Product End-of-Life Disassembly Instructions

**Product Category:** Personal Computers

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

HP ProDesk 680 G3 Microtower Business PC (with PCI slot)

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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>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>Acbel EPA92</td>
<td>1</td>
</tr>
<tr>
<td>External electrical cables and cords</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>Gas Discharge Lamps</td>
<td></td>
<td></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></td>
</tr>
<tr>
<td>Components and parts containing toner and ink,</td>
<td>Include the cartridges, print heads, tubes, vent</td>
<td></td>
</tr>
</tbody>
</table>
including liquids, semi-liquids (gel/paste) and toner chambers, and service stations.
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>
</tbody>
</table>

Description #4
Description #5

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. Pull the latch and remove access panel.
2. Pull the HDD latch form HDD cage.
3. Disconnect SATA/Power cables from the HDD.
4. Disconnect SATA/Power cables from slim ODD.
5. Remove main bezel from chassis.
6. Press 5.25" ODD latch.
7. Remove 5.25" ODD from ODD cage.
8. Press slim ODD latch.
9. Remove slim ODD from ODD cage.
10. Remove HDD cage from the chassis.
11. Disconnect HDD SATA cable from the MB.
12. Disconnect HDD Power cable from the MB.
13. Disconnect P1 Power cable from the MB.
14. Disconnect P2 Power cable from the MB.
15. Disconnect speaker cable from the MB.
16. Disconnect CPU power cable from the MB
17. Disconnect ODD power cable from the MB
18. Disconnect ODD SATA cable from the MB
19. Poke clip and remove SATA & power cables
20. Disconnect heat sink cable from the MB
21. Loose the screws and remove heat sink
22. Loose the screws and remove the fan
23. Separate the fan from CPU heat sink
24. Disconnect system fan cable from the MB
25. Disconnect memory from the MB
26. Rotate the handle and open it up
27. Remove CPU from MB
28. Remove the battery from the MB
29. Loose the screws of MB
30. Remove MB from chassis
31. Loose screws of system fan and remove it
32. Loose the screws of speaker and remove it
33. Cut two cable ties of PSU cables from chassis
34. Loose the screws of PSU
35. Press PSU latch and remove it
36. Remove screw for top
37. Remove the screw form the bottom
38. Loose the screws of power connector
39. Cut two cable ties of PSU cables
40. Remove the screw and open case
41. Loose the screw of PCBA cable
42. Disconnect PSU fan cable from the PCBA
43. Loose four screws of PCBA
44. Press the PSU’s latch on chassis

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 Pull the latch and remove access panel

Figure 2 Pull the HDD latch form HDD cage

Figure 3 Disconnect SATA/Power cables from the HDD

Figure 4 Disconnect SATA/Power cables from slim ODD

Figure 5 Remove main bezel from chassis

Figure 6 Press 5.25" ODD latch
Figure 7 Remove 5.25” ODD from ODD cage

Figure 8 Press slim ODD latch

Figure 9 Remove slim ODD from ODD cage

Figure 10 Remove HDD cage from the chassis

Figure 11 Disconnect HDD SATA cable from the MB

Figure 12 Disconnect HDD Power cable from the MB

PSG instructions for this template are available at EL-MF877-01
Figure 13 Disconnect P1 Power cable from the MB

Figure 14 Disconnect P2 Power cable from the MB

Figure 15 Disconnect speaker cable from the MB

Figure 16 Disconnect CPU power cable from the MB

Figure 17 Disconnect ODD power cable from the MB

Figure 18 Disconnect ODD SATA cable from the MB
Figure 19 Poke clip and remove SATA & power cables

Figure 20 Disconnect heat sink cable from the MB

Figure 21 Use T-15 screwdriver to loose the screws and remove heat sink

Figure 22 Use PH1 screwdriver to loose the screws and remove the fan
Figure 23 Separate the fan from CPU heat sink

Figure 24 Disconnect system fan cable from the MB

Figure 25 Disconnect memory from the MB

Figure 26 Rotate the handle and open it up

Figure 27 Remove CPU from MB

Figure 28 Remove the battery from the MB
Figure 29 Use T-15 to loose the screws of MB

Figure 30 Remove MB from chassis

Figure 31 Use PH1 screwdriver to loose screws of system fan and remove it

Figure 32 Use T-15 screwdriver to loose the screws of speaker and remove it

Figure 33 Use 170II micro shear to cut two cable ties of PSU cables from chassis

Figure 34 Use T-15 screwdriver to loose the screws of PSU

PSG instructions for this template are available at EL-MF877-01
Figure 35 Press PSU latch and remove it

Figure 36 Use PH1 screwdriver to use PH2 screwdriver to remove screw for top

Figure 37 Use PH1 screwdriver to remove the screw from the bottom

Figure 38 Use PH1 screwdriver to loosen the screws of the power connector

Figure 39 Use 170II micro shear Cut two cable ties of PSU cables

Figure 40 Remove the screw and open case
Figure 41 Use PH1 to loose the screw of PCBA cable

Figure 42 Disconnect PSU fan cable from the PCBA

Figure 43 Use PH1 to loose four screws of PCBA

Figure 44 Press the PSU's latch on chassis