



HP C8000 Workstation Disassembly Procedures

410892-001

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1 Product End-of-Life Disassembly Instructions

This document describes the disassembly of an HP workstation for the removal of Annex-2 components.

1.1 Product Identification

The procedures in this document apply to the workstation identified in Table 1-1.

Table 1-1 Product ID

Marketing Name / Model	Description
HP C8000 Workstation	Workstation

1.2 Purpose

This document is for end-of-life recyclers or treatment facilities. It provides basic instructions for disassembling an HP workstation to remove components and materials that require selective treatment.

1.3 Removal Items

Table 1-2 lists the items to be removed.

Table 1-2 Removal Items

Item Description	Notes	Quantity of Items in Workstation
Printed Circuit Boards (PCB) or Printed Circuit Assemblies (PCA) with a surface greater than 10 square cm		Four—two in the power supply, one graphics card, and one system board. (Additional cards may be present depending on the configuration.)
Batteries	All types including standard alkaline and lithium coin or button style batteries	One
Components containing mercury	Examples: mercury in lamps, display backlights, scanner lamps, switches, batteries	None
Liquid Crystal Displays (LCD) with a surface greater than 100 square cm	Includes background illuminated displays with gas discharge lamps	None
Cathode Ray Tubes (CRT)		None



Item Description	Notes	Quantity of Items in Workstation
Capacitors / condensers that contain PCB / PCT		None
Electrolytic capacitors / condensers that measure greater than 2.5 cm in diameter or height		Fourteen on the power supply PCB cards.
External electrical cables and cords		One
Gas Discharge Lamps		None
Plastics containing Brominated Flame Retardants		None
Components and parts containing toner and ink, including liquids, semi-liquids (gel/paste), and toner	Includes the cartridges, print heads, tubes, vent chambers, and service stations	None
Components and waste that contain asbestos		None
Components, parts, and materials that contain refractory ceramic fibers		None
Components, parts, and materials that contain radioactive substances		None

1.4 Required Tools

Table 1-3 lists the tools required for disassembly.

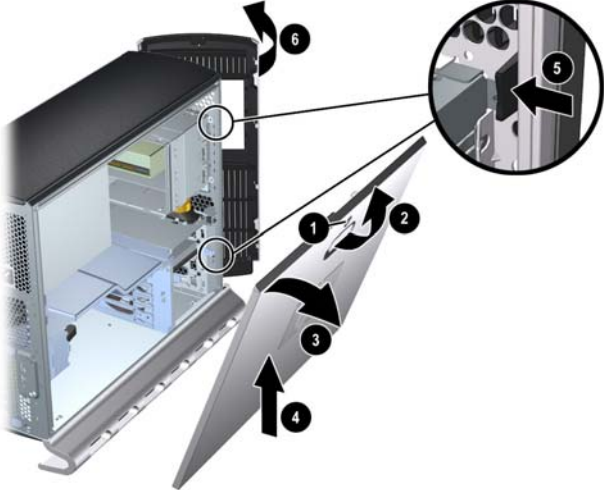
Table 1-3 Required Tools

Tool Description	Tool Size (if applicable)
Torx drivers, screwdriver, diagonal cutter	

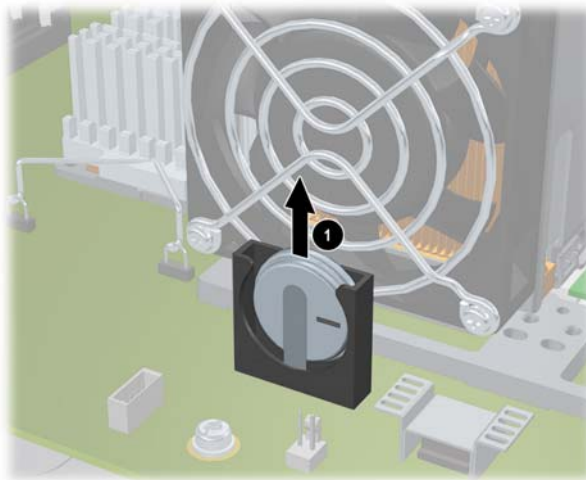
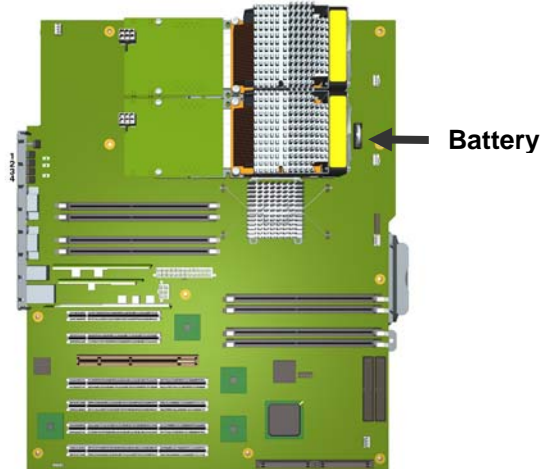
2 Workstation Disassembly Procedures

Table 2-1 lists the steps to follow to disassemble the workstation.

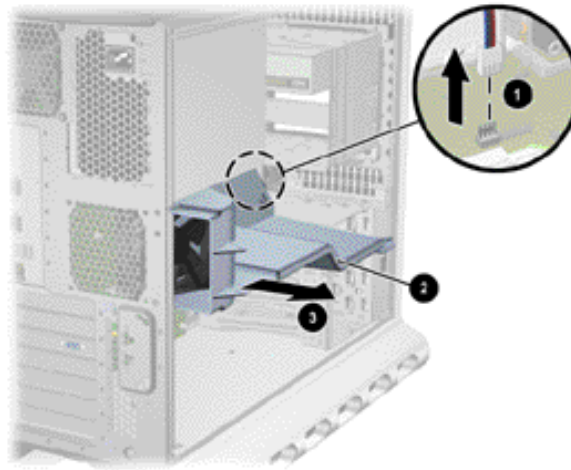
Table 2-1 Workstation Disassembly

1.	Remove/disengage any security devices that prohibit opening the workstation.
2.	Disconnect the power cord from the electrical outlet and then from the workstation.
3.	Disconnect all peripheral device cables from the workstation.
4.	<p>Remove the main system access panel and the front access panel.</p> <p>To remove the main system access panel, unlock the panel if it is locked ❶. Pull out on the latch to release it ❷. Rotate the panel ❸ and lift it off ❹.</p> <p>To remove the front system access panel, Depress the clips on the inside of the case to release the front panel ❺. Rotate the panel and lift it off ❻.</p> 
5.	Disconnect all internal cables from the system board, power supply, and other components.

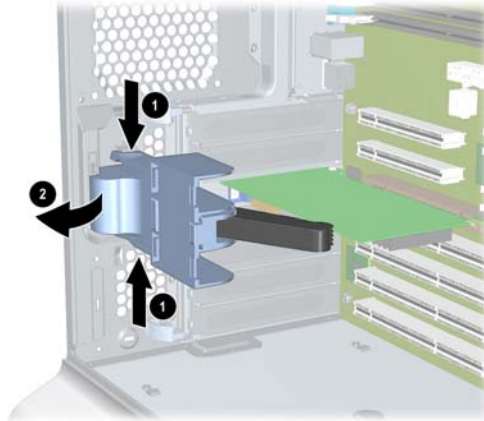
6. Remove the system battery. Carefully pull the retainer clip away from the battery. Then rotate and lift ❶ the battery out of its holder.



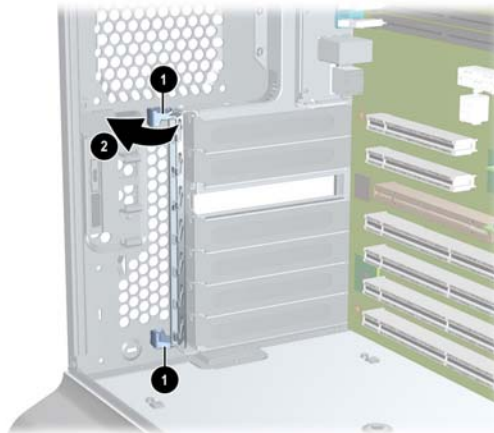
7. Remove airflow guide and memory fan. Unplug the memory fan connector from the system board ❶. Grasp the airflow guide ❷ and lift it out of the system ❸.



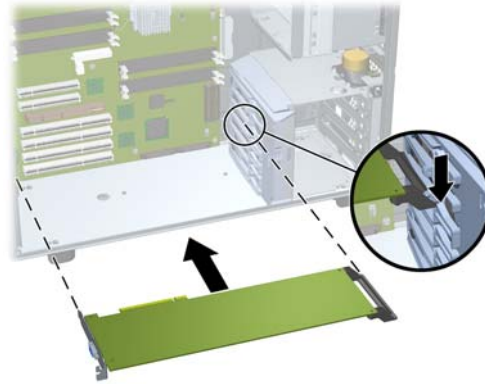
8. Remove PCI and AGP cards. Remove the AGP retainer if it is blocking the card you wish to access. Press in on the release snaps on the AGP retainer ❶. Rotate the retainer outwards ❷ and lift it out of the system.



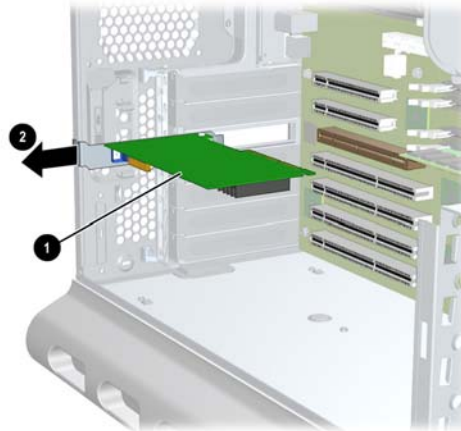
Open the PCI/AGP retainer clip. Push in on the two blue levers at the ends of the PCI/AGP retainer clip ❶ then rotate the clip into the open position ❷.



Remove the card. If the card is an audio card, unplug the connectors attached to the front control panel. If the card is a full length card, push the card edge stop to the side to allow the card to slide out of the guide.



Grasp the card at the edges ❶ and lift it out of the slot ❷.



9. Remove the power supply from the chassis.

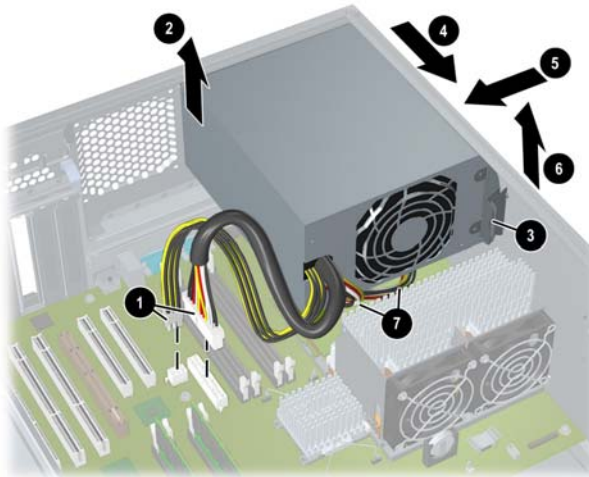
Unplug the power supply power connectors from all components **1**.

Loosen the thumbscrew that secures the power supply to the rear panel **2**.

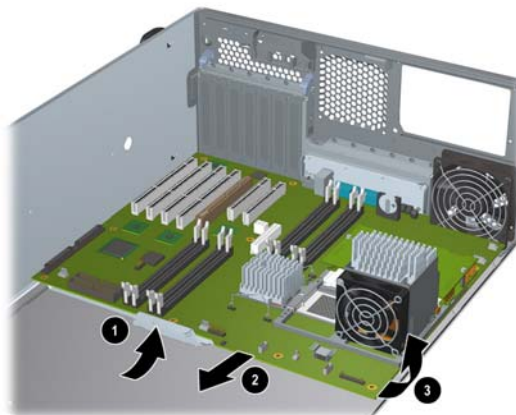
While supporting the power supply weight with your hand **3**, reach inside the system chassis and pull the lever that locks the power supply in place **4**.

Slide the power supply toward the front of the chassis **5** and toward the PCI slots **6**, then lift it out **7**.

Unplug the power supply cables that connect to the power module(s) **8**.



10. Remove the system board. Depress the lever on the edge of the system board to release it from the chassis **1**. Slide the system board toward the front of the system **2**. Lift up the edge of the system board and lift it out of the chassis **3**.



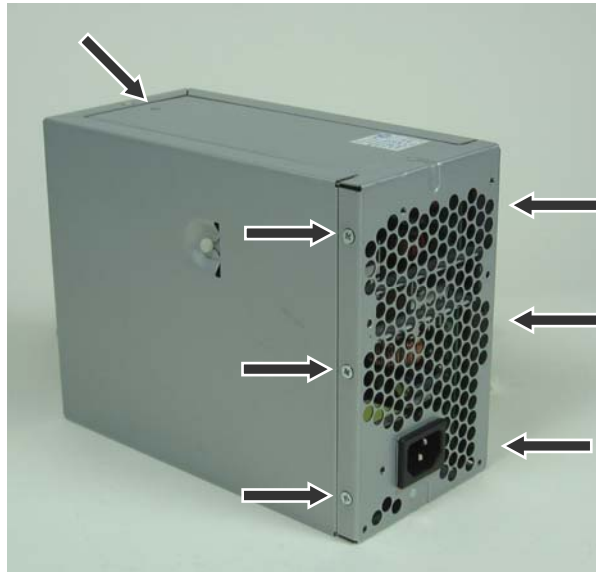
3 Power Supply Disassembly Procedures

Table 3-1 lists the steps to follow to disassemble the power supply.

Table 3-1 Power Supply Disassembly

1.	Use Table 1-2 to identify all components to be removed.
2.	<p data-bbox="342 653 812 688">Cut the cable tie at the rear of the unit.</p> 

3. Remove the seven power supply chassis screws—three on each side of the front, and one at the top back.



4. Slide the chassis housing from the power supply unit.



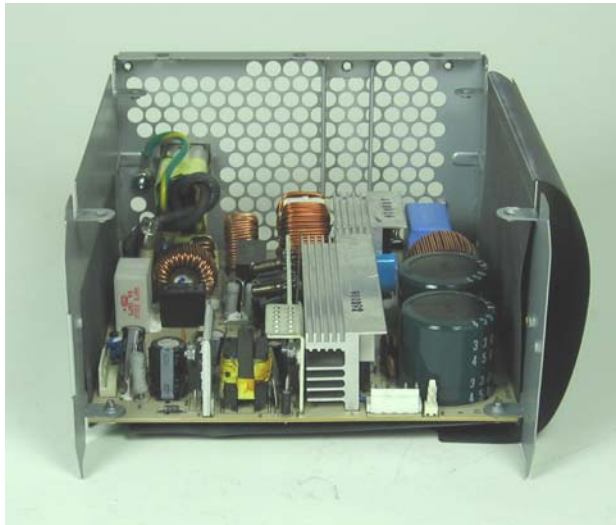
5. Remove the four screws from the corners of the first PCB card. Pull the card loose from the chassis.



6. Unplug the connectors that connect the two PCB cards together. Remove the first PCB card from the chassis.



7. Ensure that all capacitors are safely discharged. Use a diagonal cutter to remove the desired components from both PCB cards. (Note that some components may need to be unsoldered if a diagonal cutter does not fit between the component and the PCB card.)



8. Dispose of all removed components according to regulatory requirements.



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