



## Product End-of-Life Disassembly Instructions

**Product Category:** Notebooks and Tablet PCs

### Marketing Name / Model

[List multiple models if applicable.]

HP ZBook Fury 16 G11 Mobile Workstation PC

HP ZBook Fury 16 G11

HSN-I56C

**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 checked="" type="checkbox"/> Wireless WAN module (WWAN) PCB<br><input checked="" type="checkbox"/> Touch module PCB<br><input checked="" type="checkbox"/> Power supply PCB<br><input type="checkbox"/> External Keyboard (KB)<br><input type="checkbox"/> External Mouse<br><input checked="" type="checkbox"/> Others: (1)DDR, (2)SD PCB, (3)Smart card PCB, (4)Hub Top PCB, (5)Graphics Card PCB, (6)Network interface card, (7)RGB KB PCB, (8)G-sensor PCB, (9) HUB_DISP_PCB. (Total 9 pcs) | 14                                    |
| Batteries, excluding Li-Ion batteries. This includes standard alkaline, coin or button style batteries                                               | <input checked="" type="checkbox"/> RTC/CMOS battery<br><input type="checkbox"/> Others: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 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.) | Li-ion 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                                     |

| Item Description                                                                                                                                                                       | Components and parts requiring selective treatments                                                                                                | Quantity of items included in product |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| 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                                     |
| Capacitors / condensers (Containing PCB/PCT)                                                                                                                                           |                                                                                                                                                    | 0                                     |
| Electrolytic Capacitors / Condensers measuring greater than 2.5 cm in diameter or height                                                                                               | <input type="checkbox"/> Power Supply capacitor(s) or condenser(s)                                                                                 | 0                                     |
| External electrical cables and cords                                                                                                                                                   | <input checked="" type="checkbox"/> AC power cord<br><input type="checkbox"/> Audio, video or data cables<br><input type="checkbox"/> Other: _____ |                                       |
| 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 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) |
|------------------|---------------------------|
| Screwdriver      | #1                        |
| Cable jin        | N/A                       |
| Thickness jin    | N/A                       |
| Hair dryer       | N/A                       |
| Tweezer          | N/A                       |

## 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

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Template Revision **D**

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- 3.2 Location of components requiring selective treatment. The photos and/or graphics below identify the location of the parts or components requiring selective treatment within the main unit. For End-of-Life product disassembly instructions of external accessories including external power supply (EPS), external keyboard (KB) external mouse and external cables and cords, refer to the following URL: [End-of-Life Product Disassembly Instructions \(hp.com\)](http://hp.com)

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## Standard operation guideline

Sub-assembly name: \ FAASSY SOP

Station : 2(1/1)

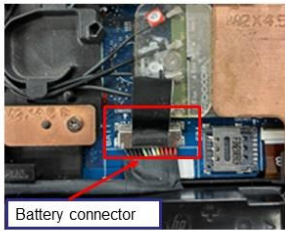
Operation name: Remove battery pack

Ver.: 1.0

Date: 2022/3/17

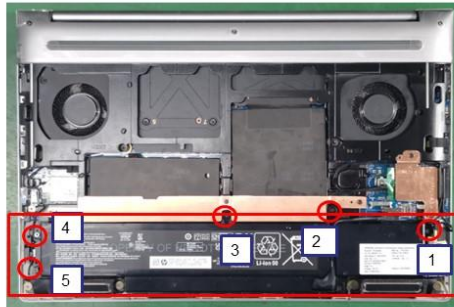
### Step :

1. Remove battery Connector (Photo 1)
  2. Unlock battery screw \*5 (Photo2)
- ❖ Torsion :  $2.0 \pm 0.2 \text{ kgf} \cdot \text{cm}$
- ❖ Note that screw should not slip teeth
- ❖ 1->2->3->4-



Battery connector

Photo1



Battery pack

Photo2

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule)     | Qua | Symbol identifies |     |         |       |          |       |         |
|---------------------------|-----|-------------------|-----|---------|-------|----------|-------|---------|
| Electric screw driver(#1) | 1   |                   |     |         |       |          |       |         |
|                           |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand    |
|                           |     |                   |     |         |       |          |       | Sta tic |

编号 : 3QBMDAP001-F003 版本 : 4 机要等级 : 一般 使用形式 : 纸质档 保存期限 : 最新版本 销毁方式 : 撕毁

## Standard operation guideline

Sub-assembly name: \ FAASSY SOP

Station : 3(1/1)

Operation name: Remove speaker

Ver.: 1.0

Date: 2022/3/17

### Step :

1. Disassemble lock speaker screw \*4 (Photo1)
- ❖ Torsion :  $2.0 \pm 0.2 \text{ kgf} \cdot \text{cm}$
- ❖ Note that screw should not slip teeth
- ❖ Screw : M2\*1.5 (6052B0638301)\*2
- ❖ Speaker rubber don't fall of



Photo1

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule)     | Qua | Symbol identifies |     |         |       |          |       |         |
|---------------------------|-----|-------------------|-----|---------|-------|----------|-------|---------|
| Electric screw driver(#1) | 1   |                   |     |         |       |          |       |         |
|                           |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand    |
|                           |     |                   |     |         |       |          |       | Sta tic |

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## Standard operation guideline

Sub-assembly name: \ FAASSY SOP

Station : 4(1/1)

Operation name: Remove SSD/WWAN Thermal plate Ver.: 1.0 Date: 2022/3/17



Photo1

### Step :

1. Unlock fix SSD /WWAN Thermal plate screw\*5 (Photo1)  
❖ Torsion :  $2.0 \pm 0.2 \text{ kgf} \cdot \text{cm}$   
❖ Note that screw should not slip teeth
2. Remove SSD /WWAN Thermal plate \ WWAN card PC from machine ( Photo2 )

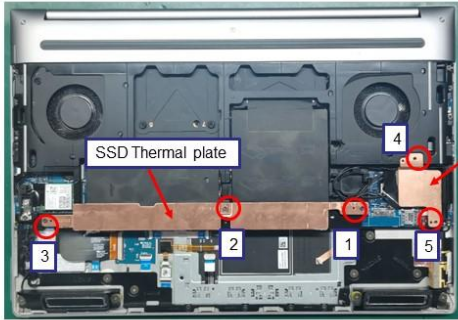


Photo2

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule)     | Qua | Symbol identifies |     |         |       |          |       |         |
|---------------------------|-----|-------------------|-----|---------|-------|----------|-------|---------|
| Electric screw driver(#1) | 1   |                   |     |         |       |          |       |         |
|                           |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand    |
|                           |     |                   |     |         |       |          |       | Sta tic |

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## Standard operation guideline

Sub-assembly name: \ FAASSY SOP

Station : 5(1/1)

Operation name: Remove WWAN Antenna Ver.: 1.0 Date: 2022/3/17

### Step :

1. Remove WWAN antenna(Photol)

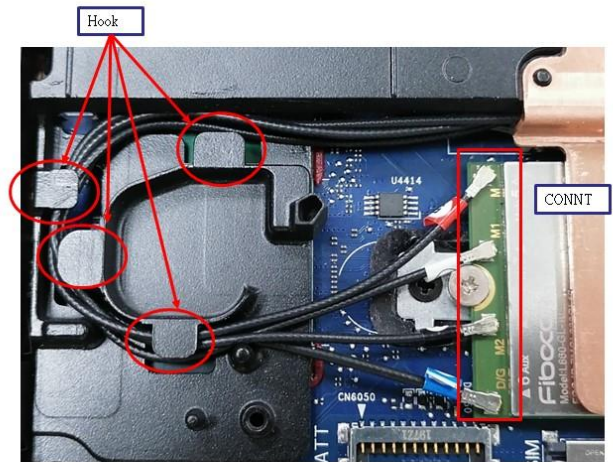


Photo1

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule) | Qua | Symbol identifies |     |         |       |          |       |         |
|-----------------------|-----|-------------------|-----|---------|-------|----------|-------|---------|
|                       |     |                   |     |         |       |          |       |         |
|                       |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand    |
|                       |     |                   |     |         |       |          |       | Sta tic |

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## Standard operation guideline

Sub-assembly name: \ FAASSY SOP  
 Operation name: Remove WWAN antenna(7) and Wireless Module PCA  
 Station: 6(1/1)  
 Ver.: 1.00 Date: 2022/3/14

### Step :

1. Remove antenna (7) (Photo1)



WWAN Card  
(Wireless Module PCA)

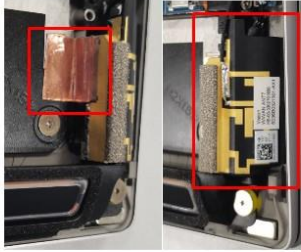


photo1

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule) | Qua | Symbol identifies |     |         |       |          |       |      |
|-----------------------|-----|-------------------|-----|---------|-------|----------|-------|------|
|                       |     |                   |     |         |       |          |       |      |
|                       |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand |

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## Standard operation guideline

Sub-assembly name: \ FAASSY SOP  
 Operation name: Disassemble Speaker L  
 Station: 7(1/1)  
 Ver.: 1.0 Date: 2022/3/17

### Step :

1. Disassemble speaker cable from connector , remover speaker-L (Photo1)

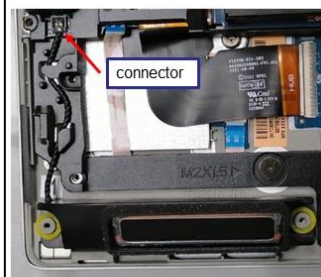


Photo1

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule) | Qua | Symbol identifies |     |         |       |          |       |      |
|-----------------------|-----|-------------------|-----|---------|-------|----------|-------|------|
|                       |     |                   |     |         |       |          |       |      |
|                       |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand |

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## Standard operation guideline

Sub-assembly name: \ FAASSY SOP  
 Operation name: Remove Speaker R Ver.: 1.0 Date: 2022/3/17 Station: 8(1/1)

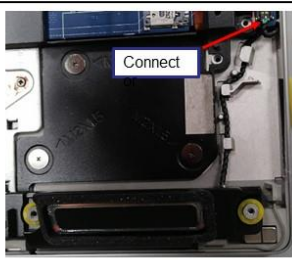


Photo1

### Step :

1. Disassemble speaker cable from connector , remover speaker-R (Photo1)

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule) | Qua | Symbol identifies |     |         |       |          |       |      |
|-----------------------|-----|-------------------|-----|---------|-------|----------|-------|------|
|                       |     |                   |     |         |       |          |       |      |
|                       |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand |

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## Standard operation guideline

Sub-assembly name: \ FAASSY SOP  
 Operation name: Remove WLAN Antenna(1+2) and Network Interface Card Ver.: 1.0 Date: 2022/3/17 Station: 9(1/1)



Photo1

### Step :

1. Remove WLAN card PC (Photo1)
2. Remove WLAN antenna from WLAN Card connector(Photo2)

WLAN Card  
 (Network interface Card)



Photo2

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule) | Qua | Symbol identifies |     |         |       |          |       |      |
|-----------------------|-----|-------------------|-----|---------|-------|----------|-------|------|
|                       |     |                   |     |         |       |          |       |      |
|                       |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand |

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## Standard operation guideline

Sub-assembly name: \ FAASSY SOP

Station : 10(1/1)

Operation name: Unlock D Frame screw -5

Ver.: 1.0

Date: 2022/3/17

### Step :

1. Unlock fix D frame screw  
2\*1.5(6052B0638301)\*5 (Photo1)  
❖ Torsion :  $1.0 \pm 0.2 \text{ kgf} \cdot \text{cm}$   
❖ Note that screw should not slip teeth

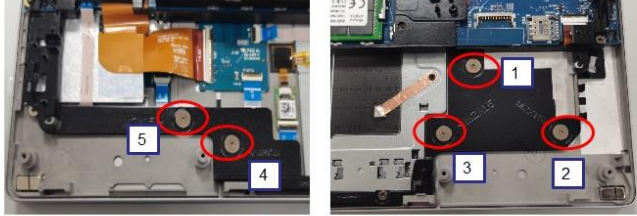


Photo1

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule)     | Qua | Symbol identifies |     |         |       |          |       |      |
|---------------------------|-----|-------------------|-----|---------|-------|----------|-------|------|
| Electric screw driver(#1) | 1   |                   |     |         |       |          |       |      |
|                           |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand |

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## Standard operation guideline

Sub-assembly name: \ FAASSY SOP

Station : 11(1/1)

Operation name: Disassemble DDR shielding

Ver.: 1.0

Date: 2022/3/17

### Step :

1. Remove DDR shielding can (Photo1/2)



Photo1



Photo2

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule) | Qua | Symbol identifies |     |         |       |          |       |      |
|-----------------------|-----|-------------------|-----|---------|-------|----------|-------|------|
|                       |     |                   |     |         |       |          |       |      |
|                       |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand |

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## Standard operation guideline

Sub-assembly name: \ FAASSY SOP

Station : 12(1/1)

Operation name: Unlock D Frame screw-7

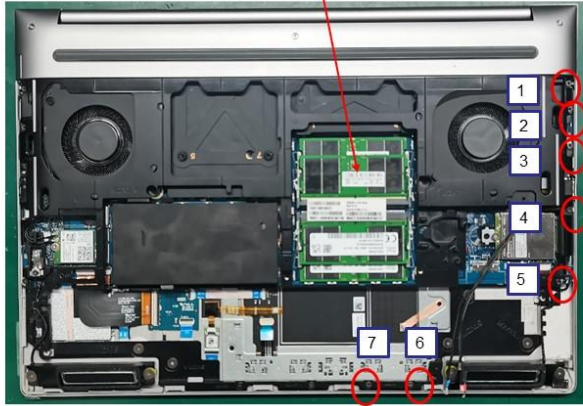
Ver.: 1.0

Date: 2022/3/17

### Step :

1. Unlock D-Frame screw  
M2\*4.5(6052B0118301)\*7 (Photo1)  
❖ Torsion :  $2.0 \pm 0.2 \text{ kgf} \cdot \text{cm}$   
❖ Note that screw should not slip teeth

DDR (RAM)



图一

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule)     | Qua | Symbol identifies |     |         |       |          |       |         |
|---------------------------|-----|-------------------|-----|---------|-------|----------|-------|---------|
| Electric screw driver(#1) | 1   |                   |     |         |       |          |       |         |
|                           |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand    |
|                           |     |                   |     |         |       |          |       | Sta tic |

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## Standard operation guideline

Sub-assembly name: \ FAASSY SOP

Station : 13(1/1)

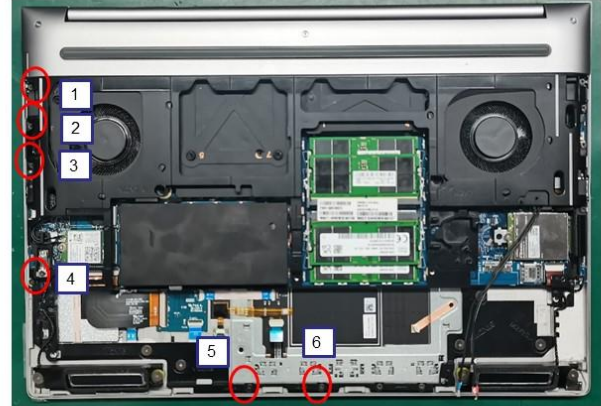
Operation name: Unlock D Frame screw-6

Ver.: 1.0

Date: 2022/3/17

### Step :

1. Unlock D-Frame screw  
M2\*4.5(6052B0118301)\*6 (Photo1)  
❖ Torsion :  $2.0 \pm 0.2 \text{ kgf} \cdot \text{cm}$   
❖ Note that screw should not slip teeth



图一

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule)     | Qua | Symbol identifies |     |         |       |          |       |         |
|---------------------------|-----|-------------------|-----|---------|-------|----------|-------|---------|
| Electric screw driver(#1) | 1   |                   |     |         |       |          |       |         |
|                           |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand    |
|                           |     |                   |     |         |       |          |       | Sta tic |

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## Standard operation guideline

Sub-assembly name: \ FAASSY SOP

Station : 14(1/1)

Operation name : Unlock D frame screw-2

Ver. : 1.0

Date : 2022/3/17

### Step :

1. Unlock D frame screw  
M2\*7(6052B0103801)\*2(Photo1)  
❖ Torsion :  $2.0 \pm 0.2 \text{ kgf} \cdot \text{cm}$   
❖ Note that screw should not slip teeth
2. Remove D frame(Photo1)

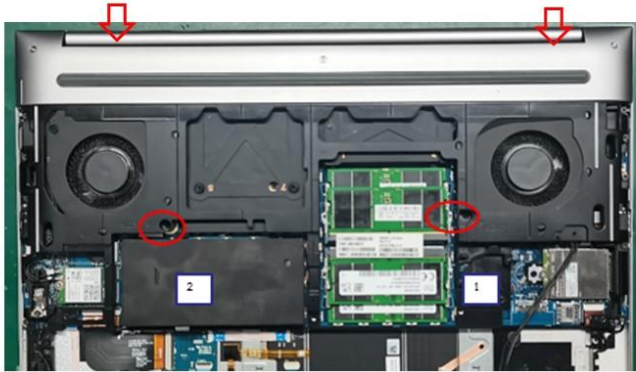


Photo1

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule)     | Qua | Symbol identifies |     |         |       |          |       |      |         |
|---------------------------|-----|-------------------|-----|---------|-------|----------|-------|------|---------|
| Electric screw driver(#1) | 1   |                   |     |         |       |          |       |      |         |
|                           |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand | Sta tic |

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## Standard operation guideline

Sub-assembly name: \ FAASSY SOP

Station : 15(1/1)

Operation name : disassemble RJ45

Ver. : 1.0

Date : 2022/3/17

### Step :

1. Unlock fixed RJ-45 screw  
M2\*4.5(6052B0118301)\*2 (Photo1)  
❖ Torsion :  $2.0 \pm 0.2 \text{ kgf} \cdot \text{cm}$   
❖ Note that screw should not slip teeth
2. Remove RJ45 、Shrapnel (Photo2)

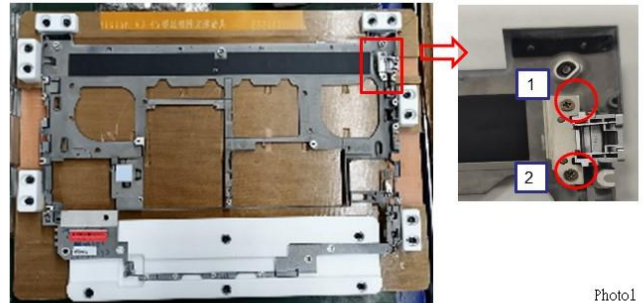


Photo1

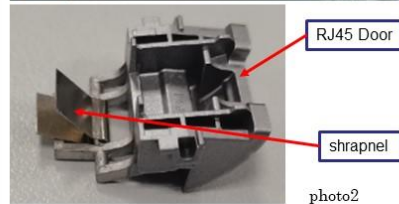


photo2

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule)     | Qua | Symbol identifies |     |         |       |          |       |      |         |
|---------------------------|-----|-------------------|-----|---------|-------|----------|-------|------|---------|
| Electric screw driver(#1) | 1   |                   |     |         |       |          |       |      |         |
|                           |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand | Sta tic |

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## Standard operation guideline

Sub-assembly name: \ FAASSY SOP Station : 16(1/1)  
 Operation name: Disassemble EDP/Antenna cable Ver.: 1.0 Date: 2022/3/17

### Step :

1. Open the connector latch , Remove EDP/Antenna cable (Photo1)

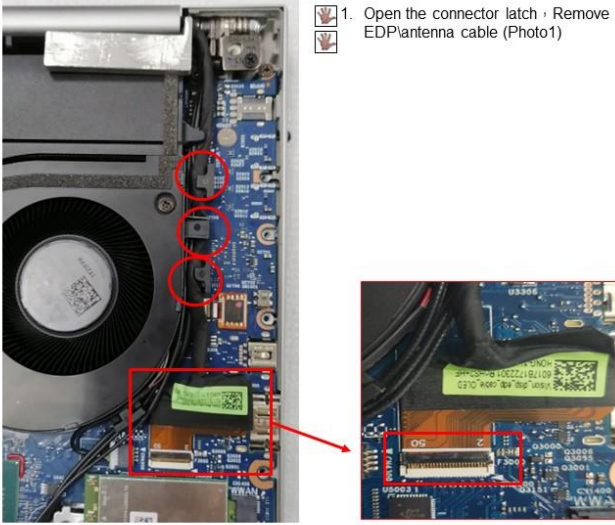


Photo1

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule) | Qua | Symbol identifies |     |         |       |          |       |      |
|-----------------------|-----|-------------------|-----|---------|-------|----------|-------|------|
|                       |     |                   |     |         |       |          |       |      |
|                       |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand |

编号 : 3QBMDAP001-F003 版本 : 4 机要等级 : 一般 使用形式 : 纸质档 保存期限 : 最新版本 销毁方式 : 撕毁

## Standard operation guideline

Sub-assembly name: \ FAASSY SOP Station : 17(1/1)  
 Operation name: Disassemble HUB/Antenna cable Ver.: 1.0 Date: 2022/3/17

### Step :

1. Open the connector latch , Remove HUB/Antenna cable (Photo1)

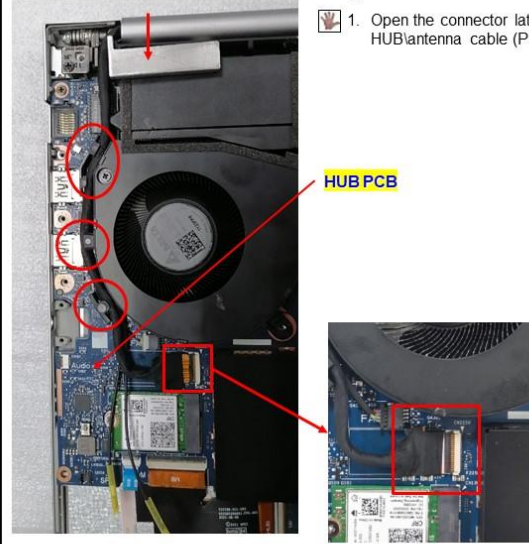


Photo1

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule) | Qua | Symbol identifies |     |         |       |          |       |      |
|-----------------------|-----|-------------------|-----|---------|-------|----------|-------|------|
|                       |     |                   |     |         |       |          |       |      |
|                       |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand |

编号 : 3QBMDAP001-F003 版本 : 4 机要等级 : 一般 使用形式 : 纸质档 保存期限 : 最新版本 销毁方式 : 撕毁

## Standard operation guideline

Sub-assembly name: \ FAASSY SOP

Station : 18(1/1)

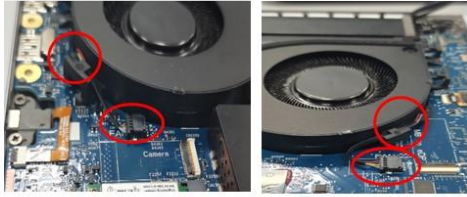
Operation name : Disassemble Fan-L/R

Ver. : 1.0

Date : 2022/3/17

### Step :

1. Unlock fixed FAN L/R screw (Photo1)  
Disassemble speaker cable from MB connector  
, remove fan L/R (Photo1)  
❖ Torsion :  $2.0 \pm 0.2 \text{ kgf} \cdot \text{cm}$   
❖ Note that screw should not slip teeth



Speaker cable理线要进Fan卡勾

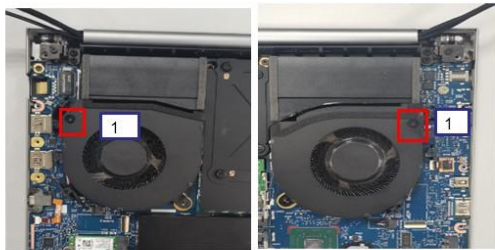


photo1

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule)     | Qua | Symbol identifies |     |         |       |          |       |      |         |
|---------------------------|-----|-------------------|-----|---------|-------|----------|-------|------|---------|
| Electric screw driver(#1) | 1   |                   |     |         |       |          |       |      |         |
|                           |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand | Sta tic |

编号 : 3QBMDAP001-F003 版本 : 4 机要等级 : 一般 使用形式 : 纸质档 保存期限 : 最新版本 销毁方式 : 撕毁

## Standard operation guideline



Sub-assembly name: \ FAASSY SOP

Station : 19(1/1)

Operation name : Disassemble Thermal + LCM/TOP

Ver. : 1.0

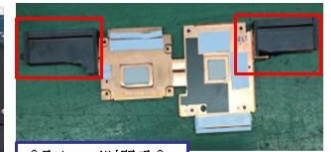
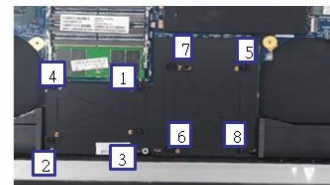
Date : 2022/3/17

### Step :

1. Unlock fixed thermal screw\*8(Photo1)  
❖ Torsion :  $1.5 \pm 0.2 \text{ kgf} \cdot \text{cm}$   
❖ UMA lock 1-4 screw + DIS lock 1-8 screw
2. Unlock fixed Hinge up screw\*6 (Photo2)  
❖ Torsion :  $3.5 \pm 0.2 \text{ kgf} \cdot \text{cm}$   
❖ Note that screw should not slip teeth
3. Separate LCM and TOP Module



Photo1



拿取thermal时双手拿  
取左右两端

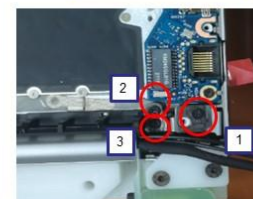
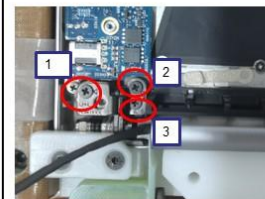


Photo2

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule)     | Qua | Symbol identifies |     |         |       |          |       |      |         |
|---------------------------|-----|-------------------|-----|---------|-------|----------|-------|------|---------|
| Electric screw driver(#1) | 1   |                   |     |         |       |          |       |      |         |
|                           |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand | Sta tic |

编号 : 3QBMDAP001-F003 版本 : 4 机要等级 : 一般 使用形式 : 纸质档 保存期限 : 最新版本 销毁方式 : 撕毁

## Standard operation guideline

Sub-assembly name: \ FAASSY SOP

Station : 20(1/1)

Operation name: Remove DDR

Ver.: 1.0

Date : 2022/3/17

### Step :

1. Remove DIMM1/DIMM3/DIMM4/DIMM2 from DDR Connector
2. Remove thermal pad\*2 (Photo1)



Near CPU  
Up : DIMM 1 Down : DIMM 3  
Near battery  
Up : DIMM 4 Down : DIMM 2



DIMM1/2/3/4



DIMM2



DIMM1

Photo1

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule) | Qua | Symbol identifies |     |         |       |          |       |         |
|-----------------------|-----|-------------------|-----|---------|-------|----------|-------|---------|
|                       |     |                   |     |         |       |          |       |         |
|                       |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand    |
|                       |     |                   |     |         |       |          |       | Sta tic |

编号: 3QBMDAP001-F003 版本: 4 机要等级: 一般 使用形式: 纸质档 保存期限: 最新版本 销毁方式: 撕毁

## Standard operation guideline

Sub-assembly name: \ FAASSY SOP

Station : 21(1/1)

Operation name: Disassemble SSD housing/SSD

Ver.: 1.0

Date : 2022/3/17

### Step :

1. Remove SSD housing(Photol)
2. Unlock fixed SSD screw  
M2\*2(6052B0156201)\*4 (Photo2)  
❖ Torsion :  $1.5 \pm 0.2 \text{ kgf} \cdot \text{cm}$   
❖ Note that screw should not slip teeth
3. Remove SSD thermal pad\*2 (Photo3)

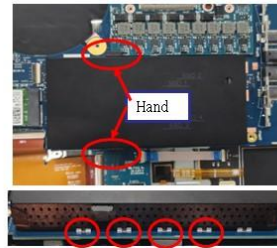


Photo1



Photo2

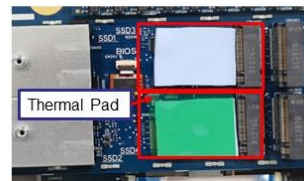


Photo3

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule)     | Qua | Symbol identifies |     |         |       |          |       |         |
|---------------------------|-----|-------------------|-----|---------|-------|----------|-------|---------|
| Electric screw driver(#1) | 1   |                   |     |         |       |          |       |         |
|                           |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand    |
|                           |     |                   |     |         |       |          |       | Sta tic |

编号: 3QBMDAP001-F003 版本: 4 机要等级: 一般 使用形式: 纸质档 保存期限: 最新版本 销毁方式: 撕毁

## Standard operation guideline

Sub-assembly name: \ FAASSY SOP

Station : 22(1/1)

Operation name: Remove WLAN/WWAN Card > FPC Ver.: 1.0 Date: 2022/3/17

### Step :

1. Unlock fixed WLAN \ WWAN screw 2\*2 (6052B0156201)\*2(photo1)  
❖ Torsion :  $1.5 \pm 0.2 \text{ kgf} \cdot \text{cm}$   
❖ Note that screw should not slip teeth
2. Remove WWAN/WLAN Card from MB
3. Open the latch MB audio / smart card/KB HUB /SD connector from MB , Remove FFC/FPC( Photo2)



Photo1

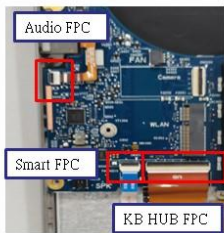


Photo2

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule)     | Qua | Symbol identifies |     |         |       |          |       |         |
|---------------------------|-----|-------------------|-----|---------|-------|----------|-------|---------|
| Electric screw driver(#1) | 1   |                   |     |         |       |          |       |         |
|                           |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand    |
|                           |     |                   |     |         |       |          |       | Sta tic |

编号: 3QBMDAP001-F003 版本: 4 机要等级: 一般 使用形式: 纸质档 保存期限: 最新版本 销毁方式: 撕毁

## Standard operation guideline



Sub-assembly name: \ FAASSY SOP

Station : 23(1/1)

Operation name: Disassemble MB Ver.: 1.0 Date: 2022/3/17

### Step :

1. Unlock fixed MB screw M2\*4.5(6052B0118301)\*11 , Remove MB/GPU Board/Audio from Top case(Photo1)  
❖ Torsion :  $2.0 \pm 0.2 \text{ kgf} \cdot \text{cm}$   
❖ Note that screw should not slip teeth

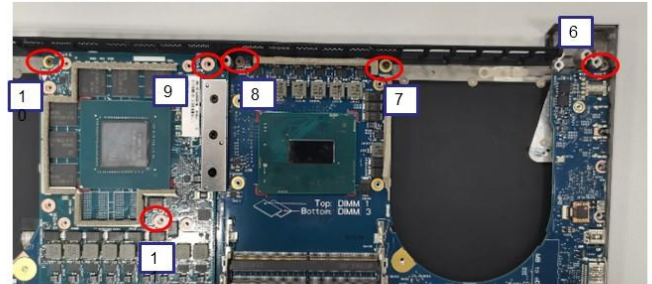
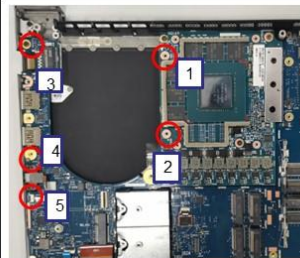


Photo1

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule)     | Qua | Symbol identifies |     |         |       |          |       |         |
|---------------------------|-----|-------------------|-----|---------|-------|----------|-------|---------|
| Electric screw driver(#1) | 1   |                   |     |         |       |          |       |         |
|                           |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand    |
|                           |     |                   |     |         |       |          |       | Sta tic |

编号: 3QBMDAP001-F003 版本: 4 机要等级: 一般 使用形式: 纸质档 保存期限: 最新版本 销毁方式: 撕毁

## Standard operation guideline



Sub-assembly name: \ FAASSY SOP  
Operation name: Disassemble MB/Audio B  
And RTC battery

Station: 24(1/1)  
Ver.: 1.0 Date: 2022/3/17

### Step:

1. Unlock fixed MB screw  
M2\*2(6052B0156201)\*1(Photo2)  
❖ Torsion:  $1.5 \pm 0.2 \text{ kgf} \cdot \text{cm}$   
❖ Note that screw should not slip teeth
2. Remove MB (Photo2)
3. Unlock fixed Audio/B screw \*2, Remove Audio board (Photo1)
4. Remove RTC Battery

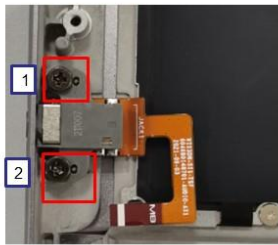


photo1

Photo 2

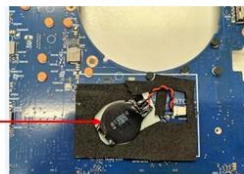


拆螺丝



从左侧拆解MB

RTC Battery



Notice: If any exception, Notify off-line processing

| Tool list (tool rule)     | Qua | Symbol identifies |     |         |       |          |       |      |         |
|---------------------------|-----|-------------------|-----|---------|-------|----------|-------|------|---------|
| Electric screw driver(#1) | 1   |                   |     |         |       |          |       |      |         |
|                           |     | Saf e             | Qua | Or de r | To ol | Li st en | Lo ok | Hand | Sta tic |

编号: 3QBMDAP001-F003 版本: 4 机要等级: 一般 使用形式: 纸质档 保存期限: 最新版本 销毁方式: 撕毁

## Standard operation guideline

Sub-assembly name: \ FAASSY SOP  
Operation name: Disassemble Graphics Card PCBA

Station: 25(1/1)  
Ver.: 1.0 Date: 2022/3/17

### Step:

1. Unlock fixed GPU/B screw M2\*7  
(6052B0103801)\*3 (Photo1)  
❖ Torsion:  $1.5 \pm 0.2 \text{ kgf} \cdot \text{cm}$   
❖ Note that screw should not slip teeth
2. Remove GPU/B, Interposer (Photo2)

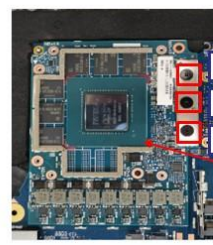


Photo1

GPU



Graphics Card PCBA



Photo2

Notice: If any exception, Notify off-line processing

| Tool list (tool rule)                        | Qua | Symbol identifies |     |         |       |          |       |      |         |
|----------------------------------------------|-----|-------------------|-----|---------|-------|----------|-------|------|---------|
| Electric screw driver(#1)<br>Interposer tool | 1   |                   |     |         |       |          |       |      |         |
|                                              |     | Saf e             | Qua | Or de r | To ol | Li st en | Lo ok | Hand | Sta tic |

编号: 3QBMDAP001-F003 版本: 4 机要等级: 一般 使用形式: 纸质档 保存期限: 最新版本 销毁方式: 撕毁

## Standard operation guideline

Sub-assembly name: \ FAASSY SOP  
 Operation name: Disassemble SD Card/B&Smart card Finger 1.0 Date: 2022/3/17

Station : 26(1/1)

### Step :

1. Unlock fixed SD Card screw  
 M1.6\*2.5(6052B0118001)\*3 (Photo1)  
 ⚠ Torsion :  $1.5 \pm 0.2 \text{ kgf} \cdot \text{cm}$   
 ⚠ Note that screw should not slip teeth
2. Unlock fixed smart card screw  
 M2.0\*2.0 (6052B0156201)\*3, remove  
 Smart car (Photo2)  
 ⚠ Torsion :  $1.5 \pm 0.2 \text{ kgf} \cdot \text{cm}$   
 ⚠ Note that screw should not slip teeth
3. Unlock fixed finger screw M2.0 \* 2  
 (6052B0156201) \*1, Remove finger module  
 (Photo3)  
 ⚠ Torsion :  $1.5 \pm 0.2 \text{ kgf} \cdot \text{cm}$   
 ⚠ Note that screw should not slip teeth

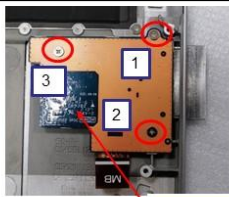


Photo1

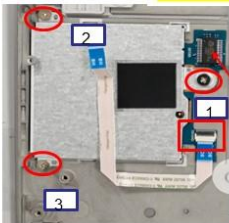


Photo2



Photo3

Notice: If any exception, Notify off-line processing

| Tool list (tool rule)     | Qua | Symbol identifies |     |         |       |          |       |         |
|---------------------------|-----|-------------------|-----|---------|-------|----------|-------|---------|
| Electric screw driver(#1) | 1   |                   |     |         |       |          |       |         |
|                           |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand    |
|                           |     |                   |     |         |       |          |       | Sta tic |

编号: 3QBMDAP001-F003 版本: 4 机要等级: 一般 使用形式: 纸质档 保存期限: 最新版本 销毁方式: 撕毁

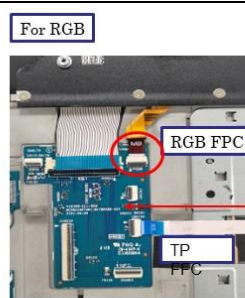
## Standard operation guideline

Sub-assembly name: \ FAASSY SOP  
 Operation name: Remove FFC/FPC Ver: 1.0 Date: 2022/3/17

Station : 27(1/1)

### Step :

1. Open the latch, remove RGB/TP/NFC FFC, FPC (Photo1)



RGB FFC

RGB KB PCBA

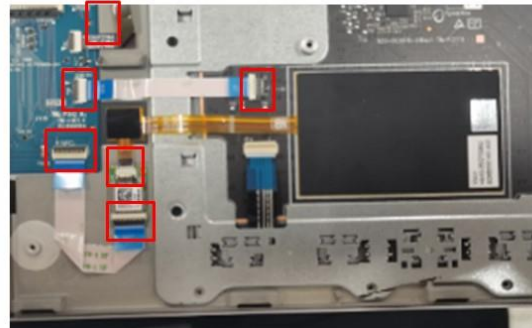


Photo1

Notice: If any exception, Notify off-line processing

| Tool list (tool rule) | Qua | Symbol identifies |     |         |       |          |       |         |
|-----------------------|-----|-------------------|-----|---------|-------|----------|-------|---------|
|                       |     |                   |     |         |       |          |       |         |
|                       |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand    |
|                       |     |                   |     |         |       |          |       | Sta tic |

编号: 3QBMDAP001-F003 版本: 4 机要等级: 一般 使用形式: 纸质档 保存期限: 最新版本 销毁方式: 撕毁

## Standard operation guideline

Sub-assembly name: \ FAASSY SOP Station : 28(1/1)  
 Operation name: Disassemble Touch pad module Ver.: 1.0 Date: 2022/3/17

### Step :

1. Unlock fixed touch pad screw (6052B0508901)\* 8, remove touch pad (Photo1)
- ❖ Torsion :  $1.0 \pm 0.2 \text{ kgf} \cdot \text{cm}$   
 ❖ Note that screw should not slip teeth

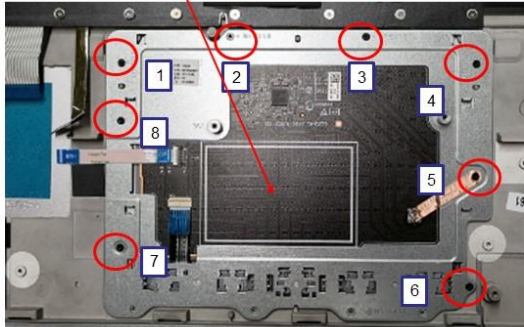


Photo1

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule)     | Qua | Symbol identifies |     |         |       |          |       |              |
|---------------------------|-----|-------------------|-----|---------|-------|----------|-------|--------------|
| Electric screw driver(#1) | 1   |                   |     |         |       |          |       |              |
|                           |     | Saf e             | Qua | Or de r | To ol | Li st en | Lo ok | Hand Sta tic |

编号 : 3QBMDAP001-F003 版本 : 4 机要等级 : 一般 使用形式 : 纸质档 保存期限 : 最新版本 销毁方式 : 撕毁

## Standard operation guideline

Sub-assembly name: \ FAASSY SOP Station : 28(1/1)  
 Operation name: Disassemble Touch pad module Ver.: 1.0 Date: 2022/3/17

### Step :

1. Unlock fixed touch pad screw (6052B0508901)\* 8, remove touch pad (Photo1)
- ❖ Torsion :  $1.0 \pm 0.2 \text{ kgf} \cdot \text{cm}$   
 ❖ Note that screw should not slip teeth

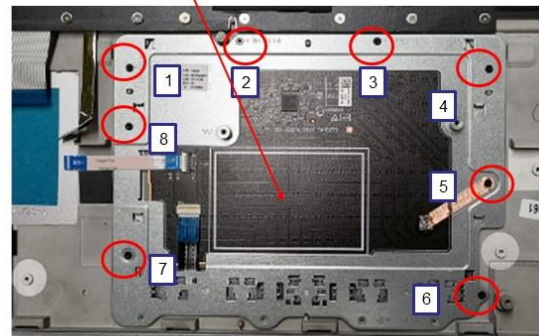


Photo1

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule)     | Qua | Symbol identifies |     |         |       |          |       |              |
|---------------------------|-----|-------------------|-----|---------|-------|----------|-------|--------------|
| Electric screw driver(#1) | 1   |                   |     |         |       |          |       |              |
|                           |     | Saf e             | Qua | Or de r | To ol | Li st en | Lo ok | Hand Sta tic |

编号 : 3QBMDAP001-F003 版本 : 4 机要等级 : 一般 使用形式 : 纸质档 保存期限 : 最新版本 销毁方式 : 撕毁

## Standard operation guideline

Sub-assembly name: \ FAASSY SOP

Station : 30(1/1)

Operation name : Disassemble keyboard

Ver. : 1.0

Date : 2022/3/17

### Step :

1. Unlock fixed keyboard screw (Photo1)
  - ❖ Screw : M1.2\*1.(6052B0435101) 50pcs
  - ❖ Torsion : 0.4~0.6kgf.cm

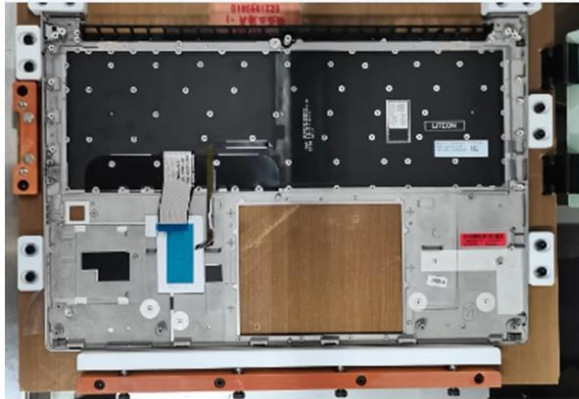


Photo1

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule)     | Qua | Symbol identifies |     |         |       |          |       |      |         |
|---------------------------|-----|-------------------|-----|---------|-------|----------|-------|------|---------|
| Electric screw driver(#0) | 1   |                   |     |         |       |          |       |      |         |
|                           |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand | Sta tic |

编号 : 3QBMDAP001-F003 版本 : 4 机要等级 : 一般 使用形式 : 纸质档 保存期限 : 最新版本 销毁方式 : 撕毁

## Standard operation guideline

Sub-assembly name: \ FAASSY SOP

Station : 31(1/1)

Operation name : Disassemble Hinge cap

Ver. : 1.0

Date : 2022/3/17

### Step :

1. Remove hinge cap (Photo1)
2. Remove tap ( photo2 )

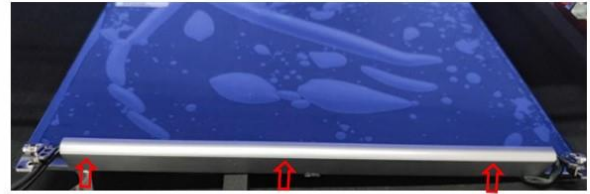


Photo1



Photo2

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule) | Qua | Symbol identifies |     |         |       |          |       |      |         |
|-----------------------|-----|-------------------|-----|---------|-------|----------|-------|------|---------|
|                       |     |                   |     |         |       |          |       |      |         |
|                       |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand | Sta tic |

编号 : 3QBMDAP001-F003 版本 : 4 机要等级 : 一般 使用形式 : 纸质档 保存期限 : 最新版本 销毁方式 : 撕毁

## Standard operation guideline

Sub-assembly name: \ FAASSY SOP

Station : 32(1/1)

Operation name: Disassemble Bezel

Ver.: 1.0

Date: 2022/3/17

### For N-touch

#### Step :

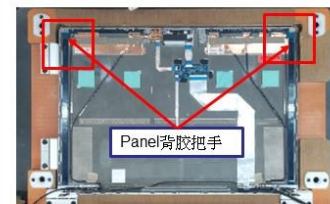
1. Disassemble LCM bezel (Photo1)
2. Pull the adhesive handle to remove the adhesive (Photo2)



LCM



Photo1



Panel背胶把手

Photo2

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule) | Qua | Symbol identifies |     |         |       |          |       |          |
|-----------------------|-----|-------------------|-----|---------|-------|----------|-------|----------|
|                       |     |                   |     |         |       |          |       |          |
|                       |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand     |
|                       |     |                   |     |         |       |          |       | St a tic |

编号: 3QBMDAP001-F003 版本: 4 机要等级: 一般 使用形式: 纸质档 保存期限: 最新版本 销毁方式: 撕毁

## Standard operation guideline

Sub-assembly name: \ FAASSY SOP

Station : 33(1/1)

Operation name: Disassemble Bezel

Ver.: 1.0

Date: 2022/3/17

### For Touch

#### Step :

1. Heat hinge up (Photo1)
  - Temp: 82°C±3°C
  - Time: 10Min
2. Disassemble Hinge up (Photo2)

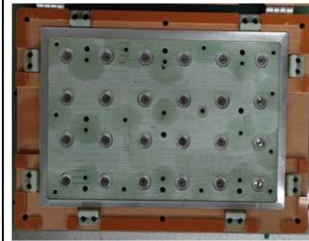


Photo1



Photo2

Notice: If any exception , N0tify off-line processing

| Tool list (tool rule) | Qua | Symbol identifies |     |         |       |          |       |          |
|-----------------------|-----|-------------------|-----|---------|-------|----------|-------|----------|
|                       |     |                   |     |         |       |          |       |          |
| Open bar              |     | Saf e             | Qua | Or de r | To ol | Li st en | Loo k | Hand     |
|                       |     |                   |     |         |       |          |       | St a tic |

编号: 3QBMDAP001-F003 版本: 4 机要等级: 一般 使用形式: 纸质档 保存期限: 最新版本 销毁方式: 撕毁

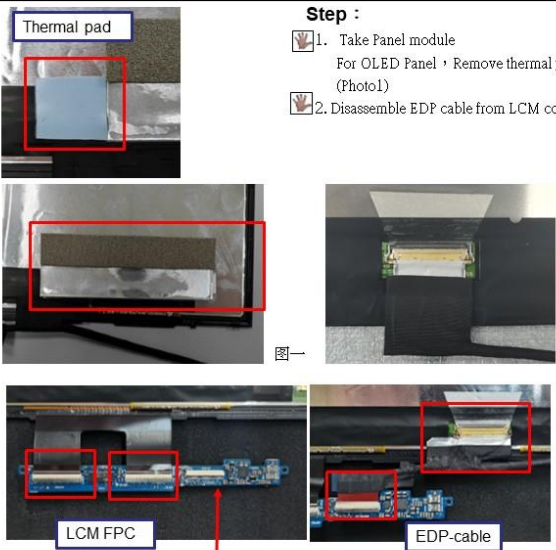
## Standard operation guideline

Sub-assembly name: \ FAASSY SOP  
 Operation name: Disassemble Panel and HUB\_DISP\_PCBA Ver.: 1.0 Date: 2022/3/17

Station: 34(1/1)

**Step:**

1. Take Panel module  
 For OLED Panel, Remove thermal pad, gasket (Photo1)
2. Disassemble EDP cable from LCM connector (Photo1)



Thermal pad

LCM FPC

HUB\_DISP\_PCBA

EDP-cable

图一

Notice: If any exception, N0tify off-line processing

| Tool list (tool rule) | Qua | Symbol identifies |     |    |    |    |    |     |
|-----------------------|-----|-------------------|-----|----|----|----|----|-----|
|                       |     |                   |     |    |    |    |    |     |
|                       |     | Saf               | Qua | Or | To | Li | Lo | Sta |
|                       |     | e                 | a   | d  | ol | st | ok | tic |

编号: 3QBMDAP001-F003 版本: 4 机要等级: 一般 使用形式: 纸质档 保存期限: 最新版本 销毁方式: 撕毁

## Standard operation guideline

Sub-assembly name: \ FAASSY SOP  
 Operation name: Remove G-sensor PCBA, Camera, ALS, FPC, FFC Ver.: 1.0 Date: 2022/3/17

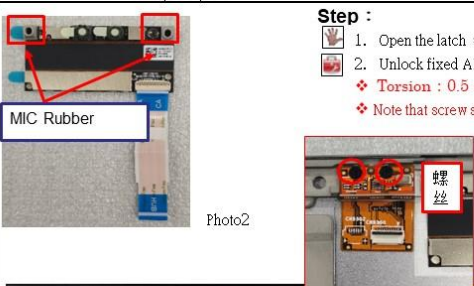
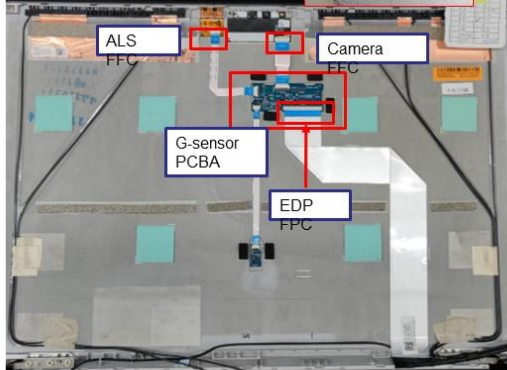
Station: 35(1/1)

**Step:**

1. Open the latch, remove FFC/FFC(photo1)
2. Unlock fixed ALS screw \*2 (Photo2)

❖ Torsion:  $0.5 \pm 0.1 \text{ kgf} \cdot \text{cm}$

❖ Note that screw should not slip teeth

MIC Rubber

Photo2

ALS FFC

Camera FFC

G-sensor PCBA

EDP FPC

Notice: If any exception, N0tify off-line processing

| Tool list (tool rule)     | Qua | Symbol identifies |     |    |    |    |    |     |
|---------------------------|-----|-------------------|-----|----|----|----|----|-----|
| Electric screw driver(#0) | 1   |                   |     |    |    |    |    |     |
|                           |     | Saf               | Qua | Or | To | Li | Lo | Sta |
|                           |     | e                 | a   | d  | ol | st | ok | tic |

编号: 3QBMDAP001-F003 版本: 4 机要等级: 一般 使用形式: 纸质档 保存期限: 最新版本 销毁方式: 撕毁

# Standard operation guideline

Sub-assembly name: \ FAASSY SOP

Station : 36(1/1)

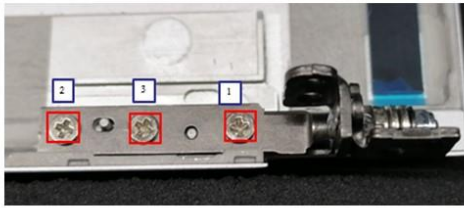
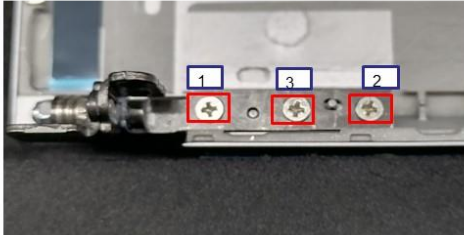
Operation name: Disassemble Hinge

Ver.: 1.0

Date: 2022/3/17

## Step :

1. Unlock fixed hinge screw M2.5\*6  
(6052A0029201) \*6 (Photo1)  
❖ Torsion :  $3.5 \pm 0.2 \text{ kgf} \cdot \text{cm}$   
❖ Note that screw should not slip teeth
2. Remove hinge



图一

Notice: If any exception → Notify off-line processing

| Tool list (tool rule)     | Qua | Symbol identifies |     |               |          |                |          |      |            |
|---------------------------|-----|-------------------|-----|---------------|----------|----------------|----------|------|------------|
| Electric screw driver(#1) | 1   |                   |     |               |          |                |          |      |            |
|                           |     | Saf<br>e          | Qua | Or<br>de<br>r | To<br>ol | Li<br>st<br>en | Loo<br>k | Hand | Sta<br>tic |

编号: 3QBMDAP001-F003 版本: 4 机要等级: 一般 使用形式: 纸质档 保存期限: 最新版本 销毁方式: 撕毁