Product End-of-Life Disassembly Instructions

Product Category: Personal Computers

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

HP t630 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>
</tbody>
</table>
Components, parts and materials containing refractory ceramic fibers | 0
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>Screw Fixture</td>
<td></td>
</tr>
<tr>
<td>T8 &amp; T15 Electric cross screwdriver</td>
<td></td>
</tr>
<tr>
<td>Hex Head Electric cross screwdriver</td>
<td></td>
</tr>
<tr>
<td>Tweezers</td>
<td></td>
</tr>
<tr>
<td>Speaker support fixture &amp; M/B A side Support Fixture</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. Disconnect RTC battery cable and remove battery from M/B.
5. Dispose of all removed components according to regulation requirements.
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).
### A. Current station version list

<table>
<thead>
<tr>
<th>Station</th>
<th>Ver.</th>
<th>Station</th>
<th>Ver.</th>
<th>Station</th>
<th>Ver.</th>
<th>Station</th>
<th>Ver.</th>
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<td>12</td>
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<tr>
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<td>13</td>
<td>0.1</td>
<td>14</td>
<td>0.1</td>
<td>15</td>
<td>0.1</td>
</tr>
<tr>
<td>3</td>
<td>0.1</td>
<td>16</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>0.1</td>
<td></td>
<td></td>
<td>17</td>
<td>0.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>0.1</td>
<td></td>
<td></td>
<td>18</td>
<td>0.1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### B. Version Modify list

<table>
<thead>
<tr>
<th>Revision</th>
<th>Date</th>
<th>Station</th>
<th>Content</th>
<th>Ver.</th>
<th>Design</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.1</td>
<td>2016/05/17</td>
<td>ALL</td>
<td>FIRST VERSION</td>
<td>0.1</td>
<td>Daren Chen</td>
</tr>
</tbody>
</table>

Auditor: Daren Chen  
Tabulator: Alicia Chien
Standard Operation Procedure

Document No. : Tristar FA Disassembly SOP
Name : Disassemble Rear cover,Bottom cover

Ver. : 0.10
Date : 2016/5/13

Step : L10 L7

1. Disassemble Rearcover. (Fig.1/Fig.2)

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Rear cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiber-Nic</td>
<td>6070B1011901</td>
</tr>
<tr>
<td>VGA/Serial</td>
<td>6070B1011001</td>
</tr>
</tbody>
</table>

2. Push the green button to Un-Lock. (Fig.3).
3. Disassemble Bottom cover. (6070B1011301) (Fig.4)

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

Tabulator : Alicia Chien  
Auditor : Nydia Lee  
Issue department : NPSU-PPE
**Standard Operation Procedure**

**Document No.** : Tristar FA Disassembly SOP  
**Station** : 2(1/1)  
**Name** : Disassemble External antenna cable  
**Ver.** : 0.10  
**Date** : 2016/5/13

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**Holding fixture list (holding fixture standard)**

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

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**Step :** L10

**[For External antenna cable]**

1. Rip the acid tape, Disconnect Main and AUX antenna cable (Fig.1)
2. Disassemble the bracket (Fig.2)
3. Loosen screw (6052B0127601) *2 (Fig.3)

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

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**Tabulator** : Alicia Chien  
**Auditor** : Nydia Lee  
**Issue department** : NPSU-PPE
Standard Operation Procedure

Document No. : Tristar FA Disassembly SOP  
Name : Disassemble External antenna cable  
Station : 3(1/1)  
Ver. : 0.10  
Date : 2016/5/13

Step : L10

[For External antenna cable]

1. Disassemble External antenna connector *2 (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>External antenna cable assemble fixture</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hex Head Electric cross screwdriver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Document No. : Tristar FA Disassembly SOP  
Station : 4(1/1)  
Name : Loosen Rear BRKT screw  
Ver. : 0.10  
Date : 2016/5/13

Step : L10  L7

Fig.1

(for VGA port)
1. Disassemble VGA cable. (Fig.1)

(for serial port)
1. Disassemble Serial cable. (Fig.2)

(for All)
1. Loosen screw (6052B0127601) * 2. (Fig.3)

Fig.2

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>External antenna cable assemble fixture</td>
<td>1</td>
<td>Electric cross screwdriver</td>
<td>1</td>
</tr>
</tbody>
</table>

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

1. Put the machine on the fixture.

2. Loosen Rear BRKT screw (6052A0028801) *2 (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>Hex Head Electric cross screwdriver Screw Fixture</td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

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

Document No. : Tristar FA Disassembly SOP  
Name : Loosen Rear BRKT screw

Step:

1. Put the machine on the fixture. (Fig.1)
2. Loosen Rear BRKT screw (6052B0127601) *5 (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>Screw Fixture</td>
<td>1</td>
</tr>
</tbody>
</table>

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

Document No. : Tristar FA Disassembly SOP
Name : Disassemble VGA(Serial) port cable
Station : 7(1/2)
Ver. : 0.10
Date : 2016/5/13

Step:

[With VGA SKU]
1. Rip Gasket(6054B0204401)*1 (Fig.2)

[With Serial / VGA SKU]
1. Disassemble Clip(6051B1092901) (Fig.1)
2. Put Rear BRKT on the fixture(Fig.3) · loosen screw (6052A0028801) * 2 (Fig.4)
3. Pack VGA port cable (6017B0722501)or Serial port cable (6017B0720801) into box
4. Pack Rear bracket (6070B0706701) into box

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>Hex Head Electric cross screwdriver</td>
<td>1</td>
<td>Screw Fixture</td>
<td>1</td>
</tr>
</tbody>
</table>

Tabulator : Alicia Chien  Auditor : Nydia Lee  Issue department : NPSU-PPE
Notes : If finding anything uncommon, notice foreman or assistant at once.

<table>
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<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 :**

**[For Internal SC Fiber Nic module]**
1. Loosen screw (6052B0127601). (Fig.1)
2. Disassemble SC Fiber Nic module (Fig.2)
3. Rip rubber (6054B0777601) x2 (Fig.5)
4. Rip gasket (6054B1614201) (Fig.5)

**[For Internal LC Fiber Nic module]**
1. Loosen screw (6052B0127601). (Fig.3)
2. Disassemble LC Fiber Nic module (Fig.3)

**[For Internal AT-27 Fiber Nic module]**
1. Loosen screw (6052B0127601). (Fig.4)
2. Disassemble AT-27 Fiber Nic module (Fig.4)
**Step:**

**[For Internal WLAN module]**

1. Disconnect MAIN and AUX antenna cable. (Fig.1)
2. Disassemble MAIN and Aux antenna cable. (Fig.2)
3. Loosen screw (6052B0127601) *2 (Fig.2)
4. Pack MAIN and Aux antenna cable into box.

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**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:** Nydia Lee  
**Issue department:** NPSU-PPE
Step:

1. Loosen SSD screw (Fig.1)

2. Disassemble SSD. (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 cross screwdriver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Disassemble DDR and WLAN

Step:

1. Disassemble DDR. (Fig.1)

[For With WLAN Model]
1. Loosen SSD screw(6052B0127601)*1(Fig.1)
2. Disassemble WLAN card.

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

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

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

1. Disconnect USB/B FFC. (Fig.1)

2. Loosen USB/B screw(6052B0127601)*2 (Fig.1)

3. Pack USB/B into box.

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: Nydia Lee  
Issue department: NPSU-PPE
Standard Operation Procedure

Document No. : Tristar FA Disassembly SOP
Name : Disassemble Speaker cable
Station : 12(1/1)
Ver. : 0.10
Date : 2014/5/13

Step : L10 L7

1. Disconnect Speaker cable. (Fig.1)
2. Disassemble Speaker cable. (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>
</table>

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

Document No. : Tristar FA Disassembly SOP
Name : Disassemble M/B
Station : 13(1/1)
Ver. : 0.10
Date : 2014/5/13

Step :

1. Loosen M/B screw(6052B0259401) * 6 (Fig.1)
2. Disassemble M/B. (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>T15 Electric cross screwdriver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator : Alicia Chien
Auditor : Nydia Lee
Issue department : NPSU-PPE
Step: L10 L7

1. Put M/B on the fixture. (Fig.1)

2. Loosen Thermal screw *4 (Fig.1)

3. Disassemble Thermal. (6043B0202201)

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>T15 Electric cross screwdriver</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Document No.: Tristar FA Disassembly SOP
Name: Disassemble Bios
Station: _15(1/1)_
Ver.: 0.10
Date: 2014/5/13

Step:

1. Put M/B on the fixture. (Fig.1)
2. Open XU19 cap • Disassemble BIOS (Fig.2) Close the cap (Fig.3)
3. Pack M/B into box.

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>Tweezers</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Document No. : Tristar FA Disassembly SOP  Station : 16(1/1)
Name : Disassemble Speaker  Ver. : 0.10  Date : 2014/5/13

Step:

1. Loosen Speaker screw (6052B0264101) * 1 (Fig.2)
2. Disassemble Speaker (6039B0080501)
3. Pack Speaker and Baspan (6070B0706401) into box.

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>Speaker support fixture</td>
<td>1</td>
</tr>
</tbody>
</table>

Tabulator : Alicia Chien  Auditor : Nydia Lee  Issue department : NPSU-PPE