# Product End-of-Life Disassembly Instructions

## Product Category: Notebooks and Tablet PCs

### Marketing Name / Model

[List multiple models if applicable.]

- HP EliteBook 8740w Mobile Workstation
- Name / Model #2
- Name / Model #3
- Name / Model #4
- Name / Model #5

### 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>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</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>
<tr>
<td>Components, parts and materials containing radioactive substances</td>
<td></td>
<td>0</td>
</tr>
</tbody>
</table>
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</td>
<td>Motor-screw-driver “+”</td>
</tr>
<tr>
<td>Description #2</td>
<td>Motor-screw-driver “*”</td>
</tr>
<tr>
<td>Description #3</td>
<td>Motor-screw-driver “.-”</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 : Armani

Sub-assembly name: SOP Armani 1.0 FA Dis-ASS’Y
Document No.: SOP Armani 1.0 FA Dis-ASS’Y
Written by: Tian, Hope
Date: 2009/10/20
Revision: 0.10
Page: 1 of 38

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>
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<th>Version</th>
</tr>
</thead>
<tbody>
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<td>6</td>
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<td>7</td>
<td>0.10</td>
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<td>27</td>
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</tr>
</tbody>
</table>

Date: 2009/10/20
Station: ALL
Content: Armani Dis-ASS’Y SOP
Ver.: 0.10
Design: Tian, Hope

審核: 製表: Zhu, Hui-ping
Working Instruction

Document No. : SOP Armani FA Dis-ASS'Y
Name : Disassemble battery

Step:

1. Turn over the machine, let its back face up. (Fig.1)

2. Release Battery Knob, take out the battery. (Fig.1)

3. Put Battery into the Kitting Box.

Fig.1

Tabulator : Zhu, Hui-ping  Issuing department: PE

attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<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>

2009/10/20
Step:

1. Loosen screws with the order as the picture showing screws(6052B0155201)*5.
   - Direction ↙
     - Sequence 1 → 2 → 3 → 5 → 4
   - Direction ↘
     - Sequence 4 → 3 → 2 → 1 → 5
   - Torsion: 2.5 ± 0.2 kgf. cm
   - Screws can't be stripped.
   - Take down the screws, put them into the material box.

Attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<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: Zhu, Hui-ping  Issuing department: PE
Step:

1. Loosen screws with the order as the picture showing screws(6052B0155201)*6.
   - Direction ←
     Sequence 1 → 2 → 3 → 4 → 5 → 6
   - Direction →
     Sequence 6 → 5 → 4 → 3 → 2 → 1
   - Torsion: 2.5 ± 0.2 kgf. cm
   - Screws can't be stripped.
   - Take down the screws, put them into the material box.

attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<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>
Loosen screws, take out ODD

Step:
1. Loosen screws*3 of KB, screw*1 for HDD.
   (Fig.2)
   - Direction ←
     Sequence 1 → 2 → 3 → 4
   - Direction →
     Sequence 4 → 1 → 2 → 3
   - Torsion: 2.0 ± 0.2 Kgf. cm
   - Screws can't be stripped.

2. Take out ODD, put into the material box.(Fig.1)

Attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<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: Zhu, Hui-ping  Issuing department: PE
Working Instruction

Document No. : SOP Armani FA Dis-ASS'Y  Station : 5(1/1)
Name : Take down DDR & HDD cover & HDD  Ver. : 0.10  Date : 2009/10/20

Step:

1. Loosen screw*1 of DDR cover, screw*1 for HDD Cover (Fig.2).
   - Torsion: 2.0 ± 0.2 Kgf. cm
   - Screws can't be stripped.

2. Take down DDR cover, HDD Cover, put them into the material box.

3. loosen screw*1 of HDD (SET)*1.(Fig.1)
   - Torsion: 2.0 ± 0.2 Kgf. cm
   - Screws can't be stripped.

4. Take down HDD, put it into the material box.

attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<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 : Zhu, Hui-ping  Issuing department: PE
**Working Instruction**

Document No. : SOP Armani FA Dis-ASS'Y  
Name : Take out Wireless &Bluetooth Cover  
Ver. : 0.10  
Date : 2009/10/20

**Step:**

1. Pull out two holders of WLAN module. (Fig. 2)  
   - Take out the tape

2. After pulling out holders, wrap them with plastic tube for protecting.

3. Take out Bluetooth Cover, put it into the material box.

**Fixture list (Fixture standard)**

<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>
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<td></td>
</tr>
</tbody>
</table>

**Tabulator:** Zhu, Hui-ping  
**Issuing department:** PE
Step:

1. Loosen screws of battery (6052B0067801) *3 (Fig.3)
   - Direction ←
     - Sequence 1 → 2 → 3
   - Direction →
     - Sequence 1 → 2 → 3
   - Torsion: 2.0 ± 0.2 Kgf. cm
   - Screws can't be stripped.

2. Take out Bluetooth, take down Bluetooth from the cable, put it into the material box. (Fig.1)

attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<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 Armani FA Dis-ASS’Y
Name : Loosen screw & take out WLAN Module
Ver. : 0.10  Date : 2009/10/20

Step:

1. Loosen screw of Hinge(6052A0034901)*1 (Fig.2)
   - Torsion: 2.0 ± 0.2 Kgf. cm
   - Screws can't be stripped.

2. Loosen screws of WLAN(6052A0034901)*2 (Fig.1)
   - Torsion: 2.0 ± 0.2 Kgf. cm
   - Screws can't be stripped.

3. Take out WLAN model, put it into the material box.

![Fig.1](image1)

![Fig.2](image2)

attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<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>
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<td></td>
<td></td>
</tr>
</tbody>
</table>
Working Instruction

Document No.  : SOP Armani FA Dis-ASS'Y  
Station : 9(1/1)  
Name : Loosen WWAN&ODD screws  
Ver. : 0.10  
Date : 2009/10/20

Step:
1. Loosen screw of ODD (6052A0034901)*1 (Fig.2)
2. Loosen screws of WWAN (6052A0034901)*2 (Fig.1)
   ❖ Torsion: 2.0 ± 0.2 Kgf. cm
   ❖ Screws can't be stripped.
3. Take out WLAN model, put it into the material box.

Attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<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 : Zhu, Hui-ping  
Issuing department: PE
## Working Instruction

**Document No.**: SOP Armani FA Dis-ASS'Y  
**Station**: 10(1/2)  
**Name**: Take down DDR  
**Ver.**: 0.10  
**Date**: 2009/10/20

### Fixture list (Fixture standard)

<table>
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<tr>
<th>Qty</th>
<th>Fixture list (Fixture standard)</th>
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<td>CHB1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CHA0</td>
<td></td>
</tr>
</tbody>
</table>

**Issuing department**: PE  
**Tabulator**: Zhu, Hui-ping  
**Issuing department**: PE

---

**Step:**

1. Take out RAM, put them into the material box

   - **Sequence**
   
   1(CHA0) → 2(CHB1)

---

**Attention points**: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.
Working Instruction

Document No. : SOP Armani FA Dis-ASS'Y
Name : DDR
Station : 10(2/2)
Ver. : 0.10
Date : 2009/10/20

Step:
1. Pick and place 1PCS Wireless Card every time, only hold the two sides of RAM with figures(Fig.1)
   • Wear the gloves, pay attention to ESD.
   • Forbid pressing one side of Wireless Card and picking it on the other side(Fig.2 and Fig.5)
   • Forbid holding the two surfaces of Wireless Card (Fig.4)
   • Forbid fetching more than two Wireless Card at the same time(Fig.3)
   • Several Wireless Card can't touch each other, especially the Golden figures(Fig.6)

attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

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

Tabulator : Zhu, Hui-ping
Issuing department: PE
Attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<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>

Step:

1. Erect the machine, take down the screws for Hinge(6052B0155201) *4 (Fig.1 & Fig.2)
   - Torsion : 3.3 ± 0.2 kgf. cm
   - Screws can't be stripped.
   - Direction →
     - Sequence 3→4→1→2
   - Direction ←
     - Sequence 1→2→3→4

Fig.1

Fig.2
Step:
1. Take down SW/C. (Fig.2)
2. Pull out SW/B FFC. (Fig.1)
3. Put it into the material box.

Attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<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>Chopsticks</td>
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<td></td>
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</tr>
</tbody>
</table>
Working Instruction

Document No. : SOP Armani FA Dis-ASS'Y
Name : Take out K/B

Step:
1. Take out KB from the top, as ② station (Fig.2)
   ❖ Notice the two hooks of top
2. Loosen K/B cable CNTR and stick point cable CNTR, take down K/B (Fig.2&Fig.3)
3. Put it into the material box.

Fig.1
Fig.2
Here are four small hooks

Fig.3

attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<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>Chopsticks</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator : Zhu, Hui-ping  Issuing department: PE
Working Instruction

Document No. : SOP Armani FA Dis-ASS'Y
Name : Take out MIC cable, LCM cable
Ver. : 0.10
Date : 2009/10/20

Step:
1. Pull out LCM Cable CNTR (Fig.1)
2. Pull out the CNTR of Mic cable and MIC extension cables.

Fig.1

Fig.2

Tabulator : Zhu, Hui-ping
Issuing department: PE
Working Instruction

Document No.: SOP Armani FA Dis-ASS'Y
Name: Take out Antenna

Step:
1. Through out the antenna cable above the top (Fig.1)
2. Pull out the antenna cable refer to the Fig.2

attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

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

Tabulator: Zhu, Hui-ping    Issuing department: PE
Step:
1. Pull out Camera Cable CNTR (Fig.1)
2. Pull out the antenna cable refer to the Fig.2

attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<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>Tabulator</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: __Zhu, Hui-ping__  Issuing department: __PE__
Working Instruction

Document No. : SOP Armani FA Dis-ASS'Y
Name : Dis-assembly LCM

Step:
1. Loosen screws of Hinge (6052B0155201)
   *2.(Fig.1)
   ❖ Torsion : 3.3 ± 0.2 kgf. cm
   ❖ Screws can't be stripped.
   ❖ Direction →
     Sequence 1→2
   ❖ Direction ←
     Sequence 2→1

2. Take down LCM, put it into the material box.

Attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<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 : Zhu, Hui-ping   Issuing department: PE
Working Instruction

Document No. : SOP Armani FA Dis-ASS'Y
Name : Loosen TPCB screws

Step:
1. Loosen screws (6052A0045701)*6.
   - Torsion : 2.5 ± 0.2 kgf. cm
   - Screws can't be stripped.
   - Direction →
     Sequence 1 → 2 → 3 → 4 → 5 → 6
   - Direction ←
     Sequence 6 → 5 → 4 → 3 → 2 → 1

attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<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 : Zhu, Hui-ping   Issuing department: PE
Working Instruction

Document No. : SOP Armani FA Dis-ASS'Y
Station : 19(1/1)
Name : Loosen CPU Thermal screw
Ver. : 0.10
Date : 2009/10/20

Step:
1. Loosen screws*4．
   - Torsion : 2.0 ± 0.2 kgf. cm
   - Screws can't be stripped.

2. Pull out FAN Cable CNTR

Attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<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 : Zhu, Hui-ping
Issuing department: PE
Attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

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

Step:

1. Loosen screws of MXM thermal*6
   - Torsion: 2.0 ± 0.2 kgf. cm
   - Screws can't be stripped.

Tabulator: Zhu, Hui-ping  Issuing department: PE
Working Instruction

Document No.: SOP Armani FA Dis-ASS'Y
Station: 21(1/1)
Name: Take down MXM Thermal
Ver.: 0.10
Date: 2009/10/20

Step:
1. Take down MXM Thermal, put it into the material box.

attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<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: Zhu, Hui-ping  Issuing department: PE
Working Instruction

Document No.: SOP Armani FA Dis-ASS’Y
Station: 22(1/1)
Name: Take down CPU Thermal
Ver.: 0.10
Date: 2009/10/20

Fixtures list (Fixture standard)

Step:
1. Take down CPU Thermal, put it into the material box.
2. Loosen hexagonal screws(6052B0002401)*2.
   - Torsion: 2.0± 0.2 kgf. cm
   - Screws can't be stripped.

Fig.1

Fig.2

Attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<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>Hexagonal screw driver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Locking screws</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Zhu Hui-ping
Issuing department: PE
**Working Instruction**

Document No. : SOP Armani FA Dis-ASS’Y  
Station : 23(1/1)  
Name : Take down CPU & RJ 11 cable  
Ver. : 0.10  
Date : 2009/10/20

---

**Step:**

1. Rotate the locking button to OPEN status in counter clockwise with a flat screw driver.
2. Disassemble CPU with a suck pen.

**Fixture list (Fixture standard)**

<table>
<thead>
<tr>
<th>Flat screw driver</th>
<th>Qty</th>
<th>Suck pan</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td></td>
<td>1</td>
</tr>
</tbody>
</table>

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Attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

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Tabulator: Zhu, Hui-ping  
Issuing department: PE
Step:

1. Separate the TPCB and BTCB according to the sequence as the picture showing.

Attention points: If finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.
Working Instruction

Document No. : SOP Armani FA Dis-ASS'Y
Name : Pull out Cable

Step:
1. Take down the Finger/B cable CNTR
2. Take down T/P cable CNTR
3. Put the TPCB into the material box.

attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
<th>Qty</th>
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<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>T/P CNTR</td>
<td></td>
<td>F/PCNTR</td>
<td></td>
</tr>
</tbody>
</table>

Tabulator : Zhu, Hui-ping
Issuing department: PE
Step:

1. Loosen screws (6052A0034901) * 3 
   - Torsion: 2.0 ± 0.2 kgf. cm
   - Screws can't be stripped.
   - Direction →
     - Sequence 1 → 2 → 3
   - Direction ←
     - Sequence 3 → 2 → 1

2. Pull out Speaker CNTR, take down speaker, put it into the material box.

Attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

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

Tabulator: Zhu, Hui-ping  Issuing department: PE
Working Instruction

Document No. : SOP Armani FA Dis-ASS'Y  Station : 27(1/2)
Name : Take out DDR  Ver. : 0.10  Date : 2009/10/20

Fig.1

Kensington lock Brkt

Step:
1. Take down Kensington lock BRKT (6053B0542501), put it into the material box (Fig.1)
2. Take down RAM, put it into the material box.
   ✤ (CHB0) → (CHA1)

Fig.2

CHA1

CHB0

attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

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

Tabulator : Zhu, Hui-ping  Issuing department: PE
Working Instruction

Document No. : SOP Armani FA Dis-ASS’Y
Name : DDR

Step:
1. Pick and place 1PCS Wireless Card every time, only hold the two sides of RAM with figures(Fig.1)
   - Wear the gloves, pay attention to ESD.
   - Forbid pressing one side of Wireless Card and picking it on the other side(Fig.2 and Fig.5)
   - Forbid holding the two surfaces of Wireless Card (Fig.4)
   - Forbid fetching more than two Wireless Card at the same time(Fig.3)
   - Several Wireless Card can’t touch each other, especially the Golden figures(Fig.6)

attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
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<tr>
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Tabulator : Zhu, Hui-ping
Issuing department: PE
Working Instruction

Document No. : SOP Armani FA Dis-ASS'Y
Station : 28(1/1)
Name : Take down 7in1 card
Ver. : 0.10
Date : 2009/10/20

Step:
1. Loosen screws (6052A0034901)*3 (USB/B*1 & 7in1*2). (Fig.1&Fig.2)
   - Torsion : 2.0 ± 0.2 kgf. cm
   - Screws can't be stripped.
   - Direction →
     Sequence 1 → 2 → 3
   - Direction ←
     Sequence 3 → 2 → 1

2. Pull out 7in1 card, put it into the material box. (Fig.3)

Attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

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

Tabulator : Zhu, Hui-ping   Issuing department: PE
**Working Instruction**

Document No. : SOP Armani FA Dis-ASS’Y  
Station : 29(1/1)  
Name : Take down USB/B  
Ver. : 0.10  
Date : 2009/10/20

---

**Fixture list (Fixture standard)**

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

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**Step:**

1. Loosen screws (6052A0034901)*2  
   (Modem*2) (Fig.1)  
   ❖ Torsion : 2.0 ± 0.2 kgf. cm  
   ❖ Screws can't be stripped.  
   ❖ Direction →  
      Sequence 1 → 2  
   ❖ Direction ←  
      Sequence 2 → 1

2. Pull out USB/B, put it into the material box.  
   ❖ Pull out USB/B CNTR firstly.

---

**attention points:** if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

---

Tabulator : Zhu, Hui-ping  
Issuing department: PE
Working Instruction

Document No. : SOP Armani FA Dis-ASS'Y
Station : 30(1/1)
Name : Loosen M/B & MXM/B screws
Ver. : 0.10
Date : 2009/10/20

Step:
1. Loosen screws (6052A0034901) * 4 (M/B*2,MXM/B*2),
   ◆ Torsion : 2.0 ± 0.2 kgf. cm
   ◆ Screws can't be stripped.
   ◆ Direction →
     Sequence 1→2→3→4
   ◆ Direction ←
     Sequence 4→3→2→1

attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

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<th>Fixture list (Fixture standard)</th>
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</table>

Tabulator : Zhu, Hui-ping  Issuing department: PE
Working Instruction

Document No. : SOP Armani FA Dis-ASS'Y  Station : 31(1/1)
Name : Take down MXM/B, RJ45  Ver. : 0.10  Date : 2009/10/20

Fig.1

Step:
1. Take down MXM/B
2. Take down RJ45 cable
   * pull out the CNTR firstly, remove gasket.
3. Put them into the material box

Fig.2

Rib  RJ45 Port

Attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<table>
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<th>Fixture list (Fixture standard)</th>
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</table>

Tabulator: Zhu, Hui-ping  Issuing department: PE
Working Instruction

Document No.: SOP Armani FA Dis-ASS'Y
Station: 32(1/1)
Ver.: 0.10
Date: 2009/10/20

Name: Zhu, Hui-ping
Issuing department: PE

Step:
1. Take out MIC cable, pull out the CNTR, put it into the material box (Fig.1).
2. Take out B/T cable, pull out CNTR, put it into the material box.

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

attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

Tabulator: Zhu, Hui-ping
Issuing department: PE
Working Instruction

Document No. : SOP Armani FA Dis-ASS’Y  Station : 33(1/1)
Name : Take down Modem & RJ11  Ver. : 0.10  Date : 2009/10/20

Step:
1. Pull out the Modem from M/B.(Fig.2)
2. Put the Modem into the material box.(Fig.2)
3. Put the RJ11 into the material box.(Fig.2)

Without Modem
1. Take down dummy RJ11(6054B0680301) put it into the material box.

attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<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 : Zhu, Hui-ping  Issuing department: PE
Working Instruction

Document No. : SOP Armani FA Dis-ASS'Y
Name : Take down M/B

Station : 34(1/1)
Ver. : 0.10
Date : 2009/10/20

Step:
1. Take down M/B
2. put it into the material box.

Fig.1

attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

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

Tabulator : Zhu, Hui-ping
Issuing department: PE
Working Instruction

Document No. : SOP Armani FA Dis-ASS'Y
Name : Get back BTCB

Step:
1. put the BTCB into the material box.

Fig.1

attention points: if finding any defect, press Warning light, and indicate it with a label, then double-check operator will take it to repair station.

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
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Tabulator : Zhu, Hui-ping   Issuing department: PE