



Product End-of-Life Disassembly Instructions

Product Category: Mobile WorkStation

Marketing Name / Model

[List multiple models if applicable.]

Name / Model #1 HP ZBook Studio 16 inch G11 Mobile Workstation PC

Name / Model #2 HP ZBook Studio 16 inch G11

Name / Model #3

Name / Model #4

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	☒ Main board (MB) -PCB ☒ Solid state drive (SSD) PCB ☐ Wireless WAN module (WWAN) PCB ☒ External power supply (EPS) PCB ☐ External Keyboard (KB) ☐ External Mouse ☒ Others: (1) Touch panel control board, (2) Motion board (3) Sensor board (4) Touch pad (5) trans board (6) RAM .	9
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: ☒ screws ☒ snaps ☐ adhesive ☐ 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	[x] 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	[] Power Supply capacitor(s) or condenser(s)	0
External electrical cables and cords	[x] AC power cord [] Audio, video or data cables [] 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)
Electric screwdriver (Cross)	#1
Electric screwdriver (Trox)	T8

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. 3

1. Follow steps described in Disassembly instruction (file attached)
2. If parts can be removed without using a tool, remove it first
3. Use correct screwdriver and torque value before unlock the screw

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).



Standard Operation Procedure

Document No. : disassembly SOP

Station: 1(1/1)

Operation Name : Disassembly the rubber foot of Base

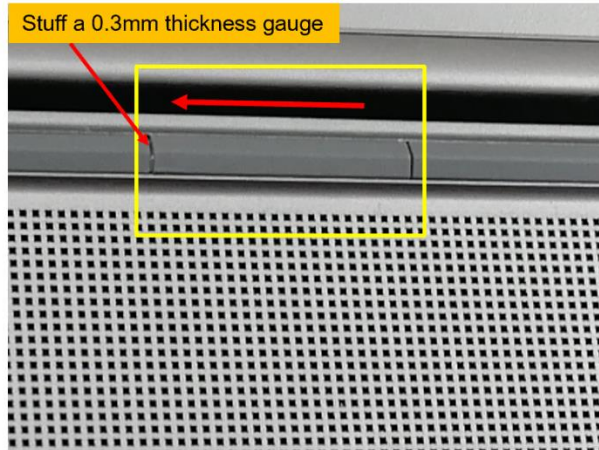
Ver. :0.10

Edit date: 2021/12/15

Step :

1. Stuff a 0.3mm thickness gauge in the left side gap of rubber , Push rubber from right to left to disassemble rubber foot.
❖ Move slowly when removing the rubber foot. Do not pull the rubber too hard, otherwise it will be deformed

Pic.1



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

Fixture list (Spec.)	Qty	Symbol						
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 2(1/1)

Operation Name : Disassembly Base screw

Ver. :0.10

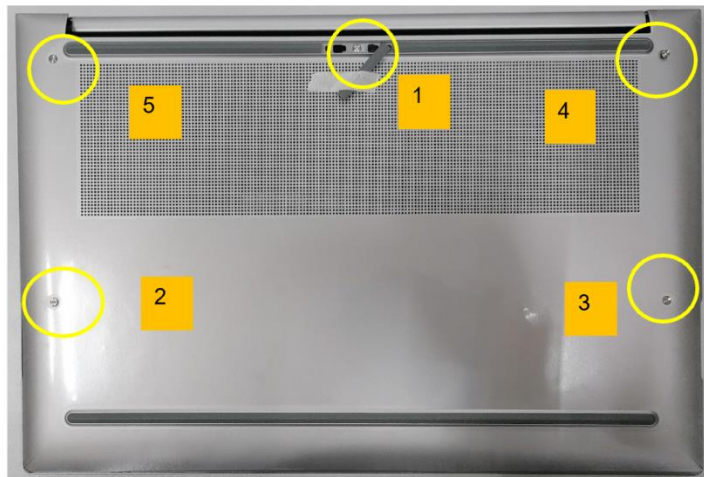
Edit date: 2021/12/15

Step :

1. Loosen Base screw *5pcs as below picture showing.

❖ Torque : 1.5 ± 0.2 kgf.cm

❖ screw can not be slipped.



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

Fixture list (Spec.)	Qty	Symbol						
Electric screwdriver T5	1							
		Safe	Quality	Order	Fixture	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

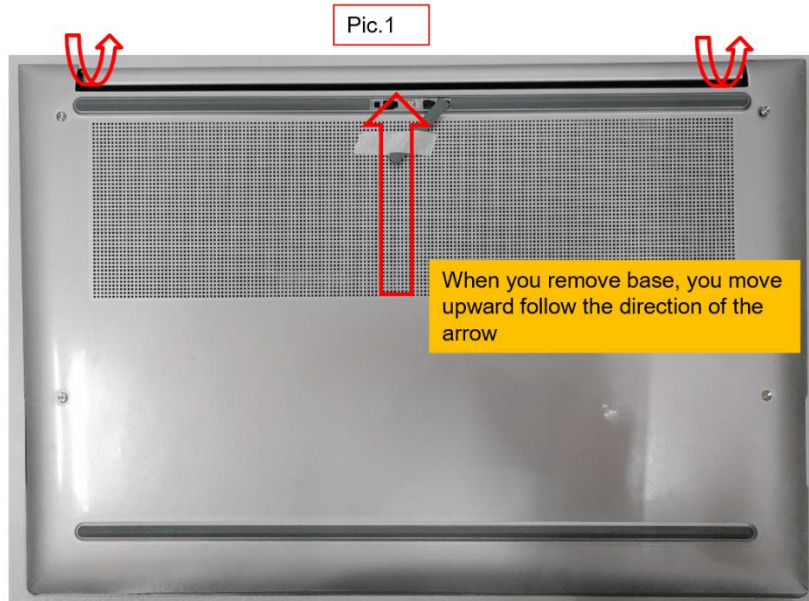
Station: 3(1/1)

Operation Name : Disassembly Base

Ver. :0.10 Edit date: 2021/12/15

Step :

1. Use cable jig to separate Base from unit.
Attention: Insert jig to TOP & Base gap area, then slide jig to separate TOP & Base.
 2. Put hands on Base and TOP corner area, handle Base lift it up while press TOP down.
 3. Take away the Base from unit.
- ❖Torque : When you remove base, you move upward follow the direction of the arrow to ensure the battery hook slip out well



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

Fixture list (Spec.)	Qty	Symbol							
Cable jig	1								
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do	Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 4(1/1)

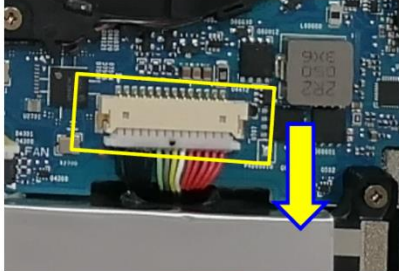
Operation Name : Disassembly SSD

Ver. :0.10 Edit date: 2021/12/15

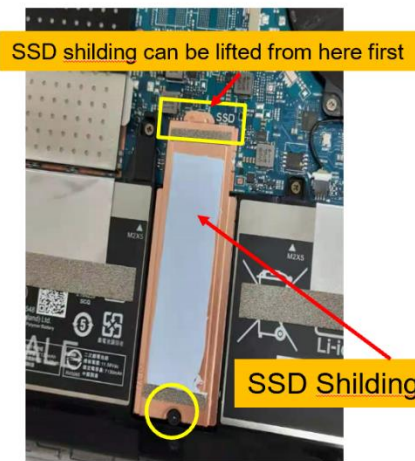
Step :

1. Pullout battery cable from connector as Pic.1
2. Loosen SSD screw*1 PCS as Pic.2
- ❖ Screw specification : M2.0*3.0
- ❖ Torque : 1.5 ± 0.2 Kgf · cm
- ❖ screw can not be slipped.
3. Remove SSD shilding can Top
4. Remove SSD

Pic.1



Pic.2



Pic.3



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

Fixture list (Spec.)	Qty	Symbol						
Electric screwdriver#1	1							
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
							Static	



Standard Operation Procedure

Document No. : disassembly SOP

Station: 5(1/2)

Operation Name : Disassembly Battery

Ver. :0.10 Edit date: 2021/12/15

Step :

1. Loosen Battery screw *7PCS as Pic.1
❖ Torque : $1.5 \pm 0.2 \text{ Kgf} \cdot \text{cm}$
❖ Screw can not be slipped
2. Remove Battery.
3. Remove SSD shielding can Button

Pic.1



Battery

SSD shielding can Button

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

Fixture list (Spec.)	Qty	Symbol						
Electric screwdriver#1	1							
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 6(1/1)

Operation Name : Disassembly Trans FPC

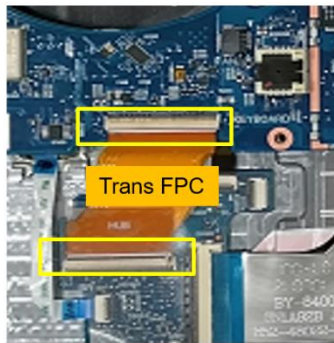
Ver. :0.10 Edit date: 2021/12/15

Step :

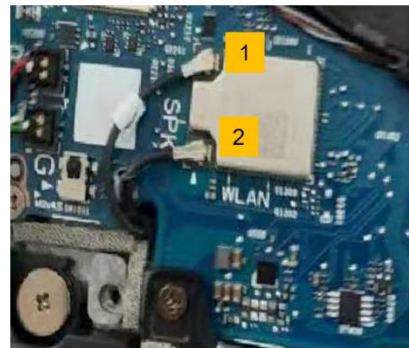
1. Tear off trans board anti short Mylar as Pic.1
2. Remove Trans FPC As Pic.2.
3. Remove the antenna PC chip and unplug the antenna cable terminal as Pic.3.



Pic.1



Pic.2



Pic.3

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

Fixture list (Spec.)	Qty	Symbol						
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

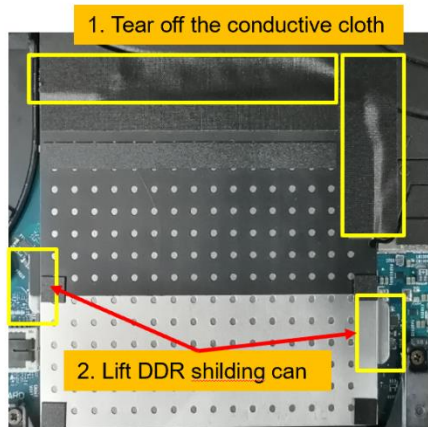
Station: 7(1/1)

Operation Name : Disassembly DDR

Ver. :0.10 Edit date: 2021/12/15

Step :

1. Remove DDR shielding as Pic.1
2. Remove DDR as Pic.2.



Pic.1



Pic. 2

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

Fixture list (Spec.)	Qty	Symbol							
Ionizer	1								
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do	Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 8(1/1)

Operation Name : Disassembly camera cable

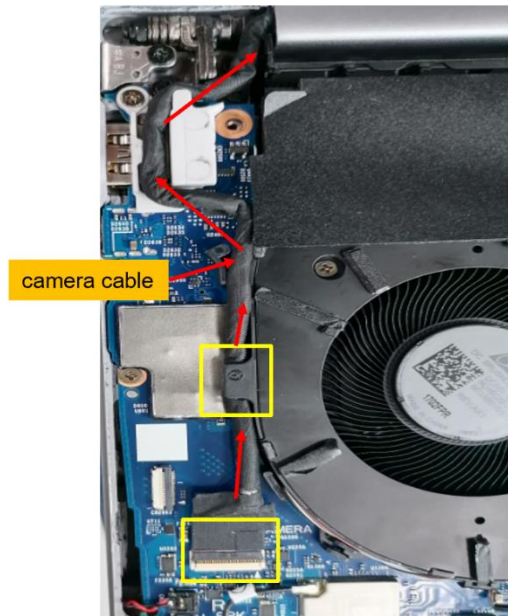
Ver. :0.10

Edit date: 2021/12/15

Step :

1. Disconnect camera cable from MB and follow instructions in the picture to disassembly it

Pic.1



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

Fixture list (Spec.)	Qty	Symbol						
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 9(1/1)

Operation Name : Disassembly Thermal

Ver. :0.10 Edit date: 2021/12/15

Step :

1. Loosen 7 screws from thermal module by the following order in the picture (1~7) and 1 screw from the fan module (8) as Pic.1

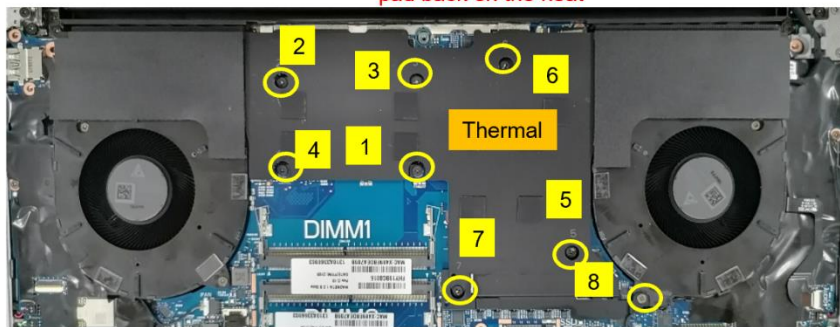
❖ Torque : $1.5 \pm 0.2\text{Kg} \cdot \text{cm}$

❖ Screw can not be slipped

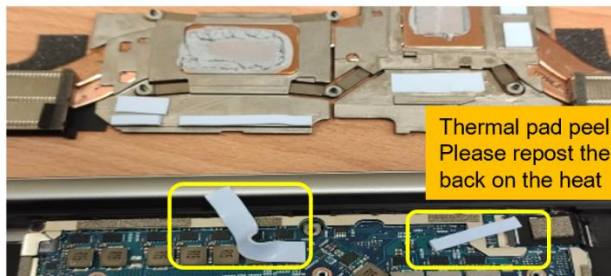
1. 2.Remove Thermal Module

❖ Thermal pad peel off , Please repost the thermal pad back on the heat

图一



图二



Thermal pad peel off ,
Please repost the thermal pad
back on the heat

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

Fixture list (Spec.)	Qty	Symbol						
Electric screwdriver #1	1							
		Safe	Quality	Order	Fixture	Hear	Look	Do
								Static



Station: 10(1/1)
Ver.: 0.10 Edit date: 2021/12/15

- ❖ Screw can not be slipped



Fixture list (Spec.)	Qty	Symbol								
Electric screwdriver #1	1									
		Safe	Quality	Order	Fixture	Hear	Look	Do	Static	



Standard Operation Procedure

Document No. : disassembly SOP

Station: 11(1/2)

Operation Name : Disconnect EDP cable

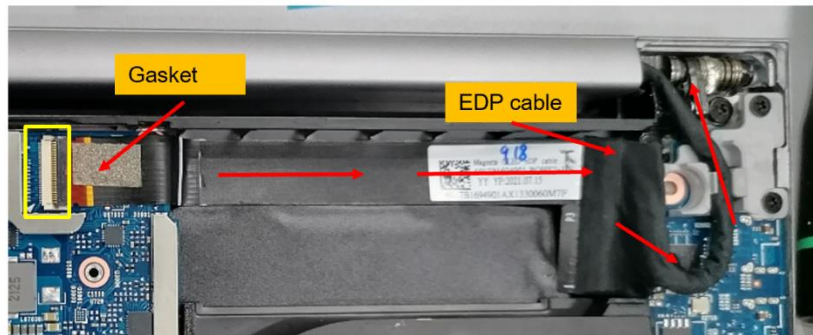
Ver. :0.10

Edit date: 2021/12/15

Step :

1. Disconnect EDP cable from MB and follow instructions in the picture to disassemble it as Pic.1
2. Remove Gasket

Pic.1



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

Fixture list (Spec.)	Qty	Symbol						
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

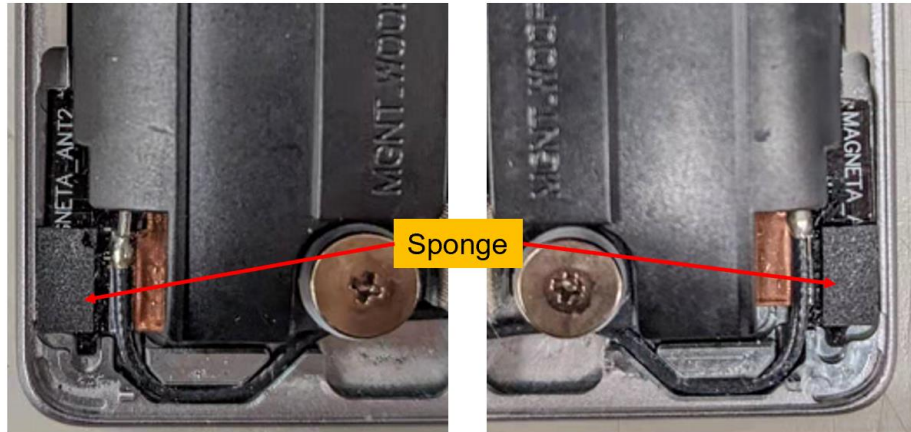
Station: 11(2/2)

Operation Name : Remove sponge

Ver. :0.10 Edit date: 2021/12/15

Step :

1. Remove 2 pcs sponge from the PCB of Antenna



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

Fixture list (Spec.)	Qty	Symbol						
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 12(1/1)

Operation Name : 拆EDP Holder & Camera Holder

Ver. : 0.10

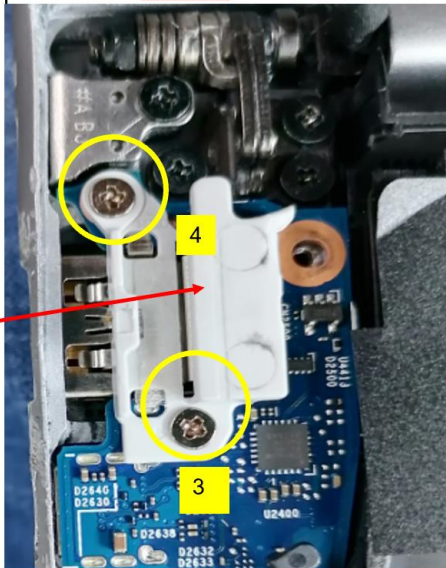
Edit date: 2021/12/15

Step :

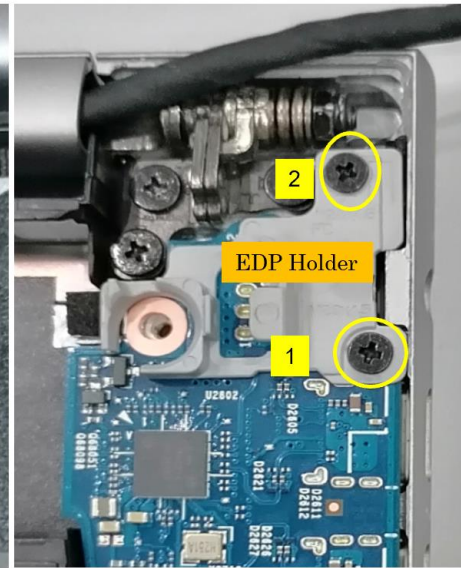
1. Loosen EDP Holder screw *2 PCS , and remove it as pic.2
 2. Loosen Camera Holder screw *2 PCS , and remove it as pic.1
- ❖ Screw specification: M2*4.5
 - ❖ Torque : $1.5 \pm 0.2\text{Kgf} \cdot \text{cm}$
 - ❖ Screw can not be slipped

Pic.1

Pic. 2



Camera Holder



EDP Holder

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

Fixture list (Spec.)	Qty	Symbol						
Electric screwdriver #1	1							
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 13(1/1)

Operation Name : Disconnect speaker CNTR

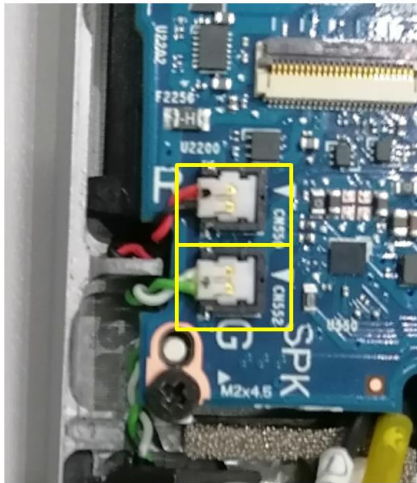
Ver. :0.10

Edit date: 2021/12/15

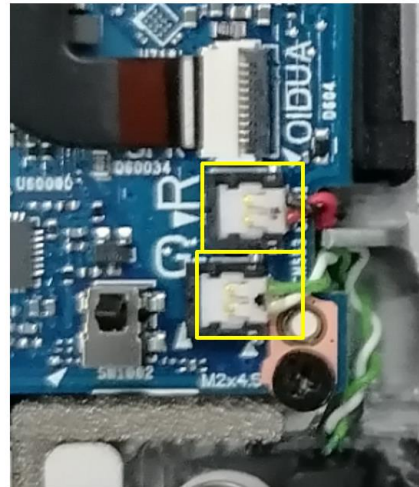
Step :

1. Unplug the tweeter & woofer cable vertically from the MB connector of left and right (Pic.1/Pic.2)

Pic.1



Pic.2



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

Fixture list (Spec.)	Qty	Symbol						
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 14(1/1)

Operation Name : Disconnect Audio FPC

Ver. :0.10 Edit date: 2021/12/15

Step :

1. Separate the small battery back glue from Top (Pic.1)
2. Disconnect Audio FPC from MB connector (Pic.2)

Pic.1



When the small battery is removed, push the two batteries together to prevent the deformation of small batteries

Pic. 2



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

Fixture list (Spec.)	Qty	Symbol						
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 15(1/1)

Operation Name : Loosen Hinge Screw

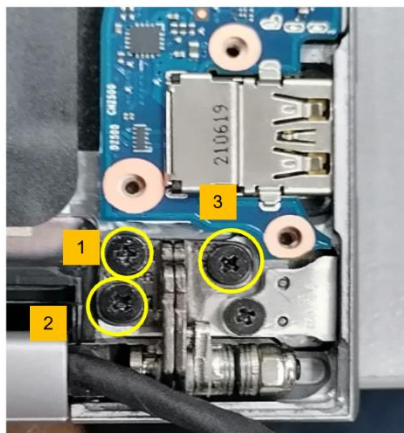
Ver. : 0.10

Edit date: 2021/12/15

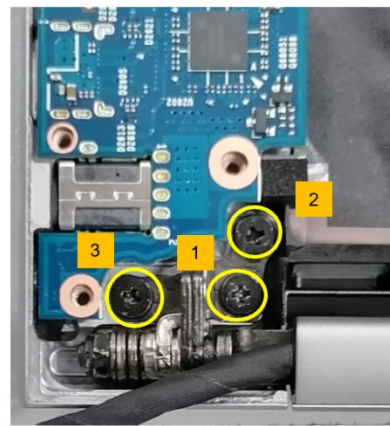
Step :

1. Open the notebook 90 degrees, place the top on the platform, and remove the hinge screw * 6 as Pic.1 & Pic.2
 - ❖ **Screw specification: M2*3**
 - ❖ **Torque : $2.5 \pm 0.2\text{Kgf} \cdot \text{cm}$**
 - ❖ **Screw can not be slipped**
2. Remove hinge up.

Pic.1



Pic.2



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

Fixture list (Spec.)	Qty	Symbol						
Electric screwdriver(#1)	1							
		Safe	Quality	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 16(1/3)

Operation Name : Remove GPU Mylar

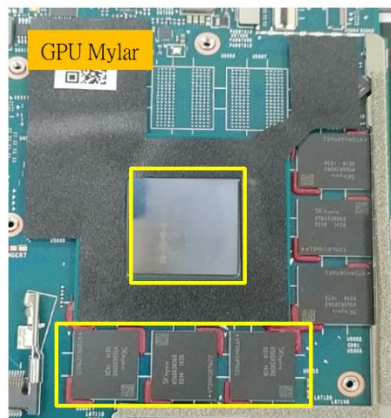
Ver. :0.10 Edit date: 2021/12/15

For HE/MR SKU :

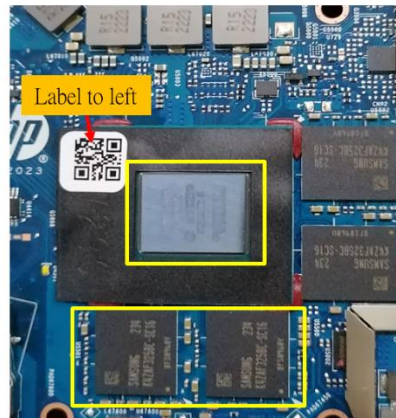
Step :

1.Remove GPU Mylar from MB

	GPU	Mylar PN
HE	QN20-E1/QN20-E3/GN20-E6	6054B2651401
	QN20-E5/GN20-E8	6054B2651301
	GN20-E3	6054B2651201
	WN21-X9/GN21-X9	6054B2872601
MR	QN20-P2-K2	6054B2872701
	WN21-X4	6054B2872801
	WN21-X7-S/GN21-X6	6054B2872901



HE: 3 VRAM



MR: 2 VRAM

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



Standard Operation Procedure

Document No. : disassembly SOP

Station: 16(2/3)

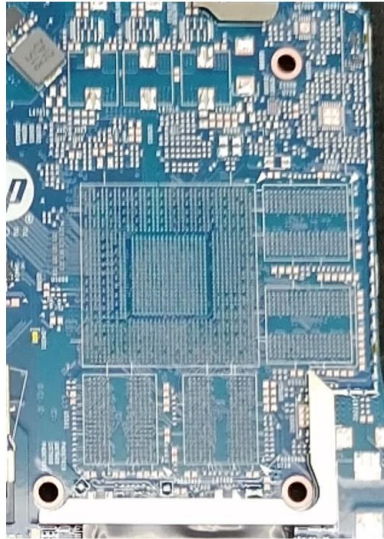
Operation Name : Remove GPU Frame

Ver. :0.10 Edit date: 2021/12/15

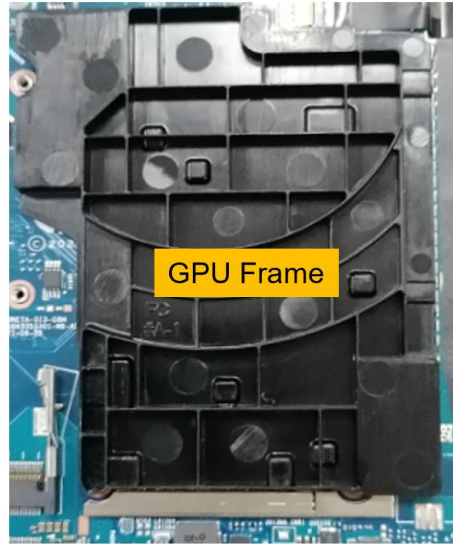
Step :

For UMA SKU :

1.Remove GPU Frame from MB



UMA: NO GPU



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

Fixture list (Spec.)	Qty	Symbol						
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP
Operation Name : Loosen M/B screw

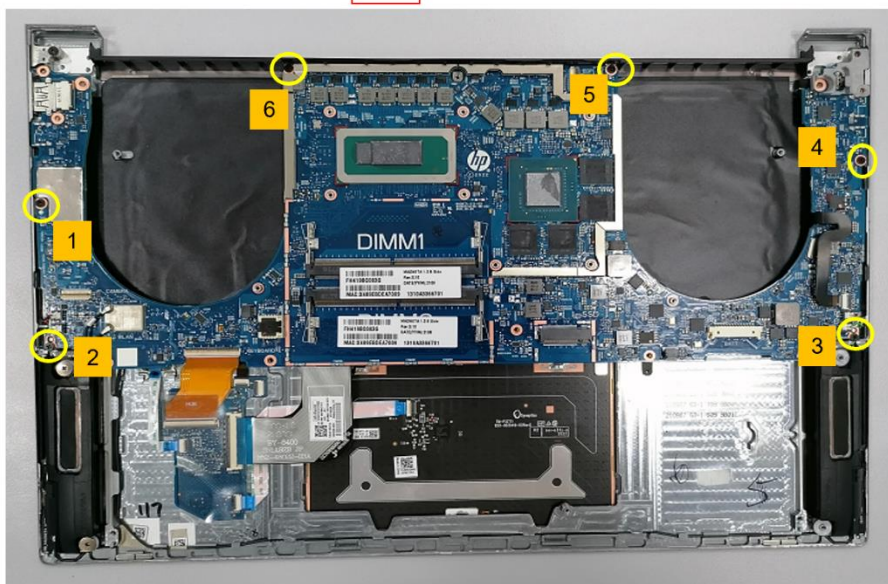
Station: 16(3/3)
Ver. :0.10 Edit date: 2021/12/15

Step :

1. Loosen MB screw*6 pcs as Pic.1

- ❖ Screw specification: M2*4.5
- ❖ Torque : $1.5 \pm 0.2\text{Kgf} \cdot \text{cm}$
- ❖ Screw can not be slipped

Pic.1



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

Fixture list (Spec.)	Qty	Symbol						
Electric screwdriver#1	1							
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do



Standard Operation Procedure

Document No. : disassembly SOP

Station: 17(1/2)

Operation Name : Remove WLAN Antenna Cable

Ver. : 0.10

Edit date: 2021/12/15

Step :

1. Remove WLAN Antenna Cable from WLAN module



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

Fixture list (Spec.)	Qty	Symbol						
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 17(2/2)

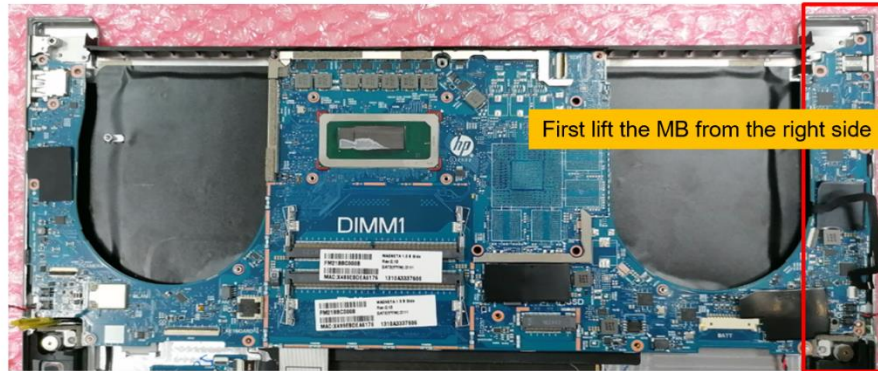
Operation Name : Disassembly M/B

Ver. :0.10 Edit date: 2021/12/15

Step :

1. Remove the MB from the right.

Pic. 1



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

Fixture list (Spec.)	Qty	Symbol						
Ionizer	1							
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do



Standard Operation Procedure

Document No. : disassembly SOP

Station: 18(1/1)

Operation Name : Disassembly Woofer

Ver. :0.10 Edit date: 2021/12/15

Step :

1. Loosen Woofer screw *4pcs · and Remove Woofer

❖ Screw specification: M2*2

❖ Torque : $1.5 \pm 0.2\text{Kgf} \cdot \text{cm}$

❖ Screw can not be slipped

Pic. 1



Pic. 2



Do not touch the tympanic membrane area as shown in the figure

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

Fixture list (Spec.)	Qty	Symbol						
Electric screwdriver#1	1							
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 19(1/1)

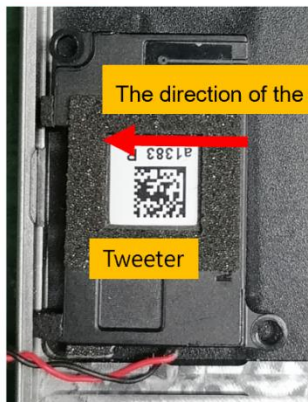
Operation Name : Release Tweeter

Ver. :0.10 Edit date: 2021/12/15

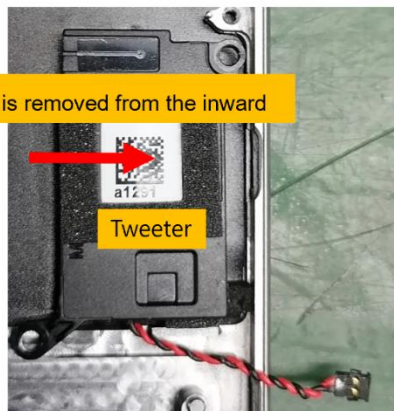
Step :

1. Remove Tweeter From TOP

Pic.1



Pic.2



图三

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

Fixture list (Spec.)	Qty	Symbol						
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 20(1/2)

Operation Name : Disassembly Audio Jack

Ver. :0.10 Edit date: 2021/12/15

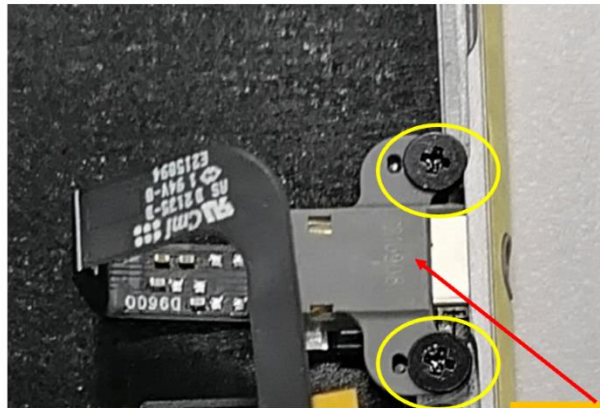
Step :

1. Loosen Audio Jack screw*2pcs · Remove it.

❖ Screw specification: M2*3

❖ Torque : $1.5 \pm 0.2\text{Kgf} \cdot \text{cm}$

❖ Screw can not be slipped



Audio Jack

Pic. 1

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

Fixture list (Spec.)	Qty	Symbol						
Electric screwdriver#1	1							
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

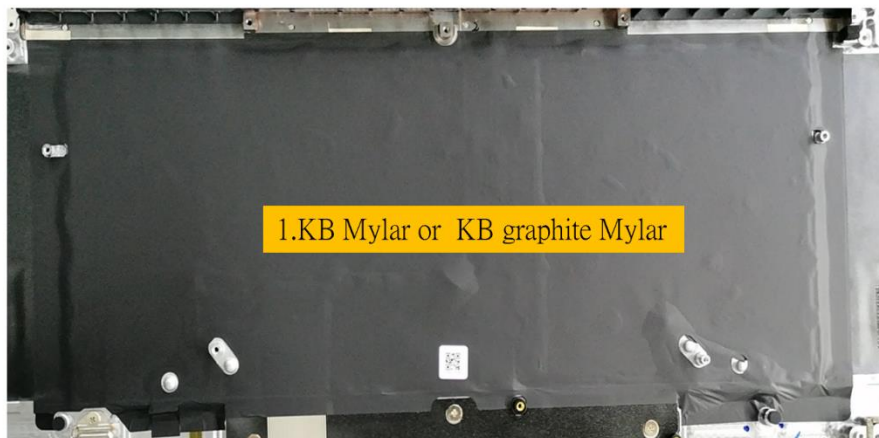
Document No. : disassembly SOP

Station: 20(2/2)

Operation Name : Tear off KB Mylar

Ver. : 0.10 Edit date: 2021/12/15

1. Tear off KB Mylar or KB graphite Mylar



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

Fixture list (Spec.)	Qty	Symbol						
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 21(1/1)

Operation Name : Disassembly the right Antenna

Ver. :0.10 Edit date: 2021/12/15

Step :

1. Remove antenna 2 along the path shown in the figure.
2. Slowly separate the copper foil and Top from the edge of the antenna copper foil, and completely remove the antenna 2.



Pic. 1

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

Fixture list (Spec.)	Qty	Symbol						
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 22(1/1)

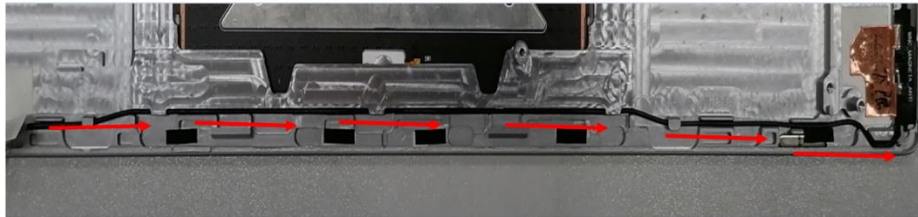
Operation Name : Disassembly the left Antenna

Ver. :0.10 Edit date: 2021/12/15

Step :

1. Remove antenna 1 along the path shown in the figure.
2. Slowly separate the copper foil and Top from the edge of the antenna copper foil, and completely remove the antenna 1.

Pic. 1



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

Fixture list (Spec.)	Qty	Symbol						
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 23(1/1)

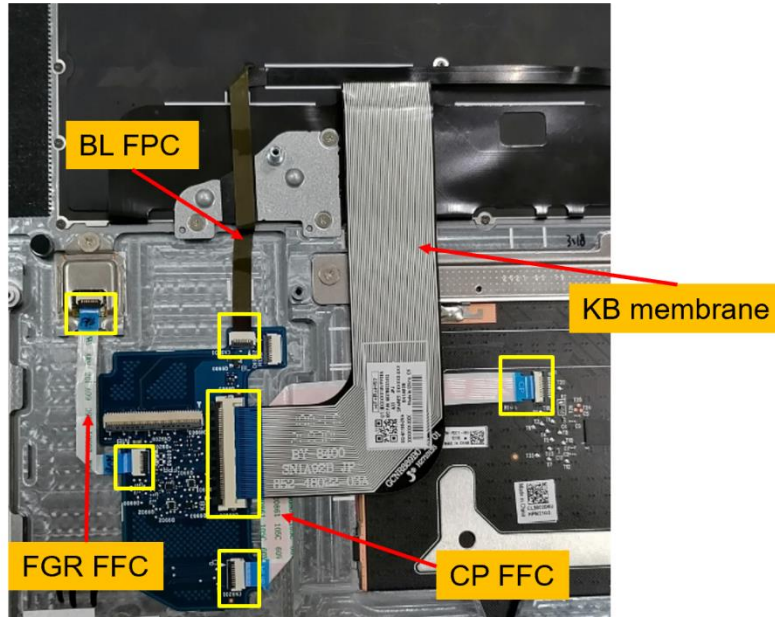
Operation Name : Disassembly Trans board

Ver. :0.10 Edit date: 2021/12/15

Step :

1. Disconnect KB membrane / CP FFC / BL FFC / FGR FFC from the trans board connector in turn
2. Disconnect Finger FFC from finger connector, and disconnect CP FFC from CP connector.
3. Remove Trans Board

Pic. 1



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

Fixture list (Spec.)	Qty	Symbol						
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

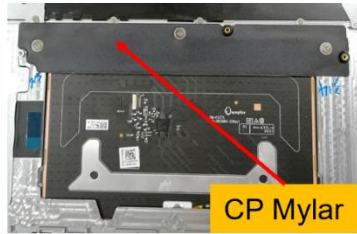
Station: 24(1/1)

Operation Name : Disassembly CP & Finger

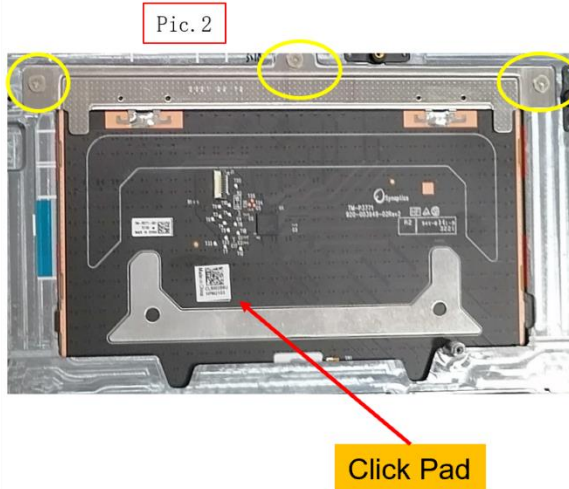
Ver. : 0.10 Edit date: 2021/12/15

Step :

1. Tear off CP Mylar as Pic.1
 2. Loosen CP screw *3pcs , and remove it as Pic.2
 3. Loosen finger screw*1 pcs , and remove FP BRK as Pic.3
- ❖ Screw specification: M2*2
 - ❖ Torque : $1.5 \pm 0.2\text{Kgf} \cdot \text{cm}$
 - ❖ Screw can not be slipped
4. Push the FP from the other side of the top



Pic. 1



Pic. 2



Pic. 3

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

Fixture list (Spec.)	Qty	Symbol						
Electric screwdriver#1	1							
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 25(1/1)

Operation Name : Disassembly Hinge cover

Ver. :0.10

Edit date: 2021/12/15

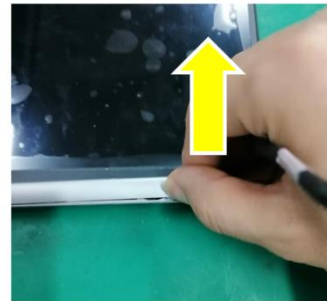
Step :

1. Place the LCD on the desktop, push the hinge cover upward, then slide hook out slightly to the left , remove it as Pic.1



Hinge cover

Pic.1



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

Fixture list (Spec.)	Qty	Symbol						
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 26(1/1)

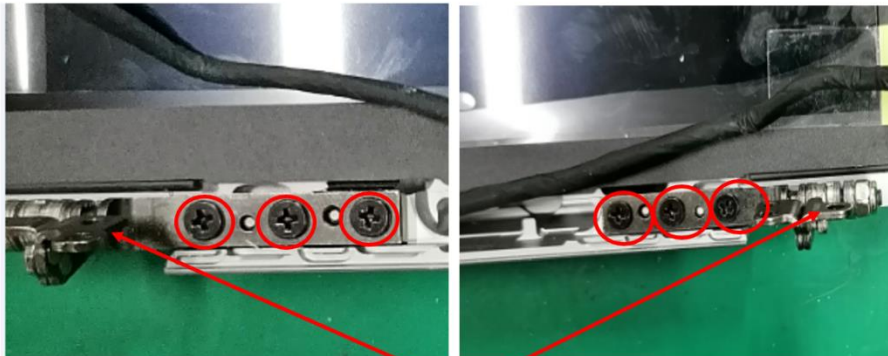
Operation Name : Disassembly Hinge

Ver. :0.10

Edit date: 2021/12/15

Step :

1. Loosen the left / right hinge screws * 6 and remove hinge
 - ❖Screw specification: M2 5 * 5.5
 - ❖ Torque: 3.4 ± 0.2 kgf · cm
 - ❖ Screw can not be slipped



hinge

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

Fixture list (Spec.)	Qty	Symbol						
Electric screwdriver#1	1							
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 27 (1/1)

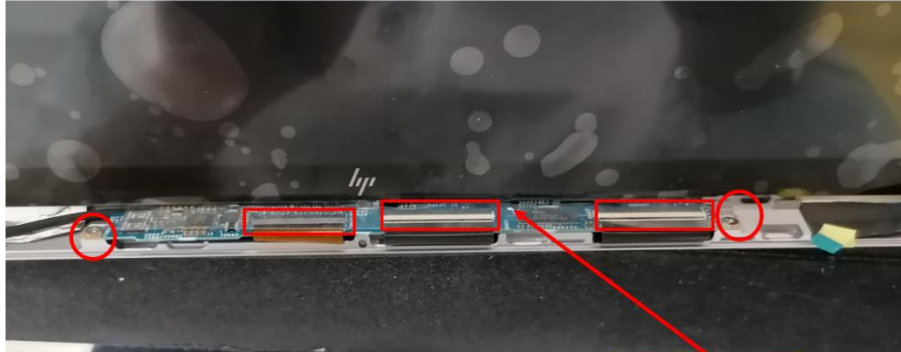
Operation Name : 拆Touch/B

Ver. :0.10 Edit date : 2021/12/15

Step :

For Touch SKU :

1. Loosen touch board screw *2 pcs
 - ❖ Screw specification: M1.6*2.5
 - ❖ Torque: $1.0 \pm 0.2 \text{ kgf} \cdot \text{cm}$
 - ❖ Screw can not be slipped
2. Disconnect EDP cable and panel FPC from touch board
3. Remove touch board from the hinge up part



Touch Board

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

Fixture list (Spec.)	Qty	Symbol							
Electric screwdriver#1	1								
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do	Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 28(1/3)

Operation Name : Disassembly LCD

Ver. :0.10

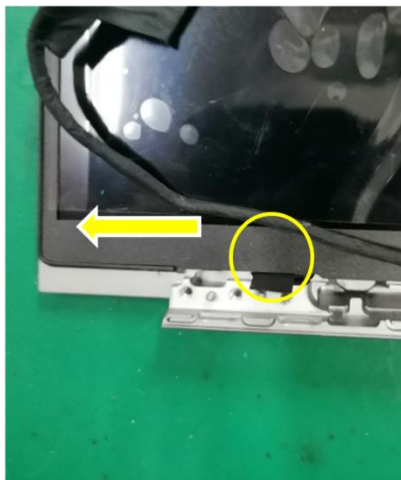
Edit date: 2021/12/15

Step :

For Non-touch SKU

1. Use tweezers to clamp out the head of Easy pull adhesive, pull it to the left, pull Easy pull adhesive down and pull out it.
 2. Pull out the Easy pull adhesive on the right side in the same way.
- ❖ Pull Easy pull adhesive down

Pic.1



Pic.2



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

Fixture list (Spec.)	Qty	Symbol						
Tweezers	1							
		Safe	Quality	Order	Fixture	Hear	Look	Do



Standard Operation Procedure

Document No. : disassembly SOP

Station: 28(2/3)

Operation Name : Disassembly LCD

Ver. :0.10 Edit date: 2021/12/15

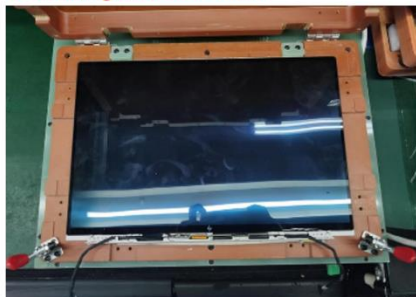
For Touch SKU

Step :

1. Put the LCM module glass face up into the oven, fix the a-cover, and then press the left and right lower clips against the edge of the a-cover as Pic.1/Pic.2/Pic.3/Pic.4 °

❖ Heating temperature :80+/-5°C

❖ Heating time :5+/-1 min



Pic.1



Pic.2



Pic.3



Pic.4

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

Fixture list (Spec.)	Qty	Symbol						
Heating fixtu	1							
0.38mm mylar	1							
Sucker	1							
Protective gloves	1							
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 28(3/3)

Operation Name : Disassembly LCD

Ver. :0.10 Edit date: 2021/12/15

For Touch SKU

Step :

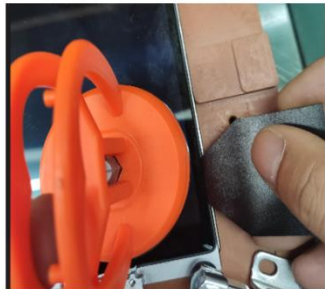
2. Starting from the lower right corner, use a sucker to suck the glass and pull it up slightly. Insert 0.38mm Mylar from the gap under the glass to separate the glass & a-cover glue as Pic.1

❖ Don't pull too much

3. Separate the glass & a-cover glue along the glass edge from the lower right corner in the order shown in the figure, using a sucker and Mylar as Pic.2.

❖ Don't pull too much

4. Lift the panel from the sky side and separate the panel from the a-cover as Pic.3



Pic.1



Pic.2



Pic.3

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

Fixture list (Spec.)	Qty	Symbol						
Heating fixtu	1							
0.38mm mylar	1							
Sucker	1							
Protective gloves	1							
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

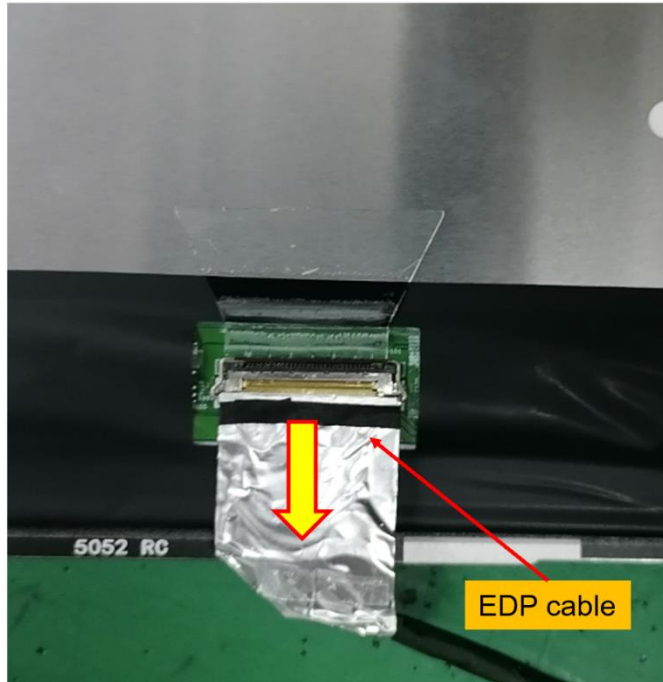
Station: 29(1/1)

Operation Name : Disassembly LCD cable

Ver. .0.10 Edit date: 2021/12/15

Step :

-  1. Tear down EDP cable from panel connector.
-  2. Take out EDP cable from trough.
-  3. For Privacy panel, disassembly FFC from panel connector



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



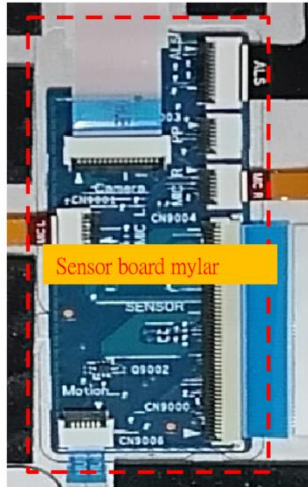
Standard Operation Procedure

Document No. : disassembly SOP
Operation Name : 拆LCD

Station: 30(1/1)
Ver. 0.10 Edit date: 2021/12/15

Step :

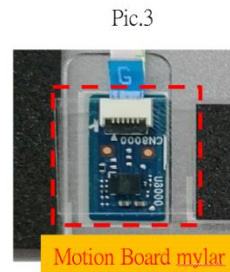
1. Tear off transparent Mylar on Sensor Board/camera/Motion board as Pic.1/Pic.2/Pic.3.



Pic.1



Pic.2



Pic.3

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

Fixture list (Spec.)	Qty	Symbol						
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 31(1/1)

Operation Name : Disassembly MIC L

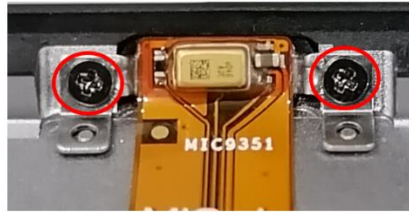
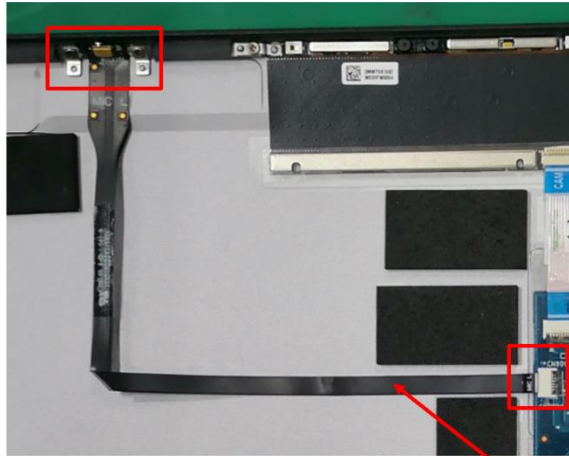
Ver. :0.10

Edit date : 2021/12/15

Step :

1. Disconnect MIC L FPC from sensor board
2. Loosen Mic L screw *2
3. Remove MIC L

- ❖ Screw specification: M1.2*1.5
- ❖ Torque : 0.6 -0.8 kgf · cm
- ❖ Screw can not be slipped



MIC-L FPC

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

Fixture list (Spec.)	Qty	Symbol						
Electric screwdriver#0	1							
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 32(1/1)

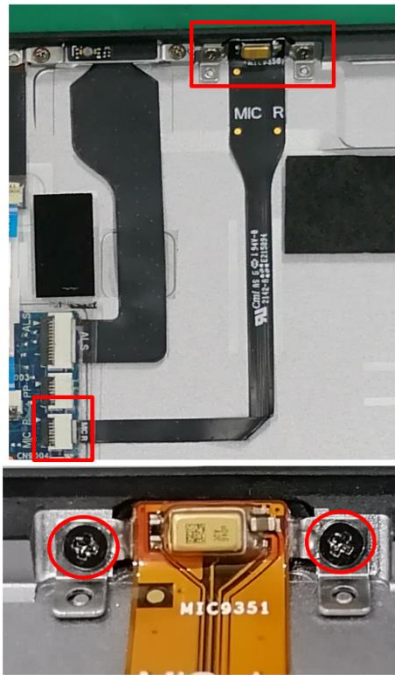
Operation Name : Disassembly MIC R

Ver. 0.10

Edit date: 2021/12/15

Step :

1. Disconnect MIC R FPC from sensor board
2. Loosen Mic R screw *2
3. Remove MIC R
 - ❖ Screw specification: M1.2*1.5
 - ❖ Torque : 0.6 -0.8 kgf · cm
 - ❖ Screw can not be slipped



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

Fixture list (Spec.)	Qty	Symbol						
Electric screwdriver#0	1							
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

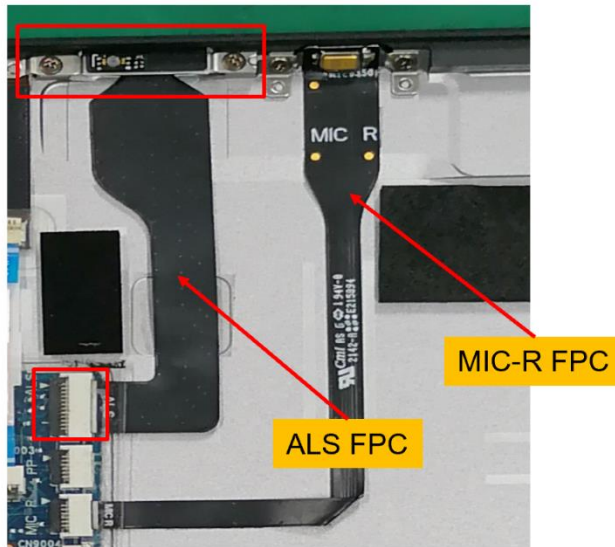
Station: 33(1/1)

Operation Name : Disassembly ALS

Ver. 0.10 Edit date: 2021/12/15

Step :

1. Disconnect ALS FPC from sensor board
2. Loosen ALS screw *2
3. Remove ALS
 - ❖ Screw specification: M1.2*1.5
 - ❖ Torque : 0.6 -0.8 kgf · cm
 - ❖ Screw can not be slipped



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

Fixture list (Spec.)	Qty	Symbol						
Electric screwdriver#0	1							
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 34(1/1)

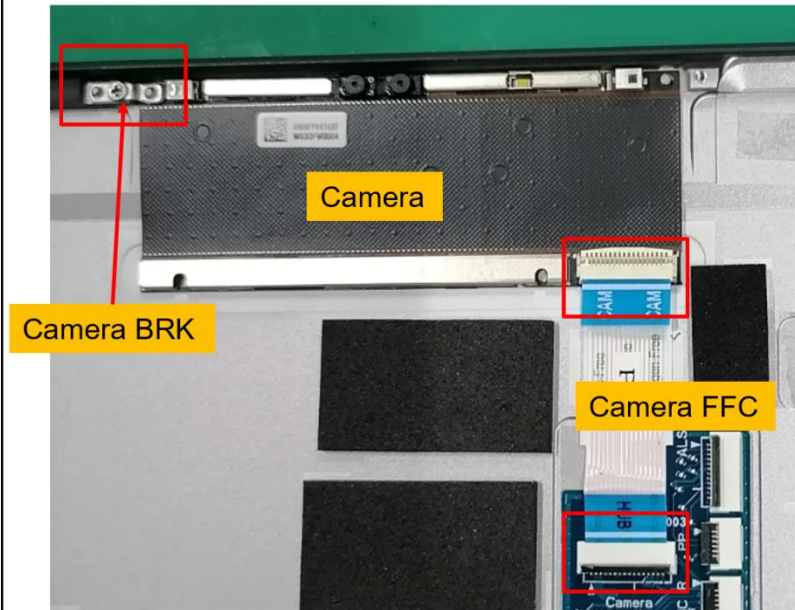
Operation Name : Disassembly camera

Ver. :0.10

Edit date: 2021/12/15

Step :

1. Disconnect camera FFC from sensor board and camera
 2. Loosen camera BRK screw *1
 3. Remove camera
- ❖ Screw specification: M1.2*1.5
 - ❖ Torque : 0.6 -0.8 kgf · cm
 - ❖ Screw can not be slipped



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

Fixture list (Spec.)	Qty	Symbol						
Electric screwdriver#0	1							
		Safe	Quality	Order	Fixture	Hear	Look	Do



Standard Operation Procedure

Document No. : disassembly SOP

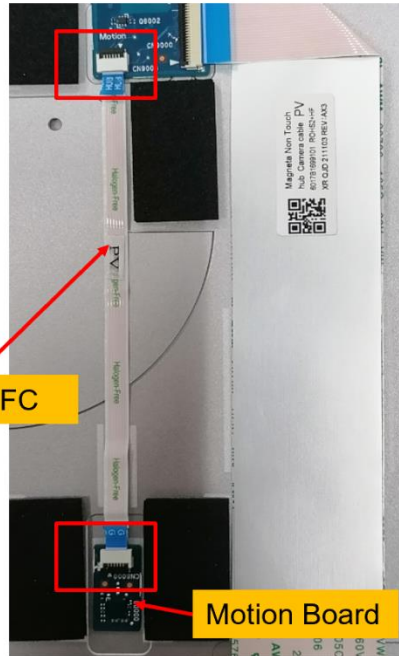
Station: 35(1/1)

Operation Name : Disassembly Motion board

Ver. 0.10 Edit date: 2021/12/15

Step :

1. Disconnect Motion FFC from sensor Board and Motion board
2. Remove Motion board



Motion FFC

Motion Board

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

Fixture list (Spec.)	Qty	Symbol						
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 36(1/1)

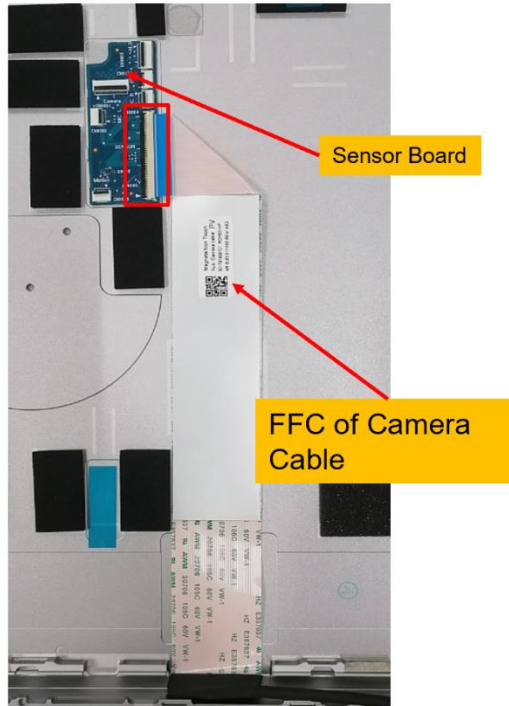
Operation Name : Disassembly sensor board

Ver. :0.10

Edit date: 2021/12/15

Step :

1. Disconnect the FFC of Camera cable from sensor board
2. Remove Camera cable
3. Remove Sensor Board



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

Fixture list (Spec.)	Qty	Symbol						
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static



Standard Operation Procedure

Document No. : disassembly SOP

Station: 37(1/1)

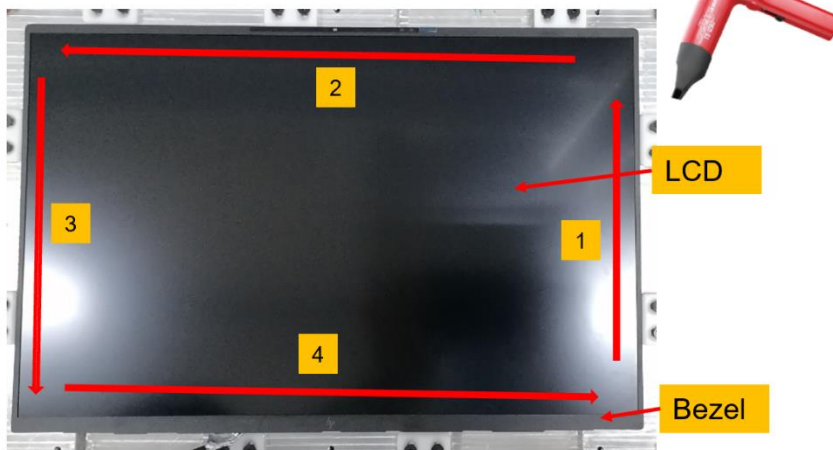
Operation Name : Disassembly bezel

Ver. :0.10

Edit date: 2021/12/15

Step :

1. Place the panel on the fixture, and fix the panel.
2. Heating bezel with a hot air blower from 10cm away
 - ❖ When heating, heat evenly and do not focus on one point
 - ❖ Heating time : 25S Heating temperature : 60°C
3. Apply a force upward from the outer edge of bezel to separate bezel & LCD
 - ❖ Try to avoid pressing panel to damage glass while tear down bezel



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

Fixture list (Spec.)	Qty	Symbol						
hot air blower 1								
		Safe	Qual ity	Order	Fixtur e	Hear	Look	Do
								Static