach the hard disk cables then remove the screws that secures the frame to the housing.
2. Use a flat screwdriver to slowly slide the frame toward the front. See the following figure.



Do not use your hands to slide the frame. Using a screwdriver prevents sudden shock that might damage the hard disks.

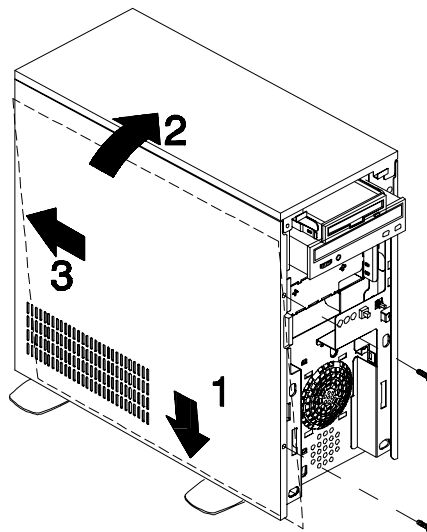
3. Lift up the frame with the hard disks carefully.



5 Cover Installation

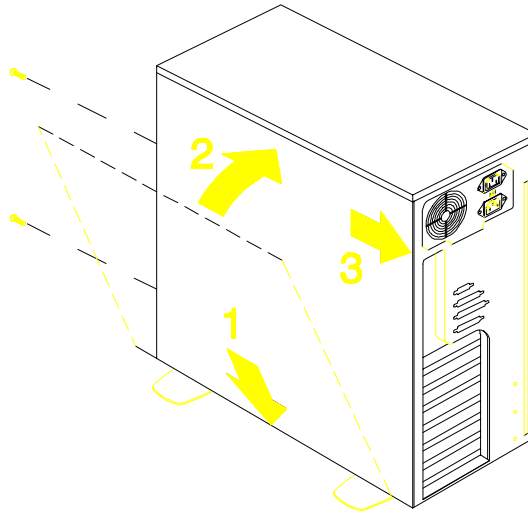
After you install the necessary system components into the housing, you must reinstall the left and right covers and the front panel.

5.1 Installing the Left Cover



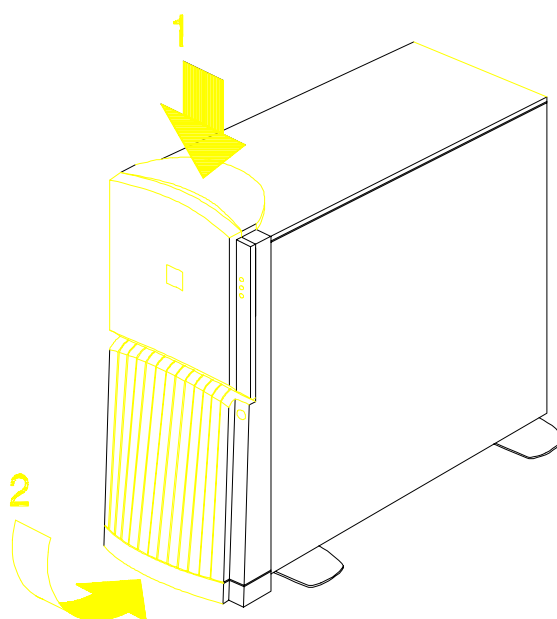
1. Align the hooks on the bottom edge of the left cover with the rail on the bottom of the housing.
2. Push the upper part of the left cover.
3. Slide the cover toward the rear panel until it fits in place.

5.2 Installing the Right Cover



1. Align the hooks on the bottom edge of the right cover with the rail on the bottom of the housing.
2. Push the upper part of the right cover.
3. Slide the cover toward the rear panel until it fits in place.

5.3 Installing the Front Panel



1. Insert the hooks on the inner side of the front panel into the protruding tabs on the edge of the roof.
2. Fit the lower front panel until it clicks in place.