## Product End-of-Life Disassembly Instructions

### 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>3</td>
</tr>
<tr>
<td>Batteries</td>
<td>All types including standard alkaline and lithium coin or button style batteries</td>
<td>2</td>
</tr>
<tr>
<td>Mercury-containing components</td>
<td>For example, mercury in lamps, display backlights, scanner lamps, switches, batteries</td>
<td>1</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></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</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

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 Motor-screw-driver “+”</td>
<td>Cross head of screwdriver</td>
</tr>
<tr>
<td>Description #2 Motor-screw-driver ***</td>
<td>TORX T8 (2.31mm)</td>
</tr>
<tr>
<td>Description #3 Motor-screw-driver “-”</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. 
5. 
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).
# Manufacturing Process Instructions

## Mechanical Assembly

### Model: Gucci

<table>
<thead>
<tr>
<th>Sub-assembly name:</th>
<th>SOP Gucci 1.0  FA   DIS-ASS’ Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>Document No.:</td>
<td>SOP Gucci 1.0  FA   DIS-ASS’ Y</td>
</tr>
<tr>
<td>Written by:</td>
<td>Zhang, Ying</td>
</tr>
<tr>
<td>Date:</td>
<td>2009/6/16</td>
</tr>
<tr>
<td>Revision:</td>
<td>1.00</td>
</tr>
</tbody>
</table>

### A. Current Station Version List:

<table>
<thead>
<tr>
<th>Station</th>
<th>Version</th>
<th>Station</th>
<th>Version</th>
<th>Station</th>
<th>Version</th>
<th>Station</th>
<th>Version</th>
<th>Station</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
</tbody>
</table>

### B. Version Modify List:

<table>
<thead>
<tr>
<th>Date</th>
<th>Station</th>
<th>Content</th>
<th>Ver.</th>
<th>Design</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009/6/16</td>
<td>ALL</td>
<td>First SOP for mass production</td>
<td>1.00</td>
<td>Sun,Amos</td>
</tr>
</tbody>
</table>

Auditor: ____________  Tabulator: Zhang, Ying
1. Pull latch, slip battery, and take it out.
   - Battery must be paralleled with machine when pushing out.

**Point for attention:** If finding some defects, notice the gaffer and assistant
Working Instruction

Document No. : SOP Gucci 1.0 FA Disassembly
Name : Disassemble base rubber

1. Disassemble base rubber*4, for Fig.

Point for attention : If finding some defects, notice the gaffer and assistant

<table>
<thead>
<tr>
<th>Fixture list（Fixture standard）</th>
<th>Qty</th>
<th>Fixture list（Fixture standard）</th>
<th>Qty</th>
</tr>
</thead>
</table>

Tabulator : Zhang Ying
Issuing department : IE
1. Loosen screws of BTCB*4. (Fig.1)
   • Torsion: 1.5 ± 0.2 kgf · cm;
   • Screws can't be stripped.

Point for attention: If finding some defects, notice the gaffer and assistant

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic hexagonal screw driver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Zhang Ying  Issuing department: IE
1. Loosen screws (6052B0122901) * 4 of SW cover.

- Torsion: 1.5 ± 0.2 kgf cm;
- Screws can't be stripped.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic crossing screw driver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Point for attention: If finding some defects, notice the gaffer and assistant.

Tabulator: Zhang Ying  Issuing department: IE
1. Hold up the battery side of SYSTEM.
2. Loosen screws (60520D065905) * 3 of K/B (Fig)
   • Torsion: 1.5 ± 0.2 kgf · cm;
   • Screws can't be stripped.

Point for attention: If finding some defects, notice the gaffer and assistant

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Automatic crossing screw driver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Zhang Ying  Issuing department: IE
Working Instruction

Document No. : SOP Gucci 1.0 FA Disassembly
Name : Disassemble K/B

Point for attention : If finding some defects, notice the gaffer and assistant

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
</table>

Tabulator : Zhang Ying
Issuing department : IE

1. lifts K/B on the about keyboard side upwards.
2. pulled out K/B CONNECTOR.
1. Loosen screws of HDD (6052B0119201) \(*2.\) (Fig.1)

2. Loosen screws of TPCB \(*2\)
   - **Torsion**: \(1.5 \pm 0.2\) kgf \(\cdot\) cm;
   - **Screws can't be stripped**.

**Point for attention**: If finding some defects, notice the gaffer and assistant.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic crossing screw driver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Tabulator**: Zhang Ying  **Issuing department**: IE
1. Loosen screws of TPCB *5.
   - Torsion: 1.5 ± 0.2 kgf · cm;
   - Screws can't be stripped.

Point for attention: If finding some defects, notice the gaffer and assistant

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic crossing screw driver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Zhang Ying  Issuing department: IE
1. Disassemble Antenna cable from WLAN CARD.
2. Take out HDD. (Fig.1)
3. Disassemble POWER BOARD CONNECTOR

Point for attention: If finding some defects, notice the gaffer and assistant
1. Disassemble BTCB,
   For fig, Exert oneself upwards and
   Disassemble under along BTCB.
   ➤First under, after lift and right

Point for attention: If finding some defects, notice the gaffer and assistant

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

Tabulator: Zhang Ying  Issuing department: IE
1. Disassemble T/P, SPEAKER CONNECTOR.
1. Loosen screws of POWER BOARD *3.
   - Torsion: $1.5 \pm 0.2 \text{ kgf} \cdot \text{cm}$;
   - Screws can't be stripped.

Point for attention: If finding some defects, notice the gaffer and assistant

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic crossing screw driver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Zhang Ying Issuing department: IE
Only For WWAN Card

1. Pull out WWAN antenna pin from WWAN CARD
2. Disassemble WWAN antenna cable, For fig.2.

Point for attention: If finding some defects, notice the gaffer and assistant

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Zhang Ying
Issuing department: IE
Only For WWAN Card

1. Loosen screws WWAN Card *2.
2. Loosen screws WWAN CARD BRACKET *1.

- Torsion: 1.5 ± 0.2 kgf · cm;
- Screws can't be stripped.

**Point for attention**: If finding some defects, notice the gaffer and assistant.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic crossing screw driver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Working Instruction

Document No. : SOP Gucci 1.0 FA Disassembly
Name : Disassemble MIC CABLE CONNECTOR & LCD CABLE CONNECTOR

Station : 15(1/1)
Ver. : 1.00
Date : 2009/6/16

1. Disassemble MIC CABLE CONNECTOR
2. Disassemble LCD CABLE CONNECTOR

Point for attention : If finding some defects, notice the gaffer and assistant

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
</table>

Tabulator : Zhang Ying
Issuing department : IE
1. Loosen screws WWAN CARD *2.
   - Torsion: 1.5±0.2 kgf·cm;
   - Screws can't be stripped.
2. Disassemble WLAN CARD.

**Point for attention**: If finding some defects, notice the gaffer and assistant

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic crossing screw driver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Zhang Ying  Issuing department: IE
1. Disassemble SIM CARD CONNECTOR.
2. Disassemble SIM CARD from BASE.

Point for attention: If finding some defects, notice the gaffer and assistant.
Working Instruction

Document No. : SOP Gucci 1.0 FA Disassembly

Name : Disassemble M/B

Issuing department : Zhang Ying IE

Station : 18(1/1)
Ver. : 1.00
Date : 2009/6/16

1. Loosen screws of M/B *1.
   - Torsion : $1.5 \pm 0.2 \text{ kgf \cdot cm}$;
   - Screws can't be stripped.

2. Disassemble M/B from Base.

3. Disassemble AUDIO BOARD from M/B.

Point for attention : If finding some defects, notice the gaffer and assistant

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
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<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic crossing screw driver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator : Zhang Ying
Issuing department : IE
Loosen screws of HINGE

1. Loosen screws of HINGE*1.
   - Torsion: $3.0 \pm 0.2 \text{ kgf \cdot cm}$
   - Screws can't be stripped.

2. Fetch LCM into kitting box.

Point for attention: If finding some defects, notice the gaffer and assistant

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic crossing screw driver</td>
<td>1</td>
</tr>
</tbody>
</table>

Tabulator: Zhang Ying  Issuing department: IE
Working Instruction

Document No. : SOP Gucci 1.0  FA Disassembly
Name : Disassemble SPEAKER

1. Loosen screws of SPEAKER *2.
   - Torsion: 1.5±0.2 kgf·cm;
   - Screws can't be stripped.

2. Fetch SPECAK into Material box.

Point for attention: If finding some defects, notice the gaffer and assistant

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
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</thead>
<tbody>
<tr>
<td>Automatic crossing screw driver</td>
<td>1</td>
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</tbody>
</table>

Tabulator: Zhang Ying  Issuing department: IE
Working Instruction

Document No. : SOP Gucci 1.0 FA Disassembly
Name : Disassemble T/P BRACKET

Point for attention : If finding some defects, notice the gaffer and assistant

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automatic crossing screw driver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator : Zhang Ying  Issuing department : IE

1. Loosen screws of T/P BRACKET *4.
   - Torsion : 1.5 ± 0.2 kgf · cm;
   - Screws can't be stripped.

2. Disassemble FFC CONNECTOR, take out T/P BRACKET.
3. Fetch T/P BRACKET into Material box.
Working Instruction

Document No. : SOP Gucci 1.0 FA Disassembly
Name : Disassemble Touch Pad/B

Station : 22(1/1)
Ver. : 1.00
Date : 2009/6/16

1. Loosen screws of Touch Pad/B *2.
   - Torsion : 1.5± 0.2 kgf · cm;
   - Screws can't be stripped.

2. Disassemble T/P.
3. Fetch T/P & T/P BOARD & TPCB into Material box.

Point for attention : If finding some defects, notice the gaffer and assistant

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
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</thead>
<tbody>
<tr>
<td>Automatic crossing screw driver</td>
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</table>

Tabulator : Zhang Ying   Issuing department : IE