

Removal and Replacement Procedures

5.1 Serial Number

The computer serial number should be reported to Compaq when requesting information or ordering spare parts. The serial number is located on the bottom of the computer (Figure 5-1).

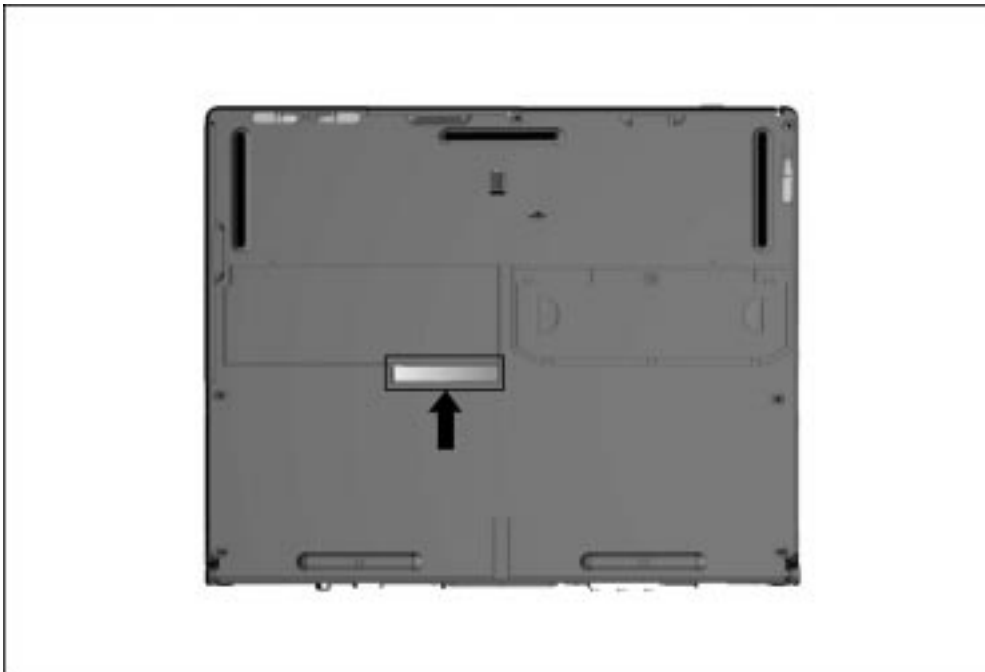


Figure 5-1. Serial Number Location

5.2 Disassembly Reference Chart

Use the chart below to determine the section number to be referenced when removing components from the computer.

5.3	Preparing the Computer for Disassembly
	Undocking the Computer from the ArmadaStation
	Undocking the Computer from the Armada MiniStation
	Disconnecting the Computer
5.4	Computer Logo
5.5	Computer Feet
5.6	Battery Packs
	Removing a Battery Pack from the Battery Bay
	Removing a Battery Pack from the MultiBay
	Inserting a Battery Pack into the Battery Bay
	Inserting a Battery Pack into the MultiBay
5.7	Hard Drives
	Removing a Hard Drive from the Hard Drive Bay
	Inserting a Hard Drive into the Hard Drive Bay
	Inserting a Hard Drive into the MultiBay
	Removing a Hard Drive from the MultiBay
5.8	MultiBay Devices
	Removing MultiBay Devices
	Inserting MultiBay Devices
5.9	Memory Expansion
	Removing the Memory Expansion Slot Cover
	Removing a Memory Expansion Board
	Installing a Memory Expansion Board
	Replacing the Memory Expansion Slot Cover
5.10	Keyboard Assembly
5.11	Auxiliary Battery
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	Installing the Auxiliary Battery
5.12	Power Supply
5.13	Fan Assembly
5.14	Audio/USB Board
5.15	Modem Board
5.16	Audio Assembly Bracket
5.17	Lithium Disc Cell Battery
5.18	Processor Module Assembly
5.19	Display Assembly and Auxiliary Battery
	Removing the Display Assembly
	Installing the Display Assembly
	Display Bezel
	Display Panel
	Speaker Assemblies
	Inverter
	Display Video Cable
	Display Audio Cable/Microphone Assembly
5.20	PC Card Eject Levers
	Installing the PC Card Eject Levers
5.21	System Board

5.22 PC Card Assembly

5.23 I/O Bracket

Figure 5-2. Computer Disassembly Sequence Chart

5.3 Preparing the Computer for Disassembly

1. Undock the computer from the ArmadaStation or Armada MiniStation.
2. Disconnect power and external devices.
3. Remove battery packs inserted into the battery bay or MultiBay (Section 5.6).
4. Remove PC Cards.

If the computer is not docked in an ArmadaStation or Armada MiniStation, go to the "Disconnecting the Computer" section. If the computer is docked, go to the "Undocking the Computer from the ArmadaStation" or "Undocking the Computer from the Armada MiniStation" section.

Undocking the Computer from the ArmadaStation

1. Unlock the ArmadaStation keylock.
2. Shut down the computer
3. Close the computer.
4. Press the eject button ❶. The computer separates from the docking connector on the ArmadaStation ❷ (Figure 5-3).



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Figure 5-3. *Undocking the Computer from the ArmadaStation*

5. Slide the computer out of the ArmadaStation.

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Undocking the Computer from the Armada MiniStation

1. Shut down the computer.
2. Close the computer.
3. Lift the docking lever and slide it forward ❶. The computer separates from the docking connector on the Armada MiniStation ❷ (Figure 5-4).



Figure 5-4. Undocking the Computer from the Armada MiniStation

4. Slide the computer away from the Armada MiniStation and remove it.

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Disconnecting the Computer

If the computer is docked in an ArmadaStation or Armada MiniStation, refer to the "Undocking the Computer" section. If the computer is not docked in an ArmadaStation or Armada MiniStation, refer to Figure 5-5 and follow these steps to disconnect the computer:

1. Shut down the computer.
2. Close the computer.
3. Position the computer so the rear panel faces forward.
4. Disconnect the power cord from the wall outlet ❶.
5. Disconnect the power cord from the computer ❷.



Figure 5-5. *Disconnecting the Computer*

6. Turn off and disconnect external devices.

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5.4 Computer Logo

The computer logo has an adhesive backing for installation. Remove the protective covering from the adhesive back and install the logo (Figure 5-6). The logo is upside down when viewed from the back of the computer with the display open.



Figure 5-6. *Installing the Computer Logo*

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5.5 Computer Feet

The computer feet are oblong, adhesive-backed rubber pads. The computer feet are included in the Miscellaneous Hardware Spare Kit.

Install the feet by removing the protective covering from the adhesive back and attaching the feet to the bottom of the computer (Figure 5-7).

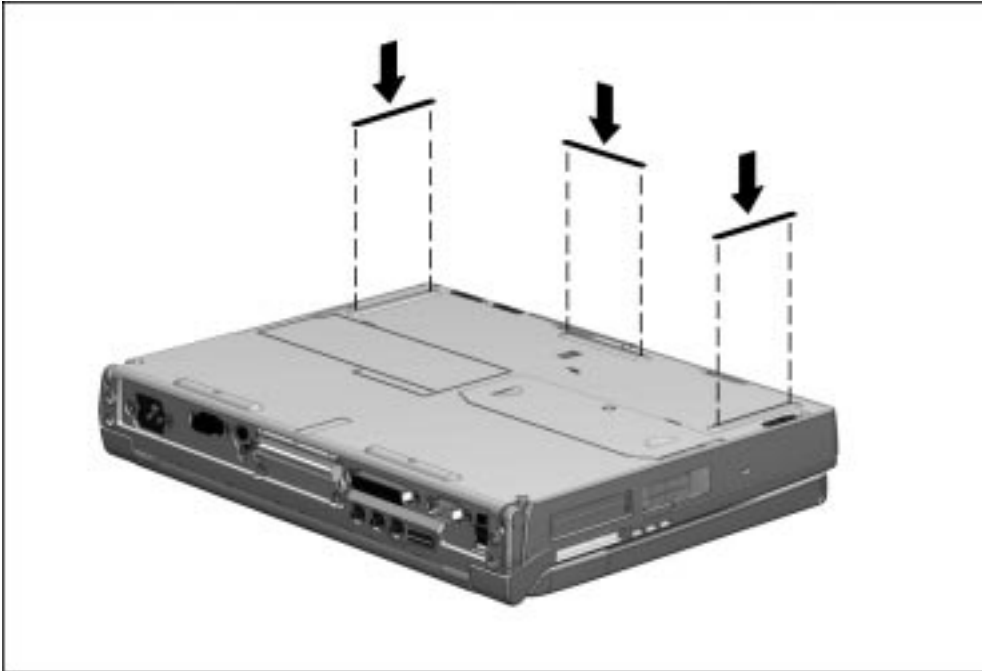


Figure 5-7. *Installing the Computer Feet*

5.6 Battery Packs



WARNING: To reduce the risk of injury or damage to the battery pack, do not crush, puncture, or incinerate the battery pack or short the metal contacts. Do not attempt to open or service the battery pack.

Removing a Battery Pack from the Battery Bay

Follow these steps to remove a battery pack from the battery bay:

1. If the computer is turned on, press the suspend button. If there is hard drive or diskette drive activity, Suspend may not occur immediately. The computer screen clears and the power/suspend light begins to flash when Suspend is initiated.

If the computer is turned off or in Suspend or Hibernation, proceed to Step 2.

2. Tilt the computer at an angle ❶ so the bottom of the computer is accessible (Figure 5-8).
3. Slide the battery release latch to the right ❷.
4. Grasp battery pack using the recess ❸ beneath the battery bay.

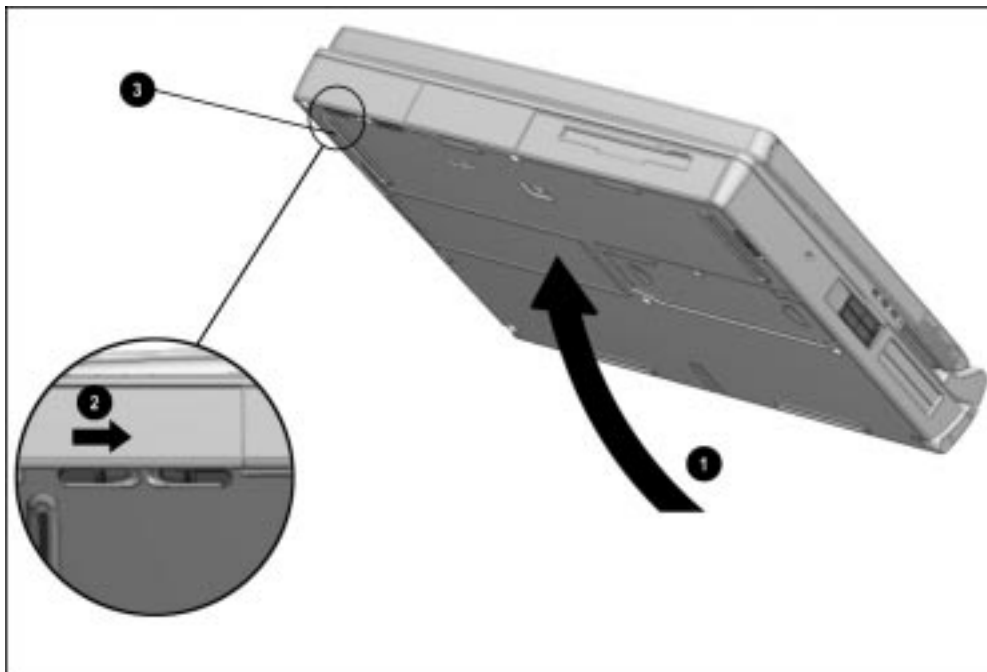


Figure 5-8. Releasing a Battery Pack from the Battery Bay

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5. Pull the battery pack out of the battery bay (Figure 5-9).



Figure 5-9. *Removing a Battery Pack from the Battery Bay*

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Removing a Battery Pack from the MultiBay

1. If the computer is turned on, press the suspend button. If there is hard drive or diskette drive activity, Suspend may not occur immediately.

The computer screen clears and the power/suspend light begins to flash when Suspend has been initiated.

2. Tilt the computer at an angle ❶ so the bottom of the computer is accessible (Figure 5-10).
3. If the battery pack has been secured in the MultiBay with a single- or dual-bay security screw ❷, remove the screw with the security wrench included with the computer.
4. Slide the MultiBay release latch toward the rear of the computer ❸.
5. Grasp the battery pack using the recess ❹ beneath the MultiBay.

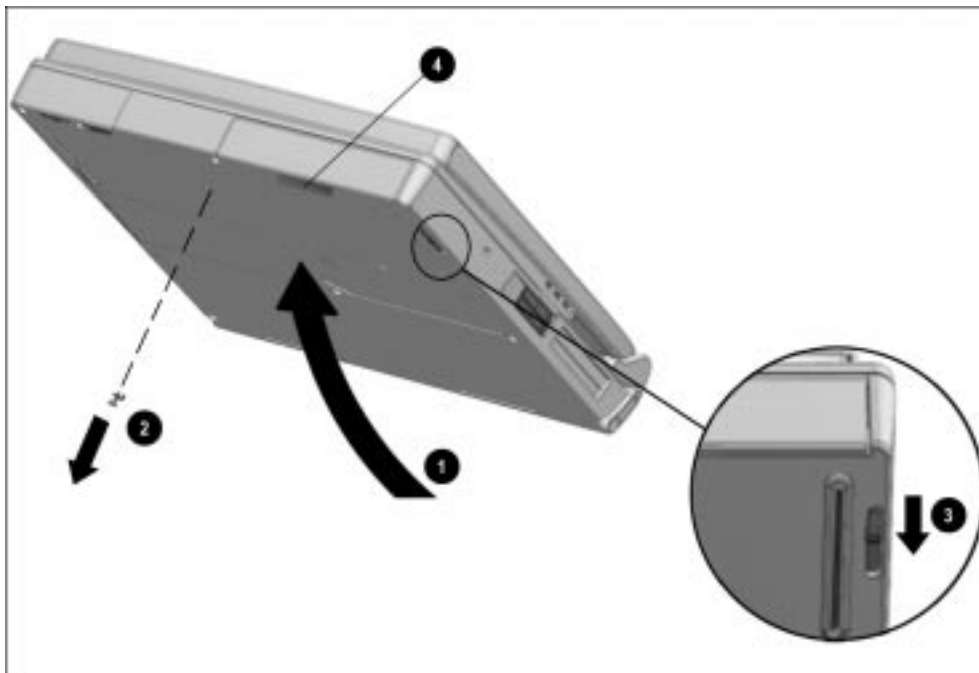


Figure 5-10. Releasing a Battery Pack from the MultiBay

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6. Pull the battery pack out of the MultiBay (Figure 5-11).

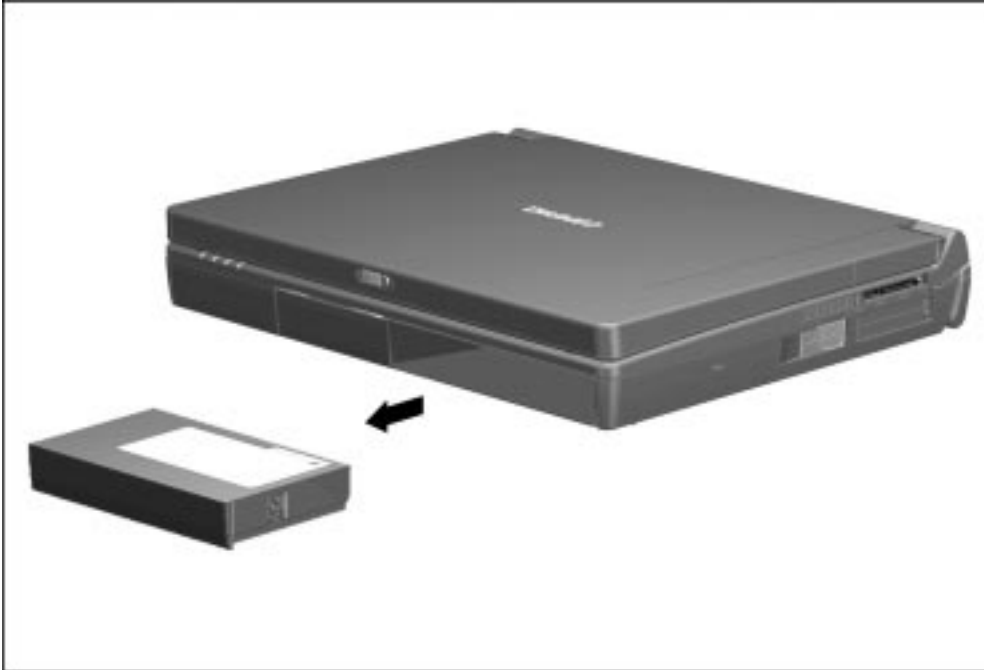


Figure 5-11. *Removing a Battery Pack from the MultiBay*

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Inserting a Battery Pack into the Battery Bay



WARNING: To prevent damage to the computer, do not insert a battery pack into the battery bay until the computer is fully reassembled.

1. With the battery pack label facing up and the battery pack contacts facing the computer, slide the battery pack into the battery bay until it clicks into place (Figure 5-12).



Figure 5-12. *Inserting a Battery Pack into the Battery Bay*

2. If the computer is in Suspend, press the suspend button to return to your work.

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Inserting a Battery Pack into the MultiBay



WARNING: To prevent damage to the computer, do not insert a battery pack into the MultiBay until the computer is fully reassembled.

1. With the battery pack label facing up and the battery pack contacts facing the computer, slide the battery pack into the MultiBay until it clicks into place.
2. If the battery pack was secured in the MultiBay using a single- or dual-bay security screw, replace the screw (Figure 5-13).

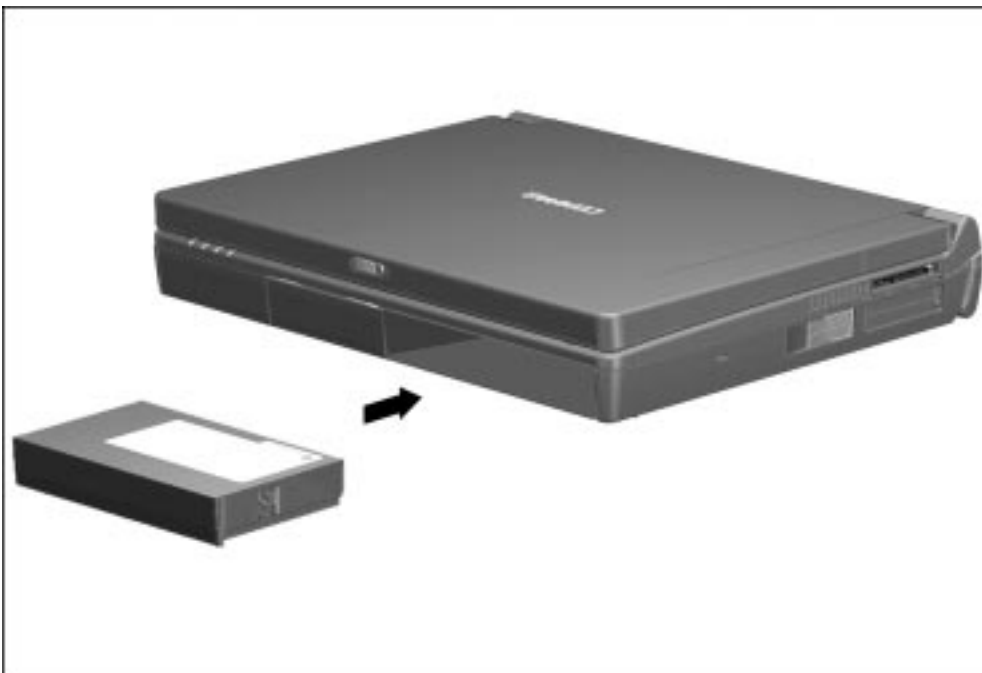


Figure 5-13. *Inserting a Battery Pack into the MultiBay*

3. If the computer is in Suspend, press the suspend button to return to your work.

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5.7 Hard Drives

Removing a Hard Drive from the Hard Drive Bay

Before removing a hard drive, back up all information on the hard drive.

1. Save all work, exit all applications, and shut down the computer.
2. Tilt the computer at an angle ❶ so the bottom of the computer is accessible (Figure 5-14).
3. If the hard drive has been secured in the hard drive bay with a single- or dual-bay security screw ❷, remove the screw with the security wrench included with the computer.
4. Slide the hard drive release latch to the left ❸.
5. Grasp the hard drive using the recess beneath the hard drive bay ❹.

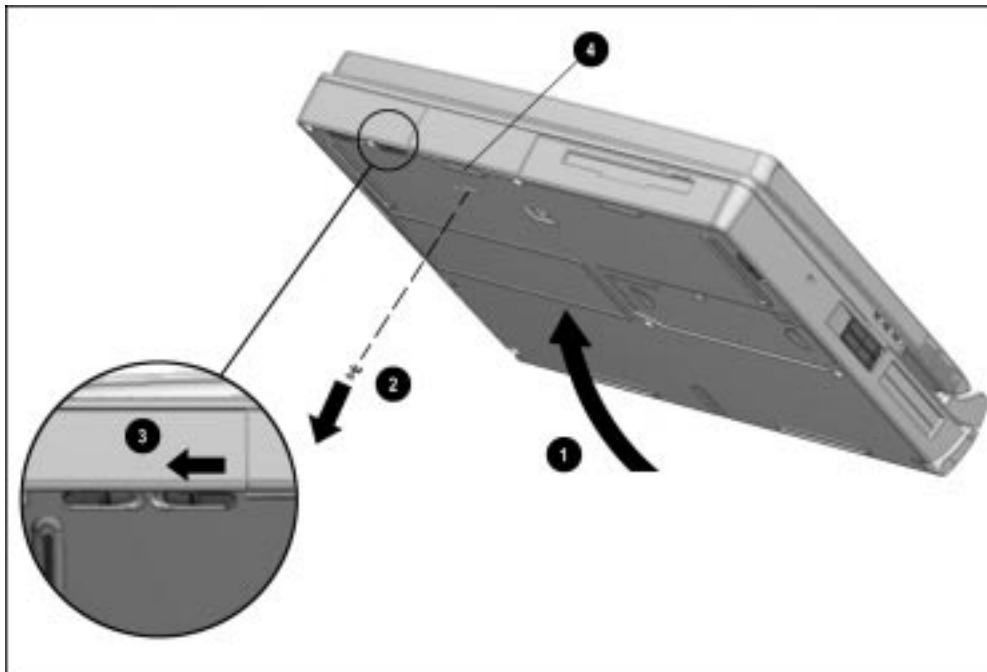


Figure 5-14. Releasing a Hard Drive from the Hard Drive Bay

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6. Pull the hard drive out of the hard drive bay (Figure 5-15).

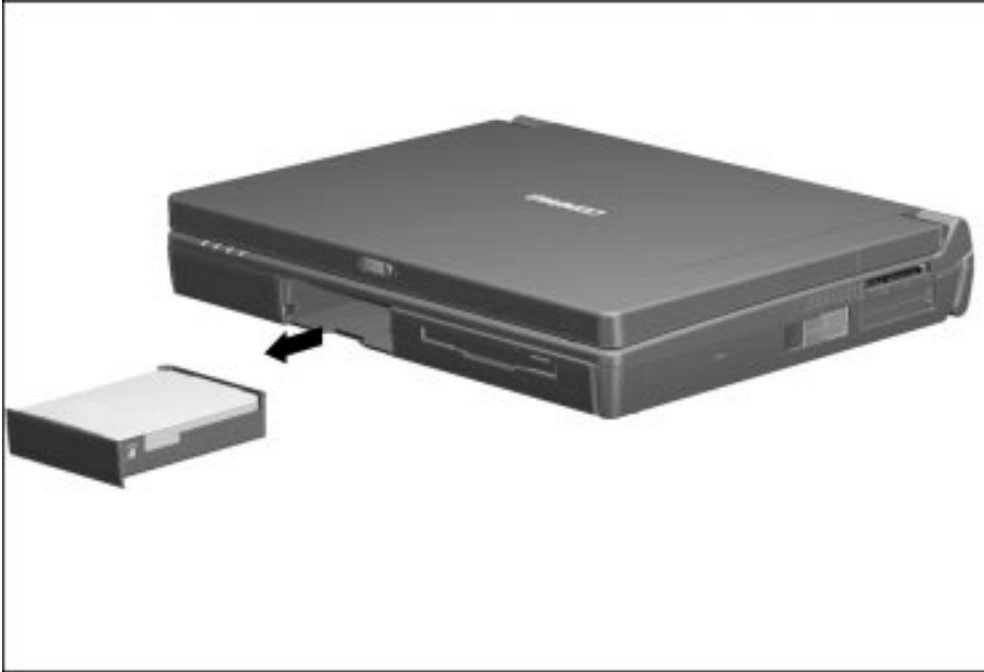


Figure 5-15. *Removing a Hard Drive from the Hard Drive Bay*

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7. Pull the metal hard drive up and out of the plastic hard drive tray (Figure 5-16).

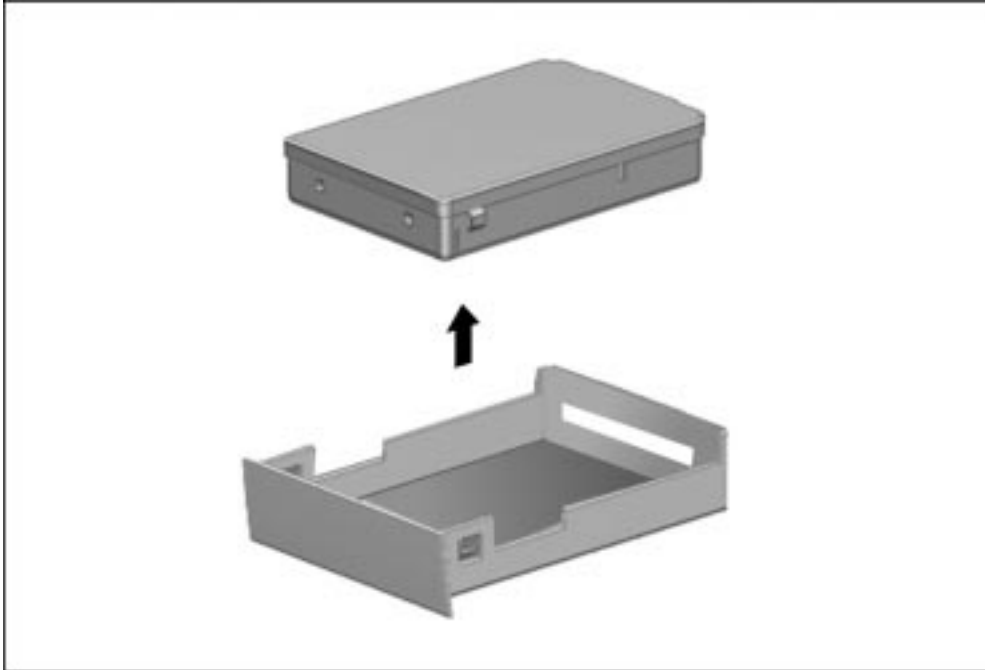


Figure 5-16. *Removing the Hard Drive from the Hard Drive Tray*

8. If you are not inserting another hard drive, insert the hard drive tray into the hard drive bay until it is seated.

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Inserting a Hard Drive into the Hard Drive Bay

1. Save all work, exit all applications, and shut down the computer.
2. Release the hard drive tray from the hard drive bay by sliding the hard drive release latch to the left.
3. Grasp the hard drive tray using the recess beneath the hard drive bay.
4. Pull the hard drive tray out of the hard drive bay.
5. Insert the metal hard drive into the plastic hard drive tray with the connectors protruding through the opening in the rear of the tray (Figure 5-17).

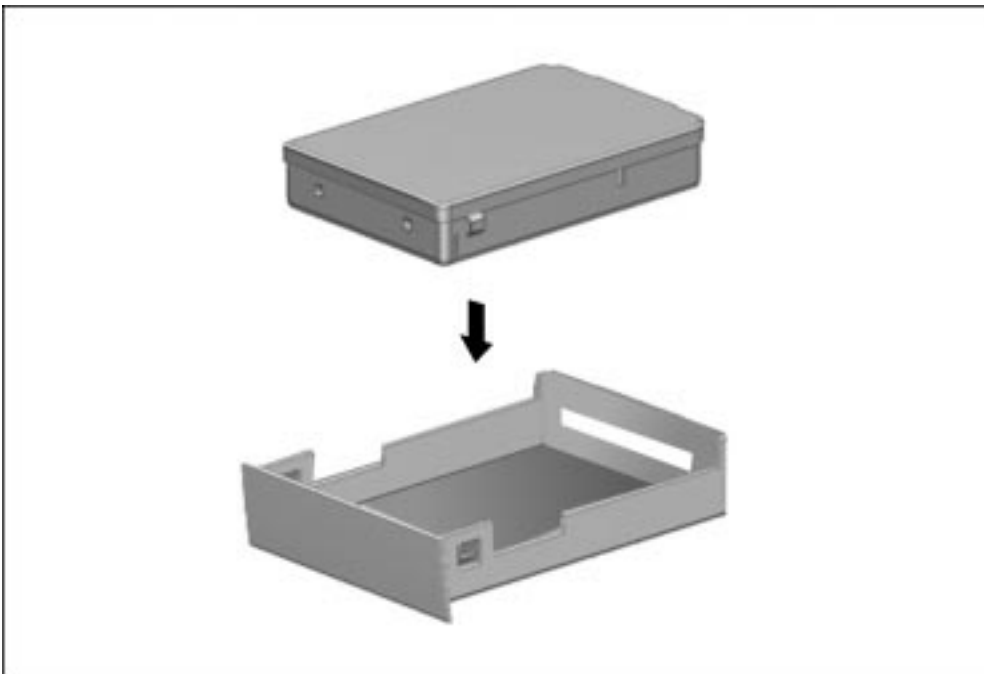


Figure 5-17. Inserting a Hard Drive into the Hard Drive Tray

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6. Slide the hard drive assembly into the hard drive bay (Figure 5-18).

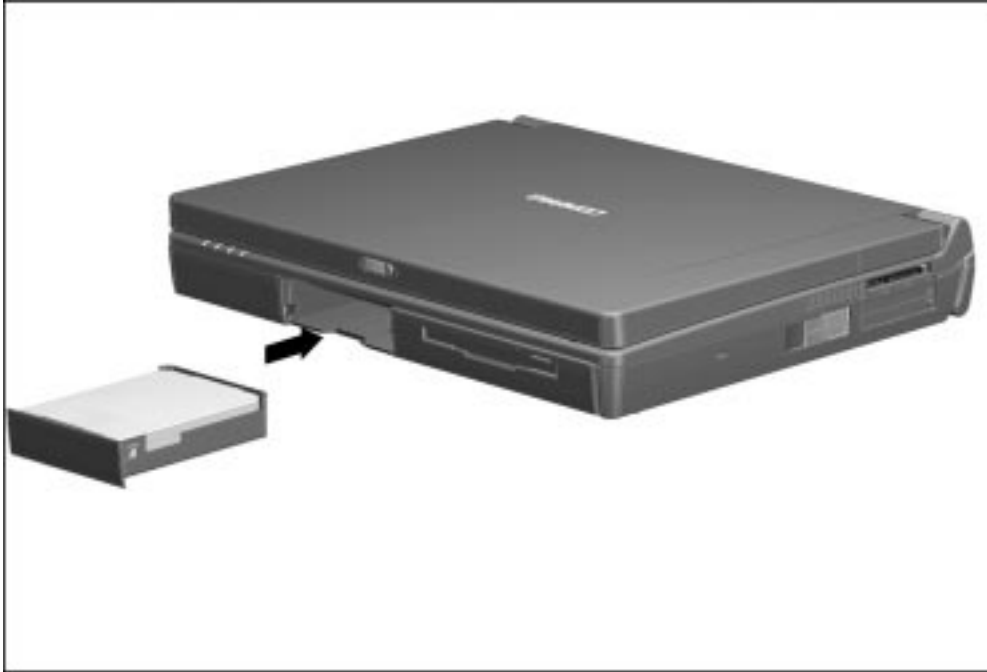


Figure 5-18. *Inserting a Hard Drive into the Hard Drive Bay*

7. If the hard drive was secured in the hard drive bay using a single- or dual-bay security screw, replace the screw.

Inserting a Hard Drive into the MultiBay

If you are moving a hard drive from the hard drive bay to the MultiBay, remove the hard drive from the hard drive tray. Refer to the “Removing a Hard Drive from the Hard Drive Bay” section in this chapter for more information.

An Armada 7000 Hard Drive MultiBay Adapter is needed to insert a hard drive into the MultiBay. This adapter is included with the purchase of an optional hard drive.

1. Save all work, exit all applications, and shut down the computer.
2. Push back the slide tab ❶ on the Armada 7000 Hard Drive MultiBay Adapter (Figure 5-19).
3. Lower the hard drive ❷ into the adapter.
4. Slide the hard drive toward the connector ❸ in the adapter until the connectors are seated.

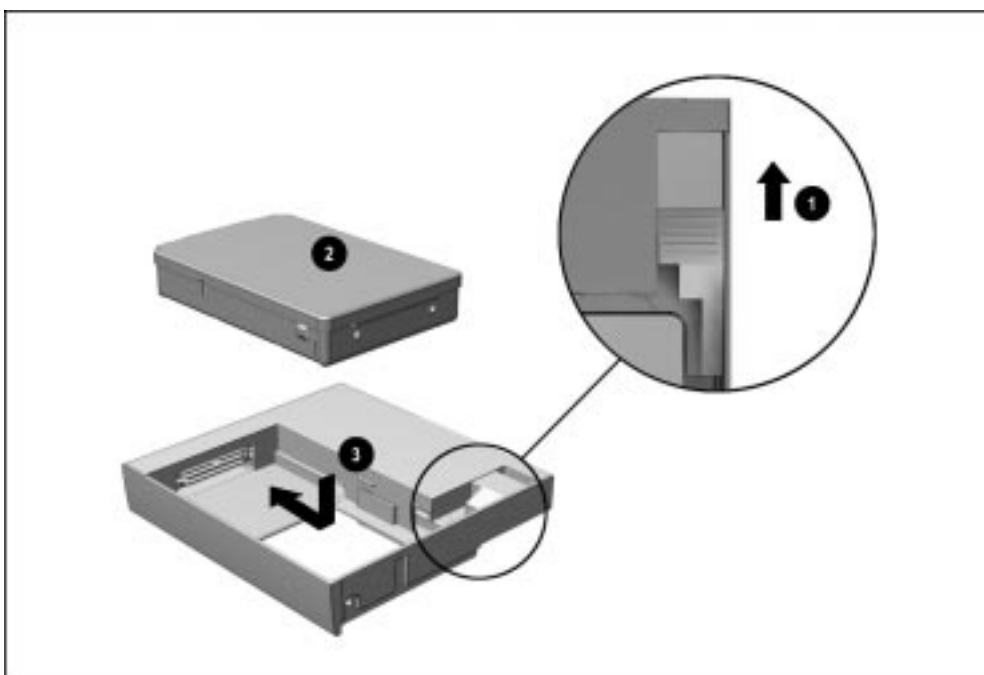


Figure 5-19. Inserting a Hard Drive into an Armada 7000 Hard Drive MultiBay Adapter

5. Release the slide tab.
6. Slide the hard drive assembly into the MultiBay with the bezel facing out.

NOTE: You can secure the hard drive assembly in the MultiBay using a single- or dual-bay security screw included with the computer.

Removing a Hard Drive from the MultiBay

Before removing a hard drive, back up all information on the hard drive.

1. Save all work, exit all applications, and shut down the computer.
2. Tilt the computer at an angle **1** so the bottom of the computer is accessible (Figure 5-20).
3. If the hard drive assembly is secured in the MultiBay with a single- or dual-bay security screw **2**, remove the screw with the security wrench included with the computer.
4. Slide the MultiBay release latch **3** toward the rear of the computer.
5. Grasp the hard drive assembly using the recess **4** beneath the MultiBay.

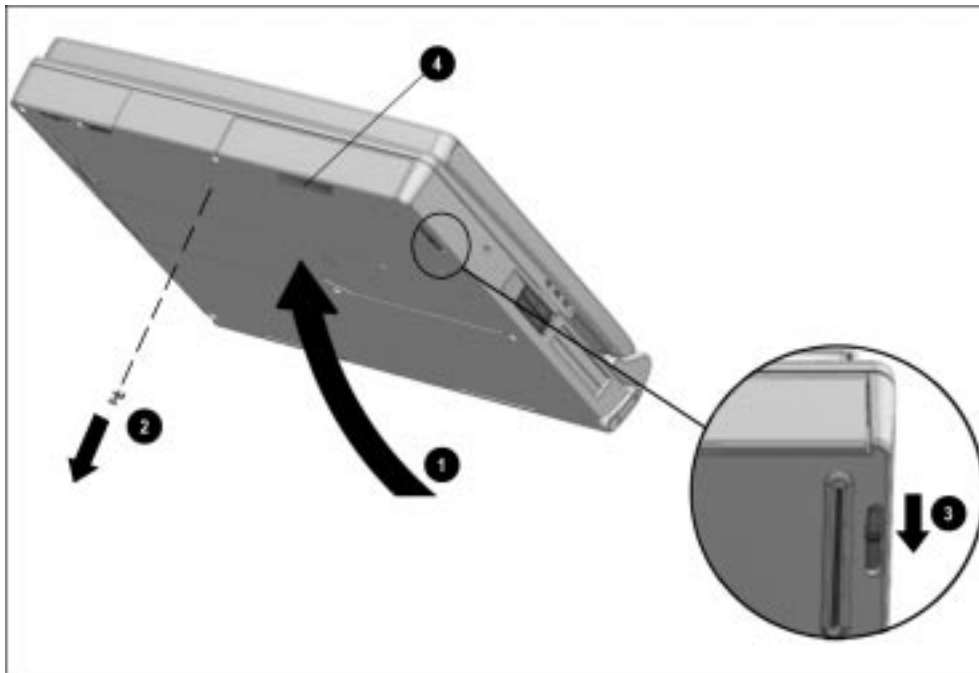


Figure 5-20. Releasing the Hard Drive Assembly from the MultiBay

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6. Pull the hard drive assembly out of the MultiBay (Figure 5-21).



Figure 5-21. *Removing the Hard Drive Assembly from the MultiBay*

If you are not inserting another drive or a battery pack into the MultiBay, insert the MultiBay weight saver included with the computer.

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5.8 MultiBay Devices

Removing MultiBay Devices

1. Save all work, exit all applications, and shut down the computer.
2. Remove the media (diskettes, CD-ROMs, etc.) from the drive. Ensure that the CD tray is closed.
3. Tilt the computer at an angle ❶ so the bottom of the computer is accessible (Figure 5-22).
4. If the drive has been secured in the MultiBay with a single- or dual-bay security screw ❷, remove the screw with the security wrench included with the computer.
5. Slide the MultiBay release latch ❸ toward the back of the computer.
6. Grasp the drive using the recess ❹ beneath the MultiBay.

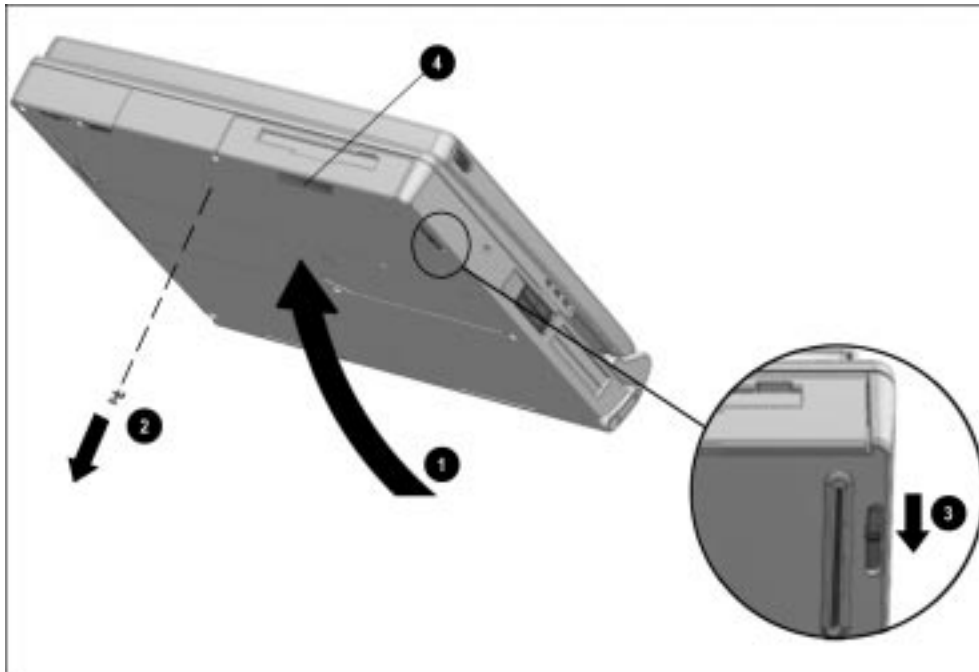


Figure 5-22. Releasing a Drive from the MultiBay

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7. Pull the drive out of the MultiBay (Figure 5-23).



Figure 5-23. *Removing a Drive from the MultiBay*

If you are not inserting another drive or a battery pack into the MultiBay, insert the MultiBay weight saver included with the computer.

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Inserting MultiBay Devices

1. Save all work, exit all applications, and turn off the computer.
2. Remove the media (diskettes, CD-ROM's, etc.) from the drive to be inserted in the MultiBay. Ensure that the CD tray is closed.
3. With the bezel facing out, slide the drive into the MultiBay until it clicks into place (Figure 5-24).



Figure 5-24. Inserting a Drive into the MultiBay

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5.9 Memory Expansion

Removing the Memory Expansion Slot Cover

The memory expansion compartment is located on the bottom of the computer. Either one or two memory expansion boards can be installed at a time.



CAUTION: Electrostatic discharge (ESD) can damage electronic components. Before beginning this procedure, ensure that you are properly grounded. For more information, refer to Appendix C, “Electrostatic Discharge.”

1. Prepare the computer for disassembly (Section 5.3).
2. Remove any battery packs (Section 5.6).



WARNING: Failure to unplug the power cord and remove the battery pack before installing a memory expansion board can damage the equipment and expose you to the risk of electrical shock.

3. Turn the computer upside down and position it so the rear panel faces forward.

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4. Remove the screw that secures the memory expansion slot cover to the computer ❶ (Figure 5-25). A security wrench is needed to remove the screw securing the cover.
 5. Slide the cover to the right ❷ and lift it straight up to remove it.

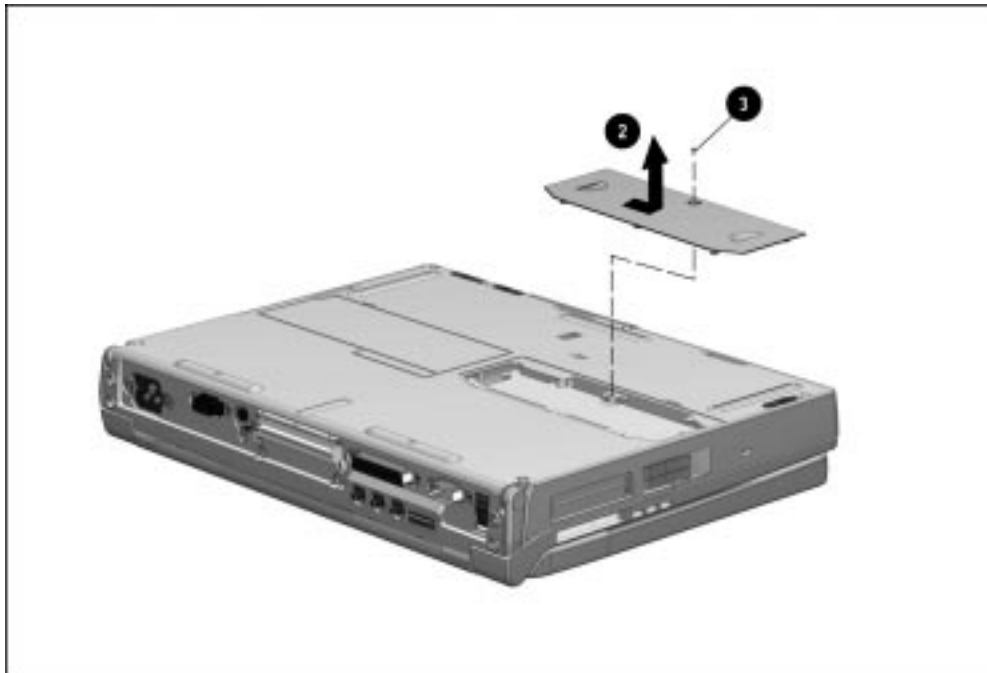


Figure 5-25. Removing the Memory Expansion Slot Cover

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Removing a Memory Expansion Board

1. Lift and hold back the memory insulator ❶. The insulator is not removable (Figure 5-26).
2. Spread the retaining tabs apart.
3. Lift up the edge of the memory expansion board ❷.
4. Pull the memory expansion board out of the memory expansion slot at a 45-degree angle ❸.

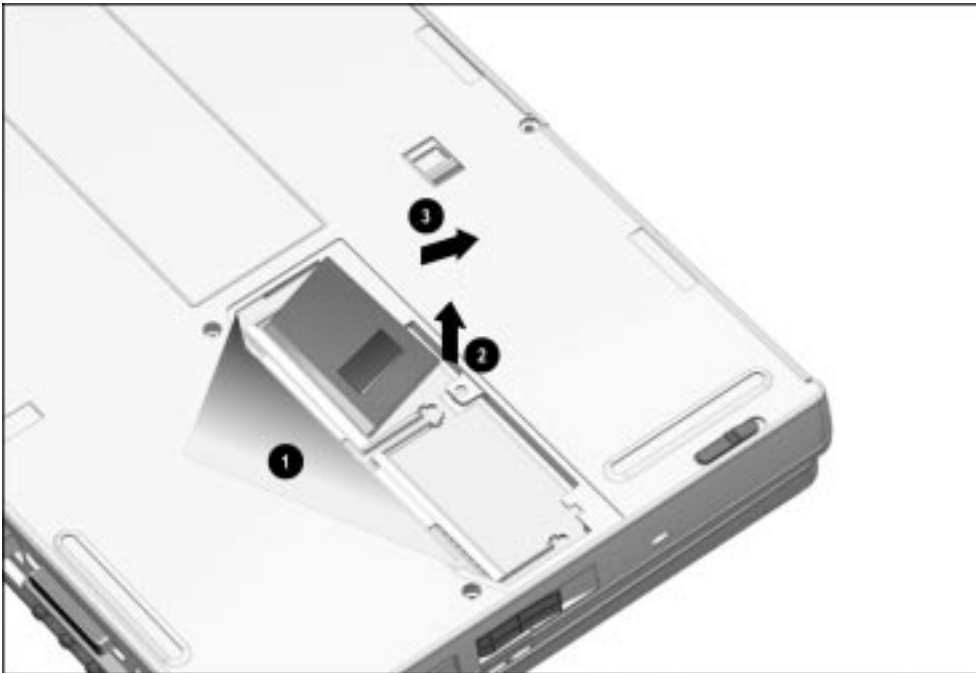


Figure 5-26. *Removing a Memory Expansion Board*

5. Place the memory expansion board in an electrostatic-safe container.
6. If no memory expansion board is to be installed, reset the memory insulator.
7. Replace the memory expansion slot cover and install the screw.

Inserting a Memory Expansion Board

The memory expansion boards are asymmetrically keyed (notched) to ensure correct positioning.

1. Insert the memory expansion board into an empty memory expansion slot at a 45-degree angle ❶ (Figure 5-27).
2. Push the board into place until it is seated.
3. Push the memory expansion board down until the board is seated in the plastic retention clips ❷.

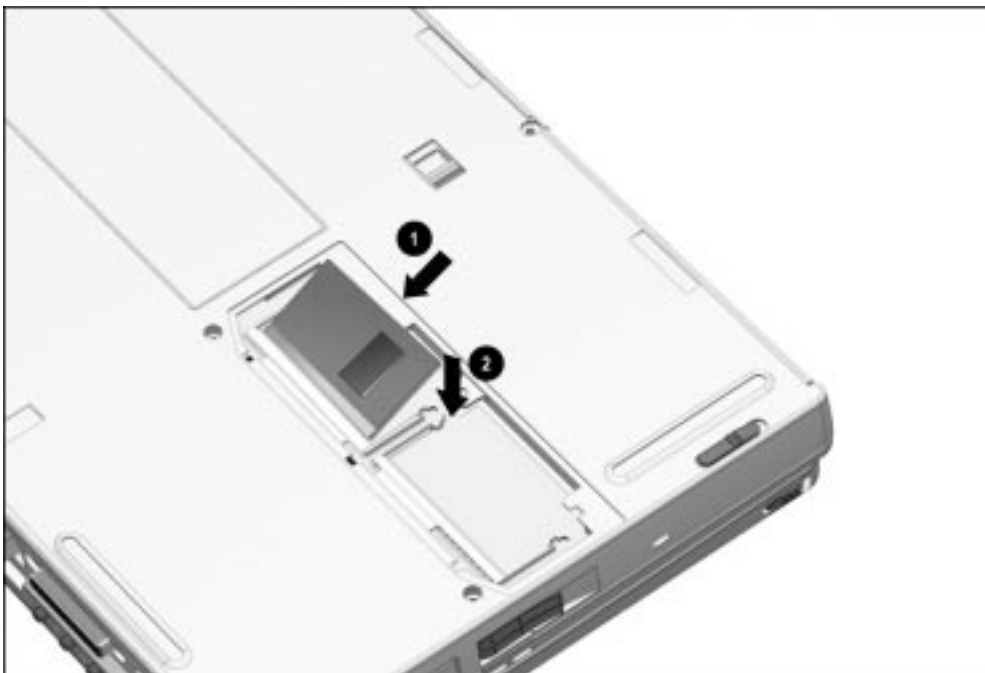


Figure 5-27. inserting a Memory Expansion Board

4. Run Computer Setup (Section 2.5).

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Replacing the Memory Expansion Slot Cover

1. Reset the memory insulator ❶ over the installed memory expansion board(s), ensuring that all edges of the memory insulator are tucked inside the memory expansion compartment (Figure 5-28).
2. Replace the memory expansion slot cover ❷ by placing it flush over the memory expansion compartment, then sliding it left until it is seated.
3. Secure the memory expansion slot cover to the computer with a memory expansion slot cover security screw ❸ or a standard Torx T-10 screw.

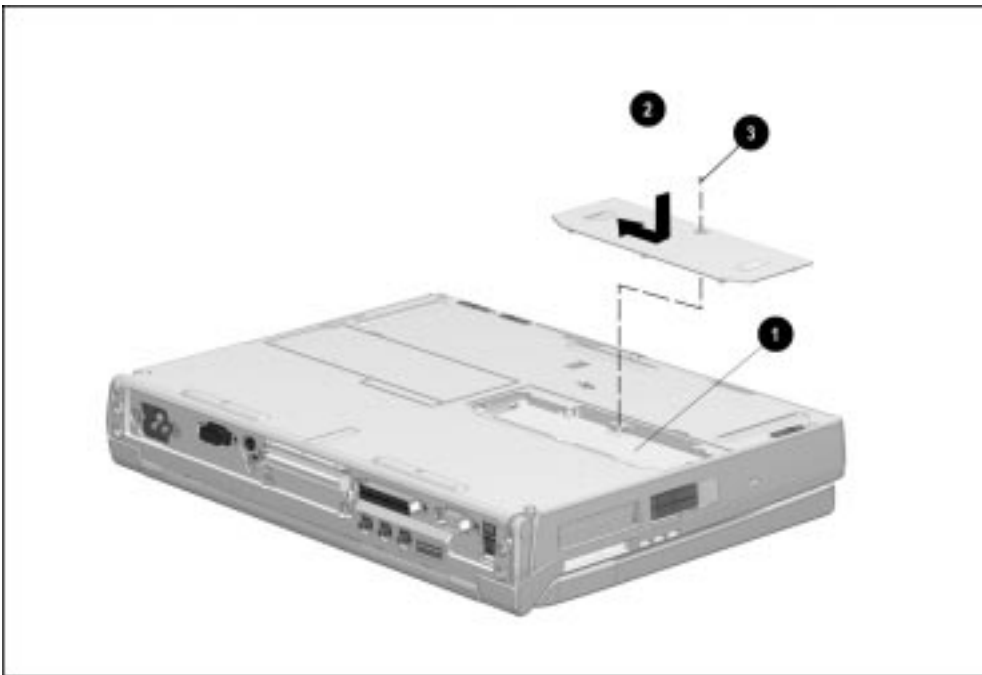


Figure 5-28. Replacing the Memory Expansion Slot Cover

5.10 Keyboard Assembly

The keyboard assembly consists of the keyboard, keyboard bezel, and the pointing device, and is spared as a unit. This assembly must be removed to gain access to the interior components of the computer.

1. Prepare the computer for disassembly (Section 5.3).
2. Remove any battery packs (Section 5.6).
3. Turn the computer upside down with the rear panel facing forward.
4. Remove the nine screws from the bottom of the computer (Figure 5-29).



CAUTION: The two screws removed from the highlighted screw holes are shorter than the other seven screws. Make sure these shorter screws are installed in the same locations when replacing the keyboard assembly. Failure to follow this caution can result in damage to the computer.

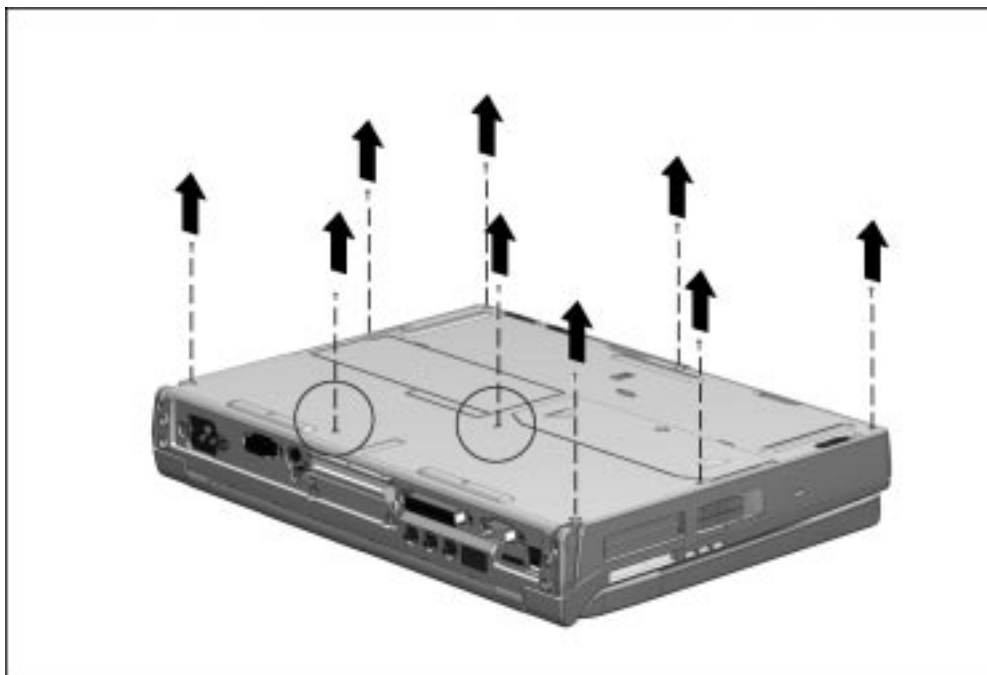


Figure 5-29. Removing the Keyboard Assembly Screws

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5. Turn the computer right side up with the front of the computer facing forward.
 6. Open the computer as far as it will open.

NOTE: With the display open and the battery pack and hard drive removed, the weight of the display makes the computer susceptible to being easily tipped over.

7. Remove the keyboard warning label from the keyboard and remove the two screws securing the keyboard to the computer (Figure 5-30).



Figure 5-30. Removing the Keyboard Warning Label and Screws

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8. Lift the keyboard assembly straight up and away from the computer (Figure 5-31).



Figure 5-31. *Removing the Keyboard Assembly*

Reverse the above procedure to reinstall the keyboard assembly.

IMPORTANT: A set of keyboard warning labels is included with each keyboard assembly spare part kit and various other spare part kits and spare parts that require removal of the keyboard assembly. Select a language from the set and place the label in the upper right corner of the keyboard assembly. This label contains a warning message to prevent physical discomfort and harm. This label is essential.

5.11 Auxiliary Battery

NOTE: These instructions apply only to computer models with config. codes beginning with “CD”, “CH”, and “CZ”. Refer to Section 5.19, “Display Assembly and Auxiliary Battery”, for instructions on removing the auxiliary battery from computers with other config. codes.

Removing the Auxiliary Battery

1. Prepare the computer for disassembly (Section 5.3).
2. Remove any battery packs (Section 5.6).
3. Remove the keyboard assembly (Section 5.10).
4. Disconnect the auxiliary battery cable ❶ (Figure 5-32).
5. Remove the auxiliary battery from the base enclosure ❷.

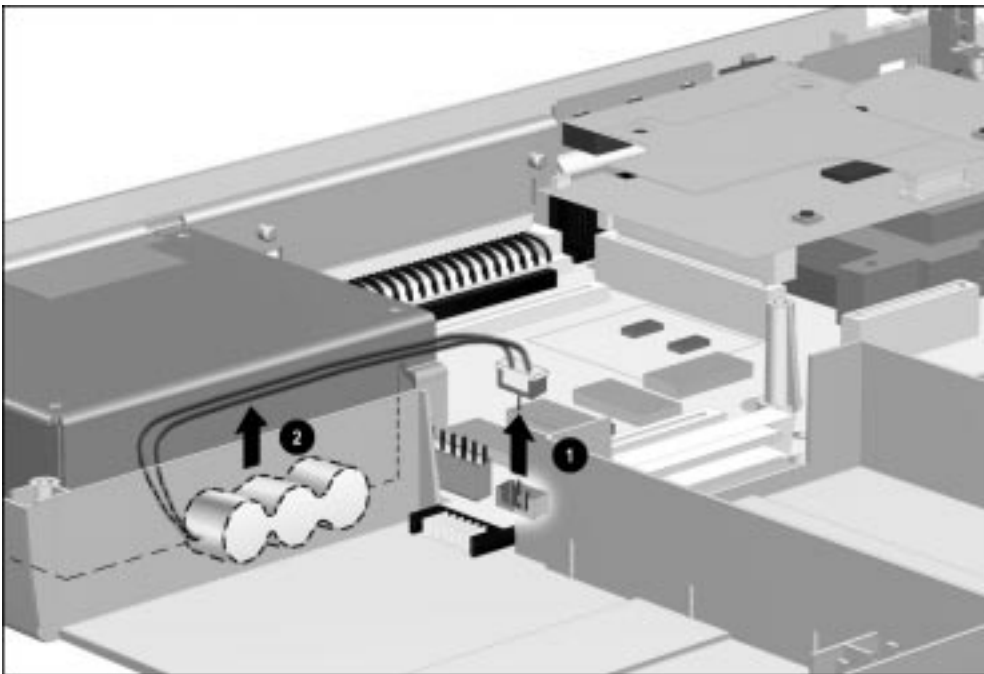


Figure 5-32. Removing the Auxiliary Battery

Installing the Auxiliary Battery

NOTE: These instructions apply only to computer models with config. codes beginning with “CD”, “CH”, and “CZ”. Refer to Section 5.19, “Display Assembly and Auxiliary Battery”, for instructions on installing the auxiliary battery on computers with other config. codes.

1. Remove the protective backing from the insulator.
2. With the auxiliary battery cable positioned to the left, attach the insulator to the auxiliary battery ❶. Align the left edge of the insulator with the spot on the auxiliary battery where the cable is attached (Figure 5-33).
3. Fold the right side of the insulator over the auxiliary battery ❷. Make sure the insulator adheres to and covers the top surface of the battery.
4. Fold up the two side flaps on the insulator ❸. Make sure the insulator adheres to the sides of the auxiliary battery.

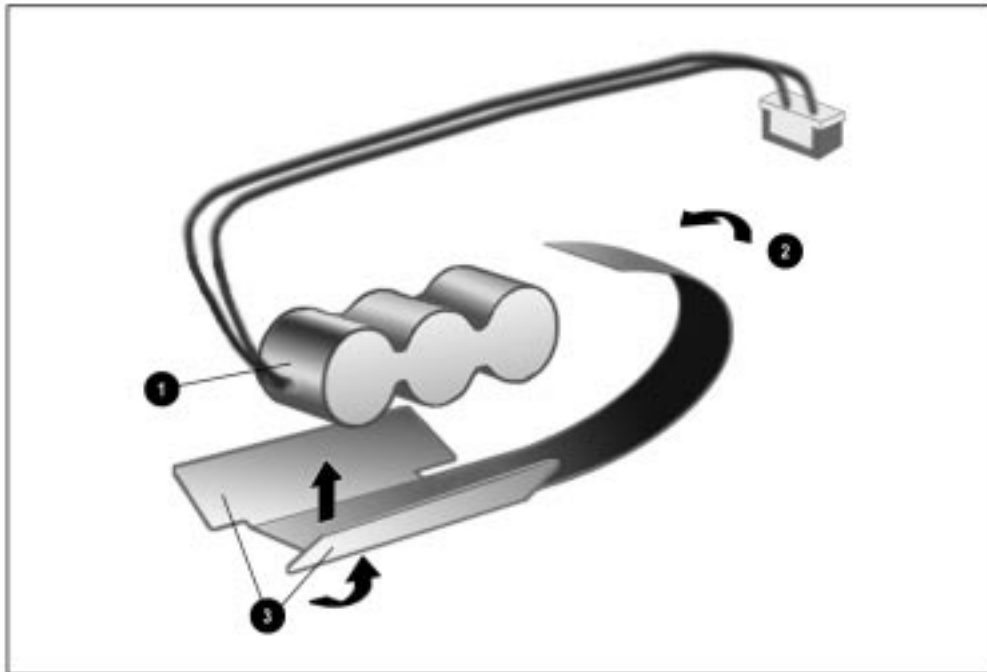


Figure 5-33. Attaching the Insulator to the Auxiliary Battery

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5. Remove the protective backing on one of the velcro strips and attach it to the box that appears on the system board in front of the power supply ❶ (Figure 5-34).
 6. Use the hook and loop feature of the velcro strips to attach the second velcro strip to the velcro strip attached to the system board ❷. Remove the protective backing on the second velcro strip.
 7. Attach the auxiliary battery and insulator ❸ to the top of the second velcro strip. Make sure the left edge of the insulator is aligned with the left edge of the velcro strips attached to the system board.
 8. Route the auxiliary battery cable behind the battery and connect the cable to the connector on the system board ❹.

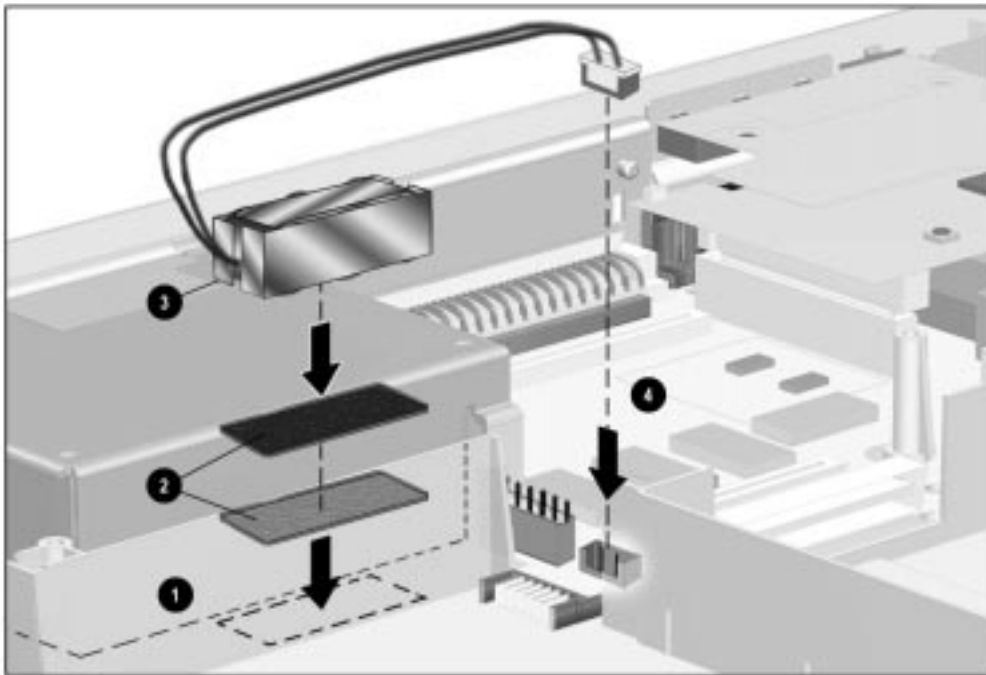


Figure 5-34. *Installing the Auxiliary Battery*

5.12 Power Supply

The power supply is located in the rear left side of the computer. The power supply attaches and connects to the system board.

1. Prepare the computer for disassembly (Section 5.3).
2. Remove any battery packs (Section 5.6).
3. Remove the keyboard assembly (Section 5.10).
4. Remove the left rear cover ❶ by sliding the cover toward the front of the computer and lifting it off the power supply (Figure 5-35).
5. Use the connector removal tool to disconnect the power supply cable ❷ from the system board.
6. Remove the two screws that secure the power supply to the system board and the screw that secures the ground clip to the processor module assembly ❸. Make sure the ferrite beads on the power supply cable do not obstruct the removal of the inboard screw.

NOTE: Make special note of the alignment and orientation of the ground clip. The longer horizontal plane should be on top when it is replaced.

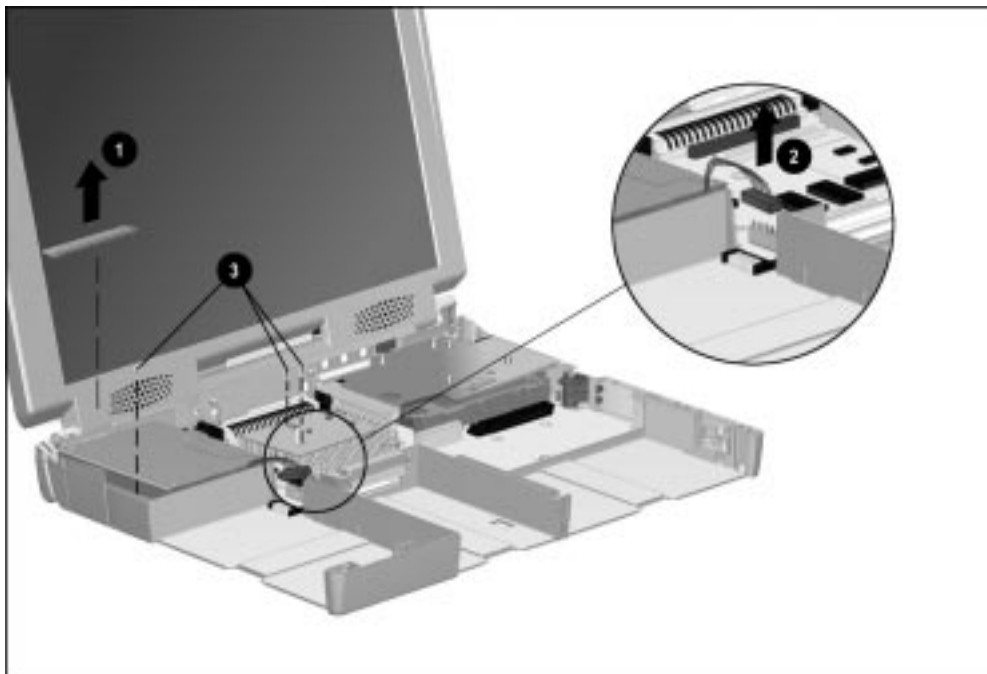


Figure 5-35. Removing the Left Rear Cover and Disconnecting the Power Supply Cable

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7. Position the computer so the rear panel faces forward.
 8. Remove the two screws ❶ that secure the power supply to the I/O bracket (Figure 5-36).
 9. Position the computer so the front faces forward.
 10. Lift up on the front of the power supply ❷ and swing it up and away until it clears the computer.

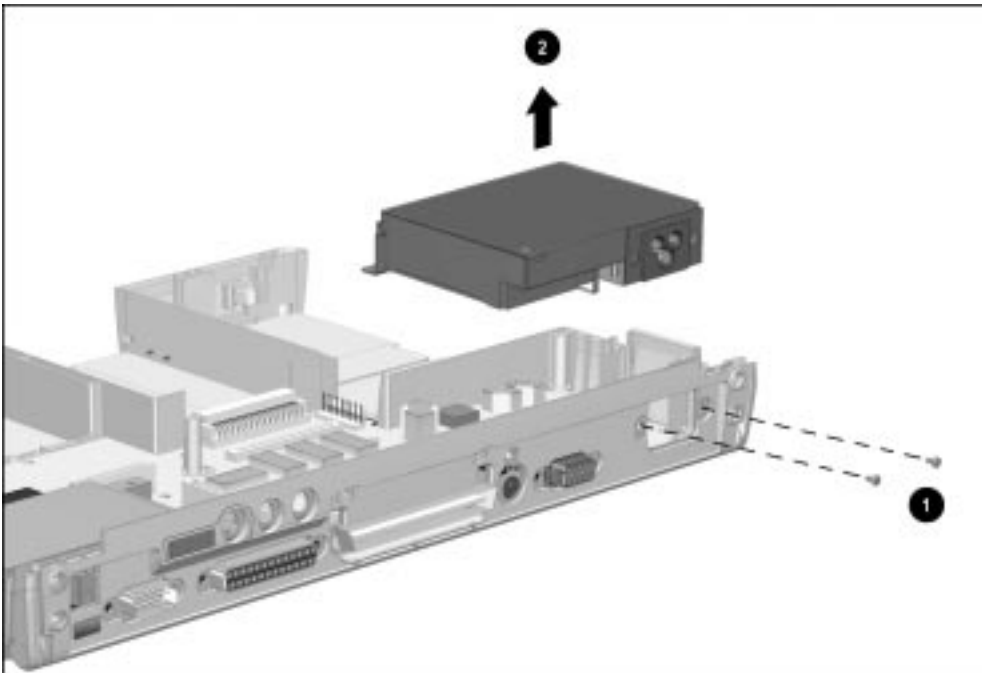


Figure 5-36. Removing the Power Supply

Reverse the above procedure to install the power supply.



CAUTION: Make sure the fan cable is not pinched when installing the power supply. Also make sure the power supply cable is tucked away from the battery connector and battery charging bay. Failure to follow these cautions can result in damage to the fan and power supply.

5.13 Fan Assembly

The fan assembly consists of the motorized fan and a rubber mounting sleeve. The fan assembly is mounted on the left side of the computer and is connected to the system board.

1. Prepare the computer for disassembly (Section 5.3).
2. Remove all battery packs (Section 5.6).
3. Remove the keyboard assembly (Section 5.10).
4. Use the connector removal tool to disconnect the cable ❶ connecting the fan assembly to the system board (Figure 5-37).
5. Release the fan assembly from the brackets ❷ that secure either side of the assembly by pulling the brackets apart.
6. Lift the fan assembly out of the computer ❸.

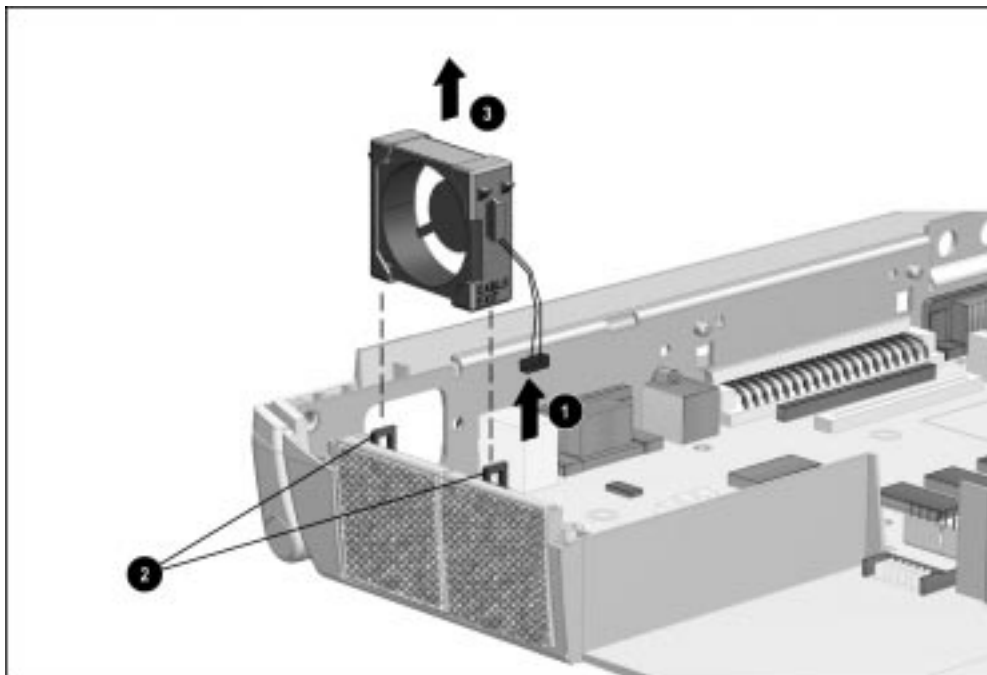


Figure 5-37. Removing the Fan Assembly

Reverse the above procedure to install the fan assembly. When installing it, make sure the alignment tabs on the sides of the rubber mounting sleeve slide into the slots on the fan mounting rails on the computer base assembly. Also make sure the fan cable is routed between the power supply and the base assembly.

IMPORTANT: When installing the fan, make sure it is oriented with the airflow arrow (located on the side of the fan) pointing to the outside of the computer.

5.14 Audio/USB Board

The audio/USB board is located in the right rear area of the computer and connects to the modem or audio only board. The keyboard assembly must be removed to access the audio/USB board.

1. Prepare the computer for disassembly (Section 5.3).
2. Remove all battery packs (Section 5.6).
3. Remove the keyboard assembly (Section 5.10).
4. Position the computer so the rear panel faces forward.
5. Remove the two screws on either side of the USB connector (Figure 5-38).

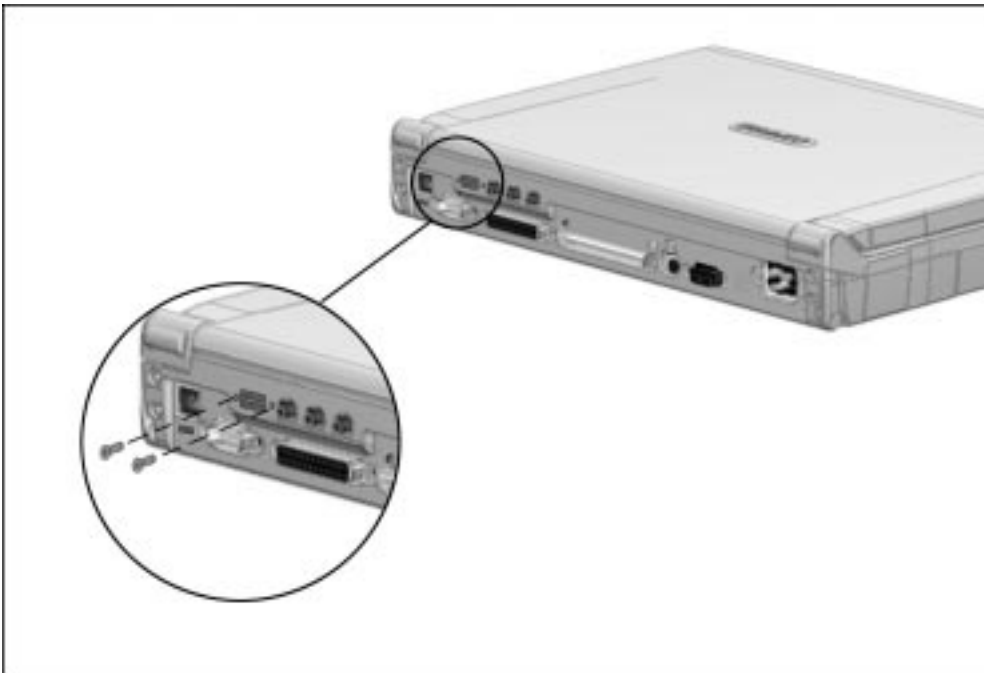


Figure 5-38. Removing the Audio/USB Board Screws

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6. Position the computer so the front faces forward.
 7. Remove the screw that secures the right rear cover to the modem board and remove the right rear cover ❶ (Figure 5-39).
 8. Lift up on the front of the audio/USB board ❷ until the connector disconnects and swing the board up and away from the computer.
 9. Remove the audio/USB board insulator ❸.

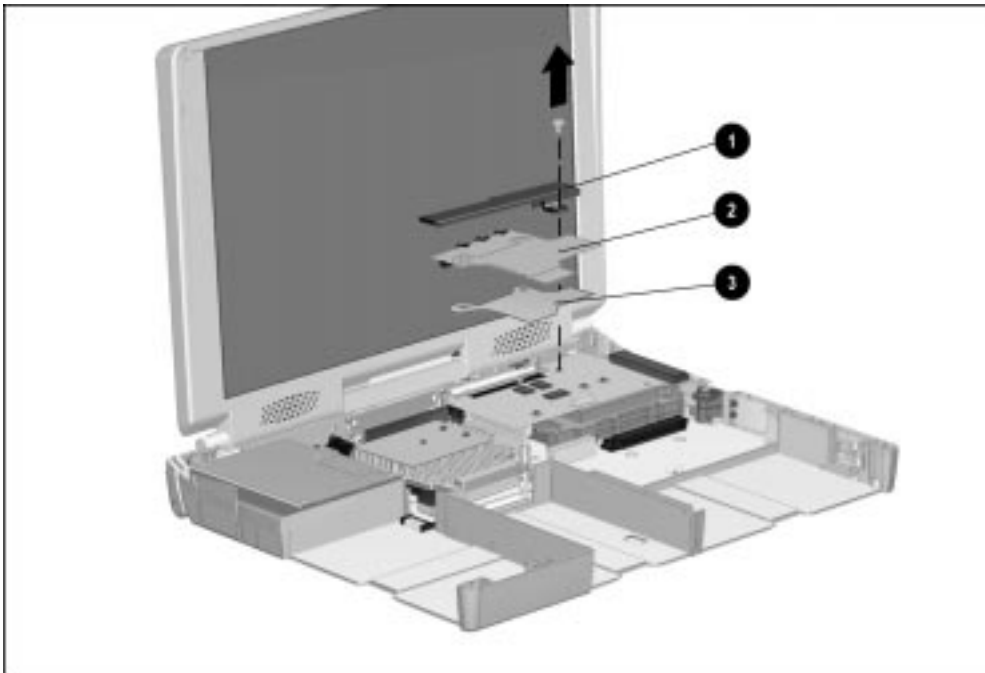


Figure 5-39. Removing the Audio/USB Board

Reverse the above procedure to install the audio/USB board.

5.15 Modem Board

The modem board is located in the right rear area of the computer and connects to the audio/USB and system boards. The keyboard assembly and audio/USB board must be removed to access the modem board. Computers not equipped with a modem contain an audio only board in the same location. Removal procedures are the same for the audio only board.

1. Prepare the computer for disassembly (Section 5.3).
2. Remove all battery packs (Section 5.6).
3. Remove the keyboard assembly (Section 5.10).
4. Remove the audio/USB board (Section 5.14).
5. Disconnect the display audio cable from the modem board ❶ (Figure 5-40).



CAUTION: The display audio cable and its connector are fragile. Handle the cable by the stiffener material on the connector and lift the connector straight up. Failure to follow this caution can result in damage to the cable and connector on the modem/audio only board.

6. Remove the screw ❷ that secures the modem board to the audio assembly bracket.
7. Lift up on the left side of the modem board until the connection to the system board disconnects. Lift the modem board out of the computer ❸.

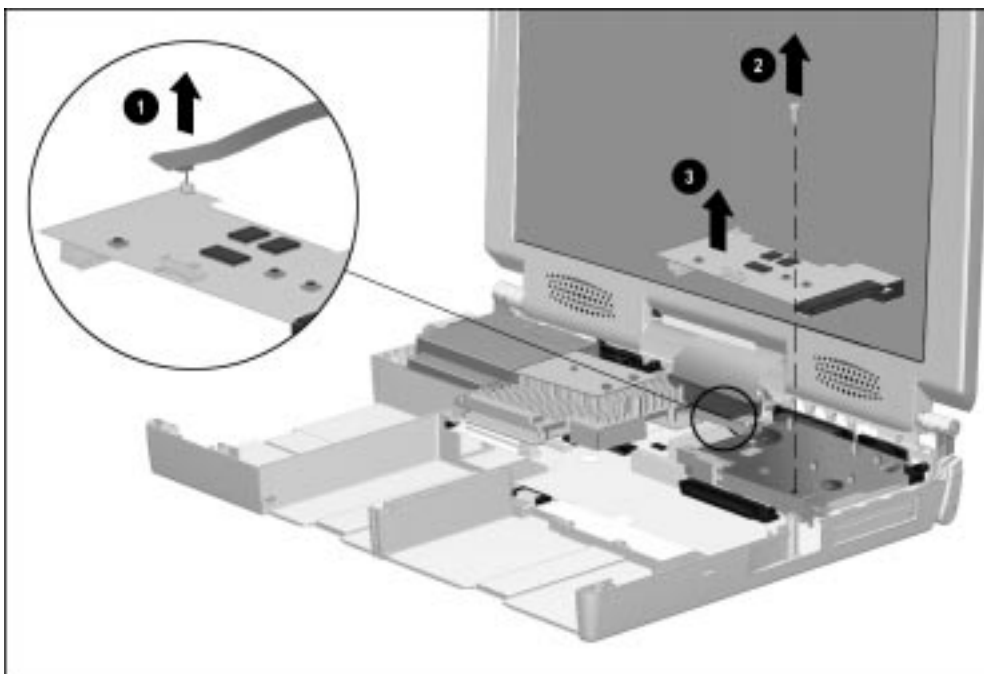


Figure 5-40. Removing the Modem Board

Reverse the above procedure to install the modem board or audio only board.

5.16 Audio Assembly Bracket

The audio assembly bracket is located in the right rear area of the computer and covers the PC Card assembly. The audio/USB board and modem board are secured to the audio assembly bracket.

1. Prepare the computer for disassembly (Section 5.3).
2. Remove all battery packs (Section 5.6).
3. Remove the keyboard assembly (Section 5.10).
4. Remove the audio/USB board (Section 5.14).
5. Remove the modem board (on modem models, Section 5.15).
6. Remove the three screws ❶ that secure the audio assembly bracket to the system board and the screw ❷ that secures the audio assembly bracket to the processor module assembly (Figure 5-41).

NOTE: Computer models with config. codes beginning with “CD”, “CH”, and “CZ” do not have the screw ❷ securing the audio assembly bracket to the processor module assembly or a thermal pad attached to the processor module assembly, as described in Step 7. Additionally, these computer models have a shorter screw in the location circled in the illustration below.

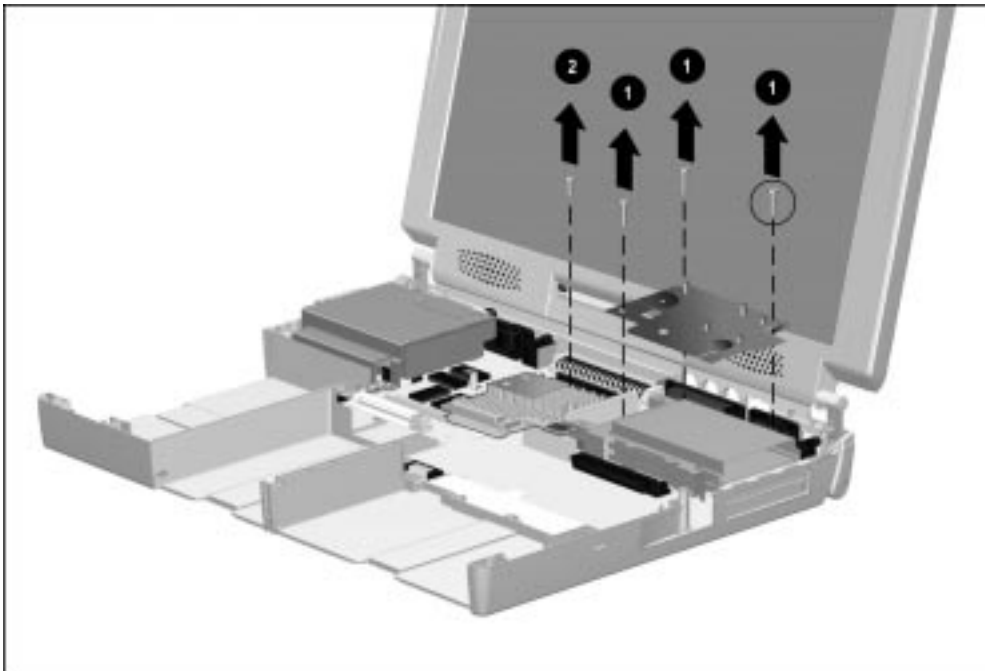


Figure 5-41. Removing the Audio Assembly Bracket

7. Lift the audio assembly bracket out of the computer. Firm pressure is required to remove it as it is attached to the processor module assembly by a thermal pad.



CAUTION: To avoid damaging the PC Card assembly, lift the bracket straight up. Failure to follow this caution can result in damage to the PC Card assembly.

Reverse the above procedure to install the audio assembly bracket.

IMPORTANT: This step applies only to computer models with config. codes beginning with “BS”, “BZ”, and “CB”.

When the audio assembly bracket is removed, the thermal pad ❶ that separates the bracket from the processor module assembly can leave residue on the underside of the audio assembly bracket ❷ and the top of the heat sink on the processor module assembly ❸ (Figure 5-42).

Scrape any residue from both components. Install a new thermal pad on the processor module assembly ❸ before replacing the audio assembly bracket. A new thermal pad is spared with the processor module assembly and in the Miscellaneous Hardware Kit.

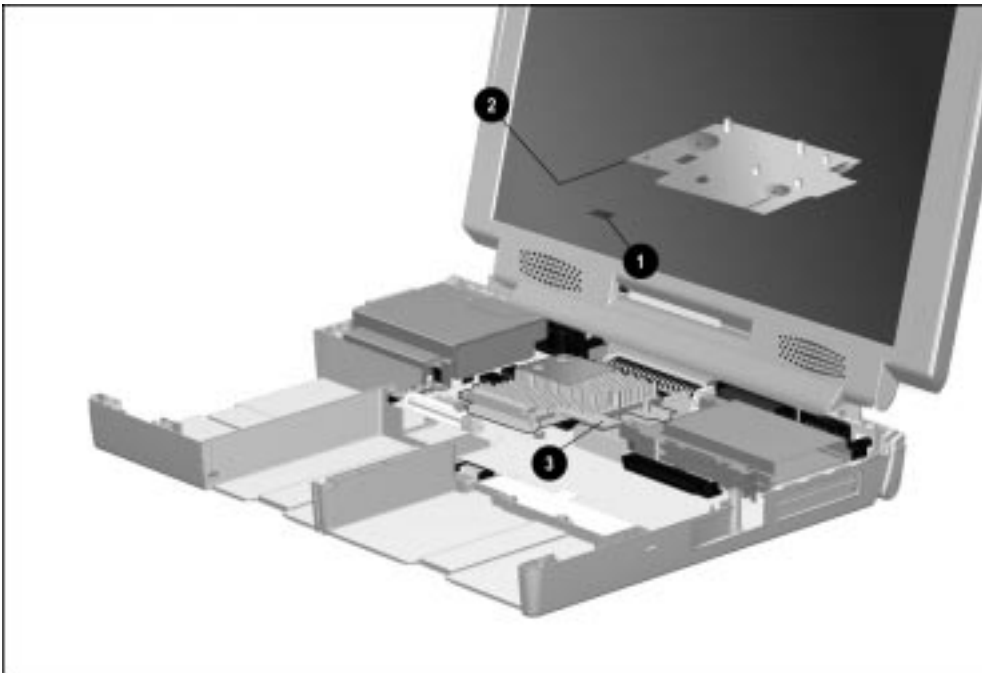


Figure 5-42. Location of Thermal Pad on the Processor Module Assembly



CAUTION: When installing the audio assembly bracket, make sure the auxiliary battery cable is routed between the modem connector ❶ and the audio assembly bracket ❷. Make sure the cable is not pinched by the screw standoff on the audio assembly bracket (Figure 5-43).

NOTE: This caution applies only to computer models with config. codes beginning with "BS", "BZ", and "CB". Refer to Section 5.11, "Auxiliary Battery", for instructions on routing the auxiliary battery cable on computer models with other config. codes.

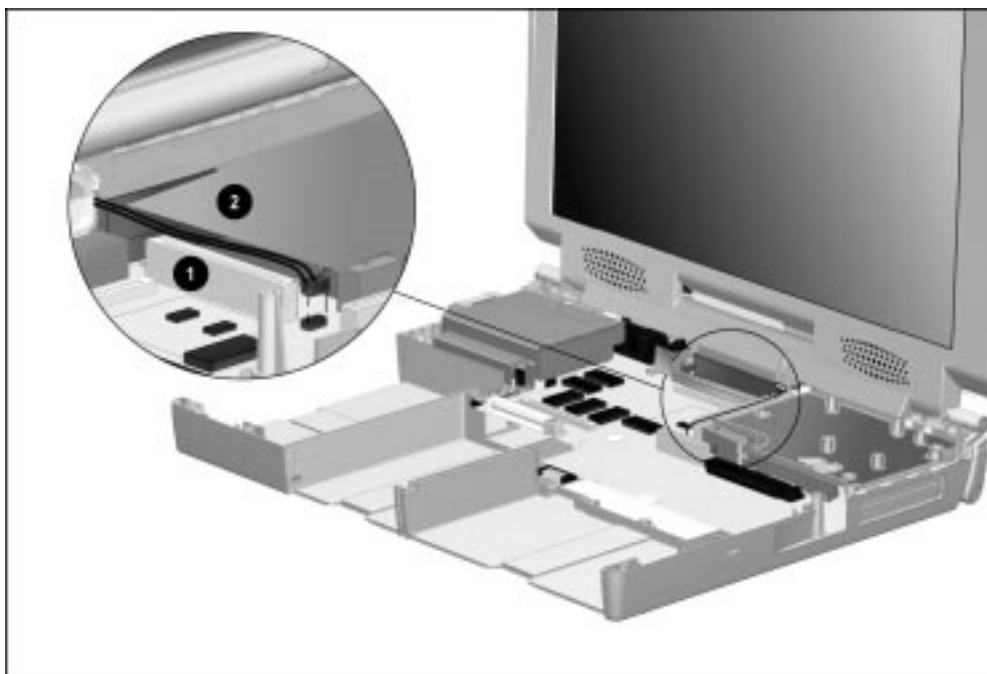


Figure 5-43. Routing the Auxiliary Battery Cable