

Repair Manual

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Assembly

37	-----	Install the volume key and power key
37	-----	Install the Side key FPC
38	-----	Install the receiver
39	-----	Install the light sensor board
40	-----	Install the mainboard assembly
41	-----	Install the front camera
42	-----	Install the rear main camera,wide-angle camera, and periscope camera
43	-----	Install the motor
44	-----	Install the sub-board assembly
45	-----	Install the fingerprint
46	-----	Install the main FPC
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48	-----	Install the lower speaker assembly
48	-----	Install the coaxial cable
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50	-----	Assemble the flash FPC
50	-----	Install the antenna rear shell assembly
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51	-----	Install the battery cover back glue and Install the battery cover assembly
53	-----	Install the SIM card tray

Calibration and Quality Inspection

54	-----	Calibration
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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 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

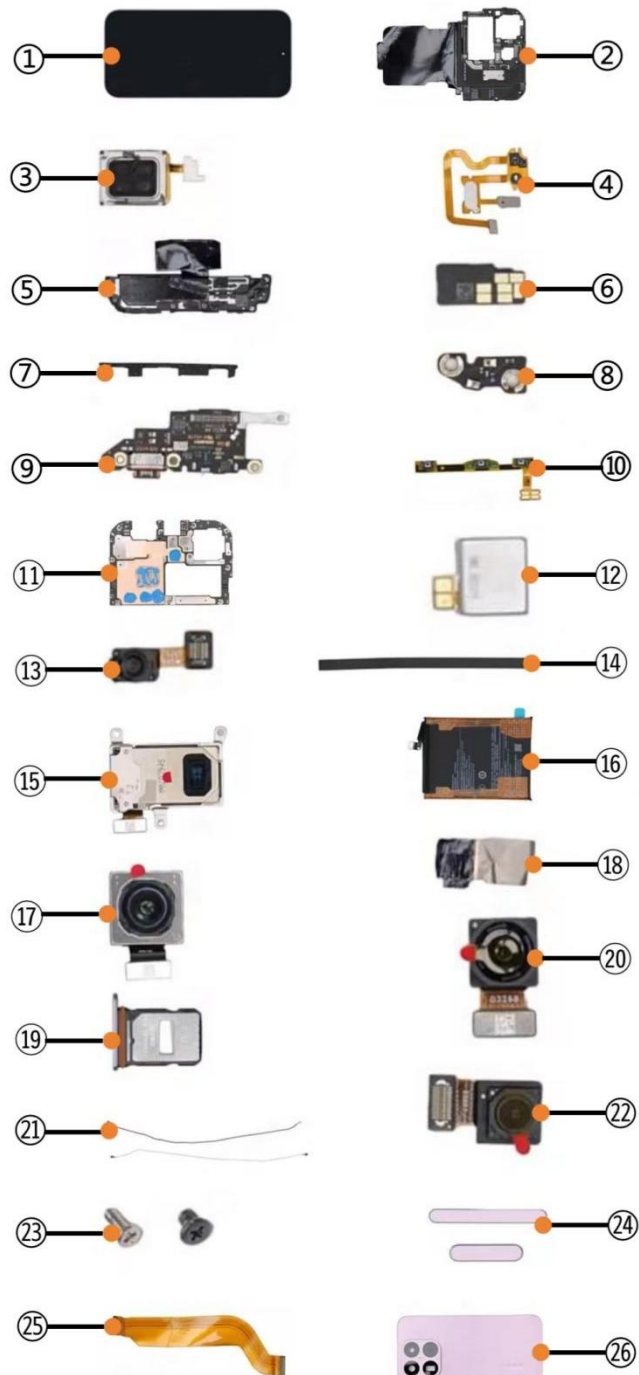
You can check system updates by clicking on the system version number in the phone settings. If the system needs to be upgraded, you can click on the details to view the update log to understand the details of the upgrade and decide whether to update the system version based on your actual situation.

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 back shell
3	Receiver
4	Flash FPC
5	Speaker
6	Light sensor board
7	Side key bracket
8	Antenna board
9	Sub-board
10	Side button FPC
11	Mainboard
12	Motor
13	Fingerprint connector
14	coaxial line Mylar
15	Periscope camera
16	Battery
17	Main camera
18	Graphite copper foil
19	SIM card tray
20	Wide-angle camera connector
21	Coaxial Cable
22	Front camera
23	Screw
24	Button and volume button
25	Main FPC
26	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).	 

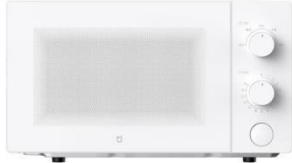
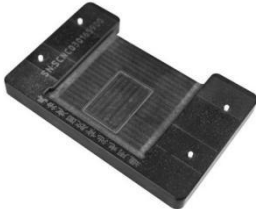
Tool Preparation

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		Used for disassembly and assembly of small parts (necessary tool);  Please do not use metal tweezers to avoid scratching the device and damaging it with static electricity.	 
Plastic Pry Tool		Used to remove the battery cover and other parts (necessary tool);  Other sturdy sheets can be used instead (plastic sheets);  Please do not use metal sheets or blades to avoid damaging the device.	 

Tool Preparation

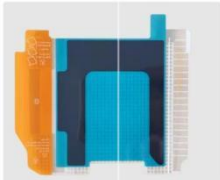
Tool Name	Diagram	Details	Target users
Heating Bag		Used to heat when removing the back cover (necessary tool);  Use the tabs as handles when heating to avoid burns.	
Micro-wave Oven		For heating the Heating Bag (necessary tool).	
Adhesive Backing Fixing Tool		Used to position the adhesive when sticking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

Tool Preparation

Tool Name	Diagram	Details	Target users
Heating Platform		When removing the battery cover, heat the adhesive on the battery cover to make it easier to separate the battery cover from the device.	
Crimping Tool		Used when pressing the battery cover, so that the pressure can be precisely controlled.	
Air Tightness Tester		Used to detect the air tightness of mobile phones;  If the phone is dustproof and waterproof, the air tightness of the phone needs to be tested after assembly.	

Consumables (adhesives and other materials)

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

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

Disassembly



Before disassembly:

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

1. Remove the SIM card tray:

Push the opening pin into the phone with force until the SIM card tray pops out of the phone.

Then remove the SIM card tray.



Push the opening pin into the phone with force



until the SIM card tray pops out of the phone.



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.

Disassembly and Assembly

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



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

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



(5) 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. Disassembly the battery Cover Assembly:

(1) After heating, Use a suction cup to lift the gap. Insert the disassembly slider from the side insert it into the body from the bottom side gap. Use the disassembly slider to and slowly slide it open on all four sides.



After heating,



insert it into the body from the bottom side gap.

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

📌 Please make sure the suction cup is firmly fixed to avoid affecting the operation.

(2) Remove the battery cover. Completely separate the battery cover.



Remove the battery cover.



Disassembly and Assembly

(3) After disassembling, clean the residual glue on the battery cover until the residue is completely removed.



After disassembling, clean the residual glue 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.

⚠️ 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. Protect the Camera:

Take the camera cover or protective film to protect the lens.



Take the camera cover or



or protective film to protect the lens.

5. Remove the screws:

Use a cross screwdriver to remove the antenna rear shell and the lower speaker with a cross screwdriver.



Use a cross screwdriver to remove the antenna rear shell



and the lower speaker with a cross screwdriver.

Note: Remove the removed screws from the phone promptly to avoid causing short circuits or damaging other internal components.

 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. Disassemble the antenna rear shell assembly:

(1) Separate the flash FPC from the front camera.



separate the flash FPC from the front camera.

(2) Lift the graphite sheet. Lift it from the bottom of the antenna back shell.



Lift the graphite sheet.



Lift it from the bottom of the antenna back shell.

(3) Disconnect the flash FPC BTB interface.



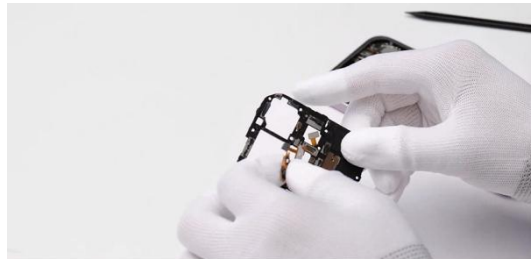
Disconnect the flash FPC BTB interface.

7. Disassemble the Flash FPC:

Disassemble the flash FPC component from the antenna back shell.



Disassemble the flash FPC component from the antenna back shell.



8. Disassemble the battery connector:

(1) Use an anti-static plastic tweezers or a pry bar Disconnect the battery connector.



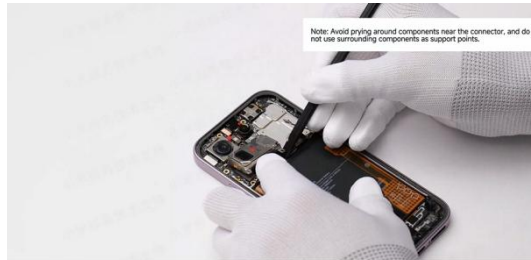
Use an anti-static plastic tweezers or a pry bar

Disassembly and Assembly

(2) Disconnect the FPC connector the main FPC connector and two coaxial cables.

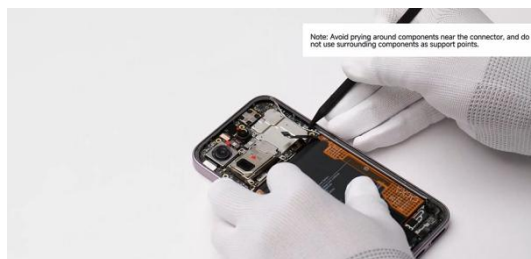


Disconnect the FPC connector.



the main FPC connector and two coaxial cables.

(3) Disconnect the FPC connector the main FPC connector and two coaxial cables.

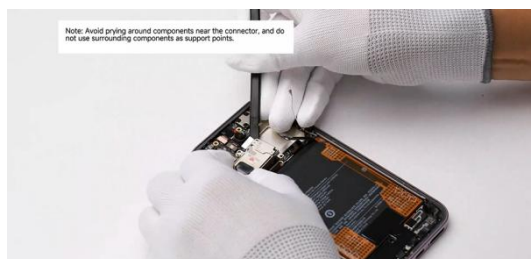


9. Disassemble the rear camera:

(1) Use a pry bar to disconnect the rear main camera, disconnect the wide-angle camera connector and remove it.



Use a pry bar to disconnect the rear main camera,



disconnect the wide-angle camera connector and remove it.

Disassembly and Assembly

(2) Use a pry bar to disconnect the rear main camera, disconnect the wide-angle camera connector and remove it.



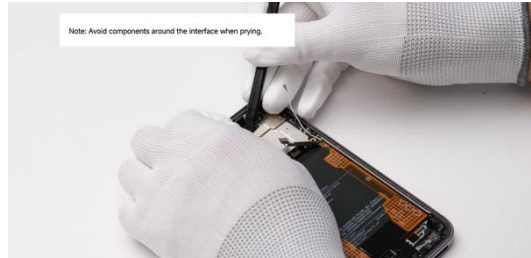
- Please disconnect the interface in parallel during operation to avoid tilting and pulling, which may cause damage to the interface.
 - Do not touch the camera lens directly during operation to avoid scratching the lens.
- When disassembling, you can shake it gently to loosen the installation between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

(1) Use a disassembly stick to separate the front camera and separate it from the motherboard.



Use a disassembly stick to separate the front camera



(2) Protect the front camera with a protective film.



Protect the front camera with a protective film.



- 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. Disassemble the mainboard assembly:

Remove the mainboard from the main camera notch.



Remove the mainboard from the main camera notch.



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



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

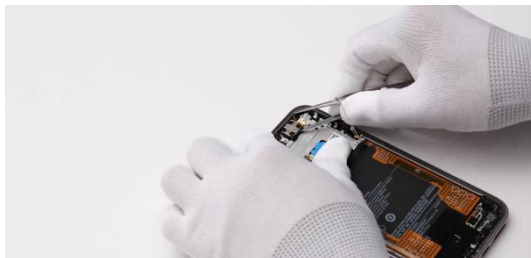
12. Remove the receiver:

(1) Use tweezers to lift the FPC lift the FPC of the receiver from the gold finger.



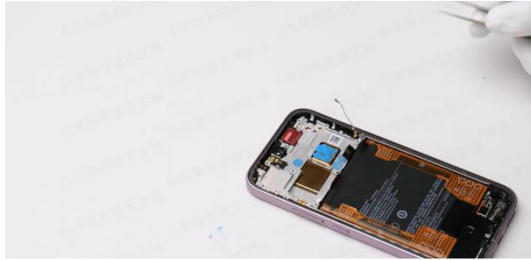
Use tweezers to lift the FPC

(2) Use tweezers to lift the receiver from the bottom and remove it.



Use tweezers to lift the receiver from the bottom and remove it.

(3) Remove the seal double-sided tape of the receiver.



Remove the seal double-sided tape of the receiver.

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

13. Disassemble the light sensor board:

Use tweezers to gently lift the light sensor board. Pick it up from the front shell assembly.



Use tweezers to gently lift the light sensor board.



Pick it up from the front shell assembly.

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

14. Remove the Speaker Assembly:

(1) Use your hand or a pry bar to disassemble from the top.

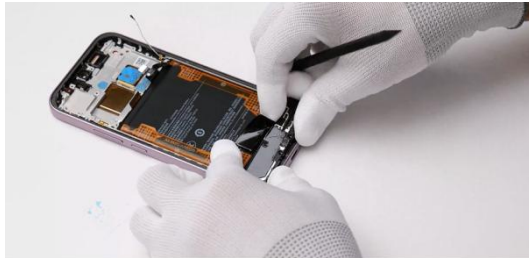


Use your hand or a pry bar to disassemble from the top.

(2) Remove the speaker assembly.

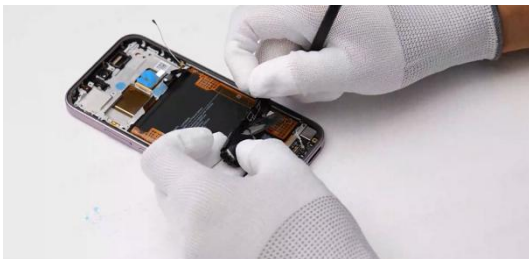


Remove the speaker assembly.

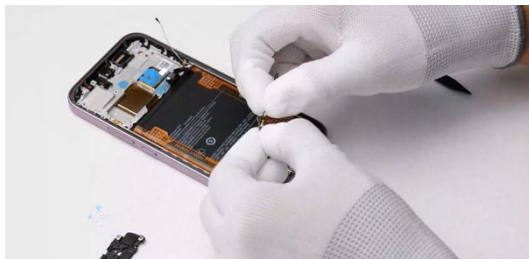


15. Disassemble the antenna board:

Separate the antenna board from the lower speaker.



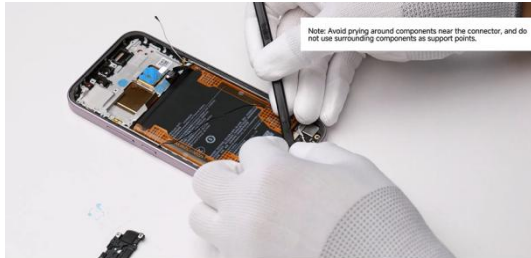
Separate the antenna board from the lower speaker.



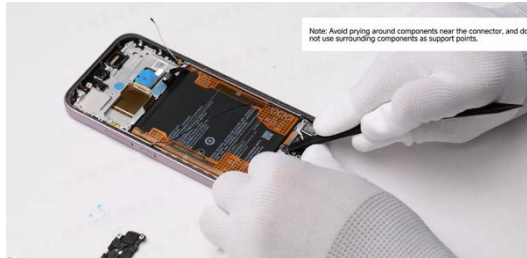
 Please disconnect the interface in parallel during operation to avoid tilting and pulling, which may cause damage to the interface.

16. Disassemble the main FPC connector at the sub-board and Fingerprint connector and coaxial cable:

(1) Disconnect the main FPC connector, fingerprint connector and white RF coaxial cable.

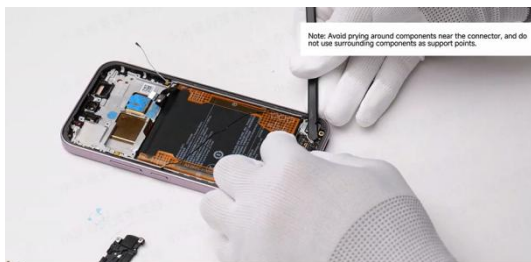


Disconnect the main FPC connector, fingerprint



connector and white RF coaxial cable.

(2) Disconnect the main FPC connector, fingerprint connector and white RF coaxial cable.



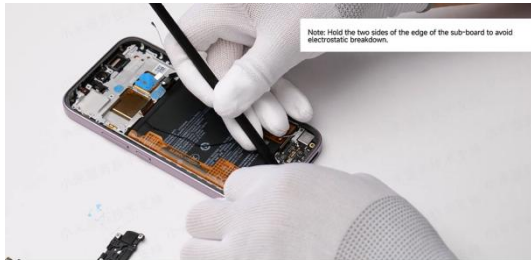
connector and white RF coaxial cable.

 Do not pull the Coaxial Cable interface during operation to avoid damaging the Coaxial 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.

17. Disassemble the sub-board assembly:

Use a pry bar to gently lift and remove the and gently lift and remove the sub-board.



Use a pry bar to gently lift and remove the



and gently lift and remove the sub-board.

-  • 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.

18. Remove the motor:

Use tweezers to lift the motor lift the motor from the removal position and remove it.



Use tweezers to lift the motor



lift the motor from the removal position and remove it.

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

19. Disassemble the battery assembly and the main FPC:

(1) Peel off the battery's easy-tear glue.

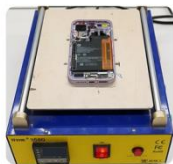


Peel off the battery's easy-tear glue.



(2) Heat the phone screen facing down. Heat for five minutes with a heating temperature of sixty degrees Celsius.

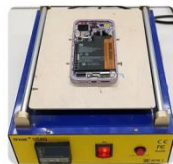
The model shown in the video is a single-cell model, while the international version of Xiaomi 17T is a dual-cell model.



Heat the phone screen face down for 5 minutes at a temperature of 60°C.

Heat the phone screen facing down.

The model shown in the video is a single-cell model, while the international version of Xiaomi 17T is a dual-cell model.



Heat the phone screen face down for 5 minutes at a temperature of 60°C.

with a heating temperature of sixty degrees Celsius.

(3) Use a suction cup or lift the battery handle vertically upward, Slowly and evenly pull out the battery.



Use a suction cup or lift the battery handle



Slowly and evenly pull out the battery.



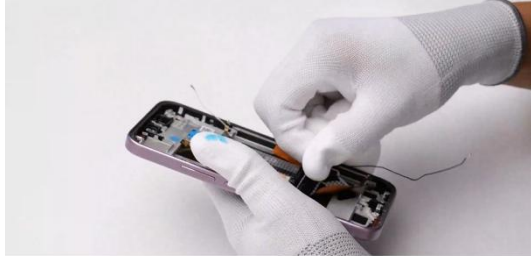
Be careful not to damage the battery.



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.

Disassembly and Assembly

(4) Check the appearance of the battery after removal. Replace it in time if it is damaged or deformed. Slowly tear off the main FPC. Check if the VC heat sink is wrinkle-free and deformed.



Check the appearance of the battery after removal.



Check if the VC heat sink is wrinkle-free and deformed.

(5) Check the appearance of the battery after removal. Replace it in time if it is damaged or deformed. Slowly tear off the main FPC. Check if the VC heat sink is wrinkle-free and deformed.



20. Disassemble the coaxial cable:

(1) Tear off the coaxial cable from the middle frame.



Tear off the coaxial cable from the middle frame.

(2) Remove the black and white coaxial cables.



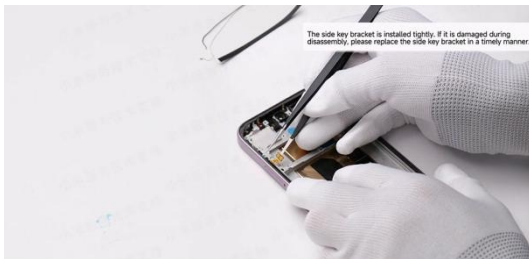
Remove the black and white coaxial cables.

i Do not pull the Coaxial Cable interface during operation to avoid damaging the Coaxial 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.

21. Disassemble the side key FPC:

(1) Gently lift the gold fingers of the side key FPC from the removal position.



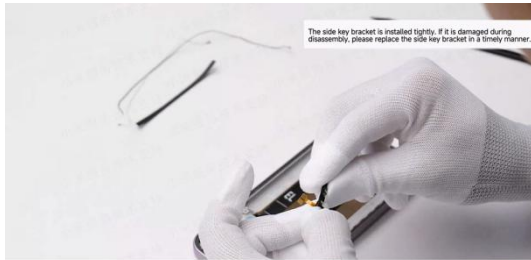
Gently lift the gold fingers of the side key FPC from the removal position.

(2) Use tweezers to lift the side key bracket from from the middle frame and remove it.



Use tweezers to lift the side key bracket from

(3) Separate the side button FPC from the side button bracket.



Separate the side key FPC from the side key bracket.



22. Disassemble the power button and volume button:

Use tweezers to push out the power and volume keys.



Use tweezers to push out the power and volume keys.



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

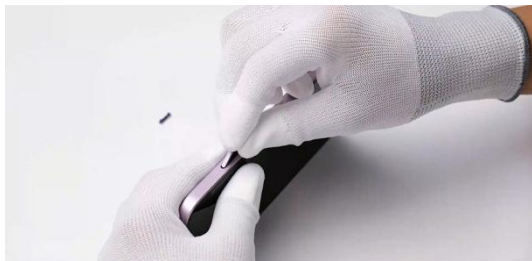
Assembly

 Before reassembly, please confirm the following:

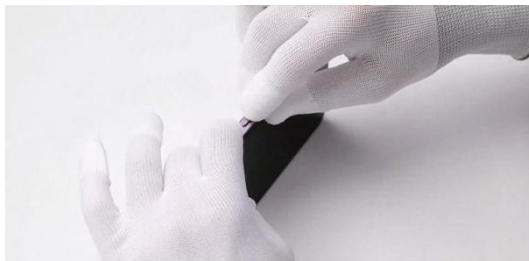
- Thoroughly remove any residual adhesive.
- Prepare the screws and new adhesive required for the device.
- Wear an anti-static wrist strap and connect it to a grounded ESD safe mat.
- Do not leave any unassembled screws inside the device. Leaving screws inside the device may damage internal components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

1. Install the volume key and power key:

Insert the volume and power buttons into the key slots.

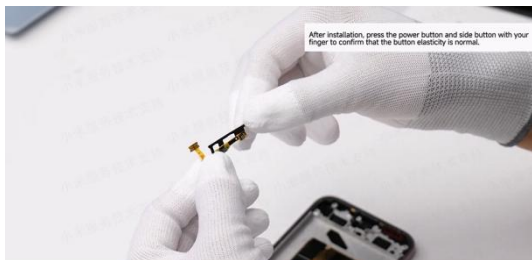


Insert the volume and power buttons into the key slots.



2. Install the Side key FPC:

(1) Insert the side key FPC assembly into the key slot of the side key bracket. and then install it in the side key position on the middle frame, and press it in place.



Insert the side key FPC assembly into the key slot of the side key bracket.



Insert the side key FPC assembly into the key slot of the side key bracket.

Disassembly and Assembly

(2) Insert the side key FPC assembly into the key slot of the side key bracket, and then install it in the side key position on the middle frame, and press it in place.



and then install it in the side key position on the middle frame,

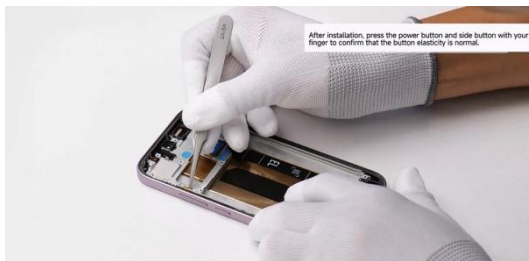


and press it in place.

(3) Then insert the side key FPC gold fingers into the corresponding position of the middle frame.



Then insert the side key FPC gold fingers



into the corresponding position of the middle frame.

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

3. Install the receiver:

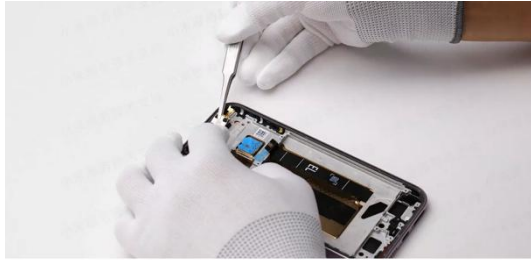
(1) Apply the back glue to the receiver.



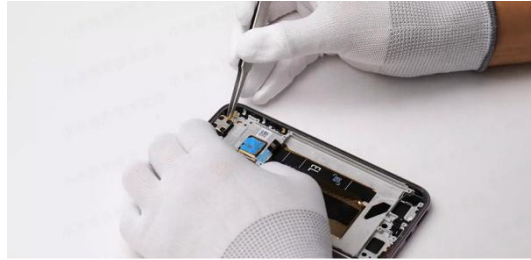
Apply the back glue to the receiver.



(2) Install the receiver gently press to activate the adhesive.

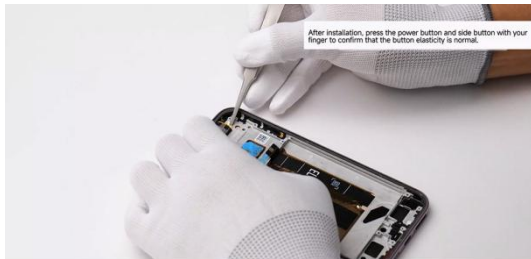


Install the receiver.



gently press to activate the adhesive.

(3) Organize and paste the receiver FPC into the frame's limit slot. Make sure it's flat and not warped.



Organize and paste the receiver FPC into the frame's limit slot.

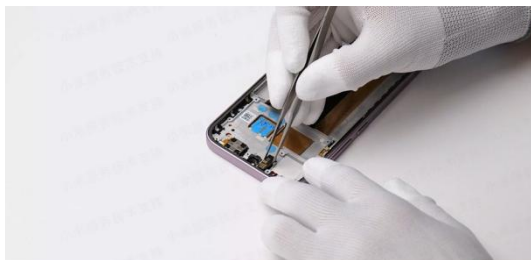


Make sure it's flat and not warped.

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

4. Install the light sensor board:

(1) Use tweezers to pick up the light sensor board.



Use tweezers to pick up the light sensor board.

(2) Place the light sensor board on the corresponding limit.



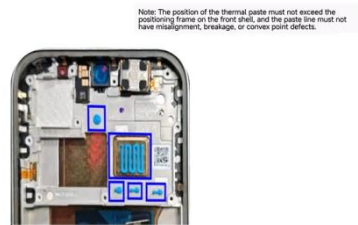
Place the light sensor board on the corresponding limit.

5. Install the mainboard assembly:

(1) First, use a dispensing gun to apply thermal grease to the frame as shown in the figure.

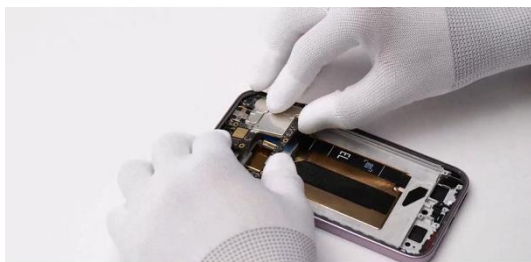


First, use a dispensing gun to apply thermal grease to the frame.

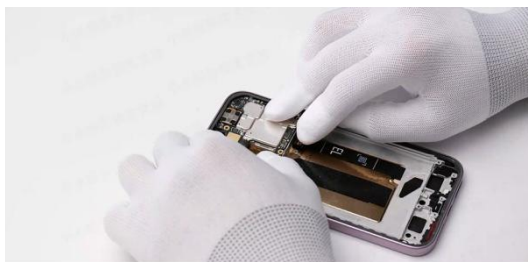


as shown in the figure.

(2) Insert the mainboard into the main board compartment. Then assemble it vertically downward to the frame.



Insert the mainboard into the main board compartment.



Then assemble it vertically downward to the frame.

(3) Make sure it's flat, without warping or damage.



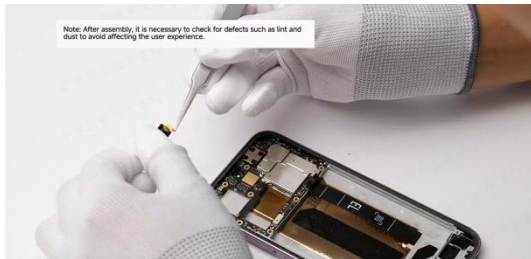
Make sure it's flat, without warping or damage.

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

6. Install the front camera:

(1) Take the front camera. Remove the dust cover.

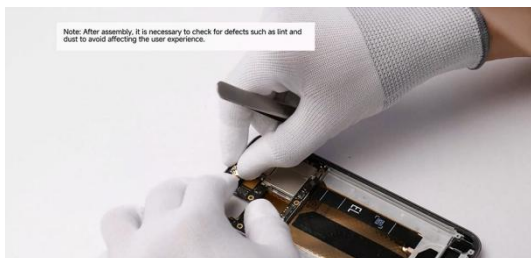


Take the front camera.



Remove the dust cover.

(2) Put the front camera into the front camera bracket. Press the front camera gently with your fingertip.



Put the front camera into the front camera bracket.



Press the front camera gently with your fingertip.

(3) After confirming no defects, fasten the connector interface. ensuring the interface is fastened smoothly.



After confirming no defects, fasten the connector interface.

(4) Apply graphite copper foil to the front camera.



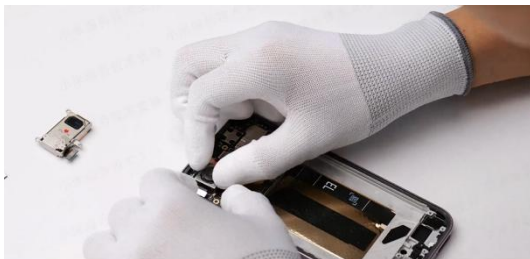
Apply graphite copper foil to the front camera.

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

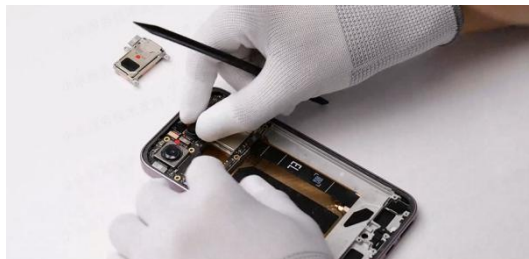
 You can press the wiring harness interface with your fingers. If you can clearly feel a "click" sound, it means the interface is connected in place.

7. Install the rear main camera, wide-angle camera, and periscope camera:

(1) Install the rear main camera, periscope camera and wide-angle cameras to the corresponding positions.

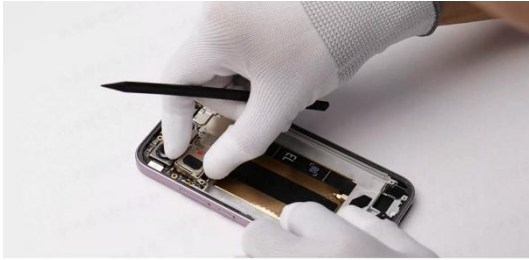


Install the rear main camera, periscope camera and



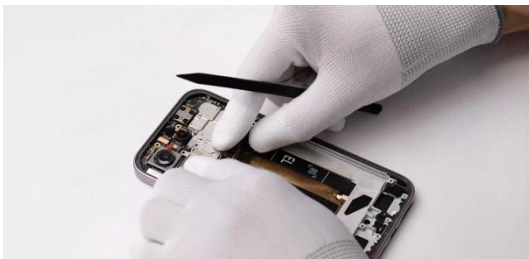
and wide-angle cameras to the corresponding positions.

(2) Fasten the connector interface.



Fasten the connector interface.

(3) Make sure the interface is fastened in place smooth and without warping.



Make sure the interface is fastened in place



smooth and without warping.



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.

8. Install the motor:

(1) Apply motor adhesive.

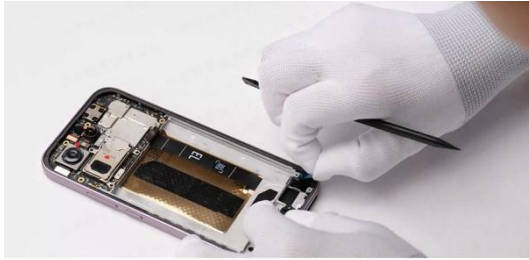


Apply motor adhesive.

(2) Tear off the release paper.



Tear off the release paper.



(3) Use tweezers to pick up the vibrator. Assemble it vertically into the limit slot of the frame. Press gently to activate the adhesive.



Use tweezers to pick up the vibrator.



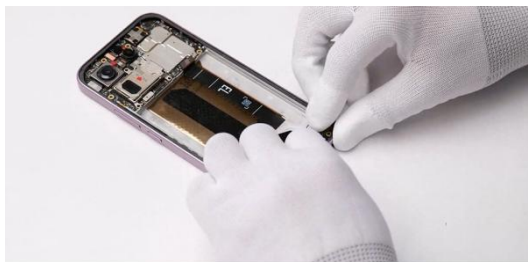
Assemble it vertically into the limit slot of the frame.

9. Install the sub-board assembly:

(1) Along the lower edge of the frame, Assemble the sub-board to the middle frame at an angle.



along the lower edge of the frame,



Assemble the sub-board to the middle frame at an angle.

(2) Make sure the sub-board is installed flat and without warping.



Make sure the sub-board is installed flat and without warping.

- 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.

10. Install the fingerprint:

Install the fingerprint module and snap it to the sub-board.



Install the fingerprint module and snap it to the sub-board.

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

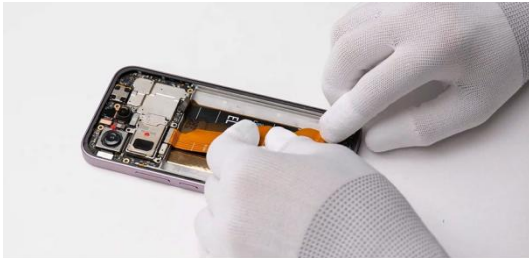
11. Install the main FPC:

(1) Fasten the main FPC interface of the main and sub boards.



Fasten the main FPC interface of the main and sub boards.

(2) Align the main FPC in place.



Align the main FPC in place.

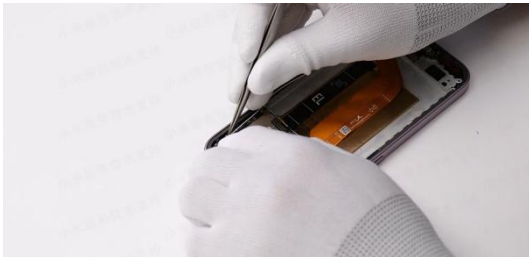


 Please ensure that the Main FPC Assy fits flatly with the device to avoid damage to the Main FPC Assy caused by squeezing other accessories during subsequent assembly.

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

12. Assemble the white coaxial cable:

Assemble the white coaxial cable to the main and sub-board ends.



Assemble the white coaxial cable to the main and sub-board ends.



13. Assemble the antenna board:

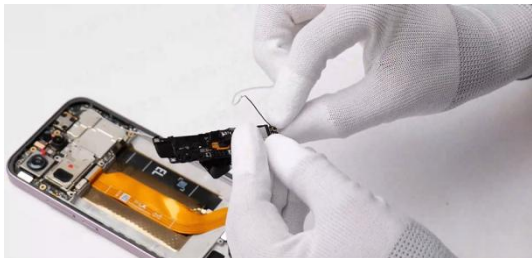
(1) Couple the coaxial cable to the antenna board.



Couple the coaxial cable to the antenna board.



(2) Then assemble the antenna small board to the lower speaker's corresponding position.



Then assemble the antenna small board to



the lower speaker's corresponding position.

(3) Insert the black coaxial cable into the speaker slot.



Insert the black coaxial cable into the speaker slot.



14. Install the lower speaker assembly:

Assemble the lower speaker into the corresponding position.



Assemble the lower speaker into the corresponding position.



15. Install the coaxial cable:

(1) Fasten the black coaxial cable to the main board end.

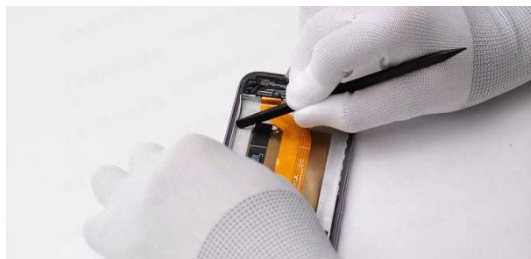


Fasten the black coaxial cable to the main board end.

(2) Then, insert the black and white coaxial cables into the slot and add the coaxial line Mylar.



Then, insert the black and white coaxial cables into the slot.



Then, insert the black and white coaxial cables into the slot.

(3) Then, insert the black and white coaxial cables into the slot and add the coaxial line Mylar.



and add the coaxial line Mylar.

-  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.

16. Install the battery:

(1) Peel off the battery's one-side adhesive release paper.



Peel off the battery's one-side adhesive release paper.



Peel off the battery's one-side adhesive release paper.

(2) Assemble the battery into the middle frame battery compartment.



Assemble the battery into the middle frame battery compartment.

(3) Use your fingertip to engage the screen FPC connector.



Use your fingertip to engage the screen FPC 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.

17. Assemble the flash FPC:

Assemble the flash FPC to the antenna back shell assembly.



Assemble the flash FPC to the antenna back shell assembly.



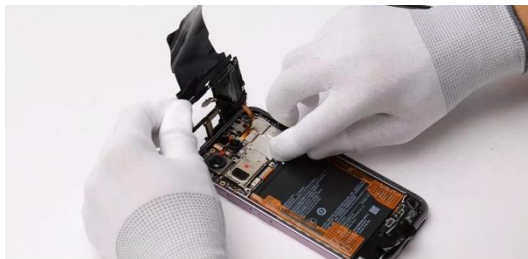
Assemble the flash FPC to the antenna back shell assembly.

18. Install the antenna rear shell assembly:

(1) Fasten the flash FPC connector and the battery connector.



Fasten the flash FPC connector.



and the battery connector.

(2) Align the antenna back shell assembly along to the top of the frame and to the frame and stick the flash FPC to the periscope camera.



Align the antenna back shell assembly along



and stick the flash FPC to the periscope camera.

19. Install the screws:

Use a screwdriver to install the screws.



Note: Screws of different models are distinguished by color

Use a screwdriver to install the screws.

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

20. Install the battery cover back glue and Install the battery cover

assembly:

(1) Peel off the back glue of the battery cover.



Peel off the back glue of the battery cover.

Disassembly and Assembly

(2) Remove the rear camera's protective film.



Remove the rear camera's protective film.

(3) Align the end of the battery cover with align one end of the battery cover with the front case.



Align the end of the battery cover with



align one end of the battery cover with the front case.

(4) Then fasten and press the entire battery cover separately and press the four sides of the battery cover in order. Make sure the battery cover is installed properly.



Then fasten and press the entire battery cover separately.



Make sure the battery cover is installed properly.

(5) Insert the battery cover and press it. Press it jig.



Insert the battery cover and press it.

-  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.

21. Install the SIM card tray:

Insert the SIM card tray directly into the phone's SIM card tray.



Insert the SIM card tray directly into the phone's SIM card tray.



-  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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