# Product End-of-Life Disassembly Instructions

**Product Category:** Personal Computers

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

| HP Compaq 8280 Elite MT Business PC |

**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.

<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>2</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>Liteon 320W EPA power supply, Acbel 320W EPA power supply, Chicony 320W STD power supply, Delta 320W EPA power supply, Delta 320W STD power supply, Bestec 320W STD power supply, Bestec 320W EPA power supply</td>
<td>5, 3, 1, 2, 1, 3, 1</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>
</tbody>
</table>

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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

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.

<table>
<thead>
<tr>
<th>Tool Description</th>
<th>Tool Size (if applicable)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Screwdriver</td>
<td>T-15</td>
</tr>
<tr>
<td>Micro shear</td>
<td>170II</td>
</tr>
<tr>
<td>Screwdriver</td>
<td>PH1</td>
</tr>
<tr>
<td>Description #4</td>
<td></td>
</tr>
<tr>
<td>Description #5</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. Remove the access panel. (see Figure 1 below)
2. Disconnect the cables from the fan duct and the board. Remove the system fan from the chassis (see Figures 2-6 below)
3. Remove the bezel, optical drive, and hard drive from the chassis. (see Figures 7-11 below)
4. Remove the power supply from the chassis. (see Figures 12-13 below)
5. Remove the rear system fan from the chassis. (see Figures 14-15 below)
6. Remove the front I/O, power LED, and speaker from the chassis. (see Figures 16-18 below)
7. Remove the memory module from the system board. (see Figure 19 below)
8. Remove the heatsink and CPU from the system board. (see Figures 20-22 below)
9. Remove the battery from the system board. (see Figure 23 below)
10. Remove M/B from chassis. (see Figures 24-25 below)
11. Remove the optical drive lock and the hard drive lock from the chassis. (see Figures 25-26 below)
12. Remove the cable clip from the chassis. (see Figure 28 below)
13. Remove the fan from the fan duct. (from system fan see Figures 29-30 below)
14. Remove the fan guard from the fan. (see Figure 31 below)
15. Remove the rear fan guard from the fan. (the same as front fan see Figure 31 below)
16. Remove the power supply cover. (see Figures 32 & 33 below)
17. Remove the power supply PCA, and disconnect the power cables. (see Figure 34 & 35 below)
18. There are seven different possible power supplies in these computers. Use figures 36-42 to determine which power supply you have, and then remove the cables and electrolytic capacitors as shown in the appropriate figure.

#### 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 Remove the access panel:

Figure 2 Disconnect the cables from the fan duct

Figure 3 Disconnect the cables from the system board

Figure 4 Remove the front system fan from the chassis

Figure 5 Disconnect the CPU power cable from the system board

Figure 6 Disconnect other power supply cables from the system board
Figure 7 Disconnect the SATA cable from the optical drive

Figure 8 Disconnect the SATA cable from the hard drive

Figure 9 Remove the front panel

Figure 10 Remove the optical drive from the cage

Figure 11 Disconnect the SATA cable from the second hard drive (if applicable)

Figure 12 Remove the power supply screws

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Figure 13 Remove the power supply from the chassis

Figure 14 Remove the rear fan screws

Figure 15 Remove the rear system fan

Figure 16 Remove the front I/O screw, and then remove it

Figure 17 Remove the power LED cable

Figure 18 Remove the speaker screws, and remove it
Figure 19 Remove the memory module from the board

Figure 20 Remove the screws and remove the heat sink

Figure 21 Rotate the handle and open it up

Figure 22 Remove the CPU from the board

Figure 23 Remove the battery from the system board

Figure 24 Remove the system board screws

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Figure 25 Remove the system board from the chassis

Figure 26 Remove the optical drive lock from the chassis

Figure 27 Remove the hard drive lock from the chassis

Figure 28 Remove the cable clip from the chassis

Figure 29 Remove the screws of fan from the fan duct

Figure 30 Remove the system fan from the fan duct

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Figure 31 Remove the fan guard from the fan

Figure 32 Remove the screws from the power supply cover

Figure 33 Lift the cover off the power supply

Figure 34 Remove the four screws from the board

Figure 35 Remove the power supply PCA from the power supply chassis

Figure 36 Remove the electrolytic capacitors (For Liteon 320W EPA PSU)
Figure 37 Remove the Electrolytic Capacitors (For Acbel 320W EPA)

Figure 38 Remove the Electrolytic Capacitors (For Chicony 320W STD)

Figure 39 Remove the Electrolytic Capacitors (For Delta 320W EPA)

Figure 40 Remove the Electrolytic Capacitors (For Delta 320W STD)

Figure 41 Remove the Electrolytic Capacitors (For Bestec 320W STD)

Figure 42 Remove the Electrolytic Capacitors (For Bestec 320W EPA)