

# **ASUS STRIX SCAR 15 (G533Z) series**

## **Service Guide**

## COPYRIGHT INFORMATION

No part of this manual, including the products and software described in it, may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form or by any means, except documentation kept by the purchaser for backup purposes, without the express written permission of ASUSTeK COMPUTER INC. ("ASUS").

ASUS PROVIDES THIS MANUAL "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL ASUS, ITS DIRECTORS, OFFICERS, EMPLOYEES OR AGENTS BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES (INCLUDING DAMAGES FOR LOSS OF PROFITS, LOSS OF BUSINESS, LOSS OF USE OR DATA, INTERRUPTION OF BUSINESS AND THE LIKE), EVEN IF ASUS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES ARISING FROM ANY DEFECT OR ERROR IN THIS MANUAL OR PRODUCT.

Products and corporate names appearing in this manual may or may not be registered trademarks or copyrights of their respective companies, and are used only for identification or explanation and to the owners' benefit, without intent to infringe.

SPECIFICATIONS AND INFORMATION CONTAINED IN THIS MANUAL ARE FURNISHED FOR INFORMATIONAL USE ONLY, AND ARE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTICE, AND SHOULD NOT BE CONSTRUED AS A COMMITMENT BY ASUS. ASUS ASSUMES NO RESPONSIBILITY OR LIABILITY FOR ANY ERRORS OR INACCURACIES THAT MAY APPEAR IN THIS MANUAL, INCLUDING THE PRODUCTS AND SOFTWARE DESCRIBED IN IT.

Copyright © 2024 ASUSTeK COMPUTER INC. All Rights Reserved.

## LIMITATION OF LIABILITY

Circumstances may arise where because of a default on ASUS' part or other liability, you are entitled to recover damages from ASUS. In each such instance, regardless of the basis on which you are entitled to claim damages from ASUS, ASUS is liable for no more than damages for bodily injury (including death) and damage to real property and tangible personal property; or any other actual and direct damages resulted from omission or failure of performing legal duties under this Warranty Statement, up to the listed contract price of each product.

ASUS will only be responsible for or indemnify you for loss, damages or claims based in contract, tort or infringement under this Warranty Statement.

This limit also applies to ASUS' suppliers and its reseller. It is the maximum for which ASUS, its suppliers, and your reseller are collectively responsible.

UNDER NO CIRCUMSTANCES IS ASUS LIABLE FOR ANY OF THE FOLLOWING: (1) THIRD-PARTY CLAIMS AGAINST YOU FOR DAMAGES; (2) LOSS OF, OR DAMAGE TO, YOUR RECORDS OR DATA; OR (3) SPECIAL, INCIDENTAL, OR INDIRECT DAMAGES OR FOR ANY ECONOMIC CONSEQUENTIAL DAMAGES (INCLUDING LOST PROFITS OR SAVINGS), EVEN IF ASUS, ITS SUPPLIERS OR YOUR RESELLER IS INFORMED OF THEIR POSSIBILITY.

## Disclaimer

ASUS is not responsible for direct, indirect, intentional or unintentional damages resulting from improper installation and operation.

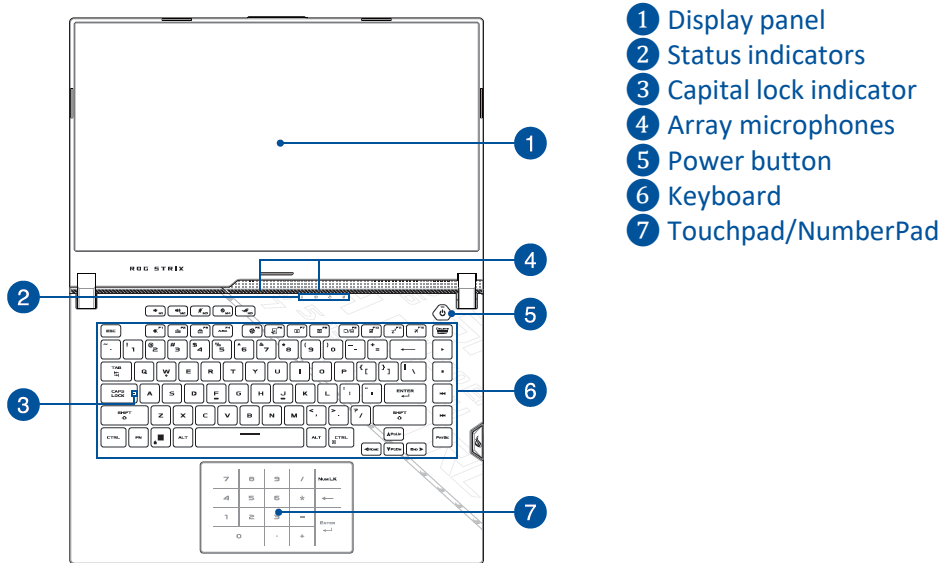
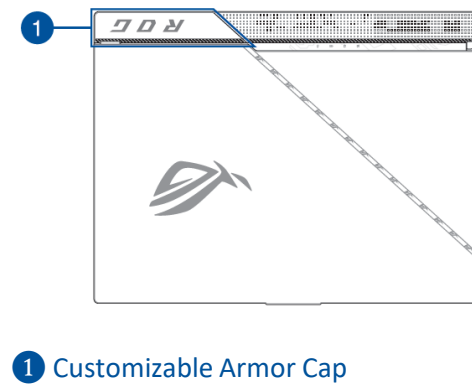
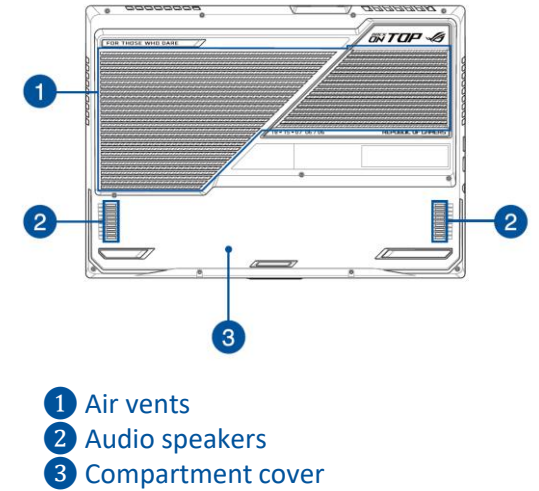
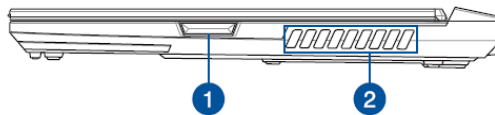
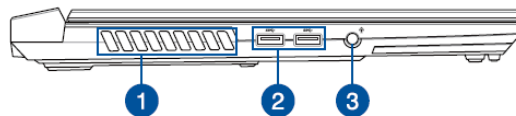
## Safety precautions

- Keep liquids or moisture away from your Notebook PC before installing or removing any components.
- Ensure to place your Notebook PC on a stable surface before installing or removing any components.
- Detach the clip or flap before removing the signal cables to prevent damage.
- Disconnect the power plug by pulling the plug evenly to avoid damage. Ensure to connect the signal cables in the correct orientation.
- Disconnect all power cables and remove the battery pack (if applicable) before cleaning your Notebook PC with liquid detergent to avoid risk of electric shock.
- Disconnect all power cables and remove the battery pack (if applicable) before installing or removing any components. Ensure to read and follow the instructions in the manual.
- Before handling components, use a grounded wrist strap or touch a safely grounded object to avoid damaging them due to static electricity.
- Keep liquids or moisture away from your Notebook PC to avoid short circuits.
- Hold components by the edges to avoid touching the ICs.
- Ensure to properly install all the components before connecting the AC power.
- Do not use power adapters or batteries from other devices to reduce the risk of injury to persons due to fire or explosion. Use only certified power adapters or batteries supplied by the manufacturer or authorized retailers.
- Ensure to install the correct screw models on your Notebook PC to prevent damage.

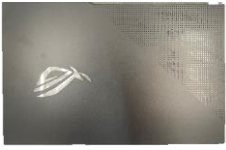
- [Service Overview](#)
- [ASUS ROG STRIX SCAR 15 \(G533Z\) series Overview](#)
- [Components Top View](#)
- [Components Bottom View](#)
- [Repair Overview](#)
- [Appropriate Tools](#)
- [Keyparts and Related Parts](#)
- Disassembly steps :
  - [BOTTOM CASE](#)
  - [BATTERY and SSD](#)
  - [DDR](#)
  - [SOUL KEY BD](#)
  - [WIFI CARD](#)
  - [SPEAKER](#)
  - [FAN](#)
  - [THERMAL MODULE](#)
  - [MAIN BOARD](#)
  - [INDICATOR BOARD](#)
  - [TOUCHPAD MODULE](#)
  - [KEYBOARD MODULE and SPEAKER SET](#)
  - [MIC BOARD](#)
  - [LCD BEZEL](#)
  - [LCD PANEL](#)
  - [LCD COVER](#)

- **Carefully read through this Service Guide for a look at various components of the device before performing any service and repairs.**
- To provide the best service, we have provided the below information for technicians from distributors and resellers to perform the complete device disassembly and assembly. Before performing the procedures, please be sure to read through the overview in this service guide for component overview to avoid any unwarranted damages to the device hardware.
- The following contents include all part numbers mentioned in the service guide are **used for reference only**, if you need the exact part number for ordering, please refer to the OrderBook.
- Due to sales policy difference, the components might have different specifications on the same series product, please refer to E-manual by model.

Due to sales policy difference, the components may have different specifications on the same model. If you have any operational issues, please contact the service hotline.

**Top View****Top View (lid closed)****Bottom View****Right View****Left View**

◆ LCD COVER MODULE



◆ LCD BEZEL



◆ PANEL



◆ BASE CASE



◆ KEYBOARD MODULE



◆ hinge COVER ASSY



◆ TOUCHPAD



CLICKPAD



NUMBERPAD

◆ TP FRAME



◆ THERMAL MODULE



◆ FAN

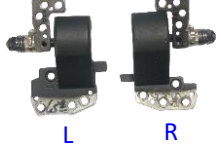


CPU



VGA

◆ HINGE



L

R

◆ HINGE CAP



◆ BATTERY



◆ BATTERY CABLE



◆ WIFI ANTENNA



ANTENNA 3

ANTENNA 4



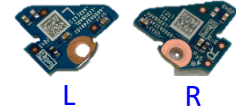
ANTENNA 1

ANTENNA 2

◆ MAIN BOARD



◆ LED BOARD



L

R

◆ SOUL KEY BD



◆ INDICATOR BOARD



◆ MIC BD



MIC RUBBER

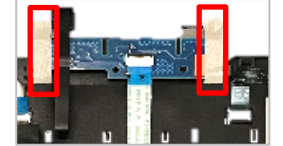
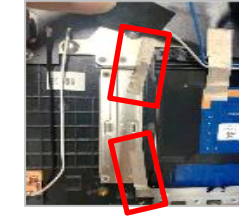
◆ V CUT LIGHTING MODULE



◆ LOGO BACK LIGHT MODULE



◆ KB BRKT LED BD CONDUCTIVE TAPE



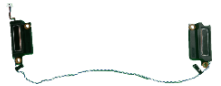
◆ SSD



◆ DDR



◆ SPEAKER SET



◆ SPEAKER



◆ EDP CABLE



◆ BTM U BAR CORNER MYLAR



◆ U LIGHT BAR L/R FFC

L: 6P 0.5 L164mm



R: 6P 0.5 L218mm

◆ RF COAXIAL CABLE1(Black)/2(white)



◆ NFC FFC (20P 0.5 L54mm)



◆ TP FFC (8P 0.5 L142mm)



◆ LED FFC (14P 0.5 L160mm)



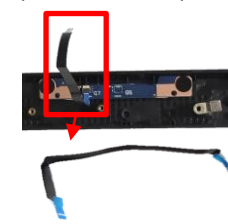
◆ SSD THERMAL PAD



◆ SCAR P H L FFC (20P 0.5 L60mm)



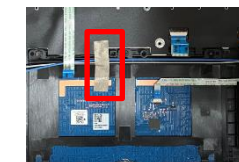
◆ MIC FFC (4P 0.5 L90mm)



◆ WIFI CARD



◆ TP MODULE GND CONDUCTIVE TAPE



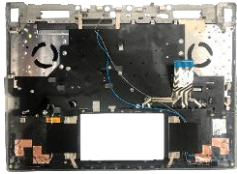
◆ DIMM ABSORBER



◆ LCD COVER MODULE



◆ KEYBOARD MODULE



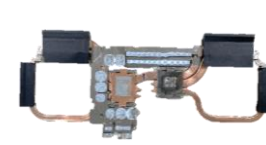
◆ BASE CASE



◆ LCD BEZEL



◆ THERMAL MODULE ASSY



◆ LCD PANEL



◆ MAIN BOARD



◆ SOUL KEY BD



◆ INDICATOR BOARD



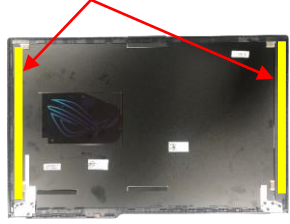
◆ LED BOARD



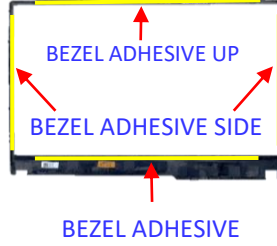
◆ THM SSD GS



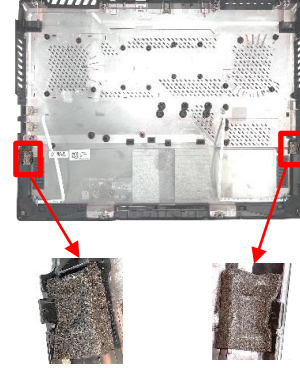
◆ LCD ADHESIVE



◆ LCD BEZEL ADHESIVE



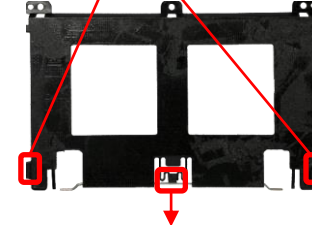
◆ BTM U BAR SIDE SPONGE



◆ ANTENNA CABLE  
ACETATE CLOTH



◆ TP FRAME MYLAR



◆ METAL DOME  
MRLAR CLICKPAD  
(ONLY CLICKPAD SKU)

◆ TP PCB TAPE



This chapter describes disassembly and assembly (Assemble document please look up from the last page), please follow the information provided in this section to perform the complete disassembly procedure.

## ◆ Precautions:

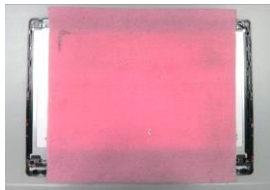
Before you perform any service or repair on the notebook, please pay special attention to the cautions prevent any damages to the notebook.

1. Be sure that the notebook is powered down.
2. Before disassembling any part, please disconnect all power source. ex: AC plug/Battery connector/Power protect screw etc.

3. Remove all rings, watches and any other metal objects from your hands.



4. Always wear a ground strap on your hand to protect the notebook from static discharge.
5. Please refer to “ANSI ESD S20.20” about ESD protection measure.
6. Put the disassembled parts in the functional PE BAG to avoid any damages of the A/B/C/D part.



7. The maintenance environment temperature is 20-30 °C and humidity is 40% - 70%.
8. To avoid scratching on the surface of machine; please use anti-static and soft materials to put on desk in repair environment as below photo.



9. Screw Appearance Criteria:

If the screws have the following damaged appearance, please do not use.

- a. Shape deformed.
- b. Damaged head – unable to drive in or the stripped screw.
- c. Damaged unable to securely tighten.
- d. Paint scratched off.
- e. Rusty



10. The following chapter includes all part numbers mentioned in service guide are used for reference only, actual part name depends on different SKU, if you need the exact part number for ordering, please refer to the Orderbook.
11. Due to sales policy difference, the components may have different specifications on the same model. Please note that all pictures and components shown on Service Guide are for disassembly/assembly description purpose only, so please refer to the actual product for disassemble/assemble.

Please prepare and select the appropriate tools to disassemble/assemble for the ROG Strix SCAR 15 (G533Z) series notebook.

## ◆ Screwdriver

Please accord to different screw specification to choose different screwdriver and head.



## ◆ Plastic Blade



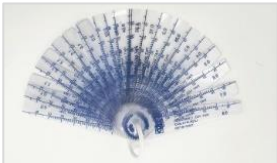
## ◆ Plastic Tweezers ( [Tweezer material: Metal and Plastic](#))

Use a pair of tweezers to remove/insert/tidy cables.



## ◆ Thickness Gauge

Thickness compass specification 0.05mm-1.5mm. Use it to measure the gap.



## ◆ Magnetism Board

Suggest local buy magnetism board to place screw, avoid mix different type screw to cause assembly damage.



## ◆ Alcohol 95%



## ◆ Glove



## ◆ Dust-free Cloth



## ◆ Thermal Pad PTM7958



## ◆ PLASTIC CARD T=0.35mm



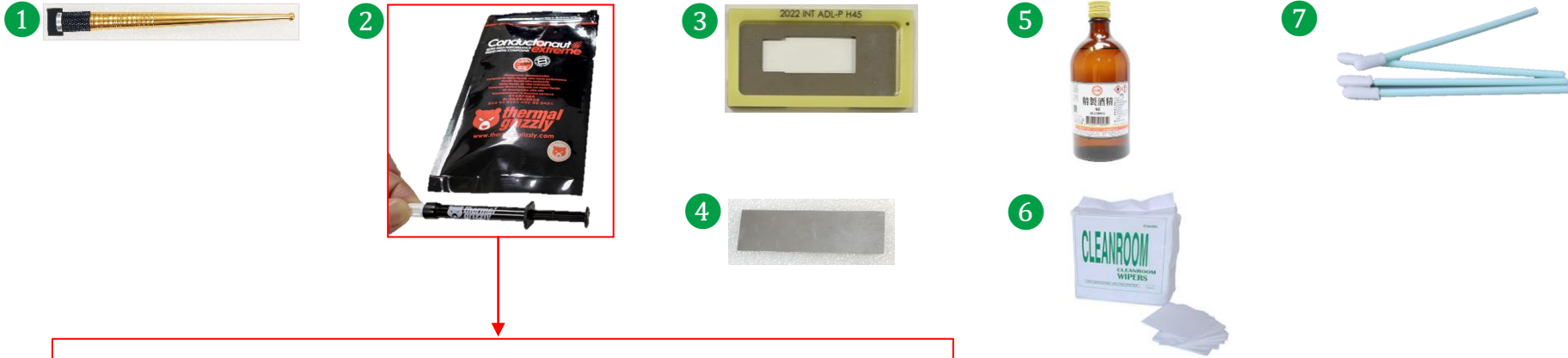
## ◆ PLASTIC PICK T=0.5mm



## ◆ FCR-AS Thermal Grease



Please prepare and select the appropriate tools to disassemble/assemble for the ROG STRIX SCAR 15(G533Z) series notebook.



[This series use the New second-generation liquid metal].  
Please distinguish (first generation/second generation) liquid metal materials according to the announcement to avoid using errors to affect notebook performance.

| Item | Part Name                                 | Memo                                                                                                                                                                                                                      |
|------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1    | Silicone scraping pen                     |                                                                                                                                                                                                                           |
| 2    | Conductonaut Extreme Liquid Metal 5g      | <ul style="list-style-type: none"><li>▪Please store it in the environment of 18 ~ 40 °C.</li><li>▪Please keep cover tightly closed until ready for next time use.</li><li>▪Shipping category : Dangerous Goods.</li></ul> |
| 3    | Intel ADL-P H45 steel plate               |                                                                                                                                                                                                                           |
| 4    | Stainless steel plate (60mm*20mm*0.2t)    |                                                                                                                                                                                                                           |
| 5    | 95% alcohol                               |                                                                                                                                                                                                                           |
| 6    | Dust-free cloth                           |                                                                                                                                                                                                                           |
| 7    | Dust-free cotton swab//class 100 (100pcs) |                                                                                                                                                                                                                           |

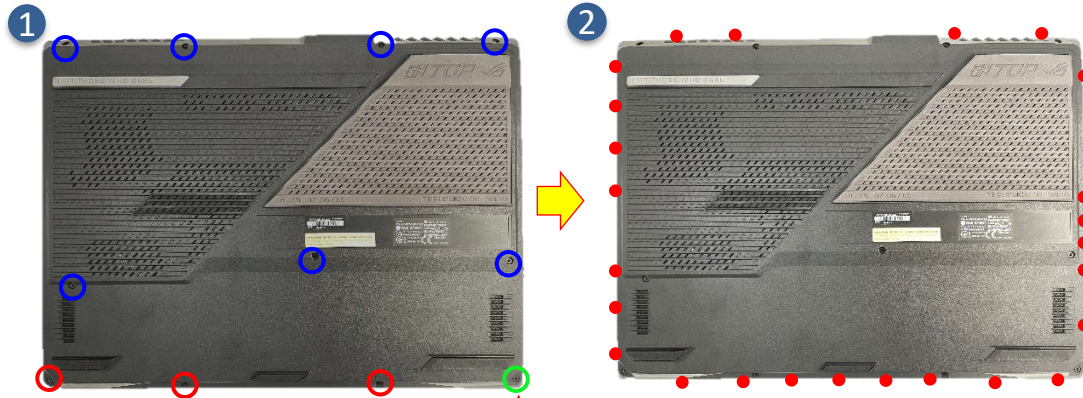
## Disassembly Notice

Step 1 : Remove screws \*10pcs.

Step 2 : Use plastic blade to pry the bottom case.

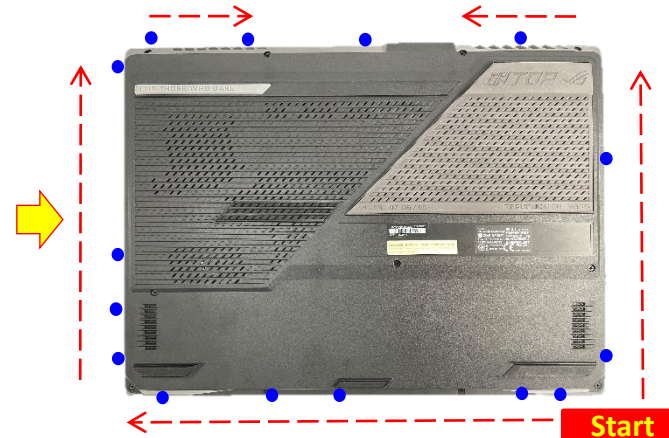
Step 3 : Disconnect LED R and LED L connector.

| Screws                                                                                                                                                              | QTY | Spec                     | Torque (kgf-cm) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------|-----------------|
|   | 7   | M2.5*12L(4.6,0.85)(K) #1 | 2.5±0.2         |
|   | 3   | M2.5*6L(4.5,0.5)(K)#1    | 2.5±0.2         |
|   | 1   | Retention Screw          | 2.5±0.2         |



⚠ The screw is unable to remove from bottom case, so please always loosen it last, and lock it at first.

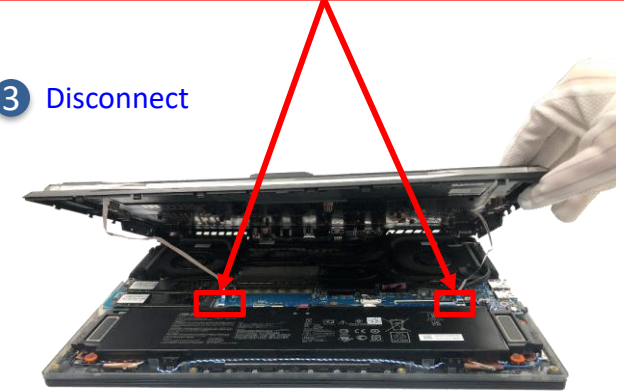
⚠ To avoid the bottom case hook, don't insert plastic blade in each red circle.



⚠ Please follow above arrow direction with using plastic blade to pry bottom case in each blue circle location. (To avoid the bottom case hook, please prying at each blue circle location.)

⚠ There are cables which connected to MB, so please do not pull out the bottom case directly. Please disconnect the cables and then remove the bottom case.

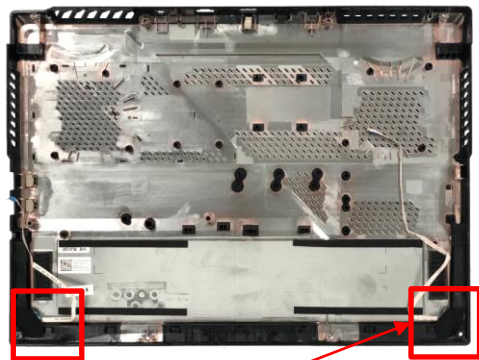
3 Disconnect



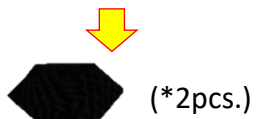
## Disassembly Notice

- Step 1 : Remove BTM U bar Mylar \*2pcs.  
 Step 2 : Remove screw\*2 pcs and LED module.  
 Step 3 : Disconnect LED R and LED L FFC\*2pcs.

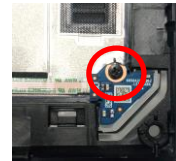
| Screws | QTY | Spec                 | Torque (kgf-cm) |
|--------|-----|----------------------|-----------------|
|        | 2   | M2*3.5L(4,0.8) (K)#1 | 2.0±0.2         |



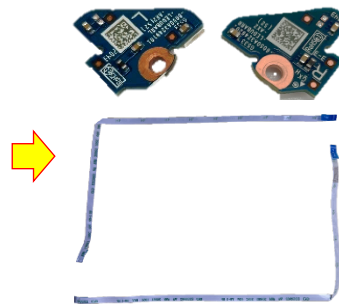
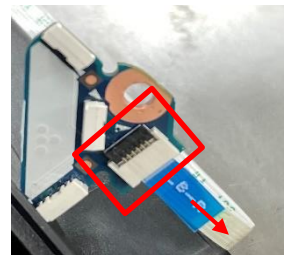
1 Tear off



2 Unscrew and Remove

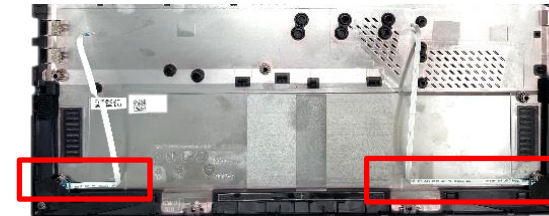


3 Disconnect

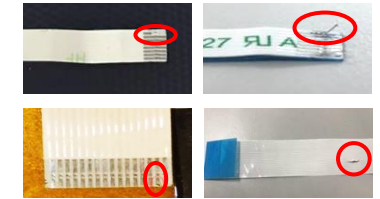


## Assembly Notice

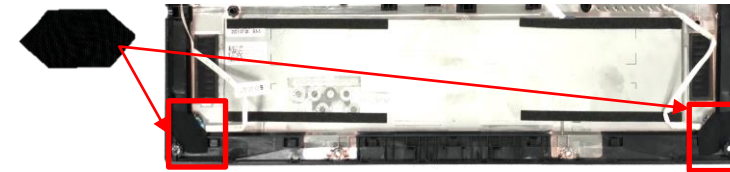
⚠ Please follow red mark below to tidy FFC.



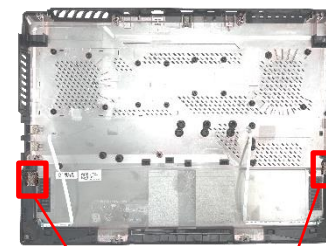
⚠ If FFC is damage during disassembly, please replace new one. Here are some samples of FFC damage:



⚠ The Mylar should not be wrinkled or skewed.



⚠ For Bottom case assembly, please check the position of the two red mark. If it is a Mylar, you need to remove it and repost the sponge.



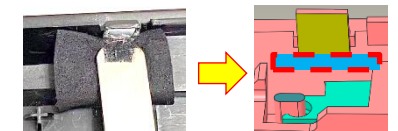
1 The sponge is aligned with the male mold surface and the cross rib.



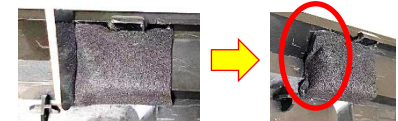
2 Smooth down



3 Smooth the blue mark.



4 Vertically smooth the gap.



## Disassembly Notice

Please be sure to pull out adapter and disconnect the battery.

Before disassembly battery connector, please be sure to pull out adapter and disconnect the battery more than ten seconds in order to IC damage.

Step 1 : Disconnect the battery connector.

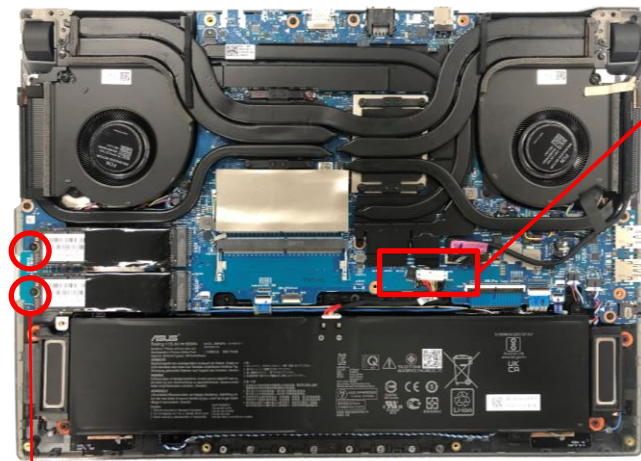
Step 2 : Remove screws \*2pcs on the SSD.

Step 3 : Remove SSD and PAD, tear off Graphite sheet.

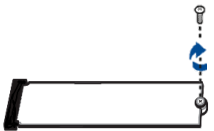
Step 4 : Remove screw \*4pcs on the BATTERY.

Step 5 : Disconnect the battery cable.

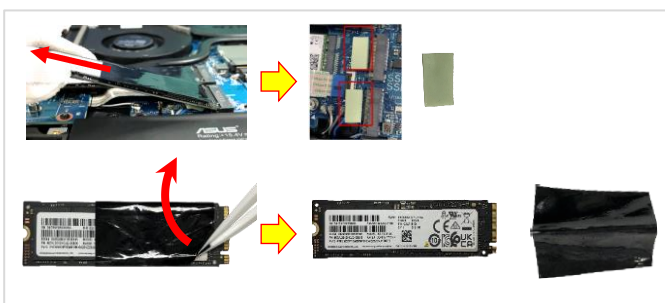
| Screws | QTY | Spec                     | Torque(kgf-cm) |
|--------|-----|--------------------------|----------------|
|        | 4   | M2*3.5L (4,0,8)(K) #1    | 2.0±0.2        |
|        | 2   | M2*2.5L (5,0,0.8) (K) #1 | 2.0±0.2        |



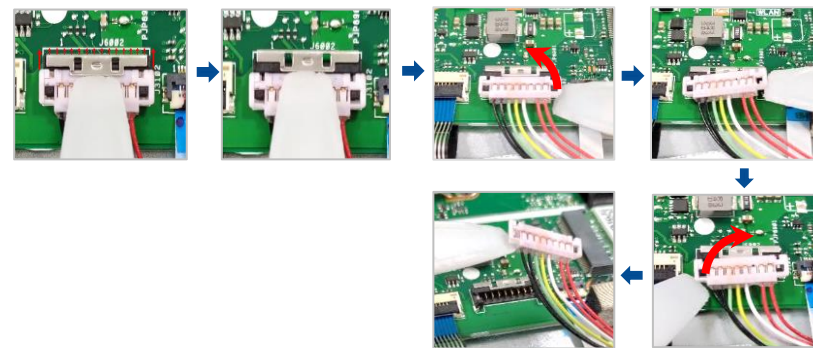
2 Unscrew



3 Remove and tear off



1 Disconnect



4 Unscrew

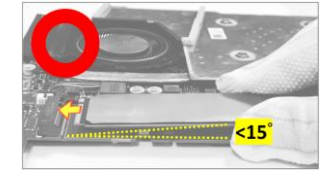
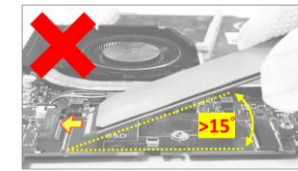


5 Disconnect



## Assembly Notice

When installing the SSD, please keep the SSD less than 15 degrees with motherboard, and then insert the SSD.



For SSD assembly, please paste the Graphite Sheet. Graphite sheet don't reuse.



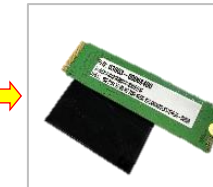
Align



Paste



Turn up



Paste



Please use this SSD slot as first priority.



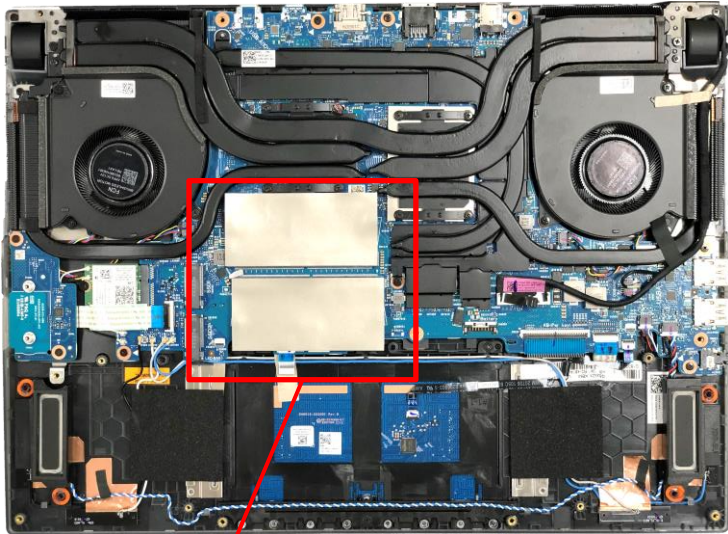
## Disassembly Notice

Please be sure to pull out adapter and disconnect the battery. 

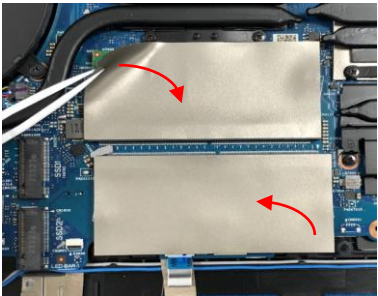
Step 1 : Tear off DDR Absorber.

Step 2 : Unlock DDR.

Step 3 : Remove DDR.



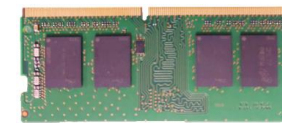
1 Tear off



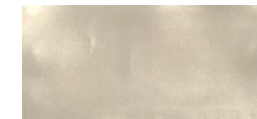
2 Unlock



3 Remove



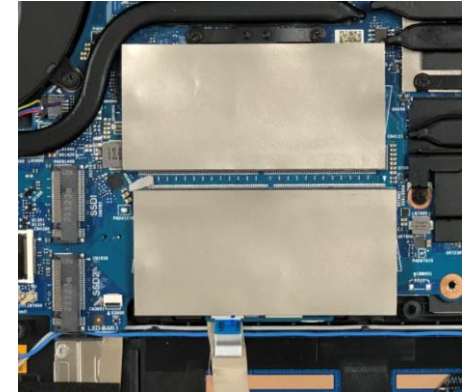
(\*2pcs)



(\*2pcs)

## Assembly Notice

 After DDR assembly, please paste the Absorber on slot.



## Disassembly Notice

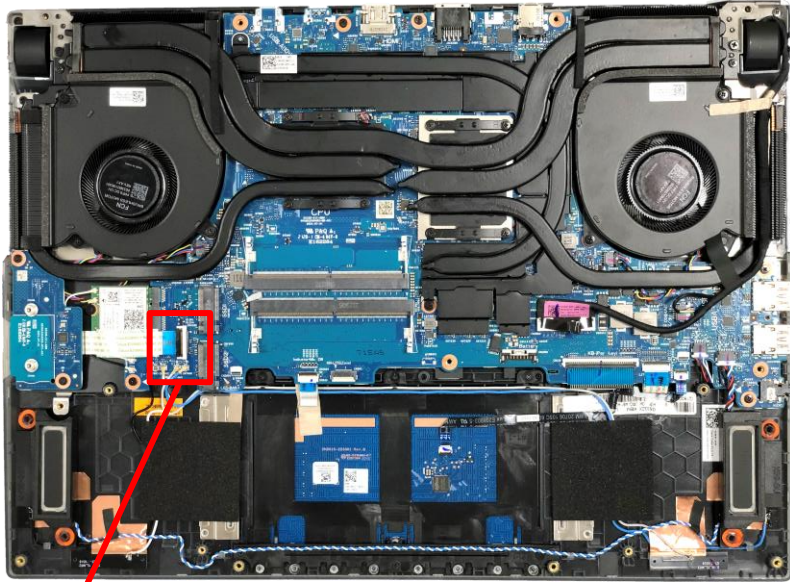
Please be sure to pull out adapter and disconnect the battery. 

Step 1 : Disconnect the FFC connector.

Step 2 : Remove BD FFC on the Mainboard.

Step 3 : Remove screws \*2pcs and remove SOUL KEY BOARD.

Step 4 : Disconnect FFC.



| Screws                                                                            | QTY | Spec                  | Torque (kgf-cm) |
|-----------------------------------------------------------------------------------|-----|-----------------------|-----------------|
|  | 2   | M2*3.5L (4,0.8)(K) #1 | 2.0±0.2         |

## Assembly Notice

 If FFC is damage during disassembly, please replace new one.  
Here are some samples of FFC damage:



1 Disconnect



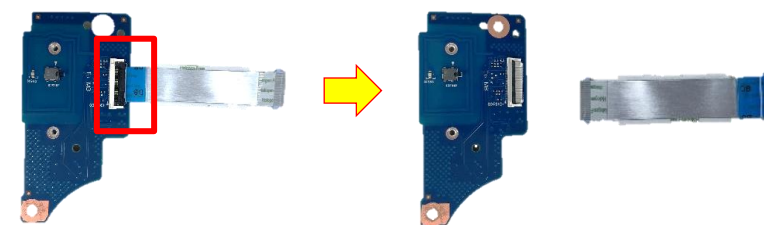
2 Remove



3 Remove



4 Disconnect



## Disassembly Notice

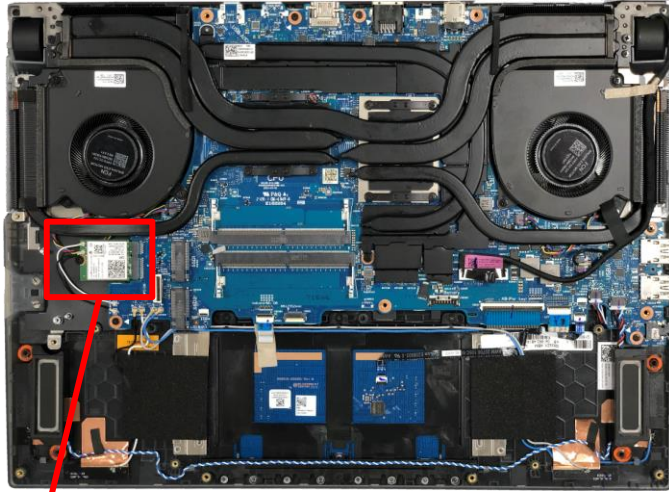
Please be sure to pull out adapter and disconnect the battery.

Step 1 : Disconnect the RF CABLE connector \*2pcs.

Step 2 : Remove the screw \*1pc.

Step 3 : Remove WIFI CARD.

| Screws | QTY | Spec                     | Torque (kgf-cm) |
|--------|-----|--------------------------|-----------------|
|        | 1   | M2*2.5L (5.0,0.8) (K) #1 | 2.0±0.2         |



1 Disconnect



2 Remove

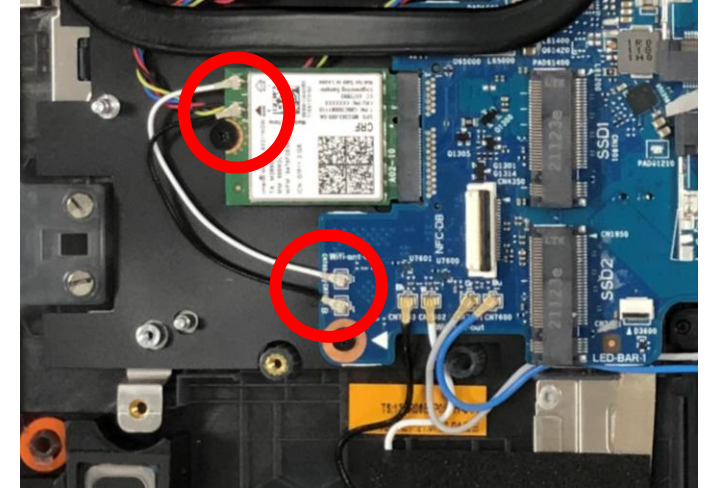


3 Remove

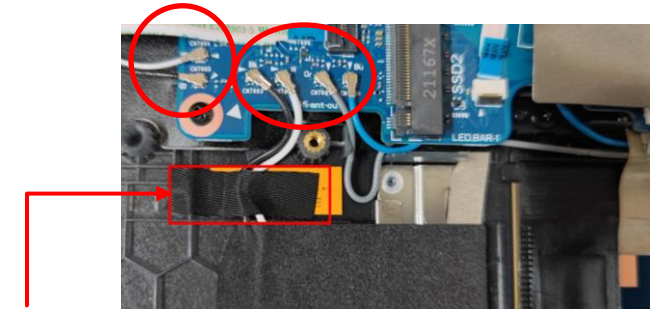


## Assembly Notice

Please according to below image to assemble RF cable.



Please according to below image to assemble ANT and RF cable.



ANTENNA CABLE ACETATE CLOTH

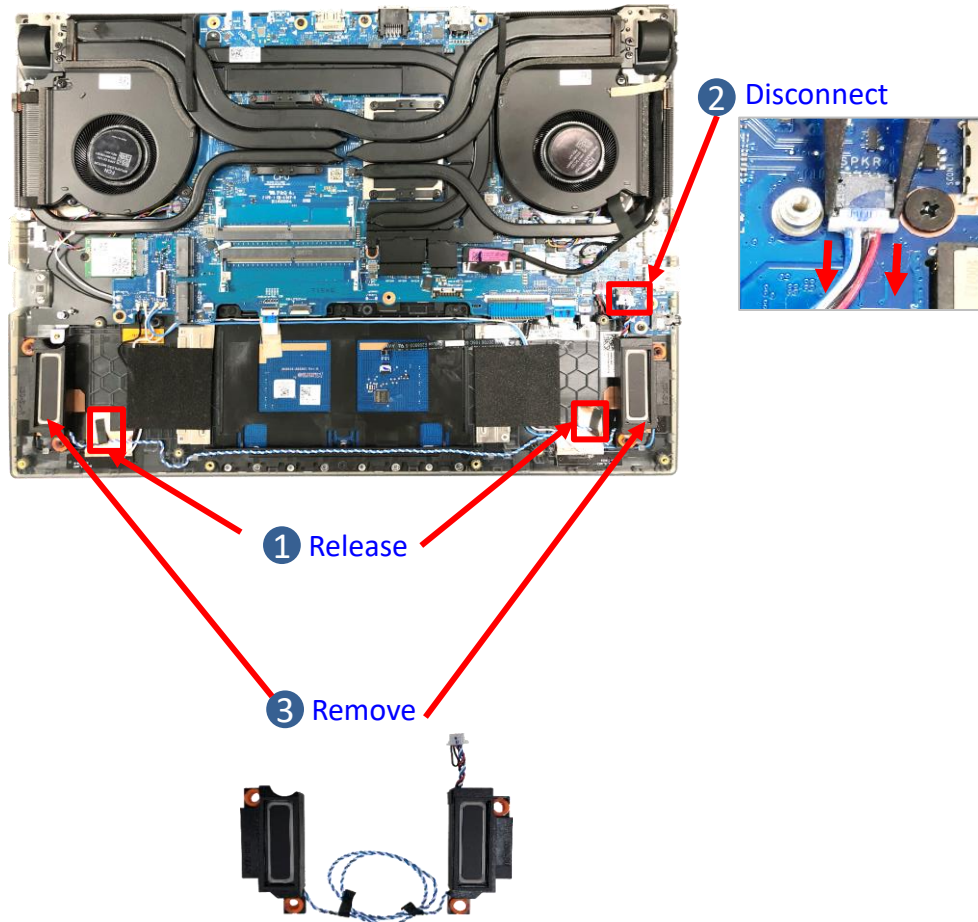
## Disassembly Notice

Please be sure to pull out adapter and disconnect the battery. 

Step 1 : Release tape \*2pcs.

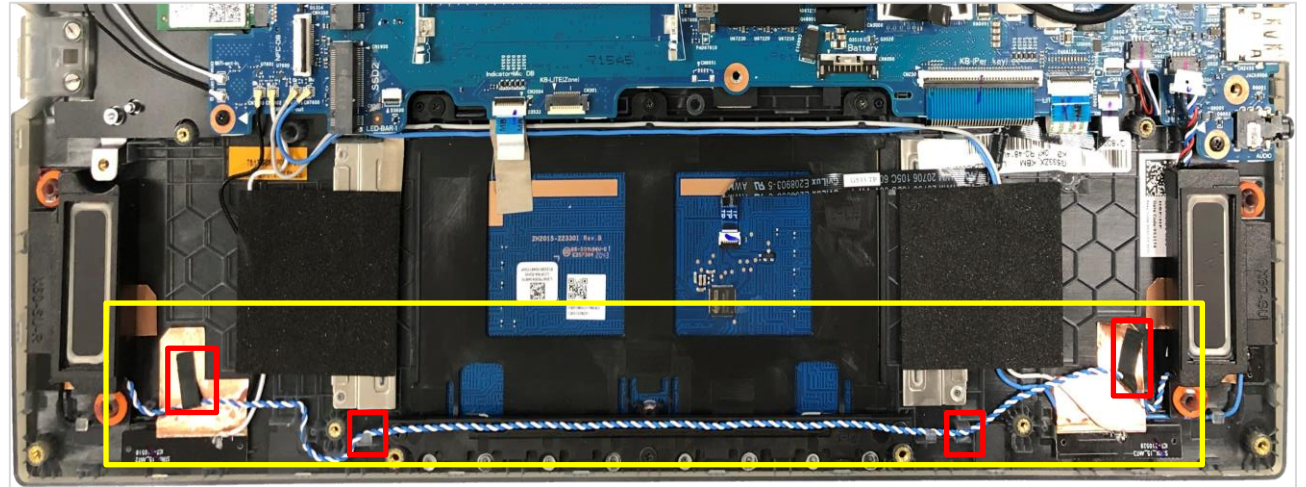
Step 2 : Disconnect the SPEAKER connector.

Step 3 : Remove the SPEAKER.



## Assembly Notice

 For Speaker assembly, please follow yellow and red mark below to tidy cable.



## Disassembly Notice

Please be sure to pull out adapter and disconnect the battery. 

Step 1 : Disconnect (yellow mark) connector.

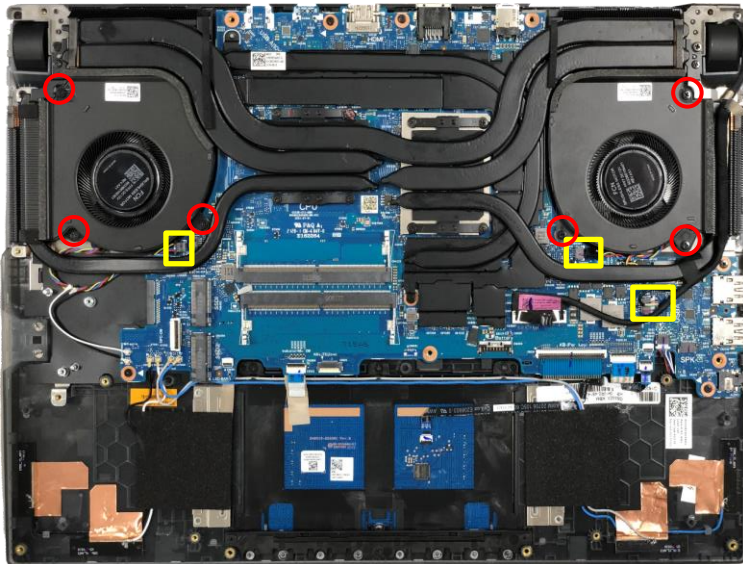
Step 2 : Remove screws \*6pcs.

Step 3 : Remove FAN \*2pcs.

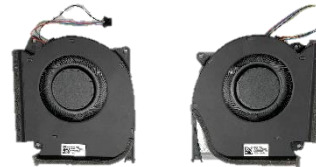
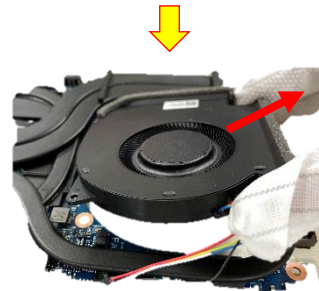
| Screws                                                                                                                                                              | QTY | Spec                     | Torque (kgf-cm) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------|-----------------|
|   | 6   | M2*4.5L (4.5,0.8) (K) #1 | 1.8±0.1         |

① Disconnect

② Unscrew

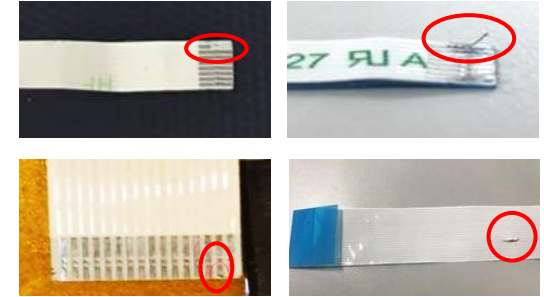


③ Remove FAN

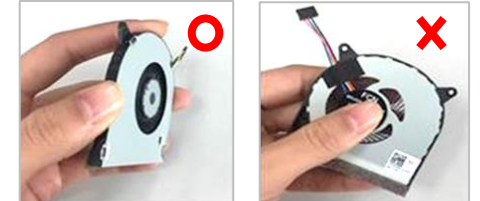


## Assembly Notice

 If FFC is damage during disassembly, please replace new one. Here are some samples of FFC damage:



 Please use the correct technique to take fans off to avoid getting out of shape.



## Disassembly Notice

Please be sure to pull out adapter and disconnect the battery. 

Step 1 : Disconnect (yellow mark) connector and release tapes (orange mark)

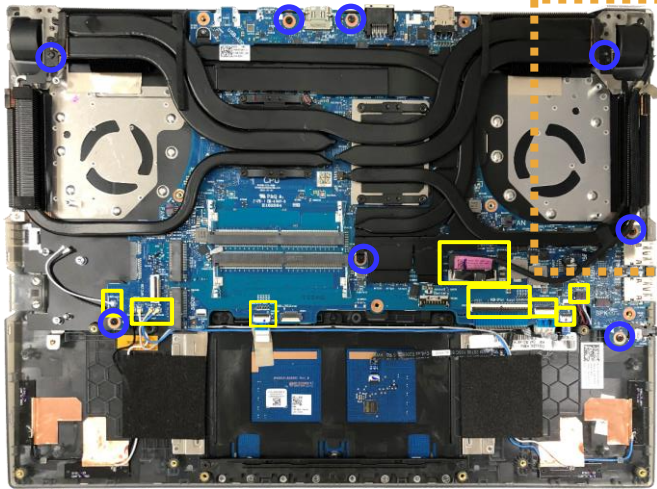
Step 2 : Remove screws \*8pcs and remove Thermal module (with MB).

Step 3 : Please follow the reverse screws numbers to remove screws \*8pcs, then remove the THERMAL MODULE from MB.

| Screws                                                                           | QTY | Spec                  | Torque (kgf-cm) |
|----------------------------------------------------------------------------------|-----|-----------------------|-----------------|
|  | 8   | M2*3.5L (4,0.8)(K) #1 | 2.0±0.2         |
|  | 8   | M2*3.5L (4,0.8)(K) #1 | 2.0±0.2         |

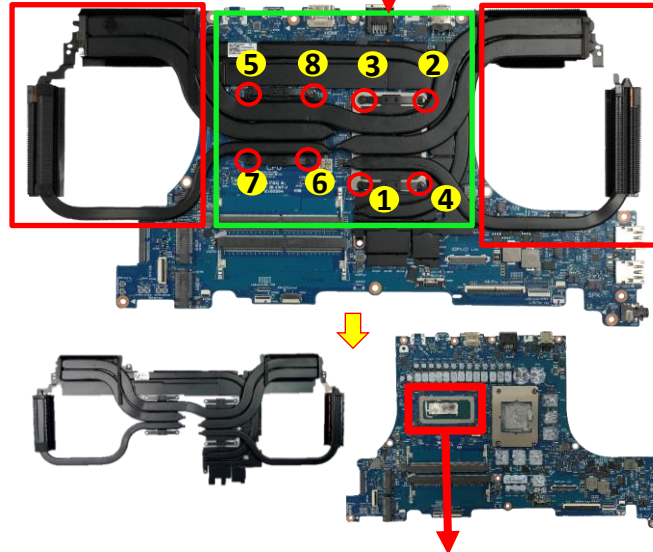
 Recommend that the force point is at green block, and pull up thermal module to take it out. Do not pull up at red block and also notice the thermal pipe should not have deformation.

## ① Disconnect and release



## ② Unscrew

## ③ Unscrew and Remove



 [This series use the New second-generation liquid metal] Please refer Repair Notice SOP for Liquid metal rework. Please distinguish (first generation/second generation) liquid metal materials according to the announcement to avoid using errors to affect notebook performance.

## Assembly Notice



1.

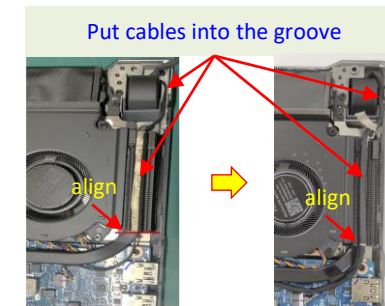
▪ THERMAL MODULE Location:[VRAM/CHOKE/MOS]  
Material: FCR-AS Grease

▪ MB Location:[GPU]  
Material: GA500 Grease

▪ MB Location:[CPU]  
Material: **Conductonaut Extreme Liquid Metal**

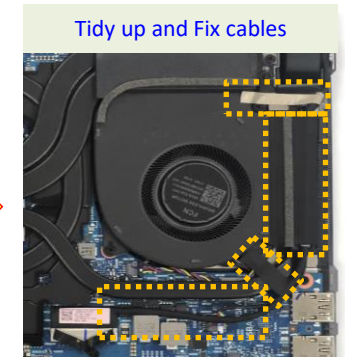
2. Please follow the screws numbers to lock screws \*8pcs.

3. Please tidy up LOGO BACK LIGHT and EDP cable according to below image.



LOGO BACK LIGHT cable

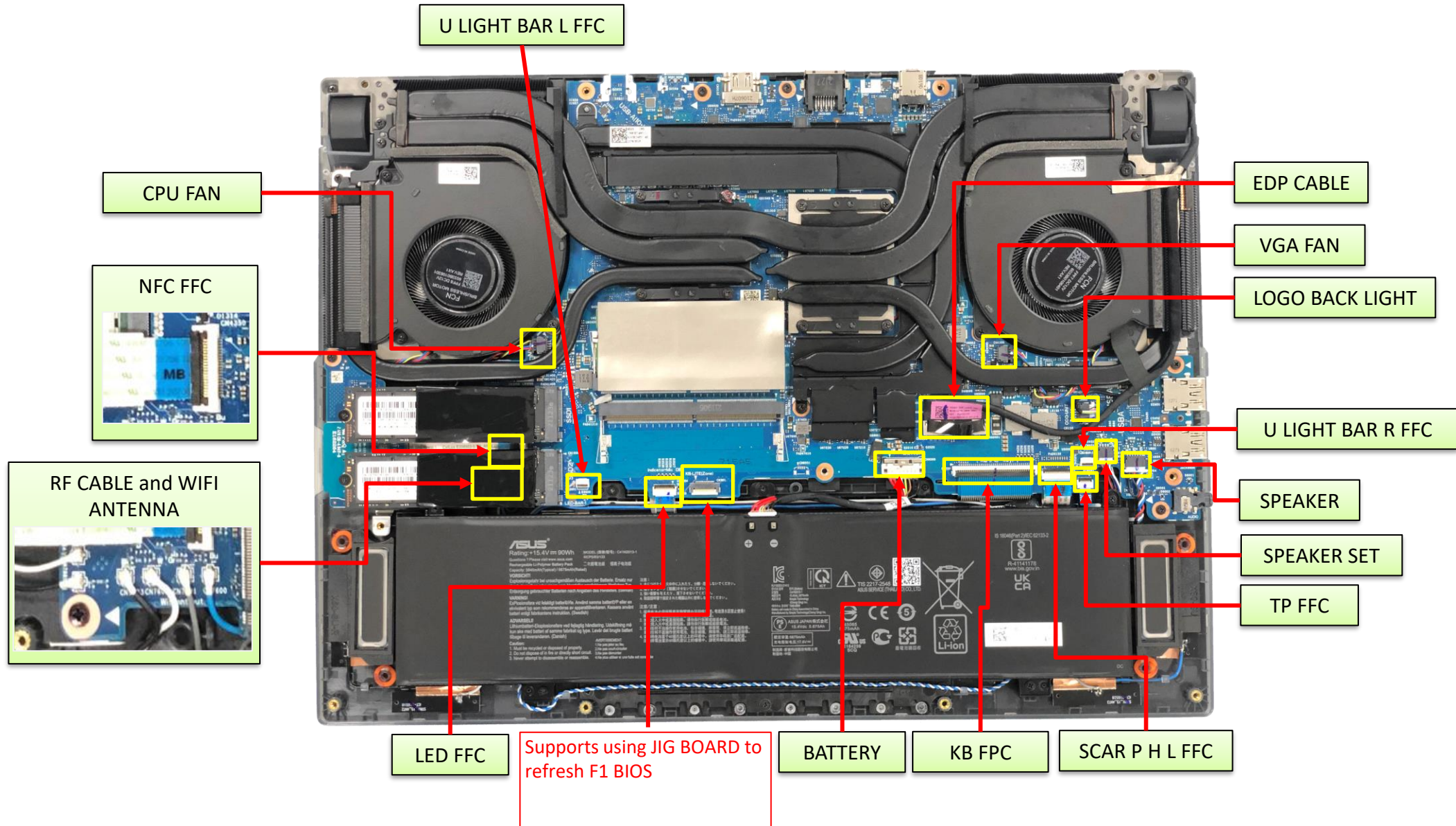
EDP cable



**IMPORTANT!** Thermal paste, thermal pads, liquid metal, or other thermal interface materials must be thoroughly removed and replaced if this component is removed. Ensure that replacement materials are available before proceeding, or contact an authorized service center for assistance.

**WARNING!** The heat sink contains liquid metal and should only be removed by authorized service personnel. Significant damage may occur to motherboard components if the heat sink is improperly removed.

## Mainboard connector placement



## Materials on mainboard

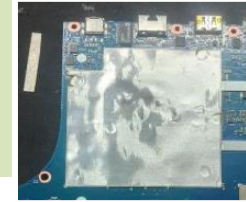
■G533ZE/ZC =X50  
G513QC HDMI GASKET | LONGYANG

■G533ZS/ZW/ZM=X60  
G533QS GPU ABSORBER

■G533ZE/ZC =X50  
G533QS CPU ABSORBER(X50 GPU)

■G533ZX=X60  
G533ZX GPU ABSORBER E8

■G533ZE/ZC =X50  
G513QC MB AL+ABSORBER



G533ZX TYPEC AL FOIL MYLAR

G532LWS CPU BKT ASSY

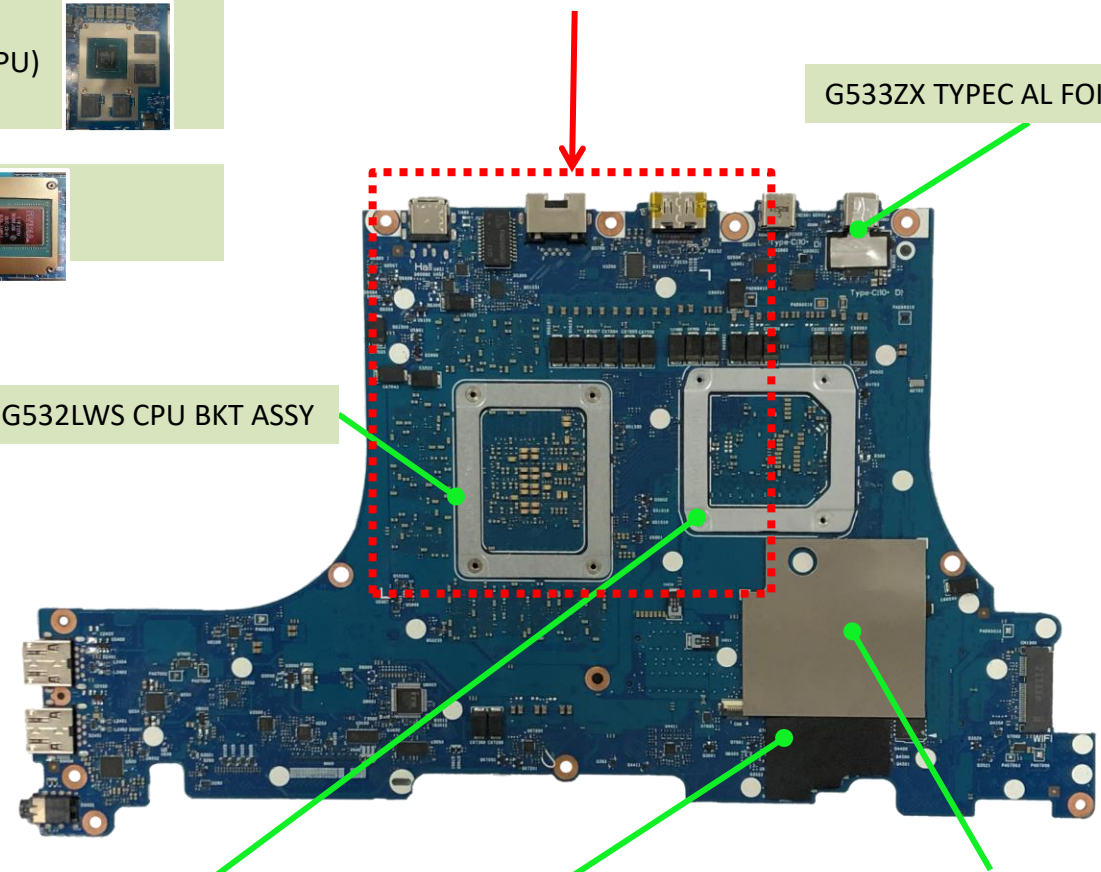
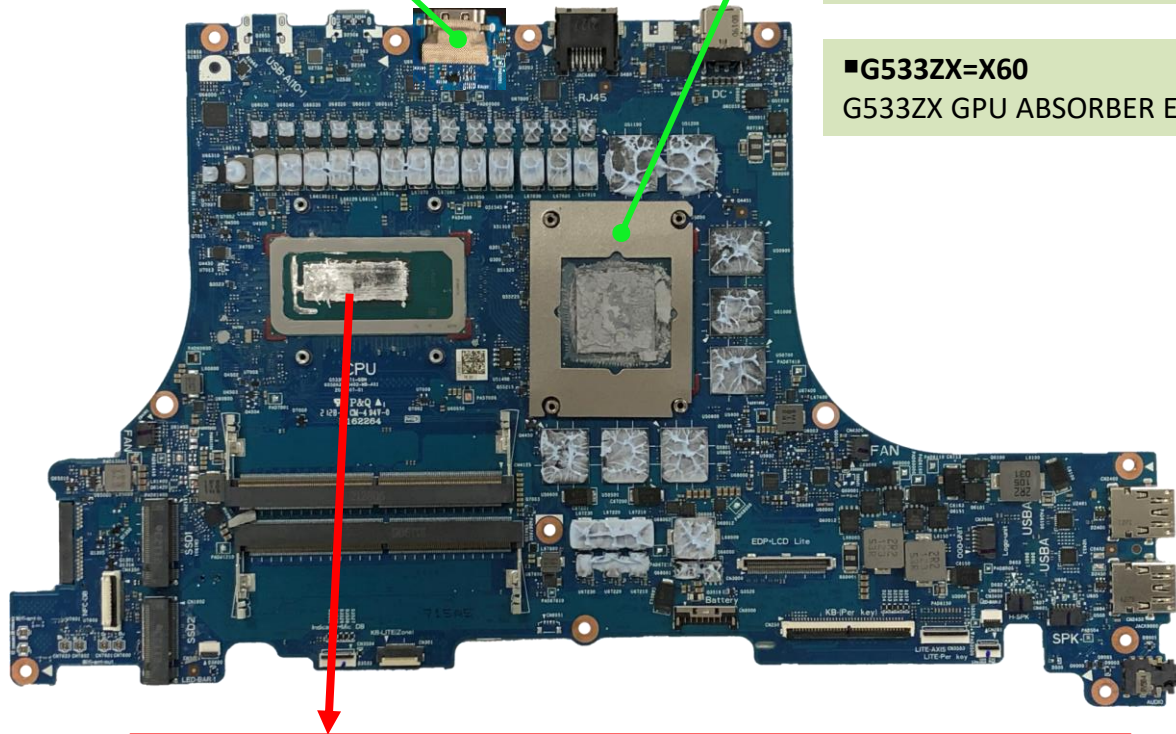
G532LWS GPU BKT ASSY

G533QS MB MYLAR

G533QS DDR ABSORBER

⚠ Please refer Repair Notice SOP for Liquid metal rework.

[This series use the New second-generation liquid metal].  
Please distinguish (first generation/second generation) liquid metal materials according to the announcement to avoid using errors to affect notebook performance.



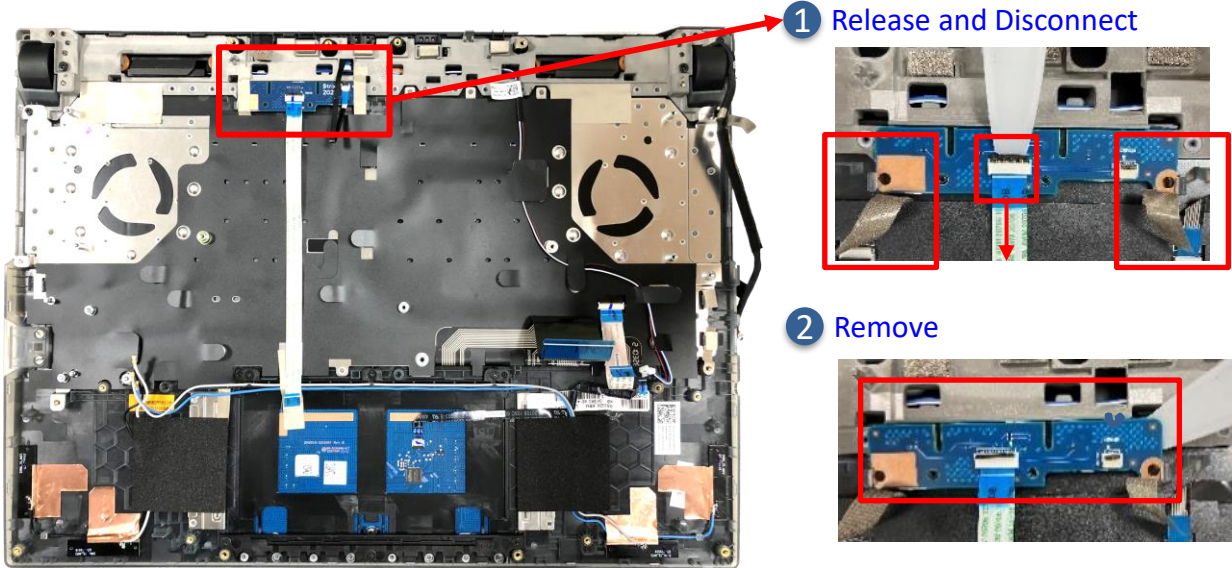
## Disassembly Notice

Please be sure to pull out adapter and disconnect the battery. 

Step 1 : Release gasket and disconnect FFC connector.

Step 2 : Remove INDICATOR BOARD.

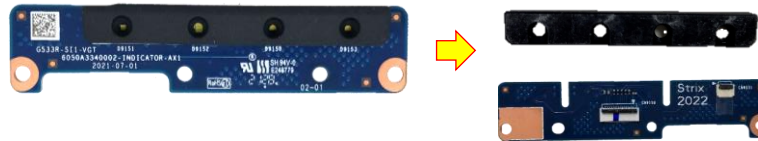
Step 3 : Remove LED BD rubber from INDICATOR BOARD.



1 Release and Disconnect

2 Remove

3 Remove



## Assembly Notice

 If FFC is damage during disassembly, please replace new one. Here are some samples of FFC damage:

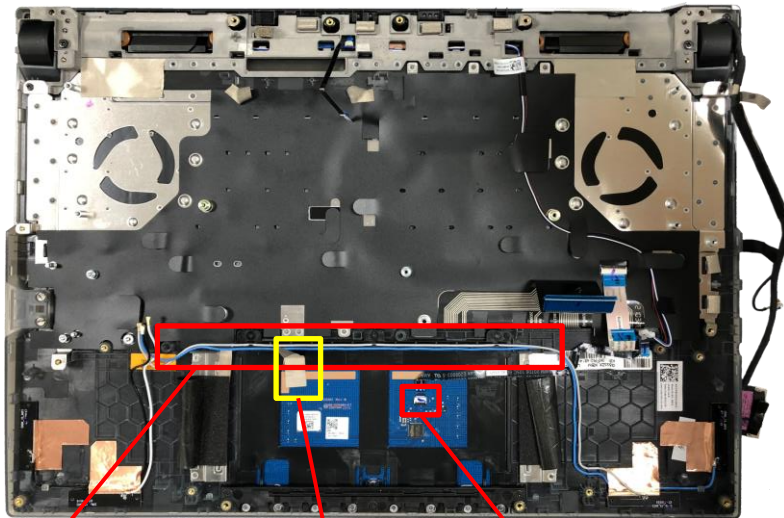


## Disassembly Notice

Please be sure to pull out adapter and disconnect the battery.

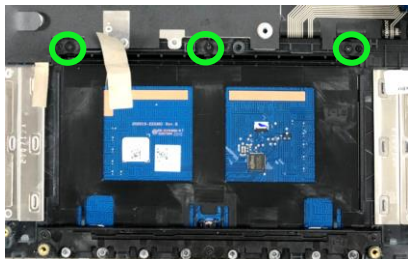
- Step 1 : Take away the Antenna cable.
- Step 2 : Tear off the gasket.
- Step 3 : Disconnect and remove TP FFC.
- Step 4 : Remove screws\*3pcs.
- Step 5 : Remove TOUCHPAD MODULE.

| Screws | QTY | Spec                 | Torque (kgf-cm) |
|--------|-----|----------------------|-----------------|
|        | 3   | M2*2.5L (5,0.5)(K)#1 | 1.5±0.2         |

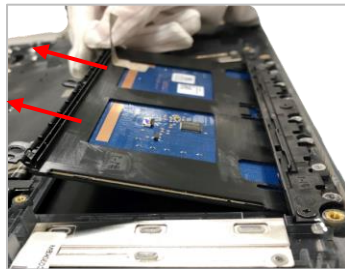


1 Take away      2 Tear off      3 Disconnect

4 Unscrew



5 Remove



## Assembly Notice

When reassembly TOUCHPAD, please make sure to paste below parts.

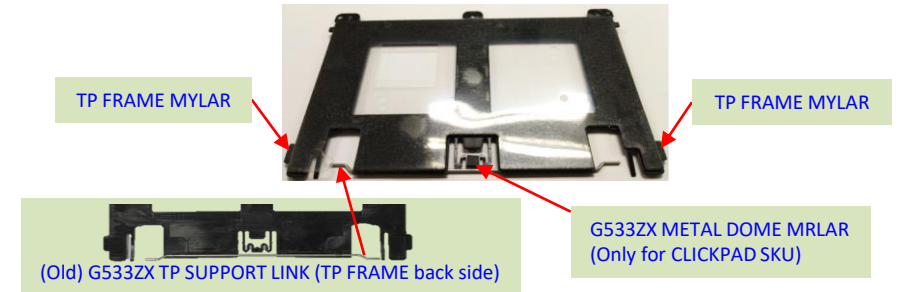


## Assembly Notice

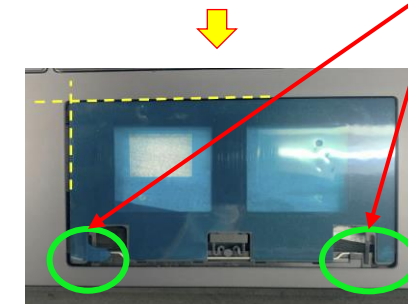
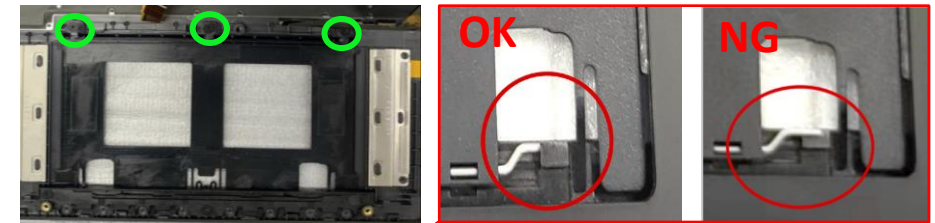


For **New TOUCHPAD Module** assembly, please follow the steps below.

Step-1: Assembly below parts on new TP FRAME.



Step-2: Assembly TP FRAME on Top case, paste TP PCB TAPE and tear off the release paper.



Step-3: Assembly TouchPad.



## Disassembly Notice

Please be sure to pull out adapter and disconnect the battery. 

Step 1 : Remove screws \*4pcs.

Step 2 : Slip and remove THERMAL COVER.

Step 3 : Remove screw \*1pc.

Step 4 : Remove hinge cover.

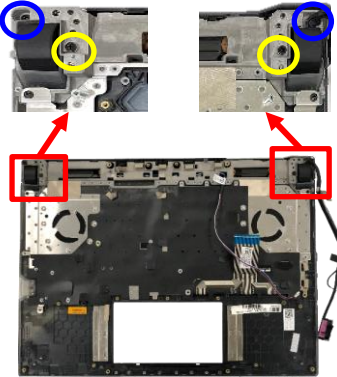
Step 5 : Remove screws \*6pcs.

Step 6 : Open and remove Keyboard module.

Step 7 : Remove speaker woofer \*1pc.

| Screws                                                                                                                                                              | QTY | Spec                     | Torque (kgf-cm) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------|-----------------|
|   | 2   | M2.5*4.5L(4.5,0.8) (K)#1 | 2.5±0.2         |
|   | 2   | M2*3.5L (4,0.8)(K) #1    | 2.0±0.2         |
|   | 1   | M1.6*3L (2.9,0.4) (K) #0 | 2.0±0.2         |
|                                                                                    | 6   | M2.5*4.5L(4.5,0.8) (K)#1 | 2.5±0.2         |

1 Remove



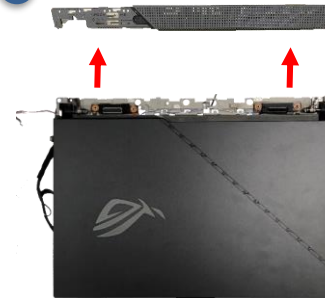
2 Slip and remove



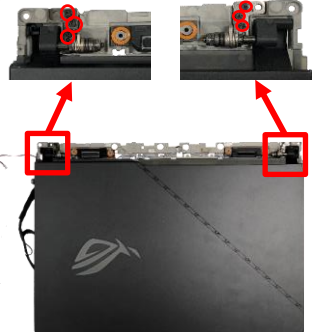
3 Unscrew



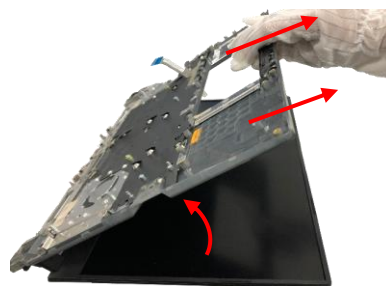
4 Remove



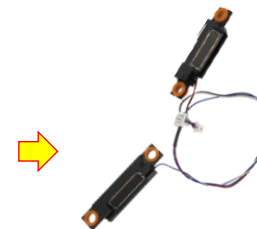
5 Unscrew



6 Open and remove

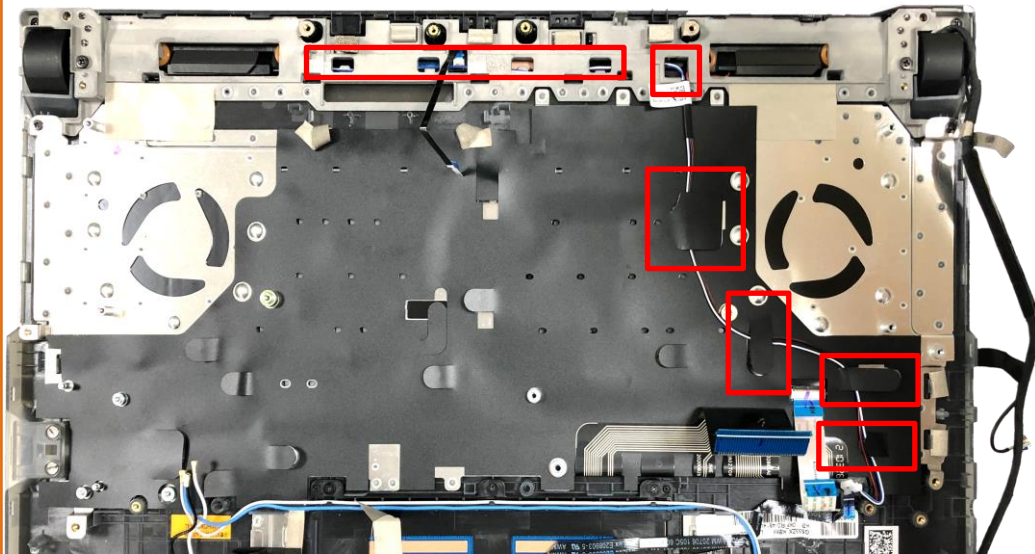


7 Remove

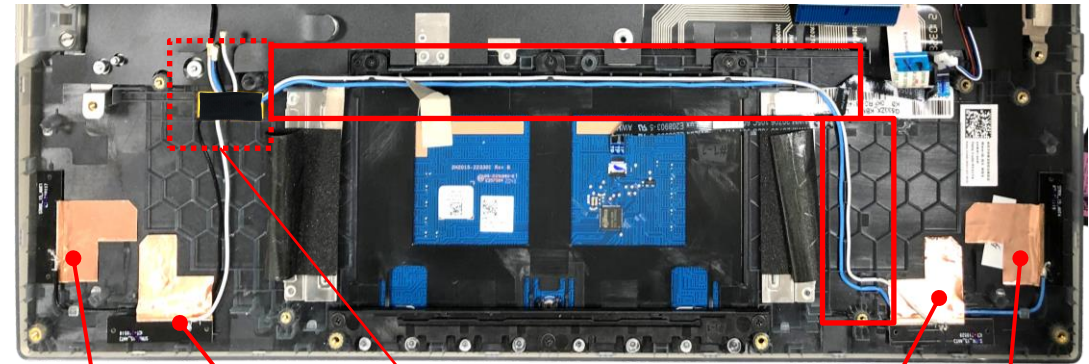


## Assembly Notice

⚠ Please follow the red mark to tidy speaker woofer cable.



⚠ Please follow the red mark location to assembly and tidy WIFI ANTENNA.



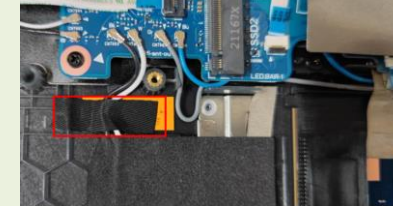
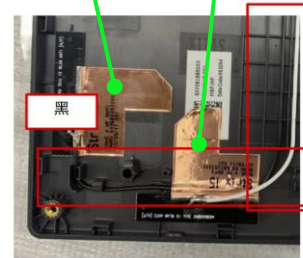
ANT1

ANT2

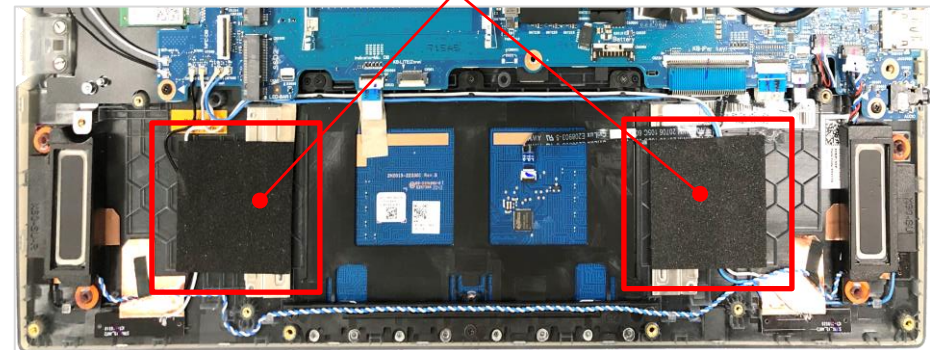
ANTENNA CABLE ACETATE CLOTH

ANT3

ANT4



Paste TOP CASE SPONGE



## Disassembly Notice

Please be sure to pull out adapter and disconnect the battery. 

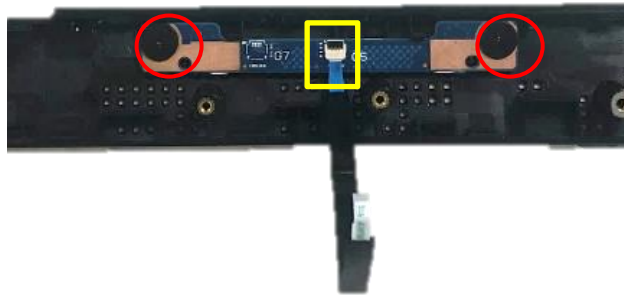
Step 1 : Disconnect the MIC FFC and remove the screws \*2pcs, remove MIC BOARD from hinge cover.

Step 2 : Remove MIC RUBBER \*2pcs.

| Screws                                                                                                                                                              | QTY | Spec               | Torque (kgf-cm) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------------|-----------------|
|   | 2   | M2*2L(8,0.8) (K)#1 | 2.0±0.2         |



① Disconnect and Remove



② Remove



## Assembly Notice

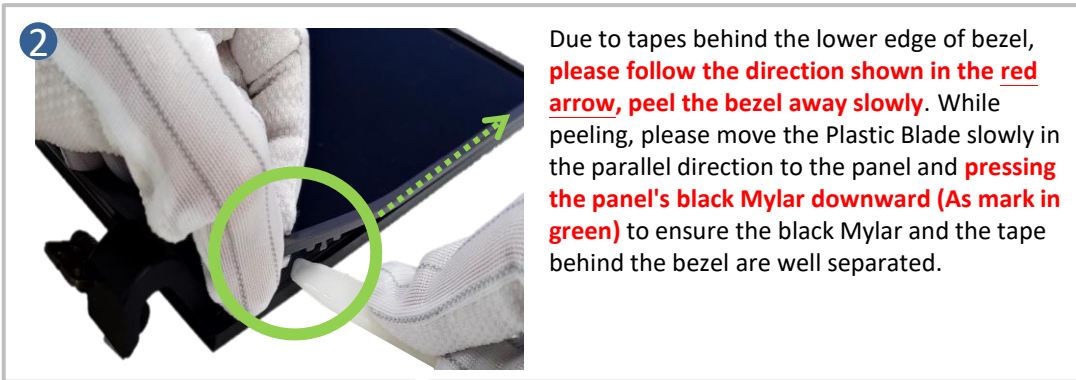
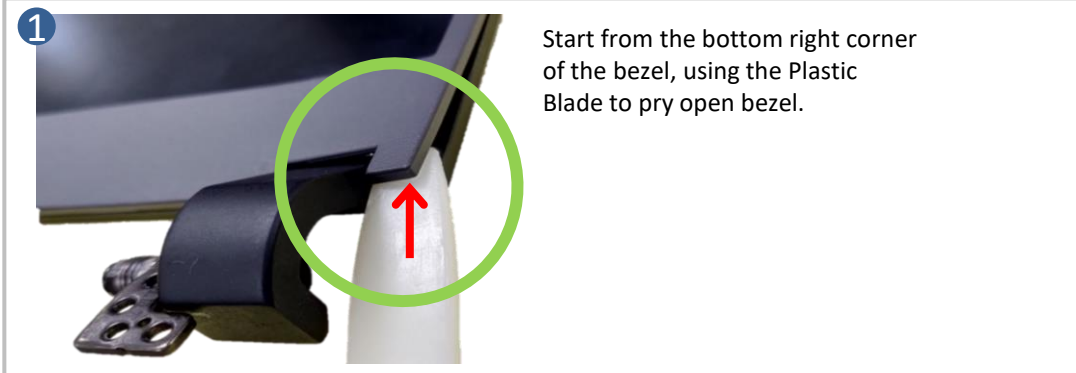
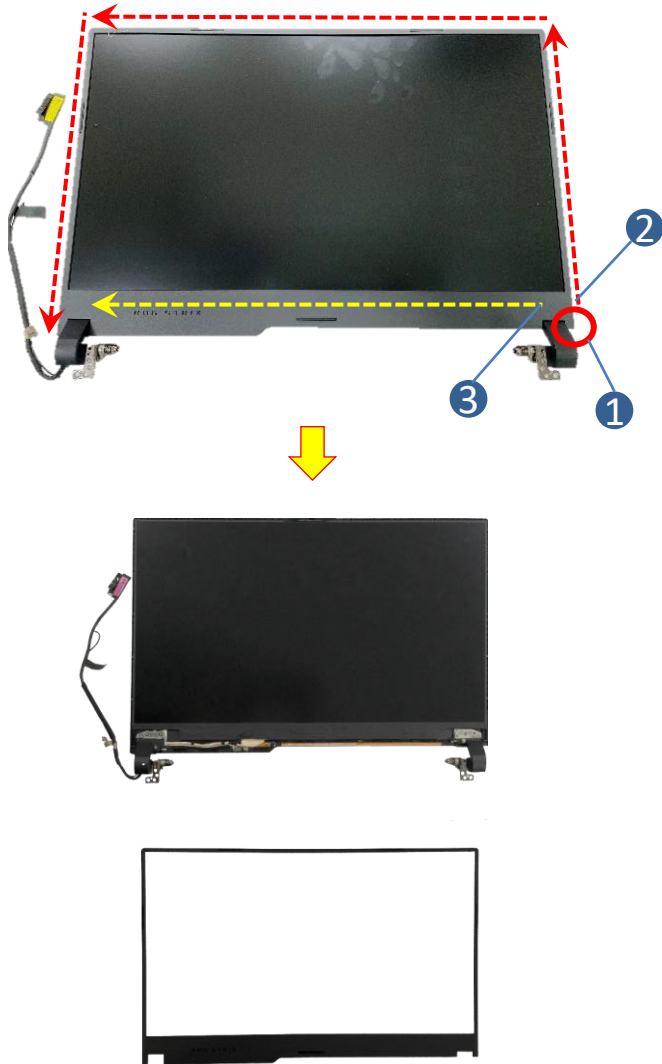
 If FFC is damage during disassembly, please replace new one.  
Here are some samples of FFC damage:



## Disassembly Notice

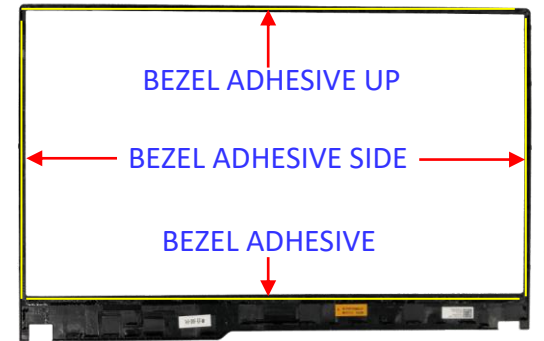
Please be sure to pull out adapter and disconnect the battery.

Remove LCD BEZEL.



## Assembly Notice

**When reuse the LCD BEZEL:**  
Please paste new LCD BEZEL ADHESIVE before assembly BEZEL.  
(New LCD BEZEL already contains LCD BEZEL ADHESIVE \*4pcs)



Due to tapes behind the lower edge of bezel, please follow the direction shown in the yellow arrow, peel the bezel away slowly. While peeling, please move the Plastic Blade slowly in the parallel direction to the panel and pressing the panel's black Mylar downward (As mark in green) to ensure the black Mylar and the tape behind the bezel are well separated.

## Disassembly Notice

Please be sure to pull out adapter and disconnect the battery. 

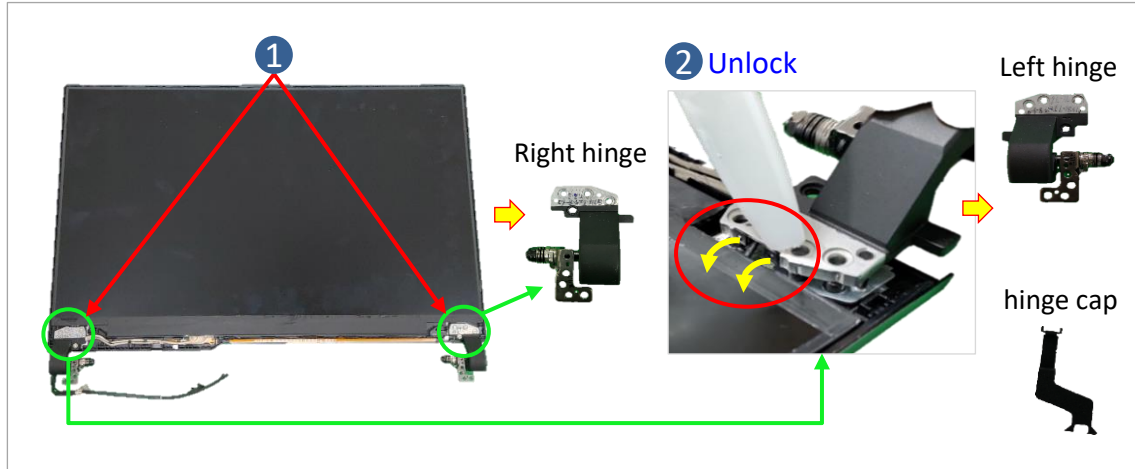
Step 1 : Remove screws \*8pcs, then remove Right hinge.

Step 2 : Unlock hinge cap hook, then remove Left hinge.

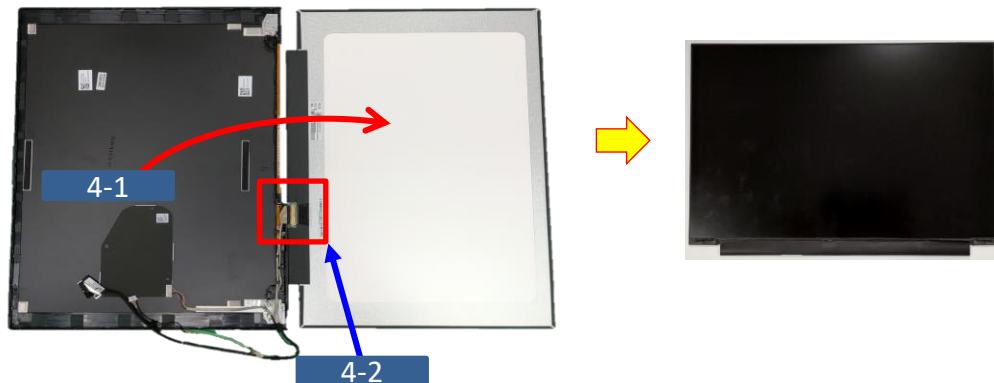
Step 3 : Pull out LCD adhesive \*2pcs.

Step 4 : Disconnect the EDP cable then separate LCD PANEL.

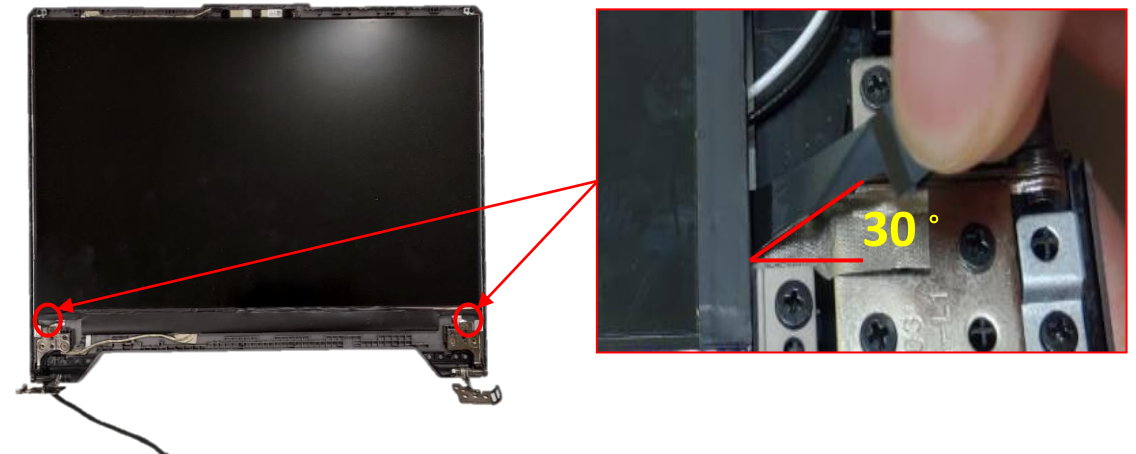
| Screws                                                                             | QTY | Spec                  | Torque (kgf-cm) |
|------------------------------------------------------------------------------------|-----|-----------------------|-----------------|
|  | 8   | M2*3L (4.5,0.5) (K)#1 | 2.5±0.2 kgf-cm  |



4 Flip up the panel, and disconnect the EDP cable.



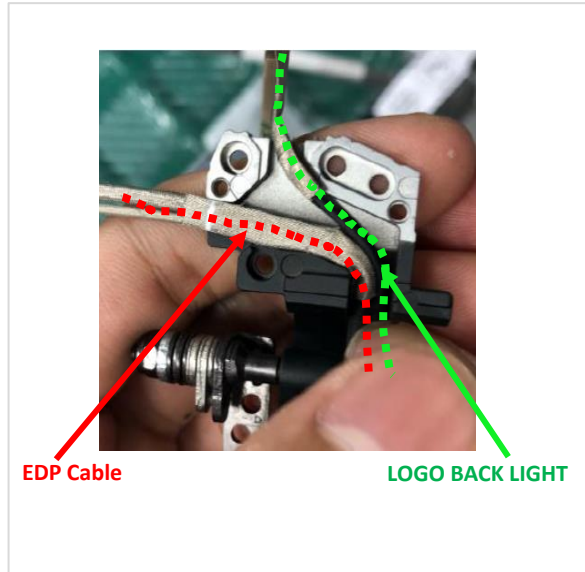
3  Please pull the adhesive up about 30 degree slowly, and don't pull out the tape in vertical direction!



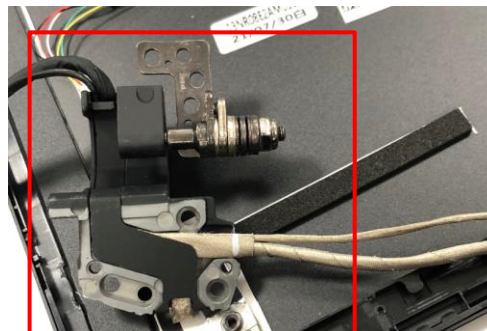
**Assembly Notice**

Please be sure to pull out adapter and disconnect the battery. 

- A** Before assembly Left hinge, please follow the steps to tidy up EDP cable, hinge cap and Left hinge.

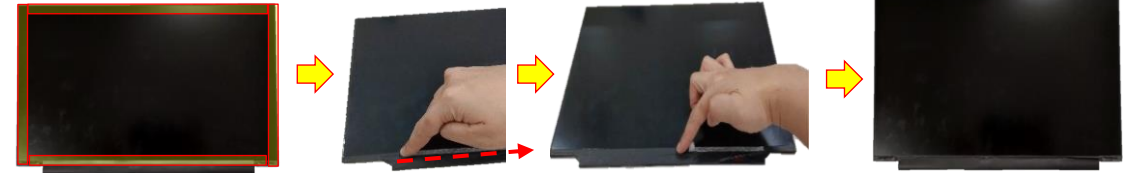


Done



- B** When Assembly LCD PANEL :

1. Please use the fingertip to clean the residual glue on PANEL.



2. Assembly and align the LCD to the upper side of the LCD Cover.



## Disassembly Notice

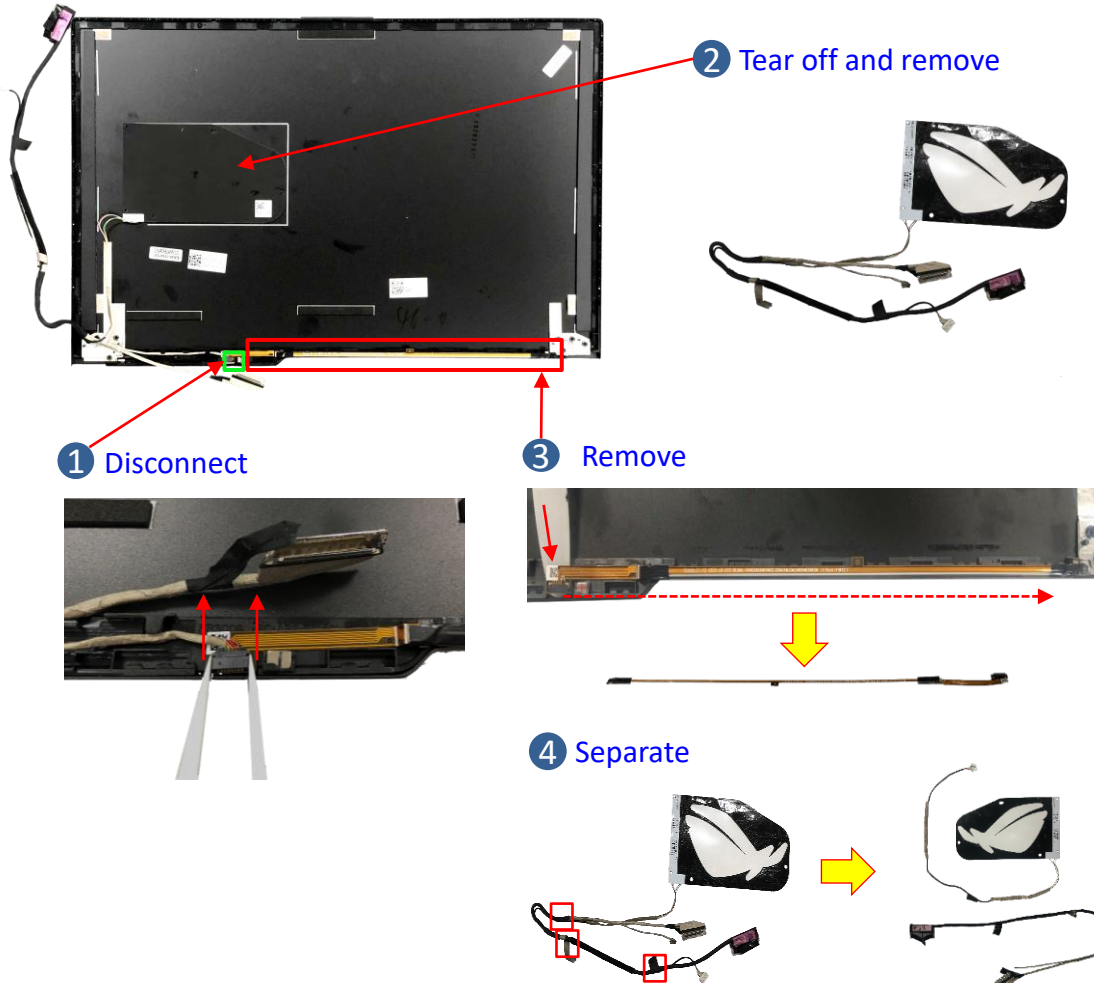
Please be sure to pull out adapter and disconnect the battery. 

Step 1 : Disconnect the EDP CABLE then remove it.

Step 2 : Tear off LOGO BACK LIGHT MODULE.

Step 3 : Remove V Cut lighting.

Step 4 : Separate the EDP cable and LOGO BACK LIGHT MODULE.

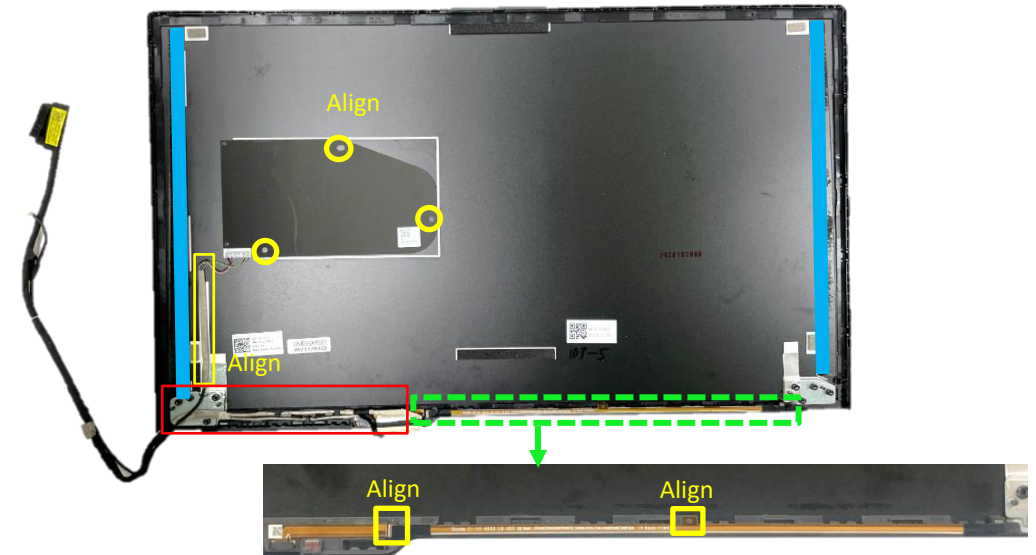


## Assembly Notice

**A When replace or reuse the LCD COVER:**

Please check paste the following parts and tidy up cable :

1. LCD ADHESIVE \*2pcs (Blue mark) (New LCD COVER already contains LCD ADHESIVE \*2pcs)
2. LOGO BACK LIGHT MODULE \*1pc (Yellow mark)
3. V cut lighting \*1pc (Green mark).



**B Please tidy up EDP and V cut lighting cable according to below image.**

