# Product End-of-Life Disassembly Instructions

**Product Category:** Notebooks and Tablet PCs

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

| HP ProBook x360 11 G5 Education Edition |  
| HP ProBook x360 11 G5 EE |  

**Purpose:** The document is intended for use by end-of-life recyclers or treatment facilities. It provides the basic instructions for the disassembly of HPI products to remove components and materials requiring selective treatment, as defined by EU directive 2012/19/EC, Waste Electrical and Electronic Equipment (WEEE).

**NOTE:** Recyclers should sort plastic materials into resin streams for recycling based on the ISO 11469 plastic marking code on the plastic part. For any questions on plastic marking, please contact HP’s Sustainability Contact.

## 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 (MB, RAM, WLAN, Volume button BD, TP BD, )</td>
<td>4</td>
</tr>
<tr>
<td>Batteries, excluding Li-Ion batteries.</td>
<td>All types including standard alkaline, coin or button style batteries</td>
<td>1</td>
</tr>
</tbody>
</table>
| Li-Ion batteries. Include all Li-Ion batteries if more than one is provided with the product (such as a detachable notebook keyboard battery, RTC coin cell, etc.) | Battery(ies) are attached to the product by (check all that apply with an “x” inside the “[ ]”): [ ] screws [ ] snaps [X] adhesive [ ] other. Explain _____  
**NOTE:** Add detailed removal procedures including required tools in the sections 3.1 and 3.2. | 1 |
<p>| Mercury-containing components | For example, mercury in lamps, display backlights, scanner lamps, switches, batteries | 0 |
| Liquid Crystal Displays (LCD) with a surface greater than 100 sq cm | Includes background illuminated displays with gas discharge lamps (11.6”) | 1 |
| Cathode Ray Tubes (CRT) | 0 |
| Capacitors / condensers (Containing PCB/PCT) | 0 |
| Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height | 0 |
| External electrical cables and cords | DC Cable for External Power Supply | 1 |
| Gas Discharge Lamps | 0 |
| Plastics containing Brominated Flame Retardants | 0 |</p>
<table>
<thead>
<tr>
<th>Item Description</th>
<th>Notes</th>
<th>Quantity of items included in product</th>
</tr>
</thead>
<tbody>
<tr>
<td>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>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>Electric screwdriver (Cross)</td>
<td>#1,#0</td>
</tr>
<tr>
<td>Ionic Fan</td>
<td></td>
</tr>
<tr>
<td>Thermal module support fixture</td>
<td></td>
</tr>
<tr>
<td>Electric screwdriver</td>
<td>T8</td>
</tr>
<tr>
<td>Antipyretic fused iron 1</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 including the required steps to remove the external enclosure:

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.

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 : Aloe**

<table>
<thead>
<tr>
<th>Sub-assembly name:</th>
<th>Aloe 1.0 拆机SOP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Document No.:</td>
<td>Aloe 1.0 拆机SOP</td>
</tr>
<tr>
<td>Written by:</td>
<td>朱亚</td>
</tr>
<tr>
<td>Revision:</td>
<td>0.10</td>
</tr>
<tr>
<td>Date:</td>
<td>2019/9/5</td>
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#### A.Current station version list:

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#### B.Version Modify list:

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<th>Design</th>
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<td>首份SOP制作</td>
<td>0.1*</td>
<td>龙建军</td>
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</table>

审核：胡凤坤    制表：朱亚
Standard operation process

Document No. : Aloe 1.0-2.0 disassemble SOP
SOP Name : disassemble screw
station : 1(1/1)
Ver. : 1.0
date edit : 2019/9/5

steps:

1. disassemble the bottom cover screw*5
   (6052B0466801)*5(图一) picture 1 shown
   ✷ twisting force : 2.0 ± 0.2 Kgf · cm

press the bottom cover with one hand and lock screw as the sequence

notes: Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
</tr>
</thead>
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<tr>
<td>Electric screw driver(T8)</td>
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制表：朱亚  发行部门：工业工程课
Standard operation process

Document No. : Aloe 1.0-2.0 disassemble SOP  
SOP Name : disassemble screw  
station : 2(1/1)  
Ver. : 1.0  
edit date : 2019/9/5

steps :

1. disassemble the bottom cover screw  
   M2.5x3.5 (6052B0387001)*2 (图一)  
   ✤ twisting force : 2.0 ± 0.2 Kgf · cm

notes : Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman.

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
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<tbody>
<tr>
<td>Cross electric screw driver(#1)</td>
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制表：朱亚  
发行部门：工业工程课
Standard operation process

Document No. : Aloe 1.0-2.0 disassemble SOP

SOP Name : disassemble C top

Ver. : 1.0

edit date : 2019/9/5

station : 3(1/1)

steps:

1. following the arrows and number sequence, disassemble the top as picture 1 show

   ✵ please do not pull open the FFC from the MB when take the C top

notes : Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman


<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
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制表：朱亚 发行部门：工业工程课
**Standard operation process**

Document No.: Aloe 1.0-2.0 disassemble SOP

Station: 4(1/1)

SOP Name: 拆FFC disassemble FFC

Ver.: 1.0

Edit date: 2019/9/5

---

### steps:

1. open the top to 30~40 degree as picture 1 show
2. disassemble CCD/TP/KB FFC from the MB as the picture 2 show
3. take the top

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### notes:

Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman.

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<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
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制表：朱亚  发行部门：工业工程课
Standard operation process

Document No. : Aloe 1.0-2.0 disassemble SOP
SOP Name : disassemble battery

steps :

1. disassemble the screws from the battery
   M2.5*4(6052A0034501)*4pcs (picture 1)
   ❖ twisting force : 2.0 ± 0.2 Kgf · cm
2. take the battery and put in the material box

notes : Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
<th>Fixture list(fixture spec)</th>
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</thead>
<tbody>
<tr>
<td>Cross electric screw driver(#1)</td>
<td>1</td>
<td></td>
<td></td>
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</tbody>
</table>
steps:

1. disassemble the audio FFC & FPC from the M/B connector (picture 1)

2. Disassemble shading rubber from the Audio/B (picture 2)

notes: Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman.

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<th>Fixture list(fixture spec)</th>
<th>QTY</th>
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</tbody>
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制表：朱亚   发行部门：工业工程课
Standard operation process

Document No. : Aloe 1.0-2.0 disassemble SOP
SOP Name : disassemble EDP-Cable/Antenna
Ver. : 1.0
edit date : 2019/9/5
station : 7(1/1)

steps:
1. disassemble EDP cable from the M/B(picture 1)
2. 拆Antenna于WLAN card 端 disassemble antenna from the WLAN card(picture2)

notes : Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman.

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

制表：朱亚 发行部门：工业工程课
Standard operation process

Document No. : Aloe 1.0-2.0 disassemble SOP
SOP Name : disassemble Speaker cable/aluminum foil
Ver. : 1.0
edit date : 2019/9/5

station : 8(1/1)

steps :
1. Disassemble Speaker cable from MB CONN (picture 1)
2. pull up the small battery stick to the Base (picture 1)
3. tear down the aluminum foil on the MB (picture 2)

notes : Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
</tr>
</thead>
</table>

制表：朱亚 发行部门：工业工程课
**steps:**

1. disassemble screws
   M2*1.8(6052B0386901)*4(picture 1).
   ❖ Twist force: $1.5 \pm 0.2 \text{Kgf} \cdot \text{cm}$

2. take the speaker from the base and put in the material box

---

**notes:** Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman.

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross electric screw driver(#1)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

制表：朱亚    发行部门：工业工程课
steps:

1. Disassemble DC in Cable from M/B CNTR (picture1)
2. Disassemble Touch Cable from M/B CNTR (picture1)

notes: Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman.
steps:
1. Disassemble screws
   M2.5*4(6052A0034501))*2 WLAN card & SSD(picture1/2)
   - twisting force: 2.0 ± 0.2 Kgf · cm
1. take the WLAN/SSD from the base and put in the material box

notes: Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman.

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross electric screw driver(#1)</td>
<td>1</td>
<td>Ionic Fan</td>
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</tr>
</tbody>
</table>
Standard operation process

Document No. : Aloe 1.0-2.0 disassemble SOP
SOP Name : disassemble Audio/B
Ver. : 1.0
edit date : 2019/9/5

station : 12(1/1)

steps :
1. Disassemble screw on the Audio/B M2.5*4(6052A0034501)*2 (picture 1).
   ❖ Twisting force : 2.0 ± 0.2 Kgf · cm
2. take the Audio/B from the base and put in the material box

<table>
<thead>
<tr>
<th>Audio/B</th>
<th>P/N</th>
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</thead>
<tbody>
<tr>
<td>1.0</td>
<td>1397B0290201</td>
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<td>2.0</td>
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notes : Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman.

<table>
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<th>Fixture list(fixture spec)</th>
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制表：朱亚       发行部门：工业工程课
Standard operation process

Document No. : Aloe 1.0-2.0 disassemble SOP
SOP Name : disassemble Type-C BRKT
Ver. : 1.0   edit date : 2019/9/5
station : 13(1/1)

steps :

1. Disassemble the screws of Type-C BRKT M2.5*4(6052A0034501)*2(picture1)
   ✴  Twisting force : 2.0 ± 0.2 Kgf · cm
2. take the bracket from the base and put in the material box

notes : Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
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制表：朱亚   发行部门：工业工程课
Standard operation process

Document No. : Aloe 1.0-2.0 disassemble SOP
SOP Name : disassemble screws

station : 14(1/1) Ver. : 1.0 edit date : 2019/9/5

steps : For 1.0

1. Disassemble M2.5*4(6052A0034501)*4 on the M/B(picture1)・
   - Twisting fore : 2.0 ± 0.2 Kgf · cm
   - screw loose is not allowed and can’t be dropped in the unit ・
   - make sure there triangle sign on the MB screw position

<table>
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<tr>
<th>Fixture list(fixture spec)</th>
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</tbody>
</table>

notes : Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman.

图一
1. Remove the screw M2.5*4 (6052A0034501)*4 and fix the M/B (Fig. 1). --Torque: 2.0 ± 0.2 Kgf. Cm --The screws should not slip, and should not fall into the machine. -- The position of the lock screw on the main board has the Δ symbol

**notes** : Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman

<table>
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<tr>
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</table>

**Figure 1**
Standard operation process

Document No. : Aloe 1.0-2.0 disassemble SOP
SOP No. Name : Disassemble M/B
station : 16(1/1)
Ver. : 1.0 edit date : 2019/9/5

steps:

1. Open the fixed hook of the Thermal, tilt the MB from left to right, and remove the MB (Figure 1)

Figure 1

notes: Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman.

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
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<tbody>
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</tr>
</tbody>
</table>

制表：朱亚  发行部门：工业工程课
### Standard operation process

**Document No.**: Aloe 1.0-2.0 disassemble SOP  
**SOP Name**: Assemble the thermal module & lock screw  
**Ver.**: 1.0  
**edit date**: 2019/9/5

#### steps:

1. Place the M/B module in the support branch lock fixture  
   --Be careful not to collide with the parts at the positioning plate.  
   --Note that it needs to be placed flat.
2. Remove and fix the Thermal screw M2*3 (6052B0156101) *4 (Figure 2)  
   --Torque value: 1.5 ± 0.2Kgf. Cm  
   --Note that the screws are not slippery.  
   --Locking order: 1 2 3 4  
   Do not touch the solder paste during work.
3. Place the MB/Thermal in the box

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### Fixture list

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Cross electric screwdriver (#1)</td>
<td>1</td>
</tr>
<tr>
<td>Thermal module support fixture</td>
<td>1</td>
</tr>
<tr>
<td>Ion fan</td>
<td>1</td>
</tr>
</tbody>
</table>

---

**Note**: Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman.

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**制表：朱亚**  **发行部门：工业工程课**
Standard operation process

Document No. : Aloe 1.0-2.0 disassemble SOP  
SOP Name : Disassemble DC-IN/Antenna  
Ver. : 1.0  
edit date : 2019/9/5

steps:

1. Remove the DC in bracket screw (6052B0466801)*1 (Figure 2)  
   --Torque: 2.0 ± 0.2 Kgf. Cm
2. Remove Antenna from the cable management slot (Figure 2)
3. Place the DC-IN\BRKT in the magazine

Figure 1

Figure 2

notes: Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric screwdriver (T8)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

制表：朱亚  发行部门：工业工程课
**Standard operation process**

**Document No.** : Aloe 1.0-2.0 disassemble SOP  
**SOP Name** : Disassemble Hinge up  
**Ver.** : 1.0  
**edit date** : 2019/9/5

---

**steps :**

1. Remove the screw M2.5*5 (6052B0466801)*2 and fix the Hinge (Fig. 1).  
   --Torque: 3.0 ± 0.2 Kgf. Cm  
   --Screws must not slip and should not fall into the machine.

<table>
<thead>
<tr>
<th>Bottom case</th>
<th>Gray</th>
<th>6070B1675601</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bottom case</td>
<td>BLUE</td>
<td>6070B1675602</td>
</tr>
</tbody>
</table>

**Figure 1**

---

**notes :** Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman.

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric screwdriver (T8)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Standard operation process

Document No. : Aloe 1.0-2.0 disassemble SOP
SOP Name : Disassemble Hinge up
Ver. : 1.0
edit date : 2019/9/5

station : 20(1/1)

steps :
1. Remove the screw M2.5*5 (6052B0466801)*3 and fix the Hinge (Fig. 1).
   --Torque: 3.0 ± 0.2 Kgf. Cm
   --Screws must not slip and should not fall into the machine.

<table>
<thead>
<tr>
<th>Bottom case</th>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gray</td>
<td>Electric screwdriver (T8)</td>
<td>1</td>
</tr>
<tr>
<td>Blue</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes: Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman.

Figure 1
Standard operation process

Document No. : Aloe 1.0-2.0 disassemble SOP
SOP Name : Remove A/B parts

station : 21(1/1)
Ver. : 1.0
edit date : 2019/9/5

steps:
1. Remove the A/B parts and disassemble them according to the following arrows and order (Figure 1)
2. Turn the glass over and remove the Touch cable (Figure 2)
3. Put the glass in the box

notes : Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

制表：朱亚 发行部门：工业工程课
Standard operation process

Document No. : Aloe 1.0-2.0 disassemble SOP  station : 22(1/1)
SOP Name : Screw removal  Ver. : 1.0  edit date : 2019/9/5

steps:
1. Remove the screw M2*2.5(6052B0120001)*6 and fix the right Hinge BRKT/LCM (Fig. 1).

-- screwdriver number #1
-- Torque: 1.5 ± 0.2Kg/cm
-- Screws are not slippery

notes : Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross electric screwdriver (#1)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
steps:

1. Remove the Hinge screw M2.5*2.5 (6052B0466901)*4 (Fig. 1).
   -- screwdriver number #1
   -- Torque: 3± 0.2 Kg/cm
   -- Screws are not slippery.

![Figure 1](image1)

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
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</thead>
<tbody>
<tr>
<td>Cross electric screwdriver (#1)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

notes: Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman.
steps:

1. Remove the Hinge screw M2.5*2.5 (6052B0466901)*4 (Fig. 1).
   --screwdriver number #1
   --Torque: 3 ± 0.2 Kg/cm
   --Screws are not slippery.

Figure 1

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cross electric screwdriver (#1)</td>
<td>1</td>
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</tbody>
</table>

notes: Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman.
Standard operation process

Document No. : Aloe 1.0-2.0 disassemble SOP
SOP Name : Disassemble G-Sensor/LCM
Ver. : 1.0
edit date: 2019/9/5

station : 25(1/1)

steps:
1. Remove G-Sensor/B from A-cover (Figure 1)
2. Remove the LCM Module (Figure 2)
3. Put the material in the box

<table>
<thead>
<tr>
<th>G sensor/B</th>
<th>料號</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>1310A3112701</td>
</tr>
<tr>
<td>2.0</td>
<td>1310A3113501</td>
</tr>
</tbody>
</table>

notes: Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman.

Figure 1

Figure 2
Standard operation process

Document No. : Aloe 1.0-2.0 disassemble SOP
SOP Name : Remove left and right Hinge
Ver. : 1.0
edit date : 2019/9/5

station : 26(1/1)

steps:

1. Remove the right and left Hinge at a certain angle (Figure 1)

<table>
<thead>
<tr>
<th>eDP Cable</th>
<th>Hongxi</th>
<th>Hank</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>6017B1292001</td>
<td>6017B1292201</td>
</tr>
<tr>
<td>2.0</td>
<td>6017B1344401</td>
<td>6017B1344501</td>
</tr>
</tbody>
</table>

notes : Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman.
## Standard operation process

**Document No.**: Aloe 1.0-2.0 disassemble SOP  
**SOP Name**: Disassemble Antenna(left)  
**Ver.**: 1.0  
**edit date**: 2019/9/5

### steps:

1. Remove the left Antenna (Figure 1)

### notes:
Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman.

### Fixture list:

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

制表：朱亚       发行部门：工业工程课
steps:

1. Remove the right Antenna (Figure 1)

notes: Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman.

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
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</thead>
<tbody>
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<td></td>
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</tr>
</tbody>
</table>

制表：朱亚 发行部门：工业工程课
Standard operation process

Document No. : Aloe 1.0-2.0 disassemble SOP
SOP Name : Disassemble FFC/Camera

Station : 29(1/1)
Ver. : 1.0
edit date : 2019/9/5

steps :

1. Remove the FFC on the A cover (Figure 1)
2. Remove Camera from A-cover (Figure 2)
3. Place the material in the box

notes : Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
</tr>
</thead>
</table>

Figure 1

Figure 2

制表：朱亚 发行部门：工业工程课
Standard operation process

Document No. : Aloe 1.0-2.0 disassemble SOP
SOP Name : Screw removal

Ver. : 1.0 edit date : 2019/9/5

station : 30(1/1)

steps :

1. Remove BRKT screw M2*2.3 (6052B0276401) * 4 (Figure 1)
   --Screwdriver number #1
   --Torque: 1.5 ± 0.2 Kg/cm
2. Material placed in the box

notes : Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
<th>Fixture list(fixture spec)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Cross electric screwdriver (#1)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Figure 1
steps:

1. Remove the screw M2*2.3 (6052B0276401) * 6. (Figure 1)
   --Confirm that the positioning post is assembled in place
   --Screwdriver number #1
   --Torque: 1.2 ± 0.2 Kg/cm
   --Screw can not slip
2. Material placed in the box

notes: Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
<th>Fixture list(fixture spec)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Cross electric screwdriver (#1)</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Figure 1
steps:

1. (For 2nd CCD only) Remove Webcam/B screw M2*2 (6052B0156301)*1 (Figure 1)
2. Remove the bracket screw M2*2 (6052B0156301)*3 (Figure 1)
   --screwdriver number #1
   --Torque: 1.5 ± 0.2 Kg/cm
   --Screw can not slip
3. Material placed in the box

Figure 1

notes: Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
<th>Fixture list(fixture spec)</th>
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</thead>
<tbody>
<tr>
<td>Automatic screw machine</td>
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</tbody>
</table>
Standard operation process

Document No. : Aloe 1.0-2.0 disassemble SOP

station : 33(1/1)

SOP Name : Disassemble 2nd Webcam

Ver. : 1.0 edit date : 2019/9/5

steps:

1. (For 2nd CCD only) Remove Webcam screw M1.6x2 (6052B0204401)*1 (Figure 1)
   --screwdriver number #0
   --Torque: 1.0 ± 0.2 Kg/cm
   --Screw can not slip

2. Tearing aluminum foil (Figure 2)

3. Remove the Webcam loading box

notes : Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
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<tbody>
<tr>
<td>Cross electric screwdriver (#0)</td>
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</tbody>
</table>

制表：朱亚 发行部门：工业工程课
Standard operation process

Document No. : Aloe 1.0-2.0 disassemble SOP
SOP Name : Unfix Top hot melting

station : 34(1/1)
Ver. : 1.0
edit date : 2019/9/5

steps :
1. Unfix Top hot melt melting point, remove waterproof Mylar, conductive cloth, KB BEKR, KB
2. Material packing

notes : Need to take and put the PCB carefully, do not touch the components on the PCB, if any abnormal please inform the assistant and the foreman

<table>
<thead>
<tr>
<th>Fixture list(fixture spec)</th>
<th>QTY</th>
<th>Fixture list(fixture spec)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Antipyretic fused iron 1</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

制表：朱亚 发行部门：工业工程课