



Nothing Phone (4a) Repair Guide

2026-2-11

Contents

1. Introduction
2. Important statements
3. Battery Safety
4. Broken Glass Safety
5. Disassembly
6. Assembly
7. Tools list

1.Introduction

The repair guide is intended for individuals with knowledge and experience in repairing electronic devices. If you are familiar with repairing complex electronic devices, we can provide you with Nothing's original parts, tools, and repair guide to facilitate your own out-of-warranty repairs. Please follow the steps below to perform various out-of-warranty repairs on Nothing devices.

1)Instructional Icons

Failure to follow alerts could result in fire, injury, data loss, or damage to the device, parts, or other property.



Warning

situations that could cause injury to yourself or others.



Caution

Situations that could cause damage to your device or other equipment. Instructions for reducing the risk of data loss or device hardware damage.



Notice

supplemental information for successfully completing procedures, includes notes, usage tips, or additional information, not a Warning or a Caution.

2)Warranty information

Damage caused by repairs performed outside of Nothing's authorized service provider network is not covered under Nothing's product warranty. Such damage may result in out-of-warranty fees for future repairs or render the device ineligible for repairs by Nothing's authorized service providers in the future.

2.Important statements

Precautions for Repair

It is recommended to contact after-sales service for fault diagnosis. After confirming a hardware fault, proceed with the repair. Before repairing the phone, please ensure that the device's software is up to date and that a backup of the device has been made.

Ensure that screen protectors, cases, etc., do not cause interference. Disconnect all cables and power off the phone.

Please read the entire guide thoroughly before starting any repairs. If you are not confident in your ability to follow the instructions as outlined, do not proceed.

This guide contains technical instructions for repairing the Nothing Phone and is intended for experienced technicians with the necessary knowledge, skills, and tools to repair electronic devices.



Warning

Failure to adhere to the repair instructions or to use genuine Nothing parts and appropriate tools may result in fire or other safety hazards, potentially leading to personal injury or death.



Caution

Ignoring the repair instructions or failing to use authentic Nothing spare parts and proper tools could damage the Nothing Phone, related components, or other property, and may also compromise the device's functionality.



Notice

Any damage that occurs due to repairs performed outside of Nothing or its Authorized Service Provider network is not covered by Nothing's product warranty or Nothing Care plans. Such damages may lead to additional out-of-warranty repair costs or make the device ineligible for future repairs by Nothing or its Authorized Service Providers.

2.Important statements

ESD (Electrostatic Discharge) Precautions

ESD occurs when a sudden flow of electricity happens between two electrically charged objects due to contact, an electrical short, or dielectric breakdown. This can negatively affect mobile devices, particularly their electrical components.



- To prevent ESD damage, it is advisable to use ESD safety equipment such as an anti-static wrist strap, gloves, and an ESD-safe mat when repairing devices.
- Enhancing airflow in the work area can reduce the likelihood of accidental static electricity discharges, especially since low-humidity environments like air-conditioned rooms can increase the potential for such discharges.

3. Battery Safety



Warning

A Nothing device contains a built-in lithium-ion rechargeable battery. Battery safety is the number one concern when repairing such devices.

Only technicians with the proper knowledge, experience, and tools required for electronic device repair should replace a battery. It's essential to install new batteries. Previously removed batteries should not be reused, as used battery cells can be damaged during the removal process.

Improper battery replacement, mishandling of parts, or failure to adhere to the provided instructions could lead to battery overheating, swelling, venting, leaking, or a thermal event. These incidents could result in fire, injury, death, data loss, or damage to the device, parts, or other property.

To avoid these potentially harmful events, follow battery safety guidelines and work in a safety-focused workspace with the appropriate tools. It is important to be prepared for all possible outcomes.

3. Battery Safety

Precautions for Battery Handling During Repairs

- Before beginning any repairs, ensure the battery is fully discharged to 0% and the device is powered off. A fully discharged battery is less likely to cause thermal events.
- If you can't determine the battery level, don't repair the device.
- Do not reuse batteries that have been removed, always replace them with new ones.
- Avoid exposing the battery to excessive heat, direct sunlight, or temperatures outside the battery's operating range.
- Maintain a clean workspace, free of foreign objects and sharp materials.
- To prevent the release of toxic fumes or battery overheating, do not puncture, strike, or compress lithium-ion batteries or devices containing them.
- Exercise caution when using sharp tools near the battery.
- Ensure that loose screws, extra screws, or small components are not left inside the device.
- Do not place devices with batteries inside a microwave to heat them.
- Do not throw or drop the battery.
- Dispose of used batteries in accordance with local laws and regulations.

How to Set Up a Battery Safety Work Area

Tools needed:

- Clean, dry, untreated sand
- A sand container/A Fire extinguisher for lithium batteries
- Protective gloves
- Safety goggles
- Long - handled clip

Confirm that the surrounding environment is safe and there are no flammable or combustible items.

3. Battery Safety

How to Manage a Battery Thermal Event



Warning

A battery thermal event transpires when a fast chemical reaction occurs within the battery cells, causing the rapid release of stored energy, resulting in venting and fire. This phenomenon can be triggered by physical damage, improper replacement or repair, or extreme temperatures.

Immediately act if you notice any of the following battery thermal event indicators:

- Smoke, sparks, or soot coming from a lithium-ion battery or a device containing one.
- Sudden swelling of a battery pack.
- Hissing or popping noises from a lithium-ion battery or a device containing one.

Quickly cover the battery or device with a large quantity of clean, dry sand. Dump the sand all at once, as rapid intervention is crucial to control the reaction.

For additional help, promptly contact your local fire department.

After containing the reaction, evacuate the room for 60 minutes. Ensure the area is ventilated and do not return until the smoke has cleared.

Wait 60 minutes before handling the device. Wear protective gloves and safety goggles, then carefully remove the device from the sand.

Dispose of the damaged battery or device according to local environmental regulations and guidelines.

4. Broken Glass Safety



Warning

The display and some back covers of Nothing phones are made of glass. The glass may break if a Nothing phone is dropped on a hard surface, subjected to a significant impact, or crushed, bent, or deformed. Do not attempt to remove shattered or broken glass fragments without protection.

For all cases of broken glass:

1. Wear safety goggles and gloves.
2. Take a small piece of Acrylic Protective Tape.(Acrylic Protective Tape for Broken Back Cover&Screen)



3. To prevent injury and debris from broken glass, apply the Acrylic Protective Tape.
4. Press down firmly on the Acrylic Protective Tape to ensure it adheres securely to the glass.Wait for at least 5 minutes to allow the acrylic protective cover to bond tightly with the glass.



Warning

If your device's glass is cracked, be careful not to let the shards injure your hands or any other part of your body.

5. Disassembly

Before starting the repair, make sure to follow these steps

- Back up your personal data.
- Fully discharge the battery.
- Turn off the device.
- Clear and clean your repair workspace.
- Put on an ESD wrist strap and connect it to a properly grounded ESD mat



Warning

Loose screws, extra screws, or small parts inside the device can damage the battery and create safety issues. Please set aside all parts and screws removed during repairs and ensure you have accounted for them before finishing the work.

5. Disassembly - Back cover



Warning

Read Broken Glass Safety and Battery Safety and follow workspace and battery handling guidelines before you begin.

Step 1: Heat the heating bag (70°C ~75°C) and stick it on the bottom edge of the back cover for 3 minutes, stick it on the left edge of the back cover for 3 minutes, stick it on the right edge of the back cover for 3 minutes



Warning

Do not heat the device in a microwave. Doing so could cause an explosion.



Heating bag



5. Disassembly - Back cover

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The insulated heating bag that can be heated in a microwave and used to transfer heat to the adhesive around the edges of a mobile Phone.

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How to Heat and Use the heating bag

- Before operation, we recommend you empty the microwave, as any unpleasant food residues at the bottom may eventually stick to the heating bag.
- Place the heating bag in the center of the microwave.
- For rotating microwaves: ensure the plate can rotate freely. If the turntable gets stuck, the heating bag might overheat and burn.



Warning

Do not heat the device in a microwave. Doing so could cause an explosion.

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5. Disassembly - Back cover

- Heat the heating bag for thirty seconds.
- During the entire repair process, if the heating bag cools down, reheat it in the microwave for an additional thirty seconds each time.



Warning

Be careful not to overheat the heating bag during the repair process, as overheating may cause the heating bag to explode. Do not attempt to heat it above 100 degrees Celsius.



Warning

If the heating bag becomes excessively inflated from overheating, do not touch the heating bag.



Warning

If the middle part of the heating bag is still too hot to touch, wait for it to cool down before using it again. A properly heated heating bag should retain heat for ten minutes.

5. Disassembly - Back cover

- Remove the heating bag from the microwave, holding one of the flat edges on either side to avoid touching the hot center portion.



Warning

The heating bag will be very hot, so be extremely careful when handling it. Use oven mitts if necessary.



5. Disassembly - Back cover

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If you don't have a microwave, please follow these steps to heat the heating bag in boiling water.

- 1. Fill a pot or pan with enough water to fully submerge the heating bag.
- 2. Heat the water until it boils. Turn off the heat.
- 3. Place the heating bag in the hot water for 2-3 minutes. Ensure that the heating bag is completely submerged.
- 4. Use tongs to extract the heated bag from the hot water.
- 5. Thoroughly dry the heating bag with a towel.
- 6. The heating bag will be very hot, so handle it carefully by its edges.
- 7. Your heating bag is ready to use! If you need to reheat the heating bag, heat the water to a boil, turn off the heat, and place the heating bag in the water for 2-3 minutes.



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5. Disassembly - Back cover

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Step 2: Place the suction cup in the middle position near the bottom edge of the back cover. Hold the phone firmly with your left hand and gently lift the suction cup upward with your right hand. Slowly pull until a small gap forms between the bottom of the back cover and the frame. Then lift up the back cover slowly and remove it gently

Warning

For separable handle suction cups, be careful not to injure yourself as the handle can be parted during use. If the glass breaks during the disassembly process, please read Broken Glass Safety. be careful not to let the shards injure your hands or any other part of your body.

Caution

As the back cover can be damaged by excessive force, be careful not to damage the back cover.

Notice

If you have trouble creating a gap, reheat the heating bag additionally, and apply it on the back cover to further soften the adhesive.



5. Disassembly - Back cover

! Caution

Do not scratch the phone. Be careful not to put your fingertips or any foreign objects on the rear camera lens or back cover lens



5. Disassembly - Microphone & USB C port

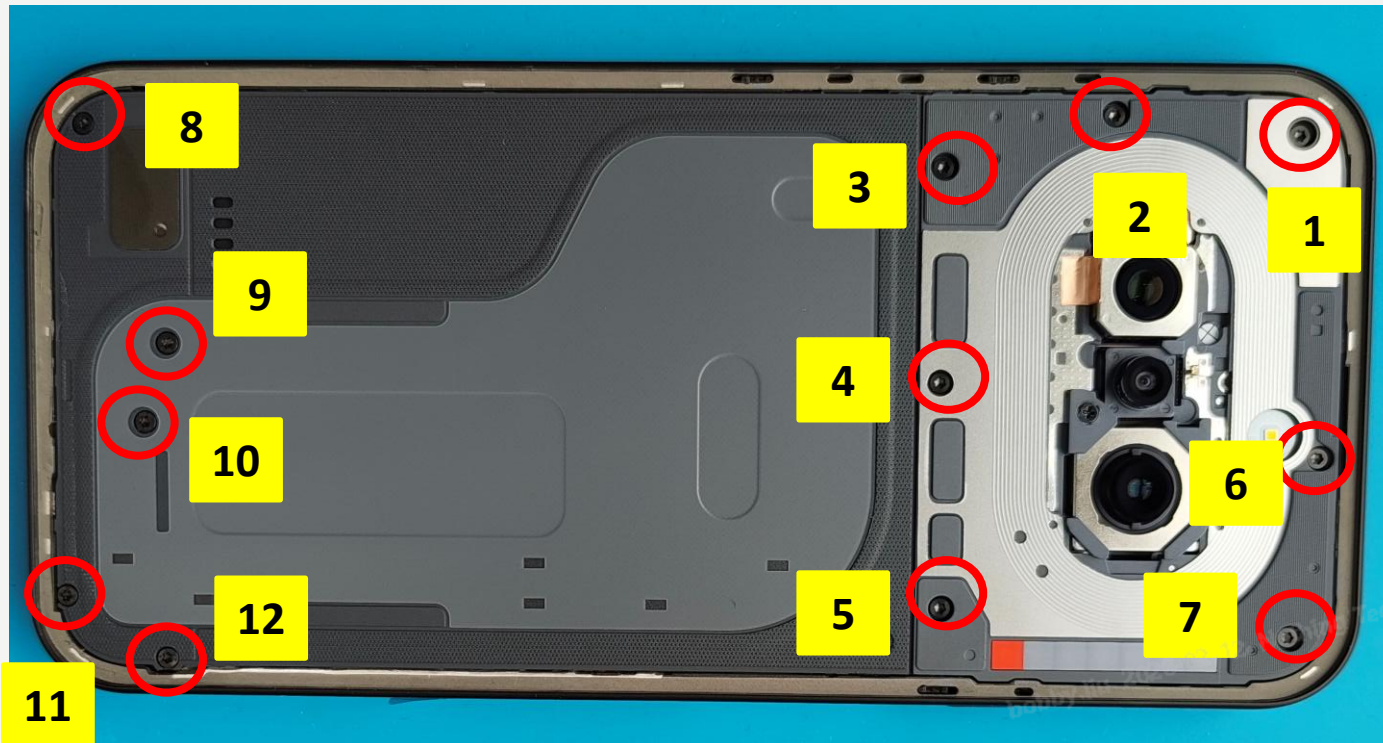
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Remove the following part before you begin:

- Back cover

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Step 1: Using a T5 screwdriver, methodically remove the 12 hexagon socket flat head screws, as illustrated in the diagram. Carefully collect and store all the screws you have removed to avoid them falling into the battery compartment, as this could potentially damage the battery or cause other issues.



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5. Disassembly - Microphone & USB C port

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Step 2: Using ESD plastic tweezers, carefully insert them about 1mm into the gap on either side of the battery cover. Make sure not to insert too deep to avoid damaging the battery or other internal components. Gently pry the tabs to release the cover. Then, carefully grasp the trim with your fingers. Apply steady, gentle force to pull it outward, making sure to support it evenly to avoid bending or breaking it. Gradually go around and slowly pull the trim out until it is completely separated.



Warning

Make sure not to insert too deep to avoid damaging the battery

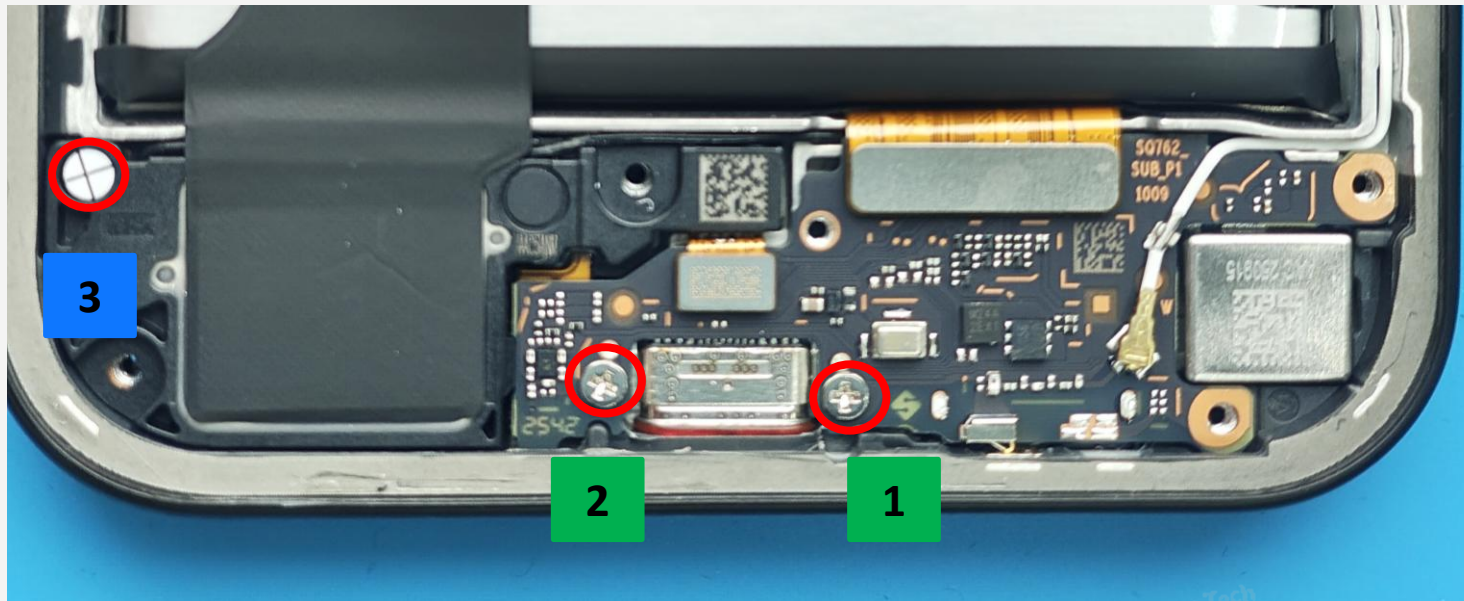
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5. Disassembly - Microphone & USB C port

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Step 3: Using a PH00 screwdriver, systematically remove the 3 Phillips-head screws shown in the diagram. Carefully collect and store all removed screws to prevent them from falling into the battery compartment, as this could damage the battery or cause other issues.

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5. Disassembly - Microphone & USB C port

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Step 4: Insert the SIM ejection pin into the hole of the SIM card tray to loosen the tray and pull out the tray gently from the tray slot.

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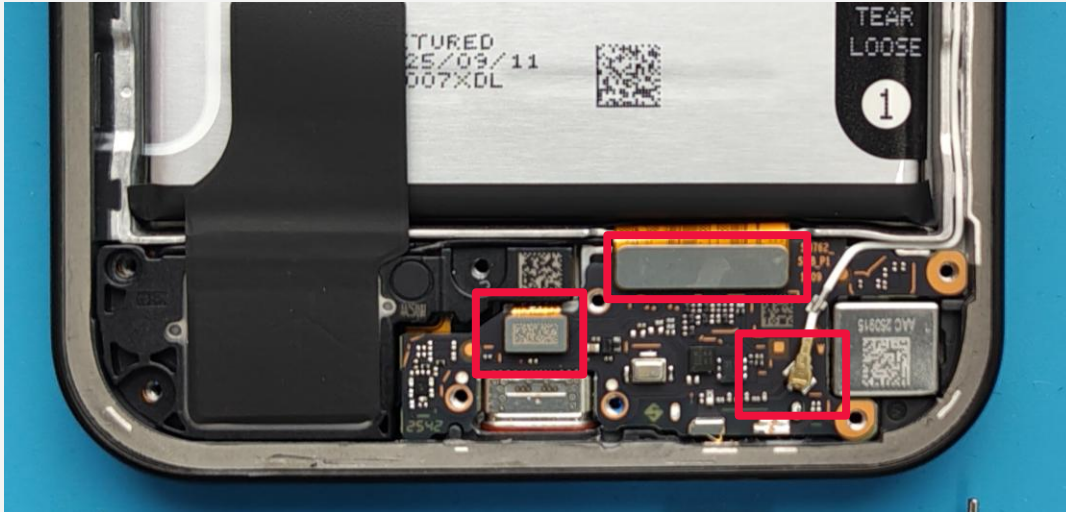
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5. Disassembly - Microphone & USB C port

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Step 5: Carefully use a pair of tweezers to detach the BTB connectors and RF connection clips at the sub board end. Ensure that you handle these components gently to avoid damaging the surrounding components.

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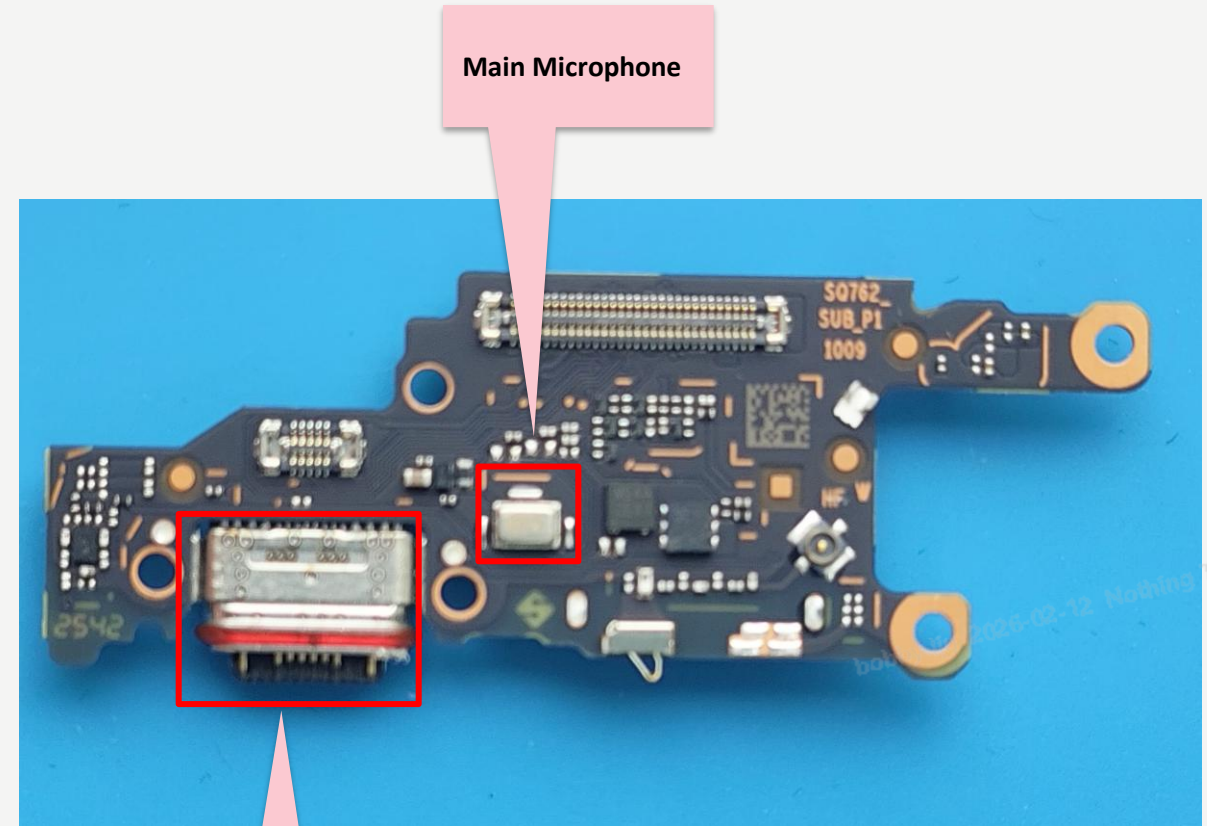
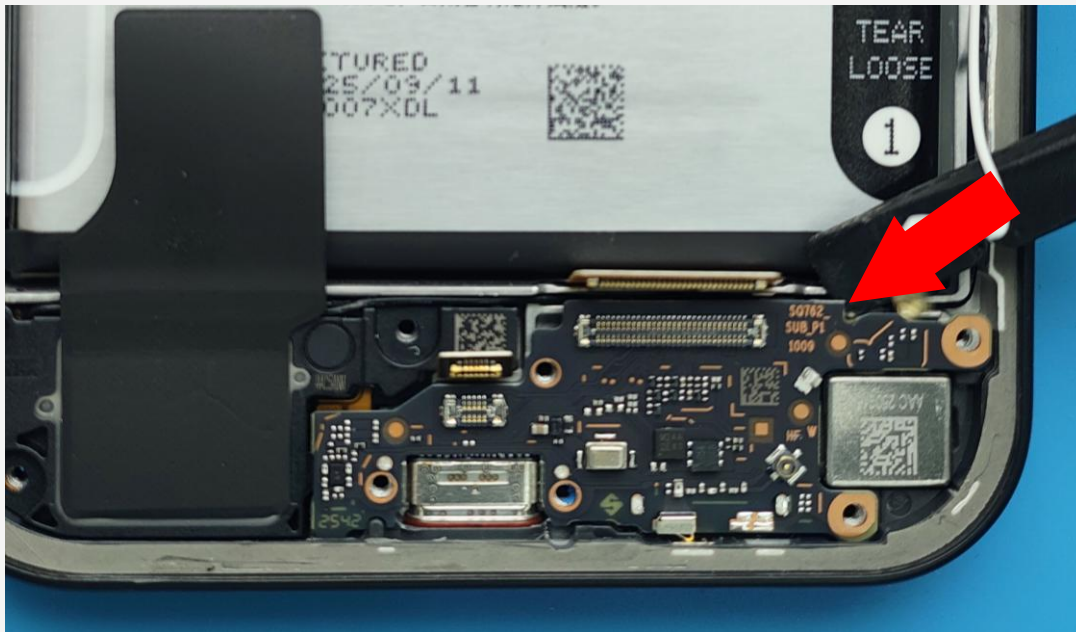
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5. Disassembly - Microphone & USB C port

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Step 6: Using tweezers, carefully insert them into the gap between the sub board and the mid-frame. Apply gentle, even pressure to slowly and carefully remove the sub board. Take special care to avoid damaging any of the electronic components on the sub board.

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Sub board

USB port

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5. Disassembly - Speaker

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Remove the following part before you begin:

- Back cover
- Microphone & USB C port

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Step 1: Gently lift the speaker assembly with your fingers. Make sure to handle it with care to avoid damaging any surrounding components. Then detach it from the antenna sub-board



Speaker

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5. Disassembly - Front Camera

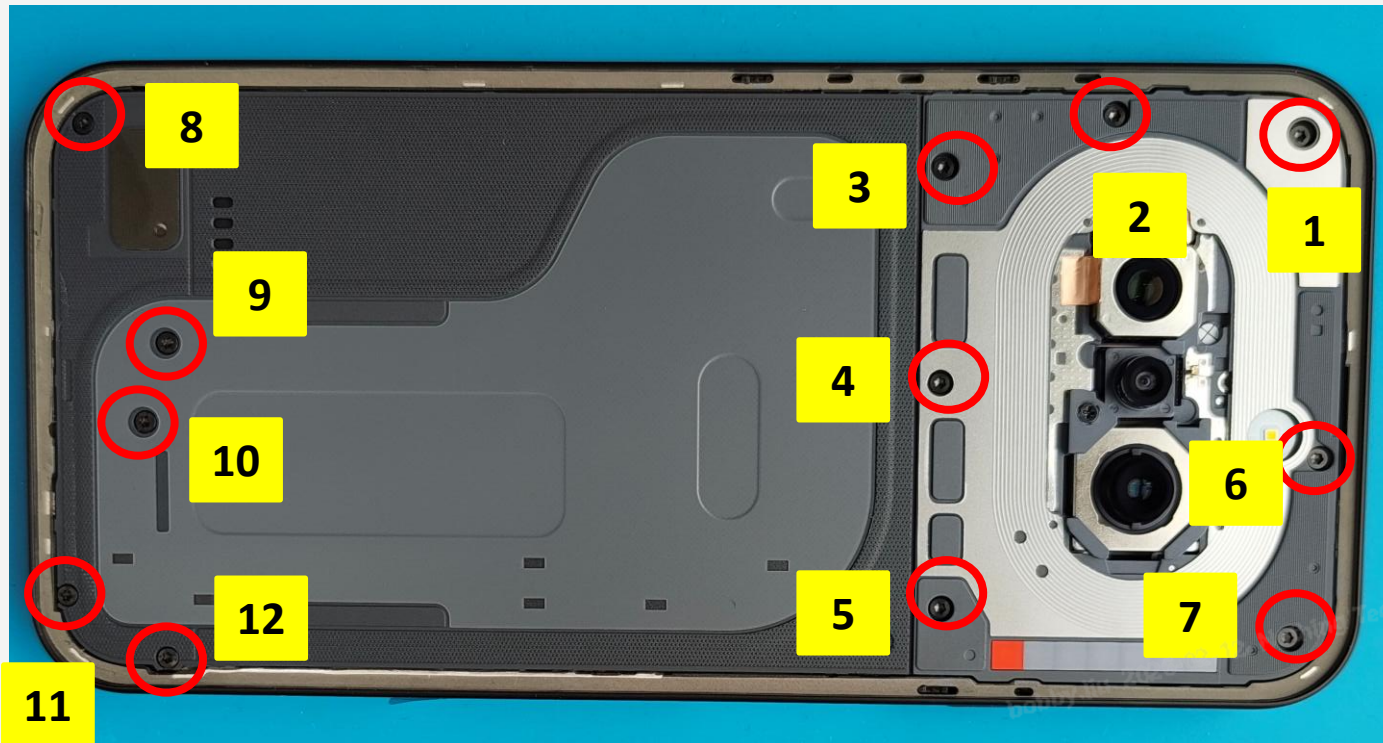
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Remove the following part before you begin:

- Back cover

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Step 1: Using a T5 screwdriver, methodically remove the 12 hexagon socket flat head screws, as illustrated in the diagram. Carefully collect and store all the screws you have removed to avoid them falling into the battery compartment, as this could potentially damage the battery or cause other issues.



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5. Disassembly - Front Camera

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Step 2: Using ESD plastic tweezers, carefully insert them about 1mm into the gap on either side of the battery cover. Make sure not to insert too deep to avoid damaging the battery or other internal components. Gently pry the tabs to release the cover. Then, carefully grasp the trim with your fingers. Apply steady, gentle force to pull it outward, making sure to support it evenly to avoid bending or breaking it. Gradually go around and slowly pull the trim out until it is completely separated.



Warning

Make sure not to insert too deep to avoid damaging the battery

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5. Disassembly - Front Camera

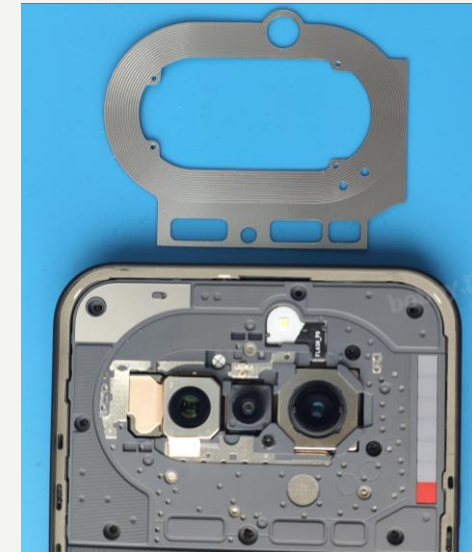
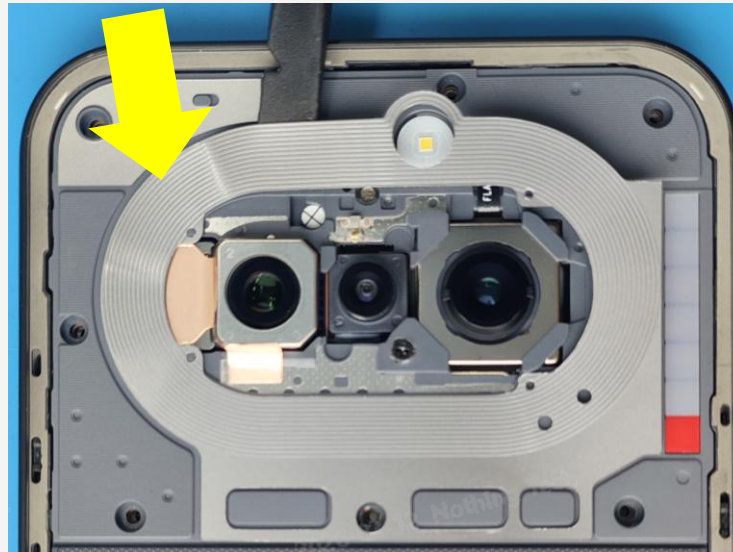
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Step 3: Using a slim, sharp pry plastic tool, carefully insert it into the gap at the edge of the decorative panel. Slowly and gently slide the pry tool back and forth to gradually create a small separation space. Once you have a sufficient gap, grasp the point where the pry tool and the decorative panel meet with your fingers. Apply a bit of pressure and pull outward carefully to completely detach the decorative panel.



Notice

It is recommended not to reuse the material after disassembly.

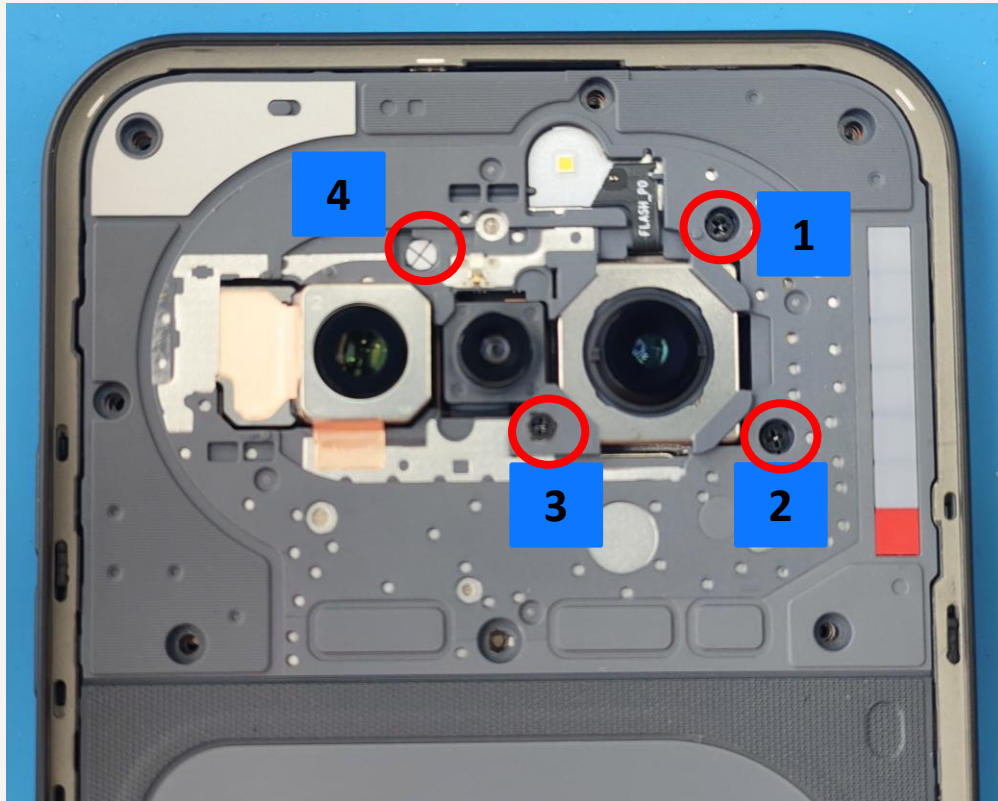


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5. Disassembly - Front Camera

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Step 4: Using a PH00 screwdriver, methodically remove the 4 Phillips-head screws, as illustrated in the diagram. Carefully collect and store all the screws you have removed to avoid them falling into the battery compartment, as this could potentially damage the battery or cause other issues.



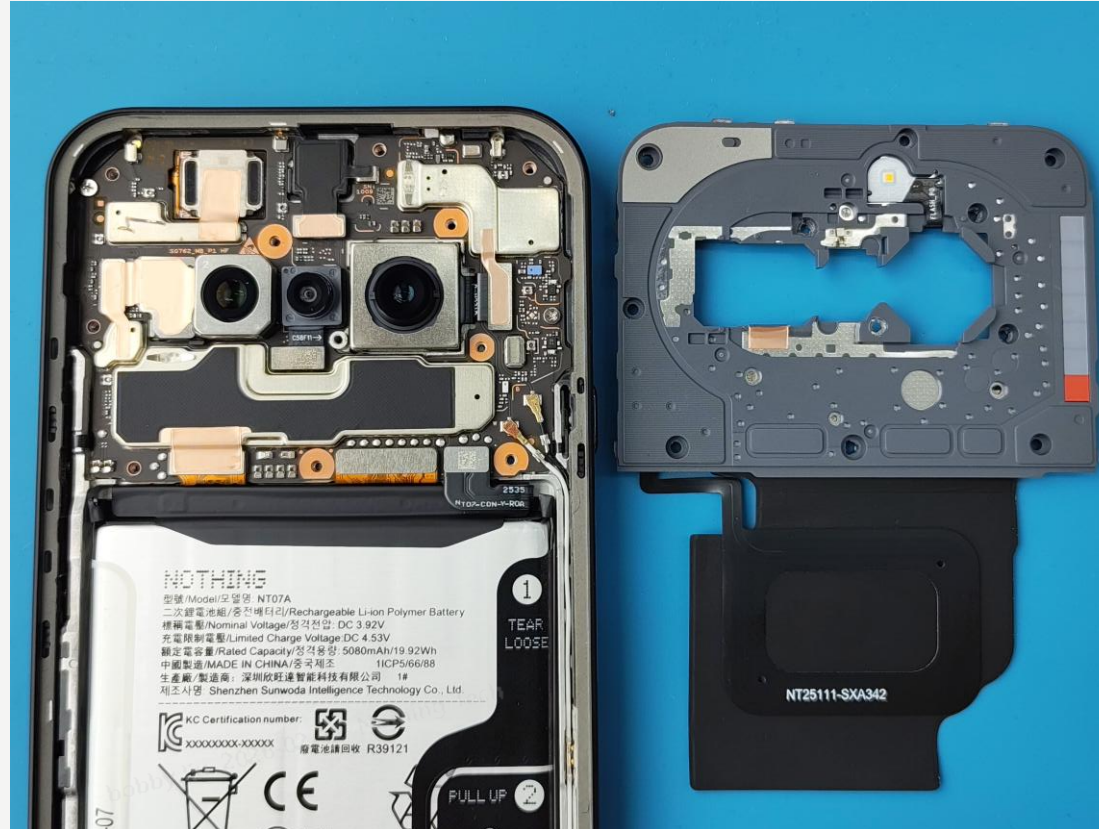
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5.Disassembly - Front Camera

Step 5: From the gap at the bottom of the mainboard bracket, gently begin to pull upwards. This action should gradually release the clips securing the mainboard bracket. Continue to lift slowly and carefully to fully disengage and remove the motherboard bracket..

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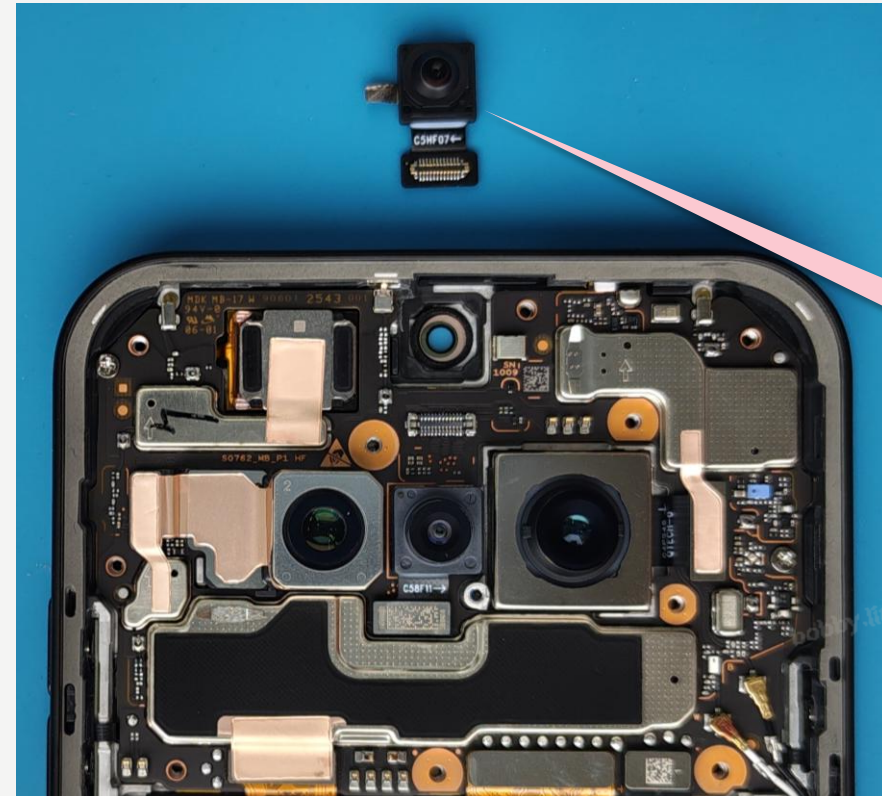
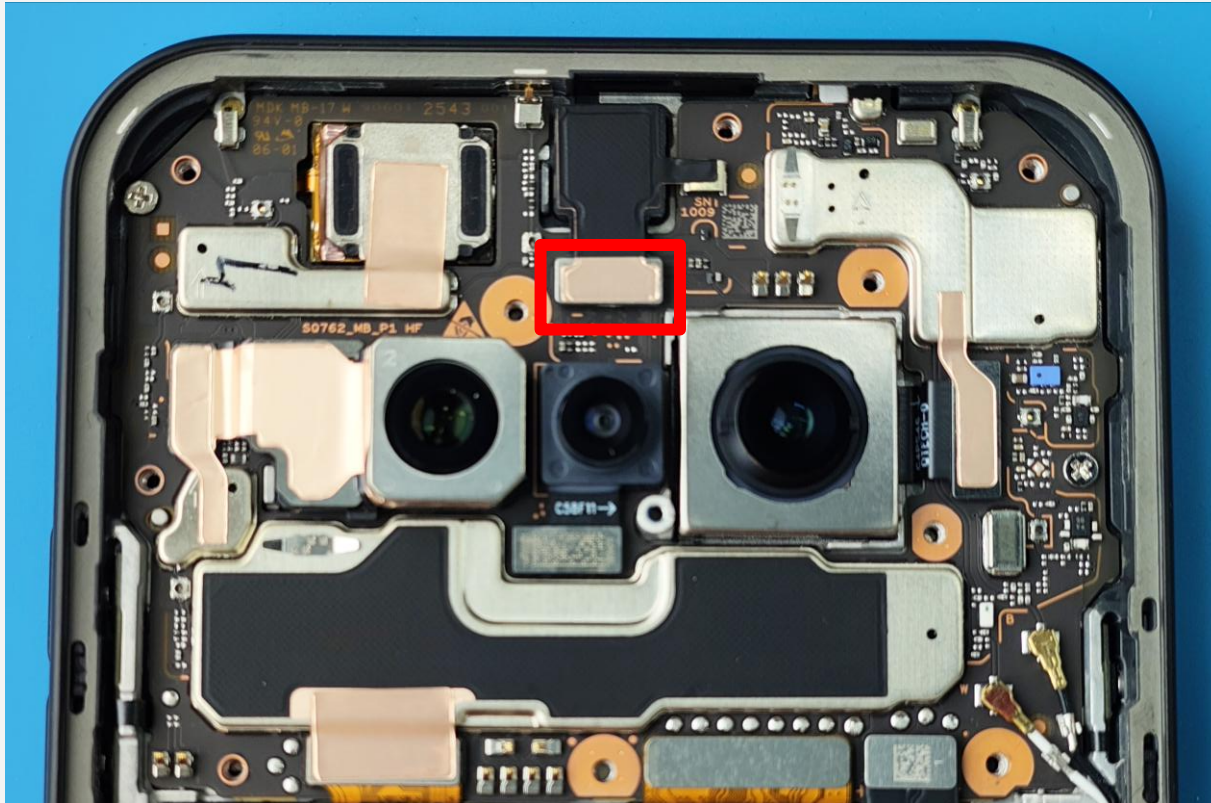
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5. Disassembly - Front Camera

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Step 6: Using tweezers, carefully remove the camera BTB connector from the mainboard. Take great care during this process to avoid damaging the surrounding electronic components.

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Front Camera

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5. Disassembly - Rear Camera

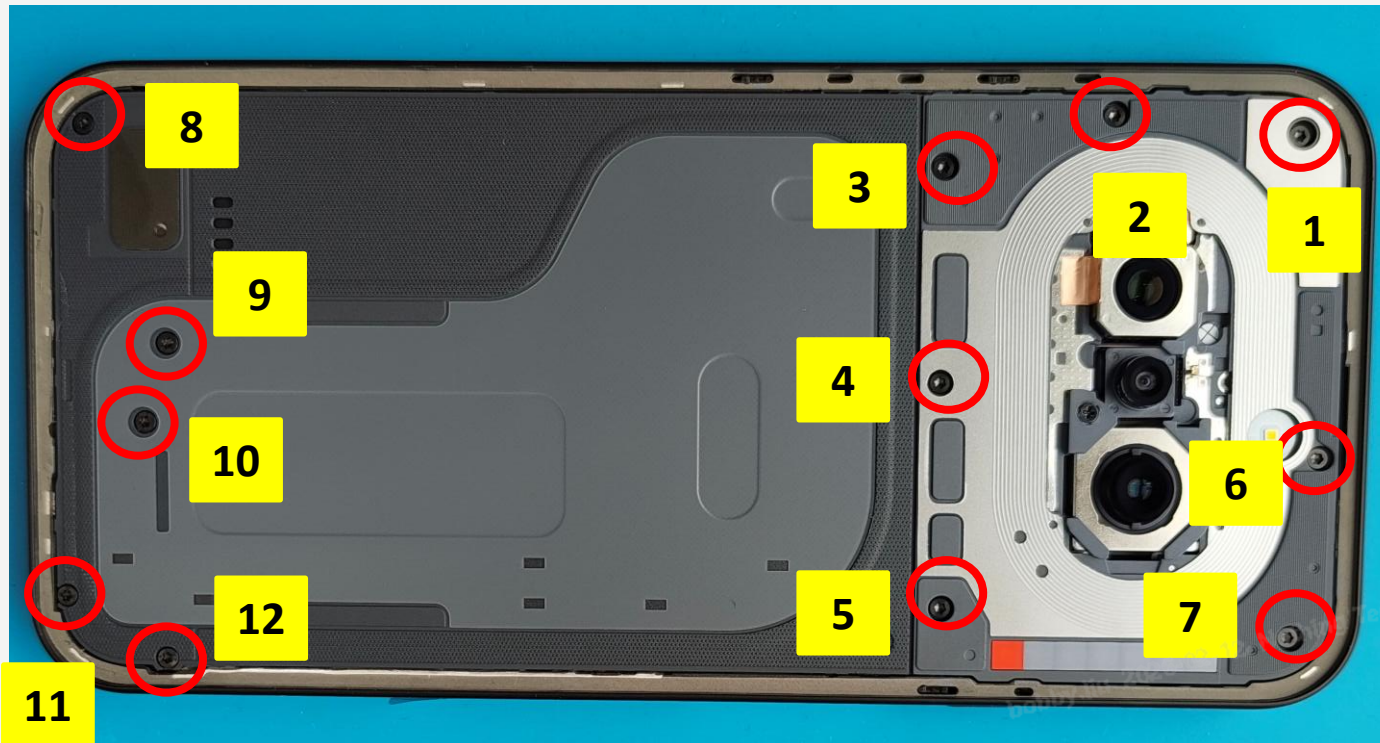
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Remove the following part before you begin:

- Back cover

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Step 1: Using a T5 screwdriver, methodically remove the 12 hexagon socket flat head screws, as illustrated in the diagram. Carefully collect and store all the screws you have removed to avoid them falling into the battery compartment, as this could potentially damage the battery or cause other issues.



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5. Disassembly - Rear Camera

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Step 2: Using ESD plastic tweezers, carefully insert them about 1mm into the gap on either side of the battery cover. Make sure not to insert too deep to avoid damaging the battery or other internal components. Gently pry the tabs to release the cover. Then, carefully grasp the trim with your fingers. Apply steady, gentle force to pull it outward, making sure to support it evenly to avoid bending or breaking it. Gradually go around and slowly pull the trim out until it is completely separated.



Warning

Make sure not to insert too deep to avoid damaging the battery

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5. Disassembly - Rear Camera

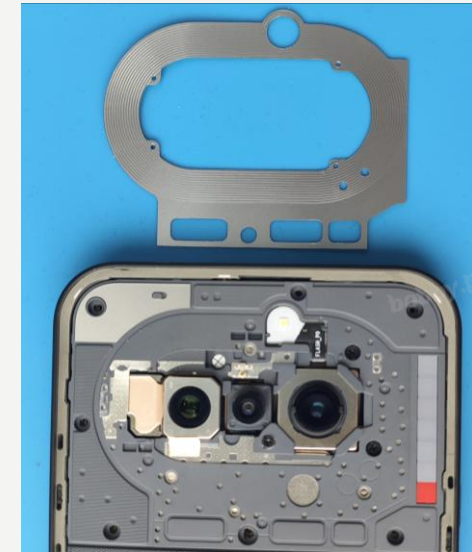
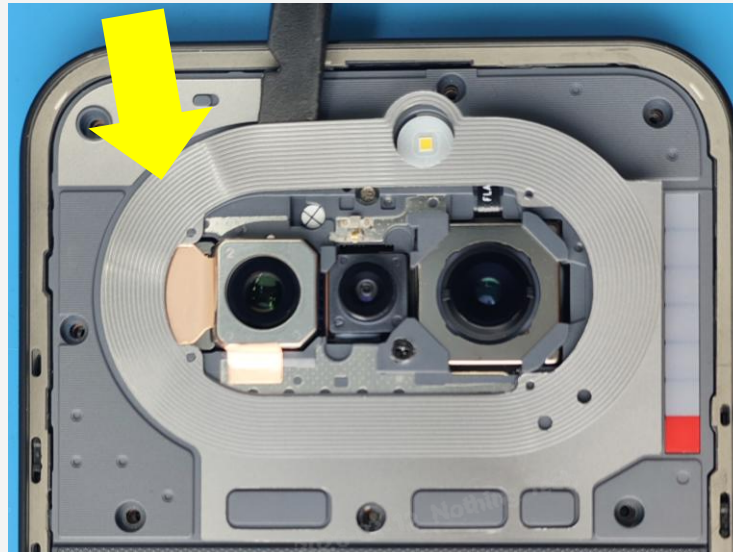
bobby.liu 2026-02-12 Nothing Tech

Step 3: Using a slim, sharp pry plastic tool, carefully insert it into the gap at the edge of the decorative panel. Slowly and gently slide the pry tool back and forth to gradually create a small separation space. Once you have a sufficient gap, grasp the point where the pry tool and the decorative panel meet with your fingers. Apply a bit of pressure and pull outward carefully to completely detach the decorative panel.



Notice

It is recommended not to reuse the material after disassembly.

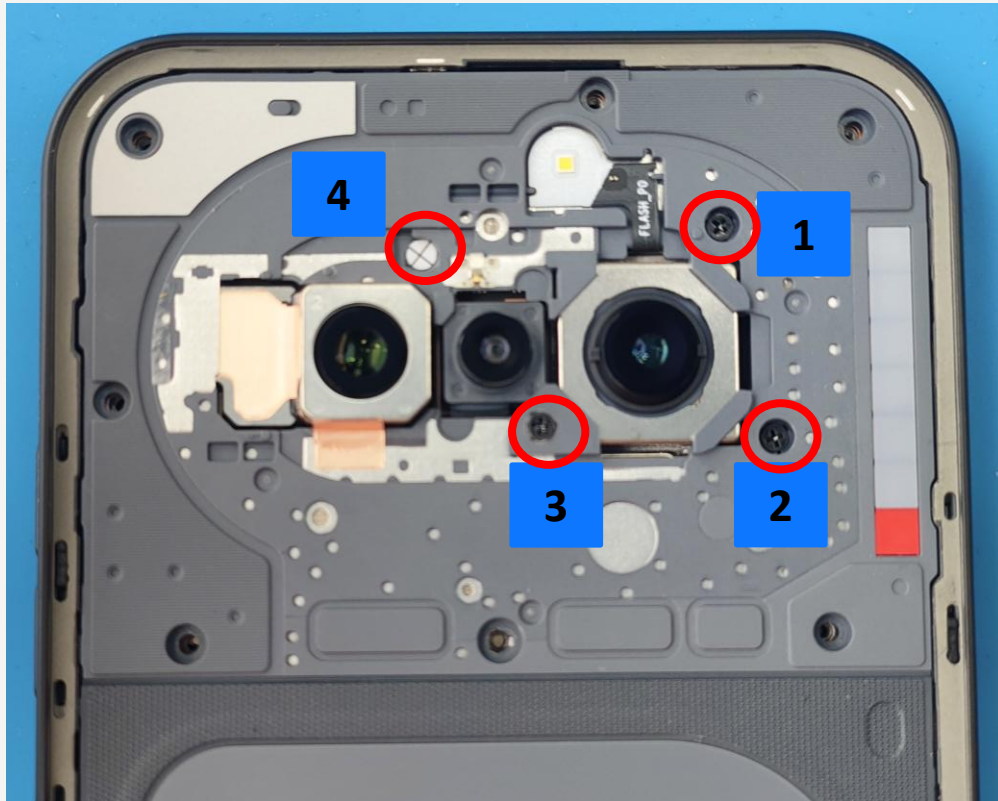


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5. Disassembly - Rear Camera

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Step 4: Using a PH00 screwdriver, methodically remove the 4 Phillips-head screws, as illustrated in the diagram. Carefully collect and store all the screws you have removed to avoid them falling into the battery compartment, as this could potentially damage the battery or cause other issues.



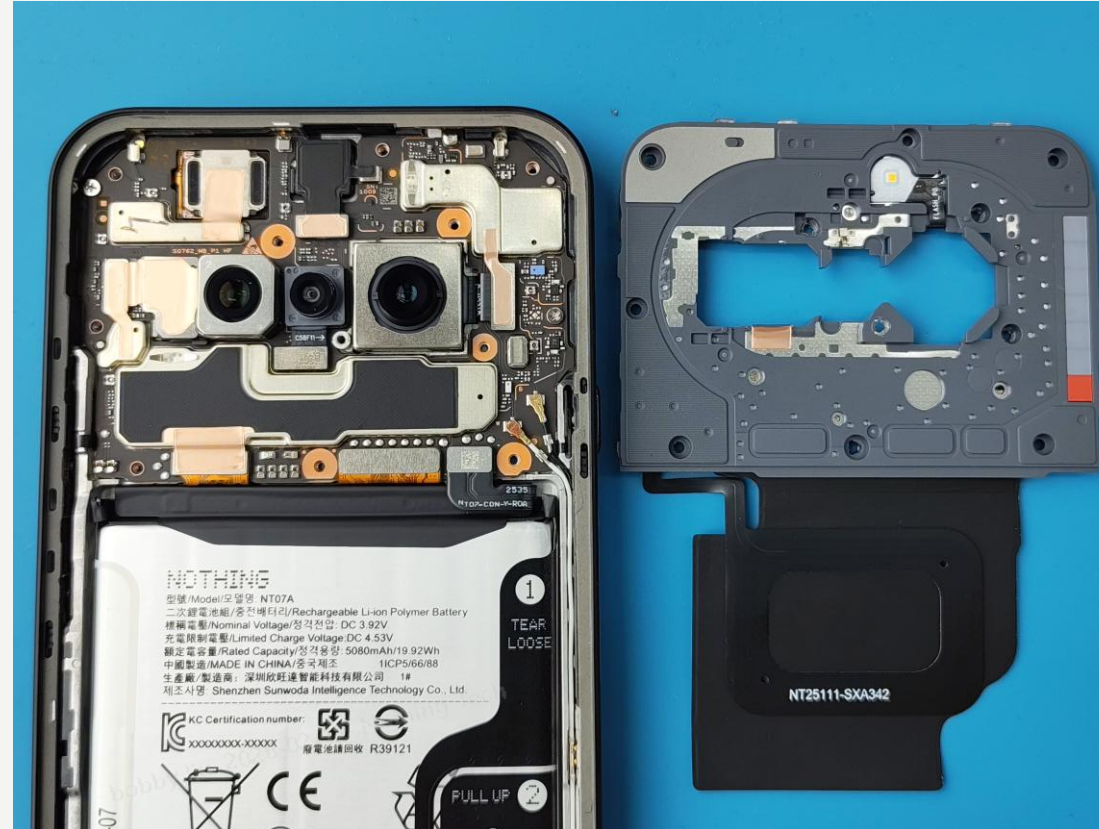
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5.Disassembly - Rear Camera

Step 5: From the gap at the bottom of the mainboard bracket, gently begin to pull upwards. This action should gradually release the clips securing the mainboard bracket. Continue to lift slowly and carefully to fully disengage and remove the motherboard bracket..

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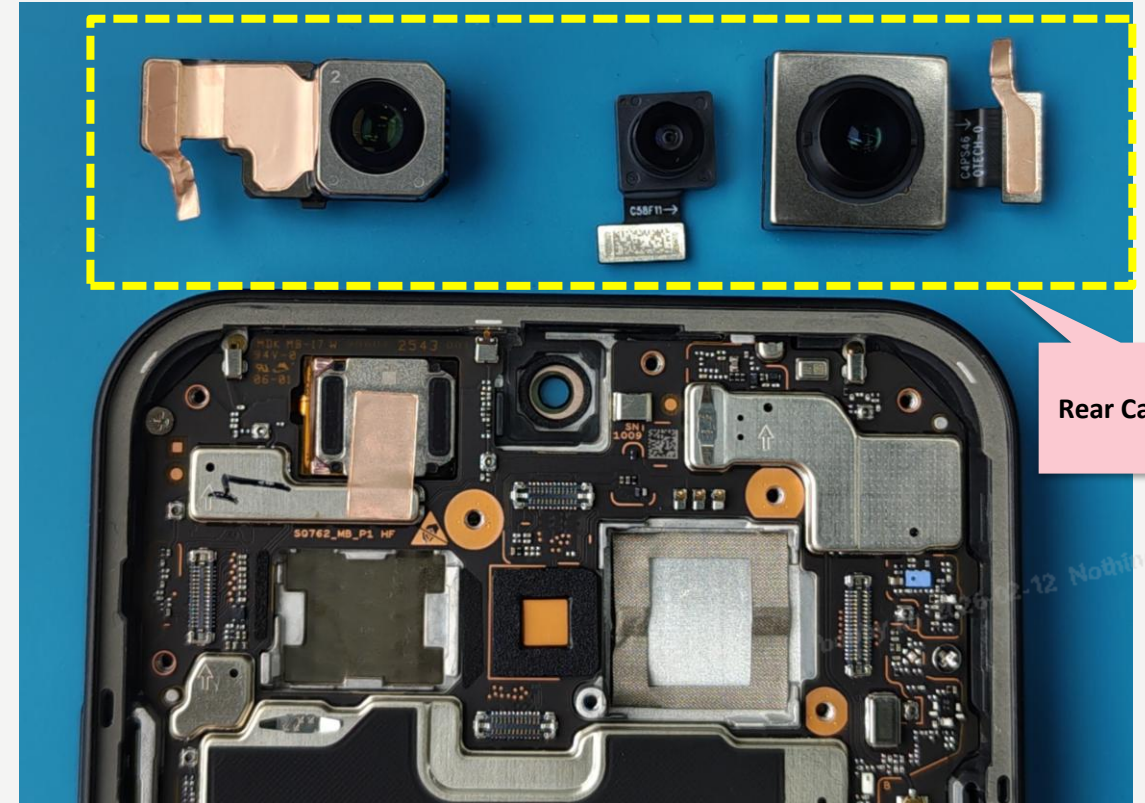
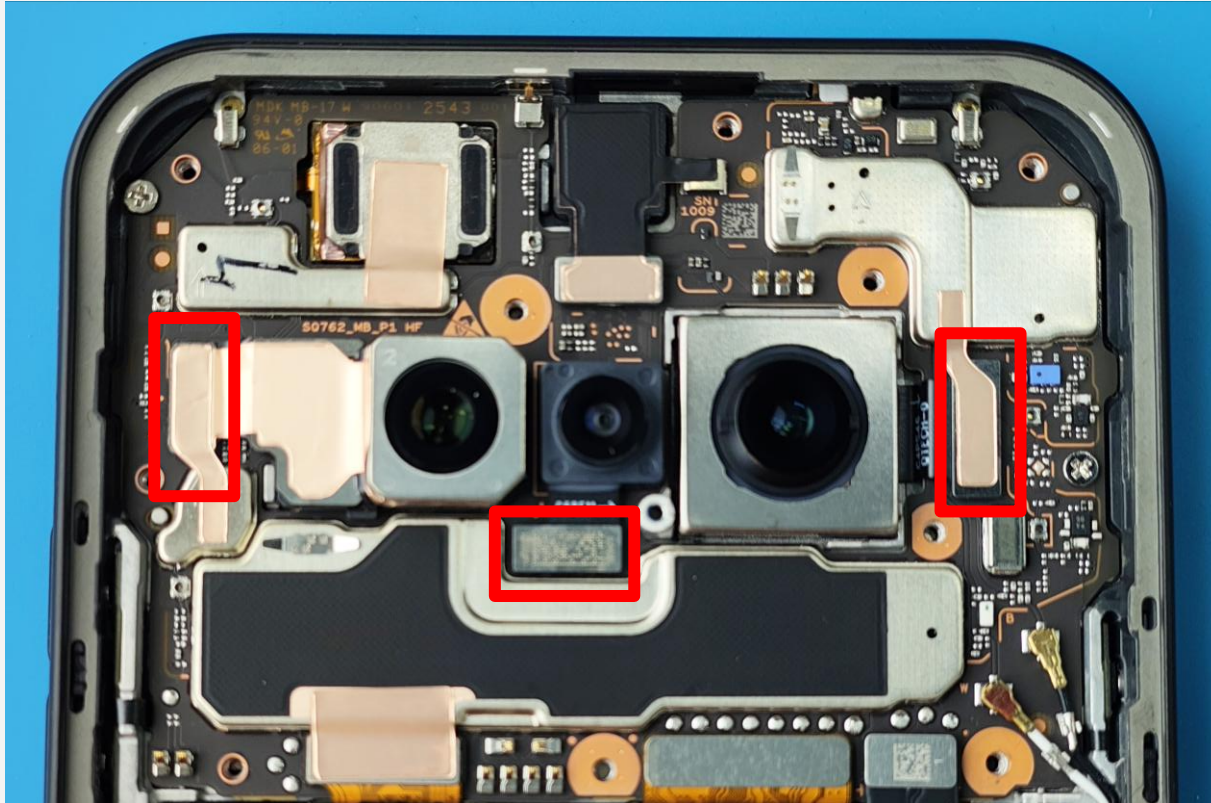
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5. Disassembly - Rear Camera

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Step 6: Using tweezers, carefully remove the camera BTB connector from the mainboard. Take great care during this process to avoid damaging the surrounding electronic components.

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Rear Camera

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5. Disassembly - Battery

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Remove the following part before you begin:

- **Back cover**

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Warning

The battery should only be replaced by a technician with knowledge and experience in repairing electronic devices. Improper battery replacement, improper parts handling, or failure to follow the instructions provided may result in fire, personal injury, loss of data, or damage to the device, parts, or other property.

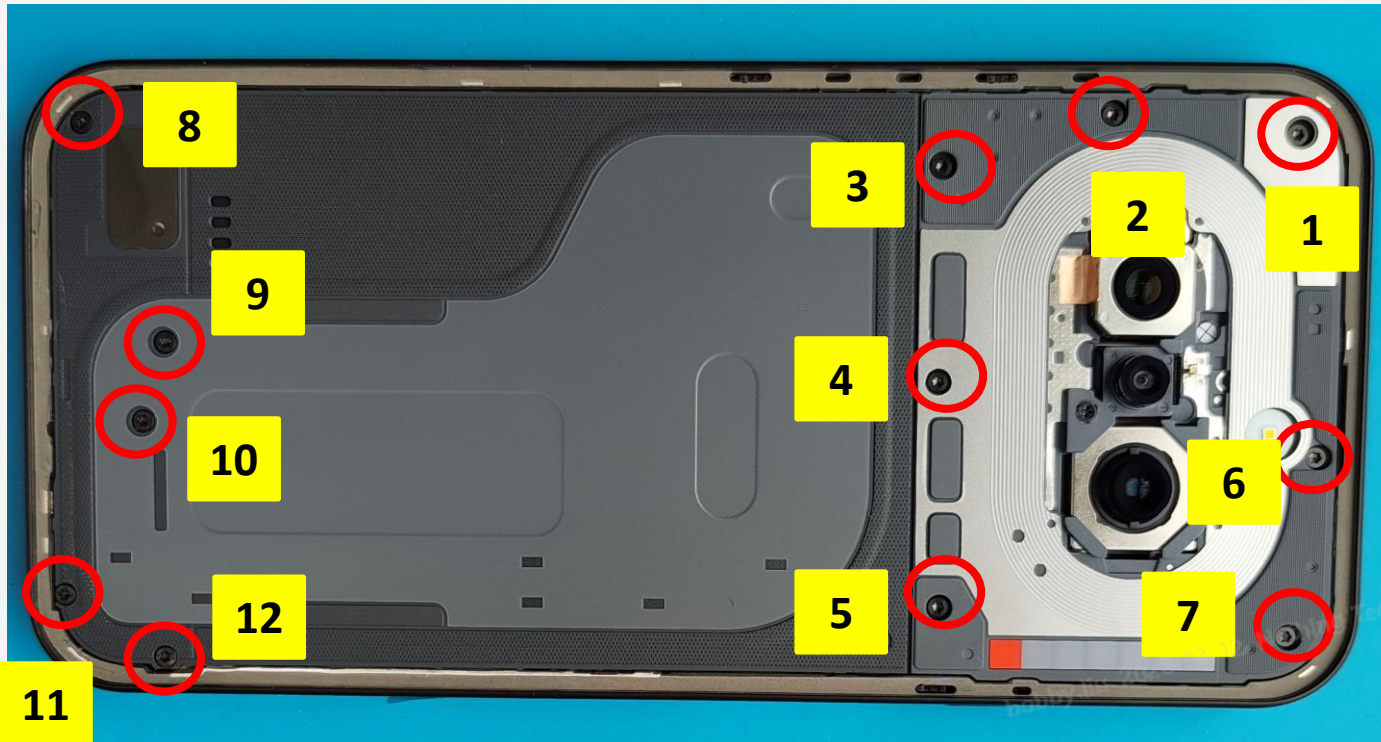
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5. Disassembly - Battery

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Step 1: Using a T5 screwdriver, methodically remove the 12 hexagon socket flat head screws, as illustrated in the diagram. Carefully collect and store all the screws you have removed to avoid them falling into the battery compartment, as this could potentially damage the battery or cause other issues.



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5. Disassembly - Battery

Step 2: Using ESD plastic tweezers, carefully insert them about 1mm into the gap on either side of the battery cover. Make sure not to insert too deep to avoid damaging the battery or other internal components. Gently pry the tabs to release the cover. Then, carefully grasp the trim with your fingers. Apply steady, gentle force to pull it outward, making sure to support it evenly to avoid bending or breaking it. Gradually go around and slowly pull the trim out until it is completely separated.



Warning

Make sure not to insert too deep to avoid damaging the battery

5. Disassembly - Battery

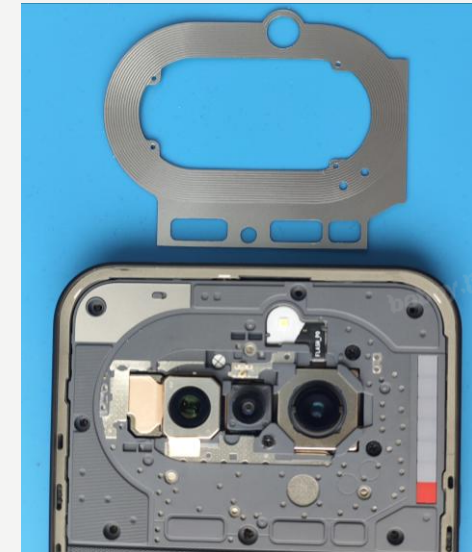
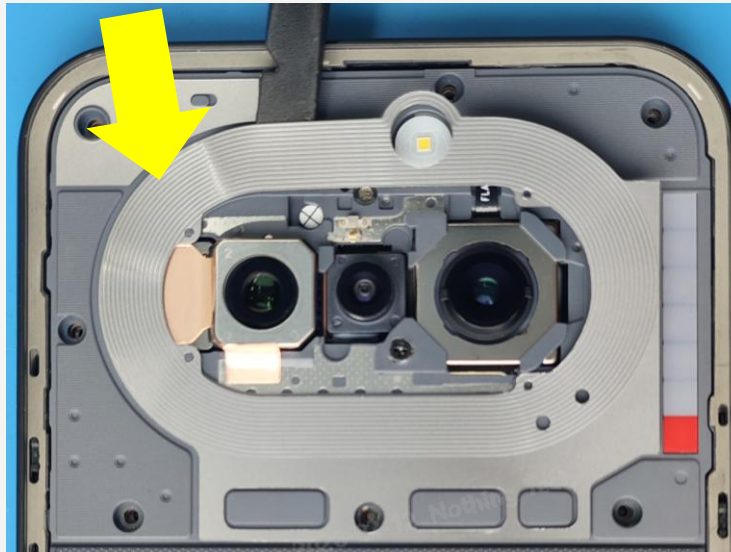
bobby.liu 2026-02-12 Nothing Tech

Step 3: Using a slim, sharp pry plastic tool, carefully insert it into the gap at the edge of the decorative panel. Slowly and gently slide the pry tool back and forth to gradually create a small separation space. Once you have a sufficient gap, grasp the point where the pry tool and the decorative panel meet with your fingers. Apply a bit of pressure and pull outward carefully to completely detach the decorative panel.



Notice

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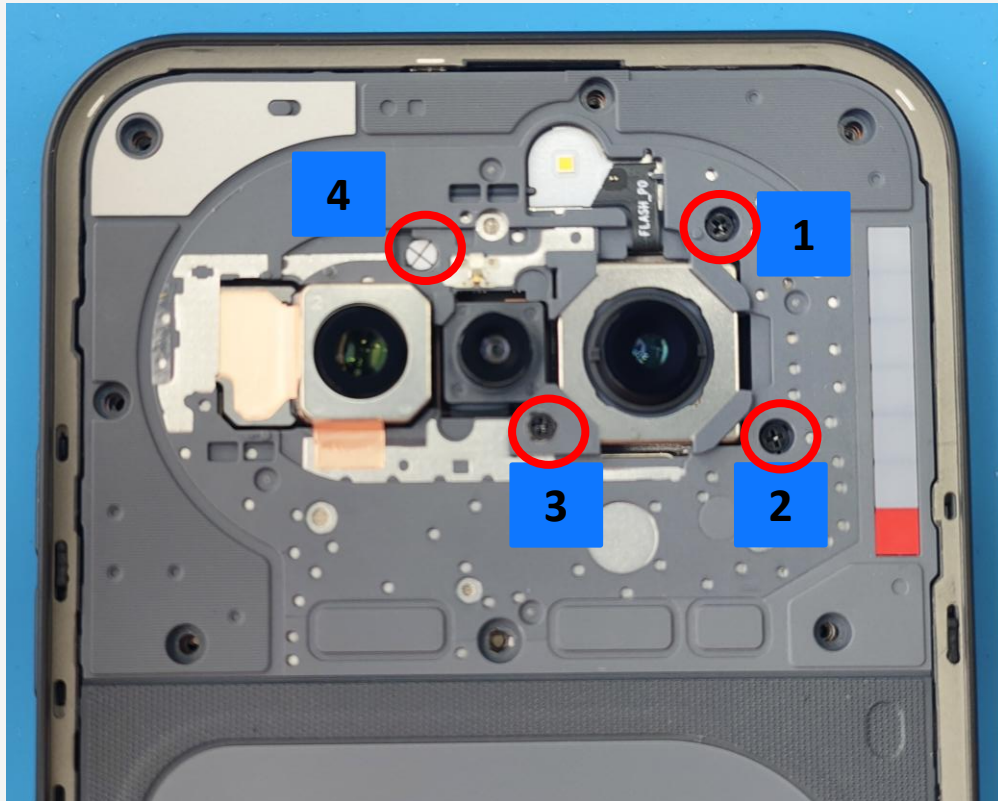


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5. Disassembly - Battery

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Step 4: Using a PH00 screwdriver, methodically remove the 4 Phillips-head screws, as illustrated in the diagram. Carefully collect and store all the screws you have removed to avoid them falling into the battery compartment, as this could potentially damage the battery or cause other issues.



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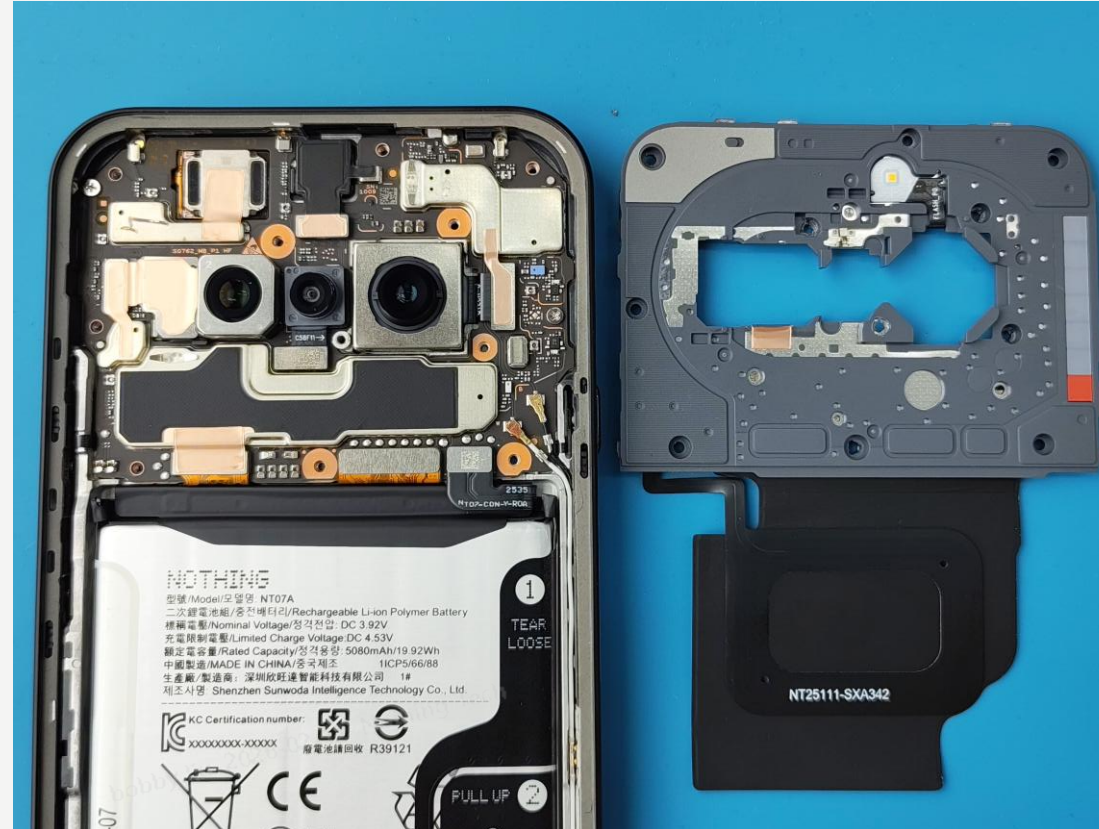
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5. Disassembly - Battery

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Step 5: From the gap at the bottom of the mainboard bracket, gently begin to pull upwards. This action should gradually release the clips securing the mainboard bracket. Continue to lift slowly and carefully to fully disengage and remove the motherboard bracket..

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5. Disassembly - Battery

bobby.liu 2026-02-12 Nothing Tech

Step 6: Using tweezers, carefully remove the BTB connector from the mainboard. Take great care during this process to avoid damaging the surrounding electronic components.

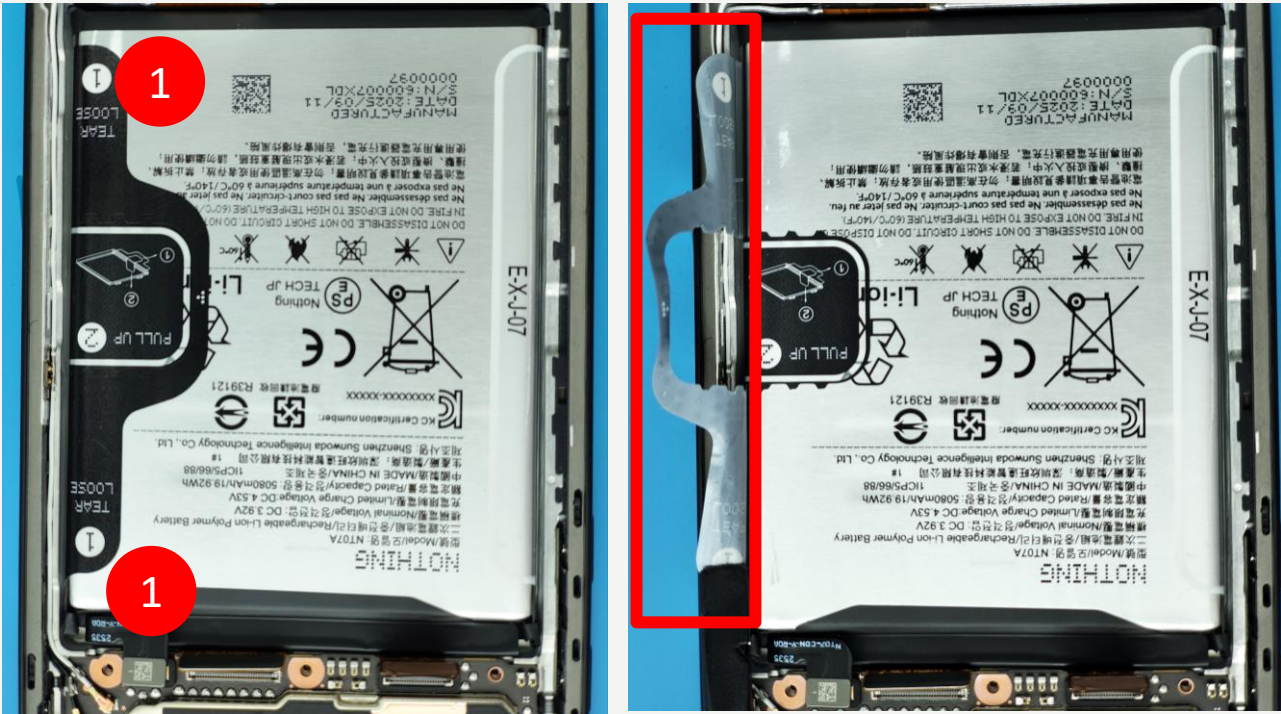
bobby.liu 2026-02-12 Nothing Tech



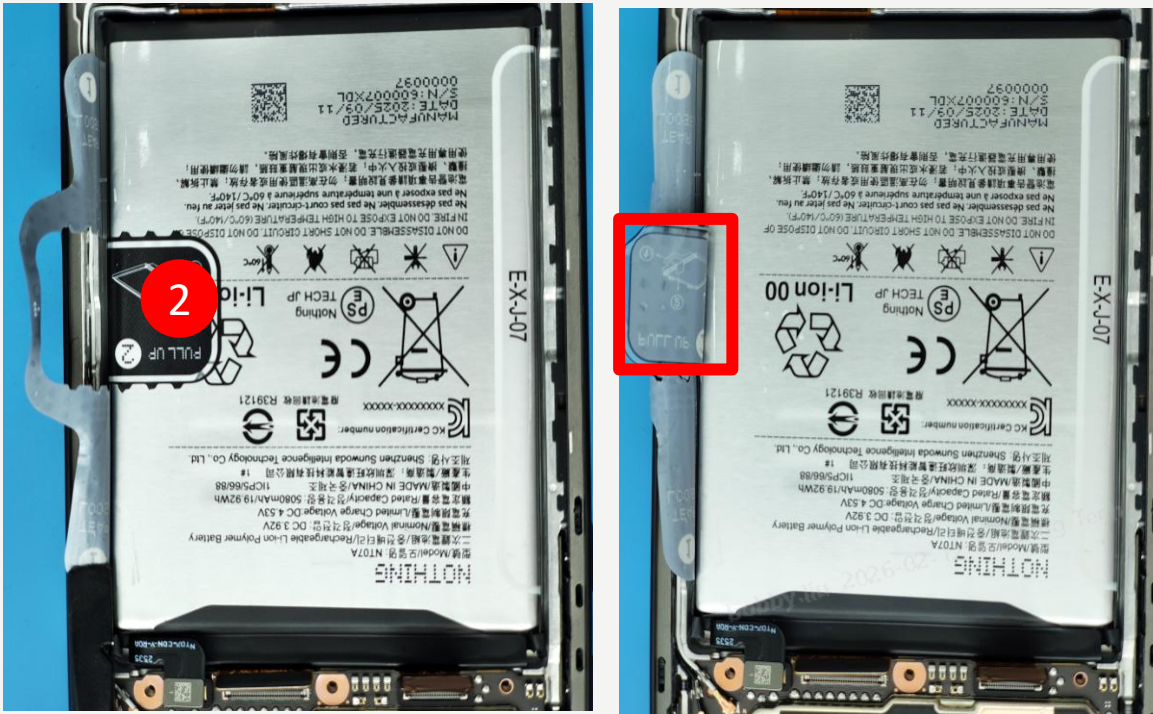
bobby.liu 2026-02-12 Nothing Tech

5.Disassembly - Battery

Step 7: Use tweezers to tear off the battery tear paper



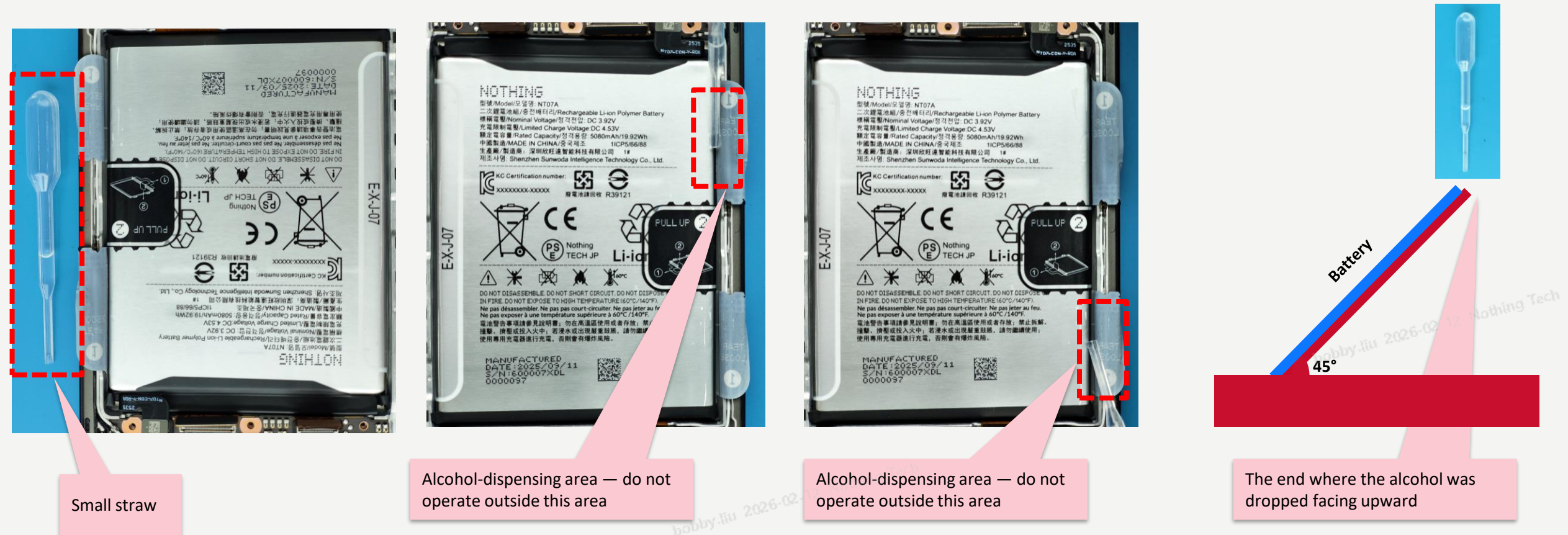
a). Gently tear off the easy-tear paper on the surface of the battery, refer to position 1



b). Gently tear off the easy-tear paper on the surface of the battery, refer to position 2

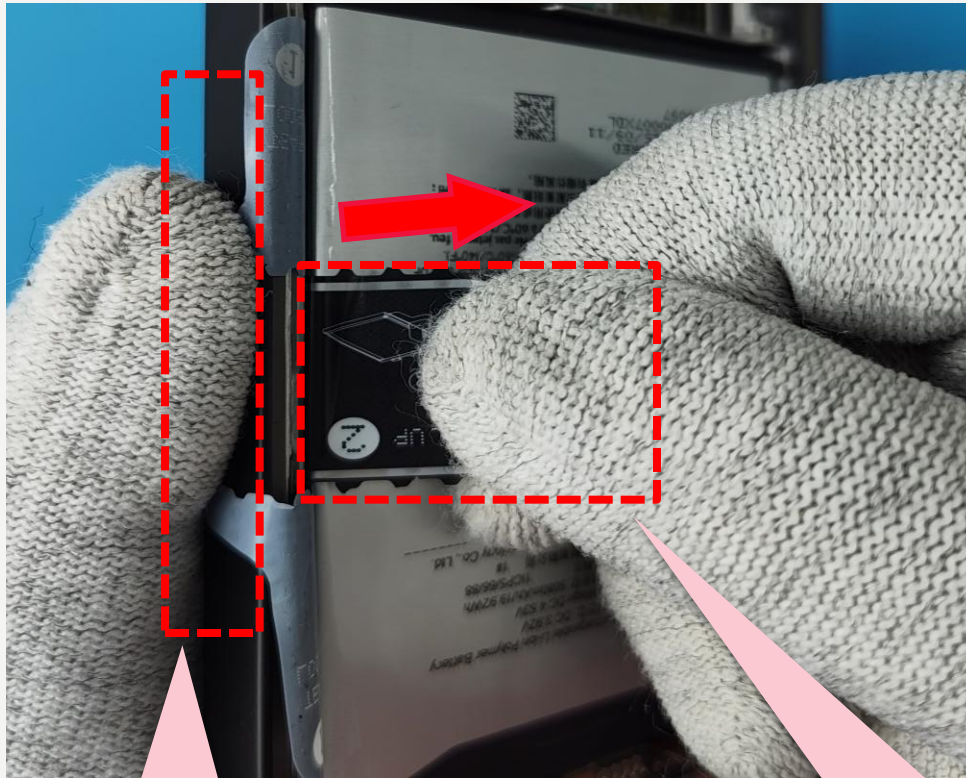
5.Disassembly - Battery

Step 8: Use a small straw to draw a small amount of alcohol. Apply 1–2 drops of alcohol between the battery and the tear-off strip in the area shown. Then tilt the phone 45° along its long edge for 10 seconds to allow the alcohol to penetrate fully, with the end where the alcohol was dropped facing upward.

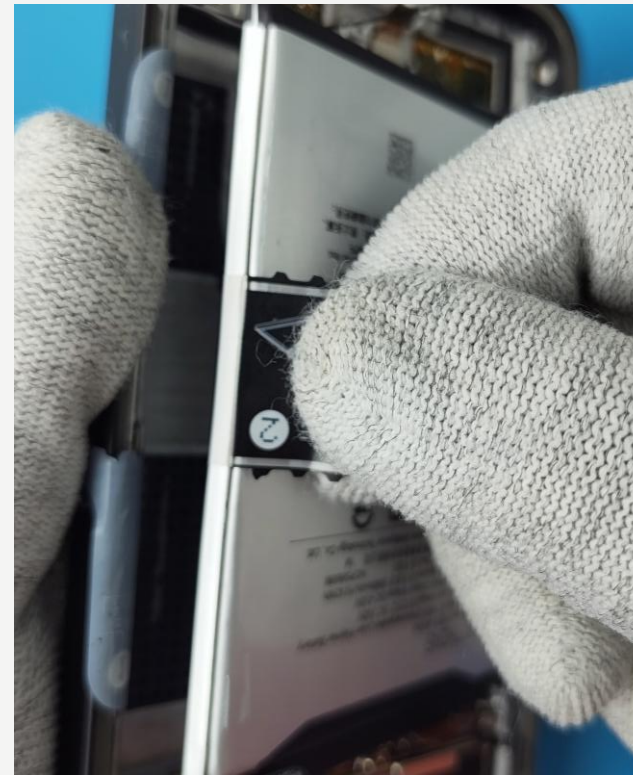


5.Disassembly - Battery

Step 9: With one hand, hold the position-1 tear paper firmly against the phone's midframe, and with the other hand carefully grasp the pull tab on the battery. Pull the tab outward slowly and steadily at an angle close to perpendicular to the battery surface, applying even force to remove the battery from the battery compartment. Take care not to damage any internal components.



Hold the position-1 tear paper firmly against the phone's midframe



Grasp the pull tab on the battery to remove the battery from its compartment



5. Disassembly - Battery



Warning

Only technicians with the proper knowledge, experience, and tools required for electronic device repair should replace a battery.



Warning

It's essential to install new batteries. Removed batteries should not be reused, as used battery cells can be damaged during the removal process.



Warning

Do not throw or drop the battery. Dispose of used batteries in accordance with local laws and regulations.

5. Disassembly - Display

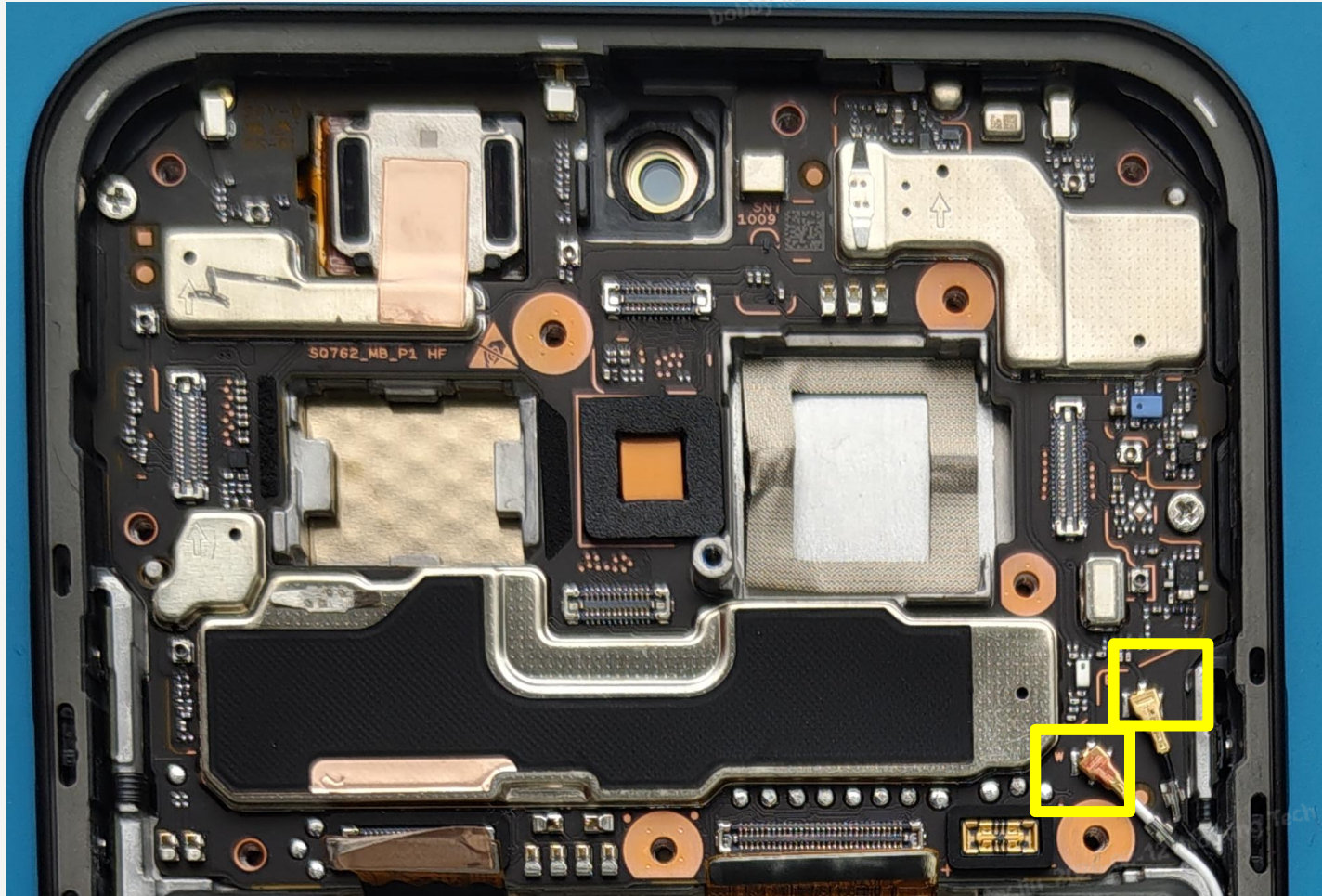
Remove the following part before you begin:

- Back cover
- Microphone & USB C port
- Speaker
- Rear Camera
- Front Camera
- Battery

5. Disassembly - Display

bobby.liu 2026-02-12 Nothing Tech

Step 1: Carefully use a pair of tweezers to detach the BTB connectors and RF connection clips at the mainboard end. Ensure that you handle these components gently to avoid damaging the surrounding components.

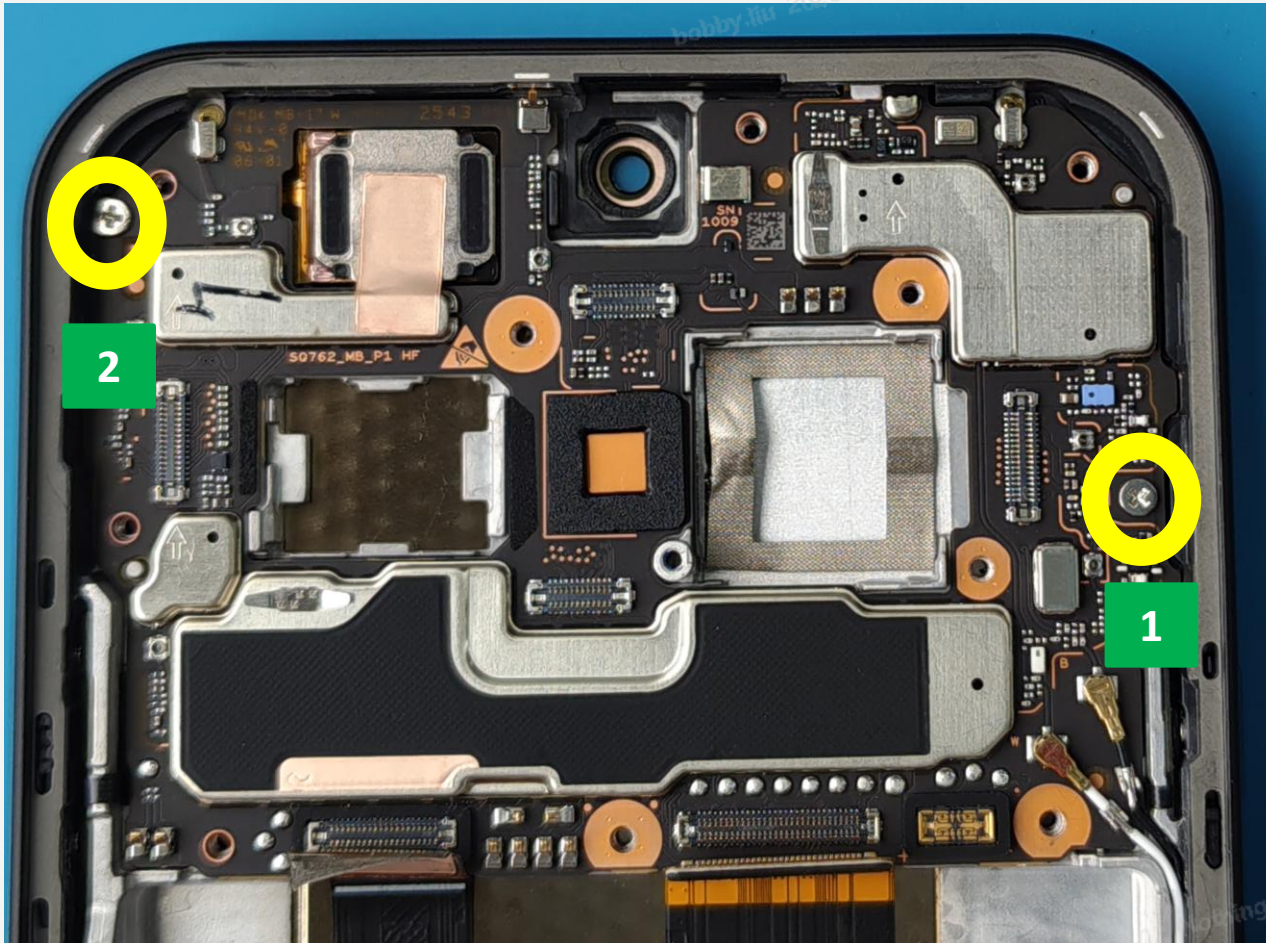


bobby.liu 2026-02-12 Nothing Tech

5. Disassembly - Display

bobby.liu 2026-02-12 Nothing Tech

Step 2: Using a PH00 screwdriver, remove 2 screws from the mainboard.

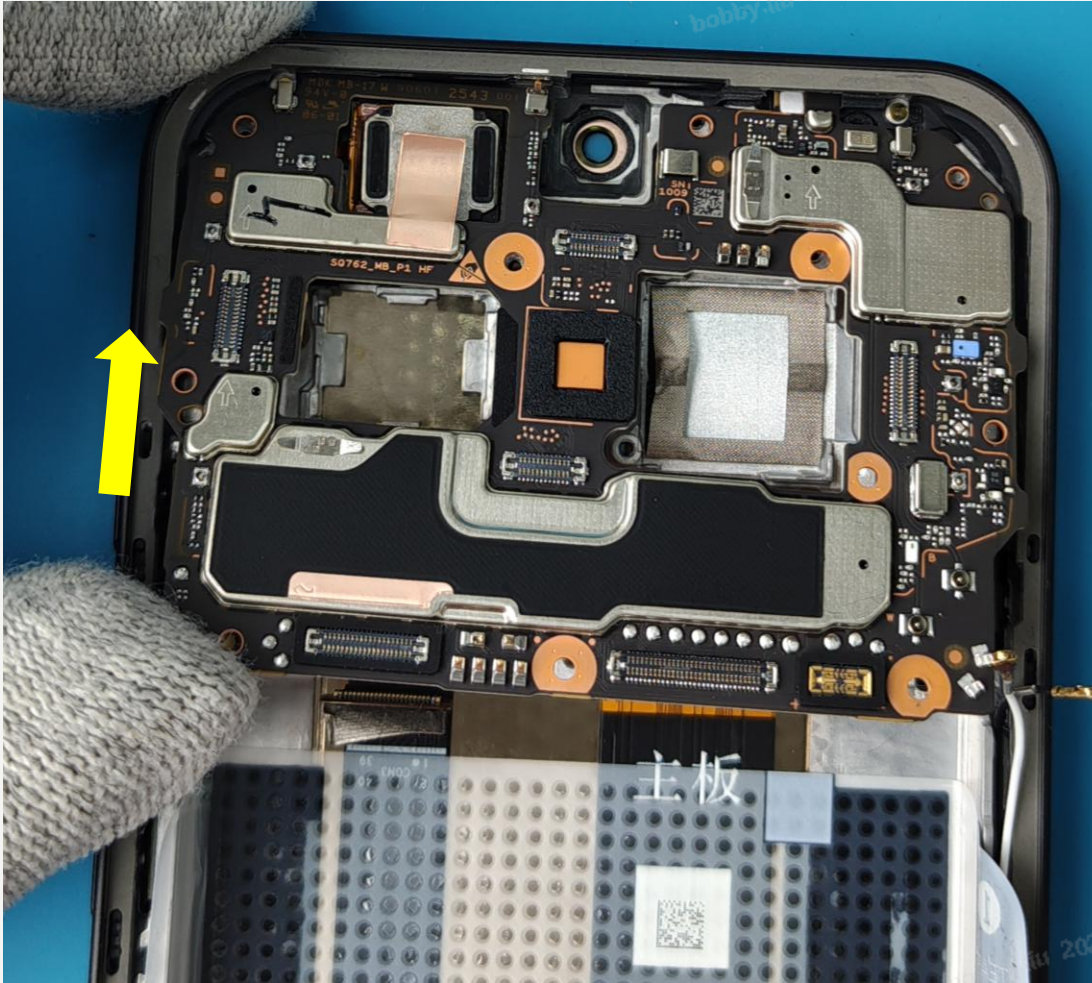


bobby.liu 2026-02-12 Nothing Tech

5. Disassembly - Display

bobby.liu 2026-02-12 Nothing Tech

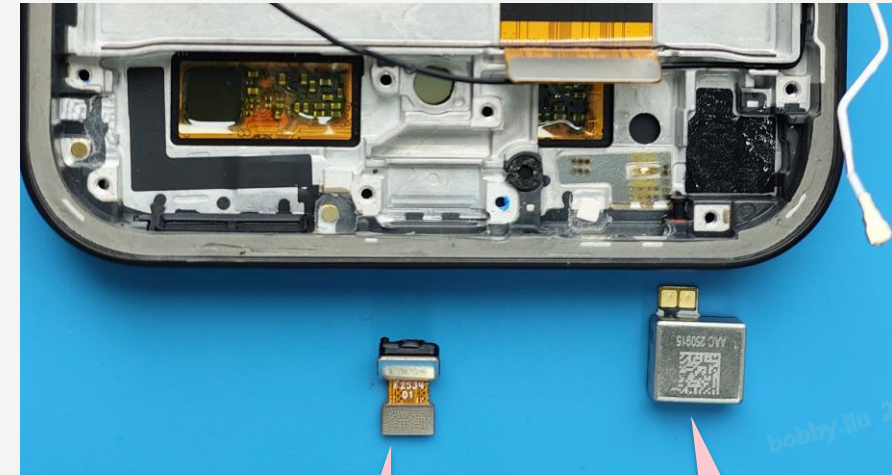
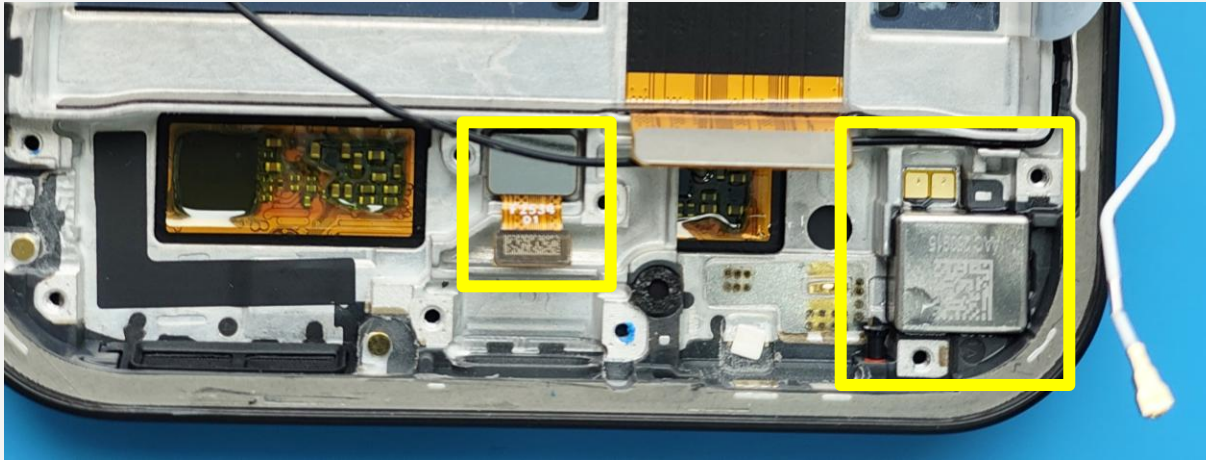
Step 3: Place your fingers under the bottom edge of the mainboard. Then gently apply steady and even pressure upward to lift the mainboard. Remove the mainboard slowly and carefully to avoid damaging any delicate surrounding components.



5. Disassembly - Display

bobby.liu 2026-02-12 Nothing Tech

Step 4: Insert a pry tool between the fingerprint assembly and midframe, lift gently, then grasp the fingerprint FPC and pull it outward evenly until the module detaches. Next, insert metal tweezers between the vibration motor and midframe, lift gently and pry outward with steady pressure until the motor separates.



Fingerprint

Vibration motor

bobby.liu 2026-02-12 Nothing Tech

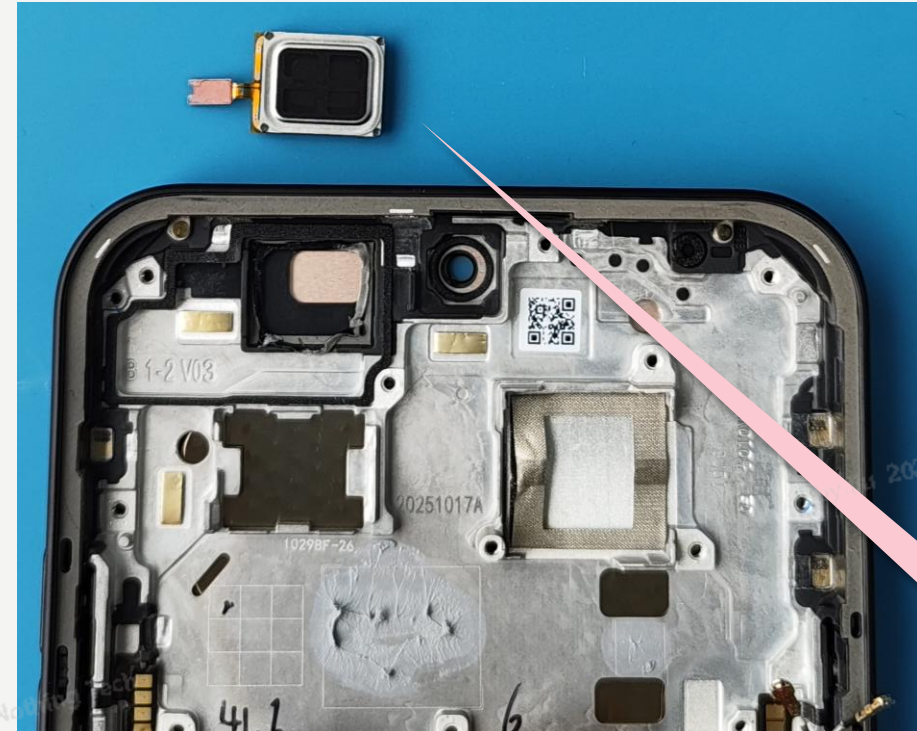
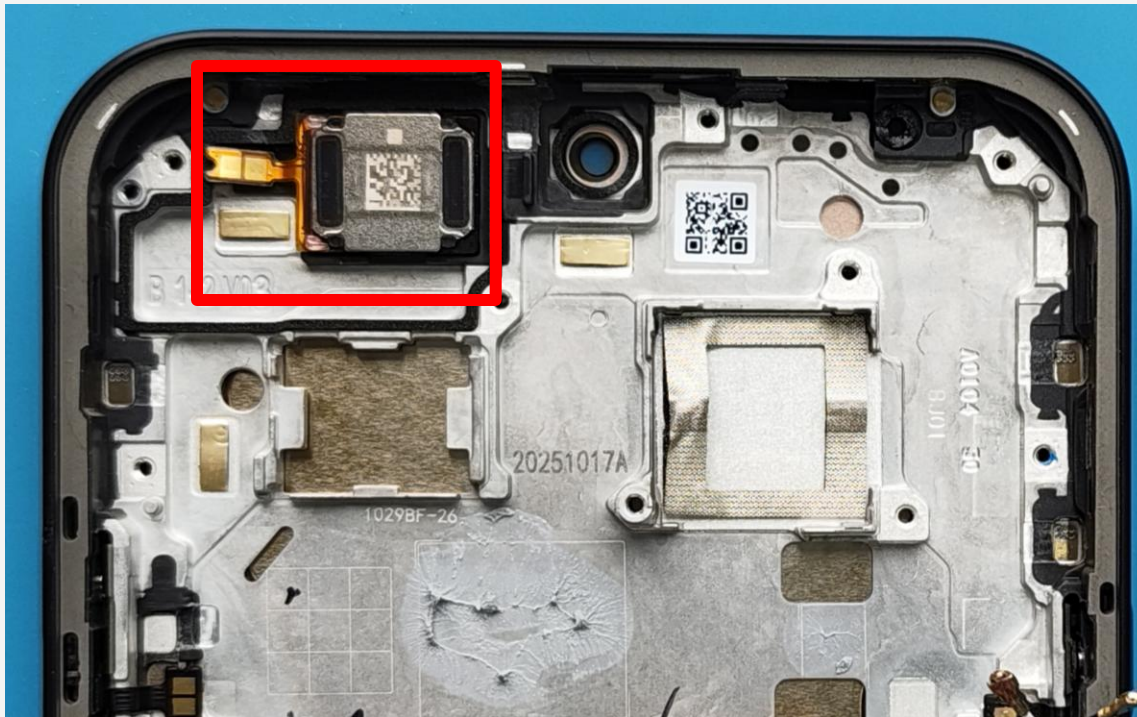
bobby.liu 2026-02-12 Nothing Tech

5. Disassembly - Display

bobby.liu 2026-02-12 Nothing Tech

Step 5: Using a pair of tweezers, carefully disconnect the pad connecting the receiver to the FPC. Next, gently insert one tip of the tweezers into the small gap between the earpiece and the mid-frame. Slowly and steadily pry the receiver up.

If the earpiece proves difficult to remove, mildly heat the area to soften the adhesive for easier detachment. Be sure to handle the earpiece delicately during this process to avoid any damage.



Receiver

5. Disassembly - Display

bobby.liu 2026-02-12 Nothing Tech

Step 6: Gently pull out and remove the battery easy-tear paper from the middle frame, making sure to take your time and carefully clean any remnants.



Battery easy-tear paper

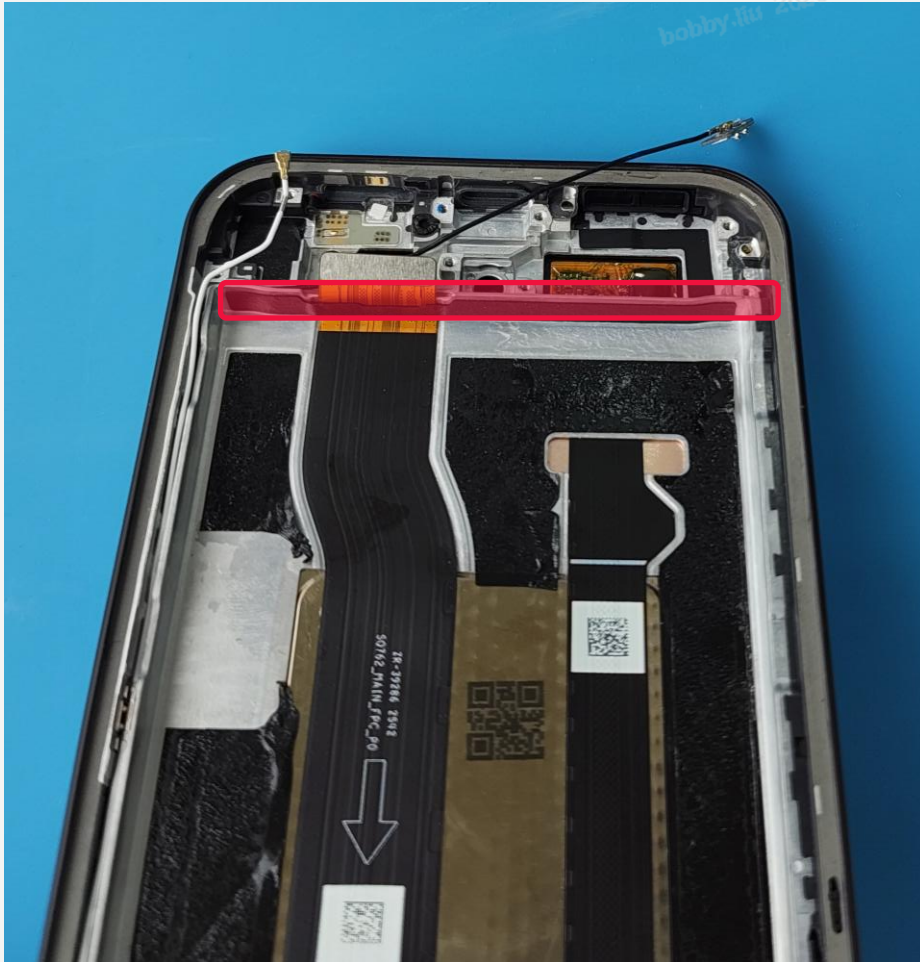
bobby.liu 2026-02-12 Nothing Tech

bobby.liu 2026-02-12 Nothing Tech

5. Disassembly - Display

bobby.liu 2026-02-12 Nothing Tech

Step 7: Use plastic tweezers to remove the foam at the bottom of the battery compartment.



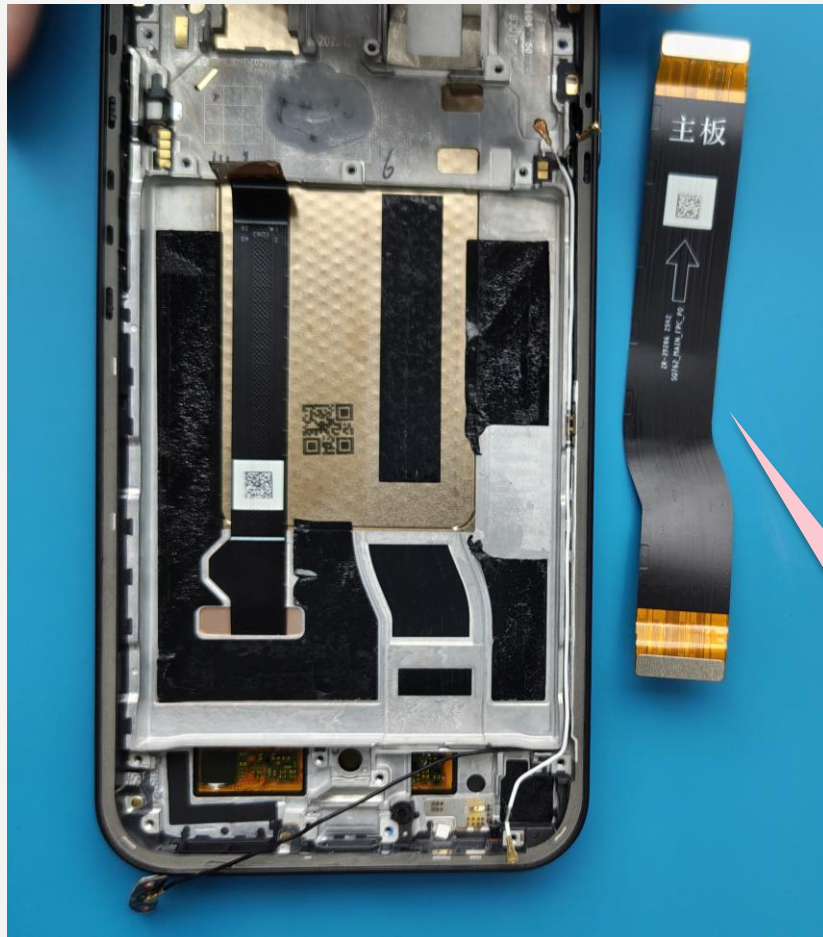
bobby.liu 2026-02-12 Nothing Tech

bobby.liu 2026-02-12 Nothing Tech

5. Disassembly - Display

bobby.liu 2026-02-12 Nothing Tech

Step 8: Starting from the direction of the mainboard, carefully and gently detach the Main FPCA from the middle frame. Make sure to handle the ribbons and connectors with care to avoid damaging any components. Use a plastic pry tool if necessary to assist in separating any delicate parts that may be firmly attached.



Main FPCA

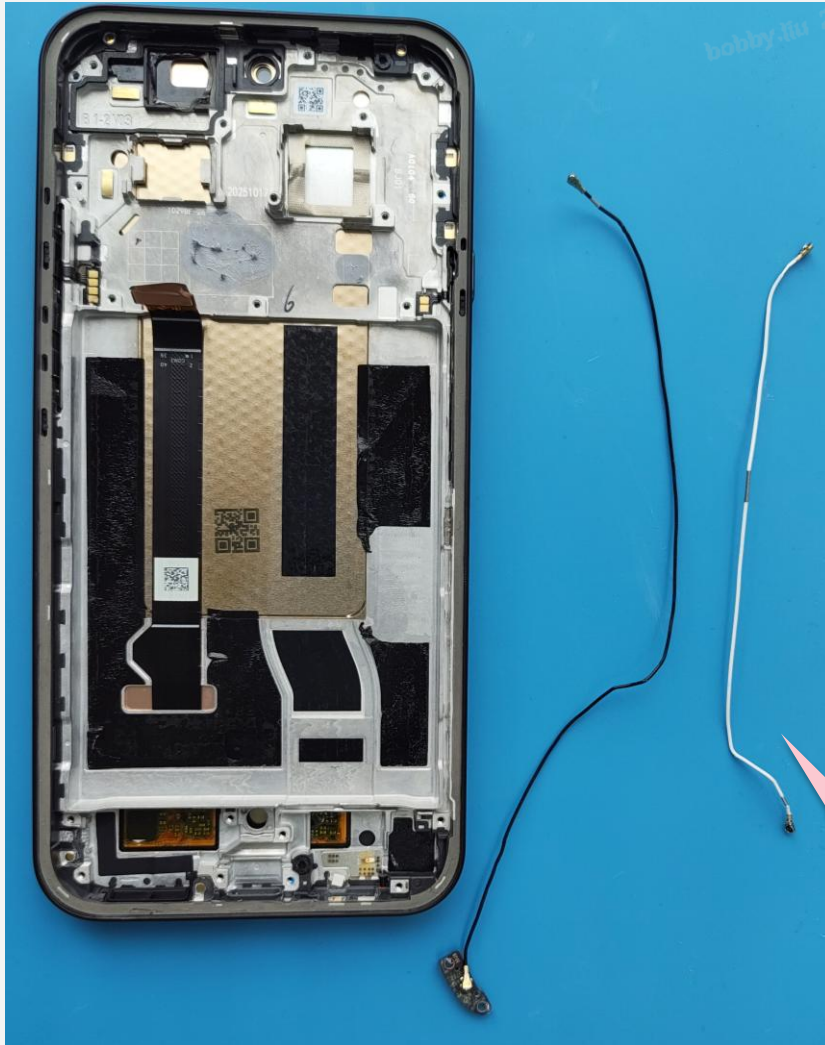
bobby.liu 2026-02-12 Nothing Tech

bobby.liu 2026-02-12 Nothing Tech

5. Disassembly - Display

bobby.liu 2026-02-12 Nothing Tech

Step 9: Remove the two RF cables from the grooves in the middle frame.



RF cables



Display

5. Disassembly - Side buttons

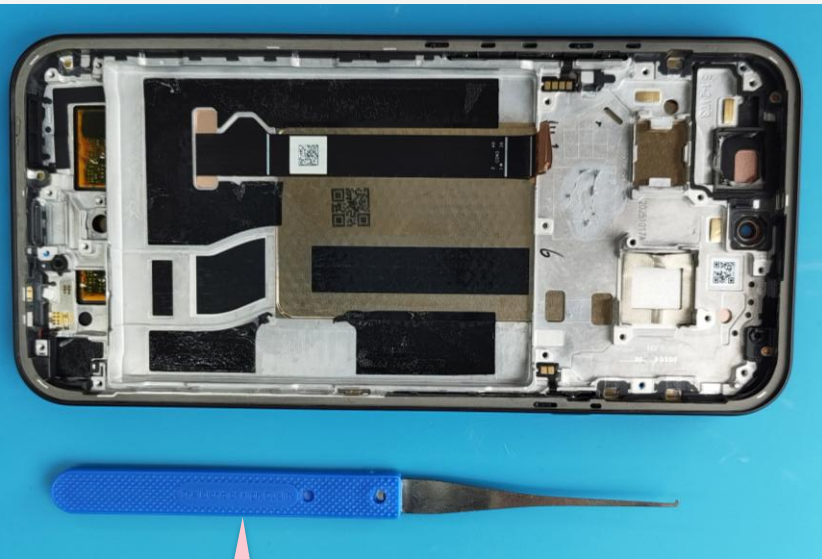
bobby.liu 2026-02-12 Nothing Tech

Remove the following part before you begin:

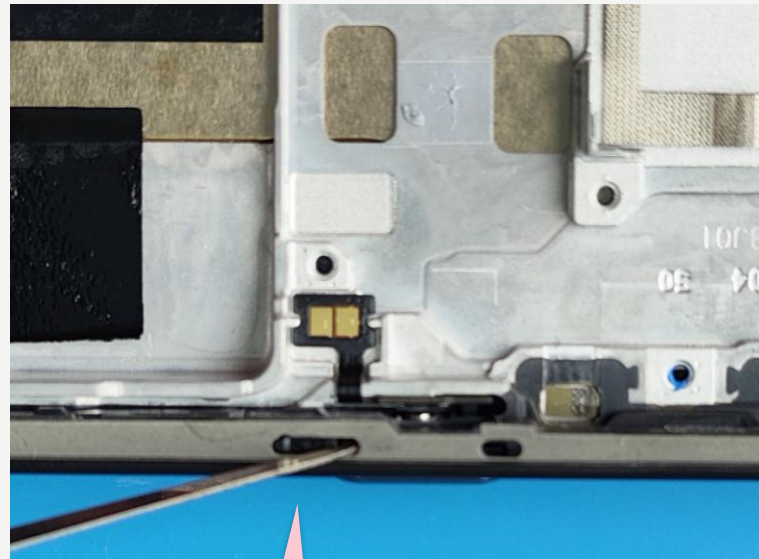
- Display

bobby.liu 2026-02-12 Nothing Tech

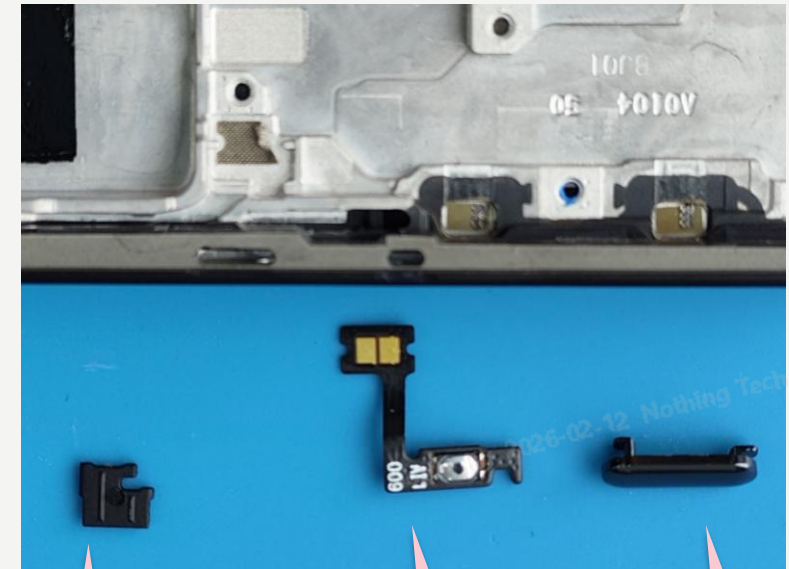
Step 1: Use an extractor to hook into the gap around the Plug and pull the Plug out forcefully, then remove the button and its FPCA.



Extractor



Hook into the gap
around the Plug



Plug

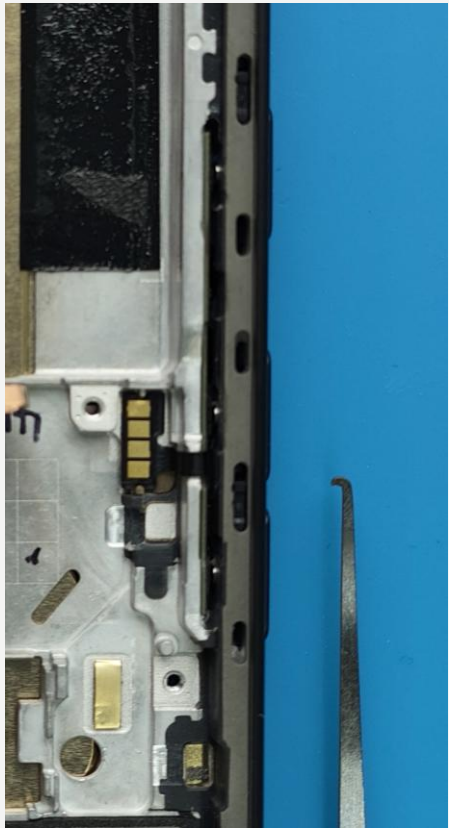
Power button
FPCA

Power button

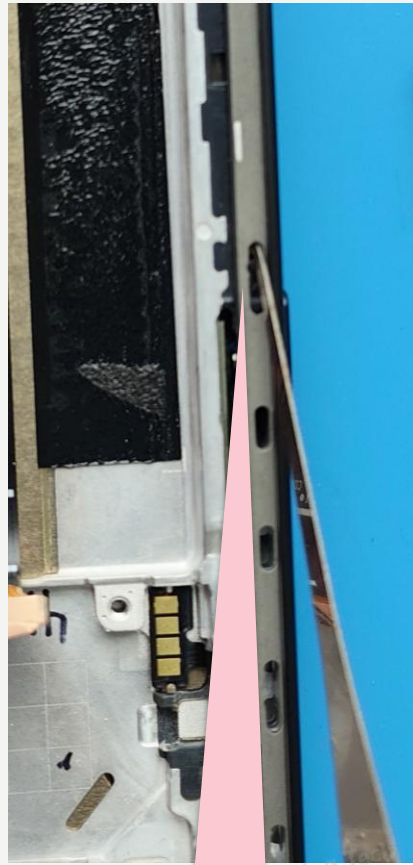
5. Disassembly - Side buttons

bobby.liu 2026-02-12 Nothing Tech

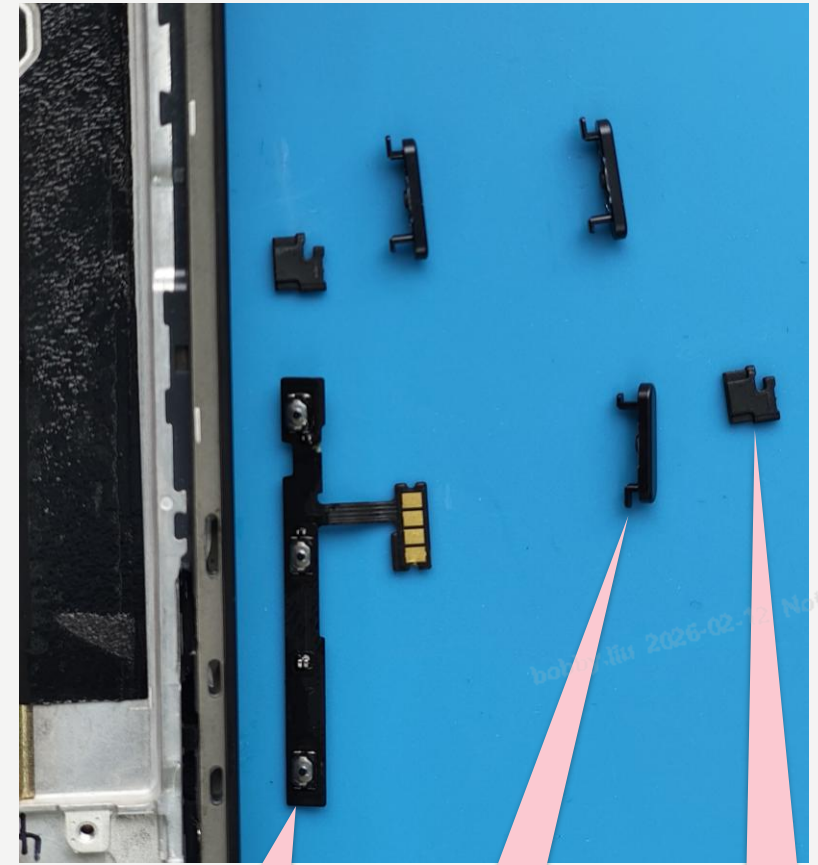
Step 2: Use an extractor to hook into the gap around the Plug and pull the Plug out forcefully, then remove the volume button and its FPCA.



Hook into the gap
around the Plug



Hook into the gap
around the Plug



Volume button
FPCA

Button

Plug

5. Disassembly - all parts of the device



6.Assembly



Caution

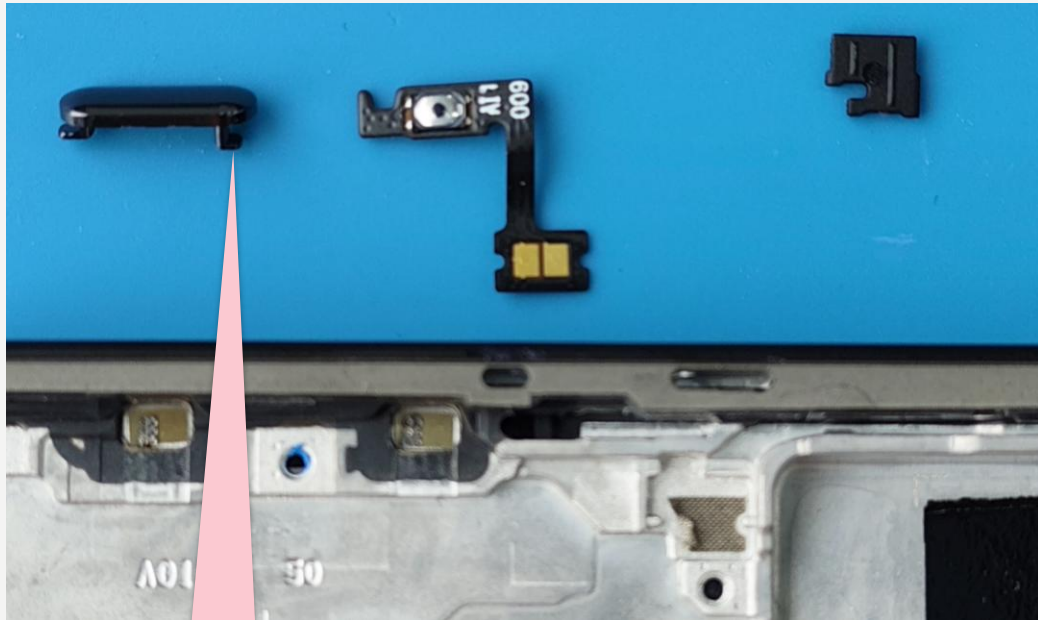
1. After removing all external parts, they must be inspected and confirmed to be OK before use. If there is any damage to the appearance, please replace them with new materials in time.
2. Because the battery cover is transparent, it is necessary to keep the inside of the battery cover clean. If there is any dirt, clean it promptly.
3. Pay attention to the color and position of the screws; screws of different colors are used for different phones. Do not use the wrong screws to avoid accidental damage.
4. Timely replace the old adhesive in the battery compartment and back cover adhesive.

6.Assembly - Side buttons

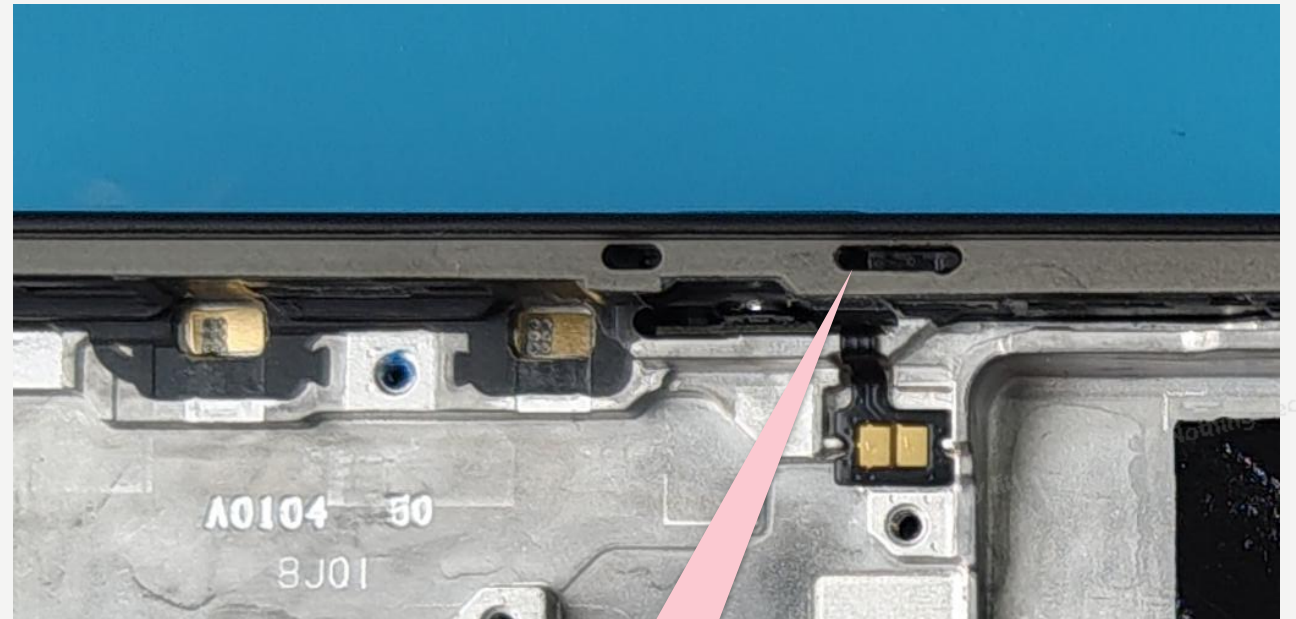
bobby.liu 2026-02-12 Nothing Tech

Step 1: Install the button FPC into the corresponding groove and take the button, press the long end of the button against the outside, and install the long leg side against the plug.

bobby.liu 2026-02-12 Nothing Tech



The long-leg side of the switch/button



The long-leg side of the switch/button

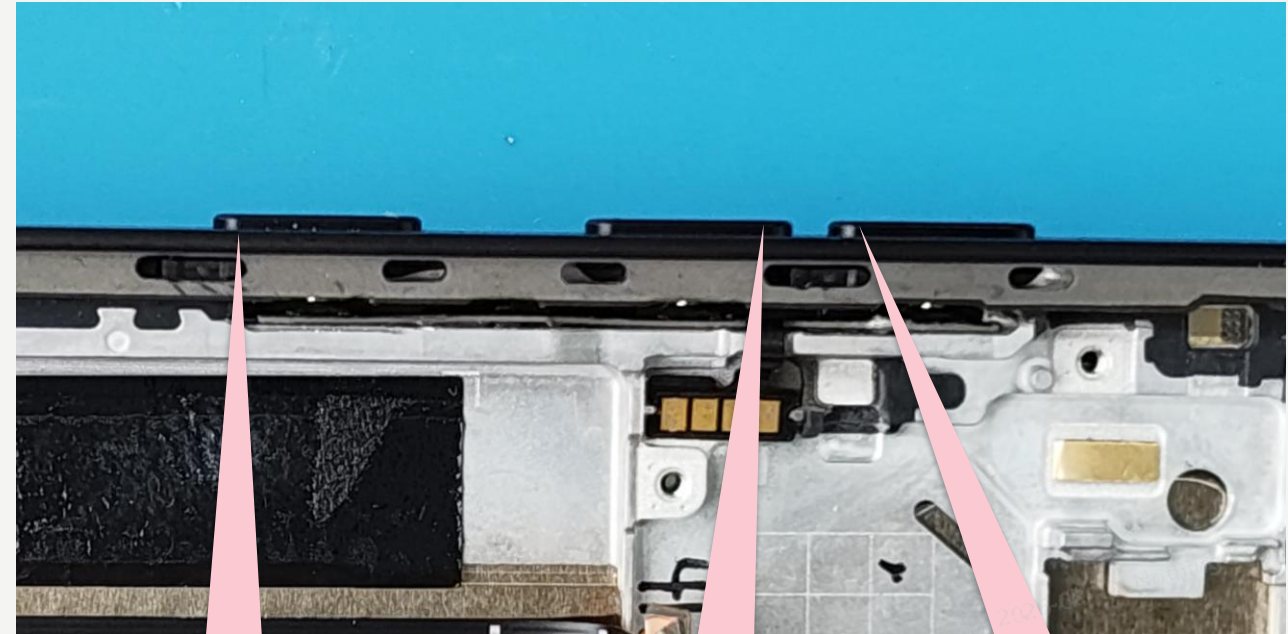
bobby.liu 2026-02-12 Nothing Tech

6.Assembly - Side buttons

bobby.liu 2026-02-12 Nothing Tech

Step 2: Install the button FPC into the corresponding groove and take the volume buttons, press the long end of the button against the outside, and install the long leg side against the plug.

bobby.liu 2026-02-12 Nothing Tech



The long-leg side of the switch/button

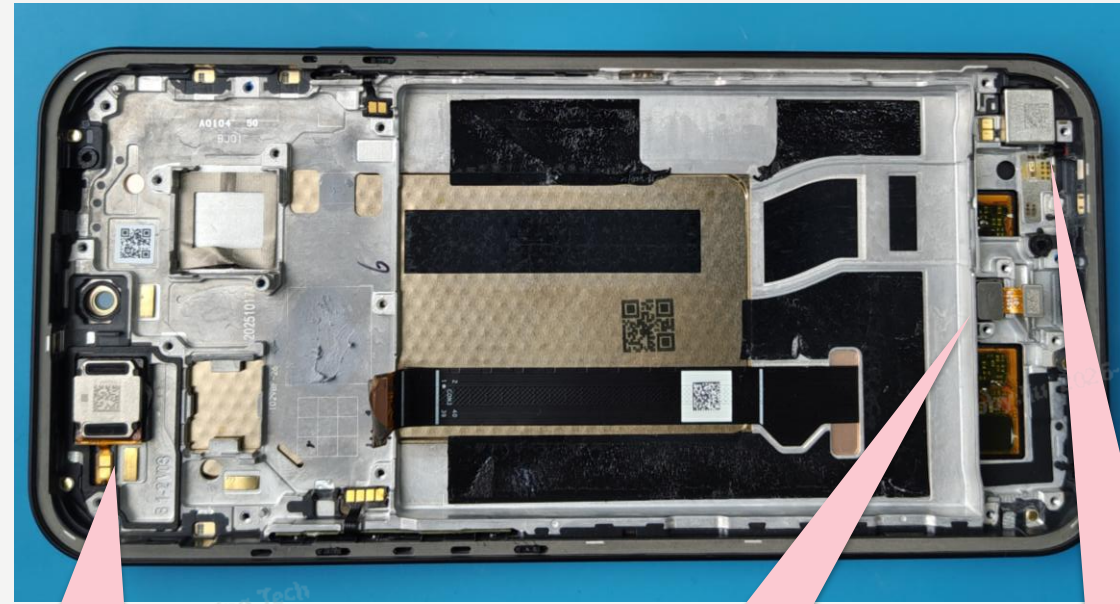
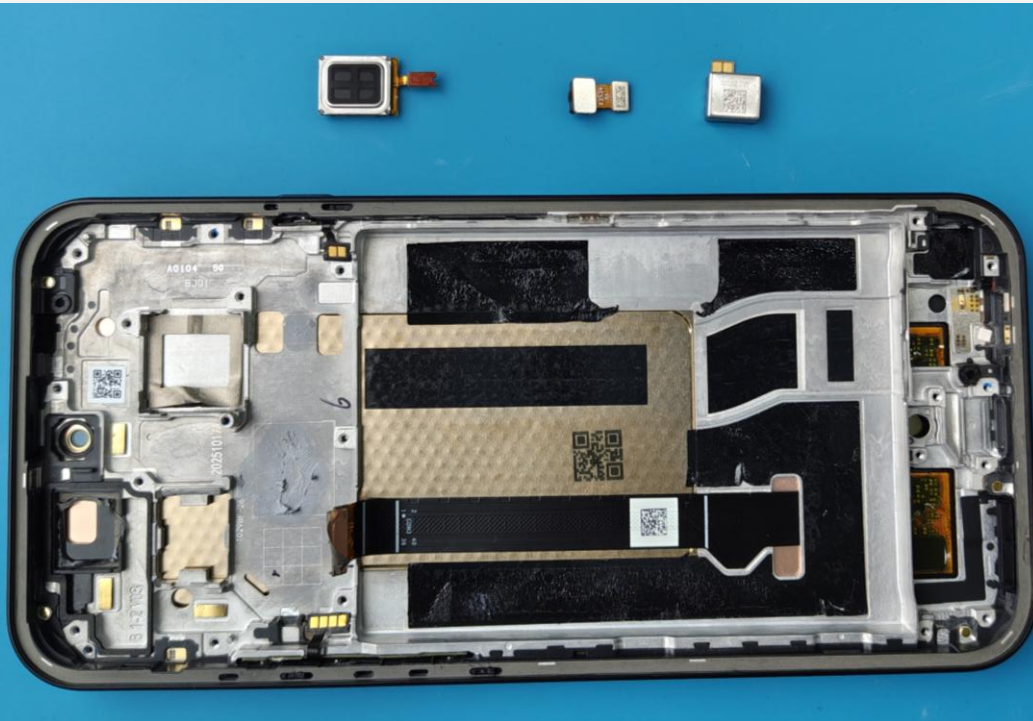
The long-leg side of the switch/button

The long-leg side of the switch/button

bobby.liu 2026-02-12 Nothing Tech

6.Assembly – Receiver & Fingerprint & Vibration motor

Step 1: Inspect all parts for visible damage. Remove any release/anti-stick liners from the midframe. Then install each component into its designated slot on the midframe: - Receiver: place into the slot, use tweezers to align the receiver PAD with the positioning slots, press the flex-cable adhesive with your fingertip to set it, and verify the receiver is flat and not lifted or misaligned. - Vibration motor: seat it in the grooves, press firmly with your fingertips to secure adhesion. - Fingerprint FPC/sensor: check the FPC for breaks, align the sensor to its spot on the midframe, and install it securely. Finally, do a visual check that all components are correctly aligned and firmly seated.



Receiver

Fingerprint

Vibration motor

6.Assembly – Mainboard

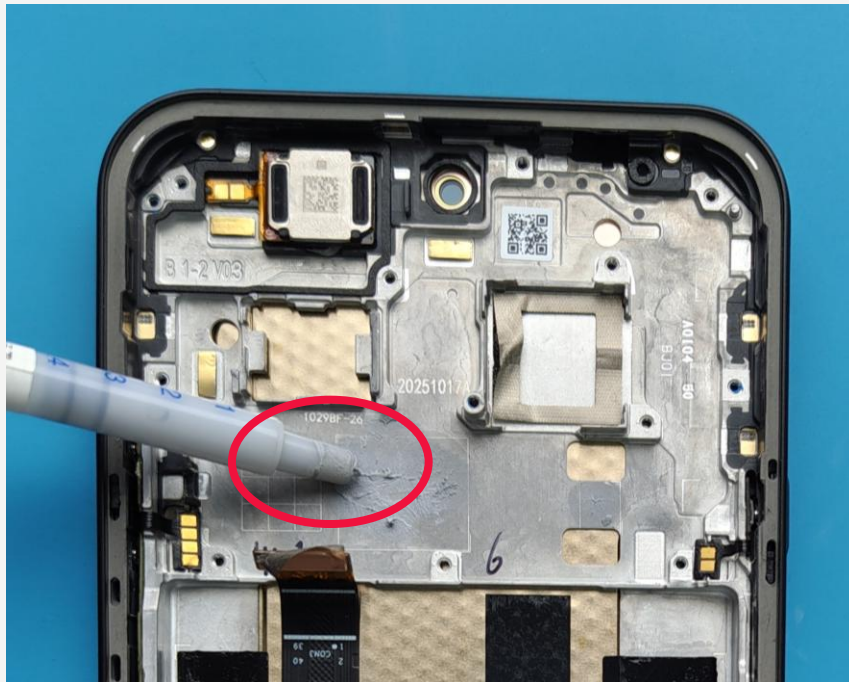
bobby.liu 2026-02-12 Nothing Tech

Step 1: If the mid-frame does not have thermal paste, you need to apply thermal paste evenly to the corresponding areas on the frame. If there is existing thermal paste on the mid-frame but it is not evenly spread, you may choose to either add more paste to achieve an even application or thoroughly remove the old thermal paste and then reapply a new, even layer.



Caution

Please apply it within the area marked by the red frame. Do not go beyond the marked range to avoid causing malfunctions.



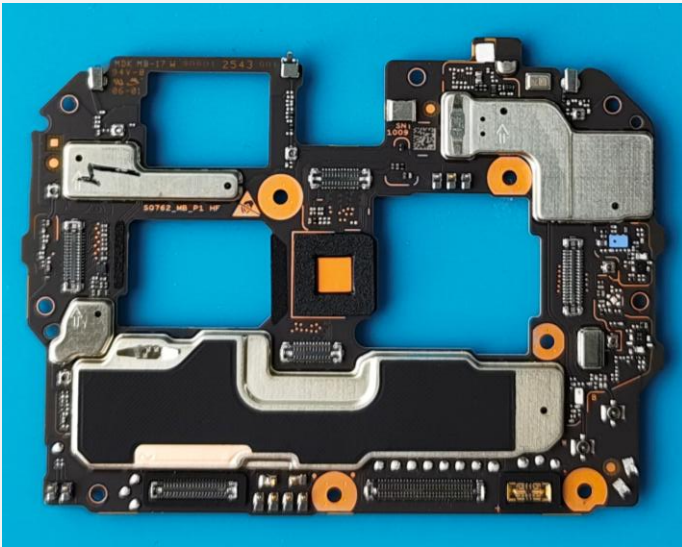
bobby.liu 2026-02-12 Nothing Tech

bobby.liu 2026-02-12 Nothing Tech

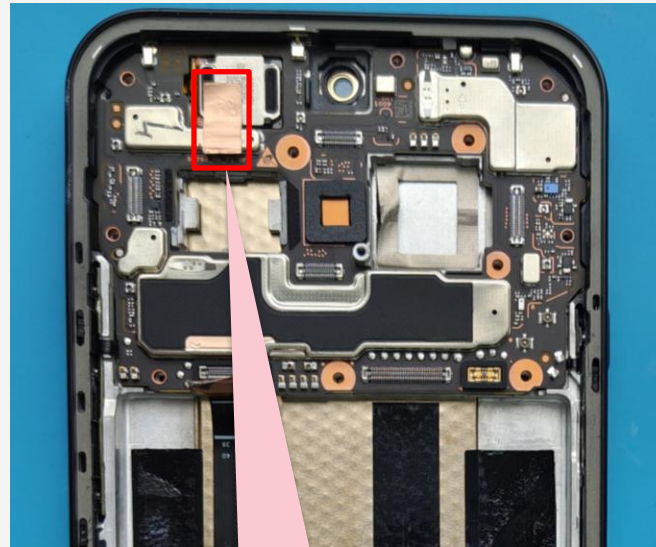
Thermal paste

6.Assembly – Mainboard

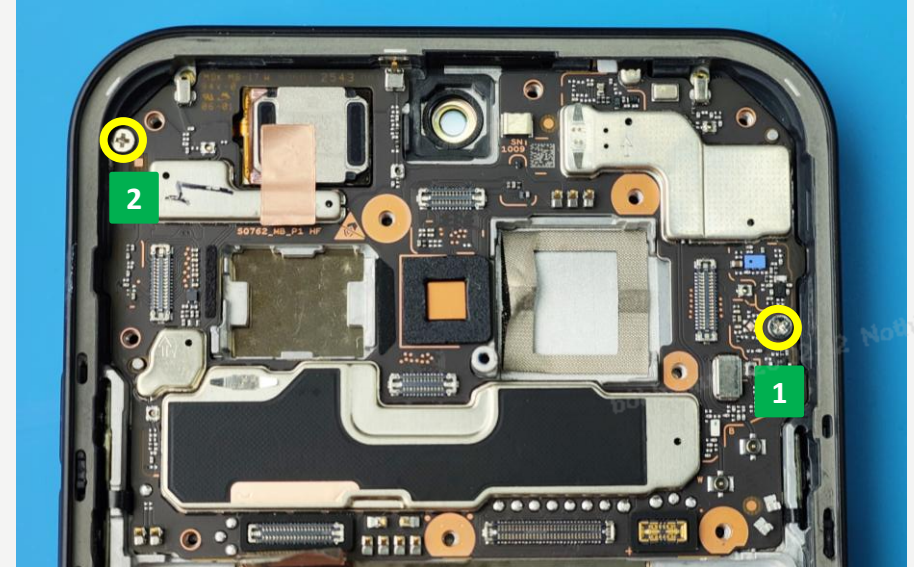
Step 2: For a new mainboard, first, remove the release paper from both sides by carefully peeling it off. Hold the mainboard securely by gripping both the top and bottom edges near the center. Align the light sensor located on the right side of the mainboard with the corresponding sensor area on the middle frame. While keeping the right side slightly elevated, align the top part with the top edge of the middle frame. Then, gently lower the mainboard into place, ensuring that the alignment pegs on the middle frame fit precisely into their corresponding holes on the mainboard. Then use a PH00 (Phillips) screwdriver to tighten the two screws on the mainboard.



Mainboard



Press the copper foil
between the receiver
and the mainboard



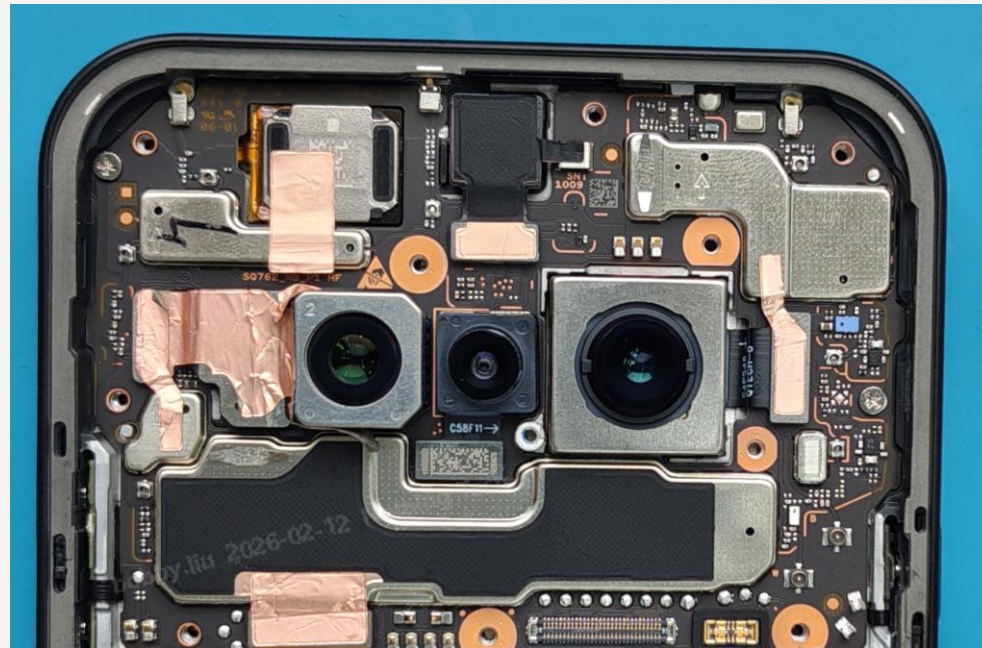
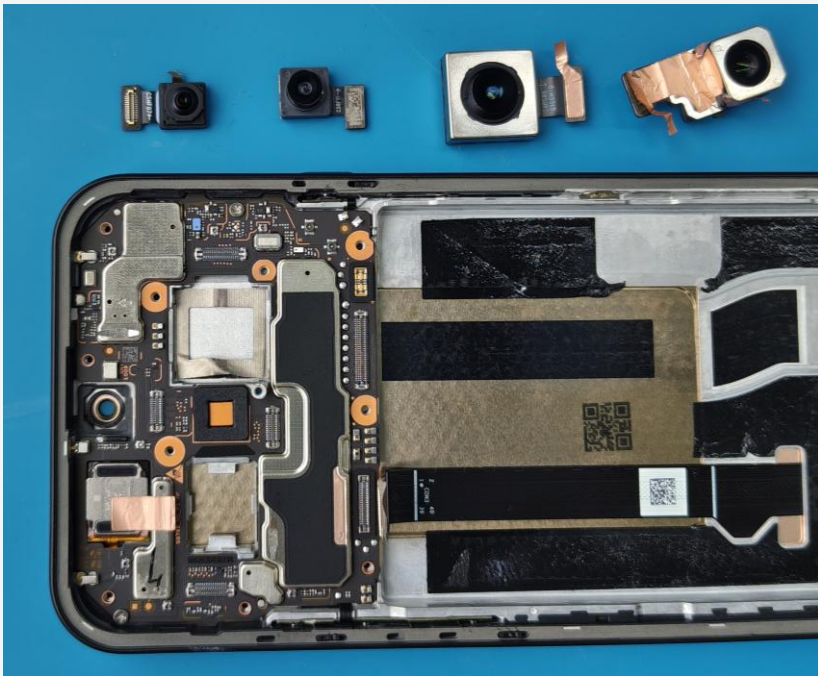
6.Assembly – Cameras

bobby.liu 2026-02-12 Nothing Tech

Step 1: Peel off the release paper from the front-camera bracket and inspect the front-camera hole for white spots, lint, or dirt. Check the front camera's flex cable and connector for damage or deformation. Pre-align the BTB connector, insert the front camera into the mid-frame bracket vertically, and press down on the center of the reinforcement plate until you hear a click. Inspect the rear cameras for scratches, lint, white spots, or white edges. For each rear camera, align it with its slot on the mid-frame, insert it vertically, and press down on the center of the reinforcement plate until it clicks to secure.

Notice

If you are going to replace the camera, please check whether the original camera had graphite sheets, copper foil, or similar attached. Be sure to attach them to the new camera and smooth them down by hand to ensure they are firmly adhered. During operation, please do not touch the camera lens to avoid causing damage.



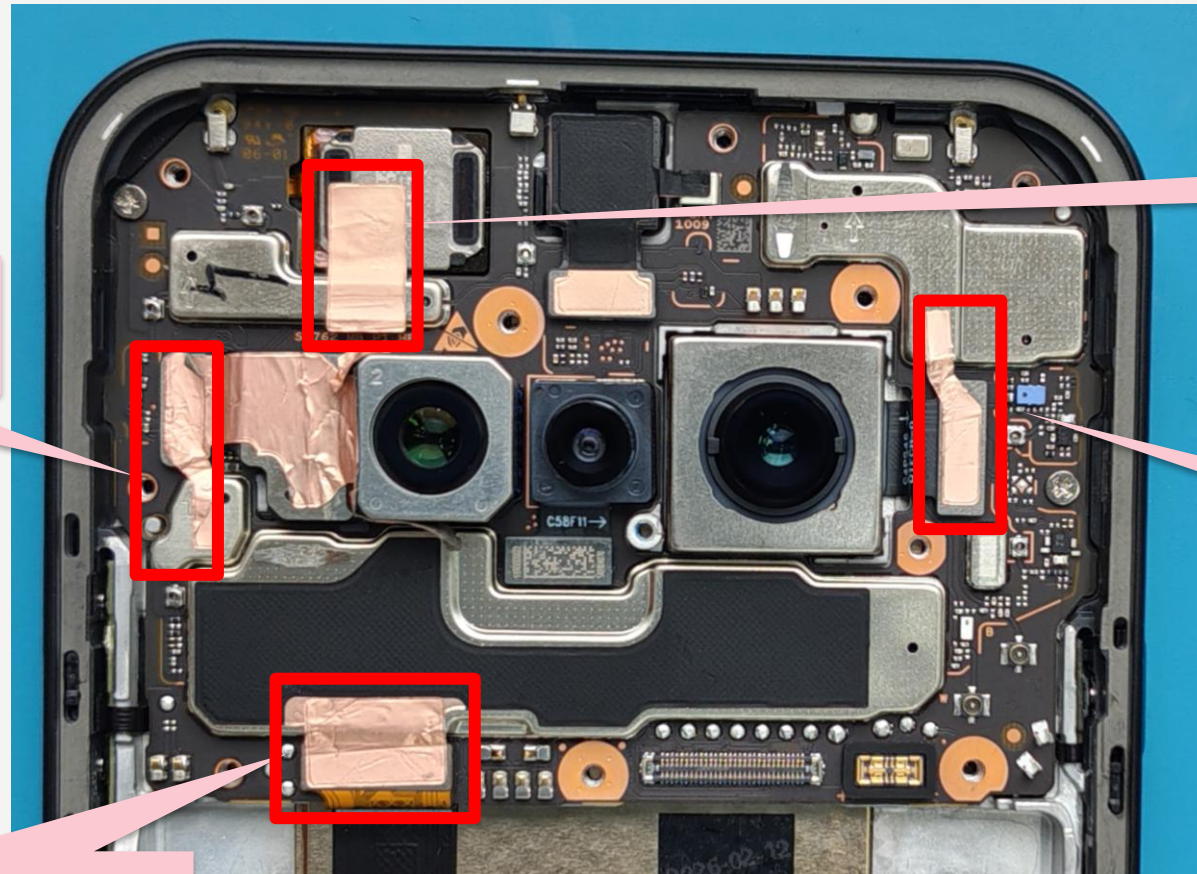
bobby.liu 2026-02-12 Nothing Tech

6.Assembly

bobby.liu 2026-02-12 Nothing Tech

Check accessory installation, replace any damaged parts promptly

bobby.liu 2026-02-12 Nothing Tech



SKU:750900026
Name:Receiver grounding copper foil_NT
Phone(4a)

SKU:750900024
Name:Telephoto BTB grounding copper
foil_NT Phone(4a)

SKU:750900024
Name:Telephoto BTB grounding copper
foil_NT Phone(4a)

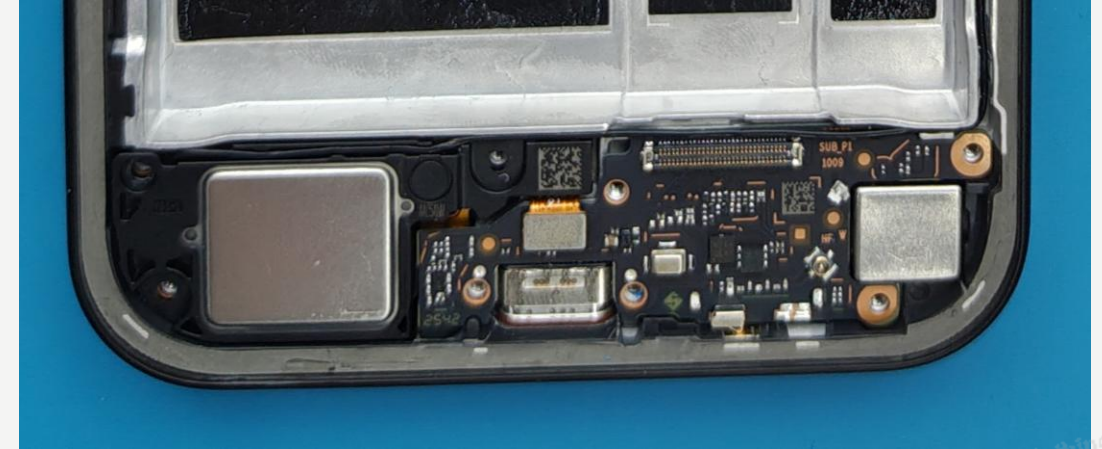
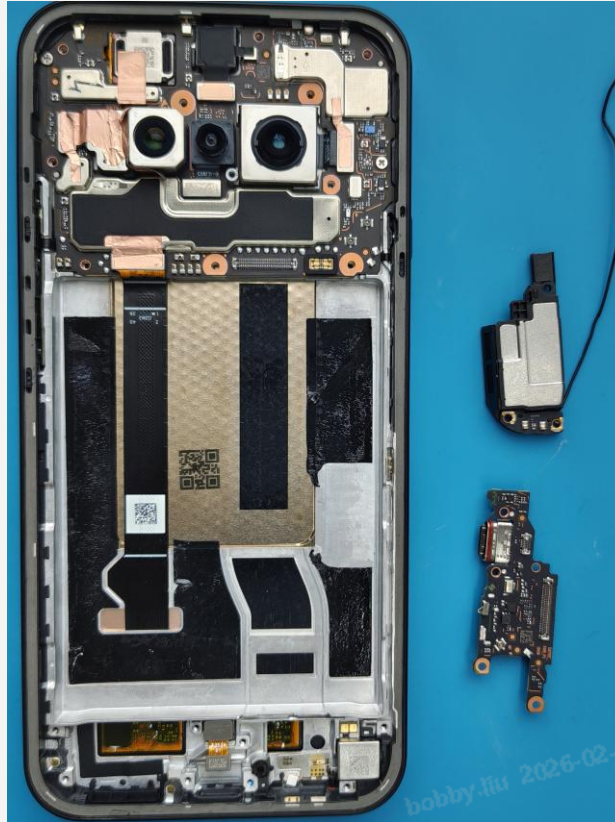
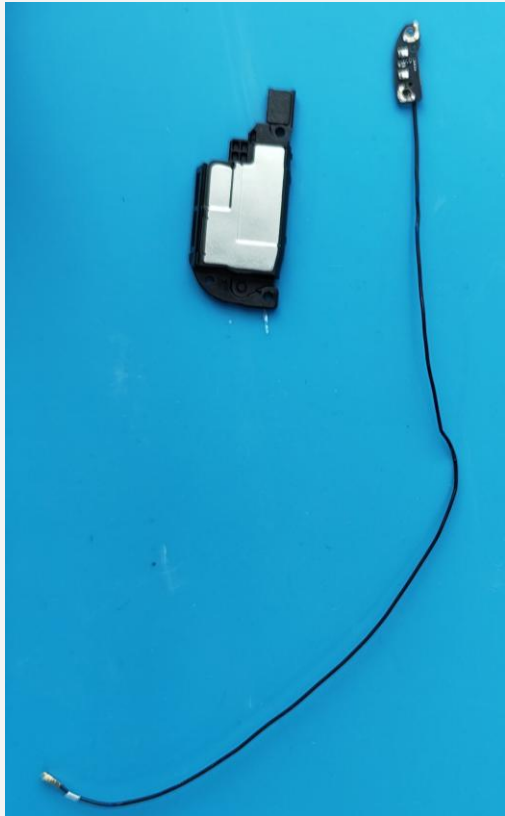
SKU:750900027
Name:Screen BTB grounding copper foil_NT
Phone(4a)

bobby.liu 2026-02-12

6.Assembly – Speaker & Sub board

bobby.liu 2026-02-12 Nothing Tech

Step 1: Insert the antenna board into the speaker's corresponding slot, then press down on both sides of the speaker and press to align the slot, ensuring the clip fully seats into the frame. Take the sub board. For the new sub board, first, remove the separating paper from the foam insulation by hand, lift the fingerprint FPC, tilt the sub board down about 30°, use the USB assembly to position and assemble the sub board, then align and level the positioning post into the middle frame.



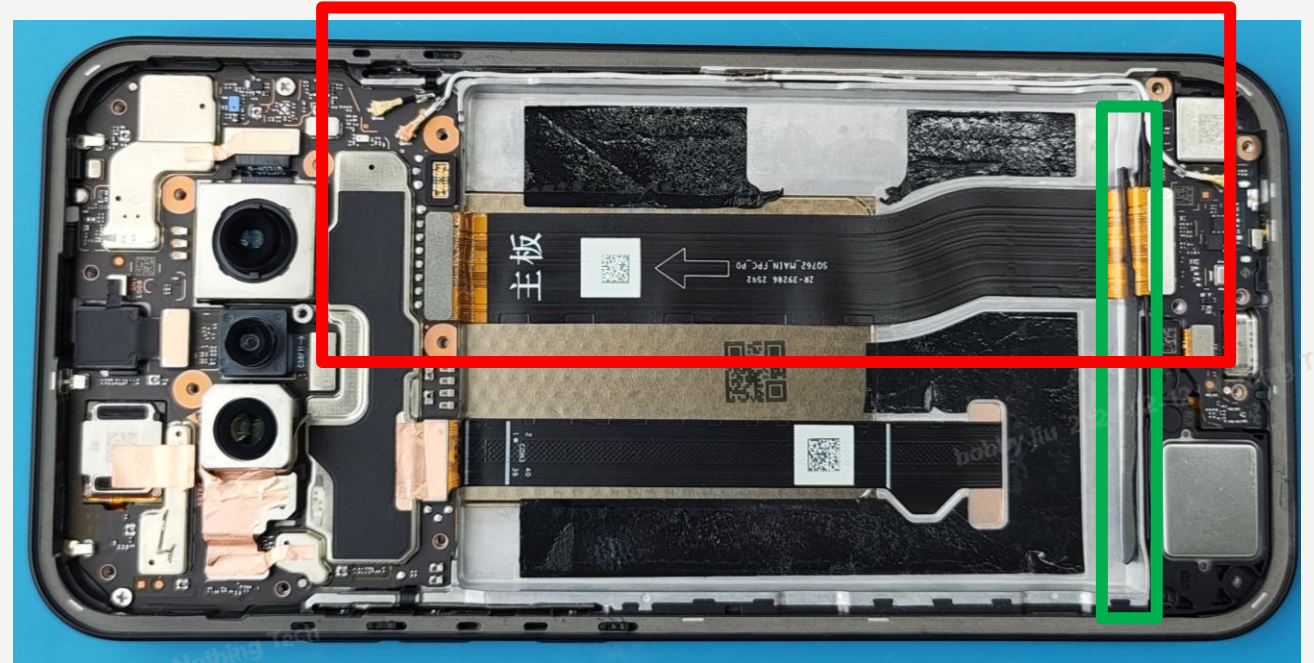
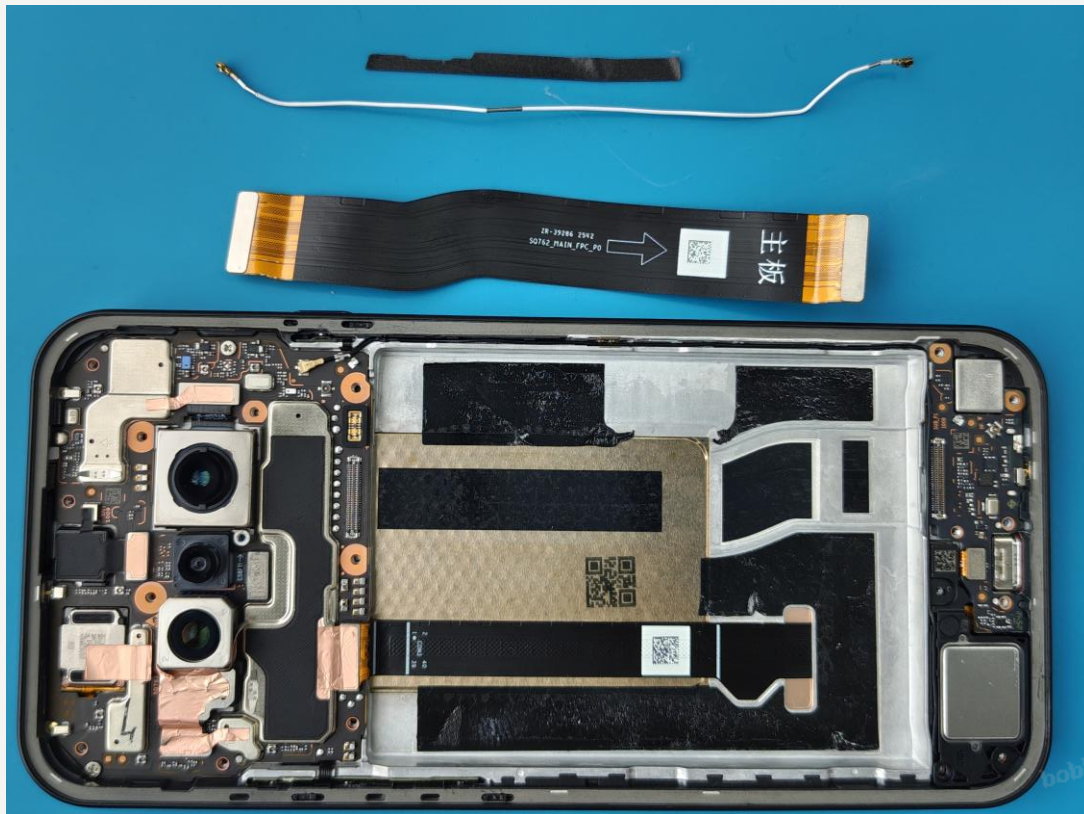
Notice

Check that the sub board is assembled flat without any lifting or missing components, and confirm that the positioning post is in the positioning hole.

bobby.liu 2026-02-12 Nothing Tech

6.Assembly – Main FPC & RF cable & foam

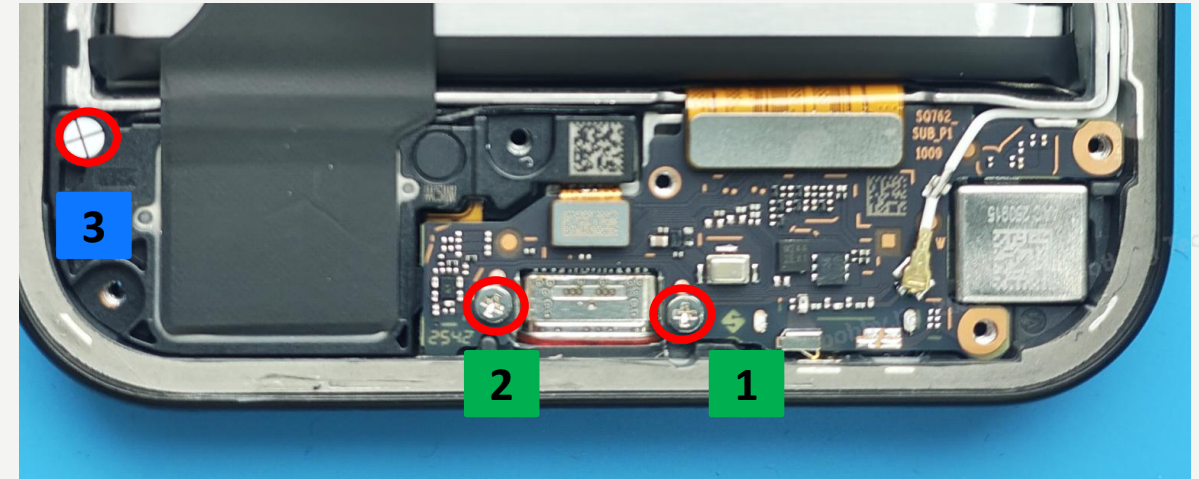
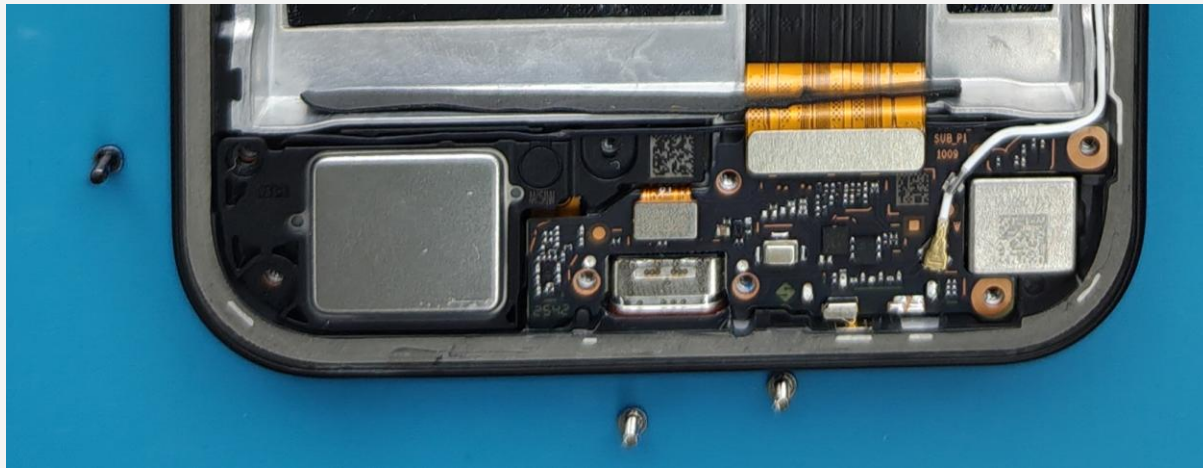
Step 1: 1. Install the Main FPC: align it with the mainboard BTB connector and press straight down until it clicks. Then align the other end with the sub-board BTB connectors and press each connector straight down until secure. 2. Connect the white RF cable: the end nearest the grounding ring snaps onto the mainboard RF port; the end farther from the ring snaps onto the sub-board RF port. Press each connector firmly until it clicks. 3. Route and secure the RF cable: tuck the sub-board end into the mid-frame cable clip, then do the same for the mainboard end so both are held neatly in their clips. 4. Attach protective foam: using tweezers, pick up the battery-bottom, align them with the marked line at the battery compartment.



6.Assembly – Screws & BTB

bobby.liu 2026-02-12 Nothing Tech

Step 1: Use a PH00 screwdriver to insert and secure 3 screw into the sub board to ensure it is firmly fixed in place. Align the fingerprint BTB with the connector on the sub board. Press the fingerprint BTB connector firmly and vertically using your finger pads to ensure a secure connection.



bobby.liu 2026-02-12 Nothing Tech

6.Assembly – Battery



Warning

Before assembling the battery, it is essential to prioritize safety and quality. Batteries that have been previously disassembled must not be used under any circumstances. Should you encounter such batteries, they must be replaced with new ones immediately.



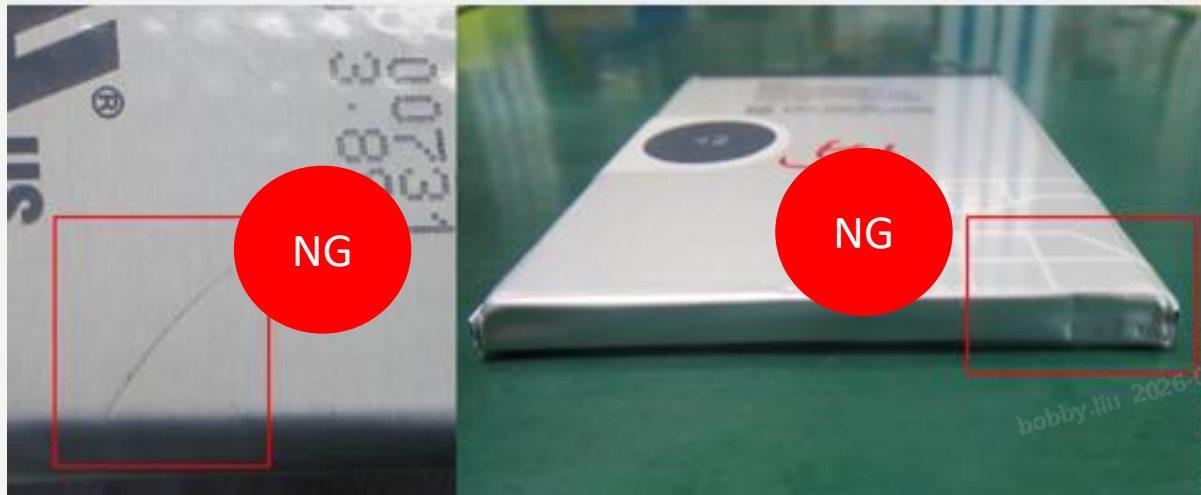
6.Assembly – Battery



Warning

Before assembling the battery, it is essential to prioritize safety and quality. Batteries that have been previously disassembled must not be used under any circumstances. Should you encounter such batteries, they must be replaced with new ones immediately.

Prior to installing a new battery, conduct a thorough inspection of its exterior. Look for any signs of damage such as punctures, scratches, or leakage. If any such defects are found, the battery should not be used, and a new battery should be installed instead..



6.Assembly – Battery

Step 1: Before installing the battery, ensure that the inside of the mid-frame battery compartment is free from screws, sharp objects, or any other foreign matter to prevent puncturing the battery and causing safety hazards.

Carefully handle the battery and place it centered vertically in the battery compartment. Gently press the battery to establish firm contact with the adhesive on the mid-frame underside. Finally, connect the battery BTB connector to the designated port on the mainboard.



Battery



6.Assembly – Mainboard bracket & Speaker sheet

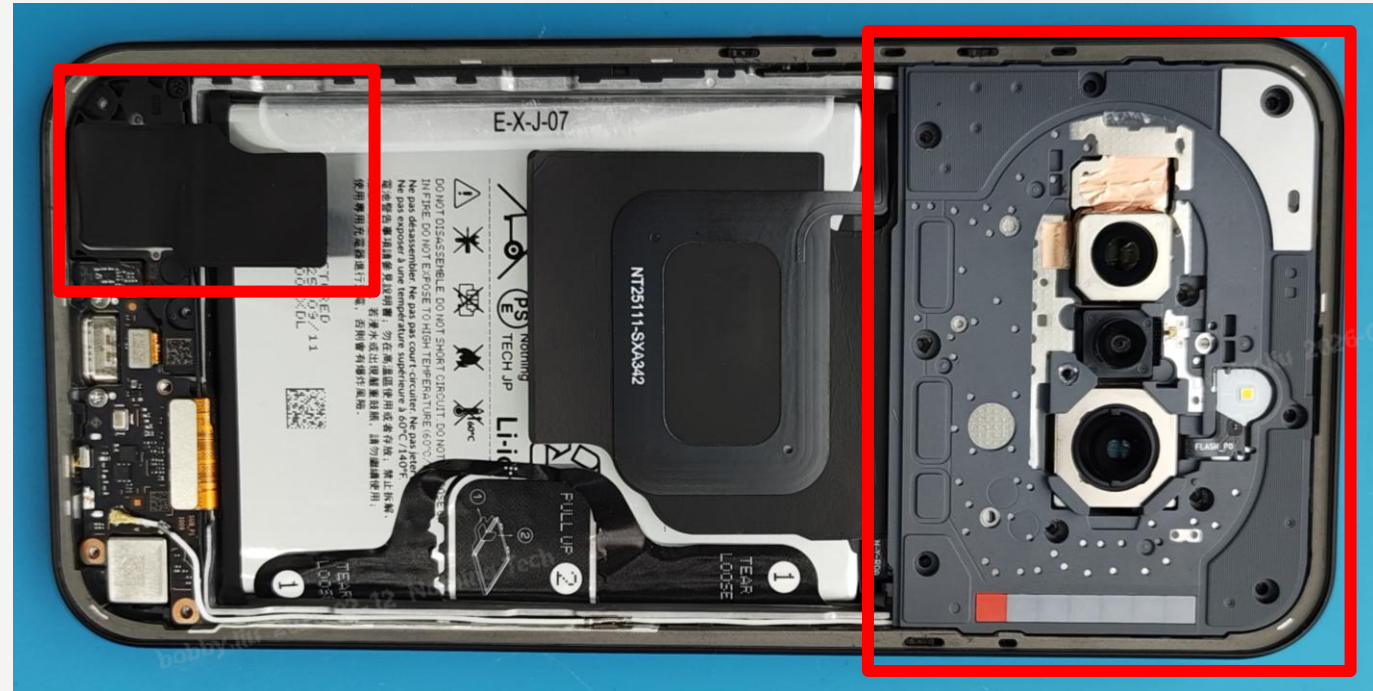
bobby.liu 2026-02-12 Nothing Tech

Step 1: Inspect the mainboard bracket for damage (broken parts, adhesive residue), dirt, scratches, and confirm the graphite sheet is intact.

To install:

1. Tilt the top of the bracket down and align the top-left corner with the frame slot; slide the top clip into the mid-frame.
2. Flatten the bracket, press the left clip until it clicks, then press the right clip.

Finally, apply the graphite sheet to the speaker.



6.Assembly – Battery cover & SIM tray

Step 1: Inspect the battery holder decorative for any scratches, dirt, or other imperfections. After ensuring it is clean and undamaged, carefully align the battery holder decorative with the mid-frame. Once aligned, use your hands to gently press and snap the side clips into place, ensuring a secure fit. Then insert the SIM tray into the corresponding slot on the phone

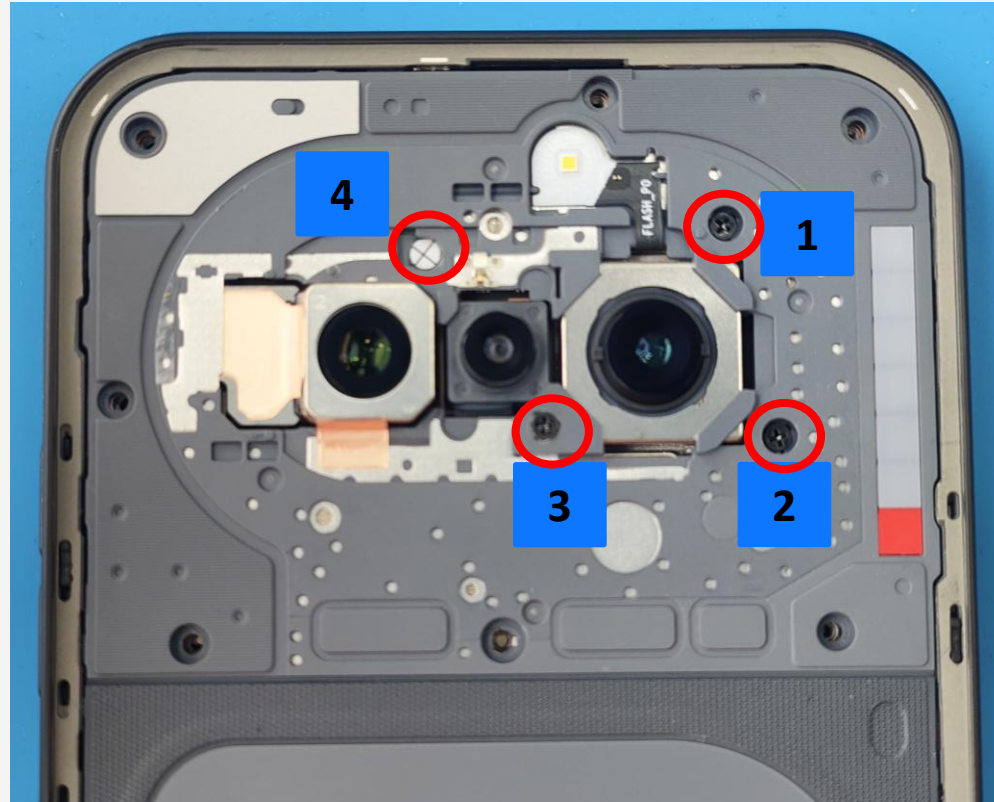
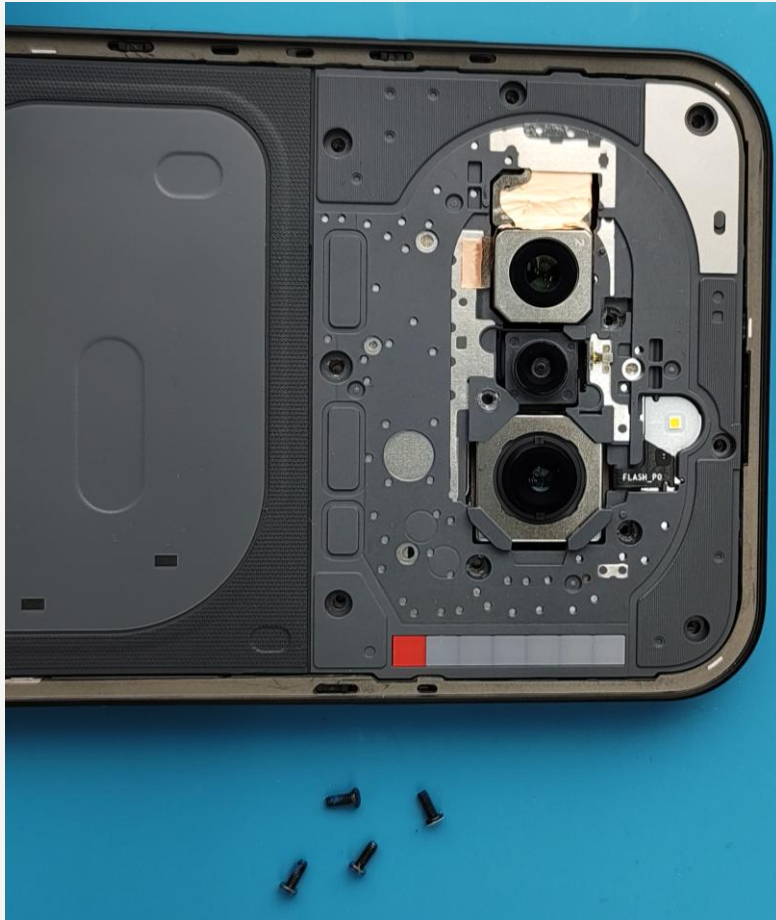


6.Assembly – Screws on mainboard side

bobby.liu 2026-02-12 Nothing Tech

Step 1: Use a PH00 screwdriver to insert and secure 4 screw into the mainboard bracket to ensure it is firmly fixed in place.

bobby.liu 2026-02-12 Nothing Tech

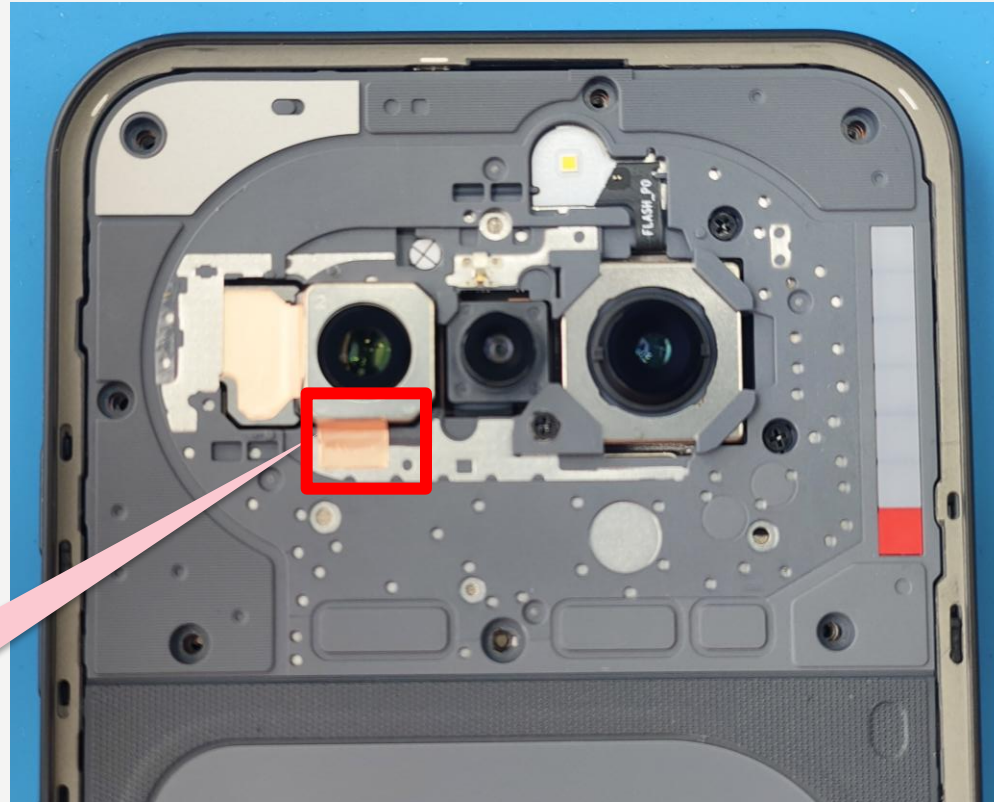


bobby.liu 2026-02-12 Nothing Tech

bobby.liu 2026-02-12 Nothing Tech

6.Assembly

Check accessory installation, replace any damaged parts promptly



SKU:750900025
Name:Wide-angle BTB grounding copper
foil_NT Phone(4a)

6.Assembly – Decorative panel

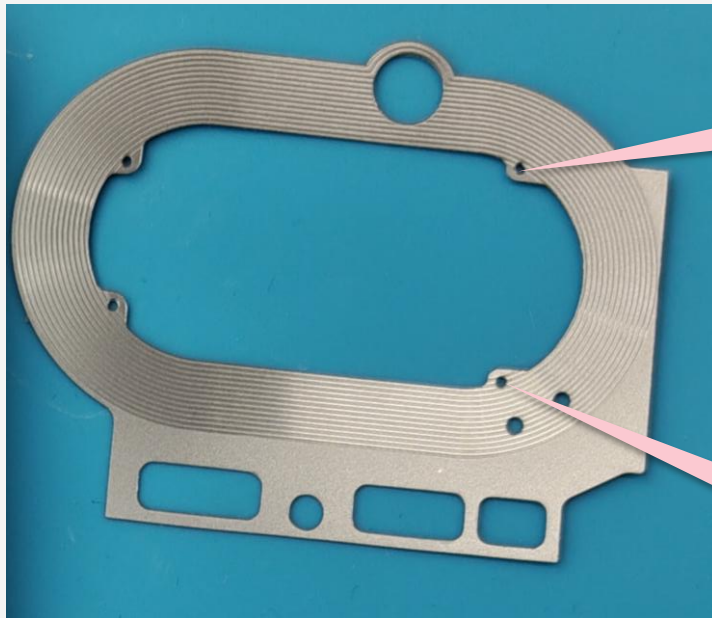
bobby.liu 2026-02-12 Nothing Tech

Step 1: Take the decorative panel and inspect it thoroughly. Ensure its surface is free of deformation, scratches, or stains. Using the four positioning holes as reference points, carefully and slowly place the trim panel into place. Ensure it is installed accurately and does not extend beyond the boundaries of the circular groove.



Notice

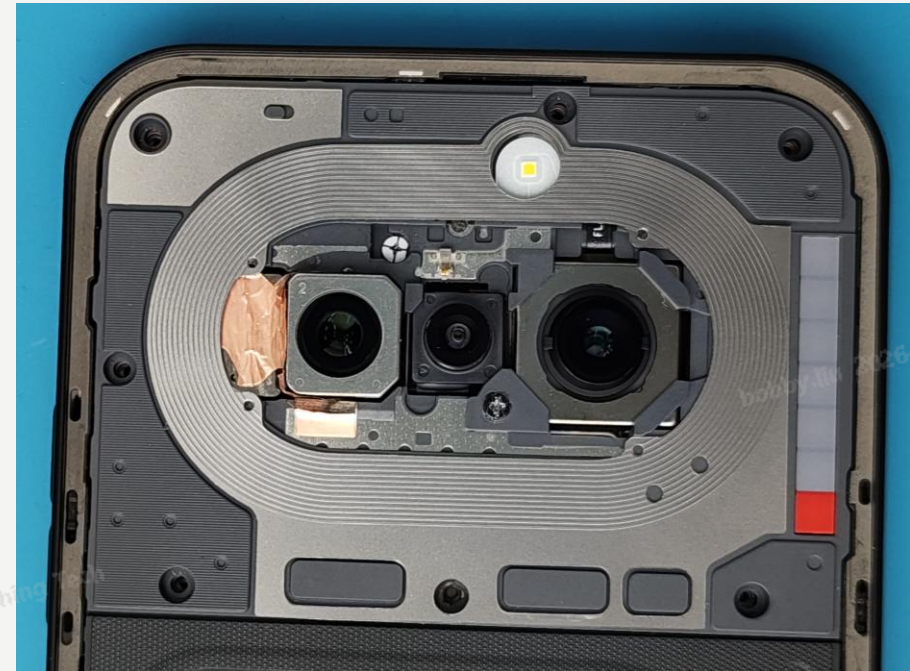
This material is fragile. If you notice any deformations, scratches, or dirt, replace it immediately with a new piece to maintain repair quality.



Positioning holes

Positioning holes

Decorative panel



bobby.liu 2026-02-12 Nothing Tech

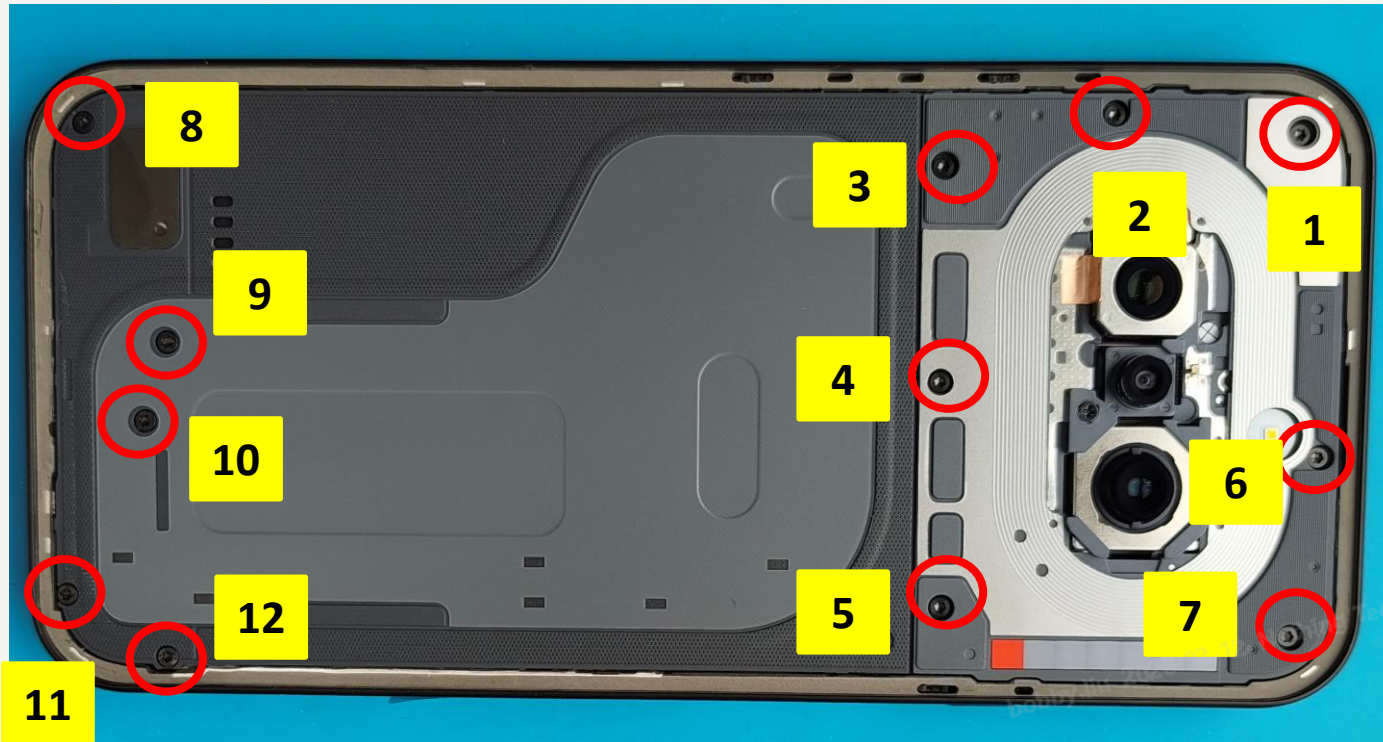
bobby.liu 2026-02-12 Nothing Tech

6.Assembly – Screws on mainboard side

bobby.liu 2026-02-12 Nothing Tech

Step 1: Using a T5 screwdriver, systematically assemble the 12 hexagon socket flat head screws shown in the diagram

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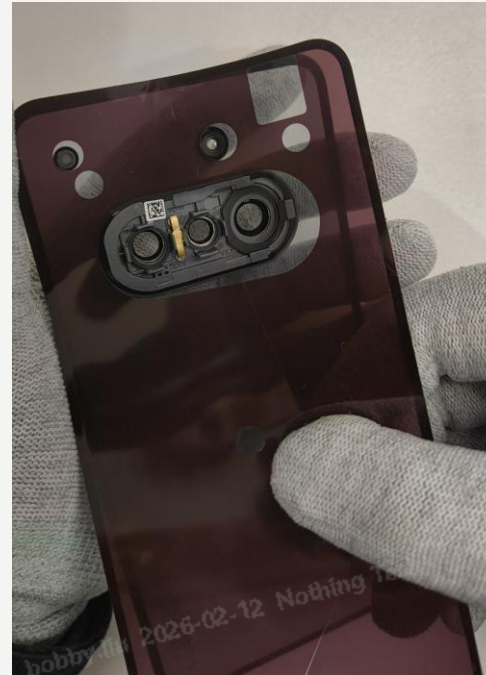
6.Assembly – Back cover

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Step 1: Check and thoroughly clean the middle frame where the adhesive for the back cover will be applied. Remove any remaining adhesive residue to ensure a smooth application surface for the back cover. This preparation will ensure the back cover sits properly and is securely attached. Use tweezers to pick up any remaining adhesive on the cover and clean off the residue to ensure a smooth surface for the new adhesive. Take the new double-sided back cover adhesive, hold the back cover with one hand and the adhesive with the other. Carefully align the top edge of the adhesive with the upper edge of the back cover, pressing it gently into place. Gradually work your way around, carefully positioning and adhering the adhesive to the remaining edges and sections of the cover. Use your thumb to apply slight pressure, circling around the edges to securely affix the adhesive.



Back Cover Adhesive



Notice

It's important to replace the adhesive promptly, as it helps protect the back cover from dust and other particles.

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6.Assembly – Back cover

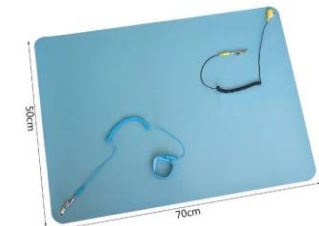
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Step 2: Before attaching the back cover, carefully check the interior of the device to ensure there are no foreign objects, wrinkles, bumps, dirt, or any signs of lifting or irregularities. Remove all release films from the back cover. Align the top edge of the back cover with the top frame of the phone using your fingers to assist in precise positioning. Once properly aligned, slowly and gently press down on the rest of the back cover to secure it onto the mid-frame of the device.



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7.Tools list

NO	Item	Description	Quantity	Image
1	Dust free workbench	Provide a clean environment during the phone repair process to prevent dust particles from entering and affecting the phone's appearance.	1	
2	ESD mat	Prevents electrostatic damage (recommended)	1	
3	Safety Gloves	Prevents accidents during repair (protective equipment).	1	
4	Safety Goggles	Prevents accidents during repair (protective equipment).	1	

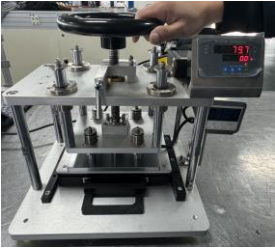
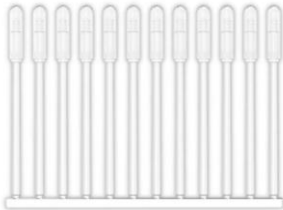
7.Tools list

NO	Item	Description	Quantity	Image
5	Heating bag	After preheating the heating bag at the microwave oven, the heating bag is used to disassemble the back cover and other components of the mobile phone	1	
6	Suction Cup	Use a strong suction cup with a handle to disassemble the back cover of devices.	1	
7	ESD Safe Plastic Tweezers	Tool for handling connectors, cables, and other parts. To avoid damaging parts or components, use tweezers made from plastic or rubber material instead of sharp metal tweezers.	1	
8	ESD Safe Metal Tweezers	When removing a vibrator motor, it is required to use the metal tweezers	1	

7.Tools list

NO	Item	Description	Quantity	Image
9	SIM tray ejector	SIM card tray ejector tool.	1	
10	PH00 Screwdriver	Tool for driving cross-head screws	1	
11	T5 Screwdriver	Tool for driving hexagon socket screws	1	
12	Nylon probe	The nylon probe is primarily used during phone repairs to safely open and separate connectors, preventing damage to internal components.	1	

7.Tools list

NO	Item	Description	Quantity	Image
13	Thermal gel	By applying to specific areas of the midframe, ensure that heat is rapidly conducted to prevent the device from overheating.	1	
14	Back Cover Pressure Holding Fixture	After replacing the back cover adhesive, apply pressure on both sides to activate the adhesive and improve the quality of the repair.	1	
15	Cleaning wipes	Used for cleaning during mobile phone repairs, removing dirt and residual glue from the device	1	
16	Dust Cleaning Stick	Used for cleaning during mobile phone repairs, removing dust from the device	1	

7.Tools list

NO	Item	Description	Quantity	Image
17	Acrylic Protective Tape for Broken Back Cover/Screen	Prevents injuries and scattering caused by broken back cover/screen	1	
18	Small straw	Controls alcohol drip to assist battery disassembly	1	
19	Extractor	Used to assist in disassembling button-type components.	1	
20				

7.Tools list



Warning

Non-professionals are prohibited from disassembling or repairing equipment with sharp tools without authorization. Before use, you must ensure that the tools are in good condition, wear necessary protective equipment (such as Safety Gloves and Safety Goggles), and operate in a stable and safe environment. In case of injury or equipment damage, stop operation immediately and take corresponding first-aid measures or treatments.

Cleaning wipes, thermal gel, and similar products may be irritant, corrosive, or toxic. If they accidentally get into the eyes or are ingested, they could cause severe harm to the human body, and immediate medical attention is required. For daily storage, they should be sealed, clearly labeled, and kept away from areas accessible to food, children, and pets.

Please place The Back Cover Pressure Holding Fixture on a stable and firm flat surface to avoid injuries caused by the fixture falling or shifting, and kept away from areas accessible to food, children, and pets.

Thank you!