



# Product End-of-Life Disassembly Instructions

**Product Category: Personal Computers**

**Marketing Name / Model**

**[List multiple models if applicable.]**

Name / Model #1 HP xw3400 Workstation

Name / Model #2

Name / Model #3

**Purpose:** The document is intended for use by end-of-life recyclers or treatment facilities. It provides the basic instructions for the disassembly of HP products to remove components and materials requiring selective treatment, as defined by EU directive 2002/96/EC, Waste Electrical and Electronic Equipment (WEEE).

## 1.0 Items Requiring Selective Treatment

1.1 Items listed below are classified as requiring selective treatment.

1.2 Enter the quantity of items contained within the product which require selective treatment in the right column, as applicable.

Item Description	Notes	Quantity of items included in product
Printed Circuit Boards (PCB) or Printed Circuit Assemblies (PCA)	With a surface greater than 10 sq cm	3 (main sys bd, 2 power supply)
Batteries	All types including standard alkaline and lithium coin or button style batteries	1
Mercury-containing components	For example, mercury in lamps, display backlights, scanner lamps, switches, batteries	
Liquid Crystal Displays (LCD) with a surface greater than 100 sq cm	Includes background illuminated displays with gas discharge lamps	
Cathode Ray Tubes (CRT)		
Capacitors / condensers (Containing PCB/PCT)		
Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height		4
External electrical cables and cords		
Gas Discharge Lamps		
Plastics containing Brominated Flame Retardants		
Components and parts containing toner and ink, including liquids, semi-liquids (gel/paste) and toner	Include the cartridges, print heads, tubes, vent chambers, and service stations.	
Components and waste containing asbestos		
Components, parts and materials containing refractory ceramic fibers		
Components, parts and materials containing radioactive substances		

## 2.0 Tools Required

List the type and size of the tools that would typically be used to disassemble the product to a point where components and materials requiring selective treatment can be removed.

Tool Description	Tool Size (if applicable)
Description #1 Phillips screwdriver	
Description #2 Diagonal cutters (Dikes)	
Description #3 Torx screwdriver	T-15
3.0 Product Disassembly Process	

3.1 List the basic steps that should typically be followed to remove components and materials requiring selective treatment:

1. To remove the access panel (see Figure 1):
  - a. Loosen the captive thumbscrew (1) that secures the access panel to the computer chassis.
  - b. Slide the access panel (2) back about 1/2 inch (1.3 cm), then lift it off the unit.
- 1 Remove or cut all expansion cards, cables, and any other devices from the system board.
- 2 To remove the system board, remove the six screws that secure the system board to the chassis (1), then slide the system board toward the front of the chassis to remove it (2) (see Figure 2).
- 3 To remove the battery: Locate the battery and battery holder on the system board. Depending on the type of battery holder on the system board, complete the following instructions to remove the battery. TYPE 1 BATTERY HOLDER (see Figure 3): Lift the battery out of the holder. TYPE 2 BATTERY HOLDER (see Figure 4): To release the battery from its holder, squeeze the metal clamp that extends above one edge of the battery. When the battery pops up, lift it out. TYPE 3 BATTERY HOLDER (see Figure 5): Pull back on the clip that holds the battery in place, and then remove the battery.
5. To remove the power supply (see Figure 6):
  - a. Remove the screws that connect the power supply to the chassis (1).
  - b. Pull the power supply towards the front of the chassis then, lift the power supply from the chassis (2).
6. To remove the power supply PCA: HP uses two different power supplies from two different vendors in these computers. Use the following steps to determine which power supply you have and its required disassembly procedures. POWER SUPPLY 1
  - a. Remove the six screws that secure the cover to the power supply (see Figure 7). NOTE: You do not need to remove the screws from the fan guard or the power connector.
  - b. Cut the plastic tie that secures the wires to the cover (see Figure 7).
  - c. Remove the cover from the power supply.
  - d. Cut all wires from the PCA.
  - e. Remove the four screws that secure the large power supply PCA to the power supply chassis (see Figure 8).
  - g. Remove the PCA from the power supply.
  - h. Cut the four capacitors as shown in Figure 9.
  - i. Cut the small PCA from the large PCA (see Figure 9). POWER SUPPLY 2
    - a. Remove the two screws from the top of the power supply as shown in Figure 10. NOTE: You do not need to remove the screws from the fan guard or the power connector.
    - b. Remove the three screws from the bottom of the power supply as shown in Figure 11.
    - c. Cut the plastic tie that secures the wires to the cover (see Figure 12).
    - d. Remove the cover from the power supply.
    - f. Cut all wires from the power supply PCA.
    - e. Turn the power supply upside down and remove the four screws that secure the PCA to the

chassis (see Figure 13).

h. Remove the PCA from the power supply.

i. Cut four capacitors (see Figure 14).

j. Cut the small PCA from the large PCA (see Figure 14).

3.2 Optional Graphic. If the disassembly process is complex, insert a graphic illustration below to identify the items contained in the product that require selective treatment (with descriptions and arrows identifying locations).

FIGURE 1: Removing the access panel.



FIGURE 2: Removing the system board

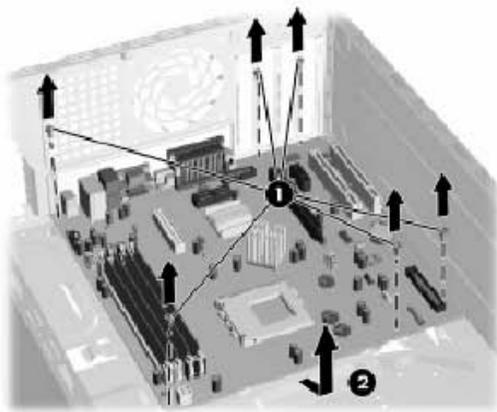


FIGURE 3: Type 1 battery holder

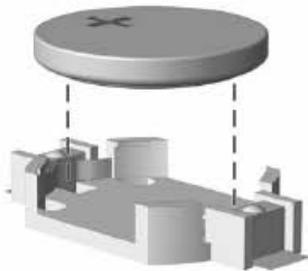


FIGURE 4: Type 2 battery holder

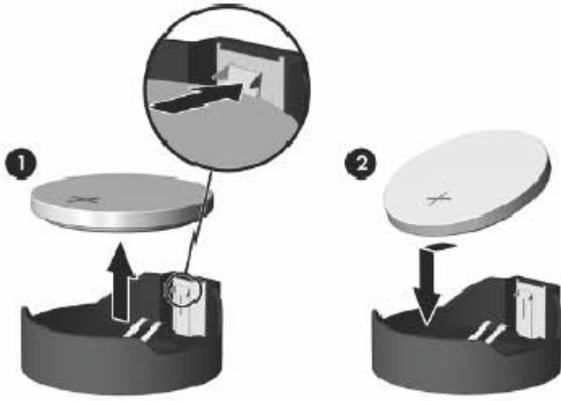


FIGURE 5: Type 3 battery holder



FIGURE 6: Removing the power supply

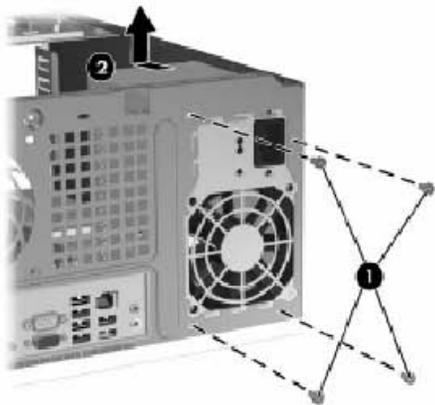


FIGURE 7: Power supply 1 - Cover screw and plastic tie locations

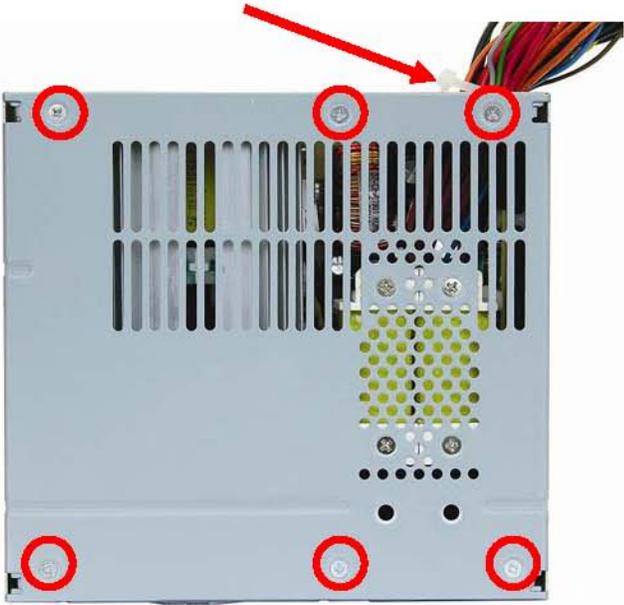


FIGURE 8: Power supply 1 - Large PCA screw locations, capacitors (2) and small PCA to cut



FIGURE 9: Power supply 1 –Capacitors and small PCA to cut



FIGURE 10: Power supply 2 –Cover screw locations



FIGURE 11: Power supply 2 – Cover screw locations



FIGURE 12: Power supply 2 – Plastic tie location



FIGURE 13: Power supply 2 – PCA screw locations

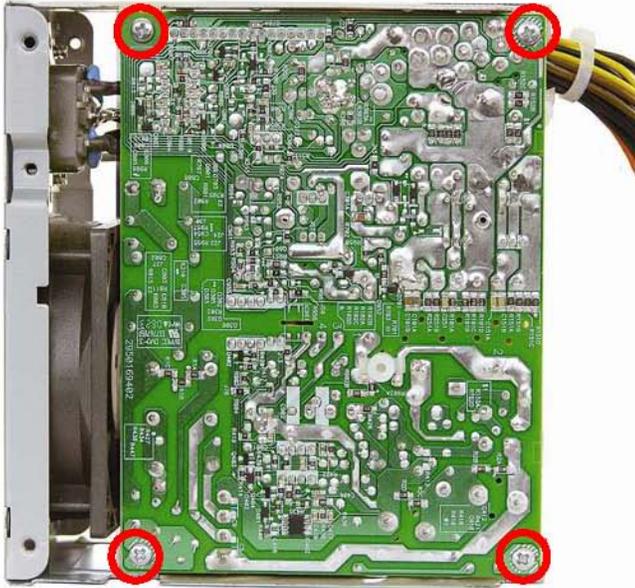
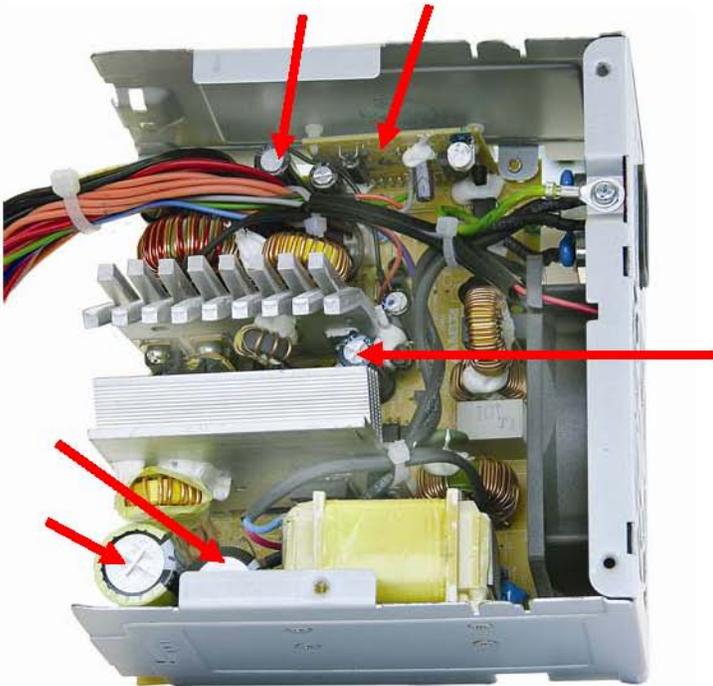


FIGURE 14: Power supply 2 – Capacitors and small PCA to cut



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