# Product End-of-Life Disassembly Instructions

**Product Category:** Monitors and Displays

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

HP EliteBook 8570w Mobile Workstation

**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 Mother board, function Board, I/O Board, USB Board, MXM</td>
<td>5</td>
</tr>
<tr>
<td>Batteries</td>
<td>All types including standard alkaline and lithium coin or button style batteries Coin cell battery, battery pack</td>
<td>2</td>
</tr>
<tr>
<td>Mercury-containing components</td>
<td>For example, mercury in lamps, display backlights, scanner lamps, switches, batteries</td>
<td>0</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 LCD Panel</td>
<td>1</td>
</tr>
<tr>
<td>Cathode Ray Tubes (CRT)</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Capacitors / condensers (Containing PCB/PCT)</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>External electrical cables and cords</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Gas Discharge Lamps</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Plastics containing Brominated Flame Retardants weighing &gt; 25 grams (not including PCBs or PCAs already listed as a separate item above)</td>
<td></td>
<td>0</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>0</td>
</tr>
<tr>
<td>Components and waste containing asbestos</td>
<td>0</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>Automatic screw driver</td>
<td>Philip #1</td>
</tr>
<tr>
<td>Automatic screw driver</td>
<td>Trox T8</td>
</tr>
<tr>
<td>Description #3</td>
<td></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 Battery, and loosen screws on logic lower.
2. Get HDD, ODD and memory.
3. Remove KB, Pull out connector.
4. Remove C cover
5. Pull out the DC IN cable, HDD connector, ODD connector, and USB Board cable. Remove Speaker cable from MB.
6. Loosen screw on WLAN and remove antenna.
7. Remove the MB, take down the thermal module and the CPU.
8. Remove LCD module, tear down LCD Cover.
9. Remove panel and camera

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).
Work Instructs

Document No. : Disassembly WI  
Step : 1

Name : Get Battery  
Date : 2012-5-15

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**Step:**

1. Push the Battery switch. (Fig.1)

2. Take off the battery and Big Door. (Fig.2&amp;Fig.3)

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<table>
<thead>
<tr>
<th>Fixture list(Fixture standard)</th>
<th>Qty</th>
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<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td></td>
<td></td>
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</tbody>
</table>

*Point for attention: If finding some defects, notice the gaffer and assess.*
Work Instructs

Document No.: Disassembly WI
Name: Get DIMM and RTC, Blue tooth
Step: 2
Date: 2012-5-15

Step:
1. Remove the memory. 
   Disassemble antenna from WLAN & WWAN card. (Fig.1)
2. Pull out the RTC battery connector form M/B. (Fig.2)
3. Take away the Blue Tooth from M/B. (Fig.3)

Fixture list(Fixture standard) | Qty | Fixture list(Fixture standard) | Qty
---|---|---|---
N/A | | N/A | |

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Work Instructs

Document No.: Disassembly WI

Name: Get HDD

Step:

1. Disassemble SC card reader FCC, loosen four screws on SC card reader. Then take it away. (Fig.1)
2. Loosen three screws on HDD, Pull HDD upward. (Fig.2 & Fig.3)

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross Head of Screws Driver</td>
<td>1</td>
</tr>
</tbody>
</table>

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Work Instructs

Document No. : Disassembly WI
Name : Disassemble HDD
Step : 4
Date : 2012-5-15

Step:

1. Loosen four screws on the two sides of HDD. (Fig.1)

2. Disassemble HDD bracket from HDD, get the HDD. (Fig.2)

3. Loosen Screws on D Cover, get ODD. (Fig.3)

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Work Instructs

Document No.: Disassembly WI  Step: 5
Name: Disassemble Keyboard  Date: 2012-5-15

Step:

1. Pick up the keyboard to 45 degree. (Fig.1)

2. Pull out the Keyboard FCC from MB, and then take away the keyboard. (Fig.2)

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Work Instructs

Document No. : Disassembly WI  Step : 6
Name : Get Cover  Date : 2012-5-15

Step:
1. Disassemble KB DECK. (Fig.1)
2. Loosen screws on PCB board. (Fig.2)

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<thead>
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Work Instructs

Document No. : Disassembly WI  
Step : 7  
Name : Get PCB board  
Date : 2012-5-15

Step:
Loosen screws on two USB board and take off them. (Fig.1 & Fig.2)

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**Work Instructs**

Document No. : Disassembly WI  
Name : Disassemble Thermal Module  
Date : 2012-5-15

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**Step:**

1. Pull out Thermal fan connector from MB, Loosen screws on CPU and GPU heat sink. (Fig.1)  
2. After remover Thermal module, get CPU. (Fig.2)

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Work Instructs

Document No. : Disassembly WI
Name : Get GPU Board
Step : 9
Date : 2012-5-15

Step:
1. Loosen two screws on the GPU board. (Fig.1)
2. Loosen screws on speaker and
   Lower LCD Latch. Take back the plastic on them. (Fig.2)
3. Loosen Screws on modem card,
   Pull out connector and take back. (Fig.2)

<table>
<thead>
<tr>
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Work Instructs

Document No. : Disassembly WI
Name : Disassemble Hinge

Step : 10
Date : 2012-5-15

Step:

1. Loosen screws on the Hinges. (Fig.1 & Fig.2)
2. Disassemble LVDS cable connector

<table>
<thead>
<tr>
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# Work Instructs

Document No. : Disassembly WI  
Name : Get Hinge cover  
Step : 11  
Date : 2012-5-15

**Step:**

1. Remove LCD module from logic lower. (Fig.1)  
2. Pull out Hinge cover along the arrowhead and you will get it from LCD module.  
3. Remove mainboard from Logic lower.

<table>
<thead>
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Work Instructs

Document No. : Disassembly WI
Name : Get LCD

Step : 12
Date : 2012-5-15

Step:

1. Loosen two screws on the panel. (Fig. 1)

2. Detach LCD Cover in order of number 1 to 3. (Fig. 2)

<table>
<thead>
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**Work Instructs**

**Document No.:** Disassembly WI  
**Step:** 13  
**Name:** Get LCD  
**Date:** 2012-5-15

**Step:**

1. Loosen screws on LCD Hinge and the Hinge bracket. Get the LCD panel.

<table>
<thead>
<tr>
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Work Instructs

Document No. : Disassembly WI  
Name : Disassemble Hinge

Step : 14
Date : 2012-5-15

Step:
Loosen three screws on hinge cape, and then take it back.

<table>
<thead>
<tr>
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Work Instructs

Document No. : Disassembly WI

Name : Disassemble LCD

Step : 15

Date : 2012-5-15

Step:

1. Loosen eight screws on two sides of LCD Panel, apart Hinge and LCD panel. (Fig.1)

2. Pull out LVDS Cable and camera connector. Take back camera. (Fig.2)

<table>
<thead>
<tr>
<th>Fixture list(Fixture standard)</th>
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