

# **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 Equipment 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 equipment.

Xiaomi is not responsible for any injuries that may occur as a result of not wearing appropriate safety equipment. 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 equipment 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) equipment, 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**

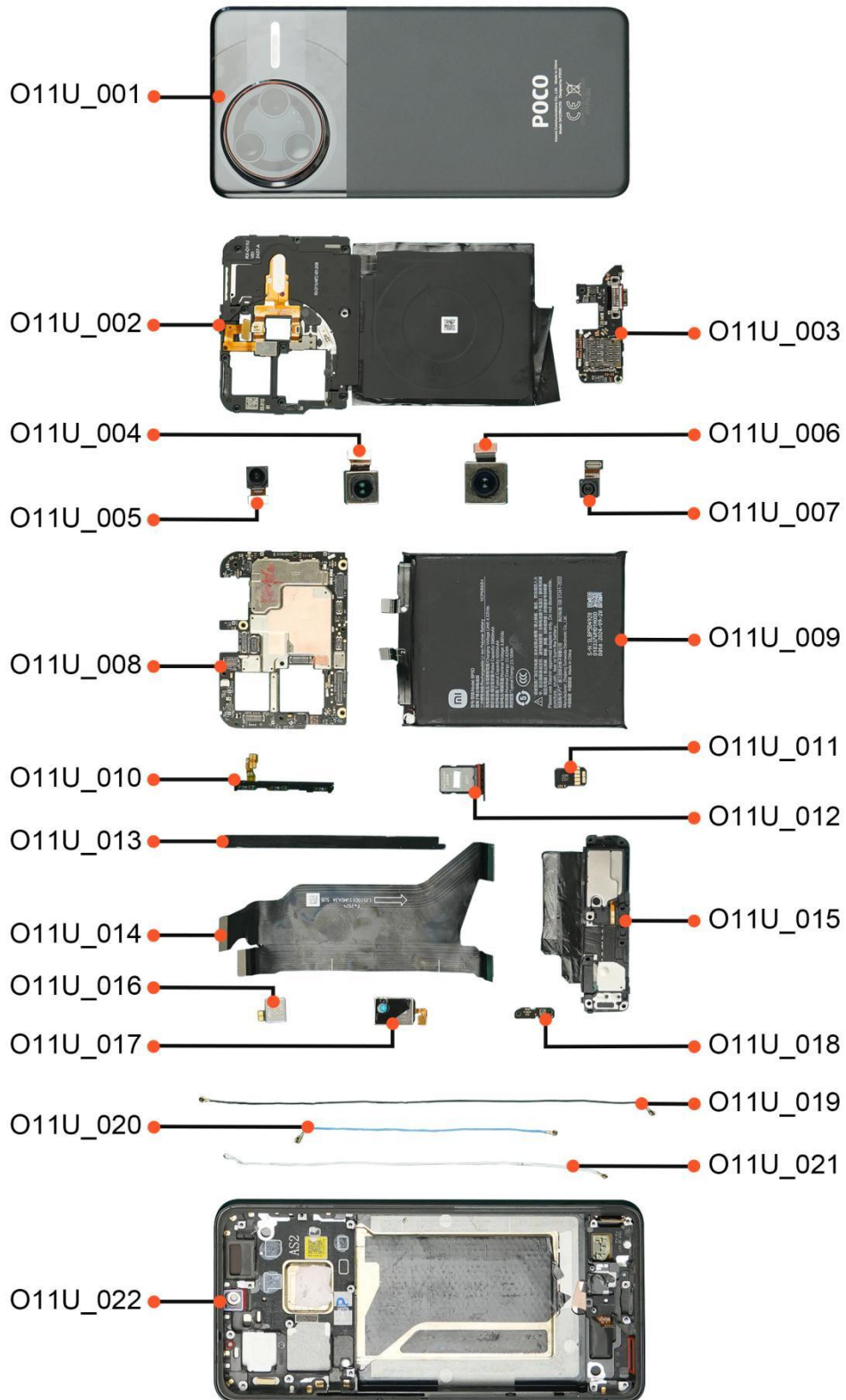
You can check system updates by clicking on the system version number in the phone settings. If the system needs to be upgraded, you can click on the details to view the update log to understand the details of the upgrade and decide whether to update the system version based on your actual situation.

### Icon Description

-  **Warning:** Situations that could cause harm to yourself or others;
-  **Caution:** Situations that may cause damage to your device or other equipment;
-  **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
O11U_001	Battery Cover Assy
O11U_002	Mainboard Cover Assy
O11U_003	Sub-Board Assy
O11U_004	Camera-Rear-Telephoto
O11U_005	Camera-Rear-Ultra Wide Angle
O11U_006	Camera-Rear-Main
O11U_007	Camera-Front
O11U_008	Mainboard Assy
O11U_009	Battery
O11U_010	Holder-Side Key FPC
O11U_011	Light Sensor Board Assy
O11U_012	SIM Card Tray
O11U_013	Mylar
O11U_014	Main FPC Assy
O11U_015	Speaker Assy
O11U_016	Vibrator
O11U_017	Receiver
O11U_018	Antenna Board Assy
O11U_019	Coaxial Cable-Black
O11U_020	Coaxial Cable-Blue
O11U_021	Coaxial Cable-White
O11U_022	Middle Frame Assy

















## Tools and Materials

### Tools










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

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




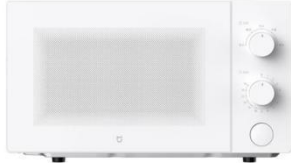



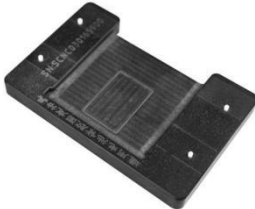

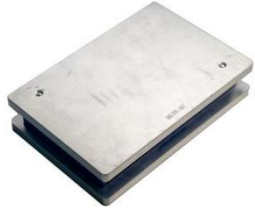

## Tool Preparation

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);  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




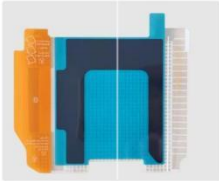





Tool Name	Diagram	Details	Target users
Heating Bag		Used to heat when removing the back cover (necessary tool);  Use the tabs as handles when heating to avoid burns.	
Micro-wave Oven		For heating the Heating Bag (necessary tool).	
Adhesive Backing Fixing Tool		Used to position the adhesive when sticking the battery cover.	
Battery Adhesive Applicator		Used to position the battery glue when sticking it.	
Battery Cover Assembly Press Device		Used when pressing the battery cover to evenly distribute the pressure on the battery cover.	

## Tool Preparation

Tool Name	Diagram	Details	Target users
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.	
Crimping Tool		Used when pressing the battery cover, so that the pressure can be precisely controlled.	
Air Tightness Tester		Used to detect the air tightness of mobile phones;  If the phone is dustproof and waterproof, the air tightness of the phone needs to be tested after assembly.	

## 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
Battery Cover Adhesive		Used when attaching the battery cover to the device.	 
Easy Release Adhesive-Battery		Used when attaching the battery to the device.	 
Front Cover Display Module		Used when replacing the screen.	 

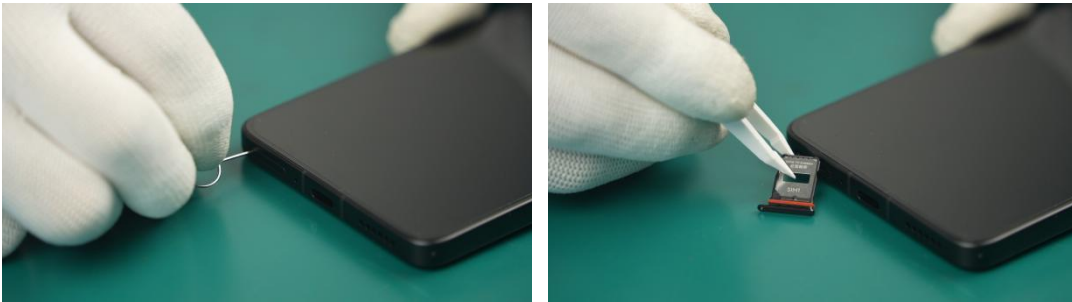
## Disassembly

### 💡 Before disassembly

- Make sure your phone 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 Card Tray:


Insert the ejection pin into the hole of the SIM Card Tray to loosen the tray and pull out the tray gently from the tray slot.





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

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


### 2. Heating up the Phone:

 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.

## Disassembly and Assembly

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



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

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



## Disassembly and Assembly


 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 phone 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.

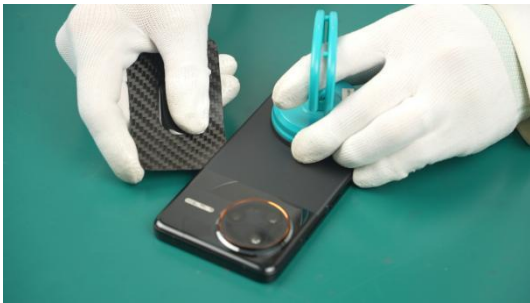
### 3. Remove the Battery Cover Assy:

(1) Use the Suction Cup to secure the Battery Cover Module.



💡 If the Suction Cup is not used, the device may move during operation, affecting operation.

(2) Use the Plastic Pry Tool to gently cut the adhesive on the Battery Cover 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 Battery Cover Module may be damaged by excessive force, be careful not to damage the Battery Cover Module.
- Do not insert the Plastic Pry Tool too deeply into the device as the internal circuitry may be damaged.

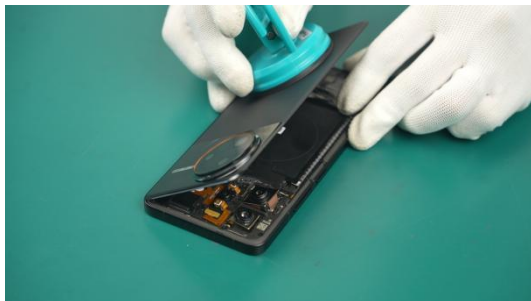
## Disassembly and Assembly

- (3) Use the Plastic Pry Tool to cut all the glue around the Battery Cover Module as described above, and then carefully separate the Battery Cover Module from the device.



- Be careful not to damage the Battery Cover Module, as excessive force may damage the Battery Cover 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.

- (4) Hold the Suction Cup handle and gently remove the Battery Cover Module.



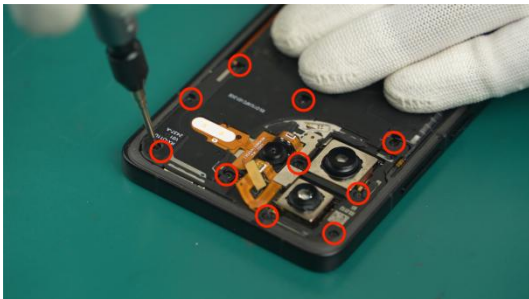
- Please make sure the suction cup is firmly fixed to avoid affecting the operation.
- ⚠️ Anti-shattering of glass/ceramic back cover:
- Avoid pressing hard on the center of the back cover when separating (especially for curved screen models) to prevent glass cracking due to stress concentration.
  - If the back cover is broken, fix the fragments with tape before operation to avoid scratching your fingers or dropping them into the device.


### 4. Remove the Mainboard Cover Assy:

(1) Disconnect the Mainboard Cover Assy from the Mainboard Assy.




(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.

(3) Gently open the Mainboard Cover Assy fixing clips and remove the Mainboard Cover Assy.



 You can use a Plastic Pry Bar to open the fixing clips. Please be careful not to use brute force to avoid damaging the device.

### 5. Disconnect the Cables:

(1) Disconnect the Battery Cables.



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

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




Please disconnect the interface in parallel during operation to avoid tilting and pulling, which may cause damage to the interface.

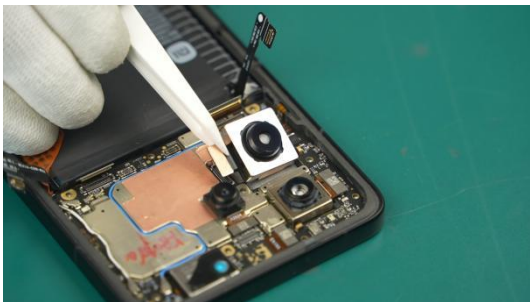
### 6. Remove the Camera Assy:


(1) Disconnect the Camera-Rear-Main from the Mainboard Assy .



 Please disconnect the interface in parallel during operation to avoid tilting and pulling, which may cause damage to the interface.

(2) Remove the Camera-Rear-Main.



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

## Disassembly and Assembly

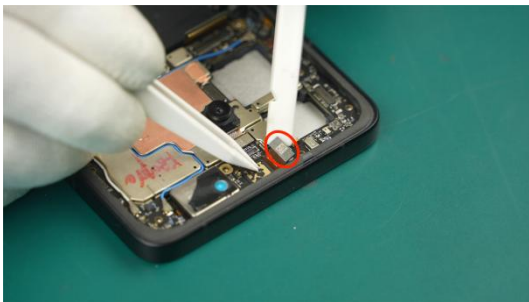
(3) Disconnect the Camera-Rear-Telephoto from the Mainboard Assy and remove it.



💡 It is best to use a tool to gently press the camera to prevent the camera from falling and being damaged when disconnecting the cable.

- 📁 • Please disconnect the interface in parallel during operation to avoid tilting and pulling, which may cause damage to the interface.
- Do not touch the camera lens directly during operation to avoid scratching the lens.

(4) Disconnect the Camera-Front from the Mainboard Assy and remove it.

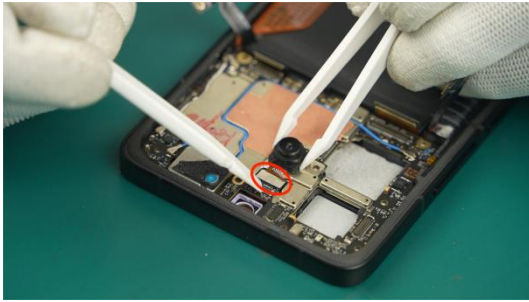


💡 It is best to use a tool to gently press the camera to prevent the camera from falling and being damaged when disconnecting the cable.

- 📁 • Please disconnect the interface in parallel during operation to avoid tilting and pulling, which may cause damage to the interface.
- Do not touch the camera lens directly during operation to avoid scratching the lens.

## Disassembly and Assembly

(5) Disconnect the Camera-Rear-Ultra Wide Angle from the Mainboard Assy and remove it.



💡 It is best to use a tool to gently press the camera to prevent the camera from falling and being damaged when disconnecting the cable.

📁 • Please disconnect the interface in parallel during operation to avoid tilting and pulling, which may cause damage to the interface.

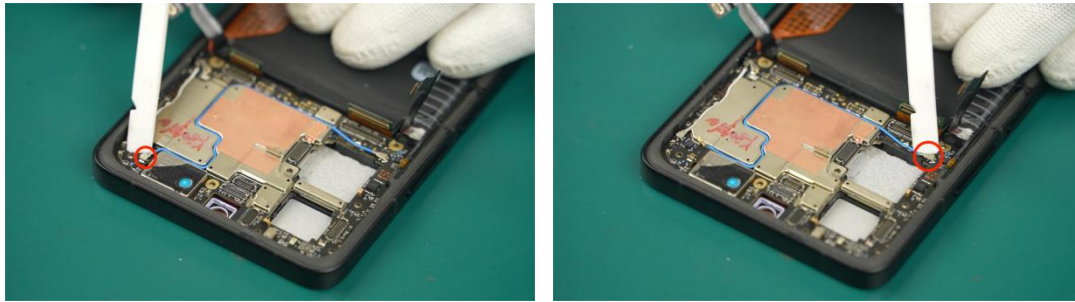
• Do not touch the camera lens directly during operation to avoid scratching the lens.


📁 When removing the Camera Assy, please note:

- 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 motherboard, use a Plastic Pry Bar to gently lift it up to avoid breaking the cable.

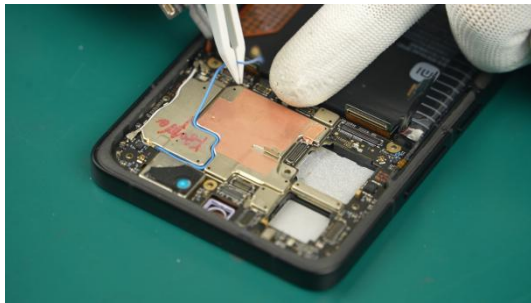
### 7. Disconnect the Coaxial Cables:


(1) Disconnect the Coaxial Cable-Blue from the Mainboard Assy.



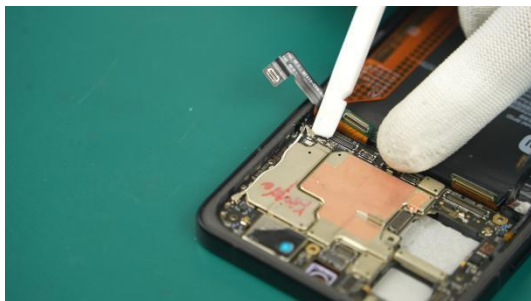
 Do not pull the cable directly when disconnecting to avoid breaking it.


(2) Remove the Coaxial Cable-Blue from the cable trough.



 Please tidy up the wiring harness after disconnecting to avoid affecting subsequent operations.

(2) Disconnect the Coaxial Cable-Black and remove it from the cable trough to avoid affecting subsequent operations.

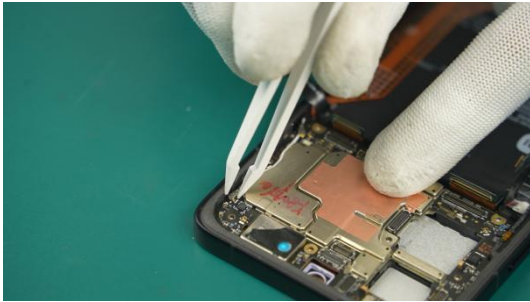



 Be careful not to damage the wiring harness interface and surrounding components during operation.

 You can use the flat side of a Plastic pry bar to gently pry up the connector.

## Disassembly and Assembly

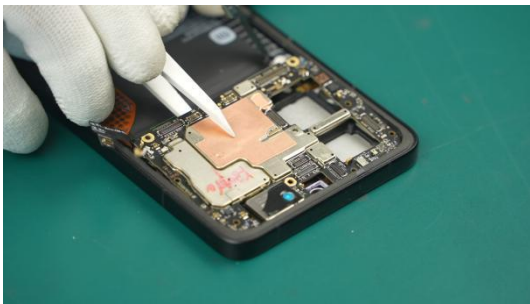
- (3) Disconnect the Coaxial Cable-White and remove it from the cable trough to avoid affecting subsequent operations.




 Please pay special attention to the cable break and be careful not to damage the port.


### 8. Remove the Mainboard Assy:

Remove the Mainboard Assy from the device.



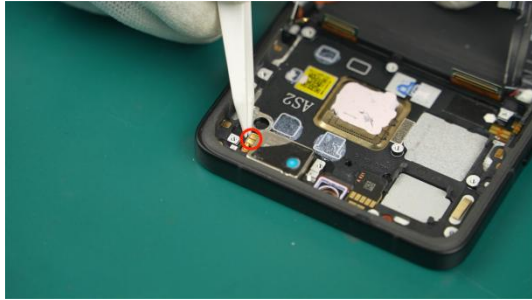
 Carefully lift the Mainboard Assy with tweezers and remove the Mainboard Assy, being careful not to damage the PBA board.


- 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.

### 9. Remove the Receiver:


(1) The receiver cable is attached to the device, and please uncover it first.



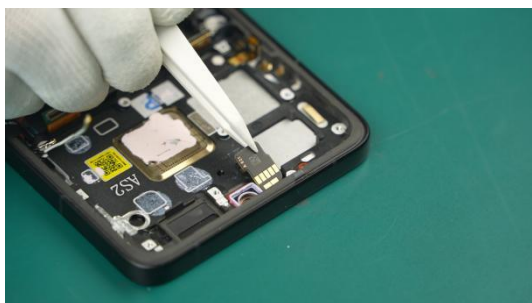
 Do not use metal tweezers or other hard tools as they may scratch the device.


(2) Remove the Receiver from the device.




 Please keep small parts properly, as missing parts may cause the device to fail to start up.

### 10. Remove the Light Sensor Board Assy:

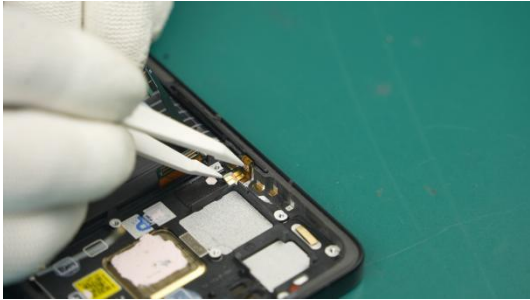



 You can first lift up the Light Sensor Board Assy from one side, and then use ESD Safe Tweezers to remove it.

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

### 11. Remove the Holder-Side Key FPC:


(1) The Holder-Side Key FPC cable is attached to the device, please uncover it first.




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

(2) Remove the Holder-Side Key FPC.



 Use ESD Safe Tweezers to cut the adhesive between the Holder-Side Key FPC and the device. Use ESD Safe Tweezers to press one side of the Holder-Side Key FPC in the slot to lift up the other side of the Holder-Side Key FPC. Then use ESD Safe Tweezers to remove the Holder-Side Key FPC.

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

### 12. Remove the Speaker Assy:

(1) 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.

(2) Remove the Speaker Assy.




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

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

### 13. Remove the Antenna Board Assy:

(1) Disconnect the Coaxial Cable-Black from Antenna Board Assy.




 Use the ESD Safe Tweezers to hold down the Antenna Board Assy, then use the Plastic Pry Bar to gently lift up the connector.

 Please be careful not to damage the Coaxial Cable-Black and Antenna Board Assy.

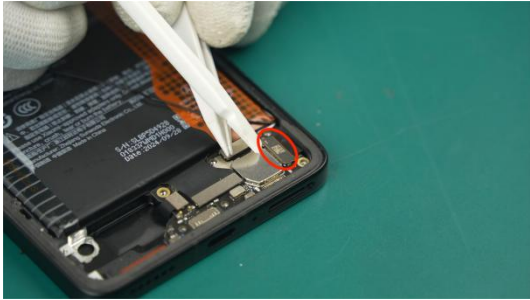
(2) Remove the Antenna Board Assy.




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

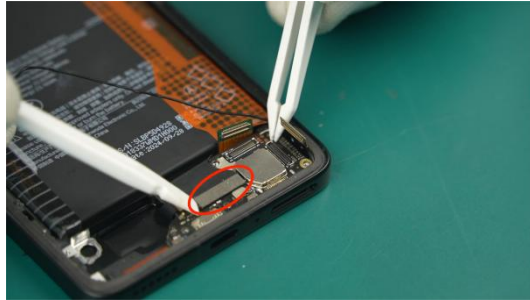
### 14. Remove the Sub-Board Assy:


(1) Disconnect the Front Cover Display Module from the Sub-Board Assy.



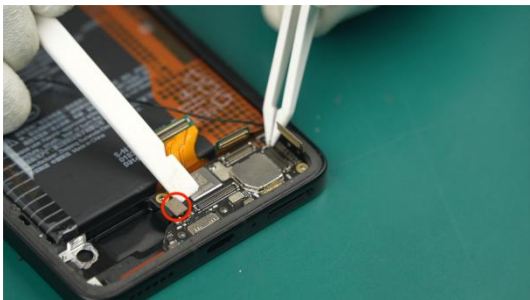
 Please disconnect the interface in parallel during operation to avoid tilting and pulling, which may cause damage to the interface.


(2) Disconnect the Main FPC Assy from the Sub-Board Assy.



 Please disconnect the interface in parallel during operation to avoid tilting and pulling, which may cause damage to the interface.

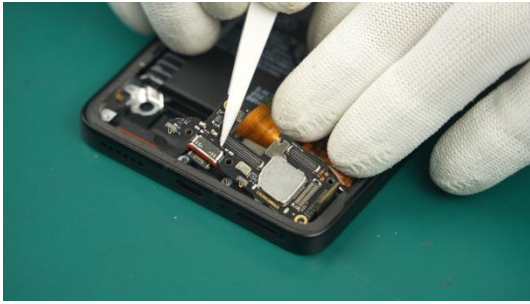
(3) Disconnect the Fingerprint Module from the Sub-Board Assy.




 Please disconnect the interface in parallel during operation to avoid tilting and pulling, which may cause damage to the interface.

## Disassembly and Assembly

(4) Carefully separate the clips securing the Sub-Board Assy, without using excessive force.




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

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

(5) Flip the Sub-Board Assy over, disconnect the Coaxial Cable-White on the back of the Sub-Board Assy, and remove the Coaxial Cable-White from the cable trough.



-  • Please be careful not to damage the components on the Sub-Board Assy.
- Do not pull the port of the Coaxial Cable-White to avoid breaking the cable.

### 15. Remove the Vibrator:

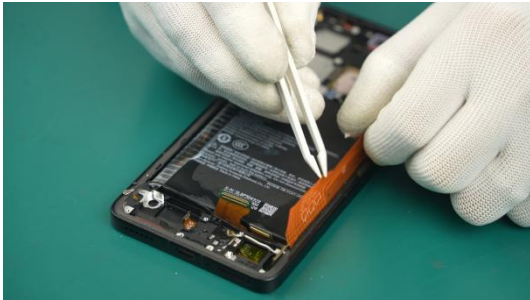
Use tweezers to remove the Motor.



 Please do not use metal tweezers or other hard tools to avoid scratching the device.


### 16. Remove the Battery:

(1) Tear off the Easy Release Adhesive.




(2) Remove the Battery.



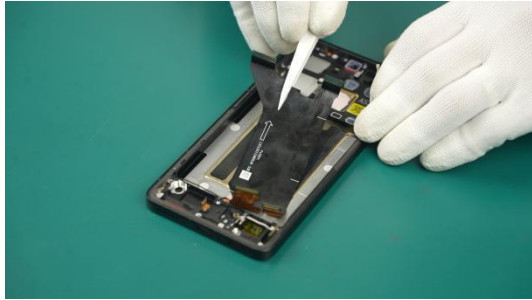
 • Be careful not to damage the battery.

• If there is any remaining Easy Release Adhesive on the device, tear off the remaining Easy Release Adhesive on the device.

 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.

### 17. Remove the Main FPC Assy:

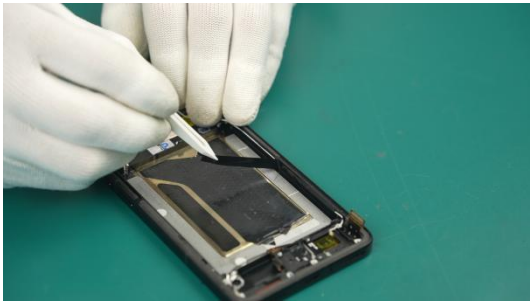
Carefully peel off the Main FPC Assy and remove it.




- 💡 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.

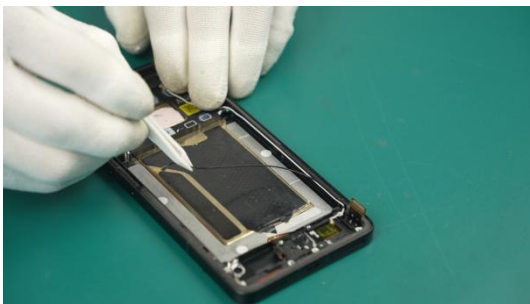
### 18. Remove the Coaxial Cables:

(1) Use tweezers to tear off the Mylar.

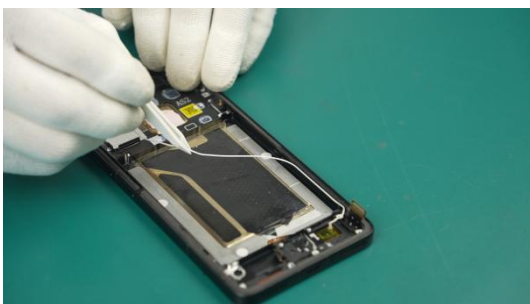



-  • Do not use metal tweezers or other metal tools as they may damage the Mylar.
- Be careful, as using force may damage the Mylar.

(2) Remove the Coaxial Cable-Black from the cable trough.



(2) Remove the Coaxial Cable-White from the cable trough.



-  • Do not pull the interface of the Coaxial Cable to avoid breaking the interface of the Coaxial Cable.
- Do not use brute force to pull the cable.

## 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 Coaxial Cables:

(1) Arrange the Coaxial Cable-White into the cable trough.

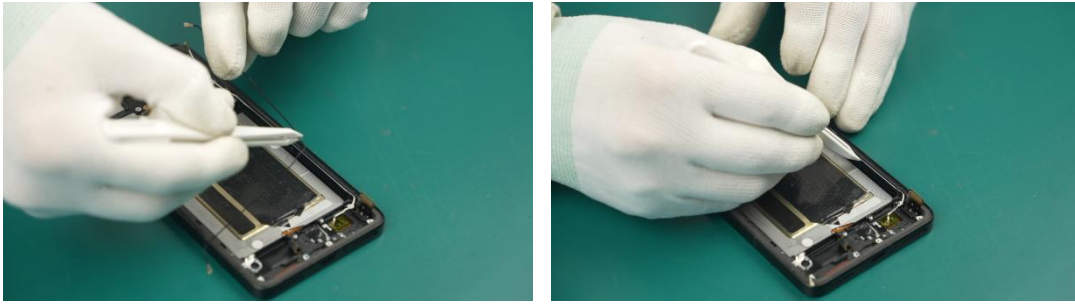



 Be careful not to damage the wiring harness when arranging it.


 When organizing the wiring harness, start organizing from one end of the Sub Board Assy connection.

## Disassembly and Assembly

(2) Arrange the Coaxial Cable-Black into the cable trough.





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

 When organizing the wiring harness, start organizing from one end of the Sub Board Assy connection.

(3) Use tweezers to fit the Mylar onto the cable trough.

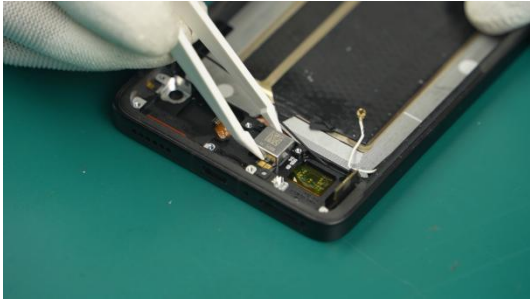



 Try not to touch the adhesive surface of Mylar over a large area to avoid dirt on the adhesive surface, which will affect the bonding effect.

 Please be careful when attaching Mylar so as not to damage it.

### 2. Assemble the Vibrator:

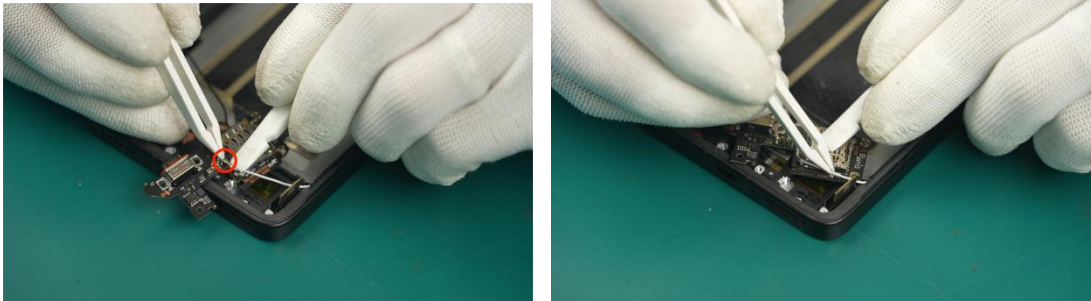
Place the Vibrator into the correct position on the device and snap the cable into place.




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

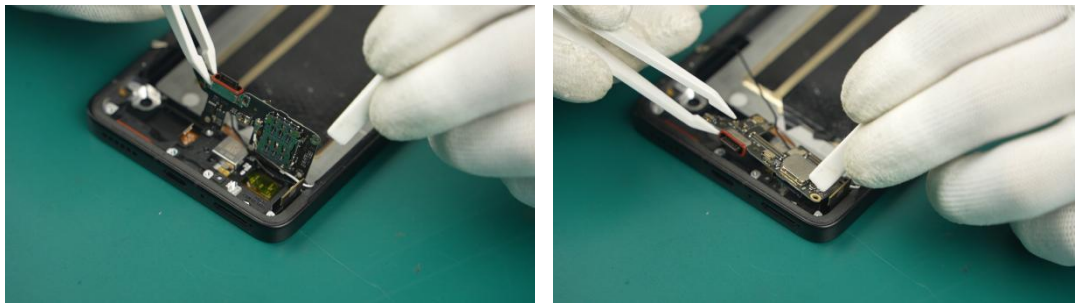
### 3. Assemble the Sub-Board Assy:


- (1) Connect the Coaxial Cable-White to the Sub-Board Assy and organize it into the cable trough of the Sub-Board Assy.



-  Please ensure that the Coaxial Cable-White is arranged in the cable trough, otherwise the cable harness will be squeezed during subsequent installation.

- (2) Install and press gently to ensure it is firmly in place.



-  • Please check the components underneath when installing the Sub-Board Assy. If the components underneath are not properly installed, the Sub-Board Assy may not be properly installed.
- Please make sure that all the clips are locked into place, otherwise it will affect the subsequent installation.

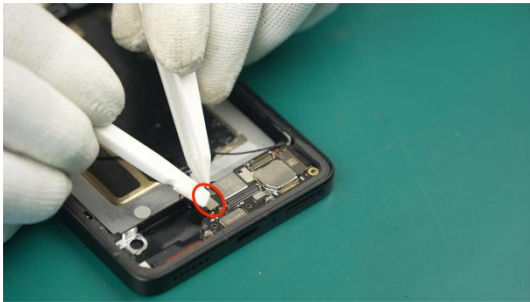
## Disassembly and Assembly

(3) Connect the Front Cover Display Module to the Sub-Board 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.

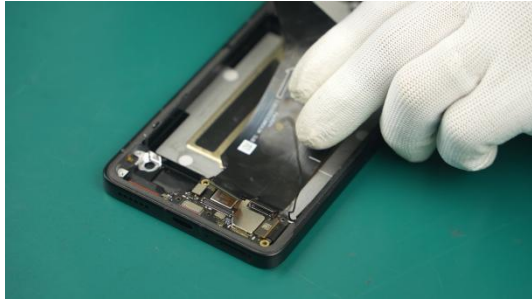
(4) Connect the Fingerprint Module to the Sub-Board Assy.



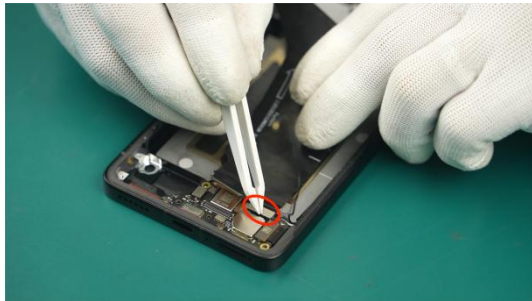
💡 You can press the wiring harness interface with your fingers. If you can clearly feel a "click" sound, it means the interface is connected in place.

### 4. Assemble the Main FPC Assy:

(1) Place the Main FPC Assy in the correct position of the device.

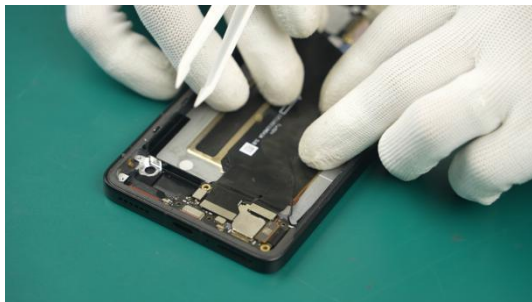


(2) Connect the Main FPC Assy to the Sub-Board Assy.



💡 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.

(3) Press the Main FPC Assy to ensure it fits flat and does not lift up.




📁 During the subsequent assembly process, you need to check whether the FPC Assy is lifted up to avoid squeezing the harness during assembly.

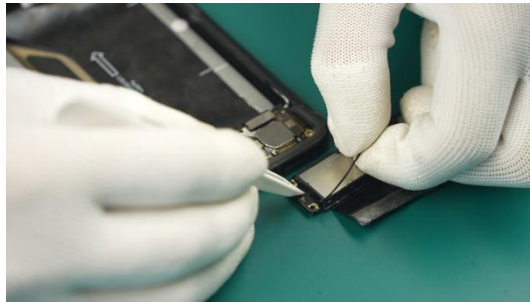
### 5. Assemble the Antenna Board Assy:


(1) Connect the Coaxial Cable-Black to the Antenna Board Assy.



 Please make sure it is installed in place and not lifted up, otherwise it will affect the subsequent installation.

(2) Align the Antenna Board Assy with the positioning posts on the Speaker Assy and press gently to secure it to the back of the Speaker Assy.




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

### 6. Assemble the Speaker Assy:


- (1) Place the Speaker Assy into the correct position and press lightly to ensure it is installed in place.



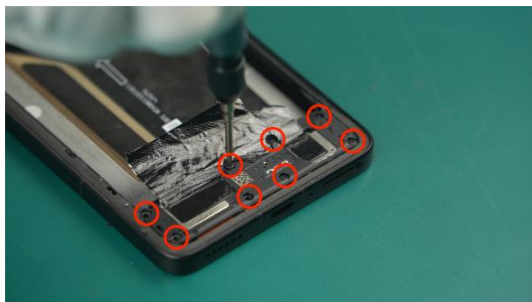
-  Please make sure that the Speaker Assy does not pinch the wiring harness and other components underneath.


- (2) Arrange the Coaxial Cable-Black into the cable trough.



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

- (3) Tighten the screws.



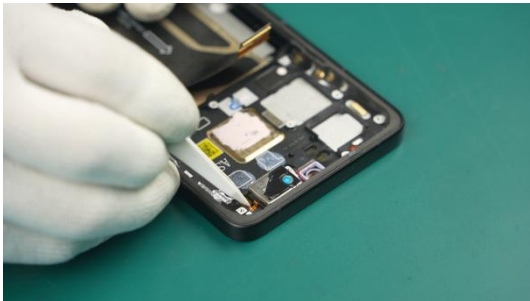
-  Check the number of screws installed to ensure that no unassembled screws were left inside the device during assembly.


### 7. Assemble the Receiver:

(1) Place the Receiver in the correct position of the device.



(2) Gently press the cable to ensure it fits flat.



-  • During the subsequent installation, pay attention to whether the receiver cable is lifted up and do not squeeze the receiver cable.
- Use moderate force when holding components with tweezers to avoid squeezing small components such as capacitors and resistors.

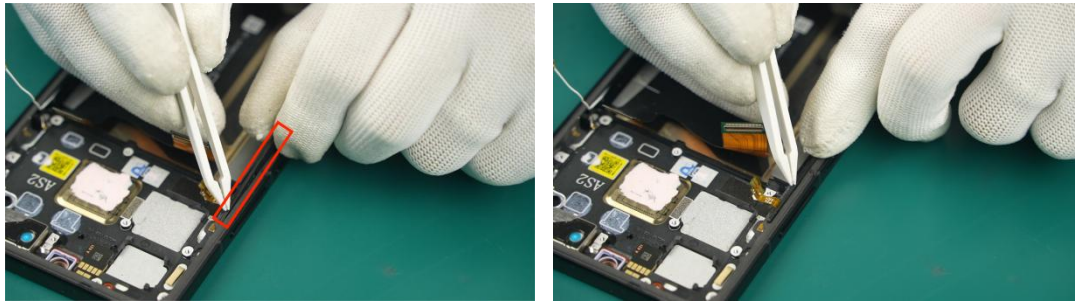
### 8. Assemble the Light Sensor Board Assy:



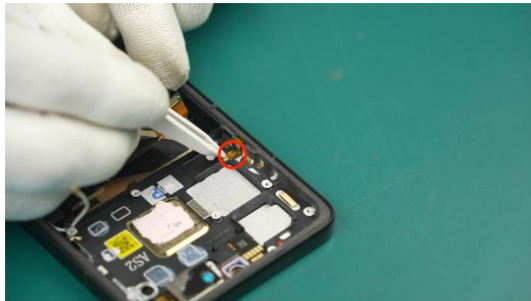
-  Do not use metal tools to press to avoid damaging the Light Sensor Board Assy.


### 9. Assemble the Holder-Side Key FPC:

(1) Place the Side Key FPC into the correct position.



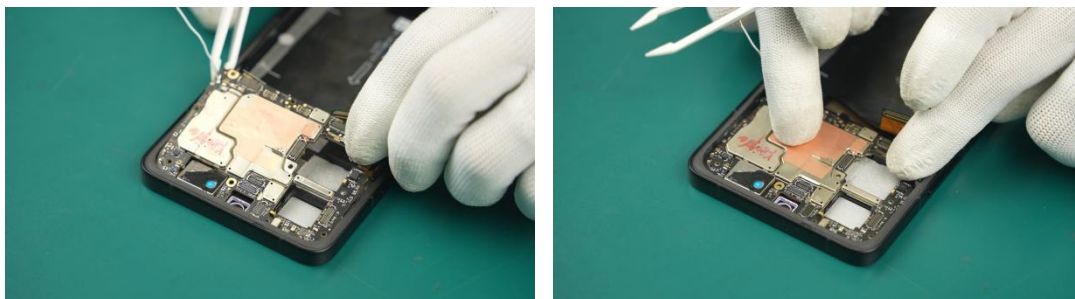
(2) Tidy up the wiring harness to ensure it is installed in place.




 During the subsequent installation process, you need to check whether the Side Key FPC harness is lifted up to avoid squeezing the harness during installation.

### 10. Assemble the Mainboard Assy:

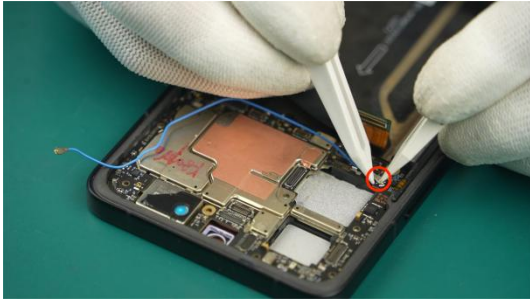
Place the Mainboard Assy into the correct position of the device and press gently to ensure it is firmly seated.



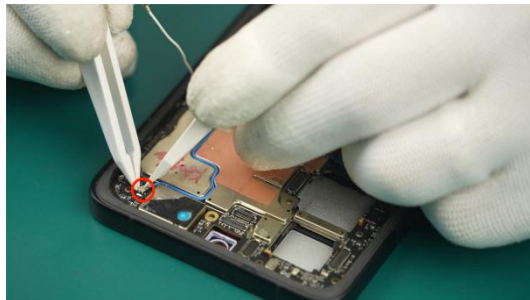
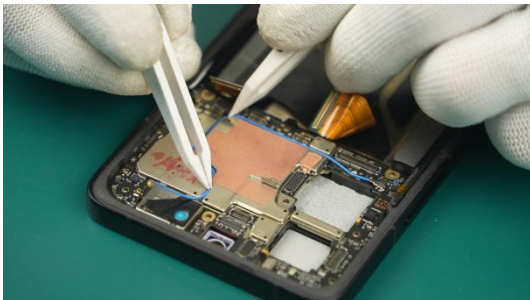
 Please make sure that all the clips are locked into place, otherwise it will affect the subsequent assembly.


### 11. Connect the Coaxial Cables:

(1) Connect one end of the Coaxial Cable-Blue to the Mainboard Assy.

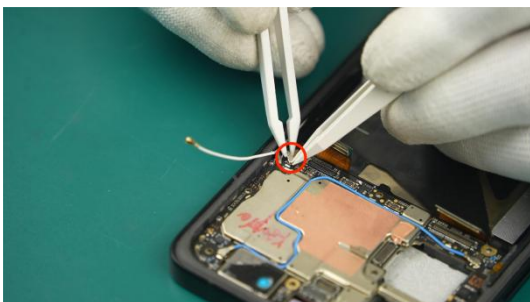



(2) Arrange the Coaxial Cable-Blue to the cable trough and connect the other end of the Coaxial Cable-Blue to the Mainboard Assy.



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

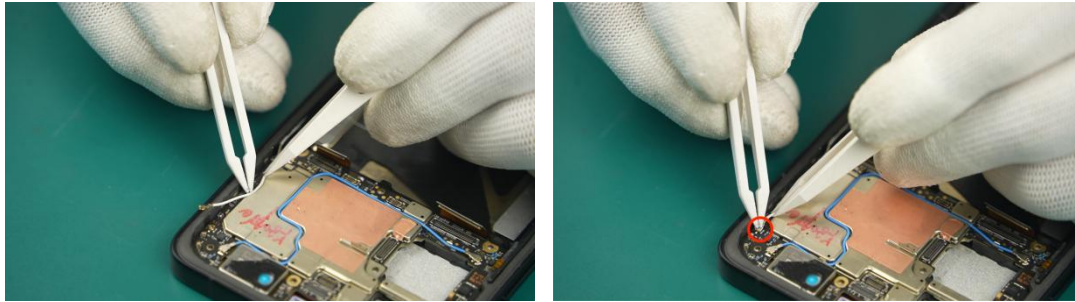
(3) Connect one end of the Coaxial Cable-Black to the Mainboard Assy.





 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.

## Disassembly and Assembly

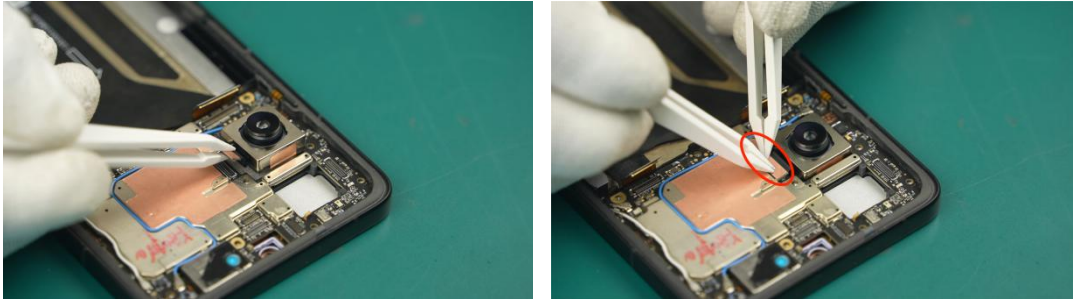
- (4) Organize the Coaxial Cable-White into the cable trough and connect it to the Mainboard Assy.





-  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.

### 12. Assemble the Camera Assy:

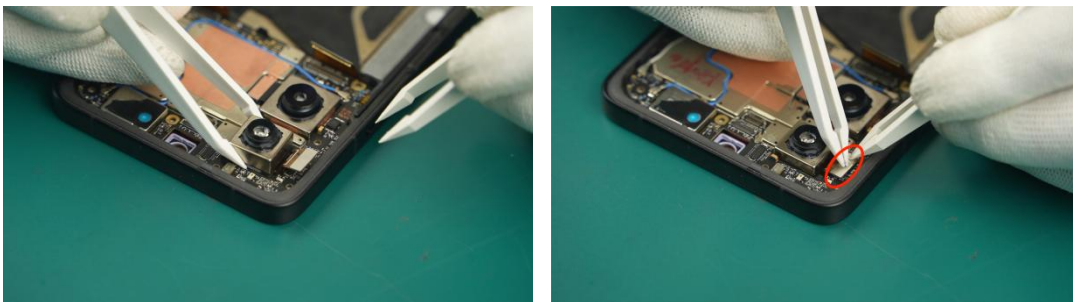
- (1) Place the Camera-Rear-Main in the correct position of the device and connect it to the Mainboard Assy.





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

-  • 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.
- After installation, you can gently shake the lens to ensure that it is installed in place.

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

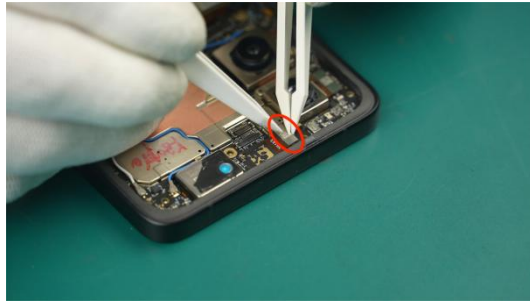
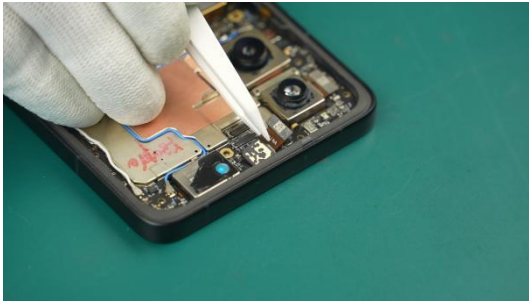




 Do not touch the camera lens directly during operation to avoid scratching the lens.

-  • 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.
- After installation, you can gently shake the lens to ensure that it is installed in place.

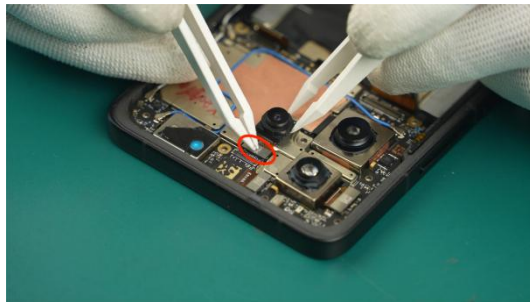
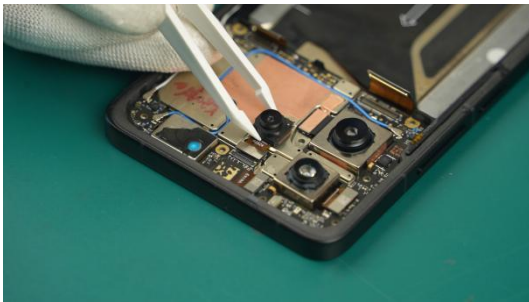
## Disassembly and Assembly



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



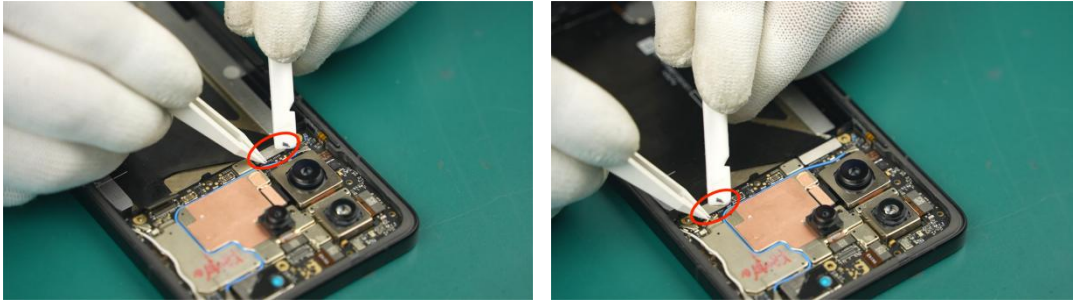
-  Do not touch the camera lens directly during operation to avoid scratching the lens.
-  You can press the wiring harness interface with your fingers. If you can clearly feel a "click" sound, it means the interface is connected in place.



- (4) Place the Camera-Rear-Ultra Wide Angle 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.
-  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.

### 13. Connect the FPC Assy:

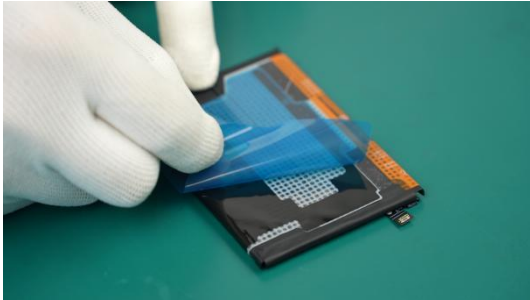



-  Please ensure that the Main FPC Assy fits flatly with the device to avoid damage to the Main FPC Assy caused by squeezing other accessories during subsequent assembly.
-  You can press the wiring harness interface with your fingers. If you can clearly feel a "click" sound, it means the interface is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

### 14. Assemble the Battery:

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

(1) Remove the Easy Release Adhesive protective film from the new battery.

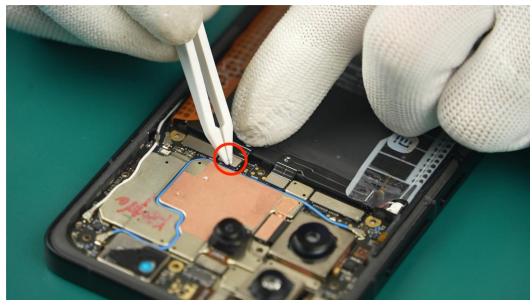
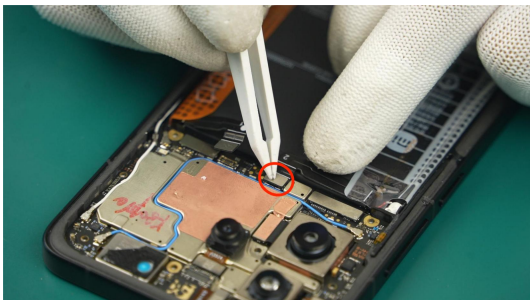


 Please try not to touch the surface of the Easy Release Adhesive to avoid contamination of the Easy Release Adhesive and affecting the adhesion effect.

(2) Align the battery with the correct position of the device, install and press to ensure it fits in place.



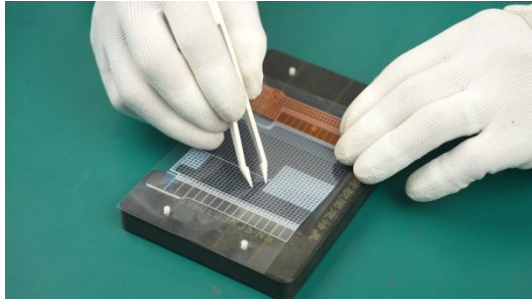
(3) Connect the Battery to the Mainboard Assy.



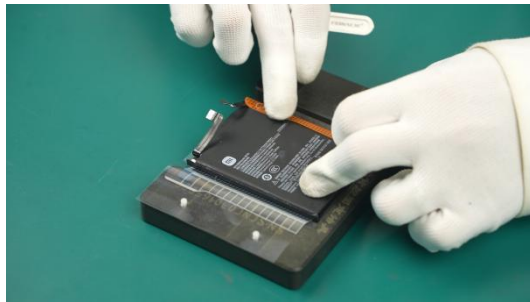
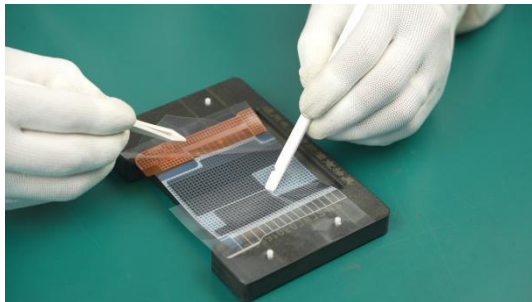
## Disassembly and Assembly

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

- (1) Align the positioning hole of the Easy Release Adhesive with the positioning column of the Battery adhesive applicator.



- (2) Tear off the protective film, try to avoid touching the adhesive surface to prevent it from being contaminated and affecting the assembly effect, then align and attach the batteries.



- (3) Tear off the protective film on the other side of the Easy Release Adhesive, and try to avoid touching the adhesive surface.

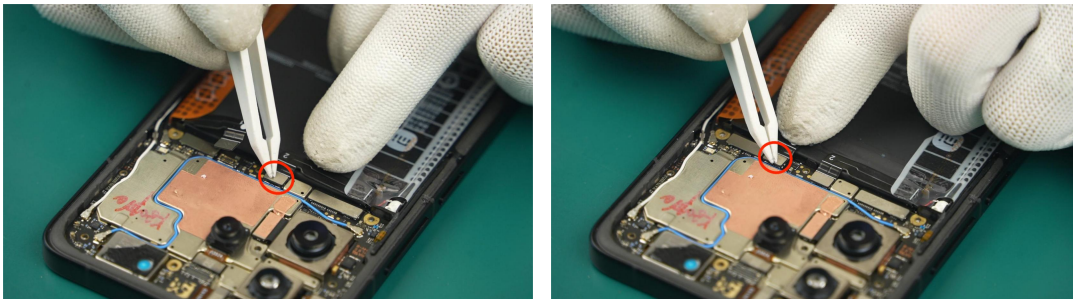


## Disassembly and Assembly

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



(5) Connect the Battery to the Mainboard Assy.




- During the entire battery installation process, please try not to touch the surface of the Easy Release Adhesive to avoid contamination of the Easy Release Adhesive and affecting the adhesion effect.
- Try to perform this step in a dust-free environment.

### 15. Assemble the Mainboard Cover Assy:


- (1) Snap the Mainboard Cover Assy onto the device, pressing gently to ensure each clip snaps into place.



-  Before pressing, make sure the accessories and wiring harness below are installed in place, and do not squeeze the accessories and wiring harness below.


- (2) Connect the Mainboard Cover Assy cable 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.

- (3) Tighten the screws one by one.




-  Please check the number of screws installed to ensure that no unassembled screws are left inside the device.

### 16. Assemble the Battery Cover Assy:

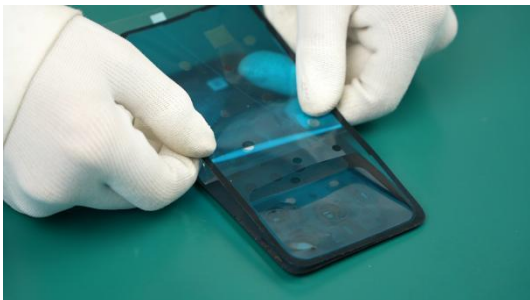
 If you are the customer, please refer to the following method:


(1) Please first remove the Battery Cover Adhesive left on the Battery Cover Assy.




 Using special alcohol can help you clean the Battery Cover Adhesive better.

(2) Tear off the new Battery Cover Adhesive protective film, carefully align it with the Battery Cover Assy.



 Please try not to touch the surface of the Battery Cover Adhesive to avoid contamination of the Battery Cover Adhesive and affect the adhesion effect.

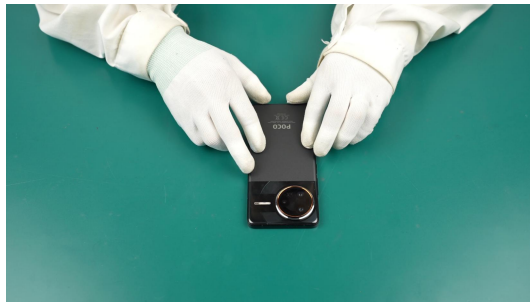
 When assembling, tear off half of the protective film first, hold the part that has not been torn off from the protective film, align it with the device, fit it in place, then tear off the protective film completely.


## Disassembly and Assembly

(3) Press to ensure that the Battery Cover Adhesive and Battery Cover Assy fit accurately.



(4) Tear off the protective film on the other side of the Battery Cover Adhesive, install the Battery Cover Assy, and press to ensure a firm fit.




 Before attaching the new Battery Cover Adhesive, please clean the remaining Battery Cover Adhesive.

## Disassembly and Assembly

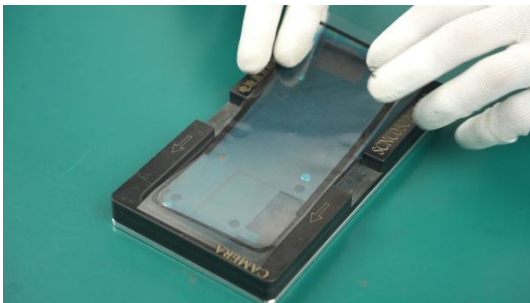
 If you are a professional authorized repairer, please refer to the following method:

(1) Please first remove the Battery Cover Adhesive left on the Battery Cover Assy.



 Using special alcohol can help you clean the Battery Cover Adhesive better.

(2) Put the Battery Cover Adhesive into the Adhesive backing fixing tool, and align it with the positioning hole.

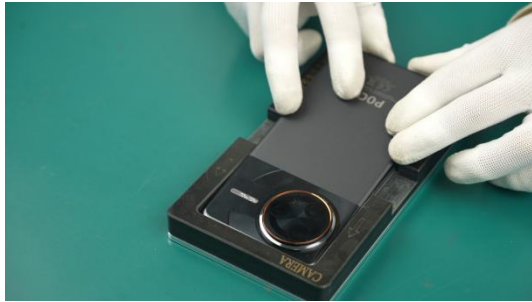


(3) Tear off the protective film of the Battery Cover Adhesive, and do not touch the adhesive surface.



## Disassembly and Assembly

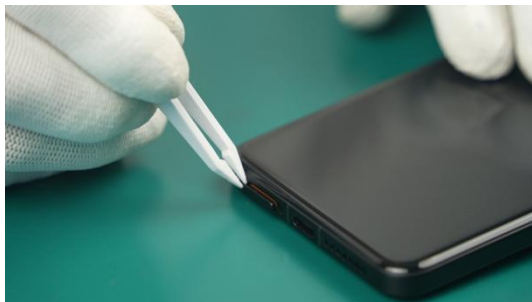
- (4) Put the Battery Cover Assy into the Adhesive backing fixing tool, press gently to make the Battery Cover Adhesive and the Battery Cover Assy fit together.



- (5) Tear off the protective film on the other side of the Battery Cover Adhesive, align the Battery Cover Assy with the device, and press gently to install it in place.




### 17. Assemble the SIM Card Tray:




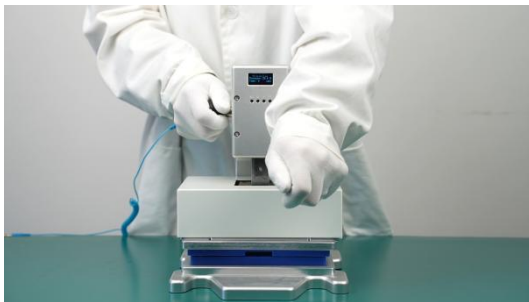
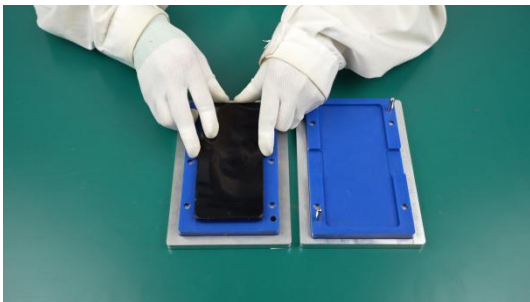
Please do not use hard tools to install the SIM card tray to avoid scratching the device.

### 18. Crimp Mobile Phone:

-  If you are the customer, please press gently on a flat surface to ensure that the Battery Cover Assy fits securely.



-  If you are a professional authorized repairer, place the phone into the Battery cover assembly press device and press for 60 seconds using the Crimping tool.

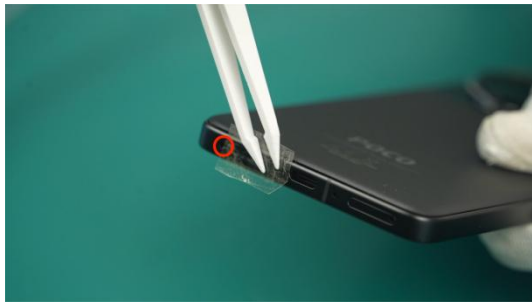


### 19. Air Tightness Test:

👤 If you are the customer and your phone has dust and water resistance function, please contact a professional authorized repairer, otherwise the dust and water resistance function may become ineffective.

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

(1) Seal the other holes with tape as shown in the figure, leaving only the air tightness test hole.



(2) Use the Air tightness tester, aim at the air tightness test hole, and perform the test. If "OK" is displayed on the screen, it means that the mobile phone has passed the test.

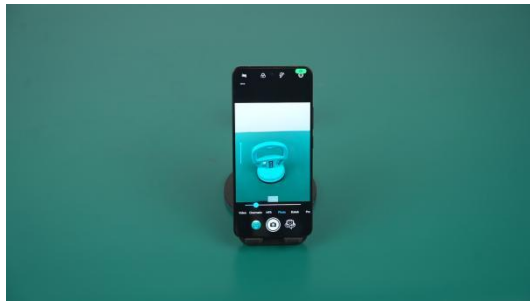
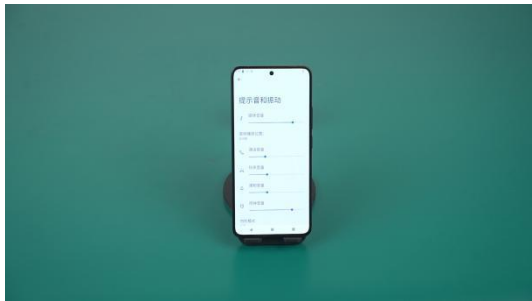
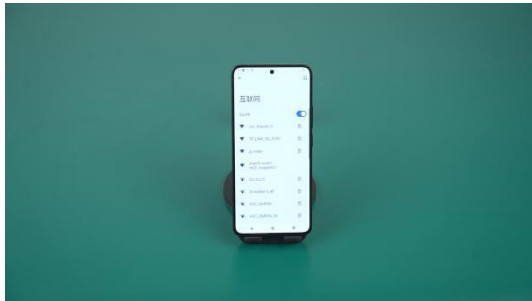


### 20. Test Phone Functions:

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



(2) Test whether the phone'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.

链接待提供

# xiaomi

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