

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;



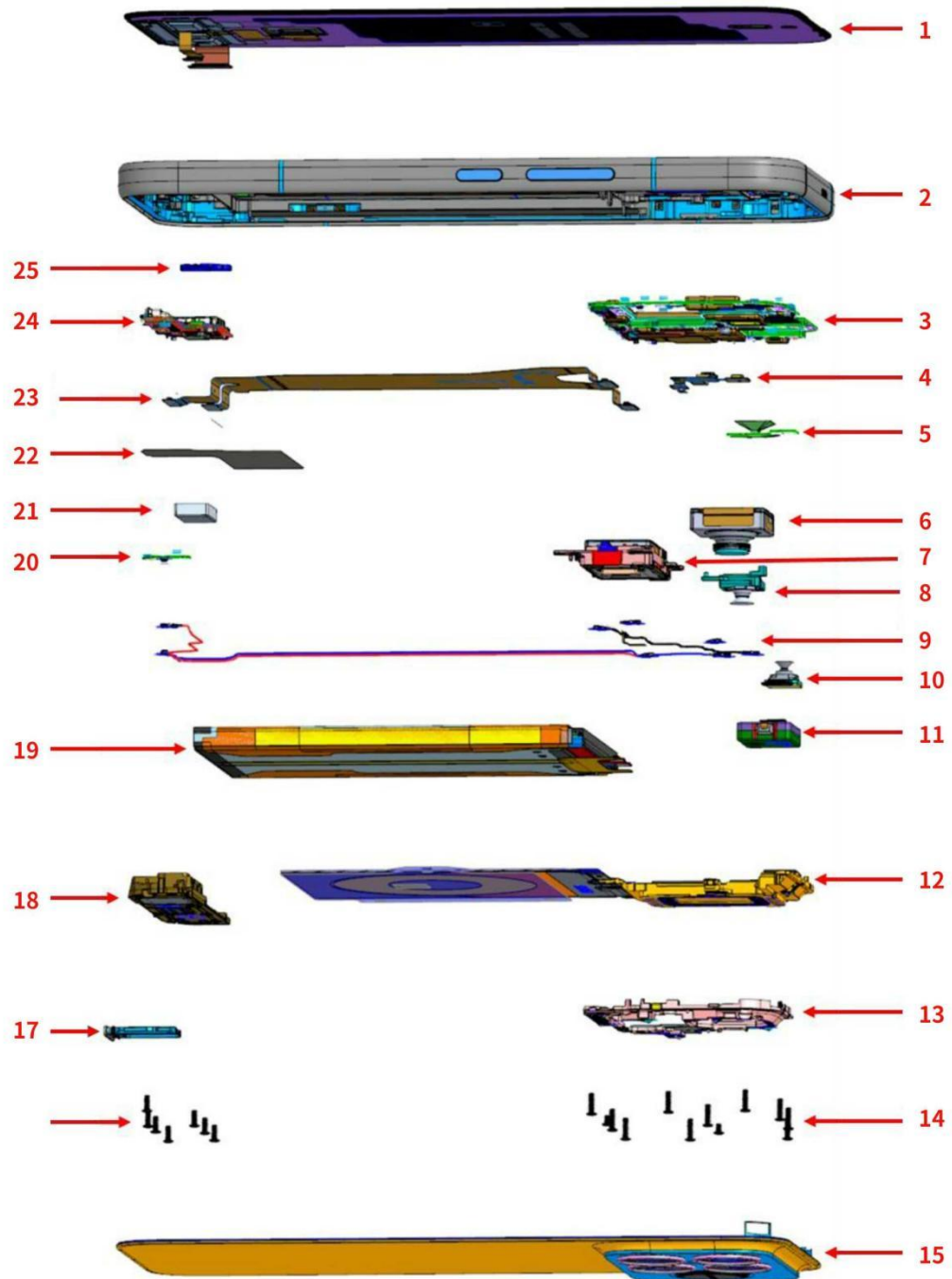
Customers: If you are the customer, please refer to the precautions/operations under this icon;



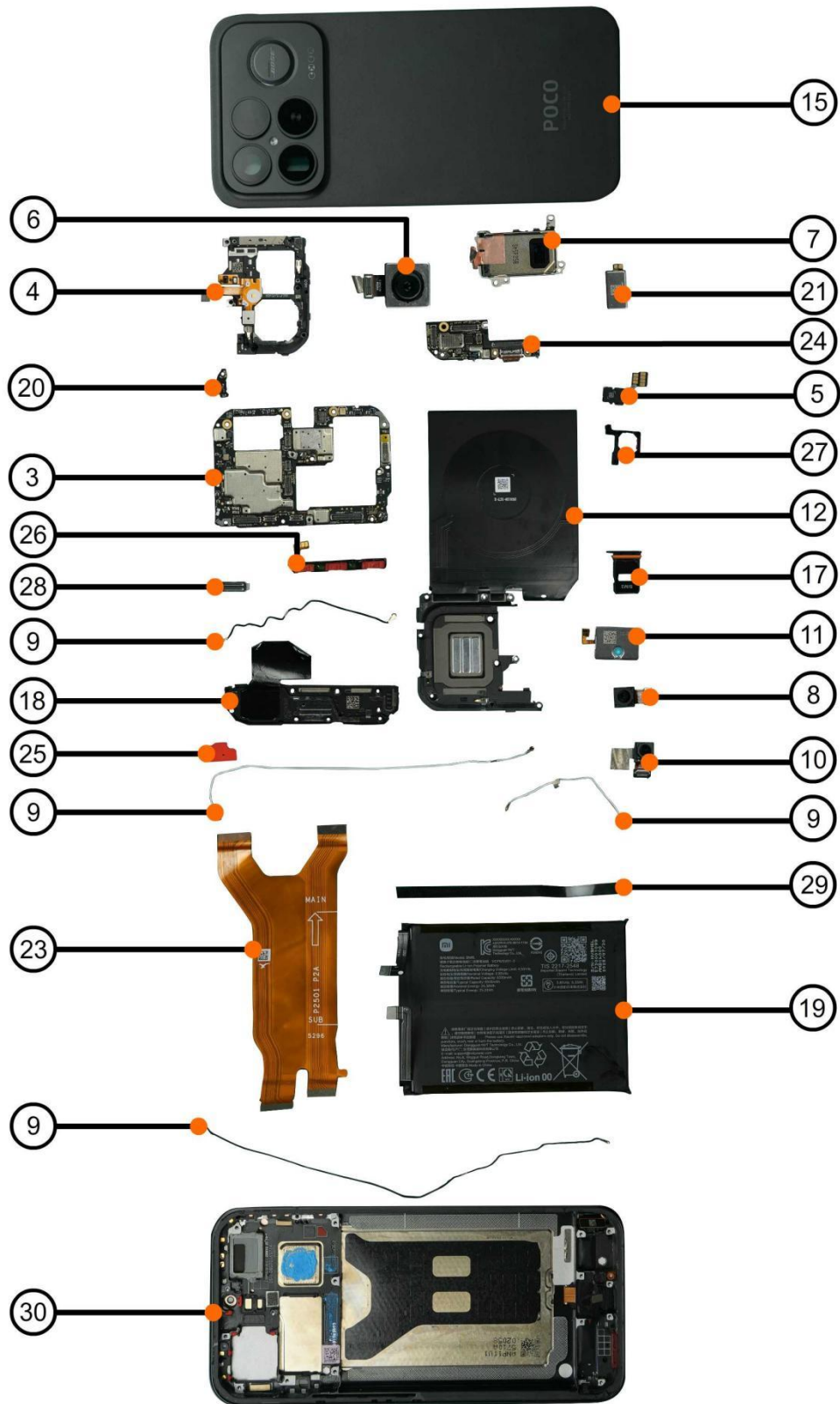
Professional authorized repairer: If you are the professional authorized repairer, please refer to the precautions/operations under this icon.

Materials and List

Materials (All)



Materials (Required for this disassembly and assembly)



List


Serial number	Name
1	Lens-Deco Sheet
2	Middle Frame Assy
3	Main FPC Assy
4	Flash Light FPC Assy
5	Light Sensor Board Assy
6	Camera-Rear-Main
7	Camera-Rear-Telephoto Mode
8	Camera-Rear-Ultra-Wide Angle
9	Coaxial Cable
10	Camera-Front
11	Receiver
12	Bracket Assy
13	Antenna Back Cover
14	Screw
15	Battery Cover Assy
16	Screw
17	SIM Card Tray
18	Speaker Assy
19	Battery
20	Antenna Board Assy
21	Vibrator
22	Graphite-Lower BOX
23	Main FPC Assy
24	Sub-Board Assy
25	Rubber
26	FPC Assy-Side Key













Materials and List

27	Bracket Assy
28	BTB Cover
29	Mylar
30	Front Cover Assy

















Tools and Materials

Tools





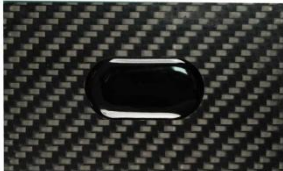




 When disassembling and assembling the phone, please wear protective equipment to prevent injury.

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).	 




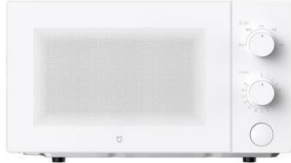





Tool Preparation

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 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.	 
Battery		Used when replacing the battery.	 
Front Cover Display Module		Used when replacing the screen.	 

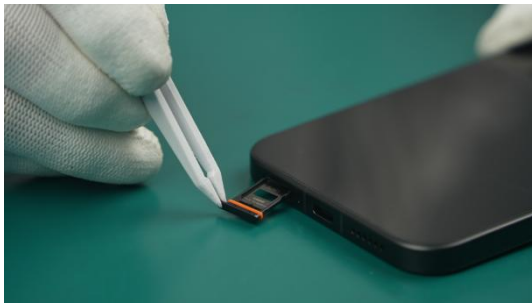
Disassembly

💡 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 slot.





📄 To prevent scratching the device's surface, it is advisable to remove the SIM card tray using either your hands or plastic tweezers.

💡 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 a Suction Cup and Plastic Pry Tool to gently cut the adhesive on the Battery Cover.

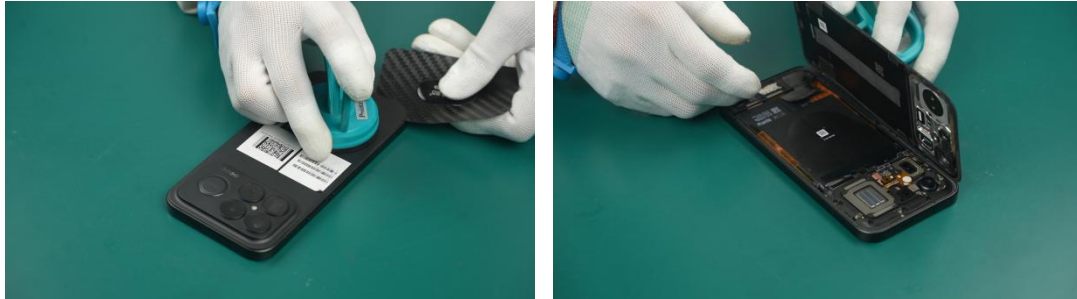





💡 Use the Plastic Pry Tool to slide along the left edge of the device to cut the glue, leaving the Plastic Pry Tool on the left edge side when finished to prevent the adhesive from resealing.

- 📄 • As the Battery Cover Assy may be damaged by excessive force, be careful not to damage the Battery Cover Assy.
- 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 Suction Cup and Plastic Pry Tool, as described above, cut away all the glue around the Battery Cover assembly, then carefully separate the Battery Cover assembly from the device.




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

4. Remove the Bracket Assy:


- (1) Use a needle screwdriver to remove the screws securing the Bracket Assy.



-  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 Bracket Assy from the device.



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


5. Remove the Flash Light FPC Assy:

- (1) Disconnect the Flash Light FPC Assy from the Mainboard Assy.



- (2) Remove the Flash Light FPC Assy.



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

6. Disconnect the cables:

(1) First disconnect the Battery cables.



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

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

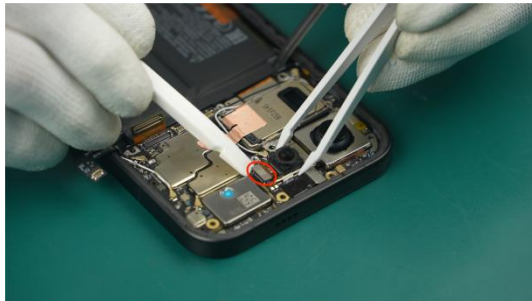



7. Remove the Camera Assy:

(1) Remove the Bracket Assy from the Camera-Rear-Ultra-Wide Angle.




(2) Disconnect Camera-Rear-Ultra-Wide Angle and remove it from the device.



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

(3) Peel off the Copper Foil.




 When peeling off the radiation Copper Foil, handle it carefully to avoid tearing it forcefully and causing damage.

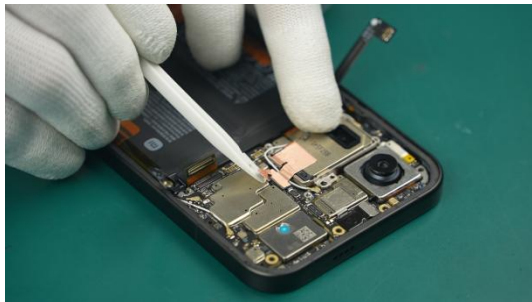
Disassembly and Assembly

(4) Disconnect and remove the Coaxial Cable-Black connected to the Mainboard Assy.

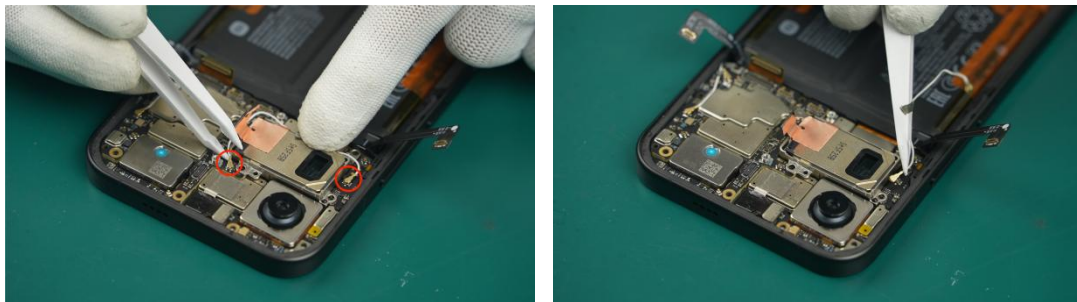



 Do not pull the cable directly when disconnecting to avoid breaking it.

(5) Disconnect the Camera-Rear-Telephoto Mode.



(6) Disconnect and remove the Coaxial Cable-White.




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

Disassembly and Assembly


(7) Remove the Camera-Rear-Telephoto Mode from the device.



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

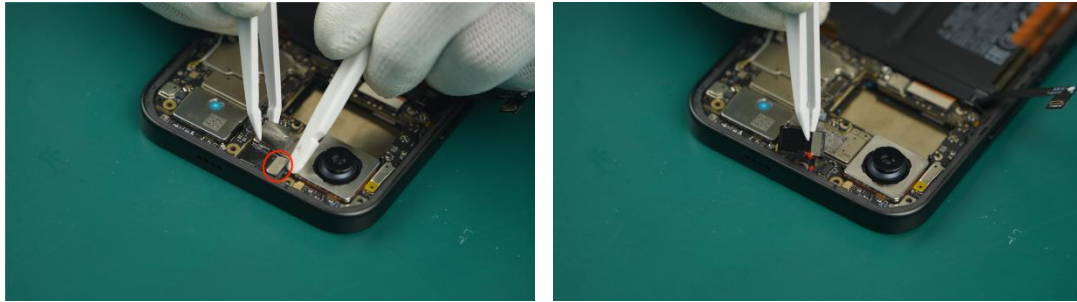
(8) Tear open the Copper Foil.




 When peeling off the radiation Copper Foil, handle it carefully to avoid tearing it forcefully and causing damage.

Disassembly and Assembly

(9) Disconnect the Camera-Front, and remove it from the device.



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

- When removing the Radiating Copper Foil on the Camera-Front, be careful not to tear it hard to avoid damage.
- 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 Main Board Assy, use a Plastic Pry Bar to gently lift it up to avoid breaking the cable.

8. Remove the Mainboard Assy:


- (1) Disconnect the Main FPC Assy from the Mainboard Assy.



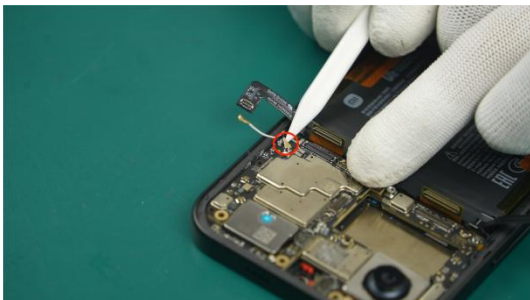
 Be careful not to damage other components during operation.

- (2) Disconnect the Coaxial Cable-White from the Mainboard Assy.



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

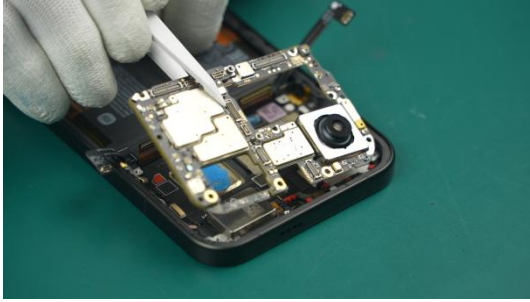
- (3) Disconnect the Coaxial Cable-Black from the Mainboard Assy.




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


Disassembly and Assembly

(4) Remove the Mainboard Assy from the device.

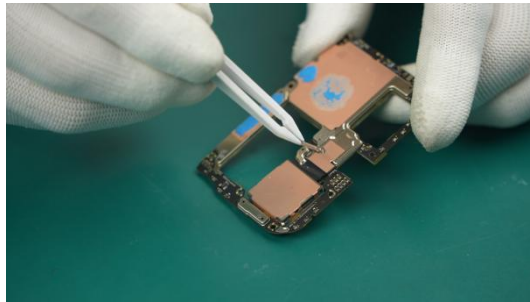
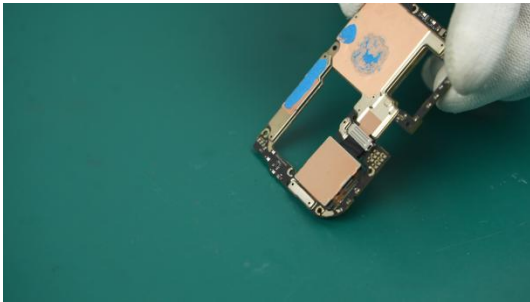



 Carefully lift the Main Board Assy with tweezers and remove the Main Board Assy, being careful not to damage the PBA board.

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

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

(5) Flip the Mainboard Assy over to the back and remove the BTB Cover.



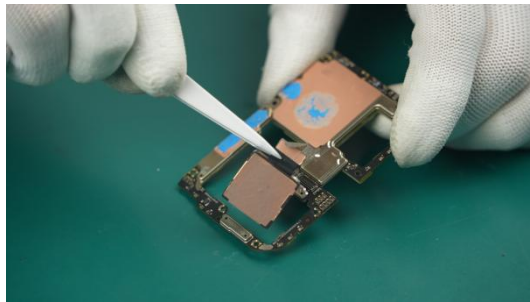
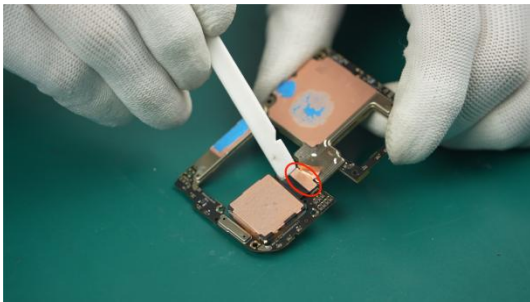
 Be careful not to damage other components during operation.

(6) Tear off the Copper Foil-Main Camera.



i When peeling off the radiation Copper Foil, handle it carefully to avoid tearing it forcefully and causing damage.

(7) Disconnect the Camera-Rear-Main from the Mainboard Assy, and remove it from the Mainboard Assy.

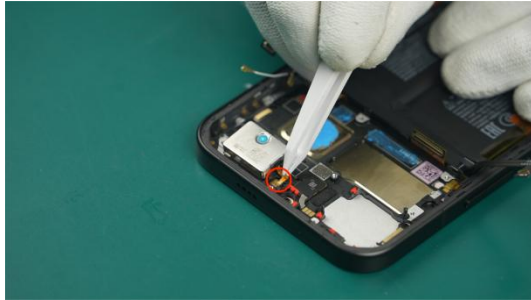


i Do not touch the camera lens directly during operation to avoid scratching the lens.

- When removing the Radiating Copper Foil on the Camera-Front, be careful not to tear it hard to avoid damage.
- 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.

9. Remove the Receiver:


Remove the Receiver from the device.



10. Remove the Light Sensor Board Assy:

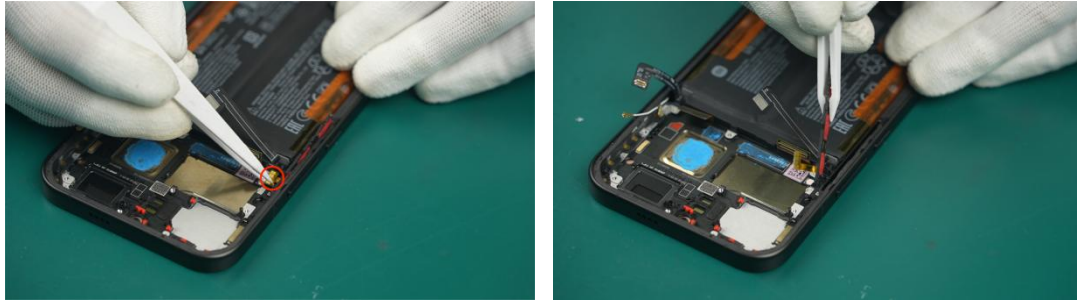
Remove the Light Sensor Board Assy from the device.





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

11. Remove the FPC Assy-Side Key:

Use tweezers to disconnect the FPC Assy-Side Key from the device and remove it.



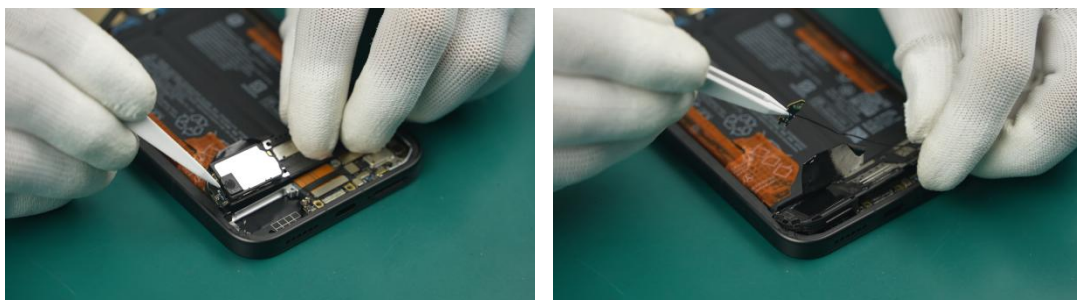
-  Do not use metal tweezers or other hard tools as they may scratch the device.
-  Use ESD Safe Tweezers to cut the adhesive between the FPC Assy-Side key and the device. Use ESD Safe Tweezers to press one side of the FPC Assy-Side key in the slot to lift up the other side of the FPC Assy-Side key. Then use ESD Safe Tweezers to remove the FPC Assy-Side key.

12. Remove the Speaker Assy:

(1) Remove the fixing screws one by one.



(2) Use tweezers to separate the Antenna Board Assy and Coaxial Cable-Black from the Speaker Assy.



(3) Remove the Speaker Assy from the device.

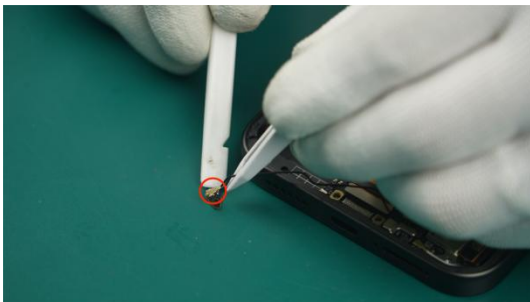


Do not use metal tweezers or other hard tools as they may scratch the device.

- Use tweezers to gently pry the Coaxial Cable-Black out of the speaker assembly, being careful to avoid damaging the cable.
- 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 Antenna Board Assy:

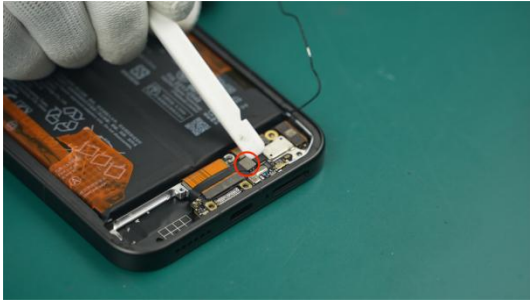
Disconnect Coaxial Cable-Black from the Antenna Board Assy.




- Do not use metal tweezers or other hard tools as they may scratch the device.
- Be careful not to damage the wiring harness interface and surrounding components during operation.

14. Remove the Sub-Board Assy:


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



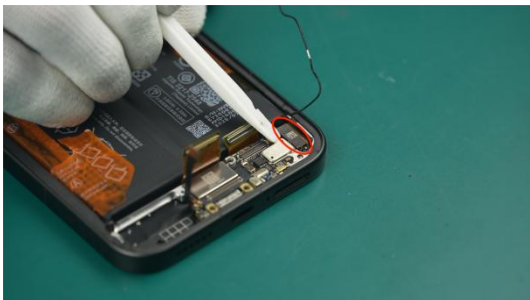
 Be careful not to damage other components during operation.


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



 Be careful not to damage other components during operation.

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



 Be careful not to damage other components during operation.

Disassembly and Assembly


(4) Disconnect the Coaxial Cable-White from Sub-Board Assy.



 Be careful not to damage other components during operation.

(5) Remove the Sub-Board Assy from the device.




 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.

15. Remove the Vibrator:

Remove the Vibrator from the device.




 When clamping components, use appropriate force to avoid damage to the components due to excessive force.

16. Remove the Rubber:

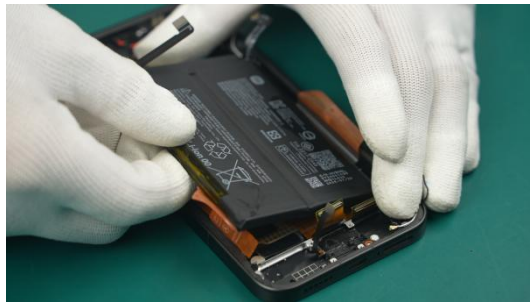
Remove the Rubber from the device.



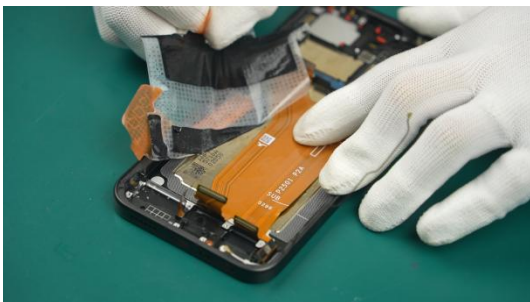
 Please do not use metal tweezers or other hard tools to avoid scratching the device.


17. Remove the Battery:


(1) Tear off the Easy Release Adhesive and remove the Battery.



(2) Tear off the remaining Easy Release Adhesive on the device.

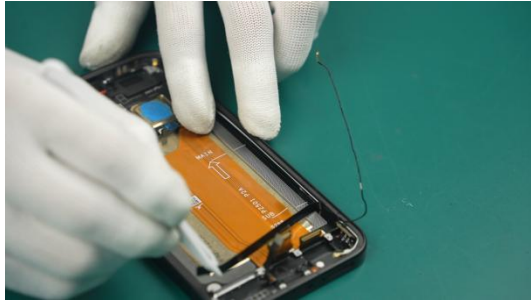


 Be careful not to damage the battery.

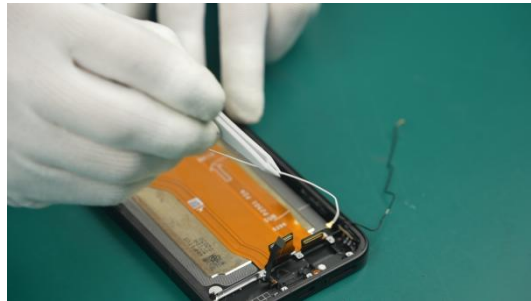
 You can use special alcohol to help remove the adhesive, or use the microwave to heat the heating bags, then heat the device before removing it.


18. Remove the Coaxial Cable:

(1) Tear off the Mylar.

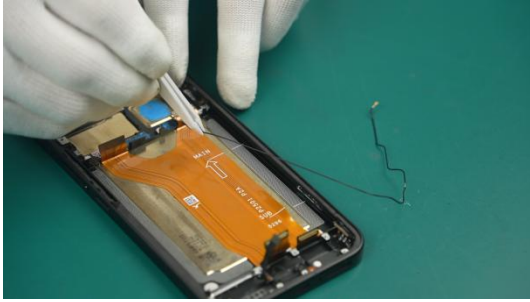


(2) Remove the Coaxial Cable-White from the device.



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

(3) Remove the Coaxial Cable- Black from the device.



- 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.
- 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.



- 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.

19. Remove the Main FPC Assy:

Remove the Main FPC Assy from 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.

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 Vibrator:

Use tweezers to put the Vibrator into the proper position.



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

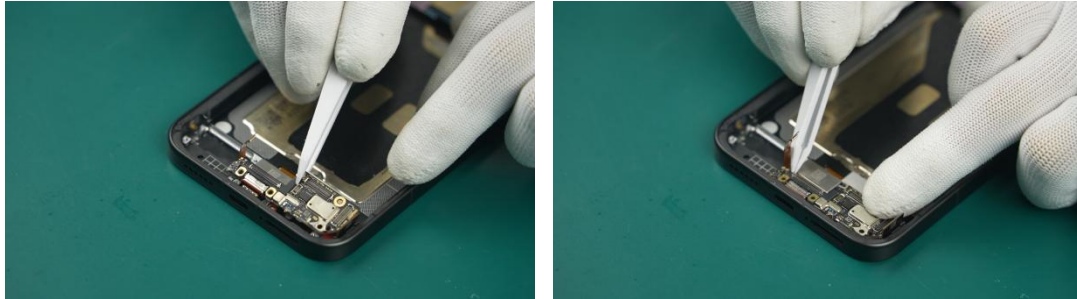
2. Assemble the Rubber:

Use tweezers to put the Rubber into the proper position.



3. Assemble the Sub-Board Assy:

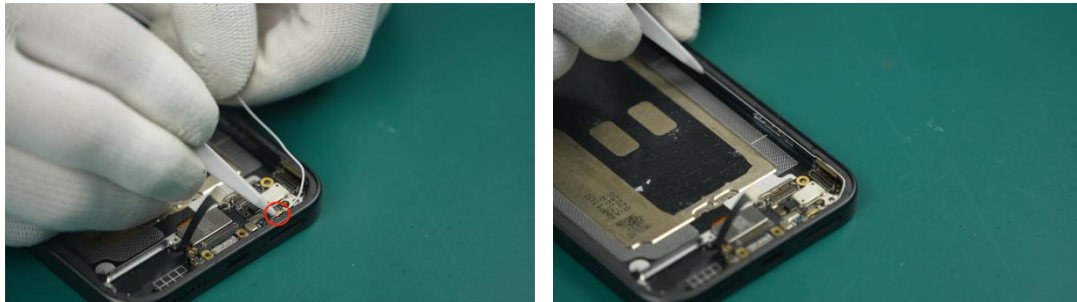
Use tweezers to put the Sub-Board Assy into the correct position and press the Sub-Board Assy lightly to ensure it is installed in place.





 Be careful not to damage other components during operation.

4. Assemble the Coaxial Cable:

(1) Connect the Coaxial Cable-White to the Sub-Board Assy and arrange the cable.

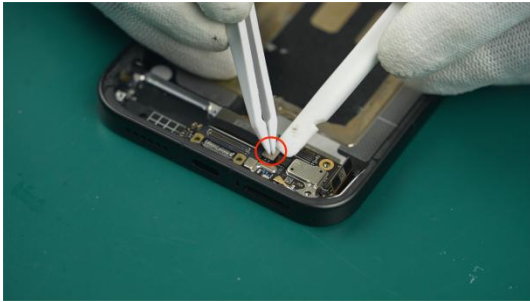


 Be careful not to damage the wiring harness when arranging it.

 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.

Disassembly and Assembly

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



Be careful not to damage other components during operation.



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



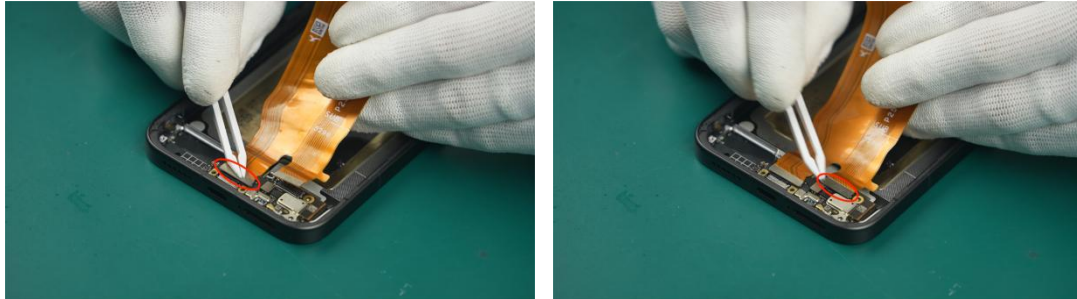
Be careful not to damage other components during operation.




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.

5. Assemble the Main FPC Assy:


- (1) Connect the Main FPC Assy to the Sub-Board Assy and place it in the correct position on the device.



-  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.

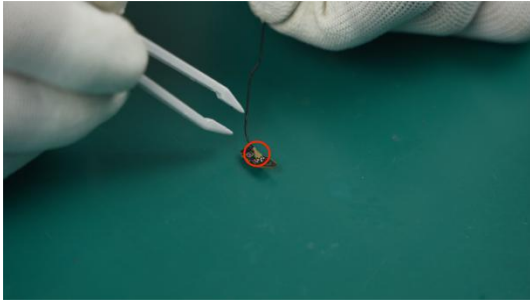
- (2) Press gently to ensure it is seated.




-  • Please press the Main FPC Assy lightly to ensure it is installed in place.
- Please do not use metal tweezers or other hard tools to avoid scratching the device.
 - 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.

6. Assemble the Antenna Board Assy:

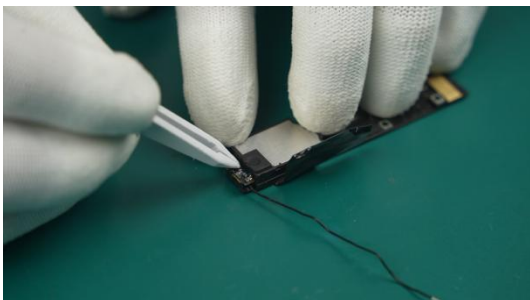
Connect the Coaxial Cable-Black to the Antenna Board Assy.



-  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.

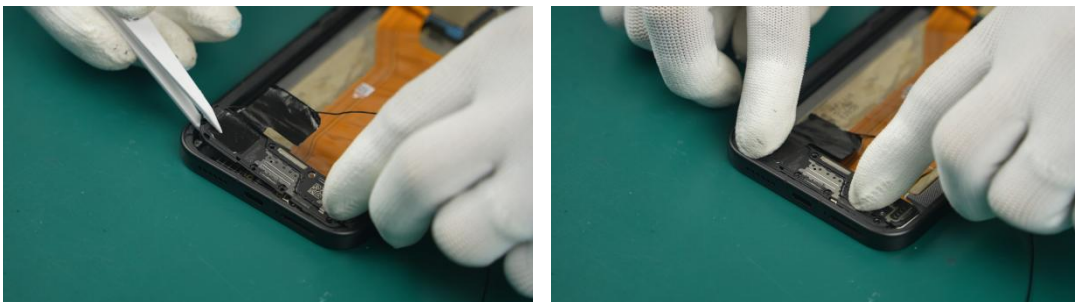
7. Assemble the Speaker Assy:


- (1) Install the Coaxial Cable-Black, which is connected to the Antenna Board Assy into the Speaker Assy.



-  Be careful not to damage other components during operation.

- (2) Place the Speaker Assy into the correct position on the device.




-  Press lightly to ensure it is installed in place.

Disassembly and Assembly

(3) Arrange the Coaxial Cable-Black and insert it into its slot.

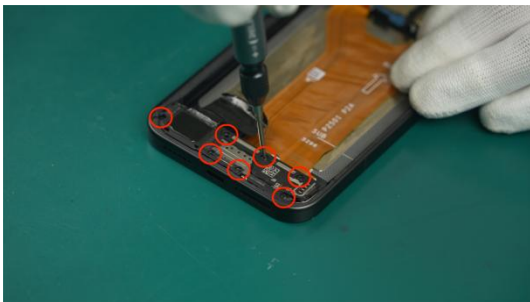



 Be careful not to use excessive force during operation to prevent damage to the wiring harness.

(4) Apply Mylar and press to ensure it is firmly attached.



(5) Tighten the screws of the Sub-Board Assy one by one.




 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 Light Sensor Board Assy:

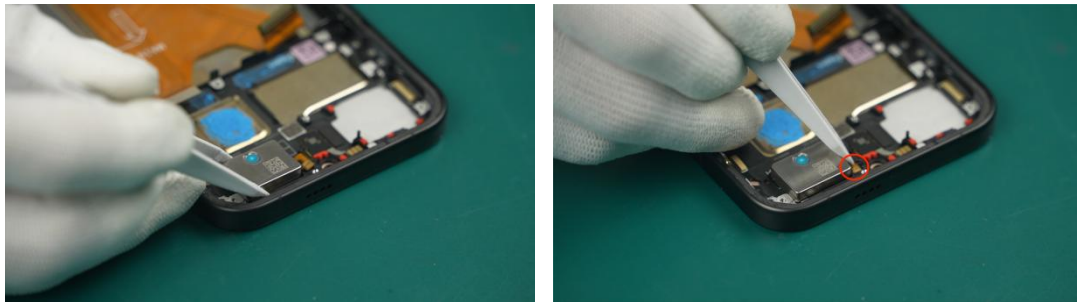
Put the Light Sensor Board Assy into the correct position of the device.




 Press lightly to ensure it is installed in place.

9. Assemble the Receiver:

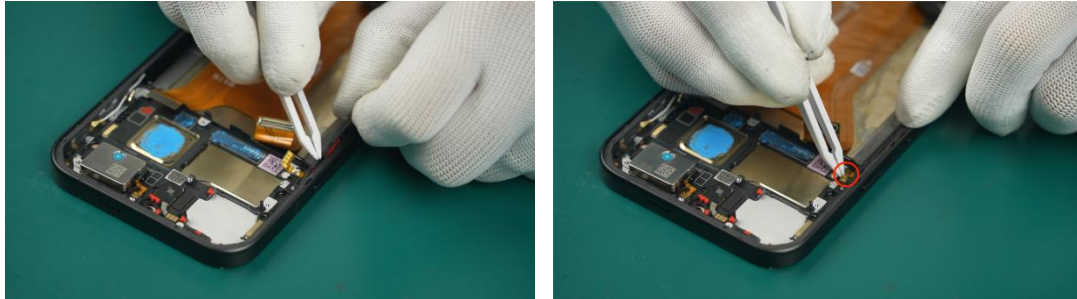
Put the Receiver into the correct position of the device.




-  • Press lightly to ensure it is installed in place.
- Please do not use metal tweezers or other hard tools to avoid scratching the device.

10. Assemble the FPC Assy-Side Key:

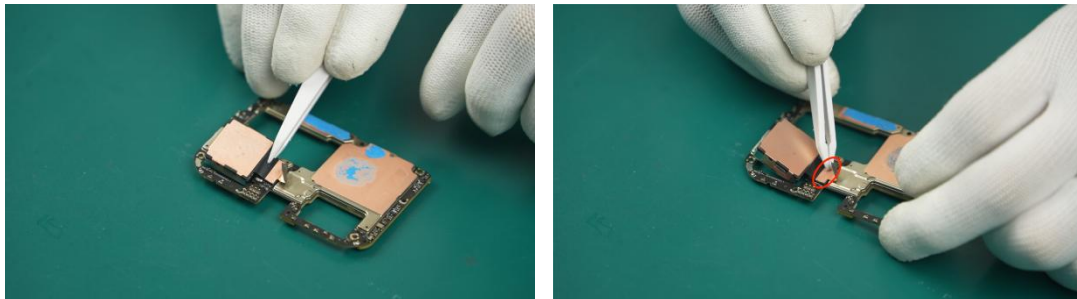
Place the FPC Assy-Side Key into the correct position, and press to ensure it clicks into place.




-  • Please press the FPC Assy-Side key lightly to ensure it is installed in place.
- Please do not use metal tweezers or other hard tools to avoid scratching the device.

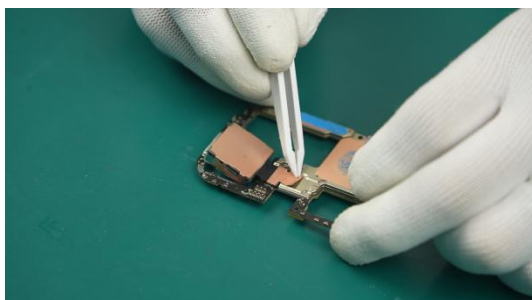
11. Assemble the Mainboard Assy:

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



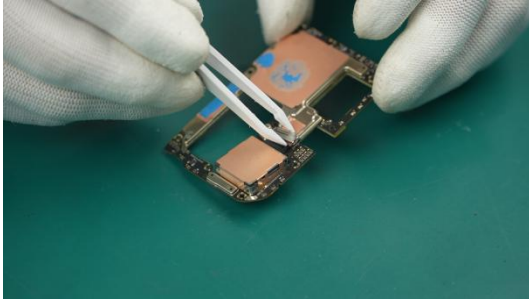
-  Do not touch the camera lens directly during operation to avoid scratching the lens.

- (2) The Copper Foil-Main Camera is adhered and flattened.

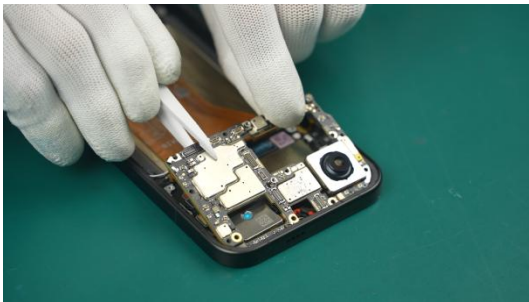


-  Press gently to make sure the Copper Foil-Main Camera is evenly attached.

(3) Install the BTB Cover.



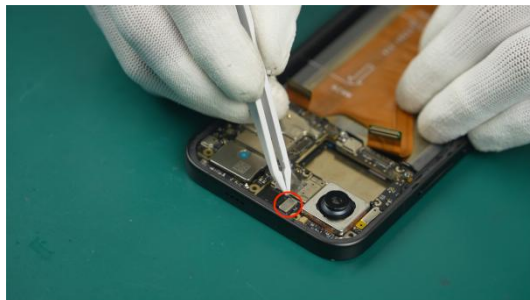
(4) Place the Mainboard Assy into the device and press firmly into place.



i Please do not use metal tweezers or other hard tools to avoid scratching the device. Please check the components underneath when installing the Mainboard Assy. If the components underneath are not properly installed, the Mainboard Assy may not be properly installed.

12. Assemble the Camera Assy:

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



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

Disassembly and Assembly


(2) Fit the Copper Foil flat.



 Press gently to make sure the Copper Foil is evenly attached.


(3) Place the Camera-Rear-Telephoto Mode in the correct position on the device.




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

(4) Arrange the Coaxial Cable-White and connect it to the Mainboard Assy.

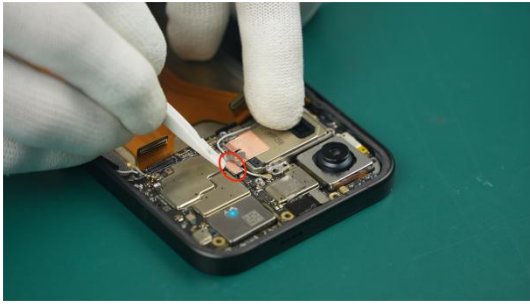



 Be careful not to damage the wiring harness when arranging it.

 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.

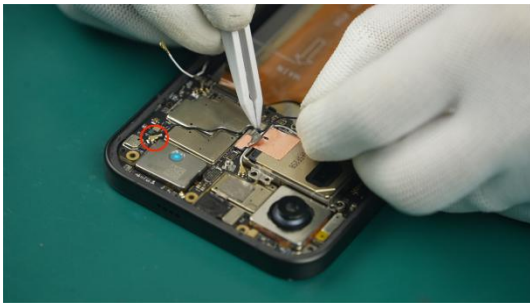
Disassembly and Assembly


(5) Connect the Camera-Rear-Telephoto Mode 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.

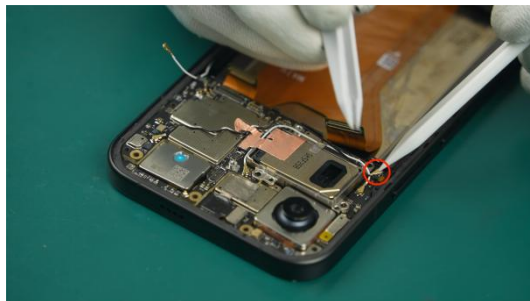
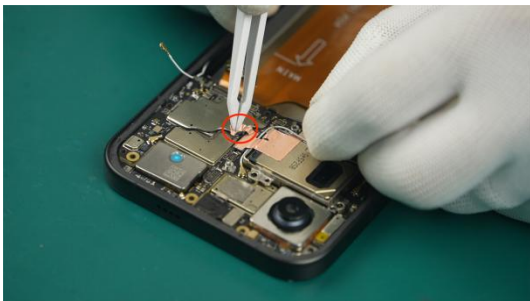
(6) Place the Coaxial Cable-Black in the correct position and connect it to the Mainboard Assy.




 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.

(7) Fit the Copper Foil flat.

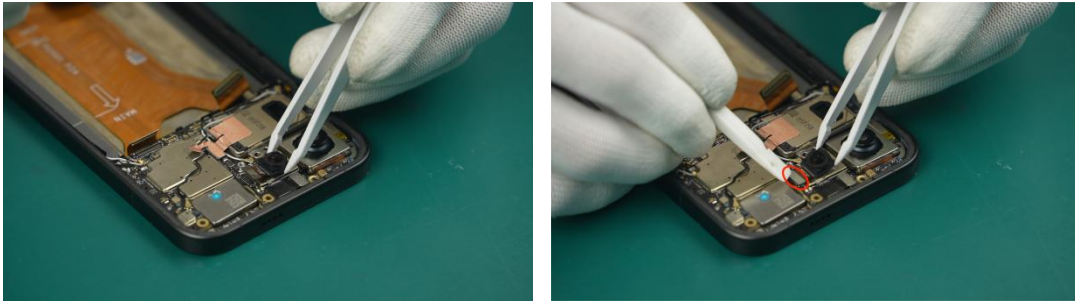



 Press gently to make sure the Copper Foil is evenly attached.

 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



- (8) Place the Camera-Rear-Ultra-Wide Angle in the correct position and connect it to the Mainboard Assy.



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

- (9) Install Bracket 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.
 - To enhance contact in the exposed copper area of the main board assembly ensure that Blackout tape is smoothed out properly.
-  • Attach the Copper Foil flatly. You can press lightly with your fingers to ensure it fits securely.

13. Connects harness:

- (1) Connect the Coaxial Cable-White 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.

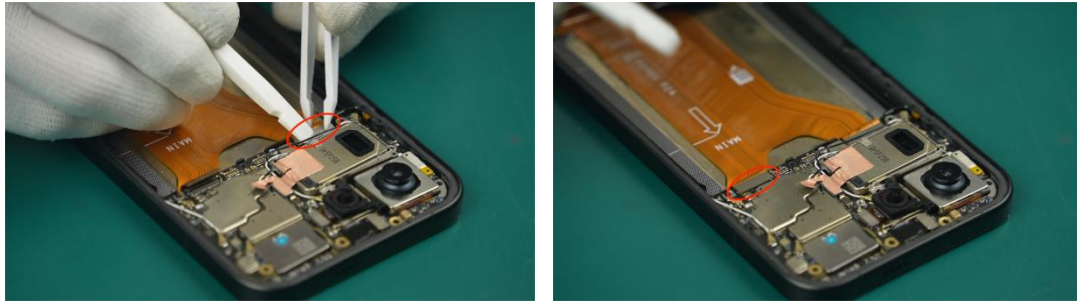
- (2) Connect the Coaxial Cable-Black to the Mainboard Assy.





- 💡 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

(3) Connect the Main FPC Assy to the Mainboard Assy.




-  • Press lightly to ensure it is installed in place.
- Please do not use metal tweezers or other hard tools to avoid scratching the device.
- Please make sure that all the clips are locked into place, otherwise it will affect the 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.

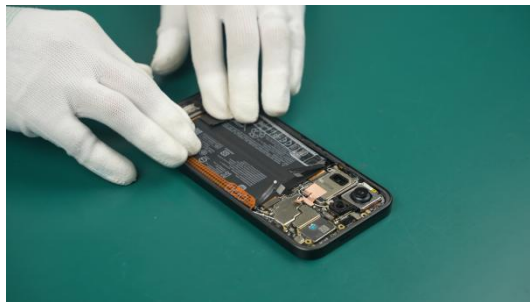
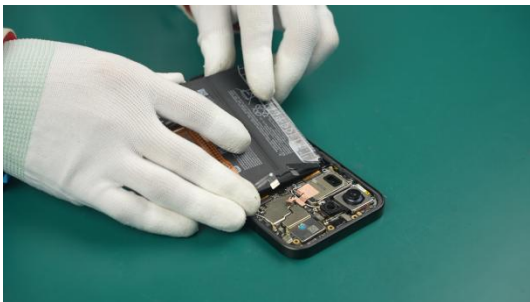
14. Assemble the Battery:

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

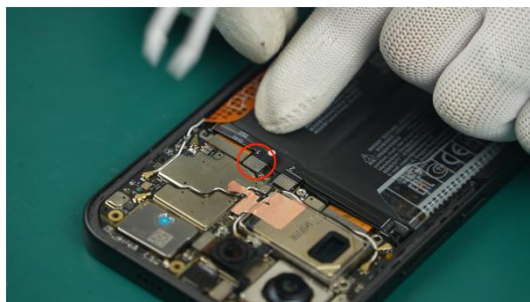



-  Please try not to touch the surface of the Easy Release Adhesive to avoid contamination of the Easy Release Adhesive and affecting the adhesion effect.

- (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.





-  • 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.

15. Assemble the Flash Light FPC Assy:

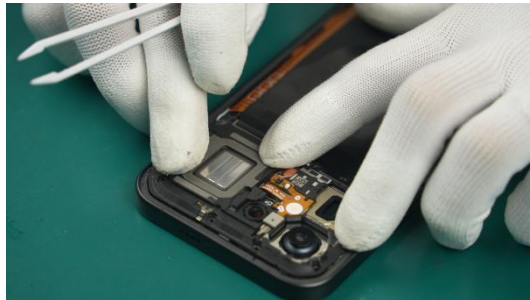
Connect the Flash Light FPC Assy to the Mainboard Assy.




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

16. Assemble the Bracket Assy:


(1) Place the Bracket Assy into the device.




-  • Press lightly to ensure it is installed in place.

(2) Tighten the screws one by one.




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


17. Assemble the Battery Cover Assy:

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

- (1) Tear off the new Adhesive-Battery Cover protective film, and carefully align it with the Battery Cover.



 Please try not to touch the surface of the Adhesive-Battery cover to avoid contamination of the Adhesive-Battery cover 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.


- (2) Press to ensure that the Adhesive-Battery Cover and Battery Cover fit accurately.



Disassembly and Assembly

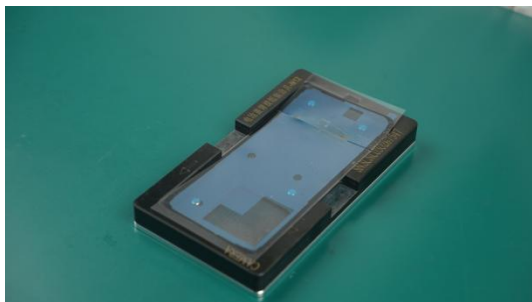
- (3) Tear off the protective film on the other side of the Adhesive-Battery Cover, install the Battery Cover, and press to ensure a firm fit.



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

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

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



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



Disassembly and Assembly

- (3) 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.



- (4) Tear off the protective film on the other side of the Battery Cover Adhesive.




- (5) Align the Battery Cover Assy with the device, and press gently to install it in place.




18. Assemble the SIM Card Tray:

Put the SIM Card Tray back into the device.



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

19. Crimp the phone:

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



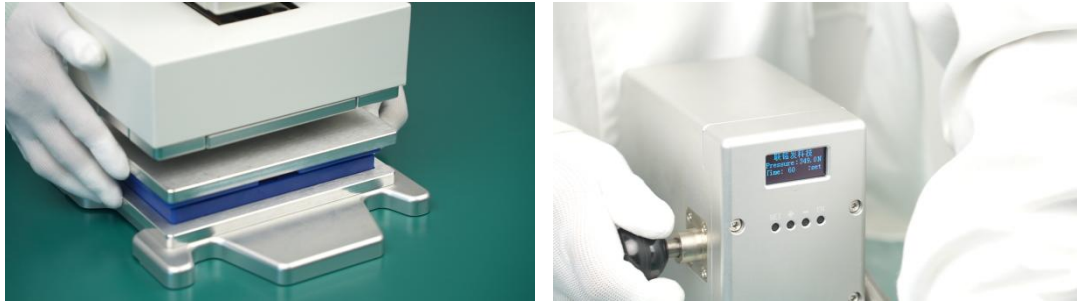
 If you are a professional authorized repairer, please refer to the following method:

(1) Place the phone in the Battery cover assembly press device.





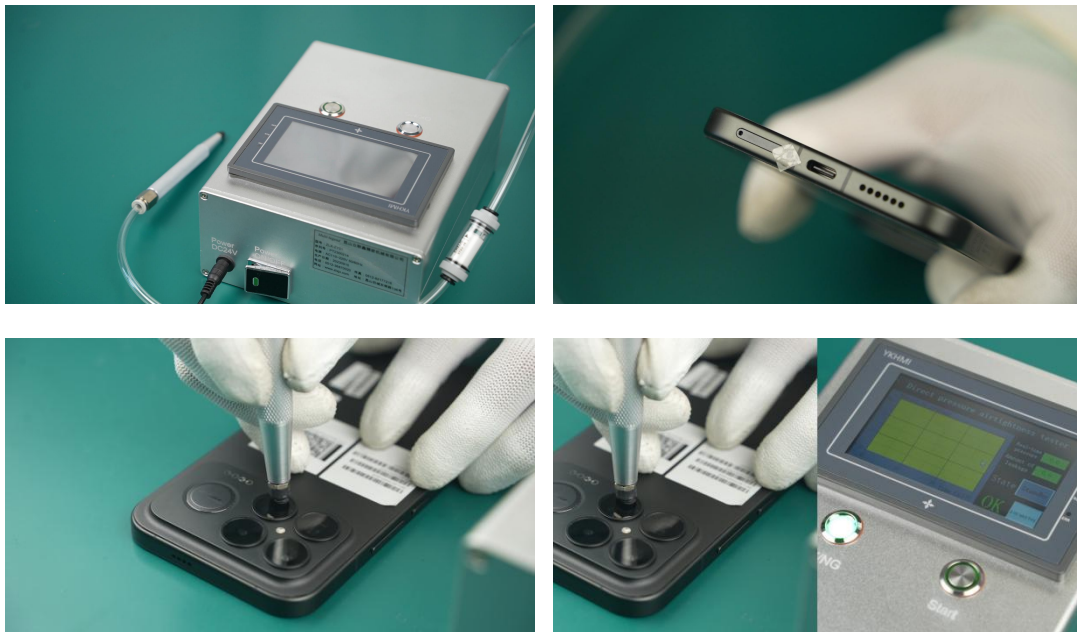
Disassembly and Assembly

(2) Crimp it for 60 seconds using the Crimping tool.



20. 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:
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.

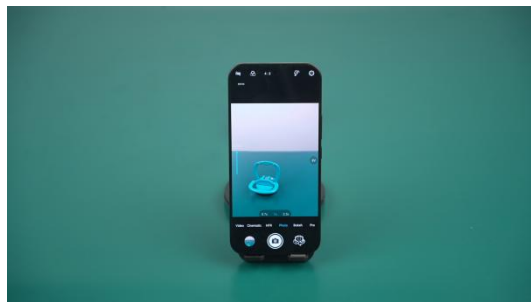
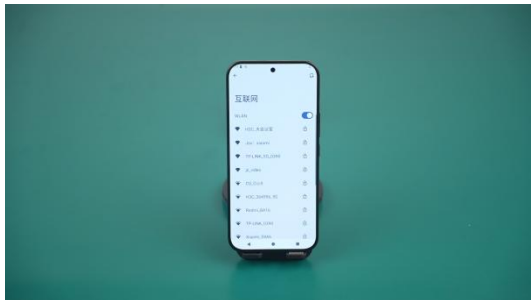


21. Test Phone Functions:

(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 the 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

Quality Inspection

Please refer to the link for specific inspection methods.

链接待提供



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