



## Product End-of-Life Disassembly Instructions

**Product Category:** Personal Computers

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

HP Pro x360 435 13.3-inch G10 Notebook PC  
HP Pro x360 435 G10

**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 Inc. 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 or identification of location of parts or components requiring selective treatment, please contact [HP's Sustainability Contact](#).

### 1.0 Items Requiring Selective Treatment

1.1 Items listed below are classified as requiring selective treatment. An "X" in the list of components and parts indicates the product contains the component or part requiring selective treatment

| Item Description                                                                                                                                     | Components and parts requiring selective treatments                                                                                                                                                                                                                                                                                                                                                                            | Quantity of items included in product |
|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| Printed Circuit Boards (PCB) or Printed Circuit Assemblies (PCA) with a surface greater than 10 sq cm                                                | <input checked="" type="checkbox"/> Main board (MB) PCB<br><input checked="" type="checkbox"/> Solid state drive (SSD) PCB<br><input type="checkbox"/> Wireless WAN module (WWAN) PCB<br><input checked="" type="checkbox"/> External power supply (EPS) PCB<br><input type="checkbox"/> External Keyboard (KB)<br><input type="checkbox"/> External Mouse<br><input checked="" type="checkbox"/> Others: touch pad, DDR (RAM) | 5                                     |
| Batteries, excluding Li-Ion batteries. This includes standard alkaline, coin or button style batteries                                               | RTC battery                                                                                                                                                                                                                                                                                                                                                                                                                    | 1                                     |
| Li-Ion batteries. Includes all Li-Ion batteries if more than one is provided with the product (such as a detachable notebook keyboard battery, etc.) | Battery(ies) are attached to the product by:<br><input checked="" type="checkbox"/> screws<br><input type="checkbox"/> snaps<br><input type="checkbox"/> adhesive<br><input type="checkbox"/> other. Explain _____                                                                                                                                                                                                             | 1                                     |
| 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               | <input checked="" type="checkbox"/> Panel LCD                                                                                                                                                                                                                                                                                                                                                                                  | 1                                     |
| Cathode Ray Tubes (CRT)                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                | 0                                     |

| Item Description                                                                                                                                                                       | Components and parts requiring selective treatments                              | Quantity of items included in product |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------|
| Capacitors / condensers (Containing PCB/PCT)                                                                                                                                           |                                                                                  | 0                                     |
| Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height                                                                                               | [     ] Power Supply capacitor(s) or condenser(s)                                | 0                                     |
| External electrical cables and cords                                                                                                                                                   | [   x   ] AC power cord<br>[     ] Audio, video or data cables<br>[     ] Other: | 1                                     |
| Gas Discharge Lamps                                                                                                                                                                    |                                                                                  | 0                                     |
| Plastics containing Brominated Flame Retardants (not including external electrical cables and cords, PCBs or PCAs already listed as a separate item above)                             |                                                                                  | 0                                     |
| Components and parts containing toner and ink, including liquids, semi-liquids (gel/paste) and toner. Include the cartridges, print heads, tubes, vent chambers, and service stations. |                                                                                  | 0                                     |
| Components and waste containing asbestos                                                                                                                                               |                                                                                  | 0                                     |
| Components, parts and materials containing refractory ceramic fibers                                                                                                                   |                                                                                  | 0                                     |
| Components, parts and materials containing radioactive substances                                                                                                                      |                                                                                  | 0                                     |
| Components containing chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC) or hydrofluorocarbons (HFC), hydrocarbons (HC)                                                        |                                                                                  | 0                                     |

## 2.0 Tools Required

List of 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.

| Tool Description | Tool Size (if applicable) |
|------------------|---------------------------|
| [x] screwdriver  | #1                        |
|                  |                           |
|                  |                           |
|                  |                           |
|                  |                           |

## 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 each operation name of Disassembly instruction in 3.2 section.
2. If parts can be removed without using a tool, remove it first.
3. Use correct screwdriver and torque value before unlock the screw.

NOTE - For disassembly instructions of the external power supply (EPS), external keyboard (KB) external mouse and external cables and cords, refer to the links below:

- [Generic External Power Supply \(EPS\)](#)
- [Generic cables and cords](#)

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

|                    |                 |           |         |
|--------------------|-----------------|-----------|---------|
| Sub-assembly name: | Disassembly SOP |           |         |
| Document No.:      | Disassembly SOP |           |         |
| Written by:        | Chen. Haley     | Revision: | 1.00    |
| Date:              | 2022/12/26      | Page:     | 1 of 25 |

### A.Current station version list:

| Station | Version | Station | Version | Station | Version | Station | Version | Station | Version | Station | Version |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 1       | 1.00    | 11      | 1.00    | 21      | 1.00    |         |         |         |         |         |         |
| 2       | 1.00    | 12      | 1.00    | 22      | 1.00    |         |         |         |         |         |         |
| 3       | 1.00    | 13      | 1.00    |         |         |         |         |         |         |         |         |
| 4       | 1.00    | 14      | 1.00    |         |         |         |         |         |         |         |         |
| 5       | 1.00    | 15      | 1.00    |         |         |         |         |         |         |         |         |
| 6       | 1.00    | 16      | 1.00    |         |         |         |         |         |         |         |         |
| 7       | 1.00    | 17      | 1.00    |         |         |         |         |         |         |         |         |
| 8       | 1.00    | 18      | 1.00    |         |         |         |         |         |         |         |         |
| 9       | 1.00    | 19      | 1.00    |         |         |         |         |         |         |         |         |
| 10      | 1.00    | 20      | 1.00    |         |         |         |         |         |         |         |         |

### B.Version Modify list:

| Date       | Station | Content | Ver. | Design     |
|------------|---------|---------|------|------------|
| 2022/12/26 | ALL     | Initial | 1.** | Chen.Haley |
|            |         |         |      |            |
|            |         |         |      |            |
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EL-MF87  
Template

last update

Checked by : Luo.Tian-ye Prepared by : IE Department



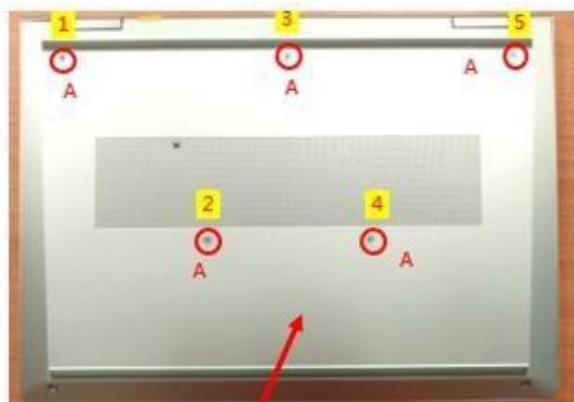
# Standard Operation Procedure

Document No.      disassembly SOP

Station:      1(1/1)

Operation Name :      Disassemble the base screws

Ver. : 1.00      Edit date 2022/12/26



Base

## Step :

1. Disassemble the screws\*5 on the lower of the base according to the sequence shown in the figure °

- ❖ Disassemble screw\*A directly up and down
- ❖ Torque :  $2.5 \pm 0.2 \text{ Kg} \cdot \text{cm}$
- ❖ Do not slide the screw or withdraw the lower cover during disassembly.

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.)                      | Qty | Symbol |         |       |         |      |      |    |        |
|-------------------------------------------|-----|--------|---------|-------|---------|------|------|----|--------|
| Cross electric screwdriver head (#1)<br>1 |     |        |         |       |         |      |      |    |        |
|                                           |     | Safe   | Quality | Order | Fixture | Hear | Look | Do | Static |

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Issued : IE department



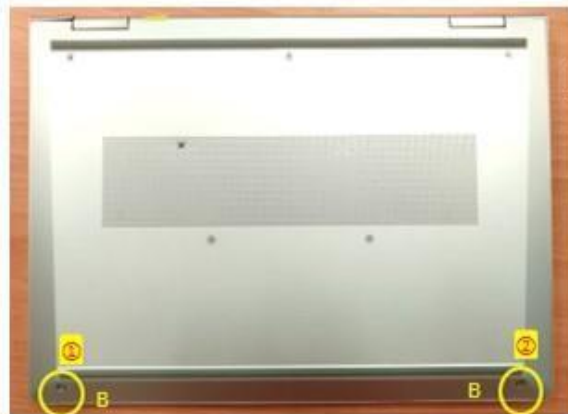
# Standard Operation Procedure

Document No.      disassembly SOP

Station:      2(1/1)

Operation Name :      Disassemble the base cover

Ver. : 1.00      Edit date 2022/12/26



1

## Step :

1. Disassemble the screws\*2 on the lower of the base according to the sequence shown in the figure °

- ❖ Disassemble screw\*A directly up and down
- ❖ Torque :  $2.5 \pm 0.2 \text{ Kg} \cdot \text{cm}$
- ❖ Do not slide the screw or withdraw the lower cover during disassembly

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.)                      | Qty | Symbol |         |       |         |      |      |    |        |
|-------------------------------------------|-----|--------|---------|-------|---------|------|------|----|--------|
| Cross electric screwdriver head (#1)<br>1 |     |        |         |       |         |      |      |    |        |
|                                           |     | Safe   | Quality | Order | Fixture | Hear | Look | Do | Static |

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Issued : IE department



# Standard Operation Procedure

Document No.      disassembly SOP

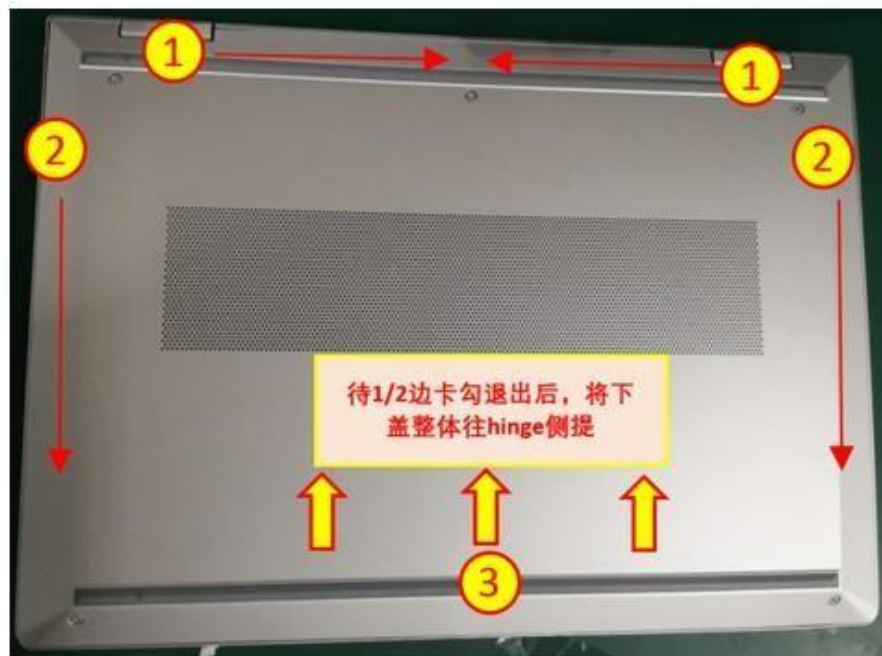
Station:      3(1/1)

Operation Name:      Remove the base cover

Ver. : 1.00      Edit date: 2022/12/26

## Step :

1. Use the disassembly bar to pry off the base cover from the hinge cap and hook according to the sequence shown in the figure, and then place it in the material box °
2. Order of disassembly: 1→2→3,  
❖ The base cover magnet can not be attached other screws.



Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.) | Qty | Symbol |         |       |         |      |      |    |        |
|----------------------|-----|--------|---------|-------|---------|------|------|----|--------|
| disassembly bar      | 1   |        |         |       |         |      |      |    |        |
|                      |     | Safe   | Quality | Order | Fixture | Hear | Look | Do | Static |

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Issued : IE department



# Standard Operation Procedure

Document No.      disassembly SOP

Station:      4(1/1)

Operation Name :      Disassemble the Battery

Ver. : 1.00      Edit date : 2022/12/26

## Step :



1. According to the sequence shown in the figure, remove the fixing screws\*4 ° (figure 1)

- ❖ Torque :  $1.5 \pm 0.2 \text{ Kgf} \cdot \text{cm}$
- ❖ Do not slide the screw when disassembling

2. Remove battery from the machine ° (figure2)

- ❖ Lift the CR end of battery up to 45 and take it out
- ❖ There are stops at the lower left and right corners, which can not damage the hook and battery
- ❖ Take out the battery and place it in the material box



Battery

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.)                      | Qty | Symbol |         |       |         |      |      |    |        |
|-------------------------------------------|-----|--------|---------|-------|---------|------|------|----|--------|
| Cross electric screwdriver head (#1)<br>1 |     |        |         |       |         |      |      |    |        |
|                                           |     | Safe   | Quality | Order | Fixture | Hear | Look | Do | Static |

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# Standard Operation Procedure

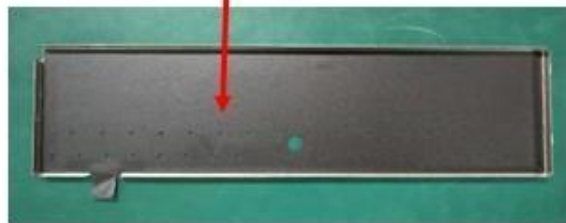
Document No.      disassembly SOP

Station:      5(1/1)

Operation Name :      Disassemble the DDR Shield Bracket

Ver. : 1.00      Edit date 2022/12/26

## DDR Shield Bracket



1

### Step :

1. Remove the DDR shield Bracket from MB and place it in the material box.

- ❖ Make M/B Clips 25 (figure2) °
- ❖ When taking DDR shield Bracket , do not damage the upper M/B components.



2

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.) | Qty | Symbol |             |       |             |      |      |    |        |
|----------------------|-----|--------|-------------|-------|-------------|------|------|----|--------|
|                      |     |        |             |       |             |      |      |    |        |
|                      |     | Safe   | Qual<br>ity | Order | Fixtur<br>e | Hear | Look | Do | Static |

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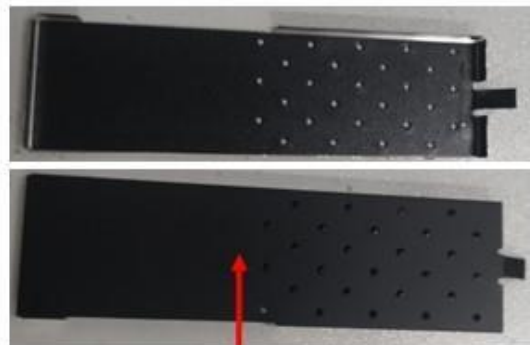


# Standard Operation Procedure

Document No.      disassembly SOP

Station:      6(1/1)

Operation Name :      Disassemble the SSD Shield Bracket      Ver. : 1.00      Edit date 2022/12/26



1

DDR Shield Bracket



2

## Step :

1. Remover SSD shield Bracket from M/B °
  - ❖ Make M/B Clips 13 ( figure2 ) °
  - ❖ When taking DDR shield Bracket , do not damage the upper M/B components.

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.) | Qty | Symbol |             |       |             |      |      |    |        |
|----------------------|-----|--------|-------------|-------|-------------|------|------|----|--------|
|                      |     |        |             |       |             |      |      |    |        |
|                      |     | Safe   | Qual<br>ity | Order | Fixtur<br>e | Hear | Look | Do | Static |

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# Standard Operation Procedure

Document No.      disassembly SOP

Station:      7(1/2)

Operation Name :      Disassemble the DDR

Ver. : 1.00      Edit date 2022/12/26



## Step :

1. Open the buckle of the main DDR with both hands at the same time, and the DDR will pop up to the tilt automatically (figure2)

2. Take it out in the direction of DDR (figure3)

- ❖ Do not operate with one hand (figure3)
- ❖ Do not damage the M/B components.
- ❖ When taking DDR, do not touch the PIN.
- ❖ plug-in must not be skewed.



Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.) | Qty | Symbol |         |       |         |      |      |    |        |
|----------------------|-----|--------|---------|-------|---------|------|------|----|--------|
| Lon fan              | 1   |        |         |       |         |      |      |    |        |
|                      |     | Safe   | Quality | Order | Fixture | Hear | Look | Do | Static |

Prepared : Luo.Tian-ye

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# Standard Operation Procedure

Document No.      disassembly SOP

Station:      7(2/2)

Operation Name : DDR disassembly specification

Ver. : 1.00      Edit date 2022/12/26

## Step :



1

1. Only one ram can be taken and put at a time, when taking and putting ,fingers can only hold both sides of ram (figure1) °

❖ do not press one side of ram and lift it up from the other side (figure2)

❖ Two or more RAM can not be taken and placed at the same time by each hand (figure3)

❖ do not take the place as figure4

❖ do not press the golden finger as figure5

❖ do not touch the gold finger on RAM as figure6.



2



3



5



4



6

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.) | Qty | Symbol      |             |       |             |      |      |        |
|----------------------|-----|-------------|-------------|-------|-------------|------|------|--------|
|                      |     | 静电枪<br>离子风扇 | +           | ●     | ?           | ?    | ?    | 1      |
|                      |     | Safe        | Qual<br>ity | Order | Fixtur<br>e | Hear | Look | Do     |
|                      |     |             |             |       |             |      |      | Static |

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# Standard Operation Procedure

Document No.      disassembly SOP

Station:      8(1/1)

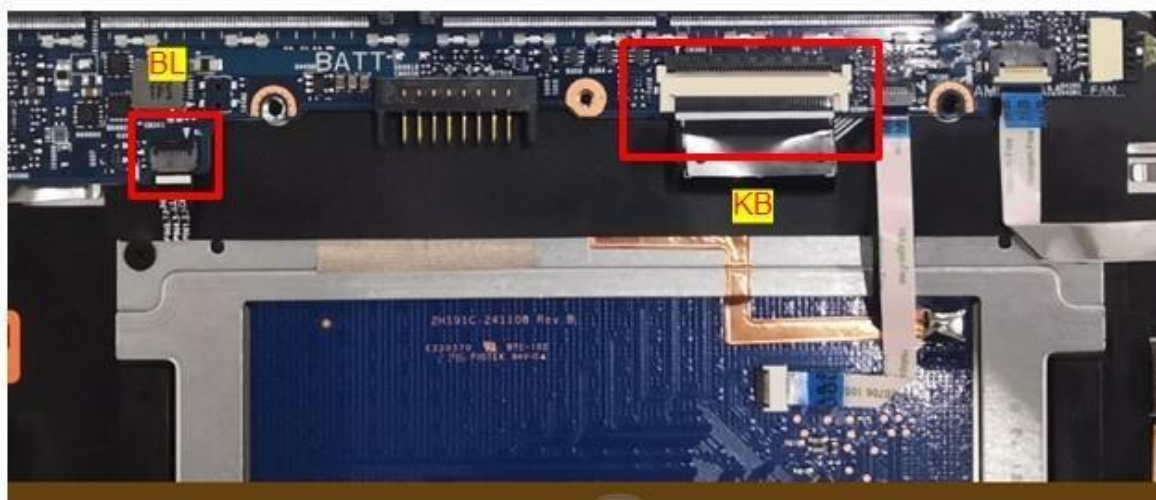
Operation Name :      Disassemble FFC/FPC(1)

Ver. : 1.00      Edit date 2022/12/26

## Step :

1. Remove K/b Menbrance from M/b CNTR °  
(figure1)
  - ❖ Open the piano cover of CNTR and exit the line °
  - ❖ Do not pull K/B Membrane
  - ❖ do not press the broken line of KB membrane (figure2)
2. Disassemble K/b backlight FPC from M/b CNTR °  
(figure1)
  - ❖ Open the piano cover of CNTR and exit the line °
  - ❖ Do not pull K/B Backlight FPC

1



Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.) | Qty | Symbol |             |       |             |      |      |    |        |
|----------------------|-----|--------|-------------|-------|-------------|------|------|----|--------|
|                      |     |        |             |       |             |      |      |    |        |
|                      |     | Safe   | Qual<br>ity | Order | Fixtur<br>e | Hear | Look | Do | Static |

Prepared : Luo.Tian-ye

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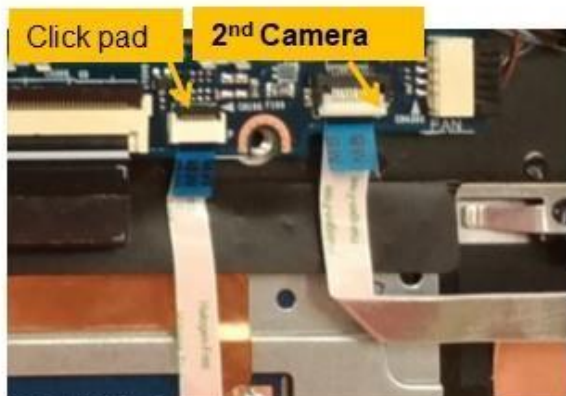
# Standard Operation Procedure

Document No.      disassembly SOP

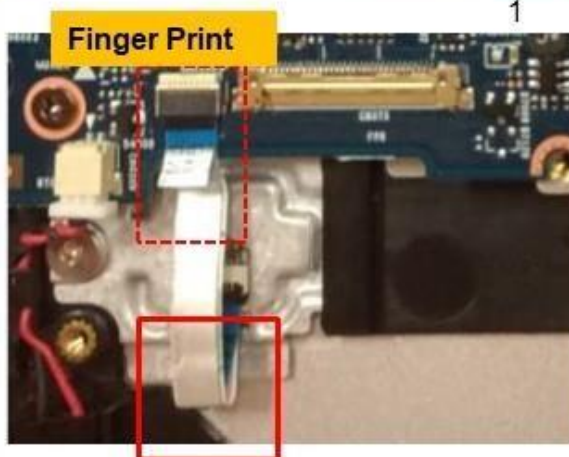
Station:      9(1/1)

Operation Name :      Disassemble FFC/FPC(□)

Ver. : 1.00      Edit date 2022/12/26



1



2

## Step :

1. Remove click pad FFC from M/b CNTR ◦ (figure1)
  - ❖ Open the piano cover of CNTR and exit the line ◦
  - ❖ Do not pull FFC
2. Remove 2<sup>nd</sup> camera FFC from M/b CNTR ◦ (figure1)
  - ❖ Open the piano cover of CNTR and exit the line ◦
  - ❖ Do not pull FFC
3. Remove Fingerprint FFC from M/b CNTR ◦ (figure2)
  - ❖ Open the piano cover of CNTR and exit the line ◦
  - ❖ Do not pull FFC

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.) | Qty | Symbol |             |       |             |      |      |    |        |
|----------------------|-----|--------|-------------|-------|-------------|------|------|----|--------|
|                      |     |        |             |       |             |      |      |    |        |
|                      |     | Safe   | Qual<br>ity | Order | Fixtur<br>e | Hear | Look | Do | Static |

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Issued : IE department



# Standard Operation Procedure

Document No.        disassembly SOP

Station:        10(1/1)

Operation Name : Disassemble EDP & WLAN Antenna cables Ver. : 1.00 Edit date 2022/12/26

## Step :



1

1. Remove the WLAN main & aux sub antenna connector from the module terminal block ° (figure1)

- ❖ When taking out the antenna ,do not damage the terminal on the antenna module
- ❖ Exit the antenna from the hook



2

2. Take EDP cable CNTR ° (figure1)

- ❖ Hold the cable terminal and lift it up gently
- ❖ Do not use too much force to prevent personnel from damaging the cable
- ❖ Withdraw the cable from the card hook.

3. remove the Webcam cable CNTR from the M/b ° (figure2)

- ❖ Hold the cable terminal and lift it up gently
- ❖ Do not use too much force to prevent personnel from damaging the cable
- ❖ Withdraw the cable from the card hook

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.) | Qty | Symbol |             |       |             |      |      |    |        |
|----------------------|-----|--------|-------------|-------|-------------|------|------|----|--------|
|                      |     |        |             |       |             |      |      |    |        |
|                      |     | Safe   | Qual<br>ity | Order | Fixtur<br>e | Hear | Look | Do | Static |

Prepared : Luo.Tian-ye

Issued : IE department



# Standard Operation Procedure

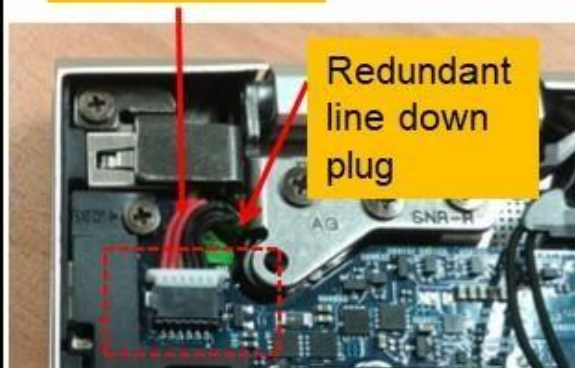
Document No.      disassembly SOP

Station:      11(1/1)

Operation Name :    Disassemble DC-IN cable & IO Holder    Ver. : 1.00    Edit date 2022/12/26

## Step :

### DC-IN cable



1. Remove DC-in cable from M/b CNTR  
◦ (figure1)  
❖ Push back DC-in cable CNTR with both thumbs until exiting M/B CNTR

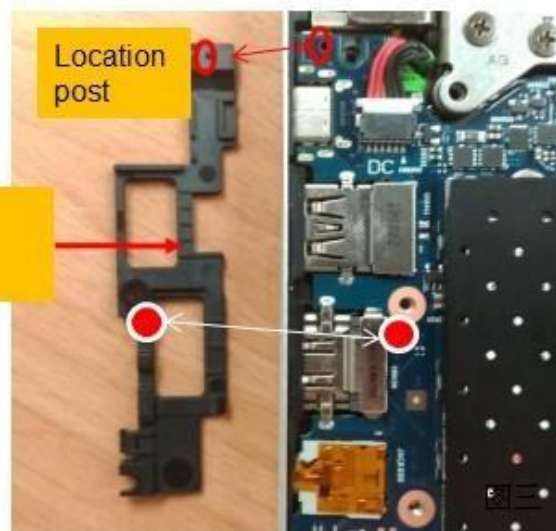
2. Screw the holder & hinge in the order shown in the figure ◦ (figure2)  
❖ Torque :  $1.5 \pm 0.2 \text{ Kgf} \cdot \text{cm}$   
❖ Do not slide the screw when disassembling

1

3. Take out the holder and place it in the material box ◦  
❖ Take care not to damage the components ◦



### DC-IN cable



2

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.)                      | Qty | Symbol |             |       |             |      |      |    |        |
|-------------------------------------------|-----|--------|-------------|-------|-------------|------|------|----|--------|
| Cross electric screwdriver head (#1)<br>1 |     |        |             |       |             |      |      |    |        |
|                                           |     | Safe   | Qual<br>ity | Order | Fixtur<br>e | Hear | Look | Do | Static |

Prepared : Luo.Tian-ye

Issued : IE department



# Standard Operation Procedure

Document No.      disassembly SOP

Station:      12(1/1)

Operation Name :      Disassemble the hinge screws on the main upper Ver. : 1.00      Edit date : 2022/12/26



1

## Step :

1. Open the hinge to about 100 to 110 and place it on the load support fixture (figure1)

2. Dismantle the screw\*7 at the upper end of hinge main ◦ (figure2,figure3)

- ❖ Do not scratch hinge cap during disassembly
- ❖ Do not pull Hinge up cable
- ❖ Do not collide with MB parts
- ❖ Do not slide the screw
- ❖ Screw material NO. : 6052A0010401 (M2.5x6.0)
- ❖ Torque :  $3.0 \pm 0.2 \text{ Kg} \cdot \text{cm}$

3. Take out the upper part and main upper part ◦



2



3



4

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.)                 | Qty | Symbol |         |       |         |      |      |    |        |
|--------------------------------------|-----|--------|---------|-------|---------|------|------|----|--------|
| Cross electric screwdriver head (#1) |     |        |         |       |         |      |      |    |        |
| 1 L-shaped bearing support fixture   |     | Safe   | Quality | Order | Fixture | Hear | Look | Do | Static |

Prepared : Luo.Tian-ye

Issued : IE department



# Standard Operation Procedure

Document No.      disassembly SOP

Station:      13 ( 1/1)

Operation Name :      Disassemble WLAN/WWAN/SSD

Ver. : 1.00      Edit date 2022/12/26

## Step :



1

1. Remove the screw\*1 ◦ (figure1)
  - ❖ Screw material NO.: 6052B0302601 (M2.0x3.0)
  - Torque :  $1.5 \pm 0.2 \text{ Kg} \cdot \text{cm}$
  - ❖ Screw do not slide back when disassembling



2

2. Disassemble fix SSD module screw\*1 ◦ (figure2)
  - ❖ Screw material NO. : 6052B0302601 (M2.0x3.0)
  - Torque :  $1.5 \pm 0.2 \text{ Kg} \cdot \text{cm}$
  - ❖ Screw do not slide back when disassembling



3

- 3 , take out **WLAN** Module and **SSD** Module
  - ❖ It's hard to record the force when inserted universal joint reverses ◦



4

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.)                      | Qty | Symbol |             |       |             |      |      |    |        |
|-------------------------------------------|-----|--------|-------------|-------|-------------|------|------|----|--------|
| Cross electric screwdriver head (#1)<br>1 |     |        |             |       |             |      |      |    |        |
|                                           |     | Safe   | Qual<br>ity | Order | Fixtur<br>e | Hear | Look | Do | Static |

Prepared : Luo.Tian-ye

Issued : IE department



# Standard Operation Procedure

Document No.      disassembly SOP

Station:      14(1/1)

Operation Name :    Disassemble the Thermal Module

Ver. : 1.00    Edit date 2022/12/26



## Step :

1. Disassemble fixing screws\*6 ° (figure1 )
  - ❖ Torque :  $1.5 \pm 0.2 \text{ Kgf} \cdot \text{cm}$
  - ❖ Do not slide the screw when disassembling
  - ❖ It must be disassembled in the order 1→2→3→4→5→6
2. Remove the Thermal Module
  - ❖ Note that the right cooling fin is inserted obliquely so first lift the left side, and then exit the fin ° (figure2)

1

Thermal Module



2

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.)                      | Qty | Symbol |             |       |             |      |      |    |        |
|-------------------------------------------|-----|--------|-------------|-------|-------------|------|------|----|--------|
| Cross electric screwdriver head (#1)<br>1 |     |        |             |       |             |      |      |    |        |
|                                           |     | Safe   | Qual<br>ity | Order | Fixtur<br>e | Hear | Look | Do | Static |

Prepared : Luo.Tian-ye

Issued : IE department



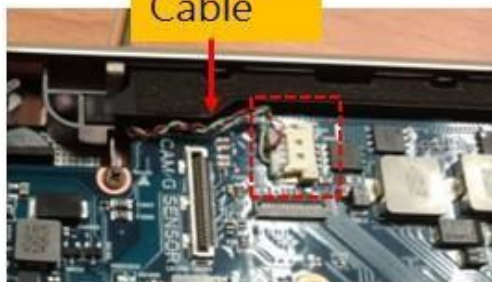
# Standard Operation Procedure

Document No.      disassembly SOP

Station:      15(1/1)

Operation Name :      Disassemble FAN & Speaker Cable      Ver. : 1.00      Edit date 2022/12/26

Speaker  
Cable



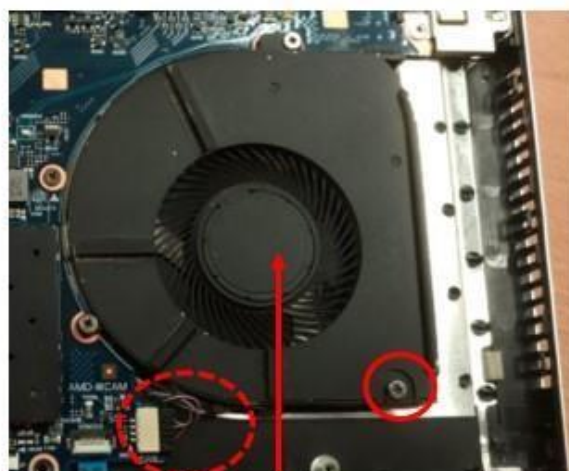
1

## Step :

1. Exit fan cable CNTR and speaker cable (figure 1, 2)
- ❖ When exiting cable CNTR, do not tilt or pull it out violently

2. Remove and fix fan module screw\*1 (figure 2)
- ❖ 扭力:  $1.5 \pm 0.2 \text{ Kg} \cdot \text{cm}$
  - ❖ Do not slide the screw when disassembling

3. Remove FAN module



2

Fan

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.)                      | Qty | Symbol |             |       |             |      |      |    |        |
|-------------------------------------------|-----|--------|-------------|-------|-------------|------|------|----|--------|
| Cross electric screwdriver head (#1)<br>1 |     |        |             |       |             |      |      |    |        |
|                                           |     | Safe   | Qual<br>ity | Order | Fixtur<br>e | Hear | Look | Do | Static |

Prepared : Luo.Tian-ye

Issued : IE department

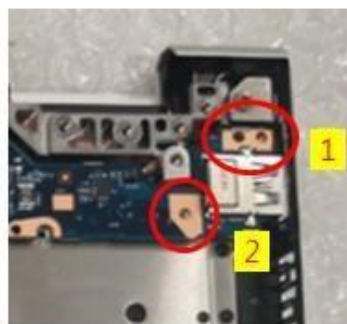


# Standard Operation Procedure

Document No.        disassembly SOP

Station:        16(1/1)

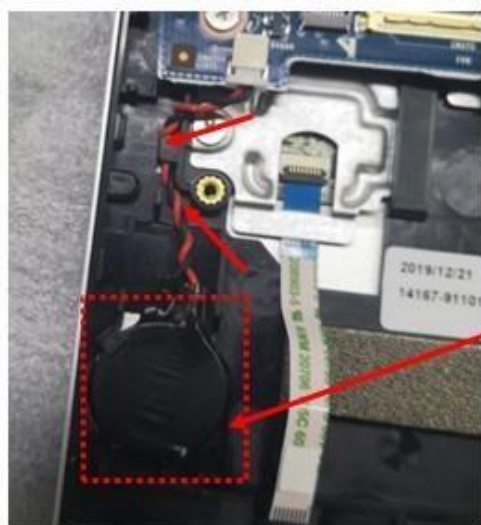
Operation Name :    Disassemble USB Bracket & RTC battery Ver. : 1.00    Edit date : 2022/12/26



1

## Step :

1. Disassemble the MB bolts screws \*2 in the sequence shown in the figure1 °
  - ❖ Torque :  $1.5 \pm 0.2 \text{ Kgf} \cdot \text{cm}$
  - ❖ Do not slide the screw when disassembling
2. Remove the RTC battery cable from the plastic part and exit from the hook ° (figure3)



RTC Battery

3

Notice: Please inform production line leader or master if you found any abnormal..

| Fixture list (Spec.)                      | Qty | Symbol |             |       |             |      |      |    |        |
|-------------------------------------------|-----|--------|-------------|-------|-------------|------|------|----|--------|
| Cross electric screwdriver head (#1)<br>1 |     |        |             |       |             |      |      |    |        |
|                                           |     | Safe   | Qual<br>ity | Order | Fixtur<br>e | Hear | Look | Do | Static |

Prepared : Luo.Tian-ye

Issued : IE department



# Standard Operation Procedure

Document No.      disassembly SOP

Station:      17(1/1)

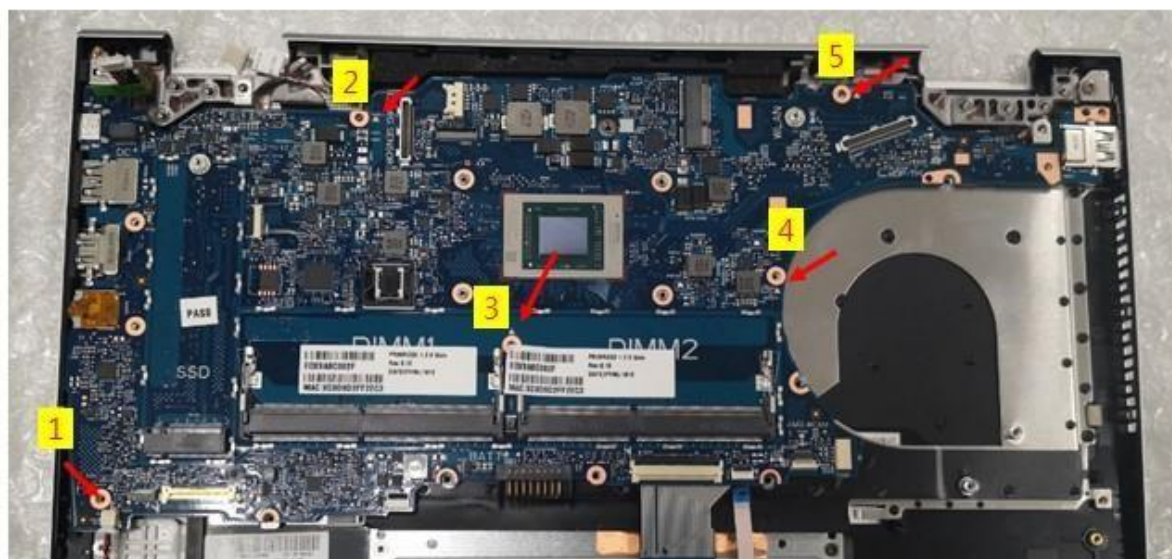
Operation Name :      Disassemble M/B Screw

Ver. : 1.00      Edit date : 2022/12/26

## Step :

1. Disassemble the M/B screw\*5 according to the sequence shown in the figure1.

- ❖ Screws material NO : 6052A0053001 (M2.0x2.5)
- ❖ Torque :  $1.5 \pm 0.2$  Kg $\cdot$ cm
- ❖ Do not slide the screw when disassembling



1

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.)                      | Qty | Symbol |         |       |         |      |      |    |        |
|-------------------------------------------|-----|--------|---------|-------|---------|------|------|----|--------|
| Cross electric screwdriver head (#1)<br>1 |     |        |         |       |         |      |      |    |        |
|                                           |     | Safe   | Quality | Order | Fixture | Hear | Look | Do | Static |

Prepared : Luo.Tian-ye

Issued : IE department



# Standard Operation Procedure

Document No.      disassembly SOP

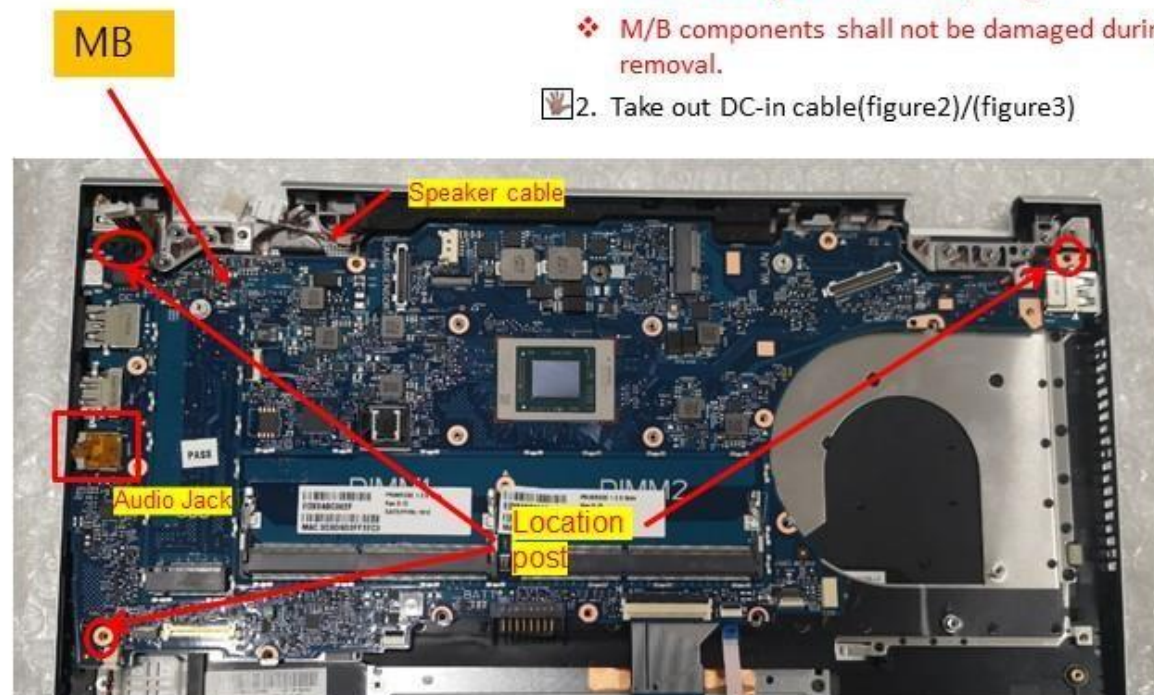
Station:      18(1/1)

Operation Name :      Remove MB from upper cover

Ver. : 1.00      Edit date 2022/12/26

## Step :

1. Remove M/B ◦ (figure1)
  - ✦ Slowly lift the right end of M/B, then exit the left end of audio jack. Take out M/B again.
  - ✦ M/B components shall not be damaged during removal.
2. Take out DC-in cable (figure2)/(figure3)



1



2



3

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.) | Qty | Symbol |         |       |         |      |      |        |
|----------------------|-----|--------|---------|-------|---------|------|------|--------|
|                      |     |        |         |       |         |      |      |        |
|                      |     | Safe   | Quality | Order | Fixture | Hear | Look | Do     |
|                      |     |        |         |       |         |      |      | Static |

23

Prepared : Luo.Tian-ye

Issued : IE department



# Standard Operation Procedure

Document No.      disassembly SOP

Station: 19(1/1)

Operation Name : Disassemble 2nd Camera

Ver. : 1.00    Edit date 2022/12/26



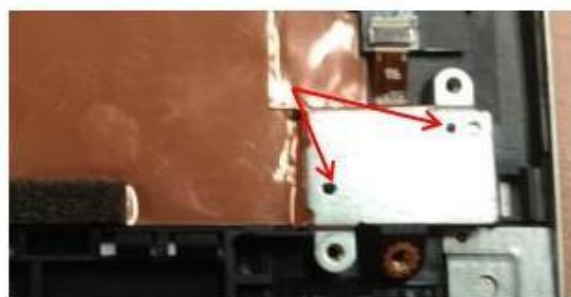
KB Support BRKT screw

1



2

## Without 2nd Camera SKU



3

## Step : With 2nd Camera SKU

1. Remove Bracket & K/B screws\*3 at the right corner of Support Bracket ◦ (figure1/2)
  - ❖ Torque :  $1.5 \pm 0.2$  Kg · cm
  - ❖ Screw should not slip at the time of disassembly
2. Remove 2nd Camera Bracket ◦ (figure3)
  - ❖ when the positioning column is removed, it must not to damage the plastic parts.

## Without 2nd Camera SKU

1. Disassemble the screw\*1 at the lower right corner of K/b support bracket ◦ (figure1)
  - ❖ Screw material No : 6052B0156201 (M2.0x2.0)
  - ❖ Torque :  $1.5 \pm 0.2$  Kg · cm
  - ❖ Do not slide the screw when disassembling

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (\$pec.)                     | Qty | Symbol |             |       |             |      |      |    |        |
|-------------------------------------------|-----|--------|-------------|-------|-------------|------|------|----|--------|
| Cross electric screwdriver head (#1)<br>1 |     |        |             |       |             |      |      |    |        |
|                                           |     | Safe   | Qual<br>ity | Order | Fixtur<br>e | Hear | Look | Do | Static |

Prepared : Luo.Tian-ye

Issued : IE department

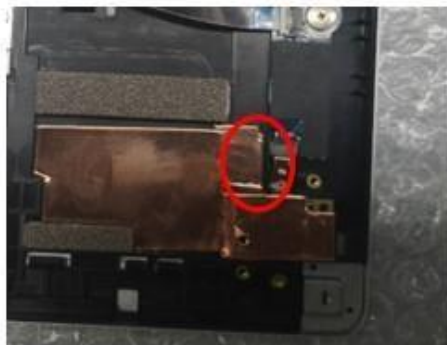


# Standard Operation Procedure

Document No.      disassembly SOP  
Operation Name : dismantling 2nd Camera

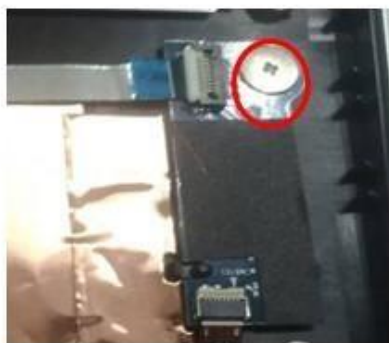
Station: 20(1/1)  
Ver. : 1.00 Edit date 2022/12/26

## Step : With 2nd Camera SKU



1. Slowly remove the cooling copper foil from the position as shown in the figure1

❖ Take care not to damage 2<sup>nd</sup> camera and nearby FFC during tearing FFC, etc.



2. Disassemble the 2<sup>nd</sup> camera screw\*1 ° (figure2)

❖ Screw material No : 6052B0156301 (M2.0x2.0)

❖ Torque :  $1.5 \pm 0.2$  Kgf · cm

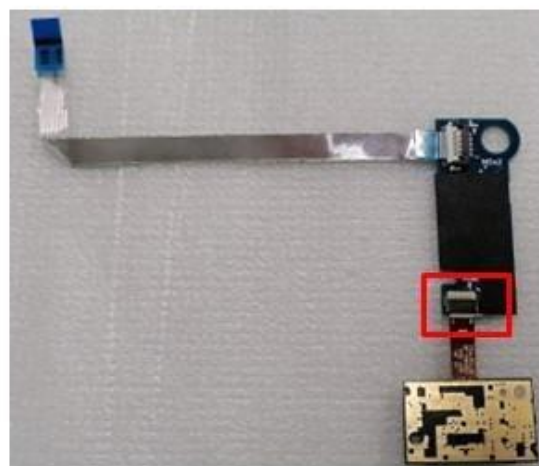
❖ The screw shall not slip when locking

3. Remove 2nd Camera/B & Camera Module ° (figure3)



4. Remove the Camera Module FPC from the 2<sup>nd</sup> camera/B CNTR ° (figure4)

❖ Open the CNTR piano cover before exiting the FPC



Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.) | Qty | Symbol |         |       |         |      |      |    |        |
|----------------------|-----|--------|---------|-------|---------|------|------|----|--------|
|                      |     |        |         |       |         |      |      |    |        |
|                      |     | Safe   | Quality | Order | Fixture | Hear | Look | Do | Static |

Prepared : Luo.Tian-ye

Issued : IE department



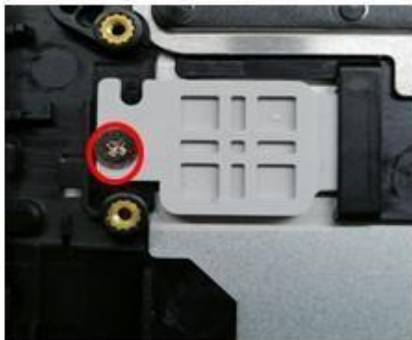
# Standard Operation Procedure

Document No.      disassembly SOP

Station:    21(1/1)

Operation Name :    Remove Finger print Dummy

Ver. : 1.00    Edit date 2022/12/26



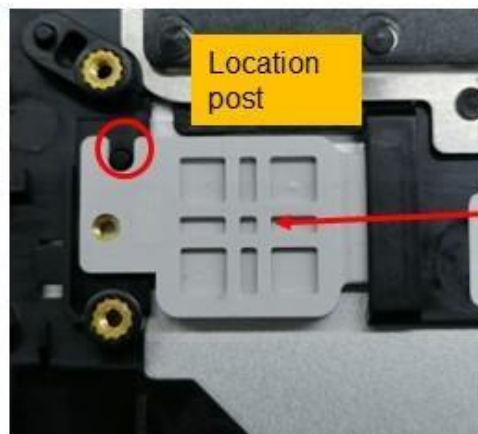
## Step :    Without Fingerprint SKU

1. Disassembly FPR dummy screw\*1 ° (figure1)
  - ❖ Screw material No : 6052B0156201 (M2.0x2.0)
  - ❖ Torque : 1.5 ± 0.2 Kgf · cm
  - ❖ Do not slide the screw when diassembling

## 2. Remove FPR Dummy (figure2)

- ❖ Lift over the left and exit the right end and insert the part ,then take it out.

1



2

Notice: Please inform production line leader or master if you found any abnormal..

| Fixture list (\$pec.)                            | Qty | Symbol |             |       |             |      |      |    |        |
|--------------------------------------------------|-----|--------|-------------|-------|-------------|------|------|----|--------|
| Fingerprint vacuum suction assembly fixture<br>1 |     |        |             |       |             |      |      |    |        |
| Cross electric screwdriver head (#1)<br>1        |     | Safe   | Qual<br>ity | Order | Fixtur<br>e | Hear | Look | Do | Static |

Prepared : Luo.Tian-ye

Issued : IE department



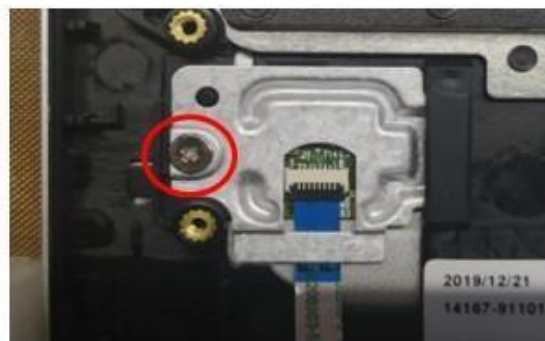
# Standard Operation Procedure

Document No.      disassembly SOP

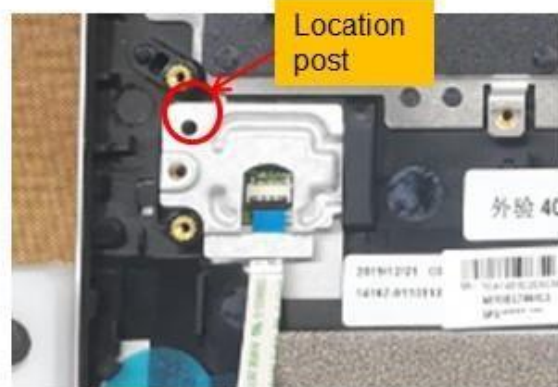
Station:      22(1/2)

Operation Name:    Remove Finger print

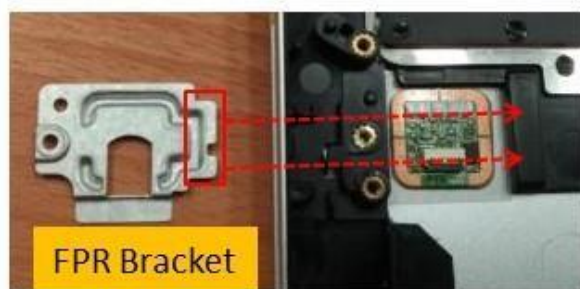
Ver. : 1.00    Edit date: 2022/12/26



1



2



3

## Step :      With Fingerprint SKU

1. Disassemble screw\*1 (figure1)
  - ❖ Screw material No : 6052B0156201 (M2.0x2.0)
  - ❖ Torque : 1.5 ± 0.2 Kg · cm
  - ❖ Do not slide the screw when disassembling

2. Take out bracket from the fixing groove of upper shell (figure2/3)

When taking out, first lift the left end to the left to exit the right insertion part, and then take out the BKT.

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.)                        | Qty | Symbol |         |       |         |      |      |    |        |
|---------------------------------------------|-----|--------|---------|-------|---------|------|------|----|--------|
| Fingerprint vacuum suction assembly fixture | 1   |        |         |       |         |      |      |    |        |
| Cross electric screwdriver head (#1)        | 1   | Safe   | Quality | Order | Fixture | Hear | Look | Do | Static |

Prepared : Luo.Tian-ye

Issued : IE department



# Standard Operation Procedure

Document No.      disassembly SOP

Station:      22(2/2)

Operation Name:    Remove the Finger print

Ver. : 1.00    Edit date: 2022/12/26

## Step :      With Fingerprint SKU

1. Remove the finger print module from the upper shall (figure1)

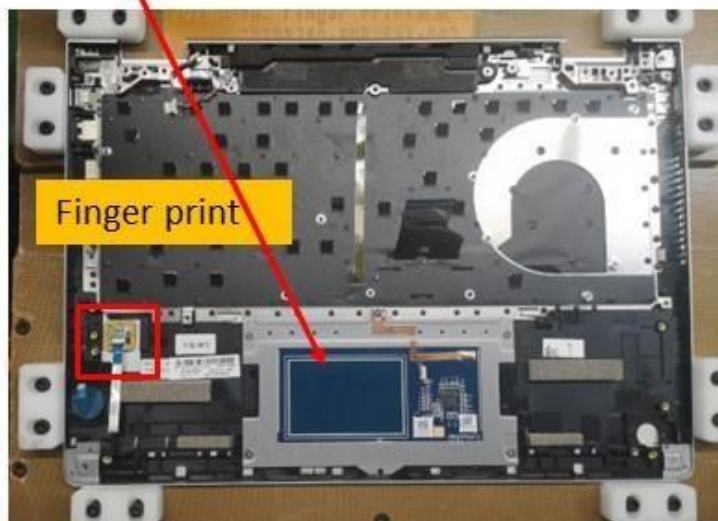
❖ Hold the appearance of finger print module on the top page with your fingers and remove it

2. disassemble FPR FFC on finger print module (figure2)

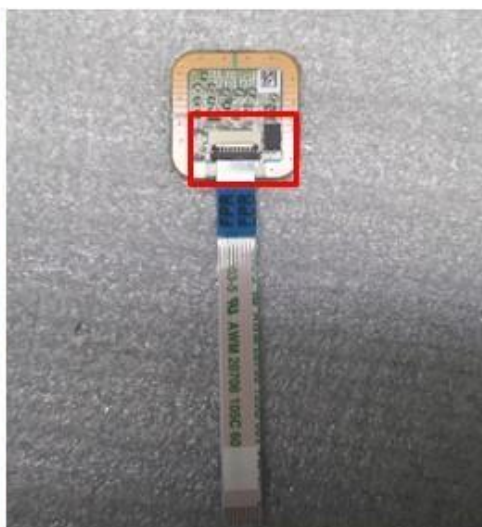
❖ Open the CNTR piano cover before exiting FFC

Touch Pad

Finger print



1



2

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.)                          | Qty | Symbol |         |       |         |      |      |    |        |
|-----------------------------------------------|-----|--------|---------|-------|---------|------|------|----|--------|
| Fingerprint vacuum suction assembly fixture 1 |     |        |         |       |         |      |      |    |        |
| Cross electric screwdriver head (#1)          | 1   | Safe   | Quality | Order | Fixture | Hear | Look | Do | Static |

Prepared : Luo.Tian-ye

Issued : IE department



# Standard Operation Procedure

Document No.      disassembly SOP

Station:      1

Operation Name : Disassemble bonding

Ver. : 1.00    Edit date :2022/12/26

1. Heat the LCM module glass on the oven (figure 1)
  - ❖ Oven temperature :80+/-5°
  - ❖ Heating time :9+/-1 min
2. Remove the LCM module from the a cover and the panel slot to separate the glue ( figure 2)



figure 1

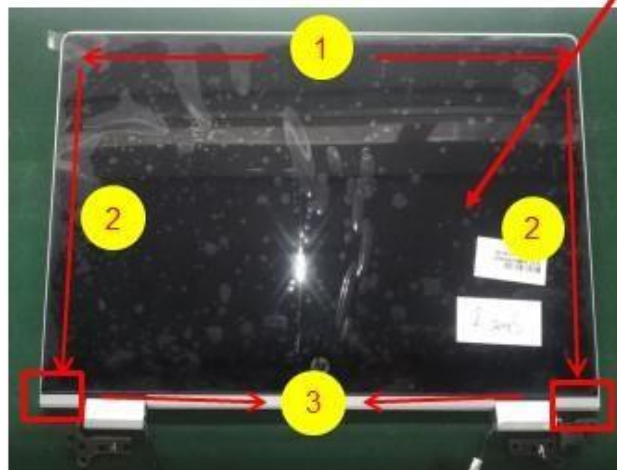


figure 2

LCD Panel

Panel

A Cover

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.)    | Qty | Symbol |             |       |             |      |      |    |        |
|-------------------------|-----|--------|-------------|-------|-------------|------|------|----|--------|
| oven<br>disassembly bar | 1   |        |             |       |             |      |      |    |        |
|                         | 1   | Safe   | Qual<br>ity | Order | Fixtur<br>e | Hear | Look | Do | Static |

Prepared : Luo.Tian-ye

Issued : IE department



# Standard Operation Procedure

Document No.      disassembly SOP

Station:      2

Operation Name : Disassemble CNTR

Ver. : 1.00    Edit date 2022/12/26

1. Separate A cover with the panel module (figure 1)

2. Disassemble the Panel CNTR & EDP CNTR & ALS FFC CNTR (figure 2)

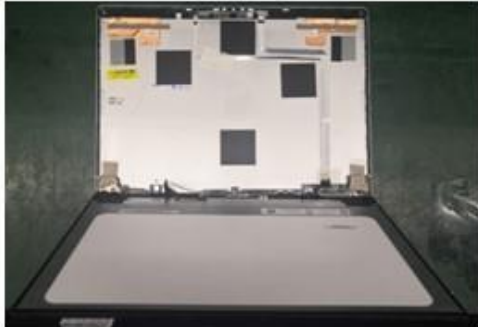


figure 1

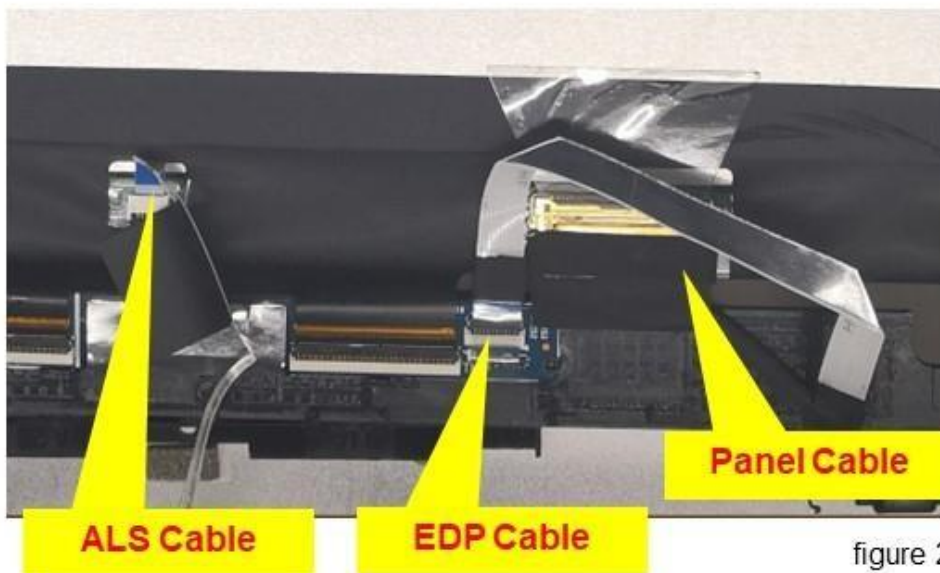


figure 2

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.) | Qty | Symbol |             |       |             |      |      |    |        |
|----------------------|-----|--------|-------------|-------|-------------|------|------|----|--------|
|                      |     |        |             |       |             |      |      |    |        |
|                      |     | Safe   | Qual<br>ity | Order | Fixtur<br>e | Hear | Look | Do | Static |

Prepared : Luo.Tian-ye

Issued : IE department



# Standard Operation Procedure

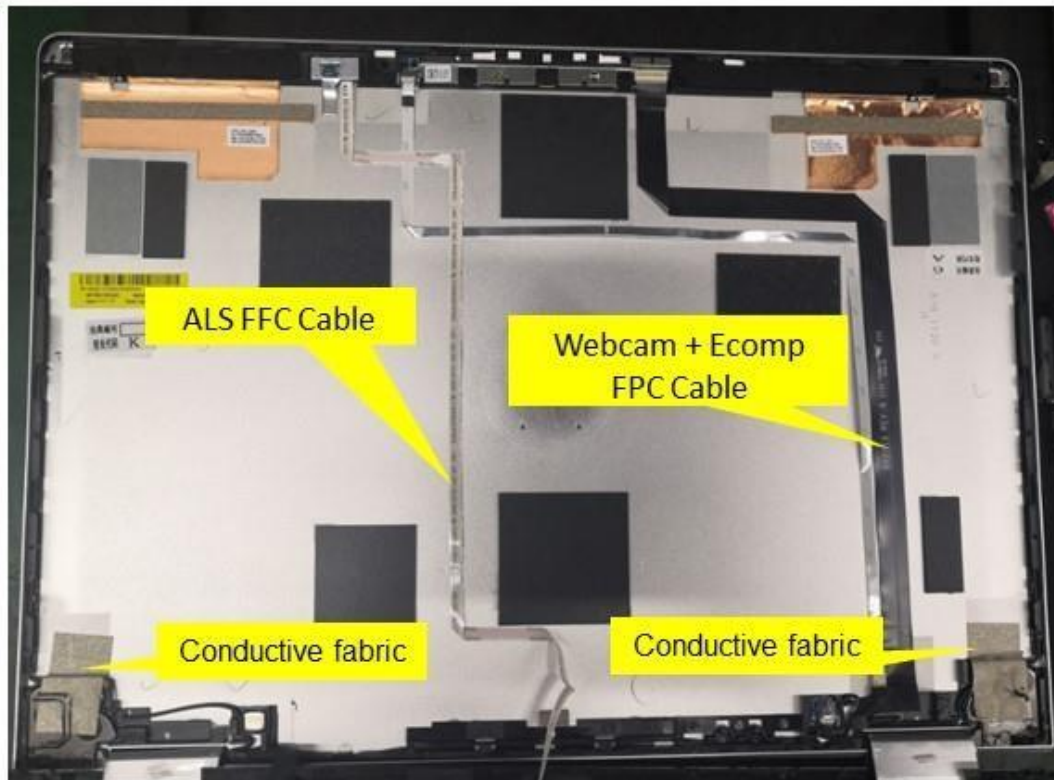
Document No.      disassembly SOP

Station:      3

Operation Name : Disassemble Cable

Ver. : 1.00    Edit date :2022/12/26

1. Disassemble the Webcam + Ecomp FPC Cable
2. Disassemble the ALS FFC Cable
3. Disassemble the conductive cloth 2pcs



Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.) | Qty | Symbol |             |       |             |      |      |    |        |
|----------------------|-----|--------|-------------|-------|-------------|------|------|----|--------|
|                      |     |        |             |       |             |      |      |    |        |
|                      |     | Safe   | Qual<br>ity | Order | Fixtur<br>e | Hear | Look | Do | Static |

Prepared : Luo.Tian-ye

Issued : IE department



# Standard Operation Procedure

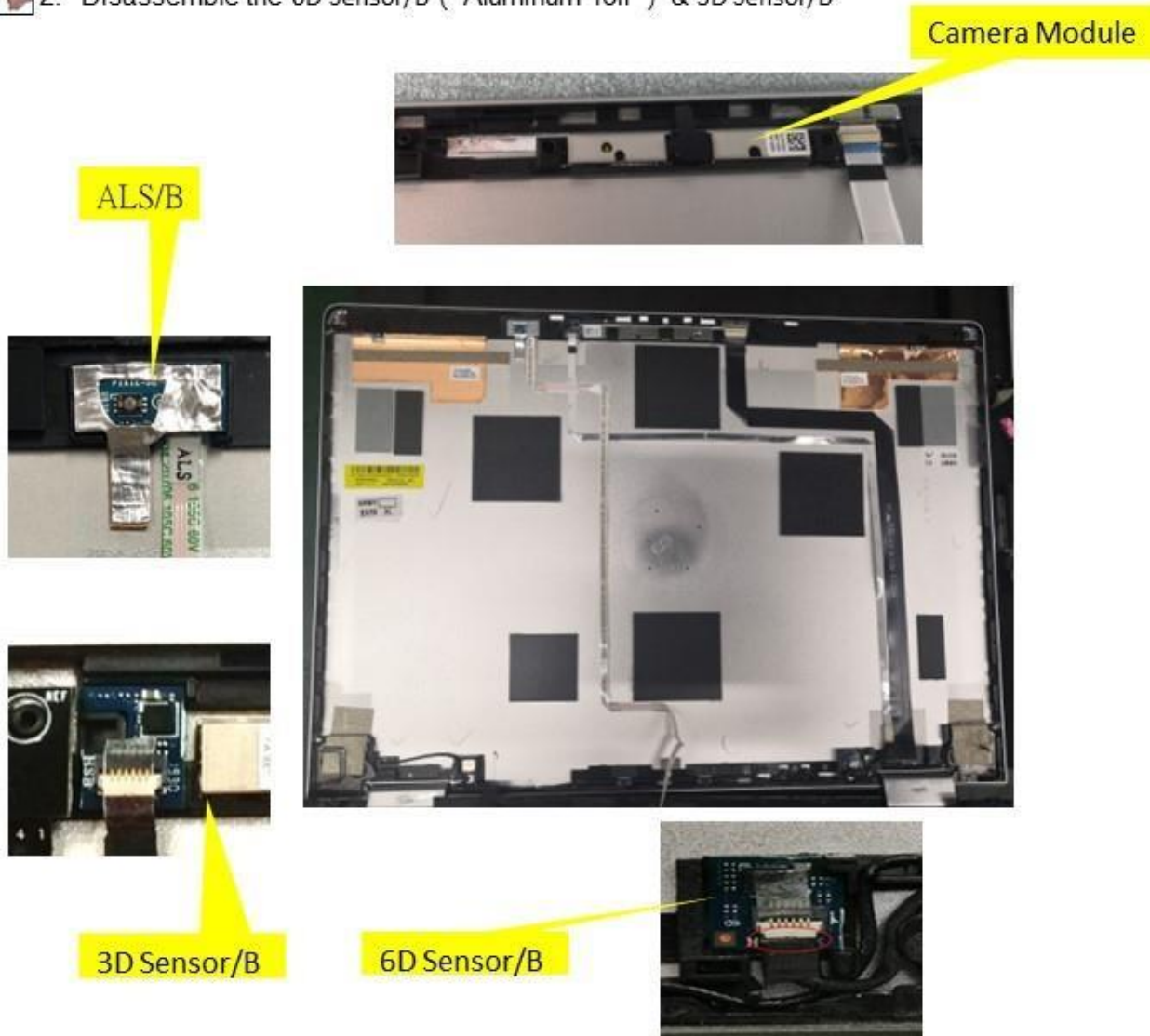
Document No.      disassembly SOP

Station:      4

Operation Name : Disassemble Board

Ver. : 1.00    Edit date :2022/12/26

1. Disassemble the Camera Module & ALS/B
2. Disassemble the 6D Sensor/B ( Aluminum foil ) & 3D Sensor/B



Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.) | Qty | Symbol |             |       |             |      |      |    |        |
|----------------------|-----|--------|-------------|-------|-------------|------|------|----|--------|
|                      |     |        |             |       |             |      |      |    |        |
|                      |     | Safe   | Qual<br>ity | Order | Fixtur<br>e | Hear | Look | Do | Static |

Prepared : Luo.Tian-ye

Issued : IE department



# Standard Operation Procedure

Document No.      disassembly SOP

Station:      5

Operation Name : Disassemble Rubber & Antenna

Ver. : 1.00    Edit date :2022/12/26

 1. Disassemble the Rubber Right & Left

 2. Disassemble the Antenna Right & Left

Left Rubber

Right Rubber



Left Antenna

Right Antenna

Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (Spec.) | Qty | Symbol                                                                              |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|----------------------|-----|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|                      |     |  |  |  |  |  |  |  |  |
|                      |     | Safe                                                                                | Qual<br>ity                                                                         | Order                                                                                | Fixtur<br>e                                                                           | Hear                                                                                  | Look                                                                                  | Do                                                                                    | Static                                                                                |

Prepared : Luo.Tian-ye

Issued : IE department



# Standard Operation Procedure

Document No.      disassembly SOP

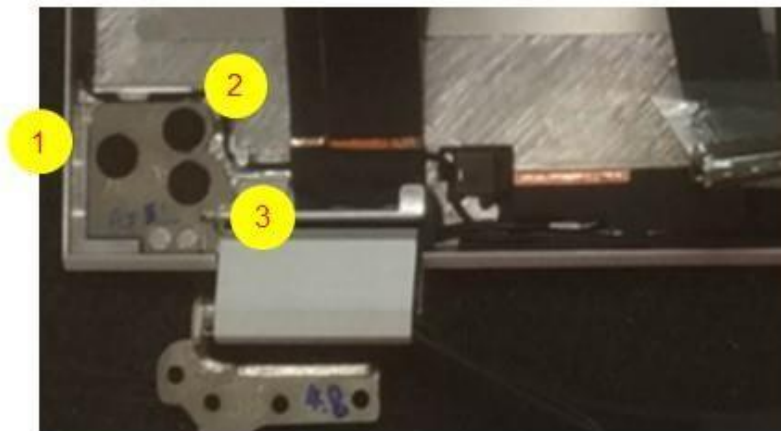
Station:      6

Operation Name : Disassemble screws

Ver. : 1.00    Edit date : 2022/12/26

1. Loose hinge screw 6pcs

❖ torsion :  $3 \pm 0.2$  Kgf · cm



Notice: Please inform production line leader or master if you found any abnormal.

| Fixture list (\$pec.) | Qty | Symbol |             |       |             |      |      |    |        |
|-----------------------|-----|--------|-------------|-------|-------------|------|------|----|--------|
| screw driver #1       | 1   |        |             |       |             |      |      |    |        |
|                       |     | Safe   | Qual<br>ity | Order | Fixtur<br>e | Hear | Look | Do | Static |

Prepared : Luo.Tian-ye

Issued : IE department

