# Product End-of-Life Disassembly Instructions

## Product Category: Notebooks and Tablet PCs

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

HP EliteBook 745 G2 Notebook PC

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**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>1</td>
</tr>
<tr>
<td>Batteries</td>
<td>All types including standard alkaline and lithium coin or button style batteries</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</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></td>
<td>0</td>
</tr>
</tbody>
</table>

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PSG instructions for this template are available at [EL-MF877-01](EL-MF877-01)
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 #1</td>
<td>Electric cross screwdriver</td>
</tr>
<tr>
<td>Description #2</td>
<td>TORX T8 (2.31mm)</td>
</tr>
<tr>
<td>Description #3</td>
<td>D73 1 * 3.0 * 20 * 40</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. Follow steps described in Disassembly instruction (file attached)
2. If parts can be removed without using a tool, remove it first
3. Use correct screwdriver and torque value before unlock the screw.
4. 
5. 
6. 
7. 
8. 
9. 

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).
Step:
1. Disassemble service door.

Notes: If finding anything uncommon, notice foreman or assistant at once.

Tabulator: Alicia Chien  
Auditor: Vick Weng  
Issuing department: NPSU-PPE
Standard Operation Procedure

Document No. : Tootsie FA DIS ASS’Y SOP  Station : 2(1/1)
Name : Loosen Screws & Remove Battery  Ver. : 0.1  Date : 2014/04/24

Step :
1. Remove the battery. (Fig.1)
2. Loosen K /B set screw * 2. (Fig.2)

Fig.1

Fig.2

Notes : If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric cross screwdriver (#1)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator : Alicia Chien  Auditor : Vick Weng  Issuing department : NPSU-PPE
Step:
1. Loosen screw * 4, then remove the HDD.
   (Fig.1)

Notes: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
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</thead>
<tbody>
<tr>
<td>Electric cross screwdriver (#1)</td>
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<td></td>
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</tr>
</tbody>
</table>

Tabulator: Alicia Chien
Auditor: Vick Weng
Issuing department: NPSU-PPE
Step:

1. Loosen the screw (red circle), then remove the SSD card. (Fig.1)

Fig.1

Notes: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Electric cross screwdriver (#1)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Standard Operation Procedure

Document No. : Tootsie FA DIS ASS’Y SOP
Name : Disassemble WWAN Card

Station : 5(1/1)  Ver. : 0.1  Date : 2014/04/24

Step :
1. Disconnect WWAN cables. (Fig.1)
2. Loosen the screw. (Fig.2)
3. Disassemble WWAN card. (Fig.3)

Notes : If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
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</thead>
<tbody>
<tr>
<td>Electric cross screwdriver (#1)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator : Alicia Chien  Auditor : Vick Weng  Issuing department : NPSU-PPE
Step:

1. Disconnect WLAN cables. (Fig.1)

2. Loosen the screw. (Fig.2)

3. Disassemble WLAN card.

Notes: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
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<tbody>
<tr>
<td>Electric cross screwdriver (#1)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien
Auditor: Vick Weng
Issuing department: NPSU-PPE
**Step**:

1. Disconnect the three FFC / FPC. (Fig.1)

2. Disassemble Keyboard.

3. Disconnect stick point FFC from keyboard. (Fig.2)

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**Notes**: If finding anything uncommon, notice foreman or assistant at once.

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

Tabulator: Alicia Chien  
Auditor: Vick Weng  
Issuing department: NPSU-PPE
Standard Operation Procedure

Step:
1. Disconnect F/P, smart card board FFC from M/B.

Notes: If finding anything uncommon, notice foreman or assistant at once.

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

Tabulator: Alicia Chien       Auditor: Vick Weng       Issuing department: NPSU-PPE
Standard Operation Procedure

Document No. : Tootsie FA DIS ASS’Y SOP
Name : Disassemble DDR

Station : 9(1/1) Ver. : 0.1 Date : 2014/04/24

Step :
1. Disassemble DDR. (Fig.1)
2. Loosen the screw. (Fig.2)

Fig.1

Notes : If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
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<tr>
<td>Electric cross screwdriver (#1)</td>
<td>1</td>
<td></td>
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</tr>
</tbody>
</table>

Tabulator : Alicia Chien Auditor : Vick Weng Issuing department : NPSU-PPE
Standard Operation Procedure

Document No. : Tootsie FA DIS ASS’Y SOP
Name : Loosen BTCB Screws

Step :
1. Loosen BTCB screws. (Fig.1 / Fig.2)

Notes : If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric cross screwdriver (#1)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator : Alicia Chien
Auditor : Vick Weng
Issuing department : NPSU-PPE
Standard Operation Procedure

Document No. : Tootsie FA DIS ASS’Y SOP
Name : Loosen BTCB Screws
Station : 11(1/1)
Ver. : 0.1
Date : 2014/04/24

Step :

1. Loosen BTCB screw * 7 (Fig.1)

Notes :
If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric torx screwdriver(T8)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator : Alicia Chien
Auditor : Vick Weng
Issuing department : NPSU-PPE
Step:

1. Loosen BTCB screws. (Fig.1 / Fig.2)

Notes: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric torx screwdriver(T8)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien  
Auditor: Vick Weng  
Issuing department: NPSU-PPE
Step:
1. Loosen BTCB screws. (Fig.1 / Fig.2)

Notes: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric torx screwdriver(T8)</td>
<td>1</td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien
Auditor: Vick Weng
Issuing department: NPSU-PPE
Step:

1. Disassemble BTCB.

Fig.1

Fig.2

Fig.3

Notes: If finding anything uncommon, notice foreman or assistant at once.

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

Tabulator: Alicia Chien    Auditor: Vick Weng    Issuing department: NPSU-PPE
Standard Operation Procedure

Document No. : Tootsie FA DIS ASS’Y SOP
Name : Disassemble Speaker Cable, Antenna
Version : 0.1
Date : 2014/04/24

Step:

1. Disassemble all WLAN/WWAN cables.
2. Disassemble speaker cable.

Notes: If finding anything uncommon, notice foreman or assistant at once.

Fixture list (Fixture standard) | Qty | Fixture list (Fixture standard) | Qty
--- | --- | --- | ---

Tabulator: Alicia Chien    Auditor: Vick Weng    Issuing department: NPSU-PPE
Step:
1. 15" : Loosen screw* 3.
   14" : Loosen screw* 2.
2. Disassemble USB/B.

Notes: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric cross screwdriver (#1)</td>
<td>1</td>
</tr>
</tbody>
</table>
Step:
1. Disassemble power/B FFC from M/B.

Notes: If finding anything uncommon, notice foreman or assistant at once.

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

Tabulator: Alicia Chien
Auditor: Vick Weng
Issuing department: NPSU-PPE
Standard Operation Procedure

Document No. : Tootsie FA DIS ASS’Y SOP
Name : Disassemble Fan & LCM cable
Station : 18(1/1)
Ver. : 0.1
Date : 2014/04/24

Step :
1. Loosen fan screw* 2. (Fig.1)
2. Disconnect fan cable from M/B. (Fig.1)
3. Disassemble LCM CNTR. (Fig.2)

Notes : If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric cross screwdriver (#1)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator : Alicia Chien
Auditor : Vick Weng
Issuing department : NPSU-PPE
**Step:**

1. Loosen M/B screw* 3.  
   (Fig.1 / Fig.2 / Fig.3 / Fig.4 )

2. Take up the M/B. (Fig.5)

---

**Notes:** If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric cross screwdriver (#1)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Tabulator:** Alicia Chien  
**Auditor:** Vick Weng  
**Issuing department:** NPSU-PPE
Step:

1. Put the M/B on support fixture.

2. Loosen set screws, remove the thermal.

Fig. 1

Notes: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric cross screwdriver (#1)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>M/B support fixture – B Side (14 or 15)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien                      Auditor: Vick Weng                     Issuing department: NPSU-PPE
Step:

1. Open the notebook, then put it on support fixture.

2. Loosen screw * 4. (Fig.1 / Fig.2 / Fig.3)

3. Separate LCM and BU.

Notes: If finding anything uncommon, notice foreman or assistant at once.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric cross screwdriver (T8)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Support fixture (14 or 15)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien Auditor: Vick Weng Issuing department: NPSU-PPE