Product End-of-Life Disassembly Instructions

Product Category: Personal Computers

Marketing Name / Model
[List multiple models if applicable.]
HP ProOne 440 G4 All-in-One Business PC

**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 PCA</td>
<td>3</td>
</tr>
<tr>
<td>Batteries</td>
<td>All types including standard alkaline and lithium coin or button style batteries Battery pack;RTC</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>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>LED</td>
</tr>
<tr>
<td>Cathode Ray Tubes (CRT)</td>
<td>N/A</td>
<td>0</td>
</tr>
<tr>
<td>Capacitors / condensers (Containing PCB/PCT)</td>
<td>N/A</td>
<td>0</td>
</tr>
<tr>
<td>Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height</td>
<td>N/A</td>
<td>0</td>
</tr>
<tr>
<td>External electrical cables and cords</td>
<td>N/A</td>
<td>0</td>
</tr>
<tr>
<td>Gas Discharge Lamps</td>
<td>N/A</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>N/A</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. N/A</td>
<td>0</td>
</tr>
<tr>
<td>Components and waste containing asbestos</td>
<td>N/A</td>
<td>0</td>
</tr>
</tbody>
</table>
Components, parts and materials containing refractory ceramic fibers | N/A | 0
Components, parts and materials containing radioactive substances | N/A | 0

### 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 (for 12 PCS on bottom case)</td>
<td>#1 2.5~3.0 kg-cm</td>
</tr>
<tr>
<td>Description #2 Phillips screwdriver (for 9 PCS on motherboard)</td>
<td>#1 2.5~3.0 kg-cm</td>
</tr>
<tr>
<td>Description #3 Phillips screwdriver (for 2 PCS on HDD Bracket &amp; 4 PCS on Battery)</td>
<td>#1 2.5~3.0 kg-cm</td>
</tr>
<tr>
<td>Description #4 Phillips screwdriver (for 10 PCS on base side hinge bracket)</td>
<td>#1 2.5~3.0 kg-cm</td>
</tr>
<tr>
<td>Description #5 Use jig disassembly Lcd Bezel with Lcd cover</td>
<td>Pick thickness 0.3~0.4mm</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. Release 4 Phillips #2 screws then remove roof cover by hands from top side refer figure 1
2. Release 2 Phillips #2 screws then push out ODD kits. refer figure 2
3. Check hood sensor cable would be remove from hook of FAN. refer figure 3
4. Release 3 T15 screws then remove FAN from system.
5. Release 4 T15 screws then remove heat sink refer figure 4
6. Unplug Power FFC, Speaker cable and CCD cable refer figure 5
7. Unplug LVDS FFC cable refer figure 6
9. Release 1 Phillips #1 screw then remove Wireless card refer figure 9
10. Move outward the latch on both side of the DIMM.Then take out DIMM refer figure 10
11. Release 3 T15 screws to take out MB refer figure 11
12. make the system turn the other side. Remove the speaker grill by hands refer figure 12
13. Release 4 T15 screws then remove speaker refer figure 13.
15. Remove 2 antenna from plastic refer figure 15
16. Release 3 Phillips #1 screw then make system turn to other side refer figure 16
17. Remove webcam housing cover by hands refer figure 17
18. Release 2 Phillips screws then remove CCD bracket. Unplug the webcam cable.refer figure 18
19. Release 4 Phillips screws then take out the pop up webcam structure refer figure 19
20. Release 2 Phillips screws then remove CCD bracket. Unplug the webcam cable. refer figure 20
21. Release 4 Phillips #1 screws then remove basepan bracket. You will see LVDS and back light cable refer figure 21
22. Remove 6 Phillips #1 screws can make the LCD and panel frame to be separated refer figure 22

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).
Release 4 Phillips #2 screws then remove roof cover by hands from top side.

Release 2 Phillips #2 screws then push out ODD kits.

Check hood sensor cable would be remove from hook of FAN.

Release 3 T15 screws then remove FAN from system. Release 2 T15 screws then remove option board.

Release 4 T15 screws then remove heat sink.

Unplug Power FFC, Speaker cable and CCD cable.
Unplug LVDS FFC cable

Unplug Antenna cable, Back light cable, Hood sensor cable, HDD FFC cable, Touch cable, Touch cable. Don’t unplug RTC battery.

Release 1 Phillips #1 screw then remove Wireless card

Move outward the latch on both side of the DIMM. Then take out DIMM.

Release 3 T15 screws to take out MB.

make the system turn the other side. Remove the speaker grill by hands.

Release 4 T15 screws then remove speaker.

Remove Power holder with releasing 1 Phillips #1 screw.
Remove 2 antenna from plastic.

Release 3 Phillips #1 screw then make system turn to other side.

Remove webcam housing cover by hands

Release 2 Phillips screws then remove CCD bracket. Unplug the webcam cable.

Release 4 Phillips screws then take out the pop up webcam structure.

Release 6 Phillips #1 screws then remove middle frame cover

Release 4 Phillips #1 screws then remove basepan

Remove 6 Phillips #1 screws can make the LCD and panel frame to be separated.
| bracket. You will see LVDS and back light cable. |   |