

# **Repair Manual**

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### **Notes**

All functions, features, specifications and other device information provided in this document, including but not limited to the device's advantages, design, price, components, performance, availability and functionality, are subject to subsequent changes without further notice. Xiaomi reserves the right to modify this document or the device described herein at any time without obligation to provide notice of such changes.

### Repair Precautions

Xiaomi is not responsible for any damage or defects caused by repairs by unauthorized service providers, self-repairs, or repairs by non-professionals. Xiaomi is not responsible for damage to the device, personal injury, or other device safety issues caused by attempts to repair the device without following these repair and maintenance instructions.

Damage or defects caused by attempts to repair the device by anyone other than a Xiaomi-certified service provider are not covered by the warranty.

- Because most electronic components are sensitive to electromagnetic forces, use a demagnetizing tool designed for minor electronic repairs.
- When repairing the device, use a high-quality screwdriver. Avoid damaging the screw heads with inferior screwdrivers.
- Always use OEM (Original device Manufacturer) replacement parts. Using third-party replacement parts may not work properly and may cause fire or personal injury.
- Certain parts, such as sensors (laser autofocus/proximity/fingerprint sensors), rear cameras, TSP (touch screen), speakers, and other components, may require calibration to guarantee their performance after repair.
- If your device is waterproof and dustproof, its waterproof and dustproof performance is not guaranteed if it is repaired by you or other non-professional workers.
- If you need to access the device's fault data or require a more detailed diagnosis, please visit a Xiaomi Service Center.
- If you need to replace an unsold part, please visit the Xiaomi Service Center and get further guidance.
- Before repairing, be sure to back up all important data stored in the device to avoid data loss.

## Instructions for Use

Before performing repairs, be sure to wear appropriate safety device.

Xiaomi is not responsible for any injuries that may occur as a result of not wearing appropriate safety device. Please read the Disassembly and Assembly Tools carefully, understand the list of tools required to assemble and disassemble the device.

- Always repair the device in a safe place.
- Before repairing the device, make sure the device is turned off.
- If the device If the device is damaged, emits smoke, or if you smell something burning, stop using the device immediately and contact Xiaomi.
- It is recommended to wear safety device such as glasses, gloves, and masks when repairing the device.
- When removing the back cover, be careful not to damage the device.
- Before assembly, make sure there are no screws or foreign objects around the battery.
- During assembly, check for any abnormalities before reinstalling the back cover, and be careful not to hit or damage the battery. If the battery is damaged, please go to a Xiaomi Service Center.
- Do not heat the device directly in a microwave.
- Before repairing the device, make sure the battery is fully discharged.
- You can visit (<https://spare-parts.mi.com/>) to view device information, related materials and safety information.

### **ESD (Electrostatic Discharge) Precautions**

Electrostatic discharge is the sudden flow of electricity between two charged objects due to contact, short circuit, or dielectric breakdown. ESD can negatively affect mobile devices, especially electronic components.

- It is recommended to use ESD-safe (antistatic) device, such as antistatic wrist straps and gloves, and ESD-safe mats when repairing devices.
- Increase airflow in the work area to reduce the possibility of accidental electrostatic discharge, which may increase in low humidity environments (such as air-conditioned rooms).

### **OTA upgrade**

You can check system updates by clicking on the system version number in the phone settings. If the system needs to be upgraded, you can click on the details to view the update log to understand the details of the upgrade and decide whether to update the system version based on your actual situation.

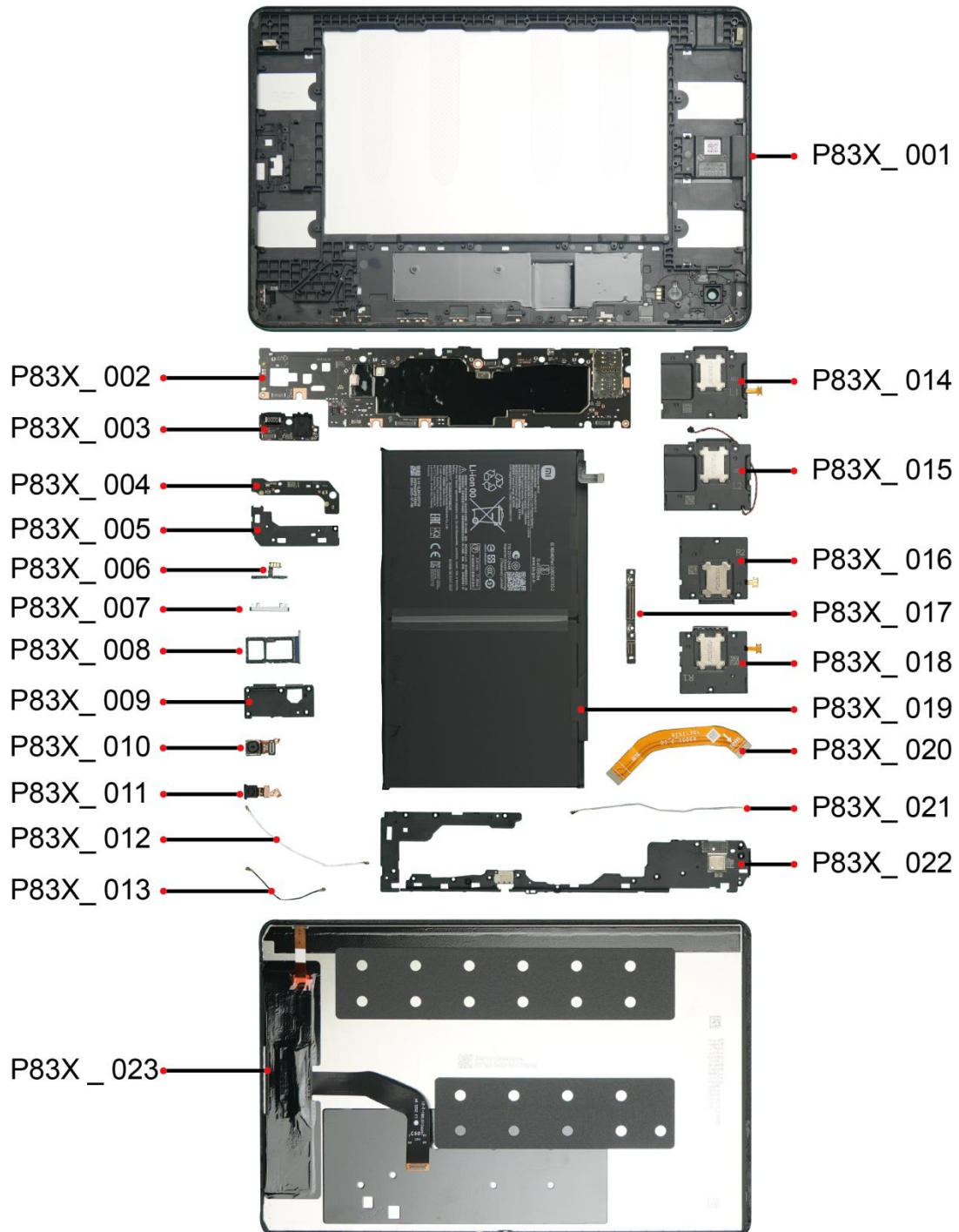


### Icon Description

-  **Warning:** Situations that could cause harm to yourself or others;
-  **Caution:** Situations that may cause damage to your device or other device;
-  **Tip:** Notes, usage tips, or other information;
-  **Customers:** If you are the customer, please refer to the precautions/operations under this icon;
-  **Professional authorized repairer:** If you are the professional authorized repairer, please refer to the precautions/operations under this icon.

## Materials and List

### Materials



## List

| Serial number | Name                    |
|---------------|-------------------------|
| P83X_001      | Battery Cover Assy      |
| P83X_002      | Mainboard Assy          |
| P83X_003      | Sub-Board Assy          |
| P83X_004      | ANT-Board Assy          |
| P83X_005      | Holder Assy-ANT Board   |
| P83X_006      | FPC-Volume Key          |
| P83X_007      | Volume Key              |
| P83X_008      | SIM Tray                |
| P83X_009      | Compact holder-Subboard |
| P83X_010      | Camera-Rear             |
| P83X_011      | Camera-Front            |
| P83X_012      | Coaxial Cable-White     |
| P83X_013      | Coaxial Cable-Black     |
| P83X_014      | Speaker-L1              |
| P83X_015      | Speaker-L2              |
| P83X_016      | Speaker-R2              |
| P83X_017      | Steel-Battery           |
| P83X_018      | Speaker-R1              |
| P83X_019      | Battery                 |
| P83X_020      | Main FPC Assy           |
| P83X_021      | Coaxial Cable-Grey      |
| P83X_022      | Mainboard Cover Assy    |
| P83X_023      | TP Module               |

## Tools and Materials

### Tools

 When disassembling and assembling the phone, please be sure to wear protective device to prevent injury.

| Tool Name                                     | Diagram                                                                             | Details                                                            | Target users                                                                                                                                                                |
|-----------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety Goggles                                |    | Prevent accidents during repair (protective device).               |       |
| Safety Gloves<br>(ESD safe,<br>cut-resistant) |  | Prevent accidents during repair (protective device).               |   |
| Safety Mask                                   |  | Prevent accidents during repair (protective device).               |   |
| Anti-static Wrist<br>Strap                    |  | Prevent static electricity from damaging the device (recommended). |   |

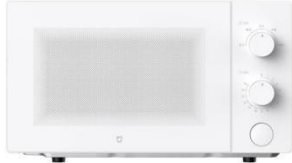
## Tool Preparation

| Tool Name            | Diagram                                                                             | Details                                                                                                                                                                                                                                                                                         | Target users                                                                                                                                                                |
|----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ESD Safe Mat         |    | Prevent static electricity from damaging the device (recommended).                                                                                                                                                                                                                              |       |
| Ejection Pin         |    | Used to remove the SIM Card Tray (necessary tool).                                                                                                                                                                                                                                              |       |
| Phillips Screwdriver |    | Used to remove screws (necessary tool).                                                                                                                                                                                                                                                         |       |
| Plastic Pry Bar      |  | For removing wiring harness connections and other components (necessary tool).                                                                                                                                                                                                                  |   |
| Suction Cup          |  | Used for disassembling and assembling the back cover and screen (necessary tool);<br> If your display is cracked, the suction cup may not stick properly and be careful not to get cut by the broken pieces. |   |

## Tool Preparation

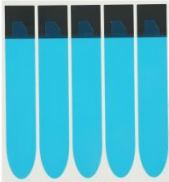
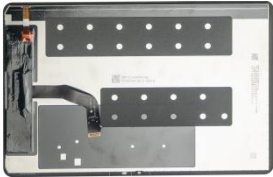
| Tool Name         | Diagram                                                                             | Details                                                                                                                                                                                                                                                                                                                                                                                          | Target users                                                                                                                                                                |
|-------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ESD Safe Tweezers |    | <p>Used for disassembly and assembly of small parts (necessary tool);</p> <p> Please do not use metal tweezers to avoid scratching the device and damaging it with static electricity.</p>                                                                                                                      |       |
| Plastic pry tool  |  | <p>Used to remove the battery cover and other parts (necessary tool);</p> <p> Other sturdy sheets can be used instead (plastic sheets);</p> <p> Please do not use metal sheets or blades to avoid damaging the device.</p> |   |

## Tool Preparation

| Tool Name                    | Diagram                                                                             | Details                                                                                                                                                                                               | Target users                                                                          |
|------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Heating Bag                  |    | Used to heat when removing the back cover (necessary tool);<br> Use the tabs as handles when heating to avoid burns. |    |
| Micro-wave Oven              |    | For heating the Heating Bag (necessary tool).                                                                                                                                                         |    |
| Adhesive Backing Fixing Tool |  | Used to position the adhesive when sticking the TP Module.                                                                                                                                            |  |
| Heating Platform             |  | When removing the battery cover, heat the adhesive on the battery cover to make it easier to separate the battery cover from the device.                                                              |  |

## Consumables (adhesives and other materials)

-  Consumables may vary depending on the repair parts, country, region or repair provider.  
The content in the table is for reference only.

| Name                                         | Diagram                                                                             | Details                                          | Target users                                                                                                                                                                |
|----------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Adhesive-TP                                  |    | Used when attaching the TP Module to the device. |       |
| Easy Release<br>Adhesive-Battery-<br>Battery |    | Used when attaching the battery to the device.   |       |
| Front Cover<br>Display Module                |  | Used when replacing the screen.                  |   |



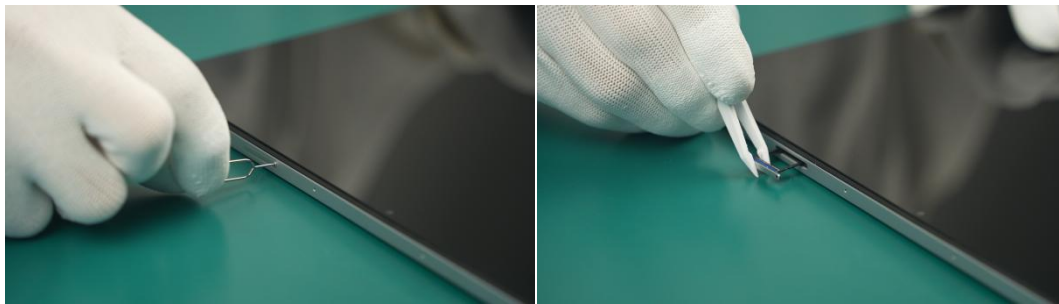
## Disassembly

### 💡 Before disassembly

- Make sure your Pad data is backed up to prevent loss of important data.
- Disconnect the device from the power source and turn it off.
- Wear an anti-static wrist strap and connect it to a grounded ESD safety mat.
- The composition of the product may vary by country, region, or repairer.

### 1. Remove the SIM Tray:

Insert the SIM Eject Tool into the hole of the SIM Tray to loosen the tray and pull out the tray gently from the slot.



📘 When removing the SIM Tray, it is recommended to use your hands or plastic tweezers to avoid scratching the appearance.

💡 For the assembly method of the SIM Tray, please refer to the subsequent assembly tutorial in the manual.

### 2. Heating up the Pad:

 If you are the customer, please refer to the following method:

-  • It is possible for the device or battery to be damaged by heat.
  - Do not heat the device in a microwave. Doing so could cause an explosion.
-  • Follow the heating bag's instructions for heating. The recommended time for heating the bag is 50 seconds in a 1000W microwave and 70 seconds in a 700W microwave. (Correct temperature for use: 55-65 °C.)
  - Be careful not to damage the device through excessive heat. (It is recommended to disassemble the device in an area with a temperature gauge.)

(1) Heat the Heating Bag in the microwave for 2-5 minutes until it reaches about 70 degrees Celsius.



 The heating time needs to be adjusted according to the power of your microwave.

(2) Take the Heating Bag out of the microwave.



 Use the label as a handle when removing the Heating Bag to avoid burns.

## Disassembly and Assembly

(3) Place the Pad on the Heating Bag and heat it for about 1-2 minutes.



 If you are a professional authorized repairer, please refer to the following method:

(1) Use a heating platform and wait for it to heat up to about 70 degrees Celsius.



(2) Place the Pad on the heating platform and continue heating for 1-2 minutes.



 Please heat the device within the specified temperature and time, otherwise it may be damaged or affect subsequent operations.

### 3.Remove the TP Module:

(1) Use the Plastic pry tool to gently cut the adhesive on the TP Module.



💡 Use the Plastic pry tool to slide along the left edge of the device to cut the glue, leaving the Plastic pry tool on the left edge side when finished to prevent the adhesive from resealing.

- 📁 • As the TP Module may be damaged by excessive force, be careful not to damage the TP Module.
- Do not insert the Plastic pry tool too deeply into the device as the internal circuitry may be damaged.

## Disassembly and Assembly

- (2) Use the Plastic pry tool to cut all the glue around the TP Module as described above, and then carefully separate the TP Module from the device.



- Be careful not to damage the TP Module, as excessive force may damage the TP Module.
  - Do not insert the Plastic pry tool too far into the device, as it may damage the internal circuitry.
- 💡 If it's difficult to create a gap, reheat to further soften the adhesive. When reheating, do not reheat for more than 30 seconds.

Anti-shattering of glass/ceramic back cover:

- Avoid pressing hard on the center of the back cover when separating (especially for curved screen models) to prevent glass cracking due to stress concentration.
- If the back cover is broken, fix the fragments with tape before operation to avoid scratching your fingers or dropping them into the device.

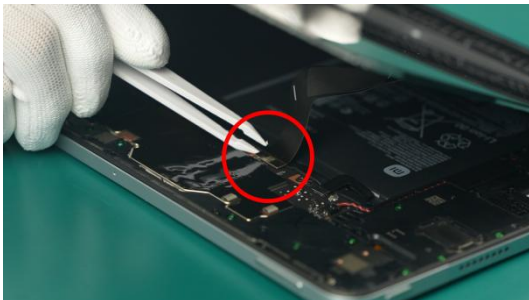
## Disassembly and Assembly

- (3) Gently lift the screen, use a screwdriver to unscrew the screws on the steel Sheet-battery.



-  Carefully lift the TP Module with tweezers and remove the TP Module, being careful not to damage the PBA board.
- Do not touch the TP Module directly with metal tools to avoid scratching the TP Module and static damage.
  - Use moderate force when holding components with tweezers to avoid squeezing small components such as capacitors and resistors.
-  For TP Module assembly methods, please refer to the subsequent assembly tutorials in the manual.

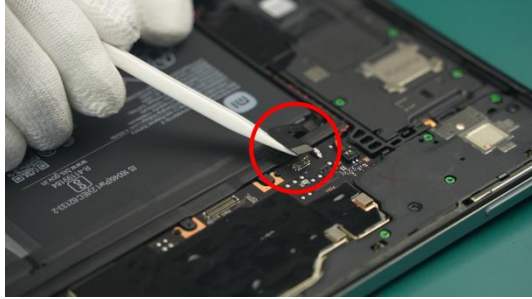
- (4) Remove the steel Sheet-battery, and disconnect the TP Module from the device.



-  Do not use metal tweezers or other hard tools as they may scratch the device.

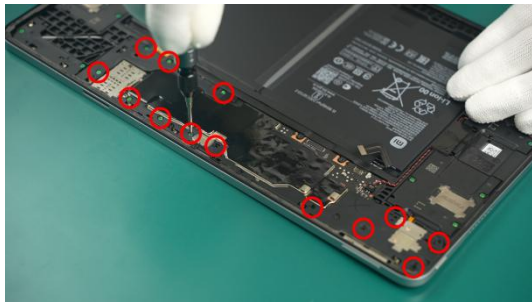
### 4. Remove the Mainboard Cover Assy:

(1) Disconnect the Battery from the Mainboard Assy.



- For your safety, always disconnect the battery connector first.
- Be careful not to damage the battery.

(2) Use a needle screwdriver to remove the screws.



Check the number of screws that have been removed and keep them in a safe place to ensure that no unassembled screws are left inside the device during the assembly process.

## Disassembly and Assembly

(3) Remove the Mainboard Cover Assy.



 Pay attention to the clips around the Mainboard Cover Assy during operation. Make sure the clips are completely separated before proceeding to the next step to avoid damaging the Mainboard Cover Assy.



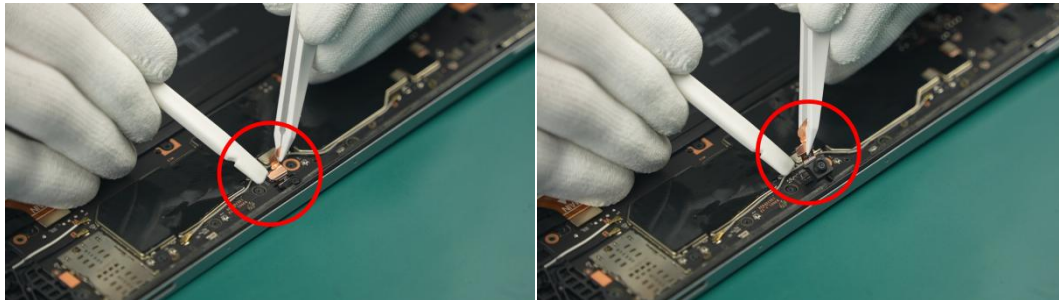
### 5.Remove the Camera Assy:

(1) Disconnect and remove the Camera-Rear.



 Do not touch the camera lens directly during operation to avoid scratching the lens.

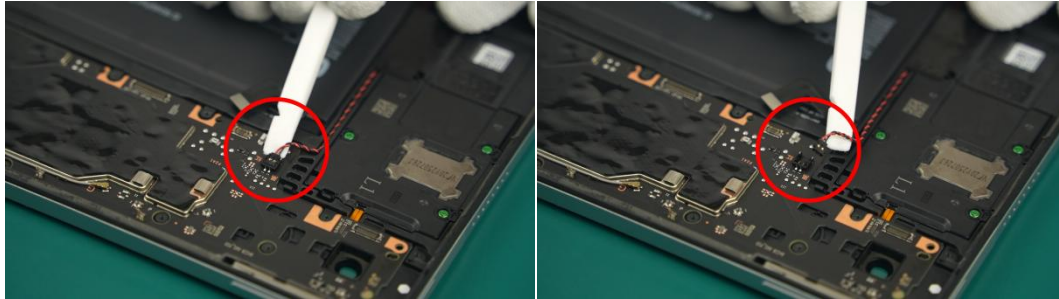
(2) Disconnect and remove the Camera-Front.



-  • Do not touch the camera lens directly during operation to avoid scratching the lens.
- The camera lens and sensor are very precise. Finger grease or dust will affect the image quality. Wear gloves or hold with a dust-free cloth when operating.
  - If you need to clean the lens, use special lens paper or cotton swab dipped in a small amount of anhydrous alcohol to gently wipe it. Do not use paper towels or hard objects to scratch it.
  - The camera is usually connected to the motherboard via an FPC cable. You need to disconnect the cable interface before disassembly.
  - Use tweezers to gently lift the pressure plate before pulling out the cable. Do not pull the cable directly.
  - If the cable is stuck to the Mainboard Assy, use a Plastic Pry Bar to gently lift it up to avoid breaking the cable.

### 6. Remove the Mainboard Assy:

(1) Disconnect the Speaker-L2 from the Mainboard Assy.



- Be careful not to damage the wiring harness interface and surrounding components during operation.
- Do not pull the cable directly when disconnecting to avoid breaking it.
- You can use the flat side of a Plastic Pry Bar to gently pry up the connector.
- Please tidy up the wiring harness after disconnecting to avoid affecting subsequent operations.

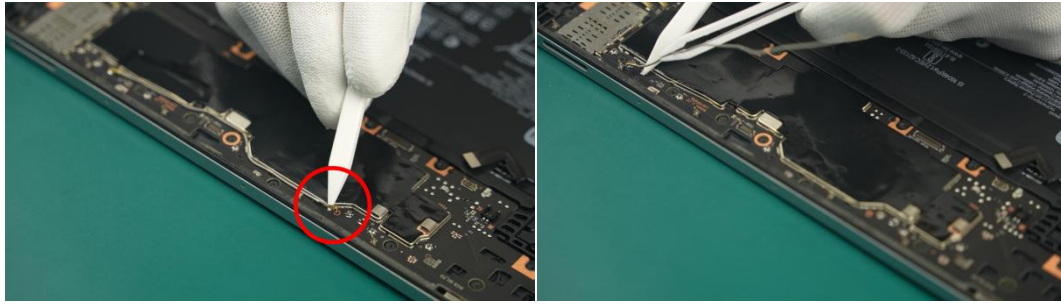
(2) Disconnect the Main FPC Assy from the Mainboard Assy.



- Be careful not to damage the wiring harness interface and surrounding components during operation.
- Do not pull the cable directly when disconnecting to avoid breaking it.
- You can use the flat side of a Plastic Pry Bar to gently pry up the connector.
- Please tidy up the wiring harness after disconnecting to avoid affecting subsequent operations.

## Disassembly and Assembly

(3) Disconnect the Coaxial Cables-Grey from the Mainboard Assy.



- Be careful not to damage the wiring harness interface and surrounding components during operation.
- Do not pull the cable directly when disconnecting to avoid breaking it.
- You can use the flat side of a Plastic Pry Bar to gently pry up the connector.
- Please tidy up the wiring harness after disconnecting to avoid affecting subsequent operations.

(4) Disconnect the Coaxial Cables-White and Coaxial Cables-Black from the Mainboard Assy.



- Be careful not to damage the wiring harness interface and surrounding components during operation.
- Do not pull the cable directly when disconnecting to avoid breaking it.
- You can use the flat side of a Plastic Pry Bar to gently pry up the connector.
- Please tidy up the wiring harness after disconnecting to avoid affecting subsequent operations.

(5) Remove the Mainboard Assy from the Pad.



Carefully lift the Mainboard Assy with tweezers and remove the Mainboard Assy, being careful not to damage the PBA board.

- Do not touch the Mainboard Assy directly with metal tools to avoid scratching the Mainboard Assy and static damage.
- Use moderate force when holding components with tweezers to avoid squeezing small components such as capacitors and resistors.



For Mainboard Assy assembly methods, please refer to the subsequent assembly tutorials in the manual.

### 7. Remove the Volume Key:

(1) Insert the Plastic Pry Bar into the slot of the Volume Key, then push the Volume Key out from the inside.



(2) Remove the FPC-Volume Key from the device body using ESD Safe Tweezers.



💡 Use ESD Safe Tweezers to cut the adhesive between the FPC-Volume Key and the device.

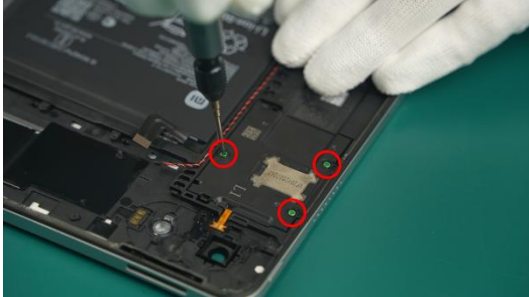
Use ESD Safe Tweezers to press one side of the FPC-Volume Key in the slot to lift up the other side of the FPC-Volume Key. Then use ESD Safe Tweezers to remove the FPC-Volume Key.

📌 Do not use metal tweezers or other hard tools as they may scratch the device.



### 8. Remove the Speaker-L1:

(1) Remove the screws of the Speaker-L1.

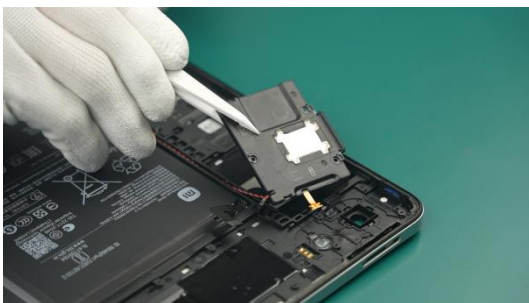


 Check the number of screws that have been removed and keep them in a safe place to ensure that no unassembled screws are left inside the device during the assembly process.

(2) Pry up the connection cable of the Speaker-L1.



(3) Remove the Speaker-L1.



 • Pay attention to the clips around the speaker assembly during operation. Make sure the clips are completely separated before proceeding to the next step to avoid damaging the speaker assembly.

• Use moderate force when holding components with tweezers to avoid squeezing small components such as capacitors and resistors.

### 9. Remove the Speaker-L2:

The removal steps for Speaker-L2 are the same as above: unscrew the screws, pry up the cable, and then take out Speaker-L2.



- Pay attention to the clips around the speaker assembly during operation. Make sure the clips are completely separated before proceeding to the next step to avoid damaging the speaker assembly.
- Use moderate force when holding components with tweezers to avoid squeezing small components such as capacitors and resistors.

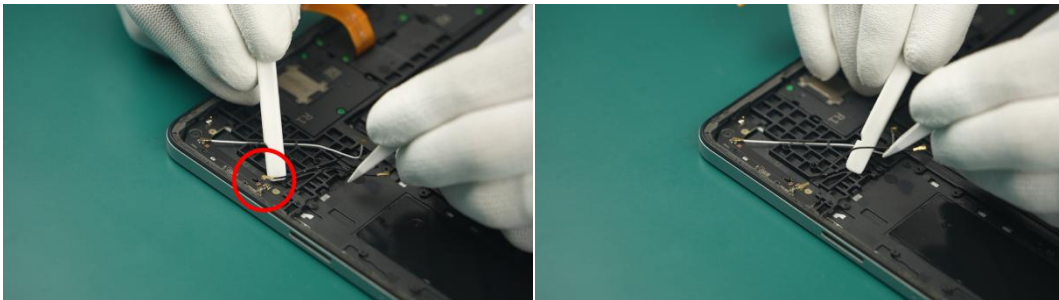
### 10. Remove the ANT-Board Assy:

(1) Unscrew the screws from the Holder Assy-ANT Board and remove the Holder Assy-ANT Board.



 Check the number of screws that have been removed and keep them in a safe place to ensure that no unassembled screws are left inside the device during the assembly process.

(2) Disconnect the Coaxial Cable-Black from the ANT-Board Assy and remove it.



-  • Be careful not to damage the wiring harness interface and surrounding components during operation.
- Do not pull the cable directly when disconnecting to avoid breaking it.
-  • You can use the flat side of a Plastic Pry Bar to gently pry up the connector.
- Please tidy up the wiring harness after disconnecting to avoid affecting subsequent operations.



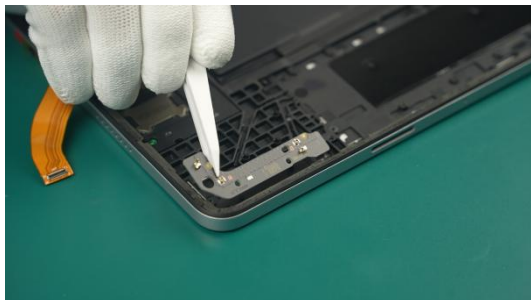
## Disassembly and Assembly

(3) Disconnect the Coaxial Cable-White from the ANT-Board Assy and remove it.



- Be careful not to damage the wiring harness interface and surrounding components during operation.
- Do not pull the cable directly when disconnecting to avoid breaking it.
- You can use the flat side of a Plastic Pry Bar to gently pry up the connector.
- Please tidy up the wiring harness after disconnecting to avoid affecting subsequent operations.

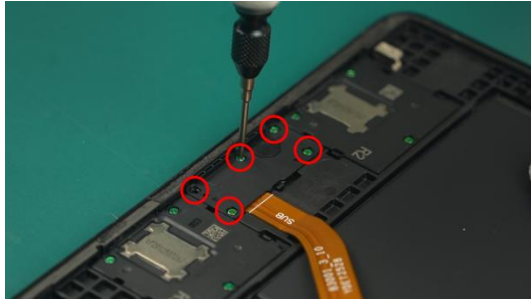
(4) Remove the ANT-Board Assy.



- Pay attention to the clips around the ANT-Board Assy during operation. Make sure the clips are completely separated before proceeding to the next step to avoid damaging the ANT-Board Assy.
- Use moderate force when holding components with tweezers to avoid squeezing small components such as capacitors and resistors.

### 11. Remove the Sub-Board Assy:

(1) Remove the screws of the Compact holder-Subboard.



 Check the number of screws that have been removed and keep them in a safe place to ensure that no unassembled screws are left inside the device during the assembly process.

(2) Remove the Compact holder-Subboard.

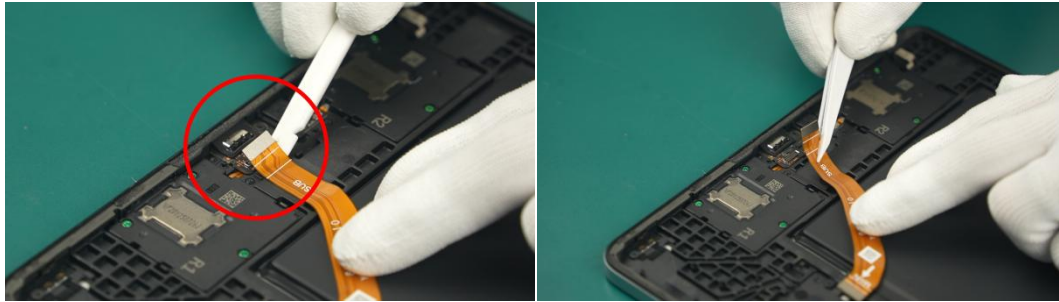


 • Pay attention to the clips around the Compact holder-Subboard during operation. Make sure the clips are completely separated before proceeding to the next step to avoid damaging the Compact holder-Subboard.

- Use moderate force when holding components with tweezers to avoid squeezing small components such as capacitors and resistors.

## Disassembly and Assembly

(3) Disconnect the Main FPC Assy from the Sub-Board Assy, and remove the Main FPC Assy from the Sub-Board Assy.



- Do not use metal tools during operation to avoid scratching the device.
- Use tweezers to gently lift the pressure plate before pulling out the cable. Do not pull the cable directly.
- If the cable is stuck to the mainboard, use a Plastic Pry Bar to gently lift it up to avoid breaking the cable.

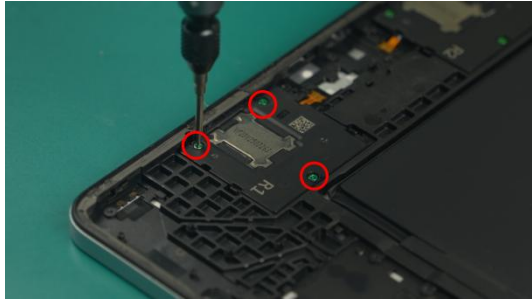
(4) Remove the Sub-Board Assy.



- Pay attention to the clips around the Sub-Board Assy during operation. Make sure the clips are completely separated before proceeding to the next step to avoid damaging the Sub-Board Assy.

### 12. Remove the Speaker-R1:

(1) Remove the screws of the Speaker-R1.

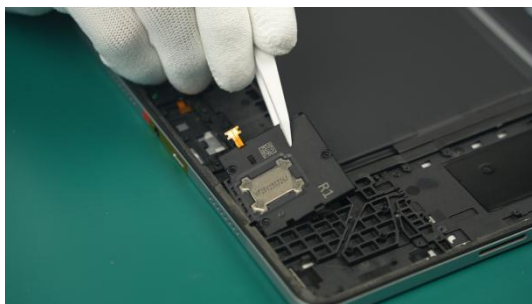


 Check the number of screws that have been removed and keep them in a safe place to ensure that no unassembled screws are left inside the device during the assembly process.

(2) Pry up the connection cable of the Speaker-R1.



(3) Remove the Speaker-R1.



-  • Pay attention to the clips around the speaker assembly during operation. Make sure the clips are completely separated before proceeding to the next step to avoid damaging the speaker assembly.
- Use moderate force when holding components with tweezers to avoid squeezing small components such as capacitors and resistors.

### 13. Remove the Speaker-R2:

The removal steps for Speaker-R2 are the same as above: unscrew the screws, pry up the cable, and then take out Speaker-R2.



- Pay attention to the clips around the speaker assembly during operation. Make sure the clips are completely separated before proceeding to the next step to avoid damaging the speaker assembly.
- Use moderate force when holding components with tweezers to avoid squeezing small components such as capacitors and resistors.

### 14. Remove the Battery:

(1) Tear off the Easy Release Adhesive-Battery.



(2) Remove the Battery from the device.



 Be careful not to damage the battery.

 You can use special alcohol to help remove the adhesive, or use the microwave to heat the heating bags, then heat the device before removing it.

### Assembly



Before reassembly, please confirm the following:

- Thoroughly remove any residual adhesive.
- Prepare the screws and new adhesive required for the device.
- Wear an anti-static wrist strap and connect it to a grounded ESD safe mat.
- Do not leave any unassembled screws inside the device. Leaving screws inside the device may damage internal components such as the battery. Please be extremely careful during assembly.
- The composition of the product may vary by country, region, or repairer.



### 1. Assemble the Speaker-L1:

(1) Place the Speaker-L1 in the correct position and press gently to fit it into place.

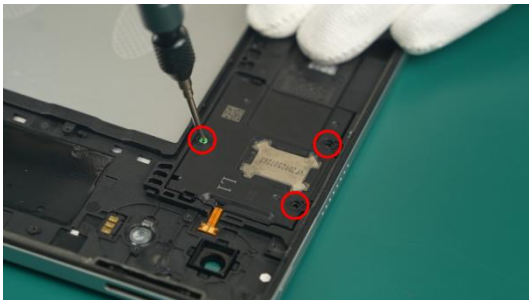


(2) Press the cable of the Speaker-L1 gently to fit it into place.



 Do not use metal tweezers or other hard tools as they may scratch the device.

(3) Tighten the screws.



 Please make sure that all the clips are in place, otherwise it will affect the subsequent assembly. Check the number of screws installed to ensure that no unassembled screws are left inside the device during the assembly process.



### 2. Assemble the Speaker-L2:

(1) Place the Speaker-L2 in the correct position and press gently to fit it into place.

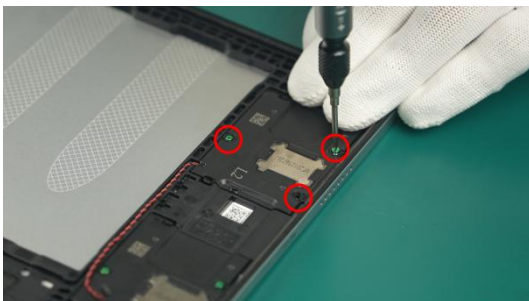


(2) Arrange the wire harness of the Speaker-L2 properly.



-  • Do not use metal tweezers or other hard tools as they may scratch the device.
- Be careful not to damage the wiring harness when arranging it.
-  You can press the wiring harness interface with your fingers. If you can clearly feel a "click" sound, it means the interface is connected in place.

(3) Tighten the screws.



-  Please make sure that all the clips are in place, otherwise it will affect the subsequent assembly. Check the number of screws installed to ensure that no unassembled screws are left inside the device during the assembly process.

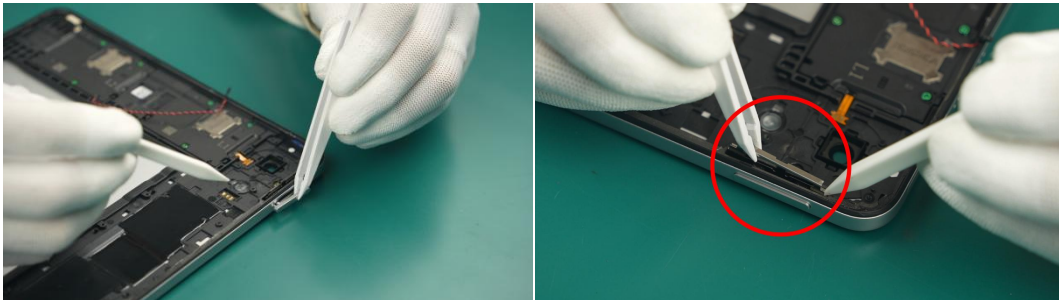
### 3. Assemble the Volume Key:

(1) Install the FPC-Volume Key in the correct position, and gently press the cable of the FPC-Volume Key to fit it into place.



 Do not use metal tweezers or other hard tools as they may scratch the device.

(2) Then install the Volume Key into place and install the FPC-Volume Key's holding steel sheet into the correct position. Press gently to ensure it is properly installed.



### 4. Assemble the Mainboard Assy:

Put the Mainboard Assy into the Pad and press lightly to ensure it is firmly in place.



 Please make sure that all the clips are locked into place, otherwise it will affect the subsequent assembly.

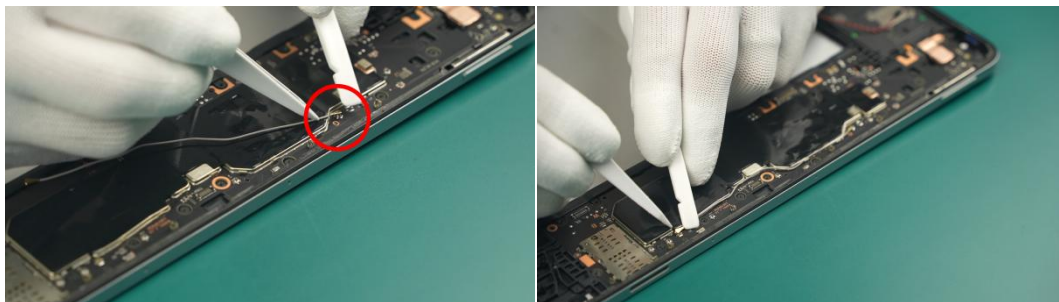
### 5. Assemble the Camera Assy:

- (1) Place the Camera-Rear in the correct position of the device and connect it to the Mainboard Assy.



- Do not touch the camera lens directly during operation to avoid scratching the lens.
- Do not use hard tools during operation, as this may damage the Conductive Cloth or Graphite Sheet.
- You can press the wiring harness interface with your fingers. If you can clearly feel a "click" sound, it means the interface is connected in place.
- Attach the Copper Foil flatly. You can press lightly with your fingers to ensure it fits securely.

- (2) Install the Coaxial Cable-Grey to the Mainboard Assy, and organize the wiring harness.



- Be careful not to damage the wiring harness when arranging it.
- You can press the wiring harness interface with your fingers. If you can clearly hear a "click" sound, it means the interface is connected in place.

## Disassembly and Assembly

(3) Place the Camera-Front in the correct position of the device and connect it to the Mainboard Assy. Then lay the Copper Foil of the Camera-Front.



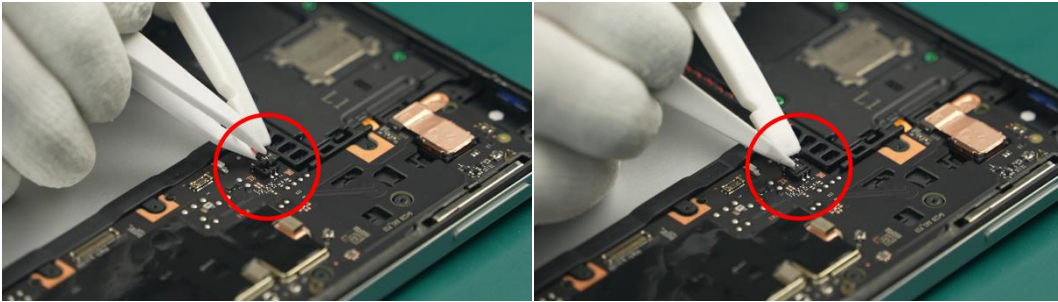
 Do not touch the camera lens directly during operation to avoid scratching the lens.

 You can press the wiring harness interface with your fingers. If you can clearly feel a "click" sound, it means the interface is connected in place.



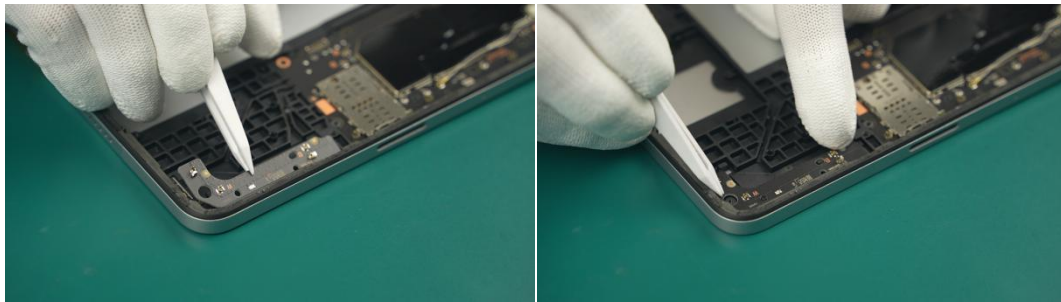
### 6.Connecting the Mainboard Assy:

(1) Connect the Speaker-L2 to the Mainboard Assy.

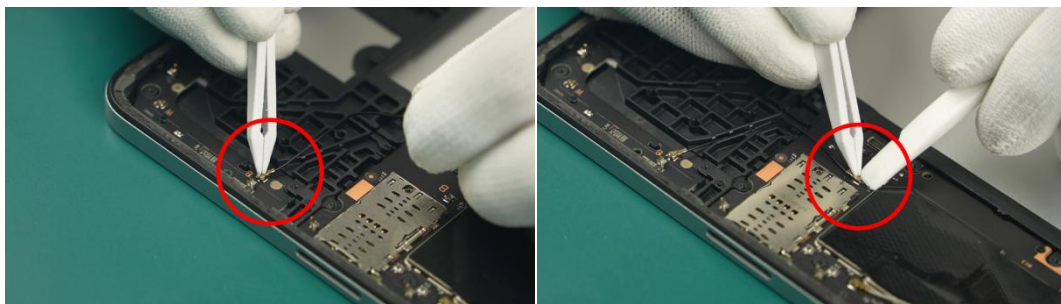


💡 You can press the wiring harness interface with your fingers. If you can clearly feel a "click" sound, it means the interface is connected in place.

(2) Install the ANT-Board Assy in the correct position and press gently to fit it into place.



(3) Connect the ANT-Board Assy to the Mainboard Assy using the Coaxial Cable-Black, and organize the wiring harness of the Coaxial Cable-Black properly.



📁 Be careful not to damage the wiring harness when arranging it.

💡 You can press the wiring harness interface with your fingers. If you can clearly hear a "click" sound, it means the interface is connected in place.

## Disassembly and Assembly

(4) Connect the ANT-Board Assy to the Mainboard Assy using the Coaxial Cable-White, and organize the wiring harness of the Coaxial Cable-White properly.



-  Be careful not to damage the wiring harness when arranging it.
-  You can press the wiring harness interface with your fingers. If you can clearly hear a "click" sound, it means the interface is connected in place.

(5) Place the Holder Assy-ANT Board in the correct position, gently press it by hand to ensure it is properly installed, then secure it with screws.



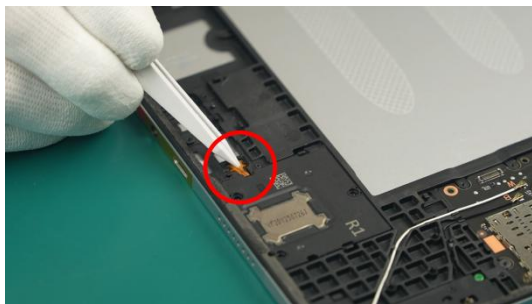
-  You can press the wiring harness interface with your fingers. If you can clearly feel a "click" sound, it means the interface is connected in place.

### 7. Assemble the Speaker-R1:

(1) Place the Speaker-R1 in the correct position and press gently to fit it into place.



(2) Press the cable of the Speaker-R1 gently to fit it into place.



 Do not use metal tweezers or other hard tools as they may scratch the device.

(3) Tighten the screws.



 Please make sure that all the clips are in place, otherwise it will affect the subsequent assembly. Check the number of screws installed to ensure that no unassembled screws are left inside the device during the assembly process.

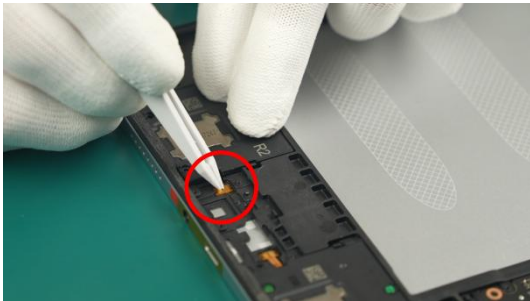


### 8. Assemble the Speaker-R2:

(1) Place the Speaker-R2 in the correct position and press gently to fit it into place.

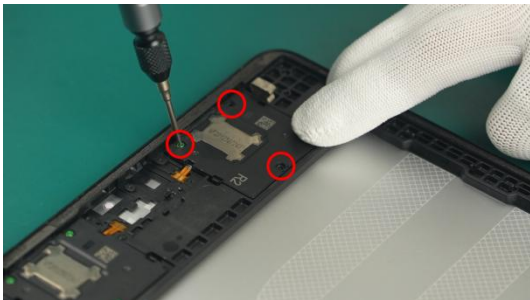


(2) Press the cable of the Speaker-R2 gently to fit it into place.



 Do not use metal tweezers or other hard tools as they may scratch the device.

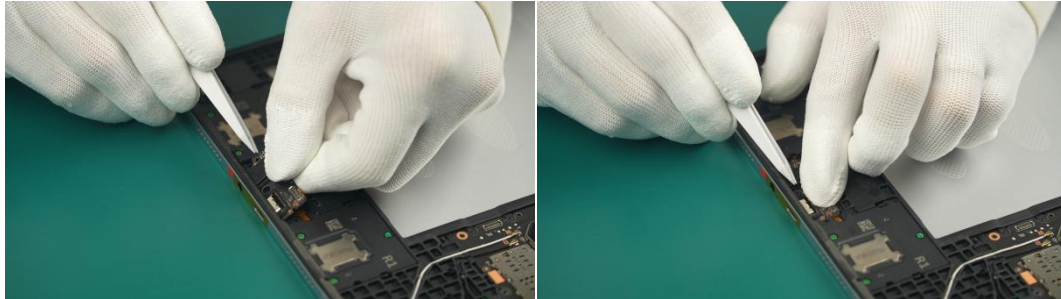
(3) Tighten the screws.



 Please make sure that all the clips are in place, otherwise it will affect the subsequent assembly. Check the number of screws installed to ensure that no unassembled screws are left inside the device during the assembly process.

### 9. Assemble the Sub-Board Assy:

(1) Install the Sub-Board Assy in the correct position and gently press it to ensure it is properly installed.



(2) Connect the Main FPC Assy to the Sub-Board Assy, press the contacts, and ensure it is properly installed in place.



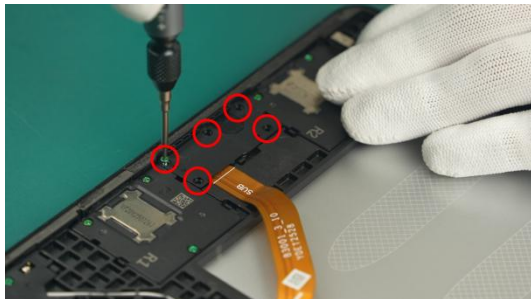
-  Please ensure that the Main FPC Assy fits flatly with the device to avoid damage to the Main FPC Assy caused by squeezing other accessories during subsequent assembly.
-  You can press the wiring harness interface with your fingers. If you can clearly feel a "click" sound, it means the interface is connected in place.

## Disassembly and Assembly

(3) Install the Compact holder-Subboard in the correct position, press gently, and ensure it is properly installed in place.



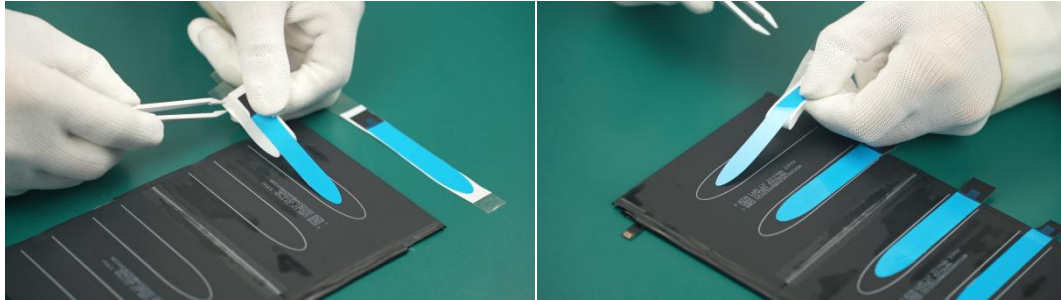
(4) Tighten the screws.



 Please make sure that all the clips are in place, otherwise it will affect the subsequent assembly. Check the number of screws installed to ensure that no unassembled screws are left inside the device during the assembly process.

### 10. Assemble the Battery:

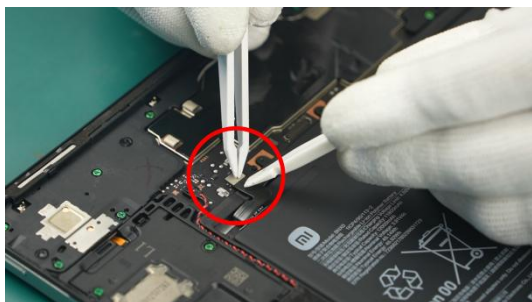
- (1) Peel off the protective film of the Easy Release Adhesive-Battery-Battery and stick it to the corresponding position on the battery. Try to avoid touching the adhesive surface to prevent it from being contaminated, which would affect the assembly effect.



- (2) Then tear off the protective film on the back of the Easy Release Adhesive-Battery, align the Pad to the correct position, then put the Battery in.



- (3) Connect the Battery to the Mainboard Assy.



- 💡 You can press the wiring harness interface with your fingers. If you can clearly feel a "click" sound, it means the interface is connected in place.

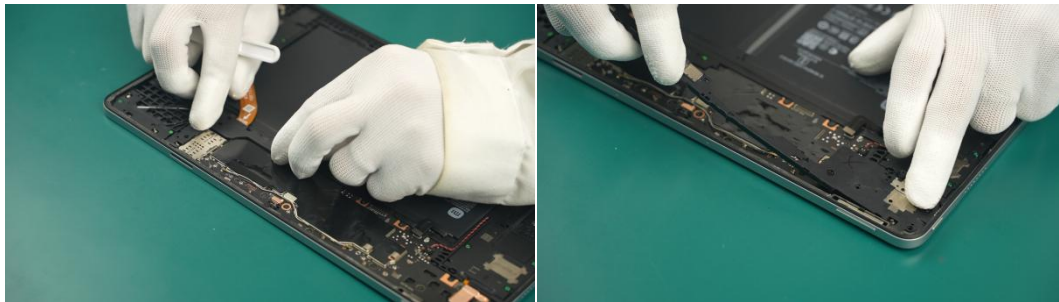
### 11. Assemble the Mainboard Cover Assy:

- (1) Install the Main FPC Assy onto the Mainboard Assy and ensure it is properly installed in place.



- 💡 You can press the wiring harness interface with your fingers. If you can clearly feel a "click" sound, it means the interface is connected in place.

- (2) Install the Mainboard Cover Assy in the correct position and press gently to fit it into place.

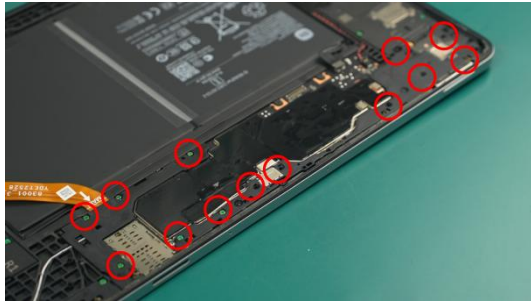


- 💡 You can press the wiring harness interface with your fingers. If you can clearly feel a "click" sound, it means the interface is connected in place.



## Disassembly and Assembly

(3) Tighten the screws.



 Please make sure that all the clips are in place, otherwise it will affect the subsequent assembly. Check the number of screws installed to ensure that no unassembled screws are left inside the device during the assembly process.

### 12. Assemble the TP Module:

- (1) Put the Adhesive-TP into the Adhesive backing fixing tool, and align it with the positioning hole.



- (2) Tear off the protective film of the Adhesive-TP, and do not touch the adhesive surface.



- (3) Put the TP Module into the Adhesive backing fixing tool, press gently to make the Adhesive-TP and the TP Module fit together.



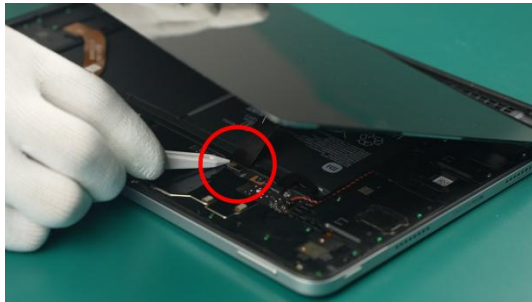


## Disassembly and Assembly

- (4) Tear off the protective film on the other side of the Adhesive-TP, align the TP Module with the device, and press gently to install it in place.



- (5) Connect the contacts of the TP Module to the Mainboard Assy, press firmly, and ensure it is properly installed in place.



- (6) Install the Steel-Battery in the correct position and secure it with screws.

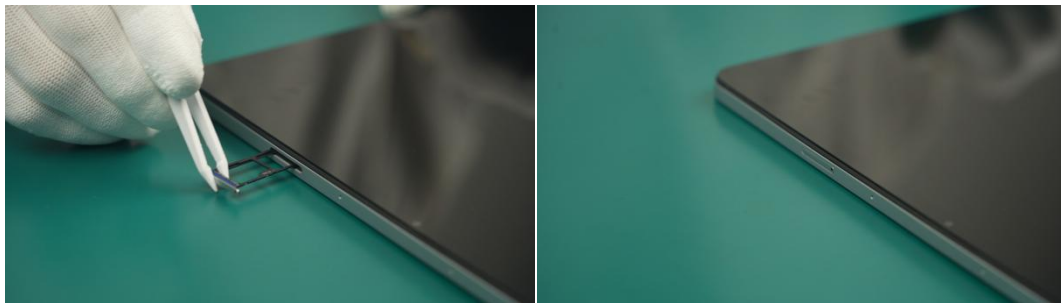


## Disassembly and Assembly

(7) Install the TP Module in place and press gently to make it fit tightly with the body.



### 13. Assemble the SIM Tray:



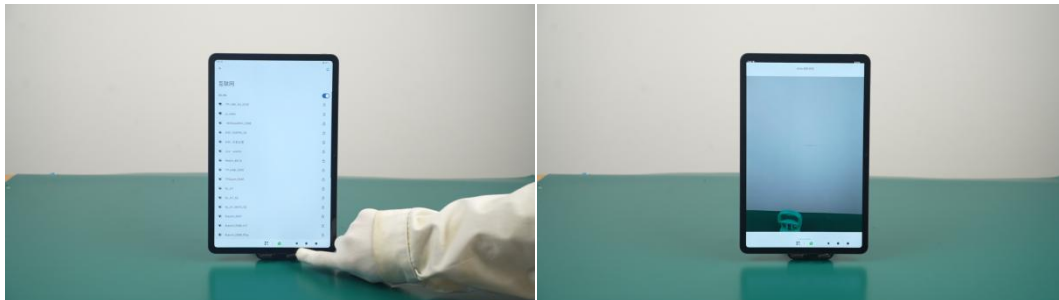
 Please do not use hard tools to install the SIM Tray to avoid scratching the device.

### 14. Test Pad Functions:

(1) Check whether the Pad can be turned on normally.



(2) Test whether the Pad's Wi-Fi, Bluetooth, sound, camera and other functions can be used normally.



## Calibration and Quality Inspection

To ensure proper assembly, it is recommended to calibrate and inspect the device after assembly. If any fault occurs during repair/assembly, calibration and inspection can help locate and identify the problem quickly. Please go to a Xiaomi Authorized Service Center for further assistance. Any fault caused by repair may incur additional repair costs.

### Calibration

Please refer to the link for specific calibration methods.

[https://cdn.shopify.com/s/files/1/0955/8360/0979/files/Mobile\\_phone\\_basic\\_function\\_test.pdf?v=1747878433](https://cdn.shopify.com/s/files/1/0955/8360/0979/files/Mobile_phone_basic_function_test.pdf?v=1747878433)

### Quality Inspection

Please refer to the link for specific inspection methods.

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