Product End-of-Life Disassembly Instructions

Product Category: Personal Computers

Marketing Name / Model
[List multiple models if applicable.]
HP t620 Plus Thin Client

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>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>0</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>
<tr>
<td>Components, parts and materials containing refractory ceramic fibers</td>
<td></td>
<td>0</td>
</tr>
</tbody>
</table>
Components, parts and materials containing radioactive substances | 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>Cross head of screwdriver</td>
<td></td>
</tr>
<tr>
<td>Hex head of screwdriver</td>
<td></td>
</tr>
<tr>
<td>TORX driver</td>
<td>T8 (2.31mm)</td>
</tr>
<tr>
<td>TORX driver</td>
<td>T15 (3.26mm)</td>
</tr>
</tbody>
</table>

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. 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. Disconnect RTC battery cable and remove battery from M/B.
5. Dispose of all removed components according to regulation requirements.
6. 
7. 
8. 

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).
Standard Operation Procedure

Document No. Jamestown Flex FA DIS ASS’Y SOP  Station : 1(1/1)
Name: Disassemble Rear cover, Bottom cover Ver. : 0.1 Date: 2013/08/13

1. Press the latch and disassemble the rear cover. (Fig. 1)

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Rear cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiber-Nic</td>
<td>6070B0707101</td>
</tr>
<tr>
<td>VGA/Serial</td>
<td>6070B0707001</td>
</tr>
</tbody>
</table>

   Tab. 1

2. Poke the green switch to left (unlock position). (Fig. 2).

3. Disassemble bottom cover (6070B0706801). (Fig. 3)

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

   Holding fixture list (holding fixture standard) Qty  Holding fixture list (holding fixture standard) Qty

Tabulator: Alicia Chien  Auditor: Kevin, Lee  Issue department: NPSU-PPE
Step:

1. Disconnect Fan cable. (Fig. 1)

2. Disassemble Fan module.
   - Loosen the two green latches first. (Fig. 2)
   - Press middle hook to pull out Fan module vertically. (Fig. 3)

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
</table>

Tabulator: Alicia Chien
Auditor: Kevin, Lee
Issue department: NPSU-PPE
Step:

1. Loosen screws (6052B0259601) * 2. (Fig. 1) Disassemble Fan cable.

2. Dispart Fan (6033B0035901) and Fan holder (6070B0709301). (Fig. 2)

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding 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: Kevin, Lee
Issue department: NPSU-PPE
Step:

[With VGA card SKU]

1. Disassemble VGA card (6042B0220801) (Fig. 1).
   - Withdraw VGA card bracket from rear bracket hole. (Fig. 2)

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
</table>

Tabulator: Alicia Chien  
Auditor: Kevin, Lee  
Issue department: NPSU-PPE
Step:

[Non Fiber NIC SKU]

1. Disconnect MAIN & AUX antenna cables from WLAN card. (Fig. 1)

Disassemble MAIN & AUX antenna cables. (Fig. 2)

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Router stick</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien  
Auditor: Kevin, Lee  
Issue department: NPSU-PPE
Step:

[Non Fiber NIC SKU]

1. Loosen screw (6052B0259201) * 1, disassemble MAIN antenna. (Fig.1)

2. Loosen screw (6052B0259201) * 1, disassemble AUX antenna. (Fig.2)

<table>
<thead>
<tr>
<th>Vendor</th>
<th>MAIN</th>
<th>AUX</th>
</tr>
</thead>
<tbody>
<tr>
<td>速碼波</td>
<td>6036B0119201</td>
<td>6036B0119301</td>
</tr>
<tr>
<td>啟碁</td>
<td>6036B0119203</td>
<td>6036B0119303</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>T8 electric screwdriver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien  
Auditor: Kevin, Lee  
Issue department: NPSU-PPE
Standard Operation Procedure

Document No.: Jamestown Flex FA DIS ASS’Y SOP
Name: Disassemble Fiber NIC port
Ver.: 0.1
Date: 2013/08/13
Station: 7(1/1)

Step:

[With Fiber NIC SKU] Trial Run Build Only

1. Disassemble Fiber NIC port black cover * 2 (Fig.1), put the machine on support fixture, loosen screw * 2. (Fig.1)

2. Disassemble Fiber NIC port module, then assemble the cover * 2. (Fig.2)

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric cross screwdriver #1</td>
<td>1</td>
<td>Support fixture</td>
<td>1</td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien  
Auditor: Kevin, Lee  
Issue department: NPSU-PPE
Step:

[With Fiber NIC SKU] Trial Run Build Only

1. Disassemble Fiber NIC module cable.

2. Loosen screw (6052B0264101) * 2, take out the small card. (Fig.2)

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding 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: Kevin, Lee  
Issue department: NPSU-PPE
Step:

[With Fiber NIC SKU] **Trial Run Build Only**

1. Stick FFC on Fiber NIC module with tape.  
   (Fig.1)

2. Disassemble Fiber NIC module  
   (6042B0229401). (Fig.2).

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
</table>

Tabulator: Alicia Chien  
Auditor: Kevin, Lee  
Issue department: NPSU-PPE
Step:

[With Fiber NIC SKU] Trial Run Build Only

1. Loosen set screw * 2 (Fig.1), disassemble BRKT Rear Fiber-NIC (6070B0710201). (Fig.1)

2. Loosen NGFF screw (6070B0709401) * 1. (Fig.2)

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric cross screwdriver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Step:

[Non Fiber NIC SKU]

1. Loosen NGFF screw
   (6070B0709401) * 1. (Fig.1)

2. Loosen screw (6052B0259201) * 1, take out the WLAN card. (Fig.1).

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>T8 Electric screwdriver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Step:

[With Serial SKU]
1. Disassemble Serial port cable (Fig. 1).

[With VGA SKU]
1. Disassemble VGA port cable (Fig. 2)

[W/O VGA card SKU]
1. Disassemble VGA Dummy BRKT (6053B0964601) (Fig. 3)

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
</table>

Tabulator: Alicia Chien  
Auditor: Kevin, Lee  
Issue department: NPSU-PPE
Step:
1. Disassemble Riser/B (Fig. 1).
2. Disconnect Serial Plus cable & Parallel port cable from Riser/B. (Fig. 2).
3. Rip Gasket (6054B0088001)*1 from thermal module. (Fig. 3)

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
</table>

Tabulator: Alicia Chien           Auditor: Kevin, Lee           Issue department: NPSU-PPE
Standard Operation Procedure

Document No.         : Jamestown Flex FA DIS ASS’Y SOP
Name                 : Dispart Riser/B & BRKT
Station              : 13(1/1)
Ver.                 : 0.1
Date                 : 2013/08/13

Step :

1. Put Riser/B with BRKT (6070B0713801) at support fixture and then loosen screws (6052B0259201) * 2 to dispart them. (Fig. 1).

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>T8 Electric screwdriver</td>
<td>1</td>
<td>Riser/B support fixture</td>
<td>1</td>
</tr>
</tbody>
</table>

Tabulator : Alicia Chien
Auditor : Kevin, Lee
Issue department : NPSU-PPE
Standard Operation Procedure

Document No. Jamestown Flex FA DIS ASS’Y SOP  Station : 14(1/1)
Name : Disassemble Rear BRKT  Ver. : 0.1  Date : 2013/08/13

Step :

1. Loosen screw (6052B0259201) * 2. (Fig.1)

2. Loosen screw (6052B0259201) * 2. (Fig.2)

3. Poke the green switch to left (unlock position). Disassemble Rear BRKT(Fig.3)

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>T8 Electric screwdriver</td>
<td>1</td>
<td>Support fixture</td>
<td>1</td>
</tr>
</tbody>
</table>

Tabulator : Alicia Chien  Auditor : Kevin, Lee  Issue department : NPSU-PPE
Step:

[With VGA SKU]
1. Put Rear BRKT (6070B0706701) module on support fixture.

2. Loosen hex screw (6052A0028801) * 2 to take out VGA cable (6017B0449001). (Fig. 1)

[With Serial SKU]
1. Put Rear BRKT module on support fixture.

2. Loosen hex screw (6052A0028801) * 2 to take out serial cable (6017B0448901). (Fig. 2)

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric hex screwdriver</td>
<td>1</td>
<td>Support fixture</td>
<td>1</td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien  
Auditor: Kevin, Lee  
Issue department: NPSU-PPE
Disassemble Parallel & Serial Plus port cable

Step:

1. Dispart Parallel cable & Serial Plus cable from rear bracket. (Fig. 1).
2. Loosen hex screw (6052A0028801) * 4 (Fig. 2) to take out Parallel cable (6017B0449101) & Serial plus cable (6017B0449201).

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric hex screwdriver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Support fixture</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien  
Auditor: Kevin, Lee  
Issue department: NPSU-PPE
Step:
1. Loosen set screw * 2. (Fig.1)
2. Slide the cover DIMM(6070B0709601) to left, remove the cover DIMM. (Fig.1)
3. Disassemble DDR. (Fig.2)

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric cross screwdriver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien  
Auditor: Kevin, Lee  
Issue department: NPSU-PPE
Step:

1. Loosen screw (6052B0259201) * 2, then disassemble m-SATA. (Fig.1)

2. Disconnect speaker cable, then disassemble it. (Fig.2)

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>T8 Electric screwdriver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien  
Auditor: Kevin, Lee  
Issue department: NPSU-PPE
Step:

**[With Hood Sensor SKU]**

1. Disconnect Hood Sensor cable from M/B, then disassemble cable. (Fig.1)

2. Disassemble Hood Sensor (6017B0456601). (Fig.2)

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien  
Auditor: Kevin, Lee  
Issue department: NPSU-PPE
Standard Operation Procedure

Document No. Jamestown Flex FA DIS ASS’Y SOP
Name: Disassemble M/B
Ver.: 0.1
Date: 2013/08/13
Station: 20(1/1)

Step:

1. Loosen M/B screw (6052B0259401) * 5. (Fig.1)

2. Disassemble M/B. (Fig.2)

3. Disconnect RTC battery cable and remove battery from M/B. (Fig.3)

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>T15 Electric screwdriver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien  Auditor: Kevin, Lee  Issue department: NPSU-PPE
Step:

1. Put the M/B on support fixture.

2. Loosen thermal set screw * 4. (Fig.1)

3. Take out thermal module.

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>M/B A side support fixture</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T15 Electric screwdriver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien  Auditor: Kevin, Lee  Issue department: NPSU-PPE
Disassemble Speaker

**Step:**

1. Put the chassis (6070B0707701) on support fixture. (Fig.1)

2. Loosen speaker screw *1, disassemble the speaker. (Fig.2)

---

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric cross screwdriver #1</td>
<td>1</td>
<td>Support fixture (For speaker)</td>
<td>1</td>
</tr>
<tr>
<td>Support fixture (For speaker)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>