Product End-of-Life Disassembly Instructions

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

- HP ProBook 4730s 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>2</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></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></td>
</tr>
<tr>
<td>Capacitors / condensers (Containing PCB/PCT)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height</td>
<td></td>
<td></td>
</tr>
<tr>
<td>External electrical cables and cords</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gas Discharge Lamps</td>
<td></td>
<td></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></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></td>
</tr>
<tr>
<td>Components and waste containing asbestos</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PSG instructions for this template are available at [EL-MF877-01](#).
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></td>
</tr>
<tr>
<td>Description #2 Motor-screw-driver “=”</td>
<td></td>
</tr>
<tr>
<td>Description #3 Motor-screw-driver “-”</td>
<td></td>
</tr>
<tr>
<td>Description #4</td>
<td></td>
</tr>
<tr>
<td>Description #5</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).
Step:

1. Take out Battery. (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></td>
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</tr>
</tbody>
</table>

Tabulator: Alicia Chien  Issue department: NPI-SE
Step:

1. Push the latch, loosen the bottom cover. (Fig.1)

2. Take out the bottom cover from BTCB. (Fig.2)

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

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

Tabulator: Alicia Chien  Issue department: NPI-SE
Step:

1. Rip the master label from BTCh. (Fig.1)

Fig.1

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

Document No.: SS11 Ramones-17” FA DIS-ASS’Y SOP
Station: 4(1/1)

Name: Loosen screw
Ver.: 1.00
Date: 2011/04/07

Step:

1. Loosen ODD screw *1, and loosen K/B screw *2. (Fig.1)

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>Electric cross screw driver #1</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien  Issue department: NPI-SE
Step:

1. Take out ODD. (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>
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</tr>
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<tbody>
<tr>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien

Issue department: NPI-SE
Standard Operation Procedure

Document No. : SS11 Ramones-17” FA DIS-ASS’Y SOP
Station : 6(1/1)

Name : Disassemble DDR
Ver. : 1.00
Date : 2011/04/07

Step :

1. Take out the DDR from BTCB. (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
Issue department : NPI-SE
Standard Operation Procedure

Document No.: SS11 Ramones-17” FA DIS-ASS’Y SOP
Station: 7(1/1)

Name: Loosen HDD screw
Ver.: 1.00
Date: 2011/04/07

Step:
1. Loosen screw *4. (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>Electric cross screw driver #1</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien
Issue department: NPI-SE
Step:

1. Take out the HDD from BTCB.

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

Tabulator: Alicia Chien  Issue department: NPI-SE
1. Take out the WLAN cable from routing through. (Fig.1)
Step:

1. Disassemble WLAN antenna cable from WLAN card.

Fig.1

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

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

Tabulator: Alicia Chien  Issue department: NPI-SE
Standard Operation Procedure

Document No. : SS11 Ramones-17” FA DIS-ASS’Y SOP
Name : Disassemble WLAN card & loosen screw

Station : 11(1/1)
Ver. : 1.00
Date : 2011/04/07

Step :

1. Loosen screw *2. (Fig.1)
2. Take out the WLAN from 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>Electric cross screw driver #1</td>
<td>1</td>
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</tbody>
</table>

Tabulator : Alicia Chien Issue department : NPI-SE
Notes: If finding anything uncommon, notice foreman or assistant at once.

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<tbody>
<tr>
<td>Electric cross screw driver #1</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Step:

1. Loosen BTCB screw *4.
Step:

1. Loosen BTCB screw *4.

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

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

Tabulator: Alicia Chien  Issue department: NPI-SE
Step:

1. Loosen BTCB screw *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>Electric plum blossom screw driver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Standard Operation Procedure

Document No.: SS11 Ramones-17” FA DIS-ASS’Y SOP

Ramones-17” FA DIS-ASS’Y SOP

Standard Operation Procedure

Station: 15(1/1)

Name: Loosen BTCB screw

Ver.: 1.00

Date: 2011/04/07

Step:

1. Loosen BTCB screw *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>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric plum blossom screw driver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien

Issue department: NPI-SE
Step:

1. Loosen BTCB screw *4.

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

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<tr>
<th>Holding fixture list (holding fixture standard)</th>
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<tr>
<td>Electric plum blossom screw driver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien    Issue department: NPI-SE
Step:

1. Loosen BTCB screw *4.

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
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<tbody>
<tr>
<td>Electric plum blossom screw driver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Step:

1. Disassemble K/B from TPCB.

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

Tabulator: Alicia Chien Issue department: NPI-SE
Step:

1. Pull out K/B FFC from M/B (through the broken hole of TPCB).

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

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

Tabulator: Alicia Chien  Issue department: NPI-SE
Step:

1. Pull out Power button/B FFC from M/B CNTR. (Fig.1)

2. Pull out Finger/B FFC from M/B CNTR. (Fig.2)

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

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

Tabulator: Alicia Chien  Issue department: NPI-SE
Step:

1. Pull out Speaker cable from M/B CNTR. (Fig.1)
2. Pull out Launch/B FFC from M/B CNTR. (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  Issue department: NPI-SE
Step:

1. Loosen screw *3. (Fig.1/Fig.2)

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric plum blossom screw driver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien  Issue department: NPI-SE
Standard Operation Procedure

Document No. : SS11 Ramones-17” FA DIS-ASS’Y SOP
Name : Disassemble TPCB
Station : 22(1/1)
Ver. : 1.00
Date : 2011/04/07

Fig. 1

Step:

1. Disassemble TPCB from the base.

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
Issue department: NPI-SE
Step:

1. Take out the TPCB, and then put it in the kitting box. (Fig.1)
2. Pull out Card reader FFC from 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></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien Issue department: NPI-SE
Step:

1. Take out the WLAN cable from routing through. (Fig.1/2/3)
2. Disassemble WLAN cable. (Fig.1/2/3)

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

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

Tabulator: Alicia Chien  Issue department: NPI-SE
Step:

1. Disassemble LCM cable. (Fig.1/2)

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>Routing stick</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien Issue department: NPI-SE
Step:

1. Disassemble Camera cable.

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

Tabulator: Alicia Chien  Issue department: NPI-SE
Step:

1. Loosen screw *2. (Fig.1/Fig.2)

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
<th>Holding fixture list (holding fixture standard)</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric plum blossom screw driver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien
Issue department: NPI-SE
Standard Operation Procedure

Document No. : SS11 Ramones-17” FA DIS-ASS’Y SOP
Name : Disassemble LCM

Step :

1. Loosen screw *2. (Fig.2)
2. Take out the LCM. (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>
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<tbody>
<tr>
<td>Electric plum blossom screw driver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator : Alicia Chien  Issue department : NPI-SE
**Step:**

1. Pull out ODD/B FFC from M/B CNTR. (Fig.1)
2. Take out the ODD/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>
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<tbody>
<tr>
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</tr>
</tbody>
</table>

Tabulator: Alicia Chien  
Issue department: NPI-SE
Standard Operation Procedure

Document No. : SS11 Ramones-17” FA DIS-ASS’Y SOP
Name : Pull out USB/B FFC

Step :

1. Open USB/B FFC CNTR cover.
2. Pull out USB/B FFC from M/B CNTR. (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  Issue department : NPI-SE
Standard Operation Procedure

Document No.: SS11 Ramones-17” FA DIS-ASS’Y SOP
Name: Disassemble USB/B
Station: 31(1/1)
Ver.: 1.00
Date: 2011/04/07

Step:

1. Loosen screw *2 (Fig.1), and then take out the USB/B.

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 screw driver #1</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien
Issue department: NPI-SE
Standard Operation Procedure

Document No.: SS11 Ramones-17” FA DIS-ASS’Y SOP
Name: Disassemble RJ11 cable
Ver.: 1.00
Date: 2011/04/07

Station: 32(1/1)

Step:

**[With Modem]:**
1. Remove tape *1, and disassemble RJ11 cable. (Fig.1)

**[W/O Modem]:**
No this operation.

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>

Fig.1

Tabulator: Alicia Chien  Issue department: NPI-SE
Standard Operation Procedure

Document No. : SS11 Ramones-17” FA DIS-ASS’Y SOP

Ramones-17” FA DIS-ASS’Y SOP

Station : 33(1/1)

Name : Disassemble RJ11 cable

Ver. : 1.00

Date : 2011/04/07

Step :

[With Modem]:
  1. Pull out the RJ11 from HDD Ext. board.
     (Fig.2)

[W/O Modem]:
  1. Disassemble RJ11 dummy cover. (Fig.1)

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

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

Tabulator : Alicia Chien

Issue department : NPI-SE
Standard Operation Procedure

Document No.: SS11 Ramones-17” FA DIS-ASS’Y SOP
Station: 34(1/1)
Name: Disassemble Modem module
Ver.: 1.00
Date: 2011/04/07

Step:

With Modem:

1. Loosen screw *2. (Fig.1)
2. Take out the Modem from M/B CNTR.

Fig.1

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

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

Tabulator: Alicia Chien
Issue department: NPI-SE
Step:

1. Remove the Mylar from the fan. (Fig.1)
2. Take out the Lid switch/B FFC from M/B CNTR. (Fig.2)
3. Take out the Lid Switch/B.

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  Issue department: NPI-SE
Step:

1. Loosen screw *1. (Fig.1)
2. Loosen the DC-IN Jack from BTCB. (Fig.1)

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

<table>
<thead>
<tr>
<th>Holding fixture list (holding fixture standard)</th>
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Tabulator: Alicia Chien   Issue department: NPI-SE
Notes : If finding anything uncommon, notice foreman or assistant at once.

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<tbody>
<tr>
<td>Electric plum blossom screw driver</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Step :

1. Loosen M/B screw *3. (Fig.1)
2. Loosen HDD Ext. board screw *2. (Fig.2)
### Standard Operation Procedure

**Document No.** SS11 Ramones-17” FA DIS-ASS’Y SOP  
**Station:** 38(1/1)  
**Name:** Disassemble M/B  
**Ver.:** 1.00  
**Date:** 2011/04/07

#### Step:

1. Pull out DC-In cable from BTCB. (Fig.1)  
2. Take out the M/B from BTCB. (Fig.2)

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

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</thead>
</table>

**Tabulator:** Alicia Chien  
**Issue department:** NPI-SE
Standard Operation Procedure

Document No.: SS11 Ramones-17” FA DIS-ASS’Y SOP
Station: 39(1/1)
Name: Loose BATT cable screw
Ver.: 1.00
Date: 2011/04/07

Step:

1. Loosen BATT cable screw * 2. (Fig.1)

Fig.1

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

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

Tabulator: Alicia Chien  Issue department: NPI-SE
Step:

[W/O SIM card]:
1. Take out SIM card Rubber. (Fig.2)
* No iron bracket is no SIM card. (Fig.1)

[With SIM card]:
No this operation.

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

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Tabulator: Alicia Chien  Issue department: NPI-SE
Standard Operation Procedure

Document No. : SS11 Ramones-17” FA DIS-ASS’Y SOP
Name : Disassemble Battery cable & HDD Ext./B
Station : 41(1/1)
Ver. : 1.00
Date : 2011/04/07

Step :

1. Put the M/B on the Support fixture. (B side upward)
2. Pull out Battery cable from M/B. (Fig.1)
3. Take out the HDD Ext. board from M/B (Fig.2)
4. Put the M/B on production line.

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

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<th>Holding fixture list (holding fixture standard)</th>
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<tbody>
<tr>
<td>Support fixture (M/B B side)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tabulator : Alicia Chien
Issue department : NPI-SE
Step:

1. Put the M/B on the Support fixture. (B side upward) (Fig.1)
2. Take out the FAN from M/B. (Fig.2)
3. Loosen screw *1, pull out FAN cable from CNTR. (Fig.3)
4. Put the M/B on production line.

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

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<tr>
<td>Support fixture (M/B B side)</td>
<td>1</td>
<td>Electric cross screw driver #1</td>
<td>1</td>
</tr>
</tbody>
</table>

Tabulator: Alicia Chien  Issue department: NPI-SE
**Step:**

1. Put the M/B on the Support fixture. (B side upward) (Fig.1)
2. Loosen thermal screw.
   * Discrete model screw *2. (Fig.1)
   * UMA model doesn’t have this operation.
3. Put the M/B on production line.

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

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<td>Electric cross screw driver #1</td>
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</table>

**Tabulator:** Alicia Chien  
**Issue department:** NPI-SE
Standard Operation Procedure

Step:

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

2. Loosen thermal screw.
   * Discrete model screw *4. (Fig.1)
   * UMA model doesn't have this operation.

3. Take out the Thermal module from M/B.

4. Put the M/B on production line.

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

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<td>1</td>
<td>Electric cross screw driver #1</td>
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</table>

Tabulator: Alicia Chien

Issue department: NPI-SE
Step:

1. Put M/B on the Support fixture. (B side upward)
2. Pull out DC-IN cable from M/B. (Fig.1)
3. Put the M/B on production line.

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

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</table>

Tabulator: Alicia Chien Issue department: NPI-SE
Standard Operation Procedure

Document No. : SS11 Ramones-17” FA DIS-ASS’Y SOP  Station : 46(1/1)
Name : Disassemble CPU  Ver. : 1.00  Date : 2011/04/07

Step :

1. Put the M/B on the Support fixture. (B side upward)
2. Loosen CPU socket screw by using one-line screw driver (counterclockwise), and then take out the CPU from socket by using suction pen, and put it in the kitting box.
3. For 45w CPU: Remove Mylar*1. (Fig.2)
4. Put the M/B on production line.

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

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<th>Holding fixture list (holding fixture standard)</th>
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<tbody>
<tr>
<td>Support fixture (M/B B side)</td>
<td>1</td>
</tr>
<tr>
<td>One-line screw driver</td>
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</tr>
<tr>
<td>Suction pen</td>
<td>1</td>
</tr>
</tbody>
</table>

Tabulator : Alicia Chien  Issue department : NPI-SE
Step:

1. Pull out Modem module & cable from Module CNTR. (Fig.1)

Fig.1

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

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Tabulator: Alicia Chien  Issue department: NPI-SE