Product End-of-Life Disassembly Instructions

Product Category: Personal Computers
Marketing Name / Model [List multiple models if applicable.]
Name / Model #1: Gaming PC, HP Blackbird 002
Name / Model #2
Name / Model #3
Name / Model #4
Name / Model #5

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	0
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		12
External electrical cables and cords		
Gas Discharge Lamps		
Plastics containing Brominated Flame Retardants weighing > 25 grams (not including PCBs or PCAs already listed as a separate item above)		
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		

PSG instructions for this template are available at EL-MF877-01

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	1
Description #2 Flat screwdriver	1
Description #3 Wire cutter	1
Description #4	
Description #5	

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 side panel (see Figure 1):
   a. Pulling on latch that secure the access side panel to the computer chassis (A).
   b. Open door to 90 degrees, lift off hinges and place aside (see Figure 2).
2. To Remove the system board (see Figure 3):
   a. Remove or cut all expansion cards, cables, and any other devices from the system board.
   b. Remove the heat sink from the system board by loosening the four captive screws that secure the heatsink to the
3. system board, and then lifting the heatsink from the system board.
   c. Remove the nine screws that secure the system board to the chassis.
   d. 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 (see Figure 4):
   a. Locate the battery and battery holder on the system board.
   b. To release the battery from its holder, squeeze the metal clamp that extends above one edge of the battery. When
5. the battery pops up, lift it out.
6. To remove the power supply (see Figure 5):
   a. Disconnect all power cables from the storage devices, CPU power cable, and from the system board.
   b. Remove the four screws that secure the power supply to the chassis (A).
   c. Slide the power supply toward the back of the computer. then lift it out of the computer.
7. To disassemble and remove required power supply components:
   a. Using wire cutter, cut the plastic clamp that secures the wires to the power supply cover.
   b. Using a phillips screwdriver, remove the four screws that secure the cover to the power supply chassis (Figure 6).
   c. Lift the cover off the power supply. (Note: You may need a flat screwdriver to loosen both sides of the cover prior to removing.
   d. Using wire cutter, cut all cables connected to the PCA in the power supply.
8. Cut twelve capacitors from the PCA, as shown in Figure 7.
9.
10.
11.
12.
13.
14.
15.

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. Pulling on the latch **(A)**

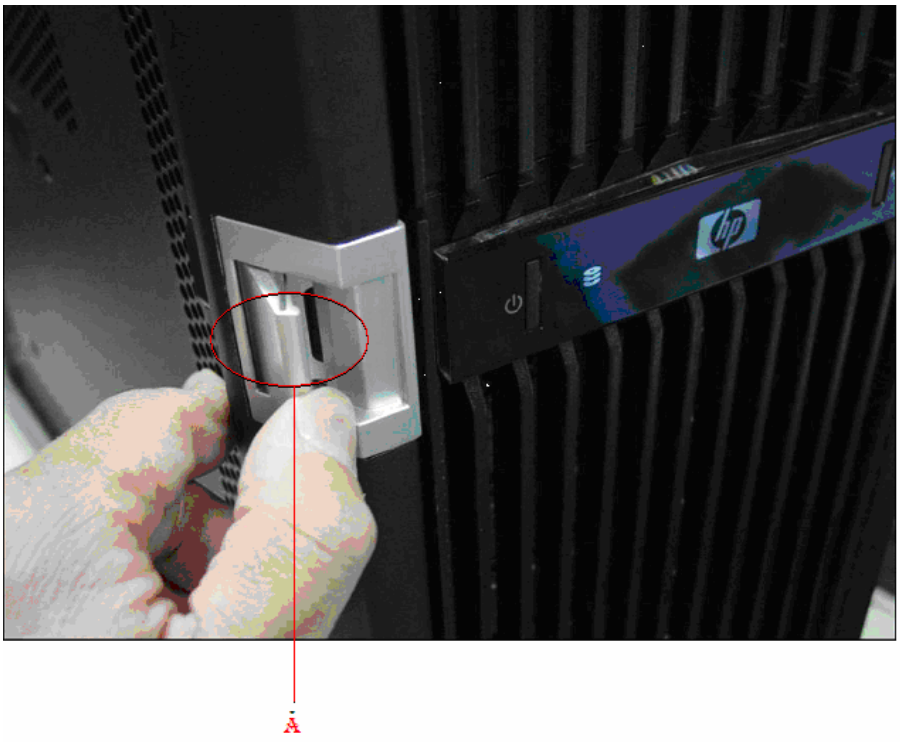


Figure 2. Open door to 90 degree and lift off hinges **(B).**

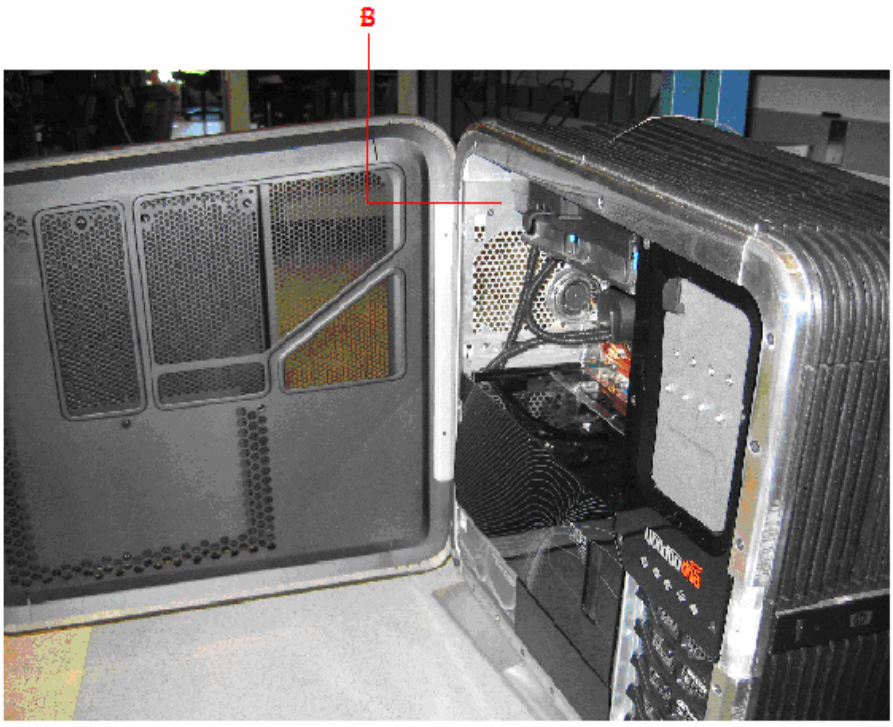


Figure 3. Remove the system board **(A)**

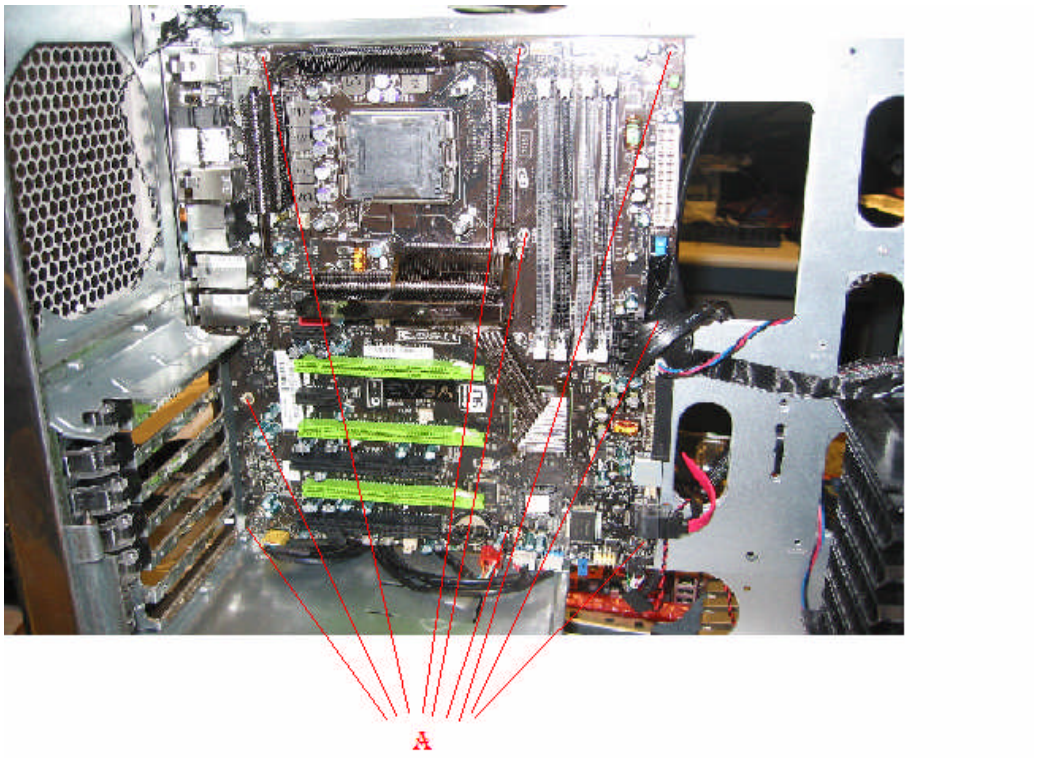


Figure 4. Remove the battery **(A)**

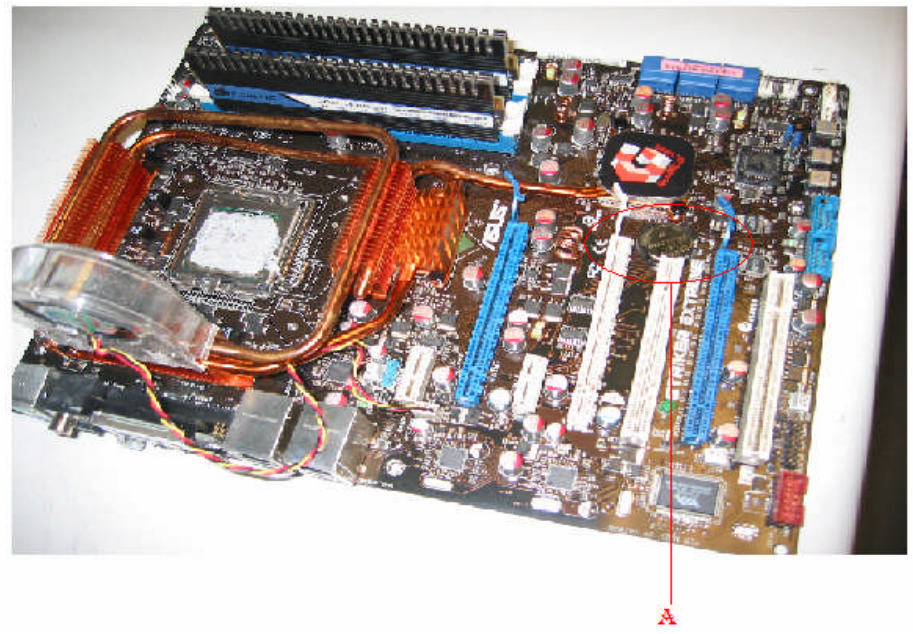


Figure 5. Remove the power supply **(A)** with phillips screwdriver.

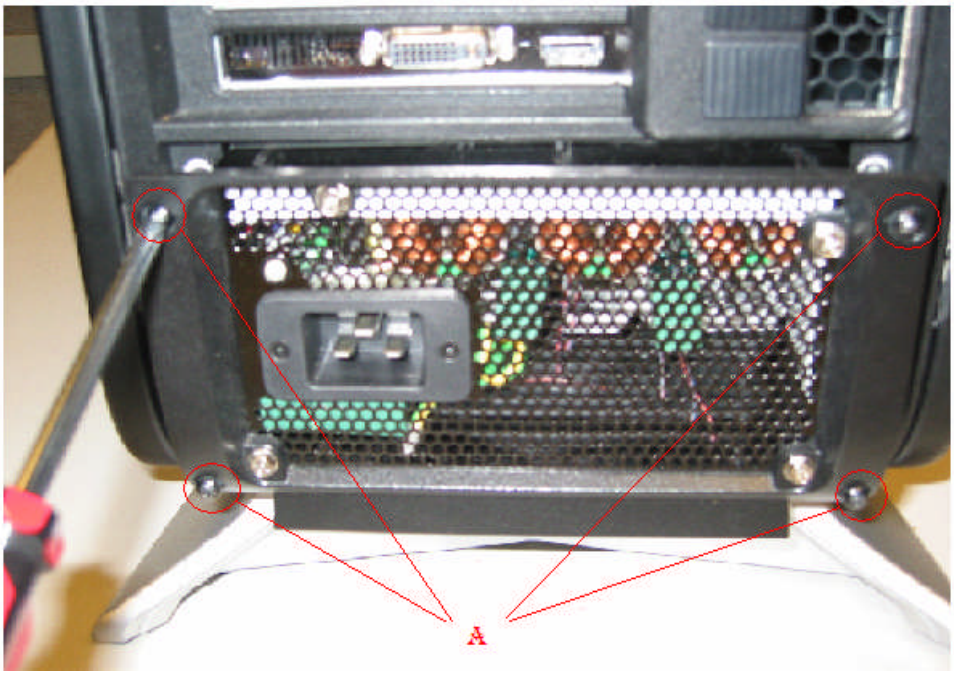


Figure 6. Power supply cover screws locations.

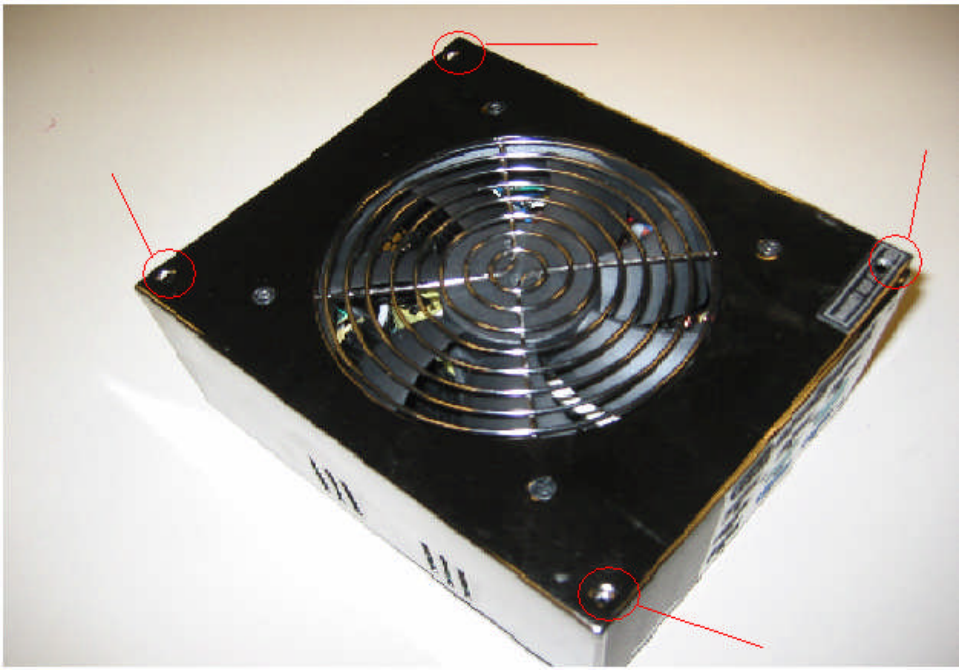
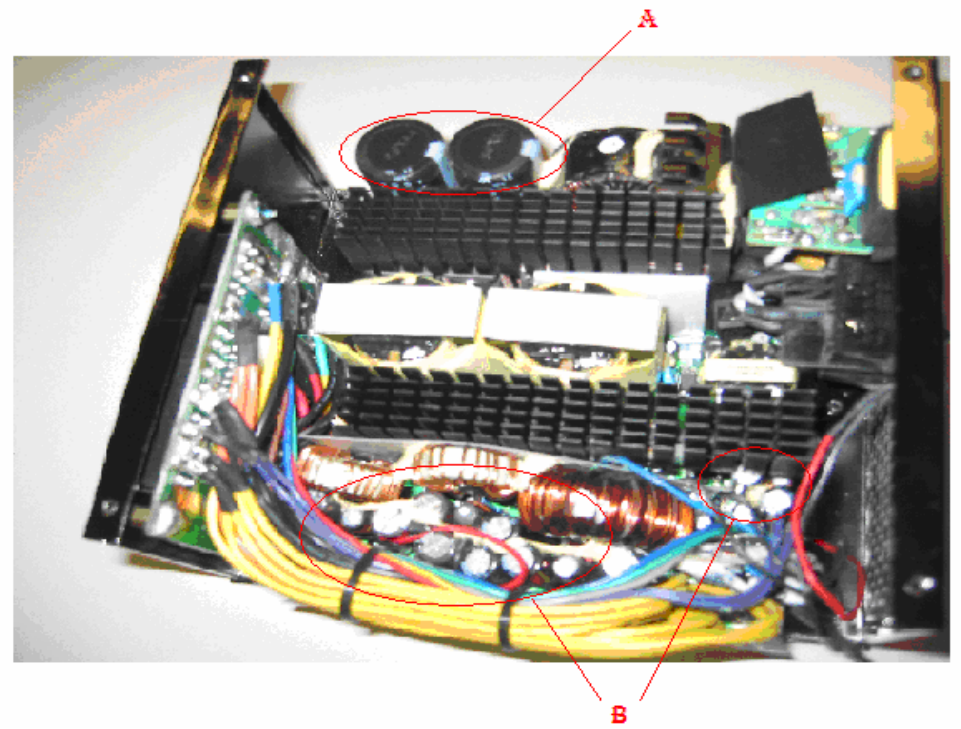


Figure 7. Power supply Capacitors (12) **(A) & (B)** to cut.



PSG instructions for this template are available at EL-MF877-01