



Product End-of-Life Disassembly Instructions

Product Category: Personal Computers

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

Name / Model #1: HP Compaq dx2040 Minitower 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	1
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		5
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		

1.3 Markings for plastic parts greater than 25 grams

Plastic Part Name	Plastic Part Description	Weight (grams)	ISO 11469:2000 Plastic Part Mark	Optional: Photo
Main Bezel	Main front bezel piece	150	>ABS<	
Bezel Frame	Front bezel frame	194	>ABS<	
System Fan Frame	Fan Frame	47	>PBT-GF30-FR(17)<	
CPU Heatsink Fan Frame	Fan Frame	35	>PBT-GF30-FR(17)<	

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:

1. To remove the access panel (see Figure 1):
 - a. Remove the two screws that secure the access panel to the computer chassis (1).
 - b. Slide the access panel back about 1.3 cm (1/2 inch), then lift it away from and off the unit (2).
2. Remove or cut all expansion cards, cables, and any other devices from the system board.
3. To remove the system board:
 - a. Remove the front bezel (see Figure 2)
 - b. Remove the eight screws that secure the system board to the chassis (see Figure 3).
 - c. Slide the system board toward the front of the chassis then, angle the front of the board up to remove it.
4. 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 4):
Lift the battery out of the holder.

TYPE 2 BATTERY HOLDER (see Figure 5):
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 6):
Pull back on the clip that holds the battery in place, and then remove the battery.
5. To remove the power supply:
 - a. Disconnect all power cables from the mass storage devices and from the system board.
 - b. Remove the 4 screws that secure the power supply to the chassis (see Figure 7).
 - c. Place your finger under the front of the power supply and lift up about 1.25 cm (1/2 inch) so it clears the tabs in the chassis.
 - d. While holding the power supply above the tabs in the chassis, move the power supply toward the front and bottom of the chassis until it clears the lips on the top of the chassis, and then lift the power supply out of the chassis (see Figure 8).
6. Disassemble and remove required power supply components:
 - a. Using dikes, cut the plastic clamp that secures the wires to the power supply cover.
 - b. Using a Phillips screwdriver, remove the six screws that secure the cover to the power supply chassis (see Figure 9).
NOTE: You do not need to remove the screws from the fan guard or the power connector.
 - c. Lift the cover off 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 10).

- f. Remove the power supply PCA from the power supply chassis.
- h. Cut five capacitors from the PCA, as shown in Figure 10.

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 front bezel

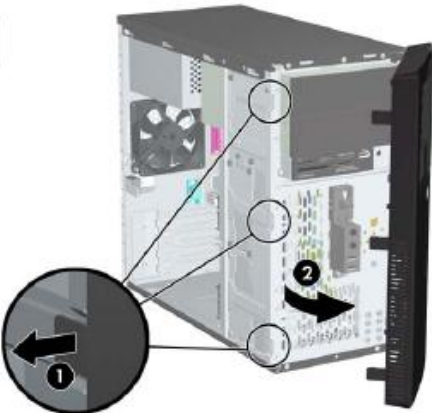


FIGURE 3: Removing the system board



FIGURE 4: Type 1 battery holder

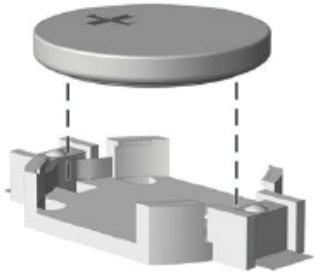


FIGURE 5: Type 2 battery holder

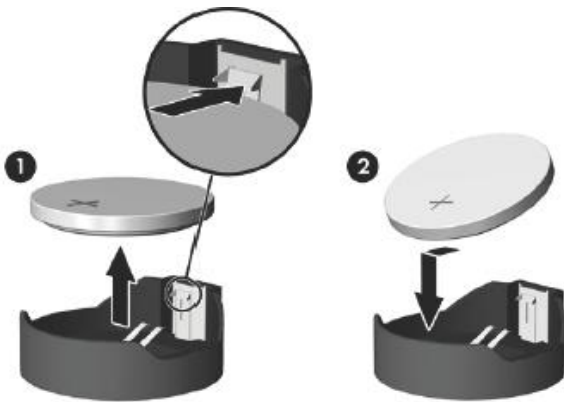


FIGURE 6: Type 3 battery holder

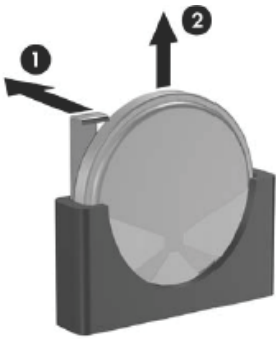


FIGURE 7: Power supply screw locations



FIGURE 8: Removing the power supply



FIGURE 9: Power supply cover screw locations

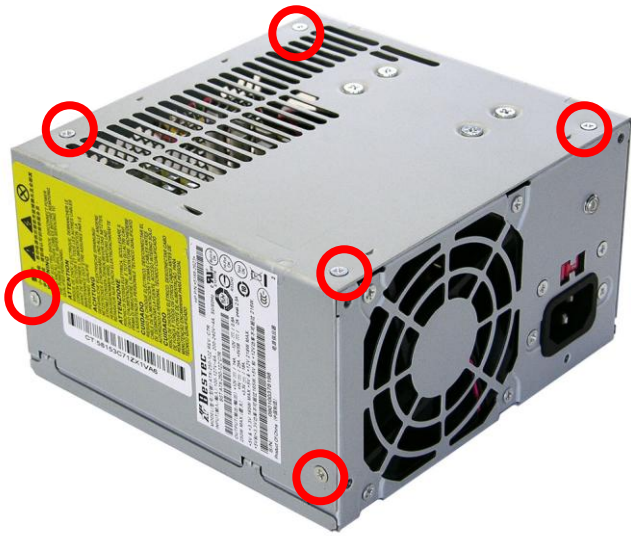


FIGURE 10: Power supply PCA screw locations and capacitors to remove

