



Product End-of-Life Disassembly Instructions

Product Category: Personal Computers

Marketing Name / Model
 [List multiple models if applicable.]

Name / Model #1: HP Compaq dx2300 Business PC

Name / Model #2

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	2 (1 sys board, 1 P/S PCA)
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		8, 11, or 6
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 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:

- To remove the access panel (see Figure 1):
 - Remove the two screws that secure the access panel to the computer chassis (1).
 - Slide the access panel back about 6 mm (1/4 inch), then rotate the top of the panel away from the chassis (pivot on the bottom). and then lift it off the unit (2).
- Remove or cut all expansion cards, cables, and any other devices from the system board.
- To remove the system board (see Figure 2):
 - Remove the heatsink from the system board by loosening the four captive screws that secure the heatsink to the system board, and then lifting the heatsink from the system board.
 - Remove the six screws that secure the system board to the chassis (1).
 - Slide the system board toward the front of the chassis, and then remove it (2).
- 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.
- To remove the power supply (see Figure 6):
 - Remove the four screws that secure the power supply to the chassis (1).
 - Slide the power supply toward the front of the computer, and then lift it out of the computer.
- HP uses three different power supply vendors. See the instructions below to disassemble and remove required power supply components:

POWER SUPPLY 1:

 - Using dikes, cut the two plastic cable clamps that secures the cables to the power supply cover (see Figure 7).
 - Using a phillips screwdriver, remove the five screws that secure the cover to the power supply chassis - three screws on top, two screws on the bottom (see Figures 7 & 8).
NOTE: You do not need to remove the screws from the fan guard or the power connector.
 - Pull the cover toward the back of the power supply to remove it.
 - Using dikes, cut all cables connected to the PCA in the power supply.
 - Turn the power supply upside down, and then remove the four screws that secure the power supply PCA to the chassis (see Figure 9).
 - Remove the power supply PCA from the power supply chassis.
 - Cut 8 capacitors from the PCA, as shown in Figure 10.

POWER SUPPLY 2:

 - Using dikes, cut the two plastic cable clamps that secures the cables to the power supply cover (see Figure 11).
 - Using a phillips screwdriver, remove the seven screws that secure the cover to the power supply chassis - four screws on top, one screws on one side, two screws on the other side (see Figures 11 & 12).
NOTE: You do not need to remove the screws from the fan guard or the power connector.
 - Pull the cover from the power supply.
 - Using dikes, cut all cables connected to the PCA in the power supply.
 - Remove the four screws that secure the power supply PCA to the chassis (see Figure 13).
 - Remove the power supply PCA from the power supply chassis.

g. Cut 11 capacitors from the PCA, as shown in Figure 14.

POWER SUPPLY 3:

a. Using dikes, cut the two plastic cable clamps that secures the cables to the power supply cover (see Figure 15).

b. Using a phillips screwdriver, remove the six screws from the bottom that secure the cover to the power supply chassis (see Figure 15).

NOTE: You do not need to remove the screws from the fan guard or the power connector.

c. Pull the cover off of the power supply.

d. Using dikes, cut all cables connected to the PCA in the power supply.

e. Remove the four screws that secure the power supply PCA to the chassis (see Figure 16).

f. Remove the power supply PCA from the power supply chassis.

g. Cut 6 capacitors from the PCA, as shown in Figure 17.

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.

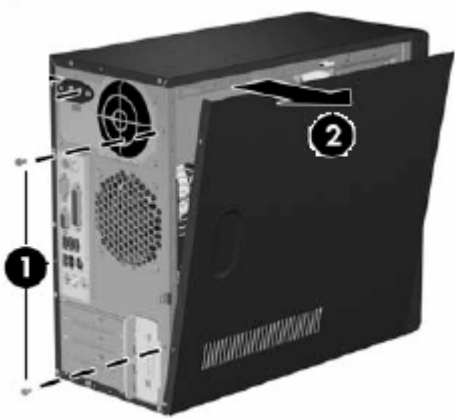


FIGURE 2: Removing the system board

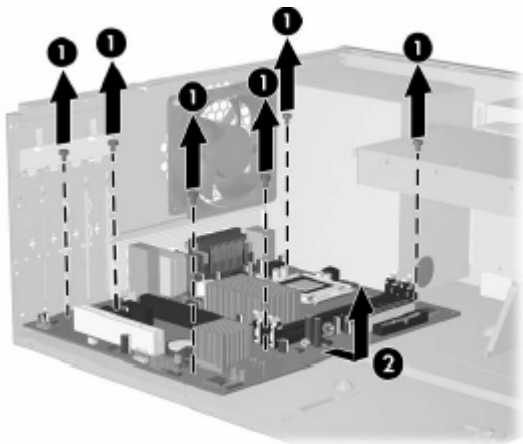


FIGURE 3: Type 1 battery holder

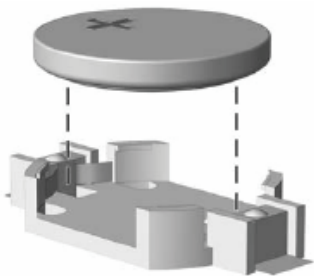


FIGURE 4: Type 2 battery holder

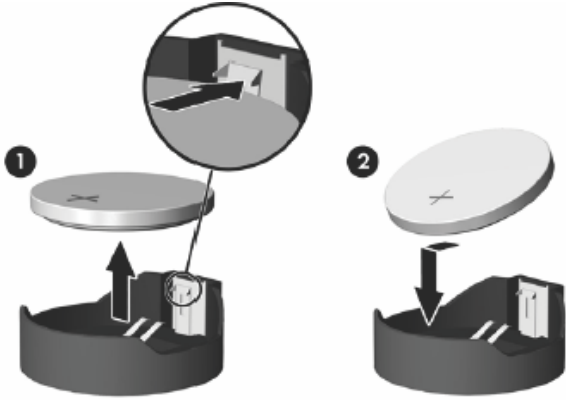


FIGURE 5: Type 3 battery holder

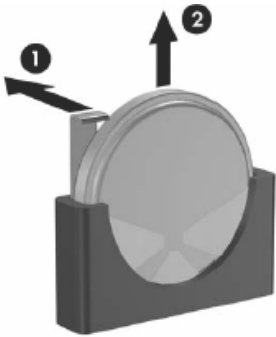


FIGURE 6: Removing the power supply

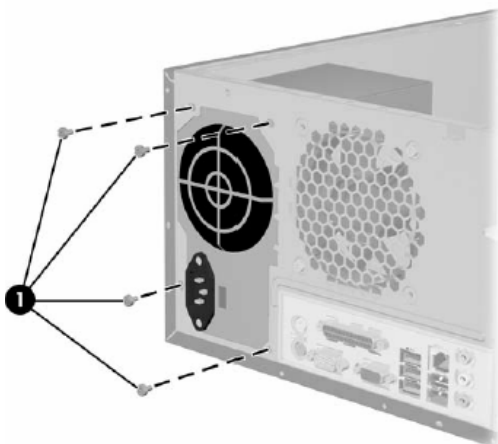


FIGURE 7: POWER SUPPLY 1: Plastic cable clamp and screw locations

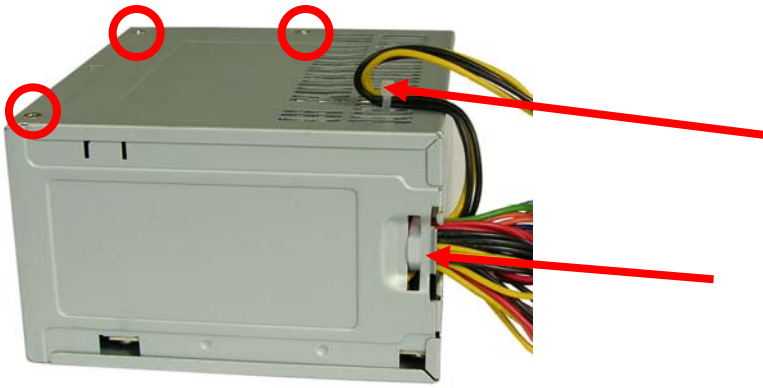


FIGURE 8: POWER SUPPLY 1: Power supply cover screw locations



FIGURE 9: POWER SUPPLY 1: Power supply PCA screw locations

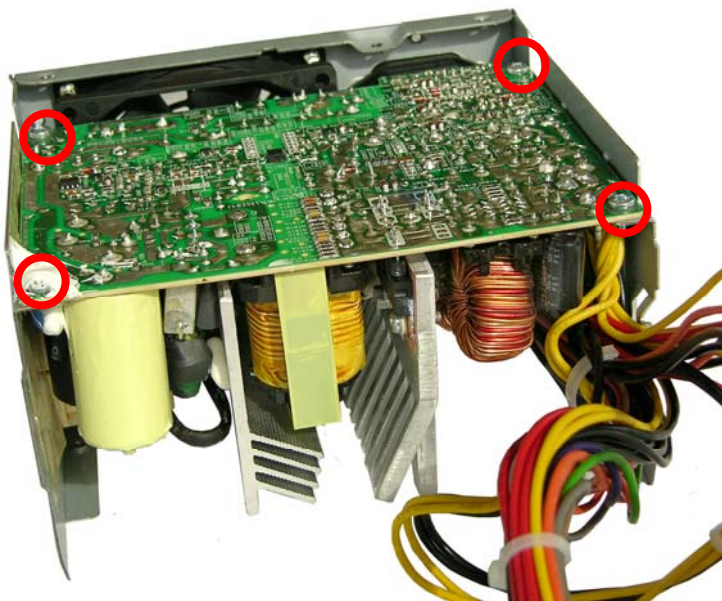


FIGURE 10: POWER SUPPLY 1: Capacitors (8) to cut

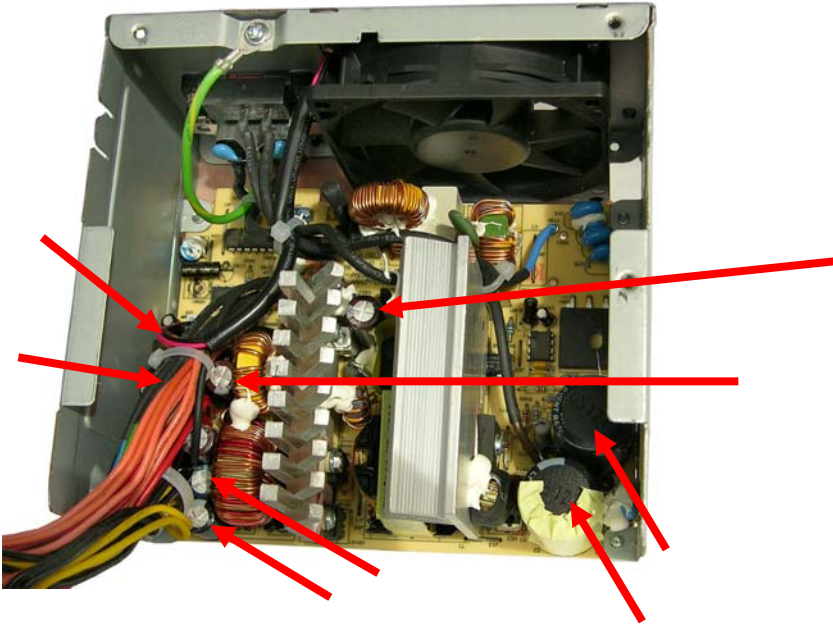


FIGURE 11: POWER SUPPLY 2: Plastic cable clamp and cover screw locations



FIGURE 12: POWER SUPPLY 2: Plastic cable clamp and cover screw locations



FIGURE 13: POWER SUPPLY 2: Power supply PCA screw locations

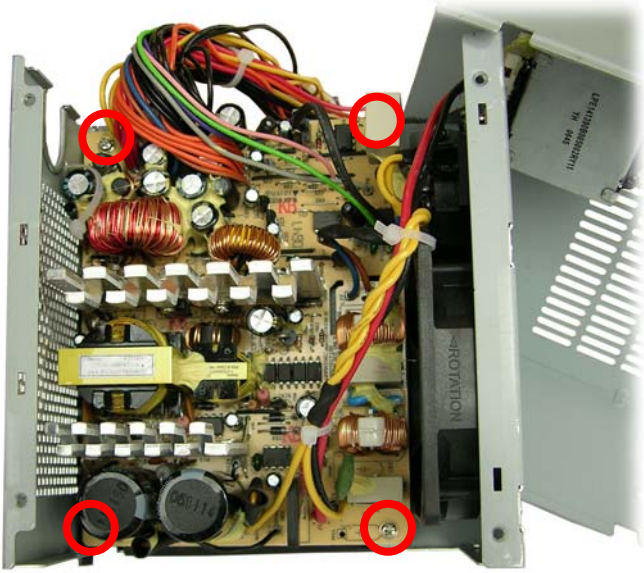


FIGURE 14: POWER SUPPLY 2: Capacitors (11) to cut

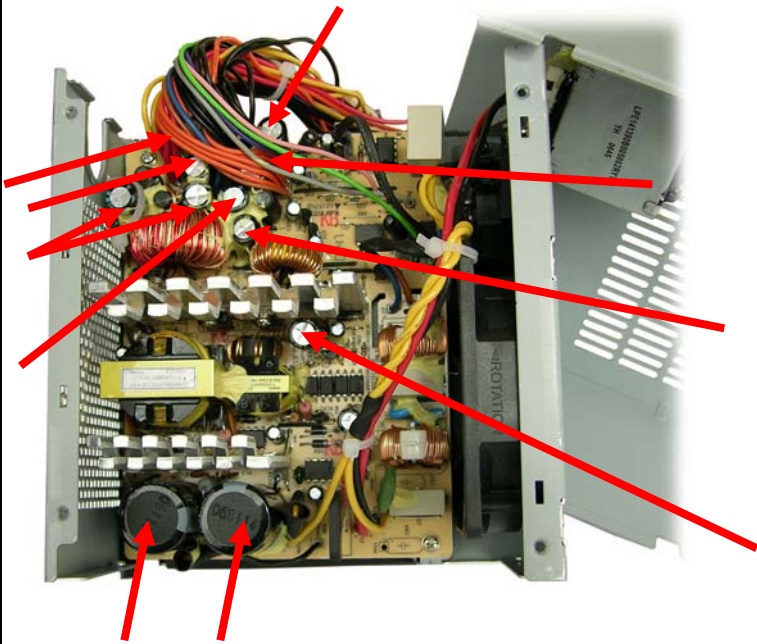


FIGURE 15: POWER SUPPLY 3: Plastic cable clamp and cover screw locations

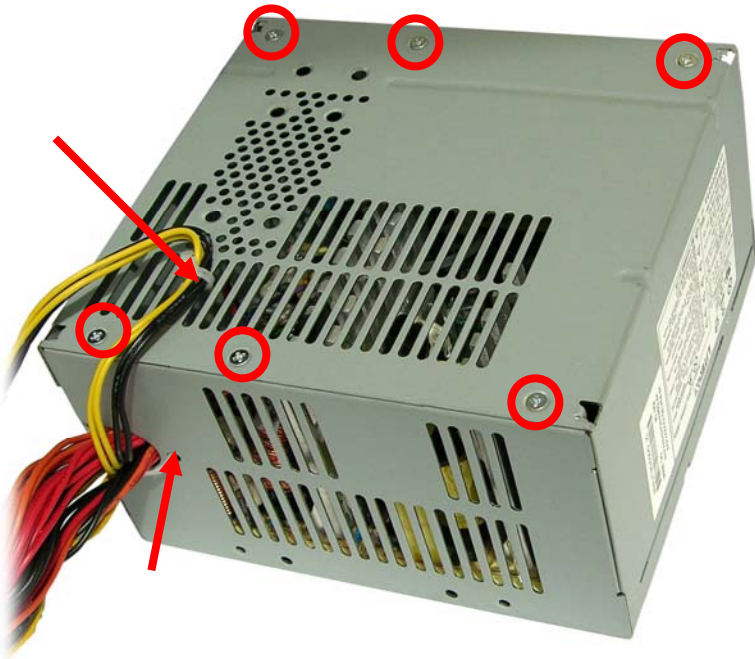


FIGURE 16: POWER SUPPLY 3: Power supply PCA screw locations

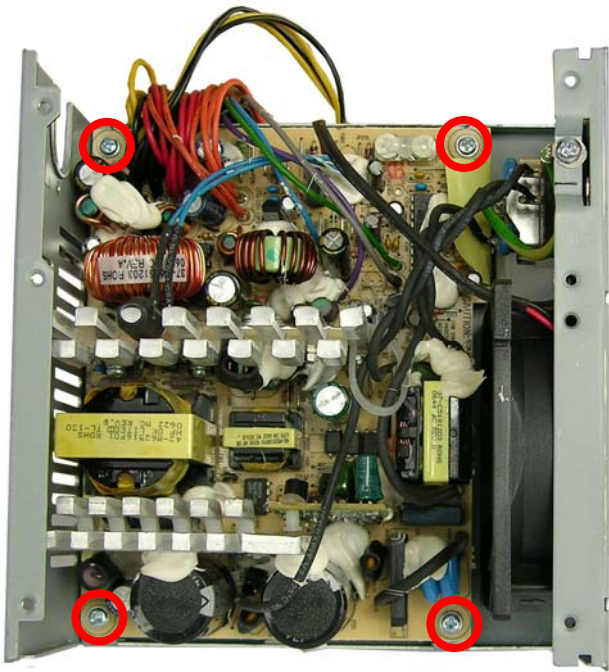


FIGURE 17: POWER SUPPLY 3: Capacitors (6) to cut

