# Product End-of-Life Disassembly Instructions

**Product Category:** Notebooks and Tablet PCs

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

- HP 420 Notebook PC
- 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>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: VV10**

### Sub-assembly name:
VV10 FA DIS-ASS’Y

### Document No.:
SOP VV10 FA ASSY DIS-ASS’Y

### Written by:
Cui, Junhua

### Date:
2010/3/8

### Revision:
0.10

### Page:
1 of 52

#### 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>
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#### B. Version Modify list:

<table>
<thead>
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<tr>
<td>2010/3/8</td>
<td>ALL</td>
<td>First SOP for mass production</td>
<td>0.1*</td>
<td>Cui, Junhua</td>
</tr>
</tbody>
</table>

Auditor: ___________  Tabulator:  Zhang, Ying
STEP:

1. Disassemble Battery (Fig.1).

**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>
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<tbody>
<tr>
<td>Notebook</td>
<td>1</td>
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<td></td>
</tr>
<tr>
<td>Scanner</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bar code printer</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Zhang Ying          Issuing department: IE
STEP:

1. Loosen SET screws.
   - Torsion: 1.0 ± 0.2 Kgf · cm
   - 13&14 Loosen screws*2: 15 Loosen screws*4

2. Disassemble Cover.

<table>
<thead>
<tr>
<th>13” &amp; 14”</th>
<th>6070B0431301</th>
</tr>
</thead>
<tbody>
<tr>
<td>15”</td>
<td>6070B0431201</td>
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</table>

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

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<tbody>
<tr>
<td>Automatic crossing screw driver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
STEP:

For All
1. Loosen screws (60520D046304) * 1, and
   Disassemble ODD.
   - Torsion: 2.0 ± 0.2 Kgf. cm
   - Screws can't be stripped.

For 13&14

For 15"

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

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

Tabulator: Zhang Ying
Issuing department: IE
STEP:

1. Loosen HDD screws(6052B0080701) * 2 and setscrews * 1
   - Torsion: 2.0 ± 0.2Kgf. cm
   - Screws can't be stripped.

2. Disassemble HDD and take it out.

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

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

Tabulator: Zhang Ying
Issuing department: IE
STEP:

1. Disassemble Antenna interface from WLAN.

2. Disassemble Antenna Cable.

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

**Document No.** : SOP VV10 FA  
**Station** : 6(1/1)  
**Name** : Loosen screws & Disassemble WLAN  
**Ver.** : 0.20  
**Date** : 2010/03/08

---

**STEP :**

1. Loosen WLAN Screws(6052B0156101) x 2.
   - Torsion: 1.5 ± 0.2Kgf. cm
   - Screws can't be stripped.

2. Take out WLAN.

---

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

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Automatic crossing screw driver</td>
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</tbody>
</table>

Tabulator : Zhang Ying  
Issuing department : IE
Working Instruction

Document No. : SOP VV10 FA
Station : 7(1/1)
Name : Loosen screws
Ver. : 0.20
Date : 2010/03/08

STEP :

1. Loosen screws (6052B0156101)  
   - Torsion : $1.5 \pm 0.2 \text{ Kgf } \cdot \text{ cm}$
   - 13” & 14” Loosen 2 screws, 15” Loosen 2 screws
   - 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
STEP:

1. Disassemble BATT Cable.
2. Disassemble FAN Cable.

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

Tabulator: Zhang Ying
Issuing department: IE
### Working Instruction

**Document No.**: SOP VV10 FA  
**Station**: 9(1/1)  
**Name**: Loosen screws  
**Ver.**: 0.20  
**Date**: 2010/03/08

---

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

---

**FOR 13” & 14”**

1. Loosen screws (6052B0096201) of SW cover *3.*  
   - Torsion: 2.0 ± 0.2 Kgf · cm  
   - 13”&14”Loosen 3 screws, 15” Loosen 4 screws  
   - Screws can't be stripped.

---

**FOR 15”**

1. Loosen screws (6052B0096201) of SW cover *3.*  
   - Torsion: 2.0 ± 0.2 Kgf · cm  
   - 13”&14”Loosen 3 screws, 15” Loosen 4 screws  
   - Screws can't be stripped.

---

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

---

Tabulator: Zhang Ying  
Issuing department: IE
STEP:

FOR 15” ONLY
1. Loosen screws (6052B0156101) * 1.
   - Torsion: 2.0 ± 0.2 Kgf · cm
   - Screws can't be stripped.

2. Take out HDD extension board (1310A2330401).

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(1#)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
STEP :

**For 13&14:**
1. Loosen FAN screws (6052B0156101) * 1.
   - Torsion: 2.0 ± 0.2 Kgf. cm
   - Screws can't be stripped.

2. Take out FAN (6033B0014602).

### Fixture list

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

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

Tabulator:  Zhang Ying  
Issuing department:  IE
Working Instruction

Document No. : SOP VV10 FA
Name : Loosen screws

STEP :

1. Loosen screws (6052B0097001)*2 of K/B .
   ❖ Torsion : 2.0 ± 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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</thead>
<tbody>
<tr>
<td>Automatic crossing screw driver</td>
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</tbody>
</table>

Tabulator : _Zhang Ying_    Issuing department :  IE
STEP:

FOR 15” ONLY
1. Loosen screws (60520D046304) * 4 -
   - Torsion : 2.0 ± 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>
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<tbody>
<tr>
<td>Automatic crossing screw driver(T8)</td>
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Tabulator : _Zhang Ying_  Issuing department : IE
Working Instruction

Document No. : SOP VV10 FA
Name : Loosen screws

Station : 14(1/1)
Ver. : 0.20
Date : 2010/03/08

STEP :

For 13&14:
1. Loosen screws (60520D046304) * 4  
   ▶️ Torsion : 2.0 ± 0.2 Kgf · cm  
   ▶️ Screws can't be stripped.

For 15:
1. Loosen screws (60520D046304) * 5  
   ▶️ Torsion : 2.0 ± 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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</thead>
<tbody>
<tr>
<td>Automatic crossing screw driver(T8)</td>
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</table>

Tabulator :  Zhang Ying          Issuing department :  IE
STEP:

For 13&14
1. Loosen screws (60520D046304) *4  
   ▶ Torsion : 2.0 ± 0.2 Kgf · cm  
   ▶ Screws can't be stripped.

For 15
1. Loosen screws (60520D046304) * 5  
   ▶ Torsion : 2.0 ± 0.2 Kgf · cm  
   ▶ Screws can't be stripped.

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

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Automatic crossing screw driver(T8)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
STEP :

1. Open LCM, turn the machine clock wisely

2. Disassemble K/B.
   - 13’14’ Disassemble from card ditch first (Fig.1)
   - 15’ Disassemble from upper left corner first (Fig.2)

3. Disassemble K/B FFC CNTR. (Fig.3)

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

1. Disassemble Palm rest from TPCB.
   - Push down the palm rest, and slip it to the right side.

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

1. Push T/P CNTR lock slice aside, pull out FFC from M/B CNTR

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>
</table>

Tabulator: Zhang Ying  
Issuing department: IE
STEP:
For 13&14
1. Loosen screws (60520D046304) ▲
   (13” Loosen 2 screws, 14” Loosen 3 screws) ▲
   ❖ Torsion: 2.0 ± 0.2 Kgf · cm
   ❖ Screws can't be stripped.

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

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<td>Automatic crossing screw driver(T8)</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Zhang Ying   Issuing department: IE
STEP:
1. 13’&14’ Loosen screws (60520D046304) * 3.
   - Torsion: 2.0 ± 0.2 Kgf · cm
   - Screws can't be stripped.
2. 15’Loosen screws (60520D046304) * 4.
   - Torsion: 2.0 ± 0.2 Kgf · cm
   - Screws can't be stripped.

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

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<td>Automatic crossing screw driver(T8)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
STEP:
For 13&14”
1. Loosen screws(6052B0080701) * 1 from TPCB and BTCB.
   - Torsion: 2.0± 0.2Kgf · cm
   - Screws can't be stripped.

2. Loosen screws (6052B0094301) * 1.
   - Torsion: 2.0 ± 0.2Kgf · cm
   - Screws can't be stripped.

FOR 13” & 14”

<table>
<thead>
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<tr>
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</table>

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

Tabulator:  Zhang Ying  Issuing department:  IE
STEP:

FOR ALL
1. Disassemble TPCB (Fig.1)
   - Disassemble the audio jack frist

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

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Tabulator:  Zhang Ying  Issuing department:  IE
STEP:

1. Disassemble antenna cable
   ❖ 13' Tear the tape of acetic acid
     2pcs(6054A0076201)

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>
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</thead>
</table>

Tabulator: Zhang Ying  
Issuing department: IE
**Working Instruction**

Document No. : SOP VV10 FA  
Name : Disassemble antenna cable  
Station : 24(1/1)  
Ver. : 0.20  
Date : 2010/03/08

---

**STEP :**

1. Disassemble antenna cable
   - Disassemble antenna cable (Fig.13” 14” 15”)

---

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

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

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Tabulator : Zhang Ying  
Issuing department : IE
**Working Instruction**

Document No. : SOP VV10 FA
Name : Disassemble MIC cable

**STEP**:
1. Tear the tape of acetic acid from MIC cable (Fig.1)
2. Disassemble MIC cable (Fig.2)
3. Take down MIC Cable(Fig.4)

**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>
</table>

Tabulator : Zhang Ying  
Issuing department : IE
Working Instruction

Document No. : SOP VV10 FA
Name : Disassemble LCM cable/MSI cable

STEP :

1. Disassemble MSI cable of M/B CNTR (Only for 15’ MSI Model )

2. Tear the tape of LCM cable. Disassemble LCM cable.

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

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

Tabulator : Zhang Ying
Issuing department : IE
Working Instruction

Document No. : SOP VV10 FA
Name :Loosen screws (For Only 15) and disassemble cable
Ver. : 0.20
Date : 2010/03/08
Station : 27(1/1)

STEP :

For all:
1. Disassemble cable.

15"
2. Loosen screws (60520D046304)* 3.
   • Torsion: 3.0 ± 0.2 Kgf. cm
   • Screws can't be stripped.

Fixtures:
- Tabulator: Zhang Ying
- Issuing department: IE

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

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
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<tbody>
<tr>
<td>Automatic crossing screw driver(T8)</td>
<td>1</td>
<td>Disassemble 线棒</td>
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</tr>
</tbody>
</table>
Working Instruction

Document No. : SOP VV10 FA  Station : 28(1/1)  Ver. : 0.20  Date : 2010/03/08
Name : Loosen screws

STEP :

13” & 14”
1. Loosen screws (60520D046304)* 2
   ▶ Torsion : 3.0 ± 0.2 Kgf · cm
   ▶ Screws can't be stripped.

15”
1. Loosen screws (60520D046304) * 3
   ▶ Torsion: 3.0 ± 0.2 Kgf. cm
   ▶ Screws can't be stripped.

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

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

Tabulator : Zhang Ying  Issuing department : IE
STEP :
1. Hands support one side of LCM, and loosen screws (60520D046304)* 2.
   - Torsion: 3.0 ± 0.2 Kgf. cm
   - Screws can't be stripped.
   - (Fig.13”/14” 15”)

2. Take down the LCM.

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

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
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<tbody>
<tr>
<td>Automatic crossing screw driver(T8)</td>
<td>1</td>
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</tr>
</tbody>
</table>
STEP:
1. Take down the speaker cable from M/B CNTR
2. Disassemble speaker cable
   - 13’14’: Tear the tape of acetic acid (6054A0076201) 2pcs
   - cable15’: Tear the tape of acetic acid (6054A0076201) 1pcs

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

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</tbody>
</table>

Tabulator:  Zhang Ying    Issuing department:  IE
STEP:

1. Loosen ODD extension board screw (6052B0156101)*1 (Only for 15") (Fig.1)
   - Torsion: 1.5 ± 0.2Kgf. cm
   - Screws can't be stripped.

2. Loosen screws(6052B0156101)*2 (Fig.2)
   And take down the Speaker(6039B0039401)
   - Torsion: 1.5 ± 0.2Kgf. cm
   - Screws can't be stripped.

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

<table>
<thead>
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<tbody>
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</table>
### Working Instruction

Document No. : SOP VV10 FA  
Station :  
Name : Disassemble Blue tooth Cable  
Ver. : 0.20  
Date : 2010/03/08

| STEP |  
| --- | --- |

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

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
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</table>
| Tabulator : Zhang Ying  
Issuing department : |
Working Instruction

Document No. : SOP VV10 FA
Name : Disassemble B/T cable (for B/T model)  Ver. : 0.20  Date : 2010/03/08

STEP :

For 13&14:
1. Disassemble cable from M/B CNTR

For 15:
1. Disassemble cable from M/B CNTR
2. Take down B/T
3. Disassemble B/T cable(6017B0260601).

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

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

Tabulator : Zhang Ying  Issuing department : IE
STEP:

1. Disassemble FFC of M/B CNTR.
2. Tear all the tape.
3. Disassemble the USB/B.
   - 13’ 14’ Disassemble the USB directly
   - 15’ Loosen the screws of USB/B (6052B0080701)*1 (Fig.3)
   - Torsion: 2.0± 0.2Kgf·cm
   - Screws can’t be stripped.

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

<table>
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Tabulator: _Zhang Ying_    Issuing department: IE
Working Instruction

Document No. : SOP VV10 FA
Name : Disassemble RJ11 / Loosen screws
Ver. : 0.20  Date : 2010/03/08

STEP :

1. Disassemble RJ11 cable (Fig. 2)

2. Loosen M/B screws
   - 13’14’ Loosen M/B screws (60520D046304)*1
   - 15’ Loosen M/B screws (60520D046304)*2 (Fig. 1)
   - Torsion: 2.0 ± 0.2Kgf. cm
   - Screws can't be stripped.

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

<table>
<thead>
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<tbody>
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</table>

Tabulator : Zhang Ying  Issuing department : IE
Working Instruction

Document No.: SOP VV10 FA
Station: 36(1/1)
Name: Disassemble M/B
Version: 0.20
Date: 2010/03/08

STEP:

For 13 & 14
1. Take down the FFC from M/B

For 15
1. Disassemble the FFC from Audio/B

For All
2. Take down the Audio/B FFC

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

<table>
<thead>
<tr>
<th>Fixture list (Fixture standard)</th>
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Tabulator: Zhang Ying
Issuing department: IE
STEP:

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

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</table>

Tabulator :  Zhang Ying  
Issuing department :  IE
STEP:

For All

1. Disassemble the ODD extension board from M/B
   - 15”ODD extension board (1310A2330601)
   - 14”ODD extension board (1310A2342701)

2. Disassemble MB
   - Tilt M/B right side first.
   - 14” Need to pull down the card through ODD/B

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

<table>
<thead>
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</table>

Tabulator: Zhang Ying
Issuing department: IE
STEP:

1. The left hand holds up BTCB gently, and the right hand disassemble Audio/B,(Fig.1)

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

<table>
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Tabulator: Zhang Ying  Issuing department: IE
Working Instruction

Document No. : SOP VV10 FA
Station : 39(1/1)
Name : Disassemble BATT Cable
Ver. : 0.20
Date : 2010/03/08

STEP :

For All:
1. Loosen screws (6052B0094301) * 2
   - Torsion: 1.5 ± 0.2Kgf·cm
   - Screws can't be stripped.

2. Take down the BATT Cable (6017B0261201)

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

<table>
<thead>
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</thead>
<tbody>
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<td>Automatic crossing screw driver</td>
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</tbody>
</table>

Tabulator : Zhang Ying
Issuing department : IE
STEP:

For AMD DIS:
1. Loosen Thermal screws(6052B0156101) * 2.
   - Torsion: 1.5 ± 0.2Kgf · cm
   - Screws can't be stripped.
   - Don't hold the Copper Pipe of Thermal.

2. Disassemble THERMAL MODULE (6043B0081501).

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

<table>
<thead>
<tr>
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<tbody>
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</tbody>
</table>

Tabulator:  Zhang Ying  
Issuing department: IE
STEP:

1. Loosen the screws of thermal.
   - Torsion: $1.5 \pm 0.2$ Kgf. Cm
   - Screws can't be stripped.
   - Don't hold the Copper Pipe of Thermal.

2. Disassemble the Thermal Module from M/B.

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

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

Tabulator: Zhang Ying  Issuing department: IE
Working Instruction

STEP:

1. Disassemble DDR * 2 from M/B CNTR
   (If there is only one DDR, only need to insert one DDR)

2. Loosen CPU SOCKET, and take it down.
   (Loosen anticlockwise)

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

<table>
<thead>
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<tbody>
<tr>
<td>Flat screw driver</td>
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<td>suck pen</td>
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<td>VV10 M/B B side supporting fixture</td>
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</table>

Tabulator: Zhang Ying  
Issuing department: IE
Working Instruction

Document No.: SOP VV10 FA
Name: Disassemble RJ11 cable (For AMD DIS)
Version: 0.20
Date: 2010/03/08
Station: 43(1/4)

STEP:

For AMD UMA:
1. Tear the tape of acetic acid (6054A0076201)

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

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

Tabulator: Zhang Ying
Issuing department: IE
STEP:

For AMD DIS:
1. Tear the tape of acetic acid (6054A0076201)
   *1, Disassemble RJ11 Cable (Fig.1)

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

<table>
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<tbody>
<tr>
<td>B side supporting fixture</td>
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</table>

Tabulator: Zhang Ying
Issuing department: IE
### WORKING INSTRUCTION

**Document No.**: SOP VV10 FA  
**Station**: 43(3/4)  
**Name**: Disassemble RJ11 cable (For INTEL UMA)  
**Ver.**: 0.20  
**Date**: 2010/03/08

**STEP:**

**For INTEL UMA**
1. Tear the tape of acetic acid (6054A0076201)  
   *1, Disassemble RJ11 Cable (Fig.1)

---

### Fixture List

<table>
<thead>
<tr>
<th>Fixture (Fixture Standard)</th>
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<tbody>
<tr>
<td>B side supporting fixture</td>
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<td></td>
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</table>

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

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**Tabulator**: Zhang Ying  
**Issuing department**: IE
STEP:

For INTEL DIS
1. Tear the tape of acetic acid (6054A0076201)
   *1, Disassemble RJ11 Cable (Fig.1)

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

1. Loosen crews (6052B0156101) *2 of boss.
   - Torsion: $1.5 \pm 0.2$ Kgf cm
   - Screws can't be stripped.

2. Disassemble the RJ11 Cable (6017B0199901) from Modem (Fig.2, Fig.3)

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

<table>
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<tbody>
<tr>
<td>Automatic crossing screw driver</td>
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<td>B side supporting fixture</td>
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</table>

Tabulator: Zhang Ying  Issuing department: IE
Working Instruction

Document No. : SOP VV10 FA
Name : Disassemble Touchpad/B
Station : 45(1/1)
Ver. : 0.20
Date : 2010/03/08

STEP :
1. Tear the tape(6054B0141101)*1, (Fig.2)

2. Disassemble Touchpad/B FFC .

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

<table>
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</table>

Tabulator : Zhang Ying
Issuing department : IE
STEP:

1. Loosen screws (6052B0156101) * 1
   - Torsion: 1.5 ± 0.2 Kgf. cm
   - Screws can't be stripped.

2. Disassemble Touchpad/B(1310A2342901)

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

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</tbody>
</table>
Working Instruction

Document No. : SOP VV10 FA
Name : Loosen screws & Disassemble power/B
Ver. : 0.20
Date : 2010/03/08

STEP :

For 15’
1. Tear tape of acetic acid of FFC(6054A0076201)*1
(Fig.3)

2. Loosen screws (6052B0096201) *1
   ❖ Torsion: $1.5 \pm 0.2$ Kgf. cm
   ❖ Screws can't be stripped.
   ❖ While loosening the screws, hands need to pin the power/B

3. Disassemble power/B(1310A2343201),
   (Fig.2,Fig.3)

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

<table>
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Tabulator : Zhang Ying
Issuing department : IE