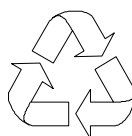


Aspire Minitower Housing Installation Guide



Recycled Paper

Copyright

Copyright © 1996 by this company. All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise, without the prior written permission of this company.

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions carefully. Save these instructions for future reference.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.
7. This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
8. This product is equipped with a 3-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the purpose of the grounding-type plug.
9. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.

-
10. If an extension cord is used with this product, make sure that the total ampere rating of the equipment plugged into the extension cord does not exceed the extension cord ampere rating. Also, make sure that the total rating of all products plugged into the wall outlet does not exceed 15 amperes.
 11. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
 12. Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to qualified service personnel.
 13. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - a. When the power cord or plug is damaged or frayed
 - b. If liquid has been spilled into the product
 - c. If the product has been exposed to rain or water
 - d. If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are covered by the operating instructions since improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal condition.
 - e. If the product has been dropped or the cabinet has been damaged
 - f. If the product exhibits a distinct change in performance, indicating a need for service

-
14. Replace battery with the same type as the product's battery we recommend. Use of another battery may present a risk of fire or explosion. Refer battery replacement to a qualified serviceman.
 15. Warning! Battery may explode if not handled properly. Do not recharge, disassemble or dispose of in fire. Keep away from children and dispose of used battery promptly.
 16. Use only the proper type of power supply cord set (provided in your keyboard/manual accessories box) for this unit. It should be a detachable type: UL listed/CSA certified, type SVT/SJT, rated 6A 125V minimum, VDE approved or its equivalent. Maximum length is 15 feet (4.6 meters).



Caution for housings equipped with a Toshiba XM-4101BME or a XM-BM* CD-ROM drive:

The use of controls, the making of adjustments or the performance of procedures other than those specified herein may result in hazardous radiation exposure.

FCC Class B Radio Frequency Interference Statement

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/television technician for help.

Notice 1:

The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Notice 2:

Shielded interface cables, if any, must be used in order to comply with the emission limits.

About this Manual

Purpose

This manual aims to give you all the information you need to install the system housing.

Conventions

The following conventions are used:

**NOTE**

Gives bits and pieces of additional information related to the current topic.

**WARNING**

Alerts you to any damage that might result from not following directions.

**CAUTION**

Suggests precautionary measures to avoid potential hardware or software problems.

**IMPORTANT**

Reminds you to take specific action relevant to the accomplishment of the procedure at hand.

**TIP**

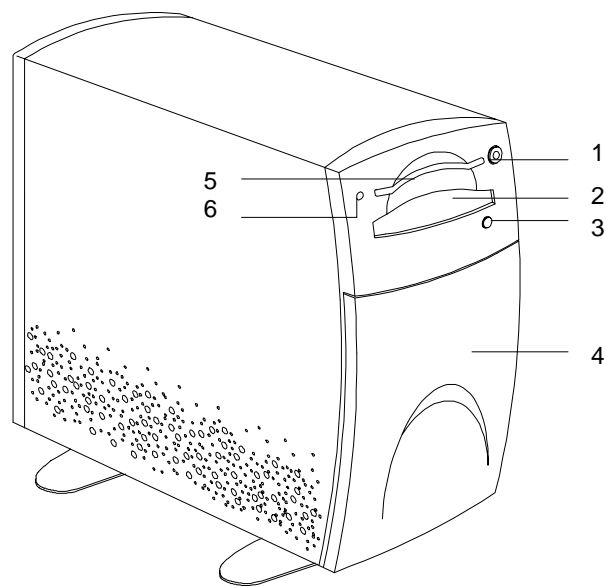
Tells how to accomplish a procedure through little shortcuts.

Table of Contents

1	Features	1
1.1	Front Panel.....	1
1.2	Rear Panel	2
1.3	Inside Components.....	3
2	Component Installation	4
2.1	Positioning the Housing	4
2.2	Opening the Housing	6
2.3	Installing a System Board	9
2.3.1	ESD Precautions.....	9
2.3.2	Installation Procedures.....	10
2.4	Installing Expansion Boards.....	12
2.5	Installing Hard Disk Drives.....	14
2.5.1	Installing a Hard Disk	14
2.5.2	Installing a 3.5-inch Second Hard Disk	15
2.5.3	Installing a 5.25-inch Second Hard Disk	17
2.6	Installing the Cover	18

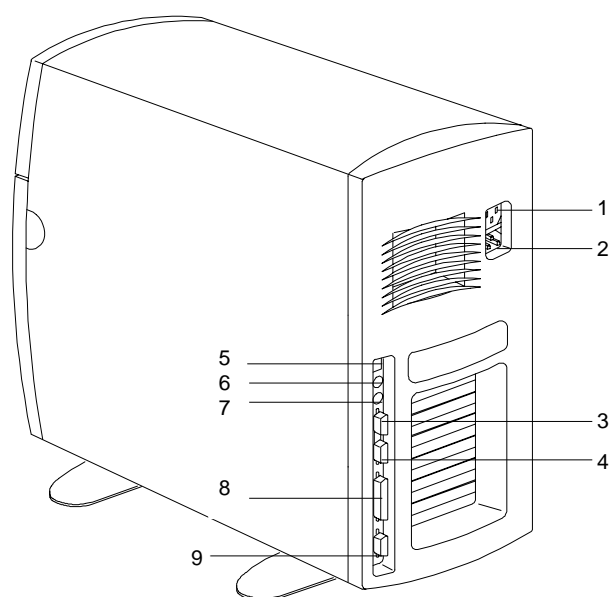
1 Features

1.1 Front Panel



- | | |
|----------------------------------|---|
| 1. Power switch (with Power LED) | 4. Front-panel door |
| 2. CD-ROM drive | 5. 3.5-inch diskette drive |
| 3. CD-ROM eject button | 6. System-activity LED (HDD/FDD/CD-ROM) |

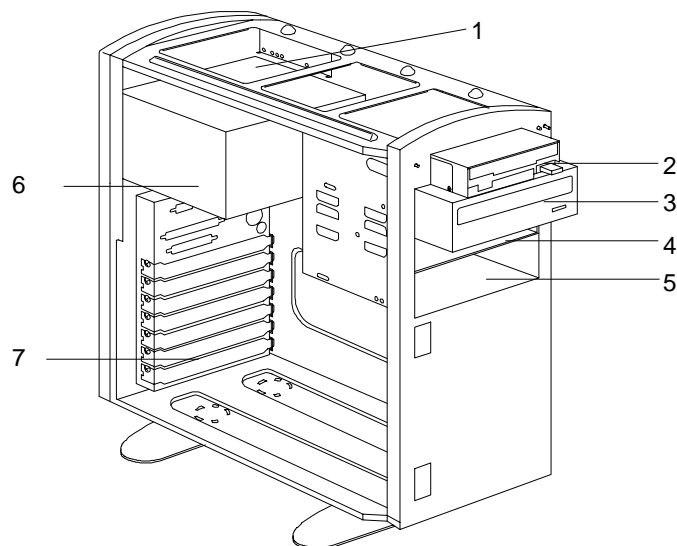
1.2 Rear Panel



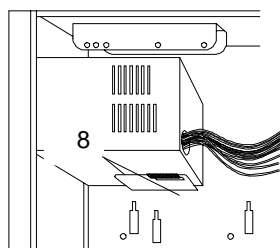
- 1. Monitor power socket
- 2. Power socket
- 3. COM1
- 4. COM2
- 5. Modem or network connector

- 6. Mouse connector
- 7. Keyboard connector
- 8. Parallel port
- 9. Video port

1.3 Inside Components



- 1. 3.5-inch hard disk drive bays
- 2. 3.5-inch diskette drive
- 3. CD-ROM drive
- 4. Drive bay for 3.5-inch or 5.25-inch second hard disk
- 5.. Drive bay for 5.25-inch diskette drive
- 6. Power supply
- 7. Expansion board brackets



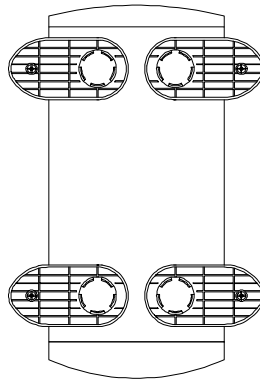
- 8. EMI-protect plates

2 Component Installation

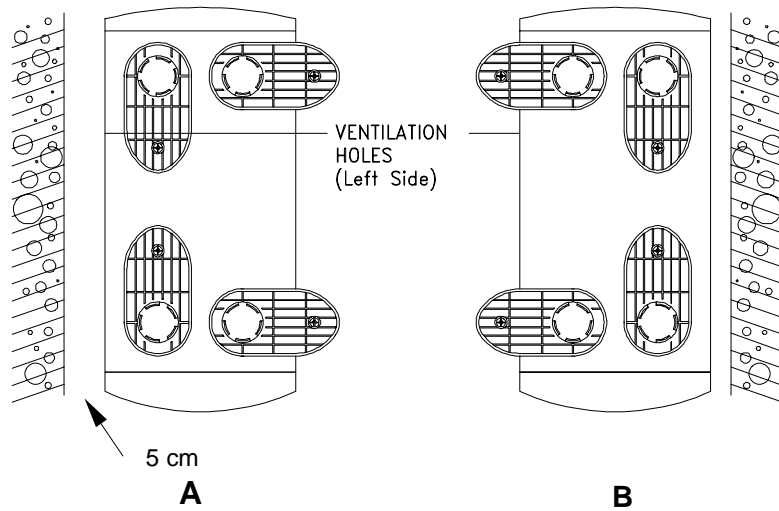


Make sure to turn off the power and unplug the power cord before installing or removing any components.

2.1 Positioning the Housing



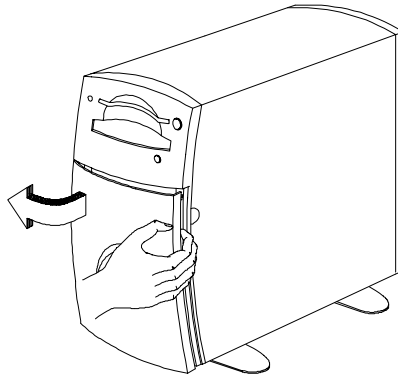
1. Arrange the legs so that the system is secure in the standing position.



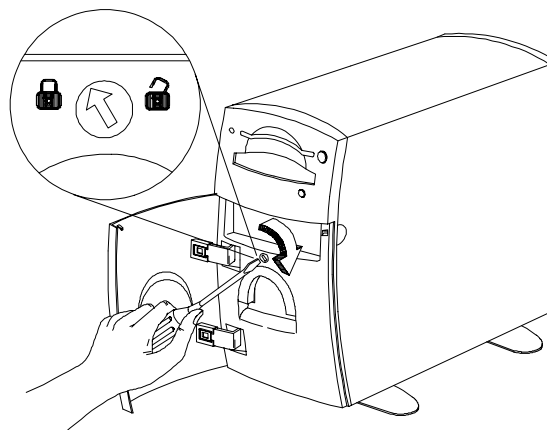
2. The housing has ventilation holes on the left side. When standing the system with the ventilation holes facing a wall, leave a 5-cm space from the wall to allow air circulation. See Figure A.

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

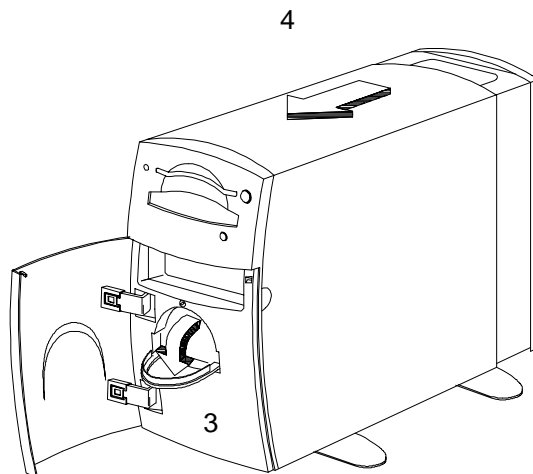
2.2 Opening the Housing



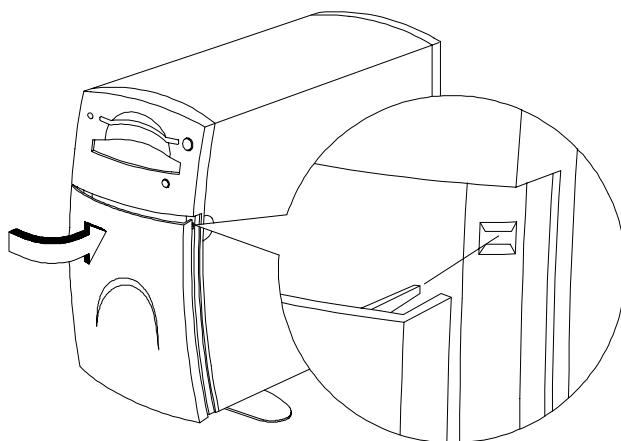
1. Open the front-panel door.



2. Use a standard screwdriver or any tool with a flat end to rotate the keylock to unlock position. Make sure that the flat end of the tool fits into the keylock to prevent damage such as chassis scratch.



3. Pull down the panel handle.
4. Pull the panel handle to release the cover from the housing frame.
5. Continue pulling until the cover is completely detached from the housing frame.



6. Close the front-panel door. Make sure that the peg is properly inserted into the slot.



Keep the front-panel door closed. Open it only if necessary.

2.3 Installing a System Board

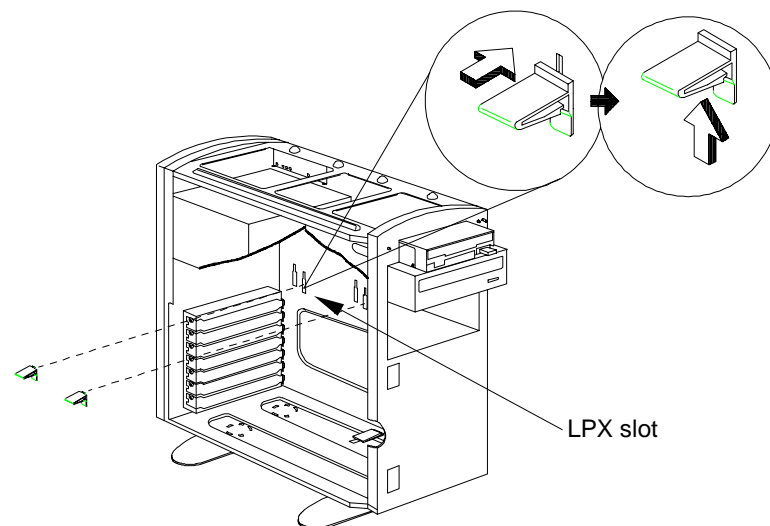
2.3.1 ESD Precautions

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

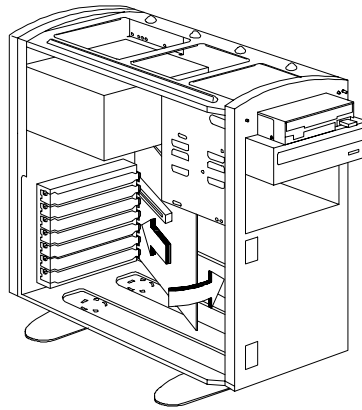
1. Do not remove a component from its antistatic packaging until you are ready to install it.
2. Wear a wrist grounding strap before handling electronic components. Wrist grounding straps are available at most electronic component stores.

2.3.2 Installation Procedures

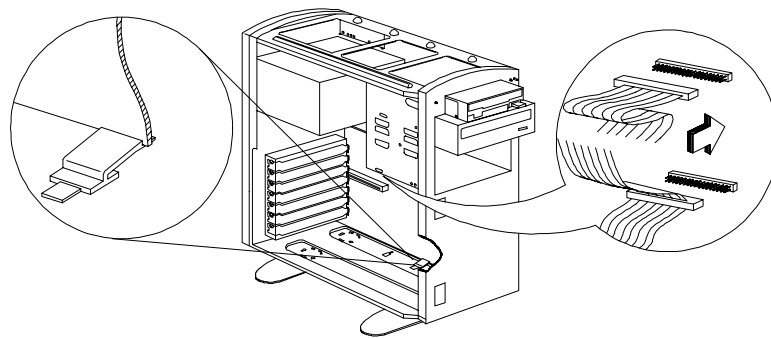
Follow these steps to install a system board:



1. Insert the system board supports into the appropriate slots. Press the board supports until the holding tabs click into place.

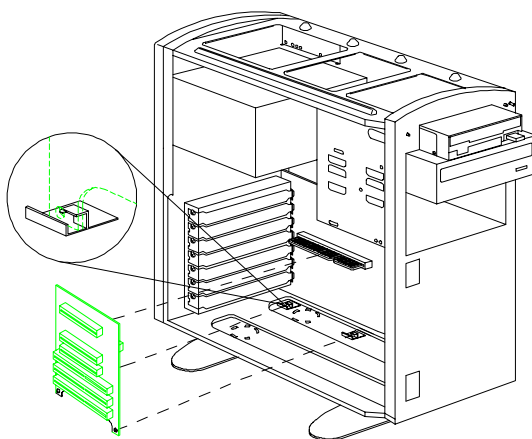


2. Insert the connector side of the LPX board first.



3. Gently press the board until the board holder tabs click. Make sure that the board is properly inserted.
4. Connect the necessary cables. Be certain that all cables are secure and properly connected before you move on.

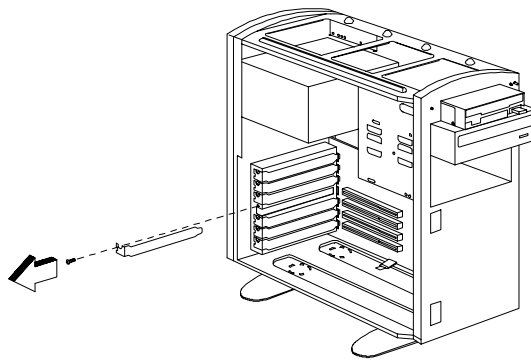
2.4 Installing Expansion Boards



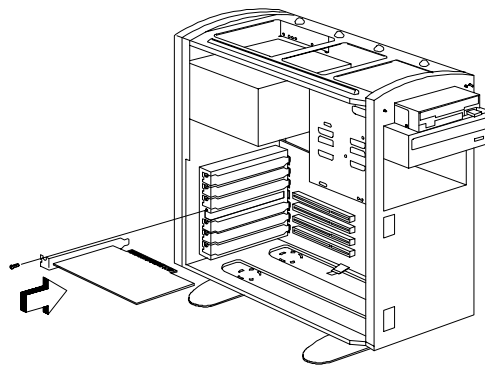
Make sure that you connect all the necessary cables to the system board before you install an expansion board.

Observe the ESD precautions before installing a system component.

1. Locate the expansion board slot on the system board. Insert the expansion board golden fingers into the slot.
2. Align the expansion board with the board tabs located near the bottom edge of the system board. Gently press the board. Make sure that the expansion board golden fingers and the tabs are properly seated.



3. Remove a bracket from any empty expansion slot. Save the screw to secure the new board. Keep the bracket for future use.



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



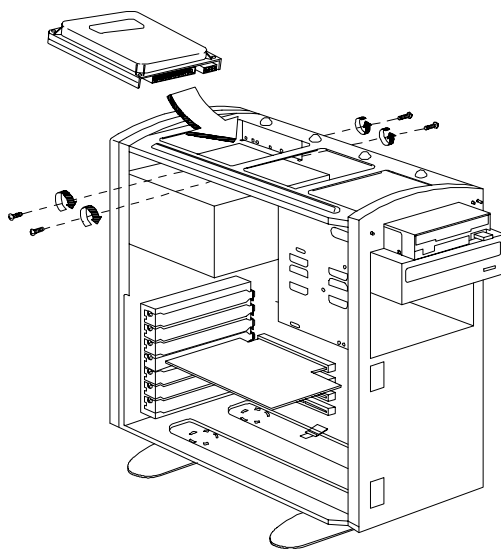
Do not neglect this step. The board uses the screw for grounding.

2.5 Installing Hard Disk Drives

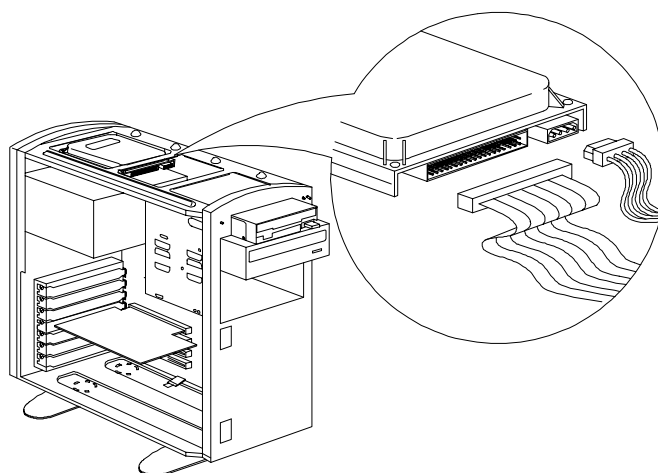
2.5.1 Installing a Hard Disk



When you purchase a hard disk, make sure that you have all the necessary cables to install the drive. Don't forget to get the bad sector information from your dealer.

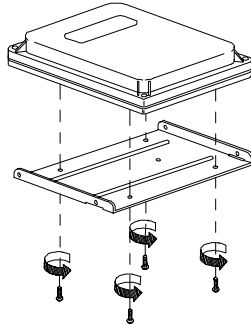


1. Insert a hard disk drive into the hard drive bay.
2. Secure it on both sides with the necessary screws.

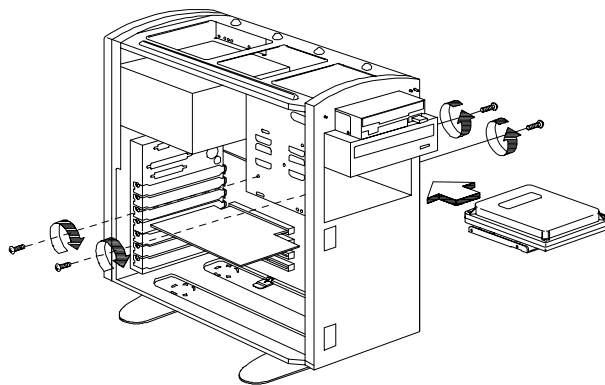


3. Connect the hard disk drive cables.

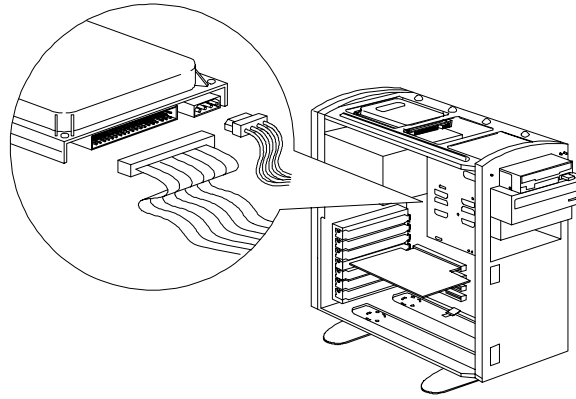
2.5.2 Installing a 3.5-inch Second Hard Disk



1. Secure a 3.5-inch hard disk to the drive frame.

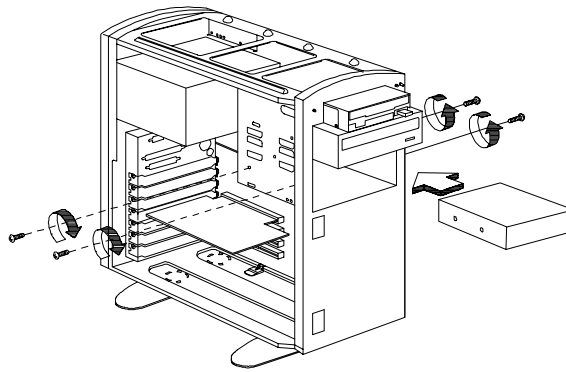


2. Insert the hard disk into the drive bay.
3. Secure the hard disk with the necessary screws.

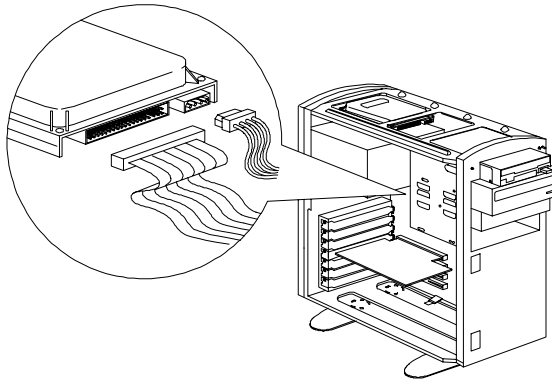


4. Connect the hard disk drive cables.

2.5.3 Installing a 5.25-inch Second Hard Disk

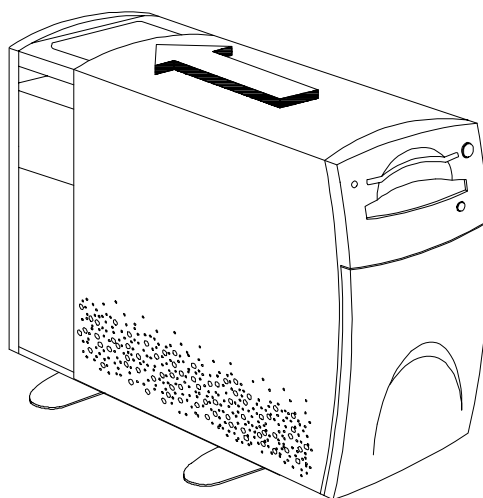


1. Insert a 5.25-inch hard disk into the drive bay.
2. Secure the hard disk with the necessary screws.



3. Connect the hard disk drive cables.

2.6 Installing the Cover



After you install the system components into the housing, you must install the cover.

To install the cover:

1. Make sure that the front-panel door is properly closed.
2. Align the rear-end corners of the cover with the front corners of the housing frame.
3. Push the cover back until it clicks into place.



Always turn on any peripherals first before you turn on the system.

