# Product End-of-Life Disassembly Instructions

**Product Category:** Personal Computers

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

Name / Model #1: HP rp3000  
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.

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

<table>
<thead>
<tr>
<th>Tool Description</th>
<th>Tool Size (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description #1 Phillips screwdriver</td>
<td></td>
</tr>
<tr>
<td>Description #2 Dikes</td>
<td>T-15</td>
</tr>
<tr>
<td>Description #3 Torx screwdriver</td>
<td></td>
</tr>
</tbody>
</table>

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 computer cover (see Figure 1):
   a. Remove the two screws on the rear of the computer (1) that secure the cover to the computer chassis.
   b. Slide the computer cover forward about 1.3 cm (½ inch), then lift it off the unit (2).

2. Remove or cut all expansion cards, cables, and any other devices from the system board.

3. If necessary, remove the PoweredUSB port assembly by unplugging the cables from the card (1), removing the two screws that fasten the card to the chassis (2), and then lifting the card up and out of chassis (3) (see Figure 2).

4. If necessary, remove the powered serial ports as follows (see Figure 3):
   a. Remove the screw that secures the expansion card to the chassis (1).
   b. Hold the card at each end, and then carefully rock it back and forth until the connectors pull free from the socket (2). Be sure not to scrape the card against the other components.

5. 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.

6. To remove the power supply:
   a. Remove the three black T15 screws on the back of the power supply that secure it to the chassis (see Figure 6).
   b. Remove the silver T15 screw on the side of the power supply on the inside of the chassis that secures it to the base pan. (see Figure 7).
   c. Lift up slightly on the front of the power supply, and then slide it forward so the power connector lip on the back of the power supply clears the slot in the chassis. Then lift the rear of the power supply up at an angle, and then lift the power supply up and out of the unit.

7. To remove the system board (see Figure 8):
   a. Remove the nine screws that secure the system board to the floor of the chassis.
   b. Lift the system board up to disengage it from the connectors, slide it away from the power supply, and then lift it up and out of the chassis.
   c. Slide the system board toward the front of the computer, and then lift the board up to remove it.

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 five screws that secure the power supply cover (see Figure 9).
   c. Slide the cover off the power supply.
   d. Using dikes, cut all cables connecting the PCA to the power supply.
   e. Remove the two screws that secure the power supply PCA to the chassis (see Figure 10).
   f. Remove the power supply PCA from the power supply chassis.
   g. Cut the two small PCAs from the large power supply PCA (see Figure 10).
   h. Cut three 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 PoweredUSB Expansion Card

**FIGURE 3:** Removing the Powered Serial Port Expansion Card
FIGURE 3: Type 1 battery holder

FIGURE 4: Type 2 battery holder

FIGURE 5: Type 3 battery holder
FIGURE 6: Removing the rear power supply screws

FIGURE 7: Removing the inner power supply screw

FIGURE 8: Removing the system board screws
FIGURE 9: POWER SUPPLY 1: Cover screw locations

FIGURE 10: POWER SUPPLY 1: Large PCA screw locations, small PCAs (2) and capacitors (3) to cut