

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.

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 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

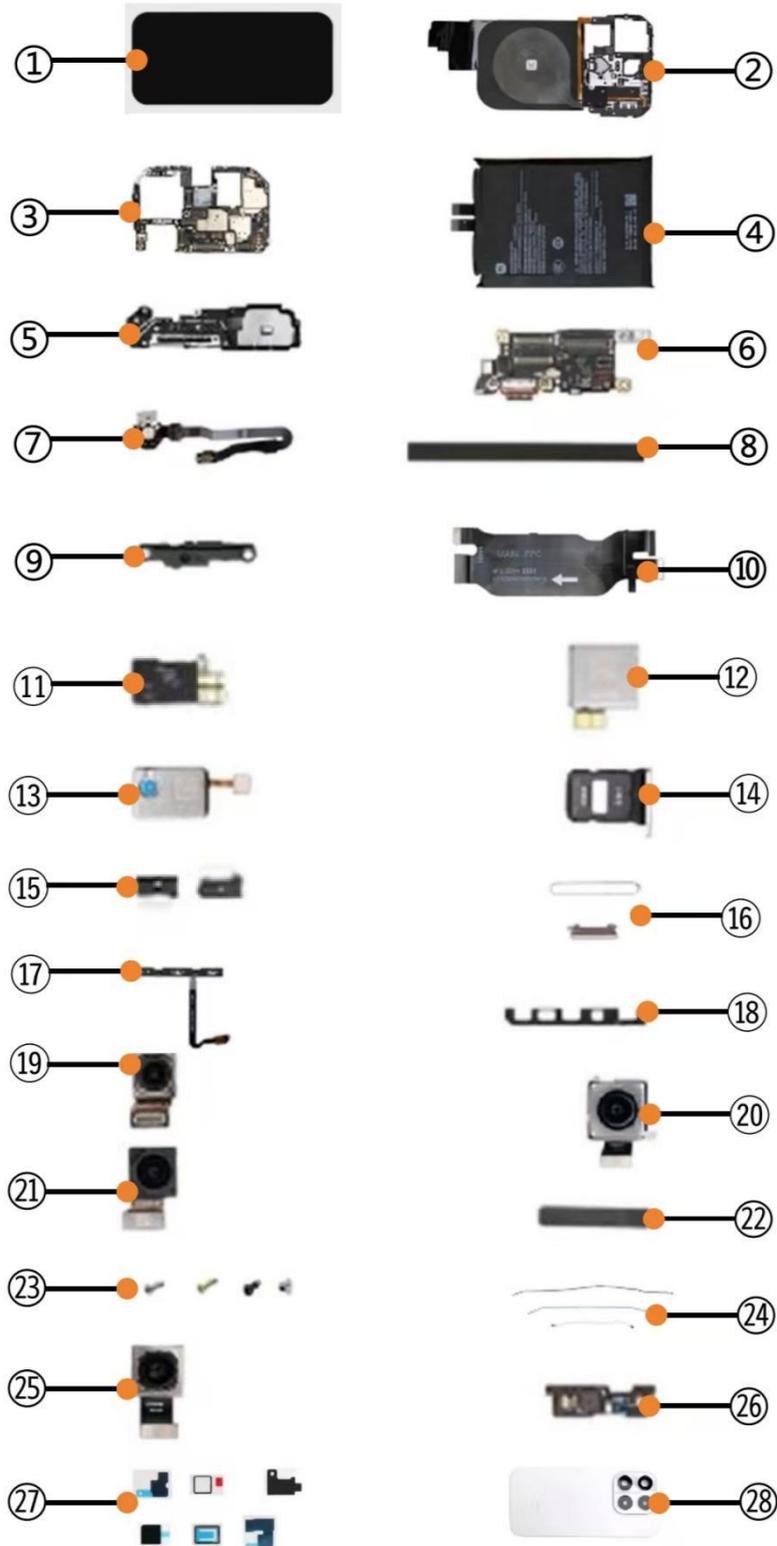
You can check system updates by clicking on the system version number in the phone settings. If the system needs to be upgraded, you can click on the details to view the update log to understand the details of the upgrade and decide whether to update the system version based on your actual situation.

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 (Required for this disassembly and assembly)



List

Serial number	Name
1	Front Cover Display Module
2	Antenna Bracket Assembly
3	Mainboard
4	Battery
5	Speaker Assembly
6	Sub-Board
7	Flashlight FPC
8	Coaxial cable PET
9	Press-fit coaxial socket plastic support
10	Main FPC
11	Light Sensor Board
12	Vibration Motor
13	Receiver
14	SIM Card Tray
15	Volume and Power Button pins
16	Volume and Power Buttons
17	Side Button FPC
18	Side Button FPC bracket
19	Front Camera
20	Wide-angle cameras
21	Telephone Cameras
22	Foam at Battery Compartment Bottom
23	Screws
24	Coaxial cable
25	Ultra-wide-angle cameras
26	Antenna Board

27 vibration adhesive and new graphene foam

28 Battery Cover

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).	 

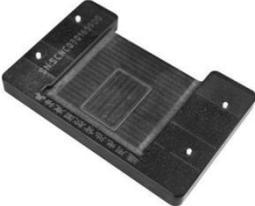
Tool Preparation

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

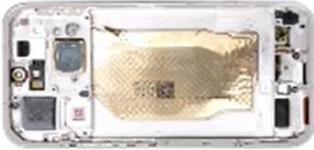
Tool Name	Diagram	Details	Target users
Heating Bag		<p>Used to heat when removing the back cover (necessary tool);</p> <p> Use the tabs as handles when heating to avoid burns.</p>	
Micro-wave Oven		<p>For heating the Heating Bag (necessary tool).</p>	
Adhesive Backing Fixing Tool		<p>Used to position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

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. Removing SIM Card Tray:

Use the SIM card tray ejector pin and insert it into the tray hole. Once the tray pops out, pull the tray out by hand.



Note: Keep it perpendicular when inserting

Use the SIM card tray ejector pin and insert it into the tray hole.
Once the tray pops out, pull the tray out by hand



Note: Keep it perpendicular when inserting

Use the SIM card tray ejector pin and insert it into the tray hole.
Once the tray pops out, pull the tray out by hand

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

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.

(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. Removing Battery Cover Assembly:

Use a disassembly blade to insert it into the gap the battery cover and the middle frame. Carefully go around the edge of the battery cover to remove it.



Note: After disassembly, ensure all adhesive residues are cleaned off the bonding areas; do not insert the blade or pry tool deeper than 3mm into the gap.

Use a disassembly blade to insert it into the gap between the battery cover and the middle frame. Carefully go around the edge of the battery cover to remove it



Note: After disassembly, ensure all adhesive residues are cleaned off the bonding areas; do not insert the blade or pry tool deeper than 3mm into the gap.

Use a disassembly blade to insert it into the gap between the battery cover and the middle frame. Carefully go around the edge of the battery cover to remove it

- 💡 • If the Suction Cup is not used, the device may move during operation, affecting operation.
- 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.
- 📄 • Please make sure the suction cup is firmly fixed to avoid affecting the operation.
- 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.
- ⚠️ **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. Protecting Battery Cover and Camera:

(1) Use an anti-static film to protect the battery cover lens, and apply heat-resistant tape or a protective cover to shield the camera lens.

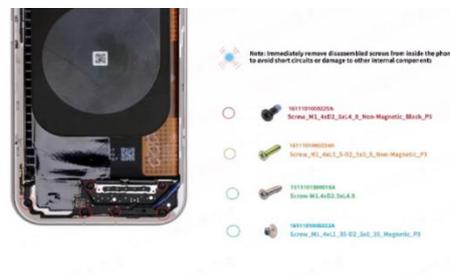


(2) Use an anti-static film to protect the battery cover lens, and apply heat-resistant tape or a protective cover to shield the camera lens.



5. Removing Screws on Rear Case Assembly:

Use a Phillips screwdriver to remove all screws from device.



i 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.

6. Antenna Bracket Assembly:

(1) First, gently separate the graphite from the speaker assembly at the bottom.

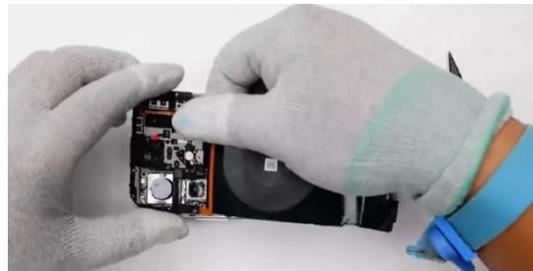


First, gently separate the graphite from the speaker assembly at the bottom

(2) Pinch the graphite sheet lightly and lift the rear case assembly to remove it.



Pinch the graphite sheet lightly and lift the rear case assembly to remove it



Pinch the graphite sheet lightly and lift the rear case assembly to remove it

(3) Use a pry tool to separate the FPC interface.



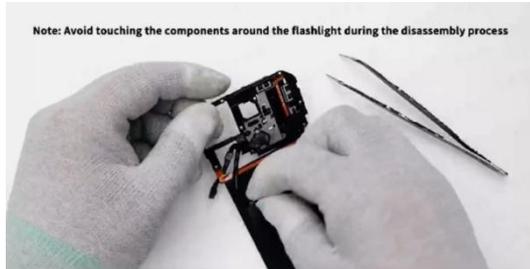
Use a pry tool to separate the FPC interface

7. Separate the flashlight FPC from the antenna bracket assembly:

Use tweezers to lift the flashlight and separate it from the antenna bracket.



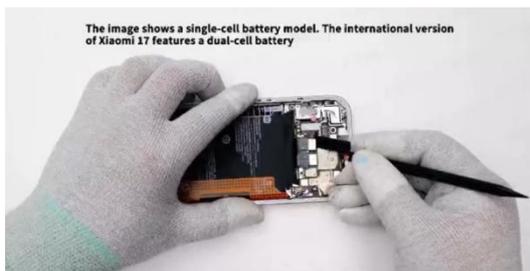
Use tweezers to lift the flashlight and separate it from the antenna bracket



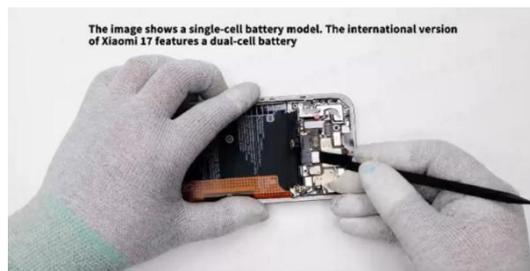
Use tweezers to lift the flashlight and separate it from the antenna bracket

8. Removing Battery Connector Interface:

Use anti-static plastic tweezers or pry tools to sequentially disconnect the #2 and #1 battery connectors.



Use anti-static plastic tweezers or pry tools to sequentially disconnect the #2 and #1 battery connectors



Use anti-static plastic tweezers or pry tools to sequentially disconnect the #2 and #1 battery connectors

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

9. Removing Rear Camera:

(1) Use a pry tool to lift the FPC interface of the wide-angle and ultra-wide-angle cameras, then remove the cameras.



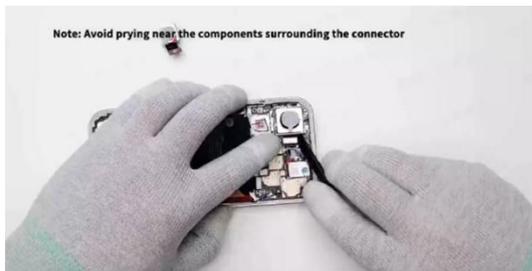
Use a pry tool to lift the FPC interface of the wide-angle and ultra-wide-angle cameras, then remove the cameras



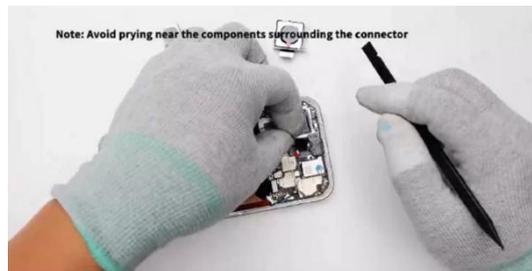
Use a pry tool to lift the FPC interface of the wide-angle and ultra-wide-angle cameras, then remove the cameras

- i • 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 disassembling, you can shake it gently to loosen the installation between the camera and the device to facilitate disassembly.

(2) Use a pry tool to lift the FPC interface of the wide-angle and ultra-wide-angle cameras, then remove the cameras .



Use a pry tool to lift the FPC interface of the wide-angle and ultra-wide-angle cameras, then remove the cameras



Use a pry tool to lift the FPC interface of the wide-angle and ultra-wide-angle cameras, then remove the cameras

- i Please be careful when removing the Camera Assy:
 - 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.

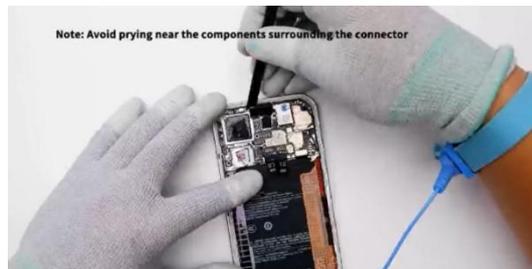
- The camera is usually connected to the motherboard via an FPC cable. You need to disconnect the cable interface before disassembly.
- Use tweezers to gently lift the pressure plate before pulling out the cable. Do not pull the cable directly.
- If the cable is stuck to the motherboard, use a Plastic Pry Bar to gently lift it up to avoid breaking the cable.

10. Removing Front Camera:

(1) First, lift the front camera's graphite, then use the pry tool to lift and remove the FPC interface of the front camera. Protection is needed for the camera.



First, lift the front camera's graphite, then use the pry tool to lift and remove the FPC interface of the front camera. Protection is needed for the camera



First, lift the front camera's graphite, then use the pry tool to lift and remove the FPC interface of the front camera. Protection is needed for the camera

(2) First, lift the front camera's graphite, then use the pry tool to lift and remove the FPC interface of the front camera. Protection is needed for the camera.



First, lift the front camera's graphite, then use the pry tool to lift and remove the FPC interface of the front camera. Protection is needed for the camera

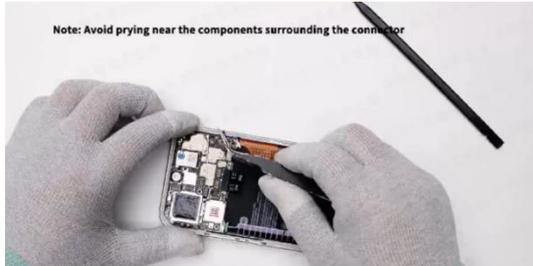


First, lift the front camera's graphite, then use the pry tool to lift and remove the FPC interface of the front camera. Protection is needed for the camera

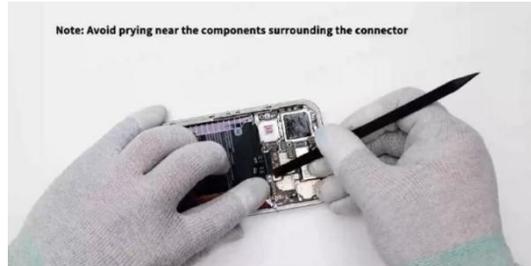
-  Please disconnect the interface in parallel during operation to avoid tilting and pulling, which may cause damage to the interface.
- Do not touch the camera lens directly during operation to avoid scratching the lens.
-  When disassembling, you can shake it gently to loosen the installation between the camera and the device to facilitate disassembly.

11. Removing Mainboard Display FPC, Main FPC Interface, and Coaxial Cable Interface on Mainboard:

Sequentially lift the black and blue coaxial cable interfaces from the mainboard, then lift the display FPC interface and the main FPC interface.



Sequentially lift the black and blue coaxial cable interfaces from the mainboard, then lift the display FPC interface and the main FPC interface

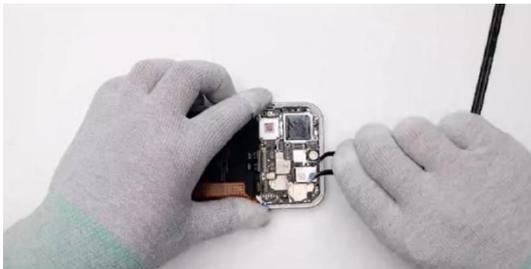


Sequentially lift the black and blue coaxial cable interfaces from the mainboard, then lift the display FPC interface and the main FPC interface

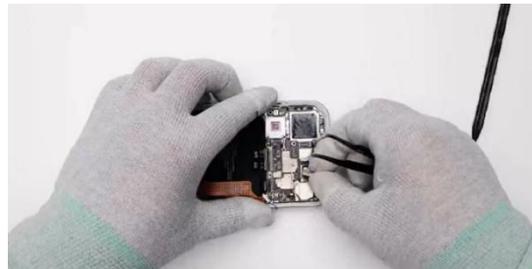
- i** Please disconnect the interface in parallel during operation to avoid tilting and pulling, which may cause damage to the interface.

12. Removing Receiver:

Use the pry tool to lift the receiver interface and tweezers to remove it from the left upper corner of the receiver.



Use the pry tool to lift the receiver interface and tweezers to remove it from the left upper corner of the receiver

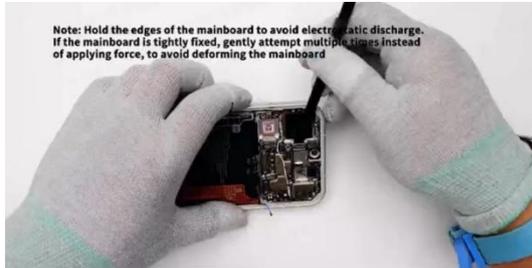


Use the pry tool to lift the receiver interface and tweezers to remove it from the left upper corner of the receiver

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

13. Removing Mainboard Assembly:

Insert a pry tool into the position to the right of the wide-angle camera. Lift upwards to remove it from the bottom of the mainboard.



Insert a pry tool into the position to the right of the wide-angle camera. Lift upwards to remove it from the bottom of the mainboard



Insert a pry tool into the position to the right of the wide-angle camera. Lift upwards to remove it from the bottom of the mainboard

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

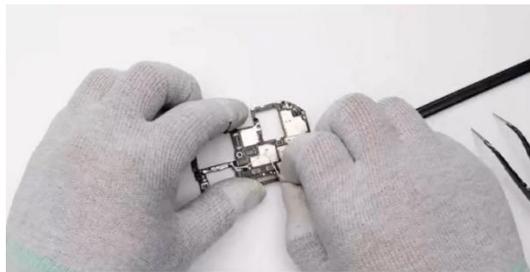
- Do not touch the Mainboard Assy directly with metal tools to avoid scratching the Mainboard Assy and static damage.
- Use moderate force when holding components with tweezers to avoid squeezing small components such as capacitors and resistors.

14. Removing Coaxial Cable from Mainboard:

Use tweezers to lift the coaxial cable interface and gently remove it.



Use tweezers to lift the coaxial cable interface and gently remove it

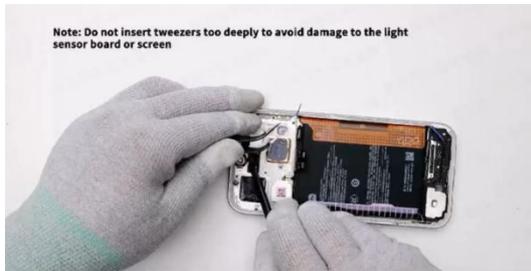


Use tweezers to lift the coaxial cable interface and gently remove it

- i**
- 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.

15. Removing Light Sensor Board:

Use tweezers or a pry tool to remove the light sensor board.



Use tweezers or a pry tool to remove the light sensor board

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

16. Removing Press-Fit Coaxial Socket Plastic Support:

Use tweezers to lift and remove the press-fit coaxial socket plastic support and separate the coaxial cable interface.



Use tweezers to lift and remove the press-fit coaxial socket plastic support and separate the coaxial cable interface



Use tweezers to lift and remove the press-fit coaxial socket plastic support and separate the coaxial cable interface

- 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.

17. Removing Antenna Board:

Use tweezers to remove the antenna board from its disassembly point, then separate the coaxial cable interface.



Use tweezers to remove the antenna board from its disassembly point, then separate the coaxial cable interface



Use tweezers to remove the antenna board from its disassembly point, then separate the coaxial cable interface

18. Removing Speaker Assembly:

Gently lift the speaker assembly by hand and remove it.



Gently lift the speaker assembly by hand and remove it

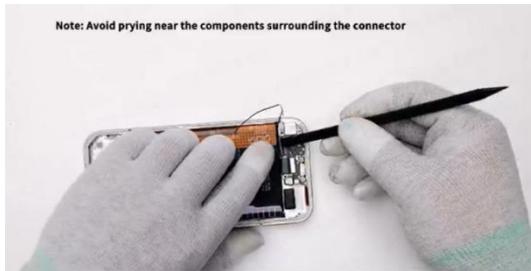


Gently lift the speaker assembly by hand and remove it

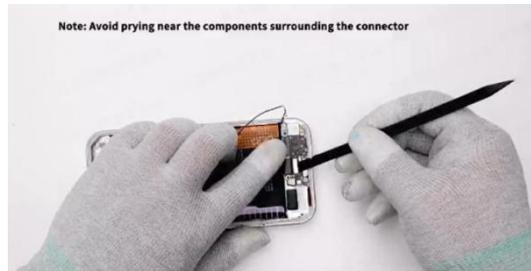
-  • Pay attention to the clips around the Speaker Assy during operation. Make sure the clips are completely separated before proceeding to the next step to avoid damaging the Speaker Assy.
- Use moderate force when holding components with tweezers to avoid squeezing small components such as capacitors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

19. Removing Main FPC Interface on Sub-Board:

(1) Use the pry tool lift the main FPC and two BTB interfaces from the sub-board.

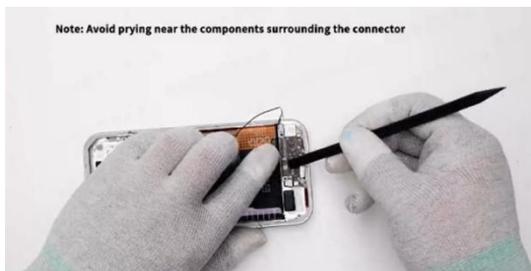


Use the pry tool to lift the main FPC and two BTB interfaces from the sub-board



Use the pry tool to lift the main FPC and two BTB interfaces from the sub-board

(2) Use the pry tool lift the main FPC and two BTB interfaces from the sub-board.



Use the pry tool to lift the main FPC and two BTB interfaces from the sub-board

20. Removing Sub-Board Assembly:

Use the pry tool to remove the sub-board.



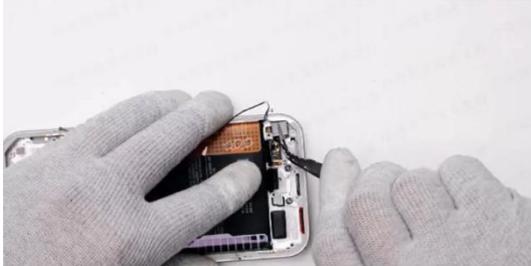
i Carefully lift the Sub-Board Assy with tweezers and remove the Sub-Board Assy, being careful not to damage the PBA board.

- 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.

21. Removing Vibration Motor Assembly:

Use metal tweezers to remove the vibration motor.



Use metal tweezers to remove the vibration motor

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

22. Removing Battery Assembly:

(1) Peel off the easy-tear adhesive from the right side of the battery and heat the phone (screen facing down) at $55 \pm 5^\circ\text{C}$ for 2 minutes.



Peel off the easy-tear adhesive from the right side of the battery and heat the phone (screen facing down) at $55 \pm 5^\circ\text{C}$ for 2 minutes



Peel off the easy-tear adhesive from the right side of the battery and heat the phone (screen facing down) at $55 \pm 5^\circ\text{C}$ for 2 minutes

(2) Pull the two yellow adhesive strips outward until the battery lifts.



Notes
1. Check the battery for any damage before removal. Avoid short circuits during removal to prevent fire or loss. Do not use a pry tool to remove the battery.
2. When removing easy-tear adhesive, use fingers to peel the adhesive from the liquid cooling radiator position to avoid deforming the radiator.

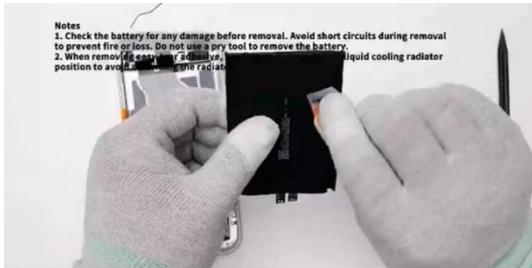
Pull the two yellow adhesive strips outward until the battery lifts



Notes
1. Check the battery for any damage before removal. Avoid short circuits during removal to prevent fire or loss. Do not use a pry tool to remove the battery.
2. When removing easy-tear adhesive, use fingers to peel the adhesive from the liquid cooling radiator position to avoid deforming the radiator.

Disassembly and Assembly

(3) Remove the adhesive from the battery surface, ensuring the surface is free from wrinkles and undamaged.



Remove the adhesive from the battery surface, ensuring the surface is free from wrinkles and undamaged



Remove the adhesive from the battery surface, ensuring the surface is free from wrinkles and undamaged

(4) Remove all adhesive residue from the battery compartment.



Remove all adhesive residue from the battery compartment

 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.

23. Removing Main FPC Assembly and Foam at Battery Compartment

Bottom:

(1) Gently remove the main FPC and take out the two foam pads at the bottom of the battery compartment.



(2) Gently remove the main FPC and take out the two foam pads at the bottom of the battery compartment.



Gently remove the main FPC and take out the two foam pads at the bottom of the battery compartment

💡 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.

24. Removing Coaxial Cable PET:

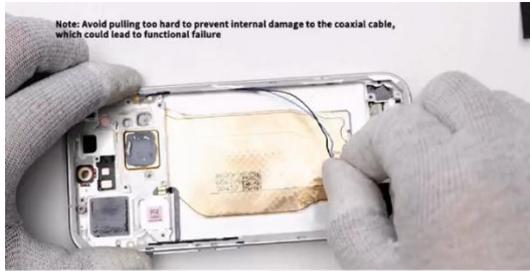
Use tweezers to remove the coaxial cable PET.



Use tweezers to remove the coaxial cable PET

25. Removing Blue and Black Coaxial Cables:

Carefully extract the coaxial the coaxial cable along its routing slot from the sub-board.



Carefully extract the coaxial cable along its routing slot from the sub-board

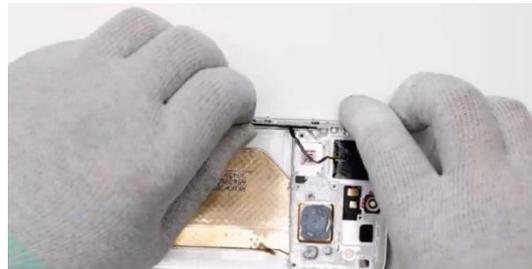
- Do not pull the interface of the Coaxial Cable to avoid breaking the interface of the Coaxial Cable.
- Do not use brute force to pull the cable.

26. Removing Side Button FPC:

(1) Use tweezers to lift the contacts and gently peel off the FPC.



Use tweezers to lift the contacts and gently peel off the FPC



Use tweezers to lift the side button FPC bracket, then remove the side button FPC assembly and separate it from the bracket

(2) Use tweezers to lift the side button FPC bracket, then remove the side button FPC assembly and separate it from the bracket.



Use tweezers to lift the side button FPC bracket, then remove the side button FPC assembly and separate it from the bracket

27. Removing Volume and Power Buttons:

(1) Use tweezers to remove the volume and power button pins.



Use tweezers to remove the volume and power button pins



Use tweezers to remove the volume and power button pins

(2) Push out the power and volume buttons from the inside to remove them.



Push out the power and volume buttons from the inside to remove them



Push out the power and volume buttons from the inside to remove them

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. Installing Vibration Motor:

(1) Place the vibration adhesive in the motor's positioning slot.

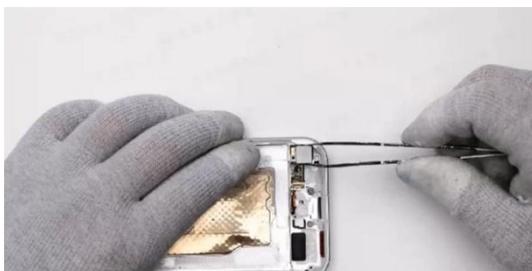


Place the vibration motor adhesive in the motor's positioning slot



Place the vibration motor adhesive in the motor's positioning slot

(2) Place the vibration adhesive in the motor's positioning slot.



Install the motor vertically into the positioning slot on the front case

(3) After installation, press gently on the motor to activate the adhesive, ensuring it is fully adhered to the front case and remains flat without lifting.



After installation, press gently on the motor to activate the adhesive, ensuring it is fully adhered to the front case and remains flat without lifting.

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

2. Installing Sub-Board Assembly:

Align the sub-board with the lower edge of the middle frame and install it at an angle, ensuring it's installed flat without lifting.



Align the sub-board with the lower edge of the middle frame and install it at an angle, ensuring it's installed flat without lifting.

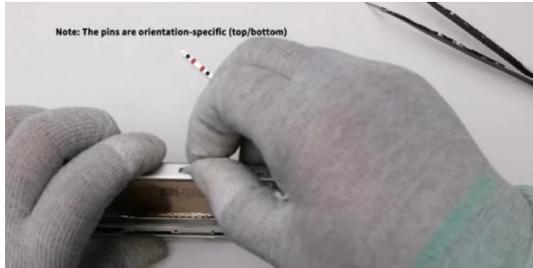


Align the sub-board with the lower edge of the middle frame and install it at an angle, ensuring it's installed flat without lifting.

-  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.

3. Installing Power and Volume Buttons:

(1) Install the power and volume buttons into their positions and fit the pins into the middle frame.

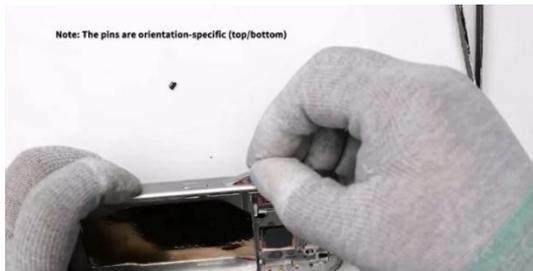


Install the power and volume buttons into their positions and fit the pins into the middle frame

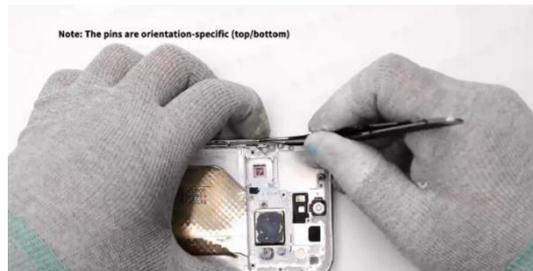


Install the power and volume buttons into their positions and fit the pins into the middle frame

(2) Install the power and volume buttons into their positions and fit the pins into the middle frame.



Install the power and volume buttons into their positions and fit the pins into the middle frame



Install the power and volume buttons into their positions and fit the pins into the middle frame

4. Installing Side Button FPC Assembly:

(1) Combine the side button FPC with the bracket and install it into the middle frame.



Combine the side button FPC with the bracket and install it into the middle frame



Combine the side button FPC with the bracket and install it into the middle frame

Disassembly and Assembly

(2) Combine the side button FPC with the bracket and install it into the middle frame.



Combine the side button FPC with the bracket and install it into the middle frame

5. Installing Auxiliary Materials:

(1) Install new graphene foam for the main camera, receiver adhesive, telephoto camera adhesive, light sensor adhesive to the corresponding locations.



Install new graphene foam for the main camera, receiver adhesive, telephoto camera adhesive. Light sensor adhesive to the corresponding locations



Install new graphene foam for the main camera, receiver adhesive, telephoto camera adhesive. Light sensor adhesive to the corresponding locations

(2) Install new graphene foam for the main camera, receiver adhesive, telephoto camera adhesive, light sensor adhesive to the corresponding locations.



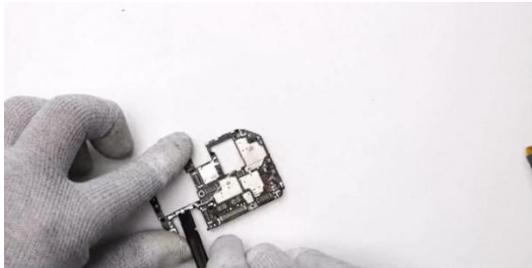
Install new graphene foam for the main camera, receiver adhesive, telephoto camera adhesive. Light sensor adhesive to the corresponding locations



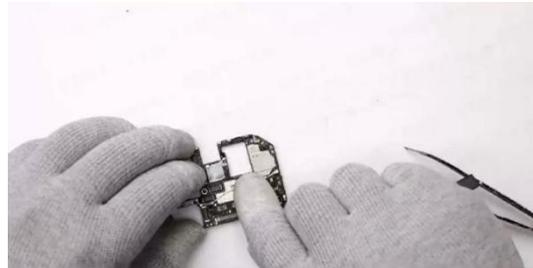
Install new graphene foam for the main camera, receiver adhesive, telephoto camera adhesive. Light sensor adhesive to the corresponding locations

6. Installing Mainboard Coaxial Cable:

Take the white coaxial cable and use the coaxial cable tweezers to secure the interface, routine the cable through the cable slot until it connects to the other side.



Take the white coaxial cable and use the coaxial cable tweezers to secure the interface, routine the cable through the cable slot until it connects to the other side



Take the white coaxial cable and use the coaxial cable tweezers to secure the interface, routine the cable through the cable slot until it connects to the other side

💡 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. Installing Light Sensor Board:

(1) Install the light sensor board into the middle frame and press it gently with your finger.



Install the light sensor board into the middle frame and press it gently with your finger

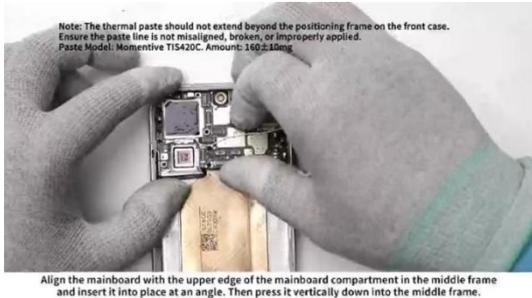
8. Installing Mainboard Assembly:

(1) First, use a dispenser to apply thermal paste on the middle frame.



First, use a dispenser to apply thermal paste on the middle frame

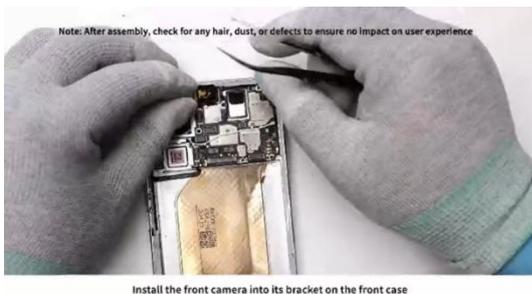
(2) Align the mainboard with the upper edge of mainboard compartment in the middle frame and insert it into place at an angle. Then press it vertically down into the middle frame.



- 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.

9. Installing Front Camera:

(1) Installing Side Button FPC Assembly.



(2) Press it lightly into place with your fingers. Flip the front case over and inspect the front camera for any hair or white spots.



i 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.

10. Installing Wide-Angle and Telephone Cameras:

Install the Wide-angle and telephoto cameras onto the mainboard.



11. Applying Front Camera Thermal Graphite Copper Foil:

Apply the grounding copper foil onto the front camera.



Apply the grounding copper foil onto the front camera



Apply the grounding copper foil onto the front camera

-  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.

12. Installing Ultra-Wide Angle Lens:

Install the ultra-wide-angle camera onto the mainboard



Install the ultra-wide-angle camera onto the mainboard

-  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. Installing Receiver:

(1) Install the receiver vertically into its positioning slot on the front case.



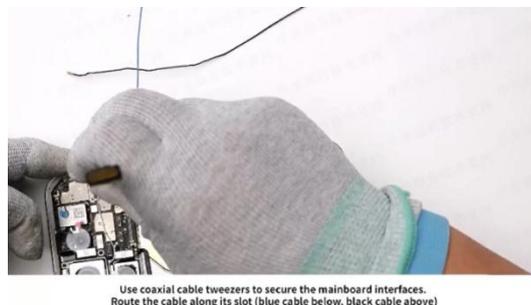
(2) After installation, press gently on the center of the receiver to activate the adhesive, ensuring it is fully adhered to the front case and remains flat without lifting.



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

14. Installing Blue and Black Coaxial Cables to Mainboard:

(1) Use coaxial cable tweezers to secure the mainboard interfaces. Route the cable along its slot (blue cable below, black cable above).



(2) Use coaxial cable tweezers to secure the mainboard interfaces. Route the cable along its slot (blue cable below, black cable above).



Use coaxial cable tweezers to secure the mainboard interfaces.
Route the cable along its slot (blue cable below, black cable above)

-  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.

15. Installing Main FPC Assembly:

Connect both ends of the main FPC to the mainboard and sub-board. Stretch the FPC from both sides and lay it flat over the display module on the front case.



Connect both ends of the main FPC to the mainboard and sub-board. Stretch the FPC from both sides and lay it flat over the display module on the front case



Connect both ends of the main FPC to the mainboard and sub-board. Stretch the FPC from both sides and lay it flat over the display module on the front case

-  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.

16. Installing Speaker Assembly:

First, align the bottom edge to install the speaker assembly into position, then press it down flat.



First, align the bottom edge to install the speaker assembly into position, then press it down flat

-  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.

17. Attaching Blue Coaxial Cable to Sub-Board:

Use coaxial cable tweezers to secure the blue coaxial cable interface on the sub-board. Route the cable along its slot.



Use coaxial cable tweezers to secure the blue coaxial cable interface on the sub-board. Route the cable along its slot

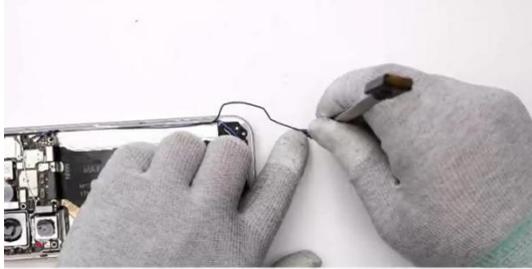


Use coaxial cable tweezers to secure the blue coaxial cable interface on the sub-board. Route the cable along its slot

-  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.

18. Combining Black Coaxial Cable and Antenna Board:

(1) Combine the Black coaxial with the antenna board. Install the antenna board into the middle frame, and route the coaxial cable inside the speaker assembly.

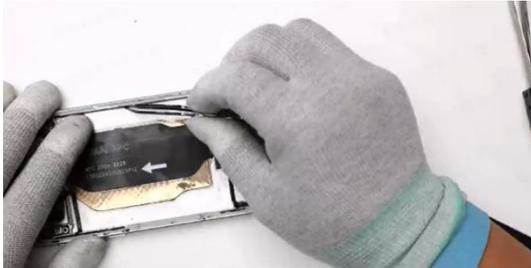


Combine the black coaxial cable with the antenna board. Install the antenna board into the middle frame, and route the coaxial cable inside the speaker assembly



Combine the black coaxial cable with the antenna board. Install the antenna board into the middle frame, and route the coaxial cable inside the speaker assembly

(2) Apply the coaxial PET, and install the press-fit coaxial socket plastic support.



Apply the coaxial cable PET, and install the press-fit coaxial socket plastic support



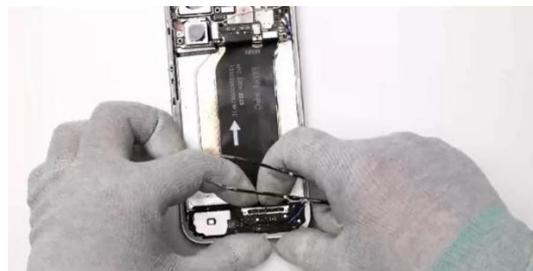
Apply the coaxial cable PET, and install the press-fit coaxial socket plastic support

19. Applying Battery Compartment Bottom Foam:

Take the two foam pads and place them at the bottom of the battery compartment.



Take the two foam pads and place them at the bottom of the battery compartment



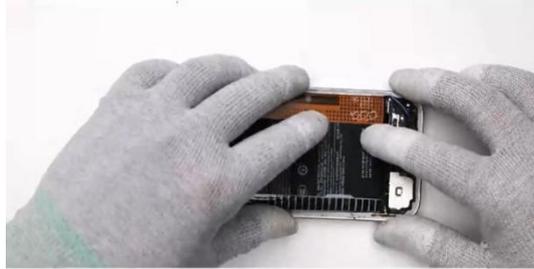
Take the two foam pads and place them at the bottom of the battery compartment

20. Installing Battery Assembly:

(1) Peel off the release paper and install the battery into position and secure the battery BTB connector.



Peel off the release paper and install the battery into position and secure the battery BTB connector



Peel off the release paper and install the battery into position and secure the battery BTB connector

i 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) Peel off the release paper and install the battery into position and secure the battery BTB connector.



Peel off the release paper and install the battery into position and secure the battery BTB connector

21. Assembling Flashlight FPC:

Connect the flashlight FPC to the mainboard BTB interface base.



Assemble the flashlight FPC with the antenna bracket



Assemble the flashlight FPC with the antenna bracket

22. Installing Antenna Bracket Assembly:

Installing the antenna bracket assembly into position from top to bottom.



Install the antenna bracket assembly into position from top to bottom

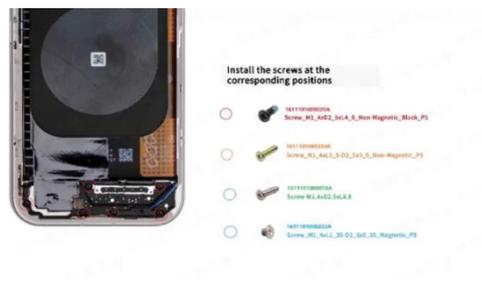


Install the antenna bracket assembly into position from top to bottom

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

23. Installing Screws:

Installing the screws at the corresponding positions.



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

24. Installing Battery Cover Adhesive:

Take the large back cover adhesive. Use the fixture to apply it to the battery cover.



Take the large back cover adhesive. Use the fixture to apply it to the battery cover



Take the large back cover adhesive. Use the fixture to apply it to the battery cover

25. Installing Battery Cover Assembly:

(1) Peel off the easy-tear adhesive from the battery cover.



Peel off the easy-tear adhesive from the battery cover



Peel off the easy-tear adhesive from the battery cover

(2) Remove the lens protection film.



Remove the lens protection film



Remove the lens protection film

Disassembly and Assembly

(3) Before installing the battery cover, apply room-temperature glue as shown in the diagram below .

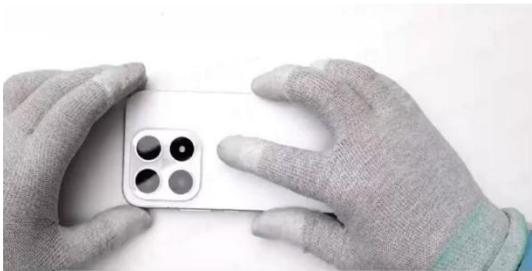


Before installing the battery cover, apply room-temperature glue as shown in the diagram below

Glue Model: SCNE0309K290 - After-Sales Repair Glue - B-342-Y81-W5003

The adhesive dispensing equipment will follow the actual configuration of the international version. If not equipped, it can be ignored

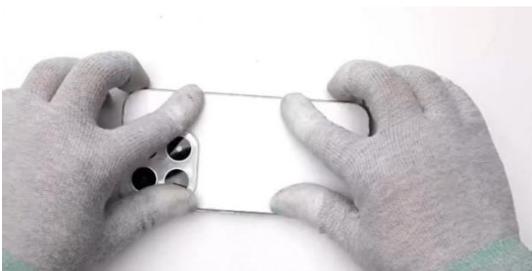
(4) Align one end of the battery cover (with adhesive applied) with the front case assembly. Press and secure the entire battery cover in place.



Align one end of the battery cover (with adhesive applied) with the front case assembly. Press and secure the entire battery cover in place

-  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.

(5) Press down on all four edges of the battery cover by hand to ensure it is properly installed and aligned. Then, place it into the battery cover pressing fixture to secure.



Press down on all four edges of the battery cover by hand to ensure it is properly installed and aligned. Then, place it into the battery cover pressing fixture to secure

26. Installing SIM Card Tray:

Ensure that the SIM card tray with the “SIM1” label facing the screen is inserted vertically into the phone’s SIM card slot.



Ensure that the SIM card tray with the "SIM1" label facing the screen is inserted vertically into the phone's SIM card slot



Ensure that the SIM card tray with the "SIM1" label facing the screen is inserted vertically into the phone's SIM card slot

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

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

Quality Inspection

Please refer to the link for specific inspection methods.

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