Product End-of-Life Disassembly Instructions

Product Category: Personal Computers

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

HP Spectre One

**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 MB, Webcam, converter board, Wlan card, mSATA card, Rear IO board, Right IO board, Left IO board, NFC board</td>
<td>9</td>
</tr>
<tr>
<td>Batteries</td>
<td>All types including standard alkaline and lithium coin or button style batteries</td>
<td>5</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>0</td>
<td></td>
</tr>
<tr>
<td>External electrical cables and cords</td>
<td></td>
<td>1</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>0</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>0</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>Screw Driver</td>
<td>2#X10</td>
</tr>
<tr>
<td>Screw Driver</td>
<td>1#X10</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. Please refer to the 3.2.2 disassemble Rear cover
2. Please refer to the 3.2.3 separate Neck and Display parts
3. Please refer to the 3.2.4 disassemble Base pan of Neck side
4. Please refer to the 3.2.5 disassemble Rear IO, Right IO, Left IO, NFC board
5. Please refer to the 3.2.6 disassemble HDD
6. Please refer to the 3.2.7 disassemble Thermal module and Fan
7. Please refer to the 3.2.8 disassemble MB
8. Please refer to the 3.2.9 disassemble Wireless and mSATA card
9. Please refer to the 3.2.10 disassemble CPU and DDR and Battery
10. Please refer to the 3.2.11 disassemble Speaker
11. Please refer to the 3.2.12 disassemble Display rear cover
12. Please refer to the 3.2.13 disassemble Converter, Webcam, Digital MIC, Power button board
13. Please refer to the 3.2.14 disassemble all the Cables of Display side
14. Please refer to the 3.2.15 disassemble LCD base pan
15. Please refer to the 3.2.16 disassemble LCD panel
16. Please refer to the 3.2.17 disassemble Mouse/Keyboard Battery
17. Please refer to the 3.2.18 disassemble Power supply

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).

1. Place the system

PSG instructions for this template are available at [EL-MF877-01](#).
2. Disassemble rear cover
   (1). Remove 1pcs screws with circle in red

3. Separate Neck side and Display side
   (1). Remove the cables on the top of MB before separate the Neck and Display
   (2). Remove 6pcs screws with circle in red

PSG instructions for this template are available at EL-MF877-01
(3). Separate the Neck and Display

4. Disassemble base pan
   (1). Remove 11pcs screws with circle in red

   (2). Remove 3pcs screws with circle in red to remove the 19V power cable

PSG instructions for this template are available at EL-MF877-01
5. Disassemble Rear IO, Right IO, Left IO, NFC board
(1). Remove 8 pcs screws with circle in red
(2). Remove 2 pcs screws with circle in yellow to remove Dongle cable
(3). Remove NFC Antenna tear from the corner follow the red arrow
6. Disassemble HDD
(1). Remove 1pcs screws with circle in red and remove the HDD from the hook with circle in orange.

7. Disassemble Thermal module and Fan
(1). Remove 3pcs screws with circle in red to remove the Fan.
(2). Release 7pcs screws with circle in red to remove the Thermal module.
8. Disassemble MB
   (1) Remove 9pcs screws with circle in red

9. Disassemble wireless card and mSATA card
   (1) Remove two cables and 1pcs screw in order to remove wireless card, remove 2pcs screws in order to remove mSATA card

10. Disassemble CPU and DDR and Battery
    (1) Remove the CPU by releasing the hook for Intel
(2) Pull both clicks outward that holding the memory to remove the DDR.

(3) Pull backward the clip to release the battery

11. Disassemble Speaker
(1) Release 10pcs screws with circle in red
(2). Release 3pcs screws with circle in red

(3). Remove Front cover with Die-casting part
Leave the hook on the top

Separate the front cover with die-casting
(4). Release 9pcs screws with circle in red to remove the Speaker

12. Disassemble Display rear cover
(1). Place the Display side part

(2). Remove the cover bottom

(3). Release 2pcs screws with circle in red
(4). Remove the hinge cover

(6). Release 2pcs screws with circle in red
(7). Slide the rear cover follow the arrow way

(8). Remove the rear cover
13. Disassemble Converter board, Webcam, Digital MIC, Power button board

(1). Release 2pcs screws with circle in red to remove the Converter board

(2). Release 2pcs screws with circle in red to remove Webcam

(3). Release 4pcs screws with circle in red to remove the Digital MIC
(4). Release 2pcs screws with circle in red to remove the Power button board

14. Disassemble all the cable of Display side
(1). Release 4pcs screws with circle in red to remove two LCD frame brackets top then remove the cables

(2). Remove the LVDS cable
Press the latch with red arrow point then pull
15. Disassemble the LCD base pan
(1). Release 9pcs screws with circle in red to remove LCD base pan

16. Disassemble the LCD panel
(1). Remove LCD panel from the LCD frame
17, Remove Mouse/Keyboard Battery

18, Remove power supply
PSG instructions for this template are available at [EL-MF877-01](EL-MF877-01).