

CMF Phone 2 Pro Repair Guide

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7/25/2025

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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)



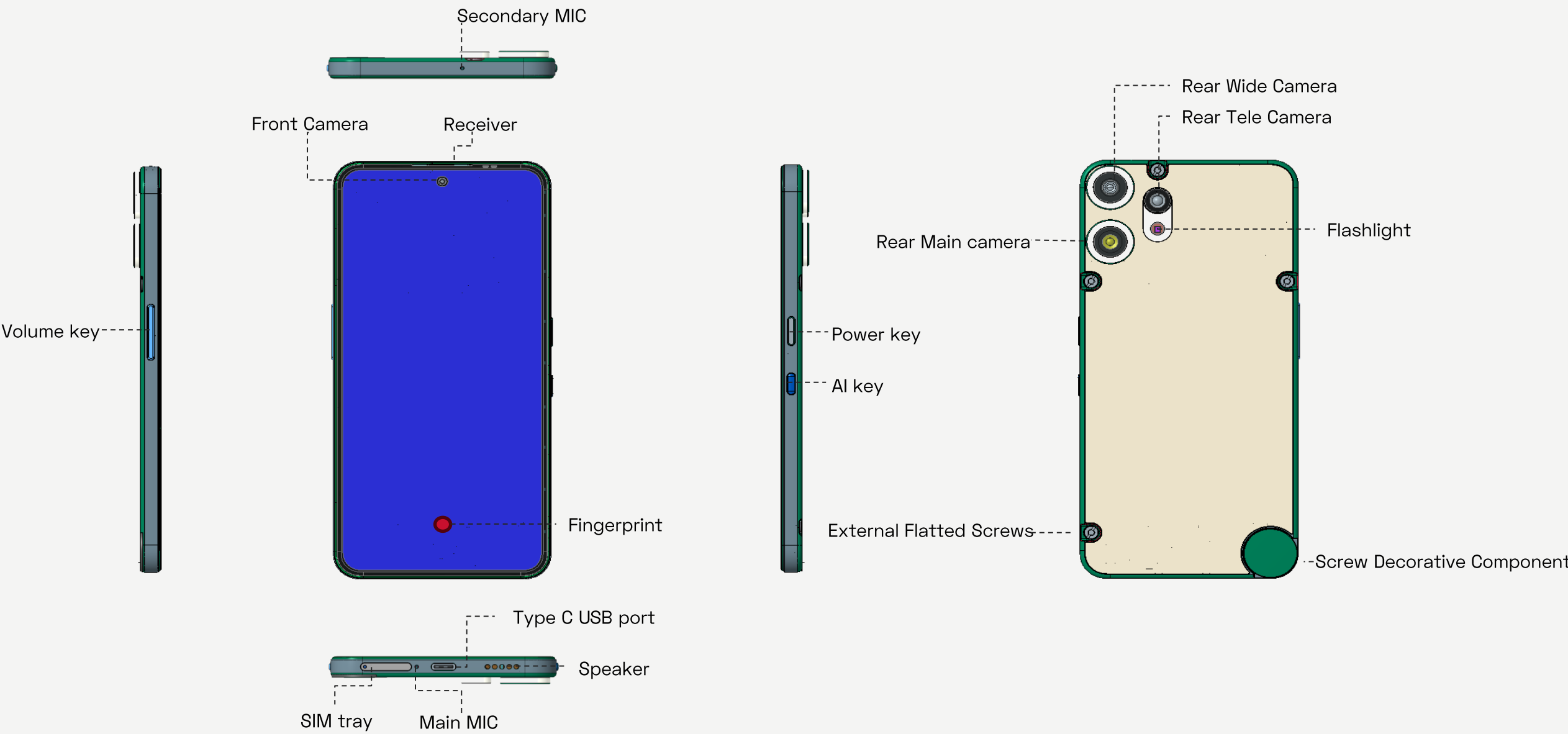
3. To prevent injury and debris from broken glass, apply the Acrylic Protective Tape.
4. Press down firmly on the Acrylic Protective Tape to ensure it adheres securely to the glass.Wait for at least 5 minutes to allow the acrylic protective cover to bond tightly with the glass.



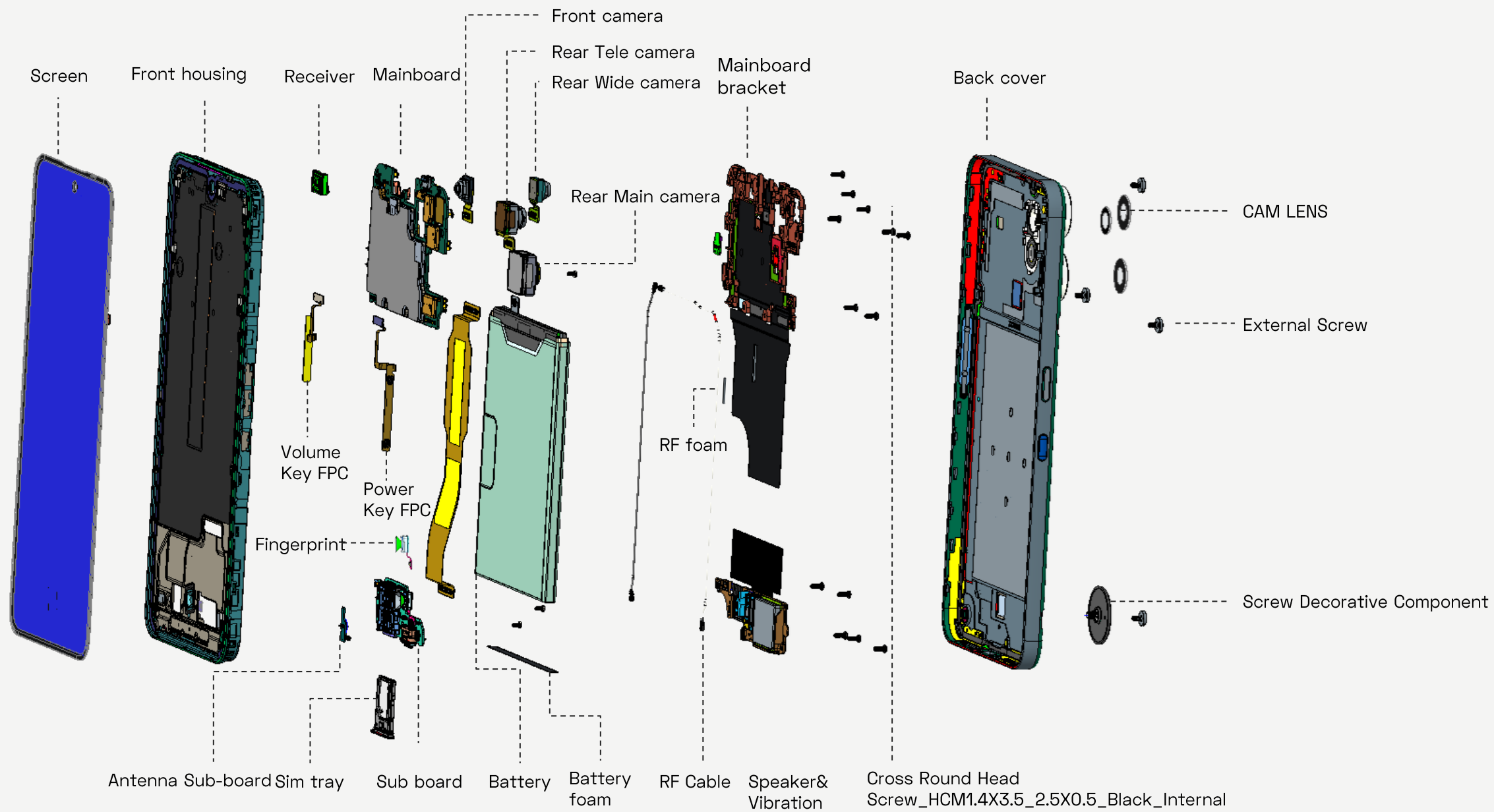
Warning

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.Product appearance



6.Product deconstructed view



7. Software Update

Updating Software through OTA
Update your device’s software through the firmware over-the-air (OTA) service.

1)Preparation

Content	Requirements
Device	Waiting for update (the phone can power on and work properly)
Network environment	Wi-Fi or 3G/4G/5G is connected to the Internet
Battery level	Battery level More than 50%.
Phone spare storage	Phone storage Above 3G

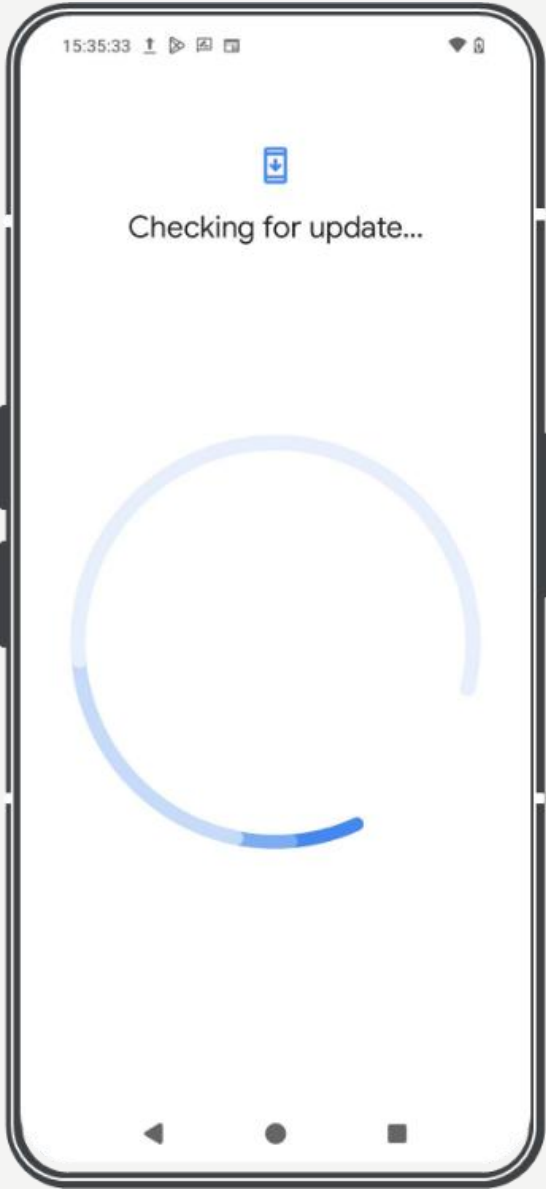
2)Update process

Turn on the phone and connect to the Internet using WiFi or 3G/4G/5G cellular data. Navigate to Settings>System>System Update to check for updates. When an OTA update notification appears, simply follow the on-screen instructions to complete the update.



Notice

The OTA update typically won’t erase all the data on your phone, but it’s still important to back up your data before updating.



8. 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

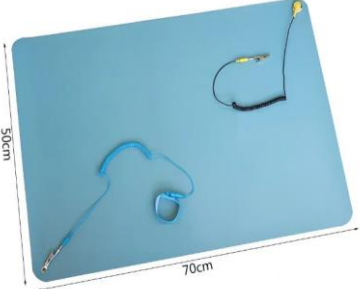


Warning

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.

8. Disassembly

Tools list

NO	SKU	Item	Description	Quantity	Image
1	C10300005	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	C10300011	ESD mat	Prevents electrostatic damage (recommended)	1	
3	C10300010	Safety Gloves	Prevents accidents during repair (protective equipment).	1	

8. Disassembly

Tools list

NO	SKU	Item	Description	Quantity	Image
4	C10300009	Safety Goggles	Prevents accidents during repair (protective equipment).	1	
5	C10300003	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	C10300004	Suction Cup	Use a strong suction cup with a handle to	1	
7	C10300018	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	

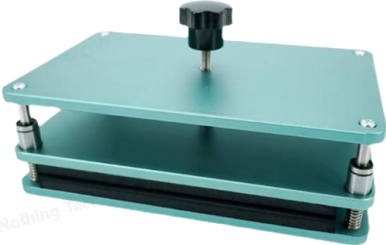
8. Disassembly

Tools list

NO	SKU	Item	Description	Quantity	Image
8	C10300017	ESD Safe Metal Tweezers	When removing a vibrator motor, it is required to use the metal tweezers	1	
9	601600001	SIM tray ejector	SIM card tray ejector tool.	1	
10	C10300016	PH00 Screwdriver	Tool for driving cross-head screws	1	
11	\	Slotted screwdriver 5mm	Tool for driving Slotted screws	1	

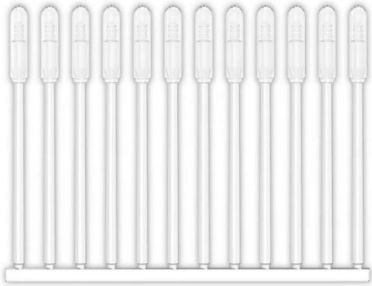
8. Disassembly

Tools list

NO	SKU	Item	Description	Quantity	Image
12	C10300014	Nylon probe	The nylon probe is primarily used during phone repairs to safely open and separate connectors, preventing damage to internal components.	1	
13	C10300013	Thermal gel	By applying to specific areas of the midframe, ensure that heat is rapidly conducted to prevent the device from overheating.	1	
14	\	Common Jig for battery cover pressing	Secure the battery cover and activate the adhesive on the back of the battery cover	1	
15	C10300008	Cleaning wipes	Used for cleaning during mobile phone repairs, removing dirt and residual glue from the device	1	

8. Disassembly

Tools list

NO	SKU	Item	Description	Quantity	Image
16	C10300007	Dust Cleaning Stick	Used for cleaning during mobile phone repairs, removing dust from the device	1	
17	C10300006	Acrylic Protective Tape for Broken Back Cover/Screen	Prevents injuries and scattering caused by broken back cover/screen	1	
18	\	Plastic pry pick	Used to pry open the battery cover clips and remove the battery cover	1	

8. Disassembly

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 universal battery cover press 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.

8. Disassembly

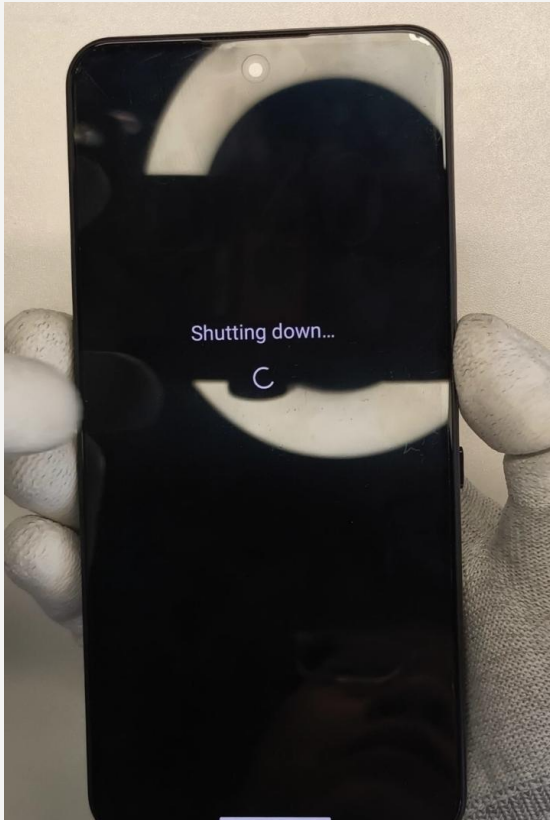
Disassembly - Back cover



Warning

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

1. Power off the device and use a SIM ejector tool to remove the SIM tray.



8. Disassembly

Disassembly - Back cover

2. Manually unscrew the decorative screw at the bottom right corner. Use a flathead screwdriver to remove the 4 external flathead screws. Make sure the screwdriver width is between 4mm and 5mm. When removing or tightening the screws, hold the screwdriver firmly with your thumb and index finger to prevent it from slipping out of the screw slot.



8. Disassembly

Disassembly - Back cover

The insulated heating bag that can be heated in a microwave and used to transfer heat to the adhesive of the back cover

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.



8. Disassembly

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.

8. Disassembly

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.



8. Disassembly

Disassembly - Back cover

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.



8. Disassembly

Disassembly - Back cover

3. Place the heating bag on top of the back cover and apply heat for 5 minutes.



Heating bag



8. Disassembly

Disassembly - Back cover

4. Use a plastic pry pick to start from the bottom right corner of the back cover and slide along the edges to gradually release the clips between the back cover and the LCM module.



Caution

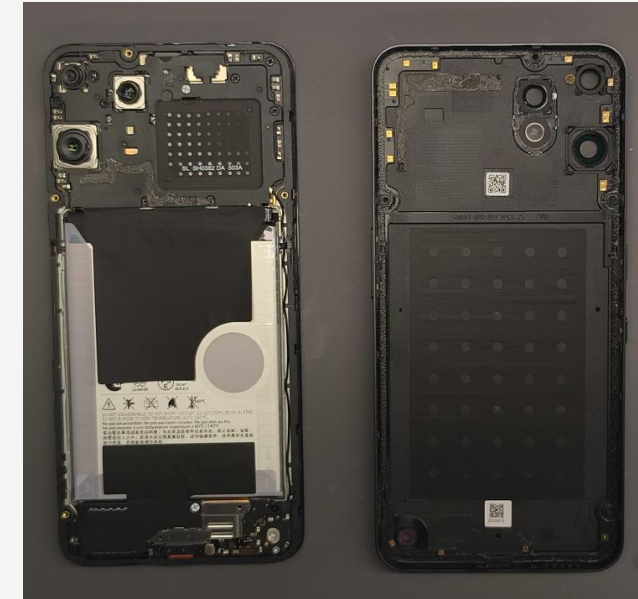
Do not scratch the phone



8. Disassembly

Disassembly - Back cover

5. Use your thumb to open the back cover from the gap at the top right corner. Then insert your thumb under the back cover and slowly lift it upward to remove it.



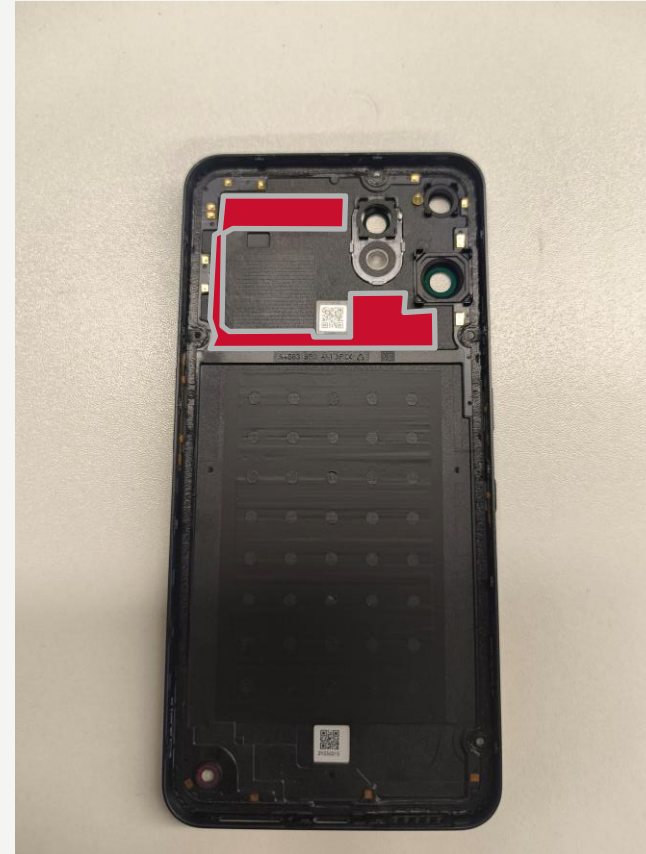
Warning

1. Do not force disassembly. If there is a pause during the process and the back cover cools down, please reheat it for 5 minutes.
2. Make sure to start lifting the back cover slowly from the top right corner. Do not attempt to open it from the camera deco area to avoid damaging the back cover or the camera.

8. Disassembly

Disassembly - Back cover

6. After removing the back cover, please clean off any remaining adhesive and replace it with new back cover adhesive.



8. Disassembly

Disassembly – Mainboard bracket

Remove the following part before you begin:

- Back cover

1. Use a Phillips screwdriver to sequentially remove the 8 black Phillips screws from the mainboard bracket.
2. Use your hand to lift and remove the mainboard bracket from the bottom.



Warning

Exercise caution when using sharp tools near the battery.

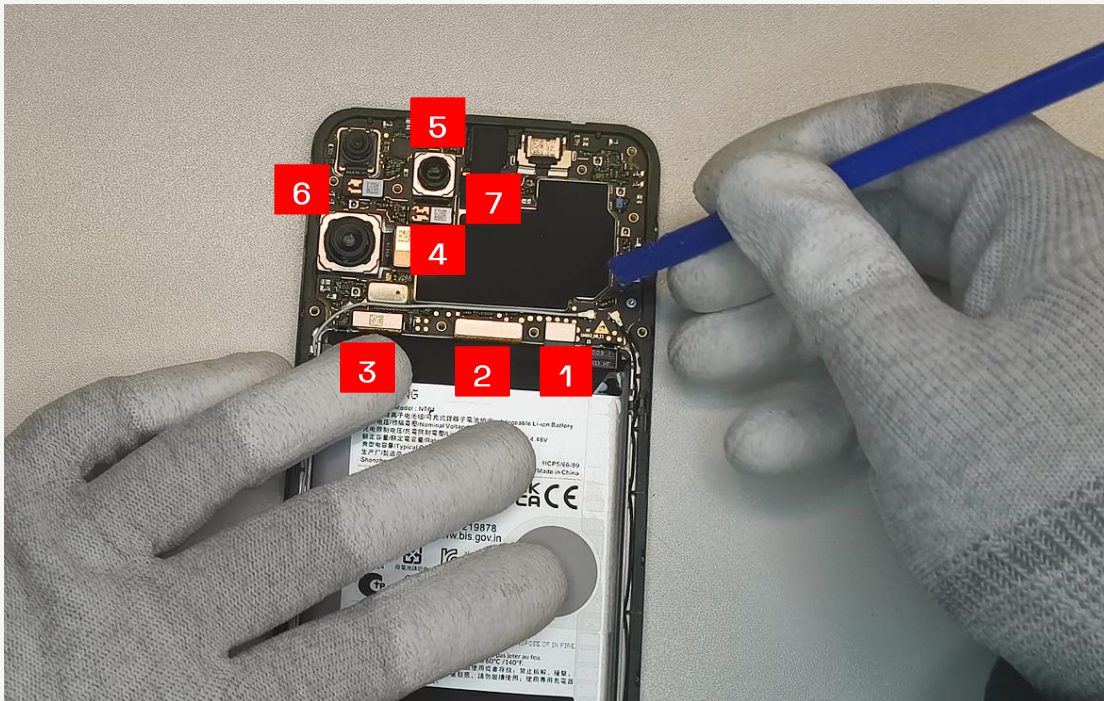
8. Disassembly

Disassembly – Camera

Remove the following part before you begin:

• Back cover, Main board bracket

1. Sequentially disconnect the battery BTB connector, LCM FPC BTB connector, and Main FPC BTB connector.
2. Remove the main camera, telephoto camera, ultra-wide camera, and front camera in order.



Warning

Exercise caution when using sharp tools near the battery.

8. Disassembly

Disassembly – Mainboard

Remove the following part before you begin:

• Back cover, Main board bracket, Camera

1. Sequentially remove the black and white coaxial cable connectors.
2. Use a Phillips screwdriver to remove the silver Phillips screws securing the mainboard.



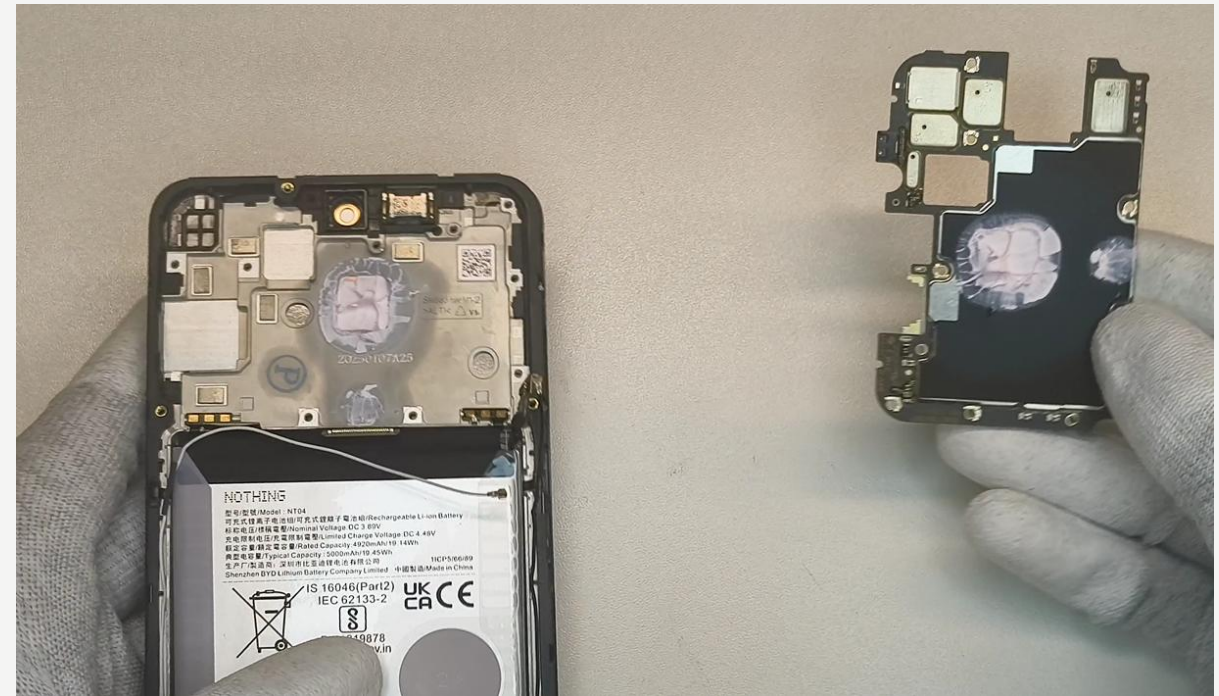
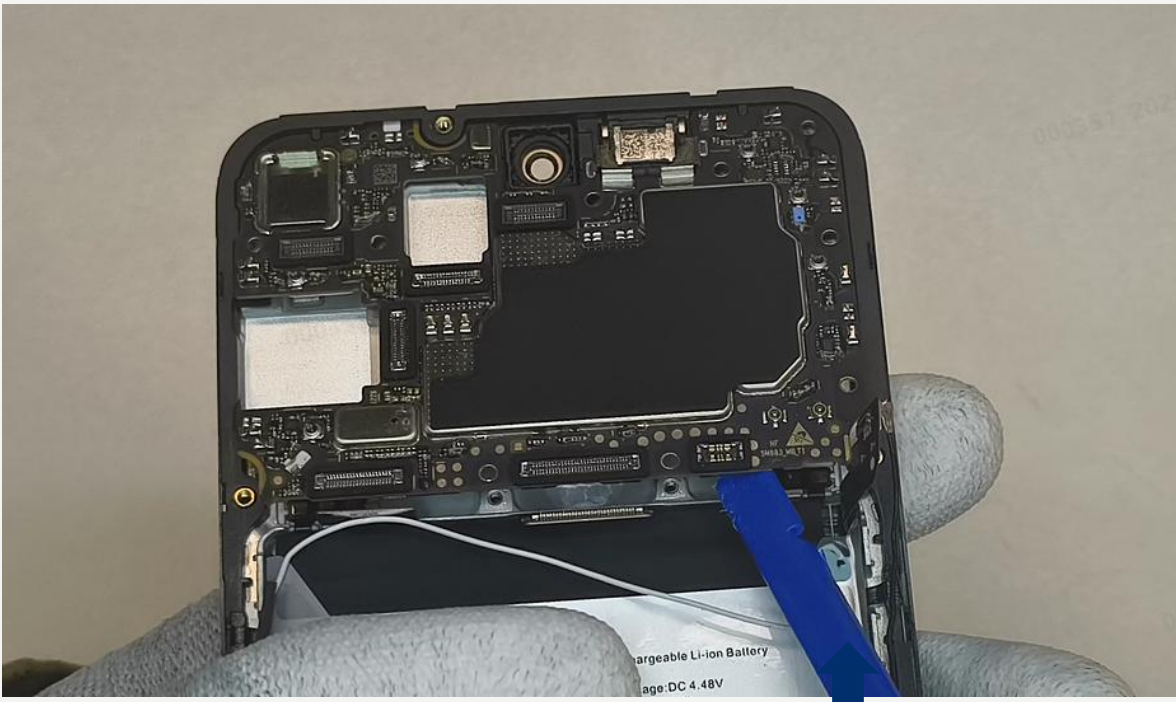
Warning

Exercise caution when using sharp tools near the battery.

8. Disassembly

Disassembly - Mainboard

3. Use a pry tool to lift the mainboard from the bottom upwards, then gently remove the motherboard by hand.



Warning

Exercise caution when using sharp tools near the battery.

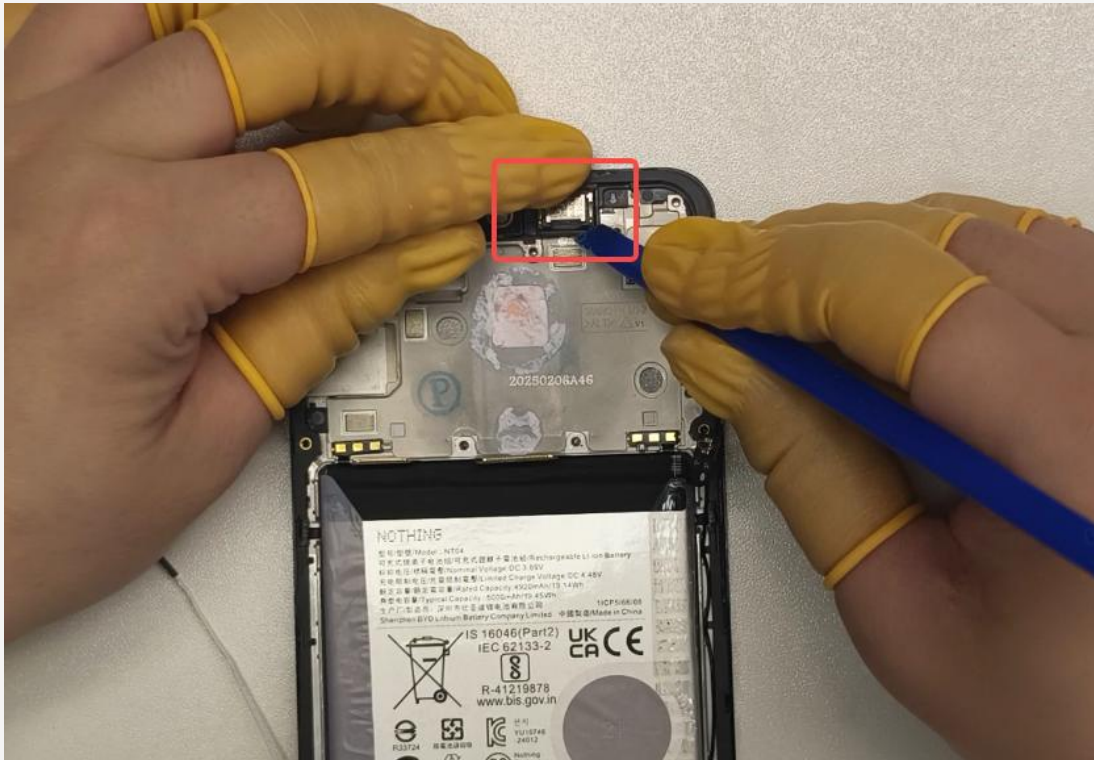
8. Disassembly

Disassembly - Receiver

Remove the following part before you begin:

- Back cover, Main board bracket, Mainboard

1. Use a pry tool to lift the receiver from the bottom, then remove it.



Warning

Exercise caution when using sharp tools near the battery.

8. Disassembly

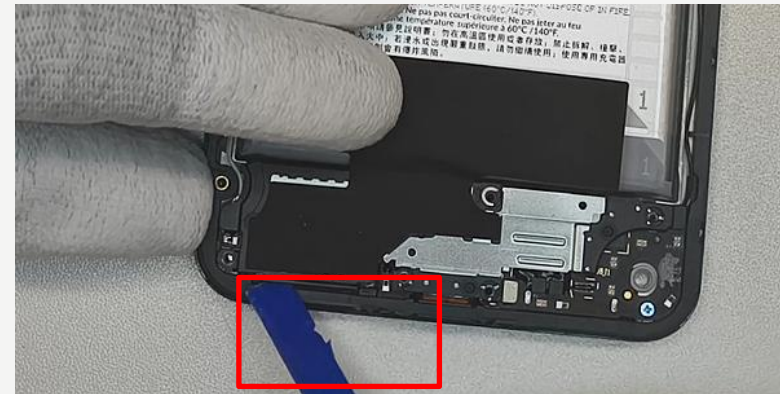
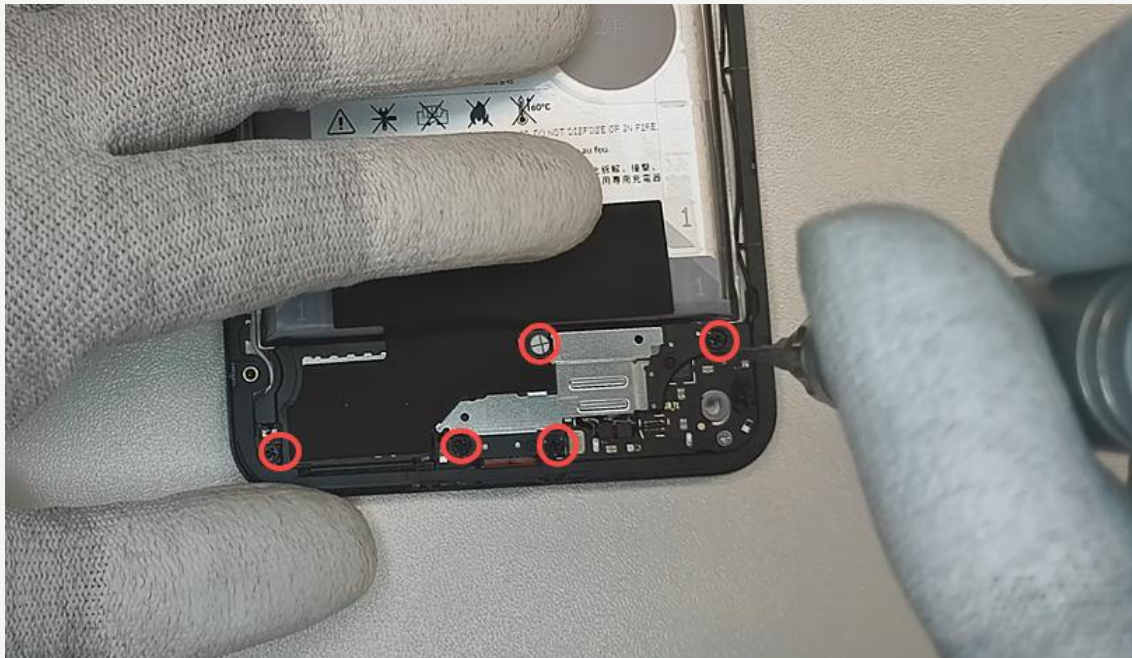
Disassembly – Speaker

Remove the following part before you begin:

- Back cover

1. Use a Phillips screwdriver to remove the 5 black Phillips screws securing the speaker box.
2. Use a pry tool to open the speaker, then gently remove it by hand.

Note : The vibrator is integrated in the speaker box.



Warning

Exercise caution when using sharp tools near the battery.

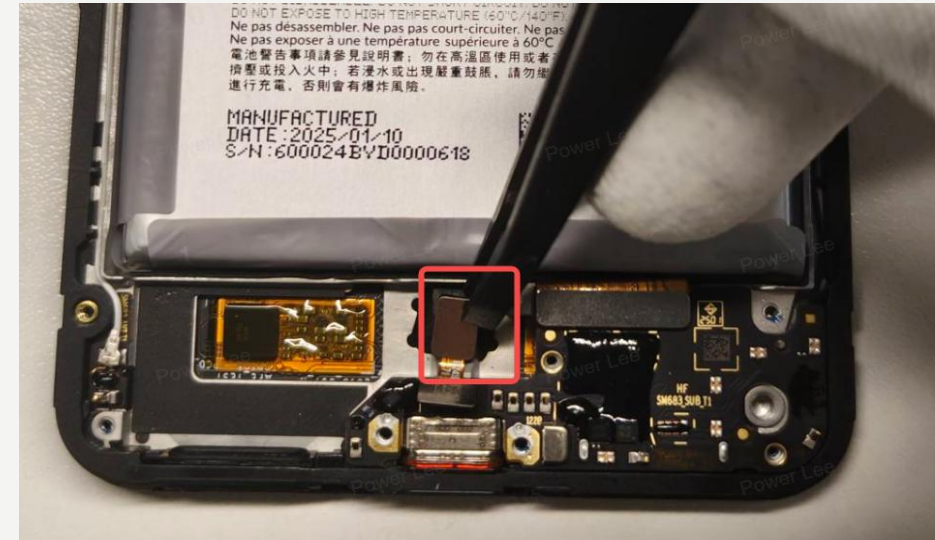
8. Disassembly

Disassembly – Fingerprint

Remove the following part before you begin:

- Back cover, Speaker

1. Use a pry tool to disconnect the fingerprint BTB connector.
2. Use a tweezer to remove the fingerprint module.



Warning

Exercise caution when using sharp tools near the battery.

8. Disassembly

Disassembly – USB Sub-board

Remove the following part before you begin:

- Back cover, Speaker

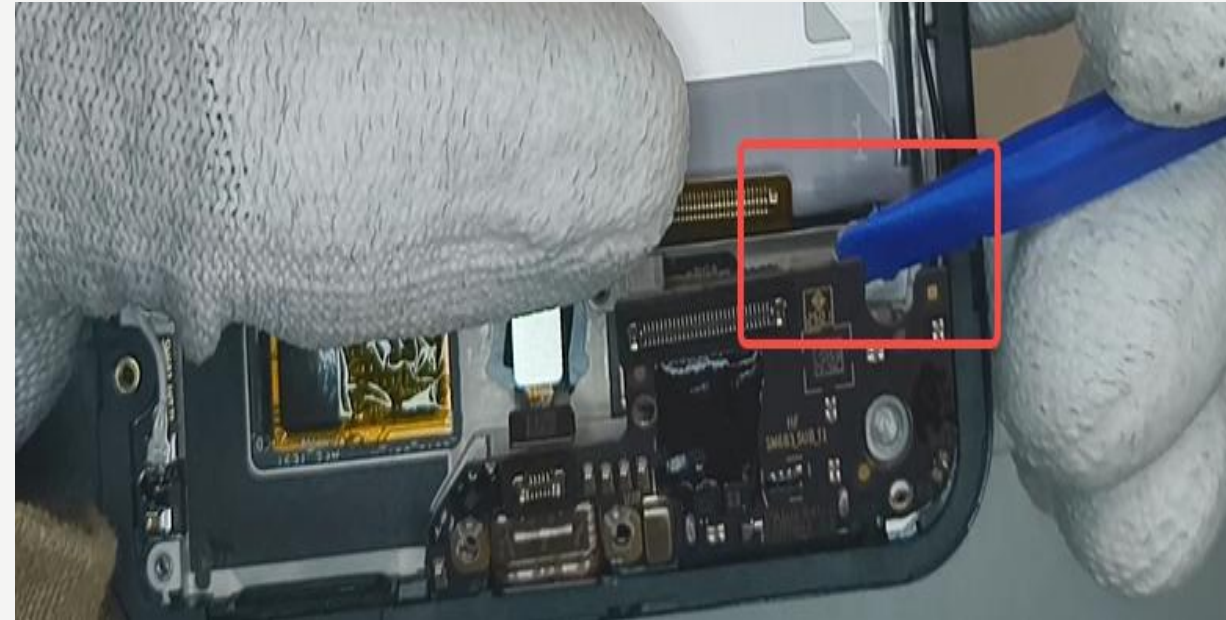
1. Use a pry tool to disconnect the main FPC BTB connector at the USB sub-board end.
2. Use a pry tool to disconnect the fingerprint BTB connector and remove the fingerprint.



8. Disassembly

Disassembly – USB Sub-board

3. Use a Phillips screwdriver to remove the 2 silver Phillips screws securing the sub-board.
4. Use a pry tool to remove the USB sub-board.



Warning

Exercise caution when using sharp tools near the battery.

8. Disassembly

Disassembly – Antenna Sub-board

Remove the following part before you begin:

- Back cover、 Speaker

1. Use metal tweezers to lift the adhesive at the bottom of the antenna sub board and remove it. If the antenna sub board is not easily removed, heat the screen for 1-2 minutes first.



Warning

Exercise caution when using sharp tools near the battery.



Warning

1. When using metal tweezers, please be careful not to let the sharp tips touch the battery to avoid any safety risks.
2. Please be careful when using metal tweezers to remove the antenna sub board. Avoid damaging the spring contact at the bottom of the antenna sub board to prevent signal issues.

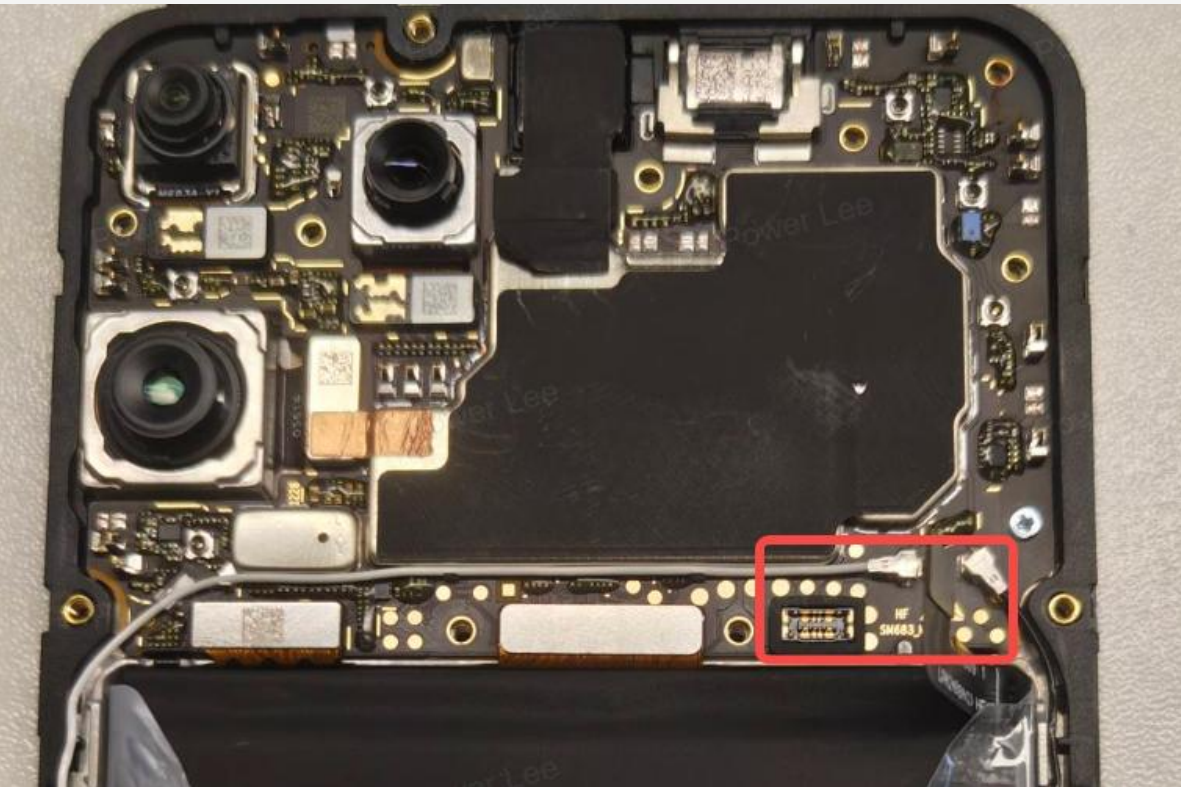
8. Disassembly

Disassembly – Battery

Remove the following part before you begin:

- Back cover, Main board bracket

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



8. Disassembly

Disassembly - Battery

2: After the heating bag is preheated, place the heating bag on the screen opposite the battery and heat it for 1 minute to heat the battery adhesive for easy disassembly.



8. Disassembly

Disassembly – Battery

3: 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

8. Disassembly

Disassembly - Battery

4: Use tweezers to tear off the battery tear paper



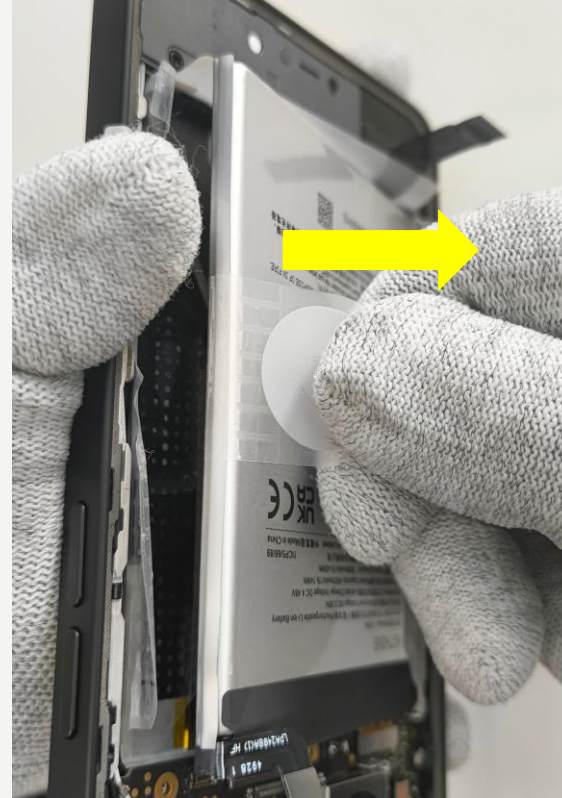
c). Gently tear off the easy-tear paper on the surface of the battery, refer to position 3

d). Gently tear off the easy-tear paper on the surface of the battery, refer to position 4

8. Disassembly

Disassembly - Battery

5: Use tweezers to tear off the battery tear paper



Hold the phone's mid-frame securely with one hand, and carefully grasp the battery tear-off sticker with the other. Slowly and steadily pull the sticker outward, applying consistent force to gradually extract the battery from its compartment, paying close attention to avoid damaging any internal components.

8. Disassembly

Disassembly - Battery



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. Removed batteries should not be reused, as used battery cells can be damaged during the removal process.



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

8. Disassembly

Disassembly – LCM

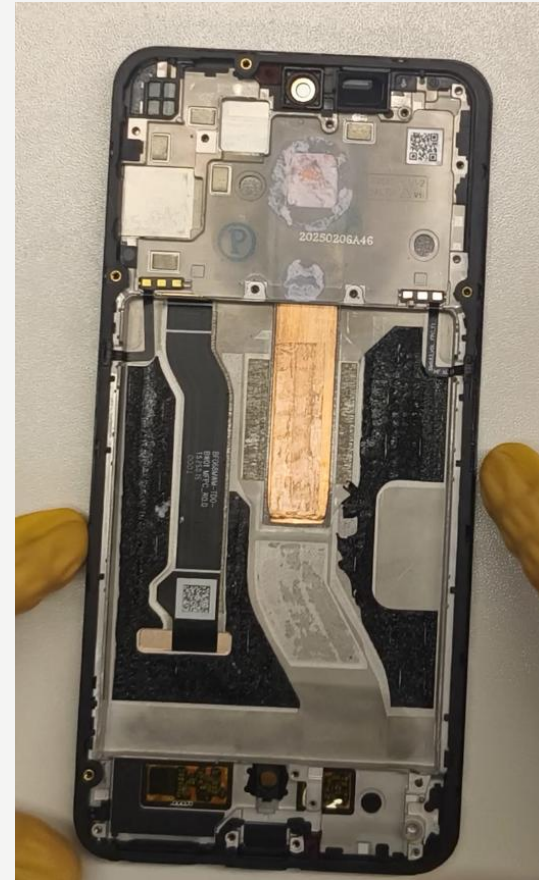
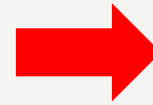
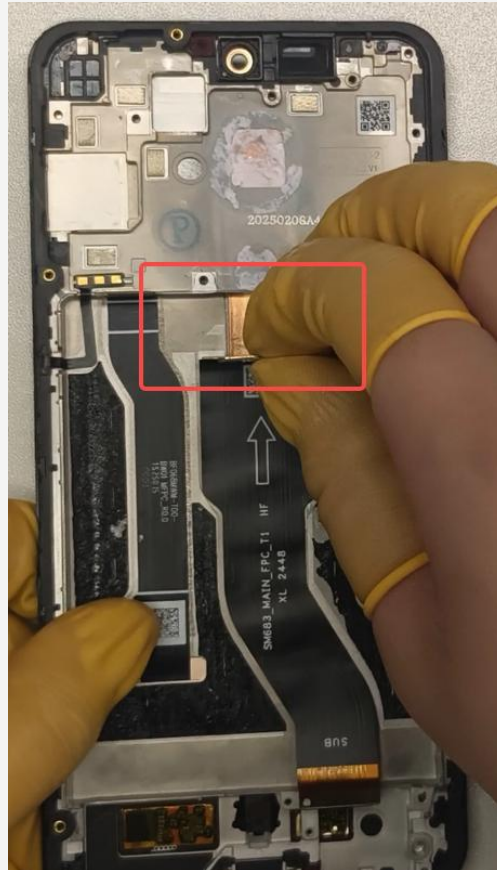
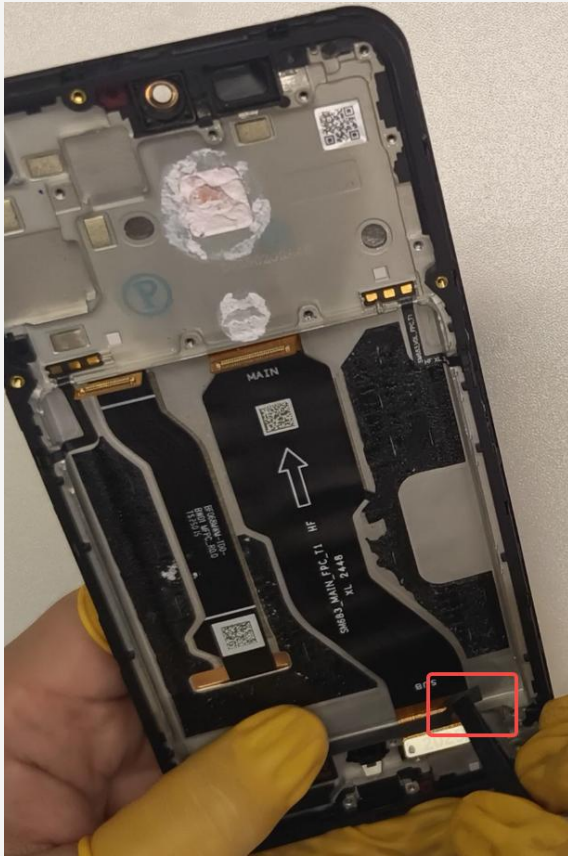
Remove the following part before you begin:

- Back cover
- Main board bracket
- Camera
- Mainboard
- Speaker
- USB-Sub board
- Antenna Sub board
- Fingerprint
- Receiver
- Battery

8. Disassembly

Disassembly – LCM

1. Using tweezers to remove the battery bottom foam.
2. Gently pull the main FPC and remove it.



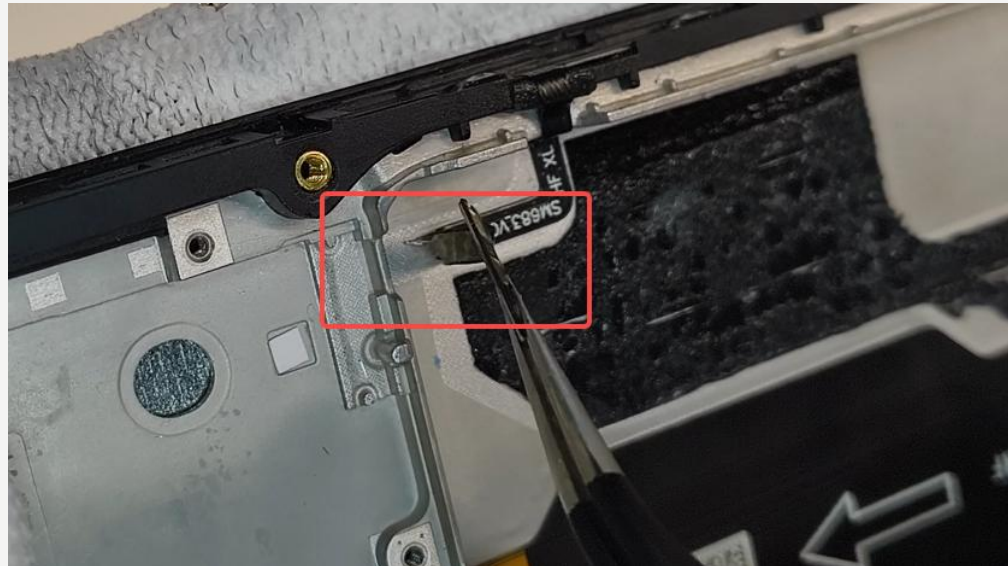
8. Disassembly

Disassembly - Side buttons

Remove the following part before you begin:

- Back cover
- Main board bracket
- Camera
- Mainboard
- Battery

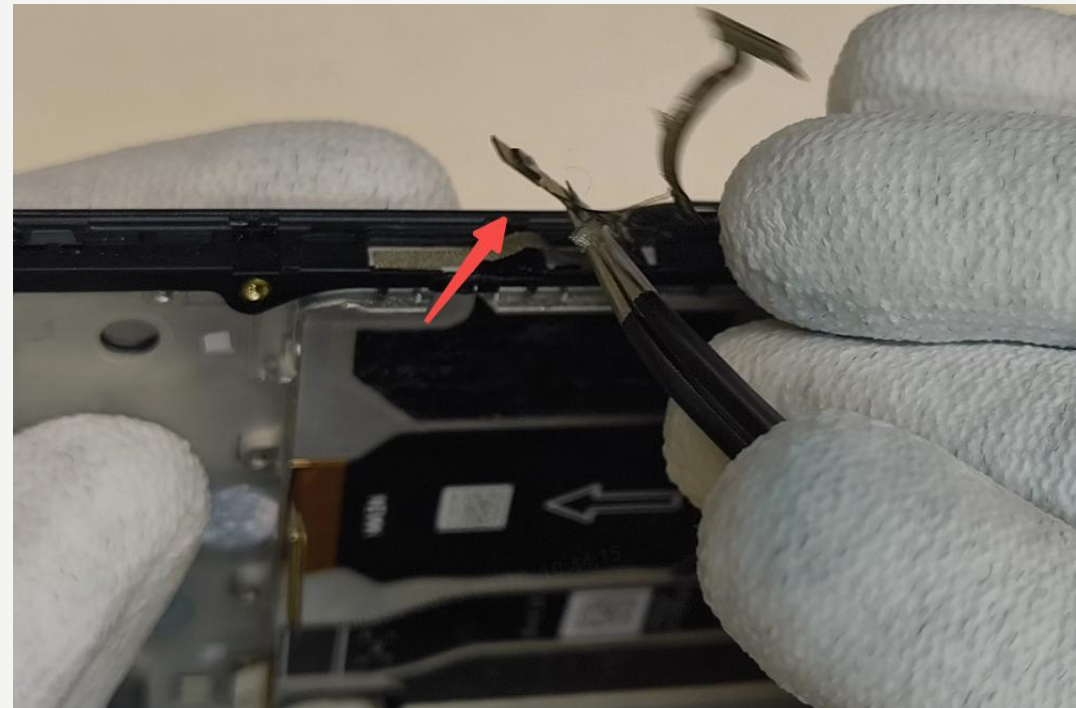
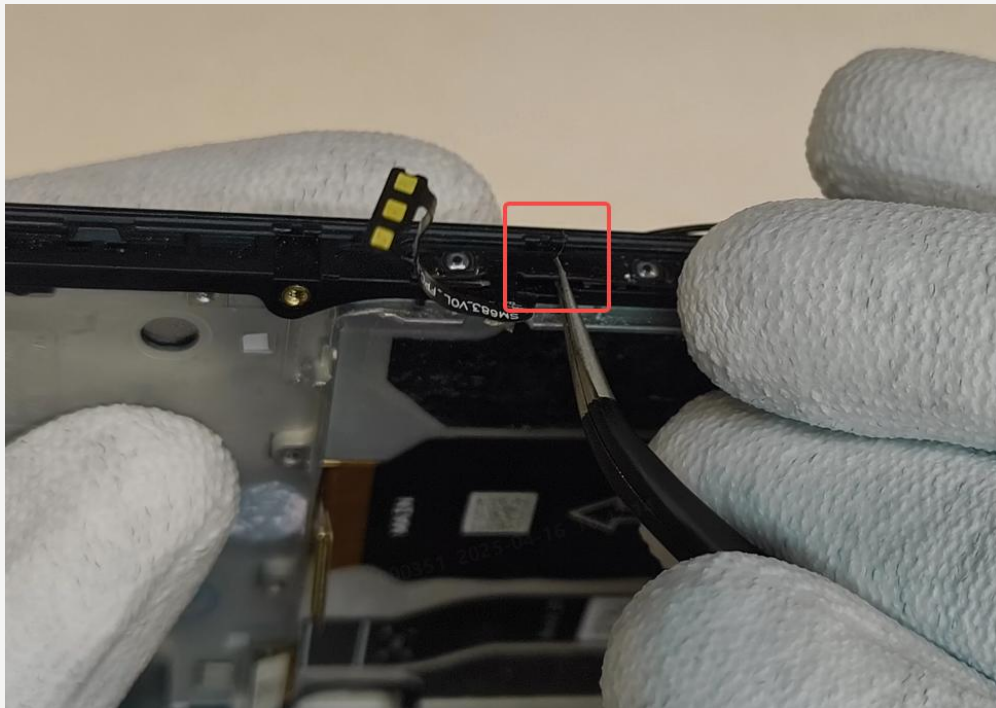
1. Use metal tweezers to pry open the FPC's golden finger at the bottom, then gently pull the FPC apart.



8. Disassembly

Disassembly - Side buttons

2. Use metal tweezers to lift the bottom of the FPC reinforcement plate, then gently raise and remove the entire button FPC.



Warning

Please do not reuse this FPC. After removal, it may affect performance. Replace it with a new volume or power button FPC to avoid potential rework.

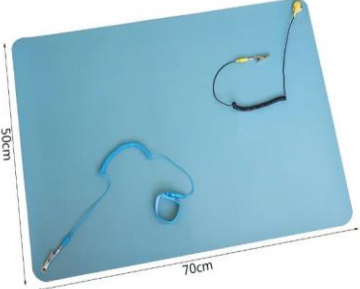
8. Disassembly

Disassembly - all parts of the device



9.Assembly

Tools list

NO	SKU	Item	Description	Quantity	Image
1	C10300005	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	C10300011	ESD mat	Prevents electrostatic damage (recommended)	1	
3	C10300010	Safety Gloves	Prevents accidents during repair (protective equipment).	1	

9.Assembly

Tools list

NO	SKU	Item	Description	Quantity	Image
4	C10300009	Safety Goggles	Prevents accidents during repair (protective equipment).	1	
5	C10300003	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	C10300004	Suction Cup	Use a strong suction cup with a handle to	1	
7	C10300018	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	

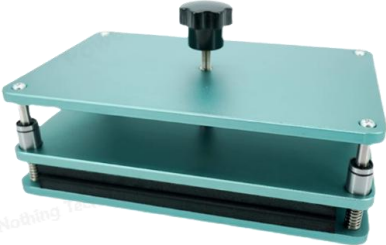
9.Assembly

Tools list

NO	SKU	Item	Description	Quantity	Image
8	C10300017	ESD Safe Metal Tweezers	When removing a vibrator motor, it is required to use the metal tweezers	1	
9	601600001	SIM tray ejector	SIM card tray ejector tool.	1	
10	C10300016	PH00 Screwdriver	Tool for driving cross-head screws	1	
11	\	Slotted screwdriver 5mm	Tool for driving Slotted screws	1	

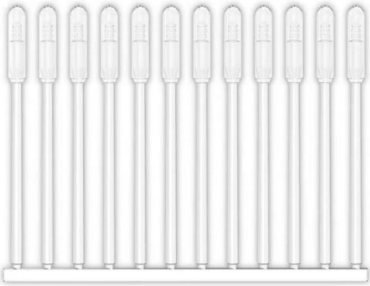
9.Assembly

Tools list

NO	SKU	Item	Description	Quantity	Image
12	C10300014	Nylon probe	The nylon probe is primarily used during phone repairs to safely open and separate connectors, preventing damage to internal components.	1	
13	C10300013	Thermal gel	By applying to specific areas of the midframe, ensure that heat is rapidly conducted to prevent the device from overheating.	1	
14	\	Common Jig for battery cover pressing	Secure the battery cover and activate the adhesive on the back of the battery cover	1	
15	C10300008	Cleaning wipes	Used for cleaning during mobile phone repairs, removing dirt and residual glue from the device	1	

9.Assembly

Tools list

NO	SKU	Item	Description	Quantity	Image
16	C10300007	Dust Cleaning Stick	Used for cleaning during mobile phone repairs, removing dust from the device	1	
17	C10300006	Acrylic Protective Tape for Broken Back Cover/Screen	Prevents injuries and scattering caused by broken back cover/screen	1	
18	\	Plastic pry pick	Used to pry open the battery cover clips and remove the battery cover	1	

9.Assembly

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.

9.Assembly

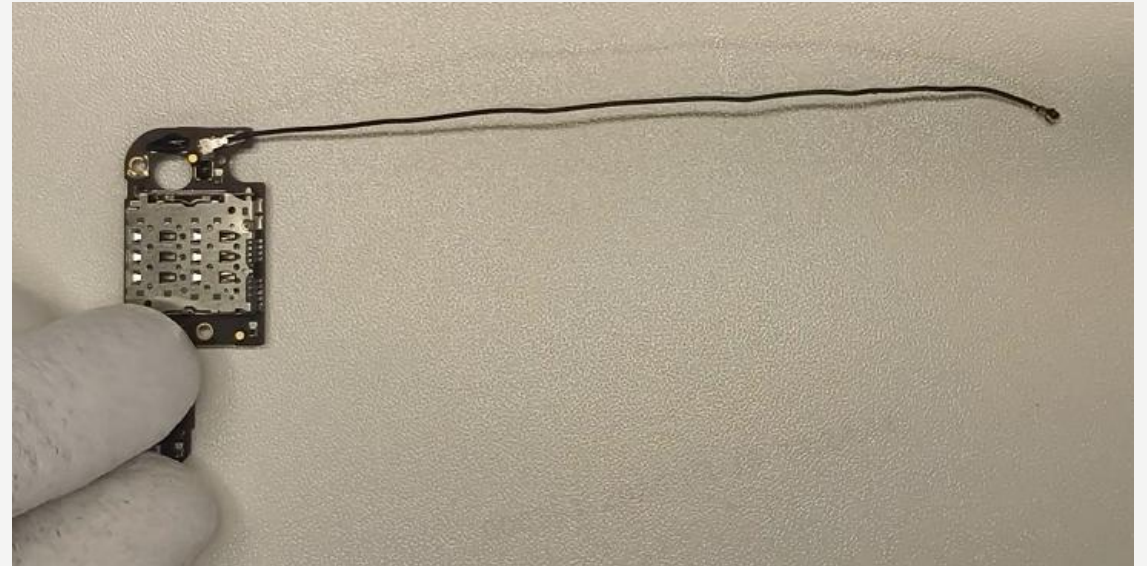
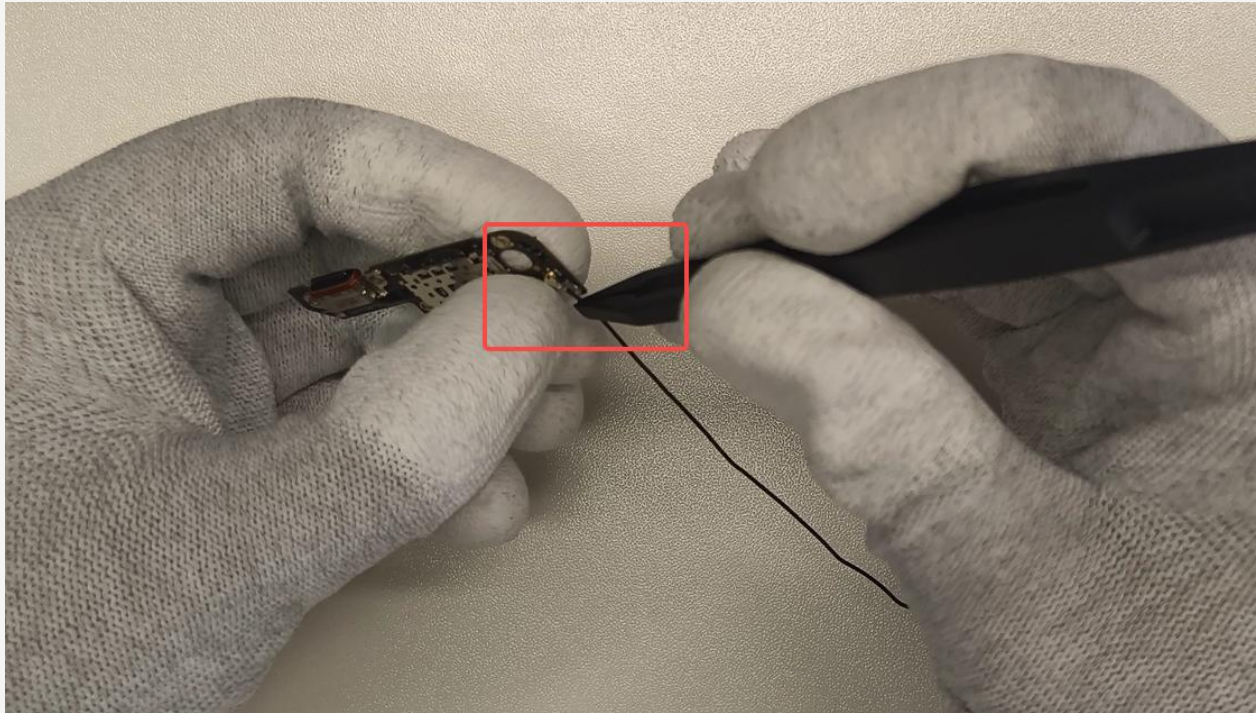


Caution:

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. 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.
3. Please note that the external flat-head screws for CMF Phone 2 Pro are different from those of CMF Phone 1. Do not mix them up.
4. Once the battery has been removed, please do not reuse it.
5. After replacing the mainboard, please update the Color ID in the after-sales CIT to avoid customer complaints regarding discrepancies between the mainboard color and the phone color.
6. After replacing the mainboard or fingerprint module, please use the dedicated fingerprint calibration rubber to calibrate the fingerprint function in the after-sales CIT.

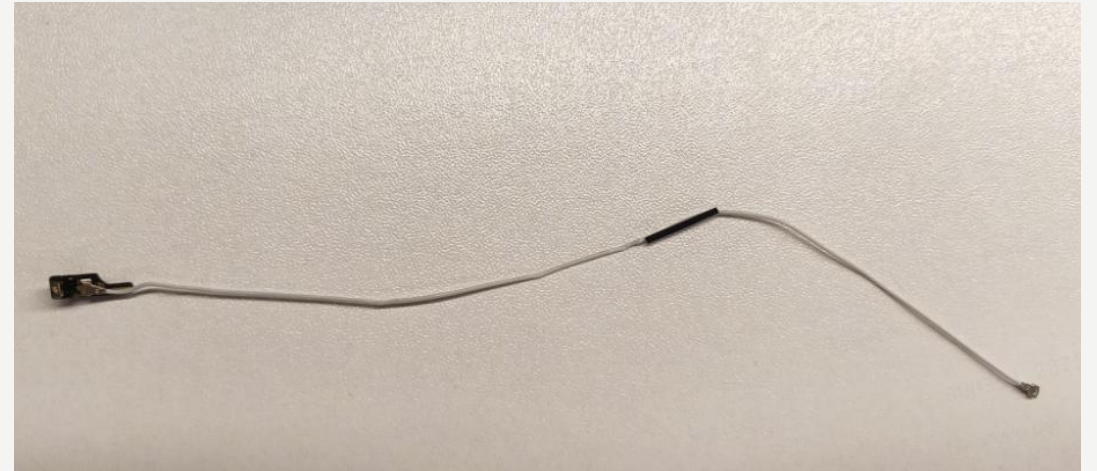
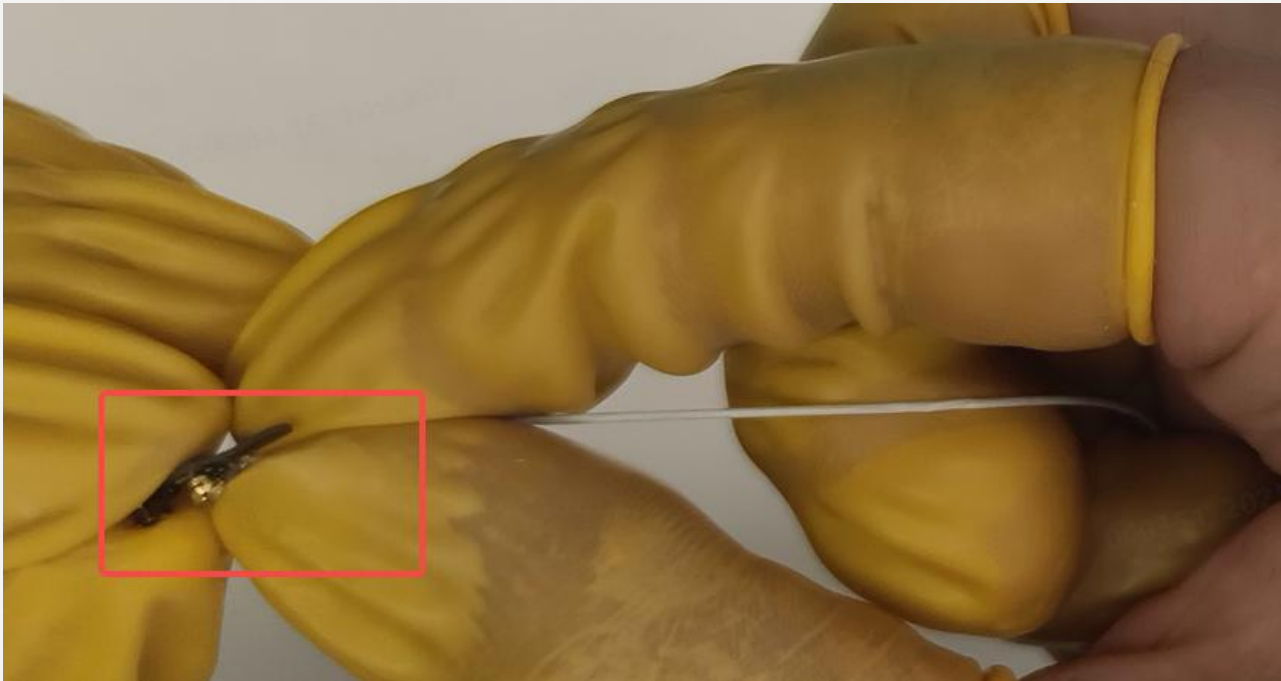
9.Assembly

1. Use plastic tweezers to hold the black coaxial cable, install the coaxial cable onto the USB sub-board, and press it with your hand to ensure it clicks into place. Then, secure the coaxial cable within the latch.



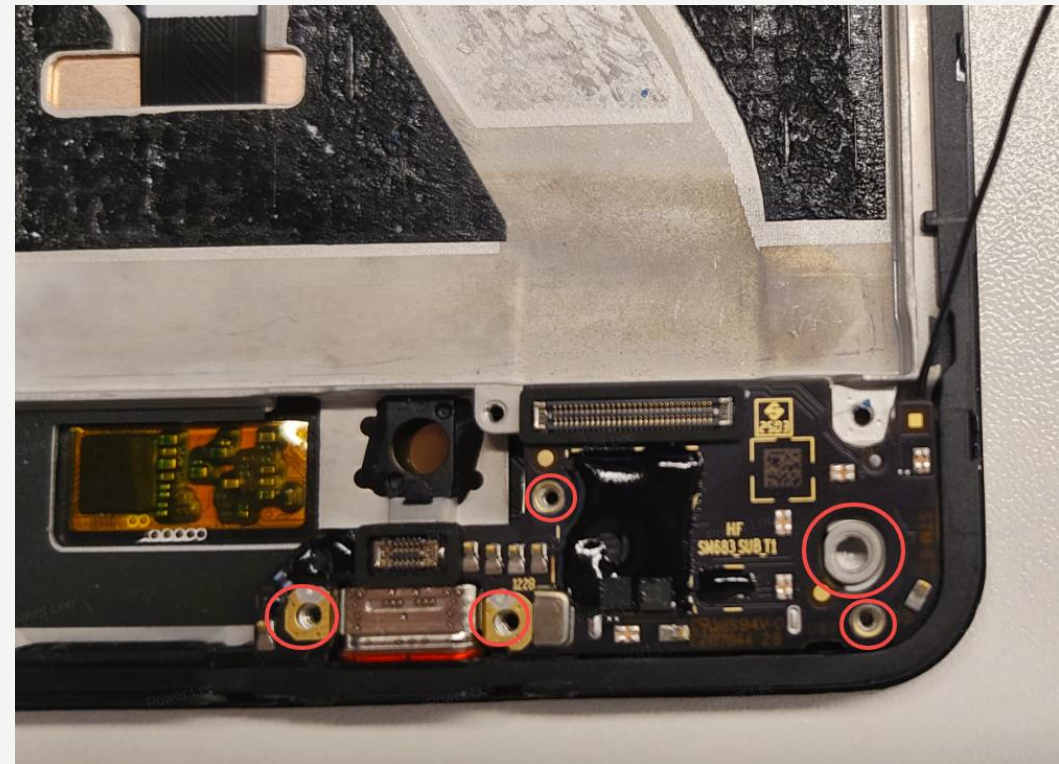
9.Assembly

2. Gently press the white coaxial cable connector into the antenna sub-board, ensuring it is securely connected and properly seated.



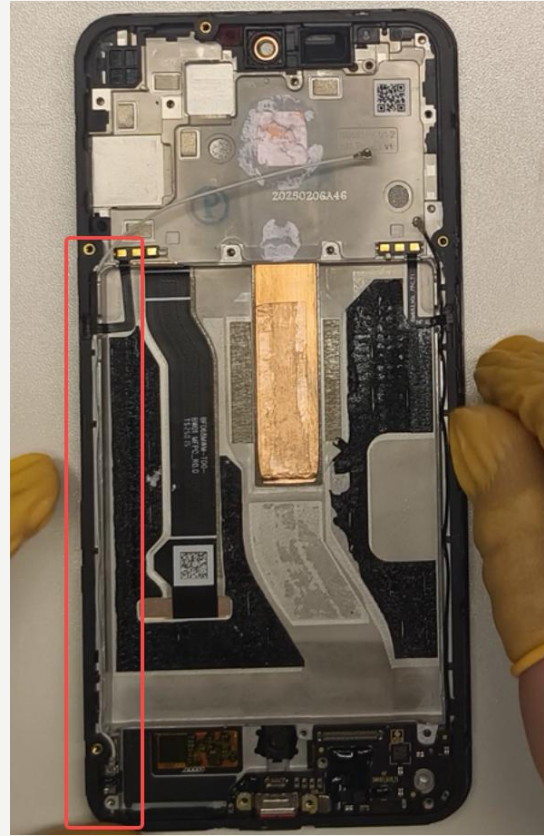
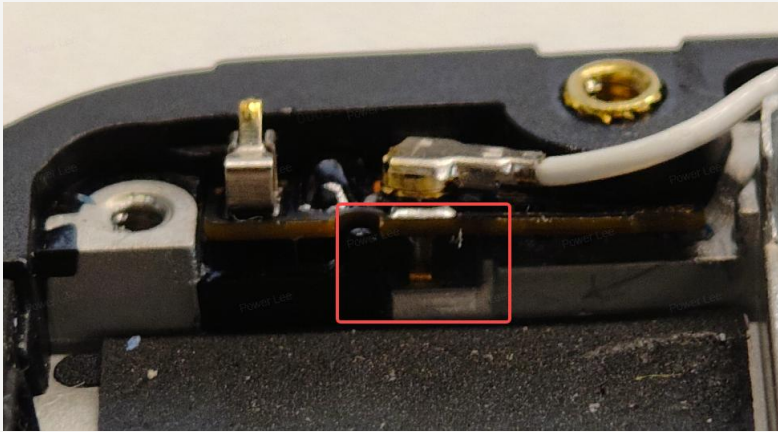
9. Assembly

2. Take the USB sub-board with the SIM card slot facing down and the BTB connector facing up. Install the USB sub-board onto the LCM assembly, ensuring that the USB port of the sub-board is aligned with the USB port of the LCM assembly. Install it at an angle downward and gently press to secure it, making sure all the marked screw holes are exposed.



9.Assembly

4. Check if the antenna sub-board's spring contact is deformed. Install the antenna sub-board onto the LCM assembly and secure the white coaxial cable into the cable slot.



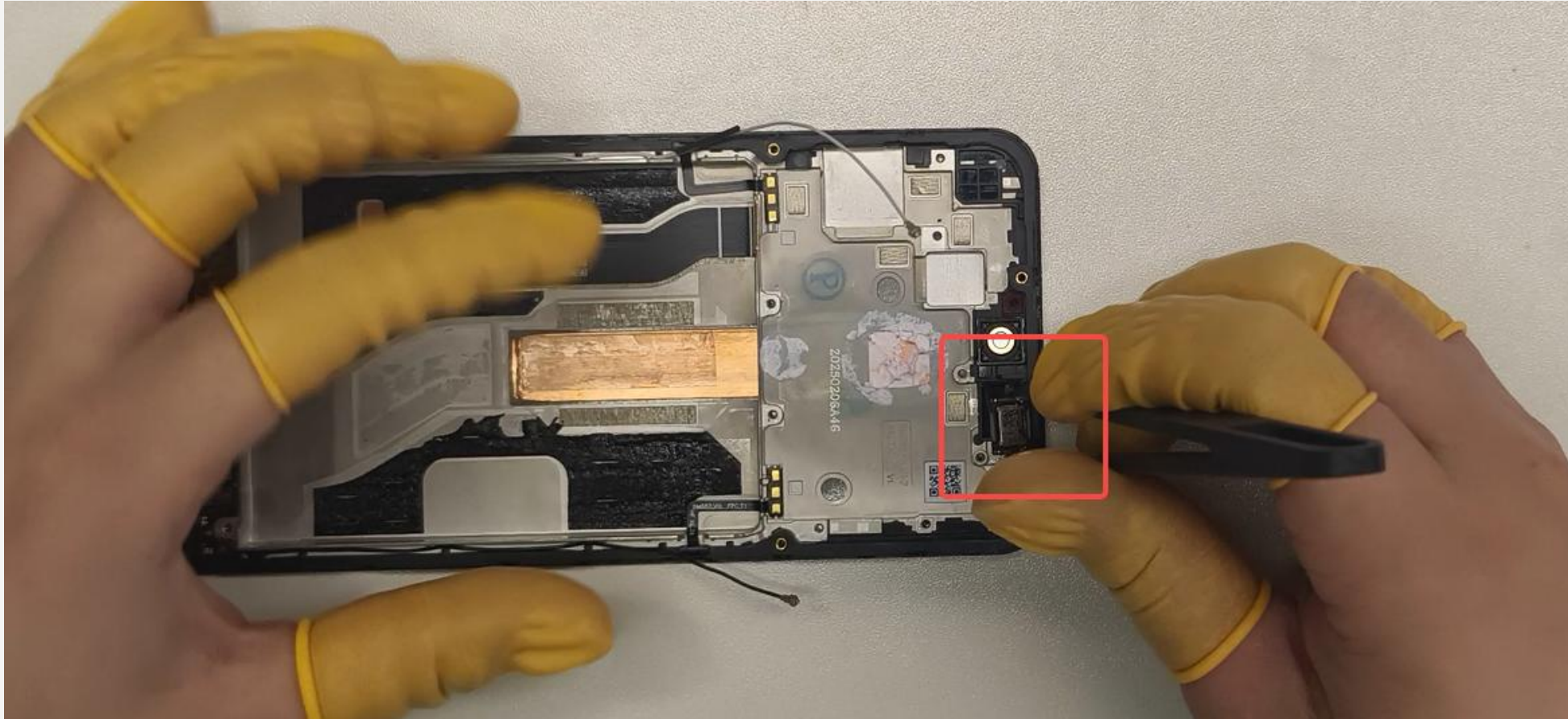
Notice

1. Replace with new adhesive 750700040: Bottom Foam for Antenna Sub-board_CMF Phone 2 Pro
2. After assemble the antenna sub-board, please check if the spring contact of the antenna board is in normal contact with the LCM assembly.



9.Assembly

5. Install the receiver correctly onto the LCM assembly.

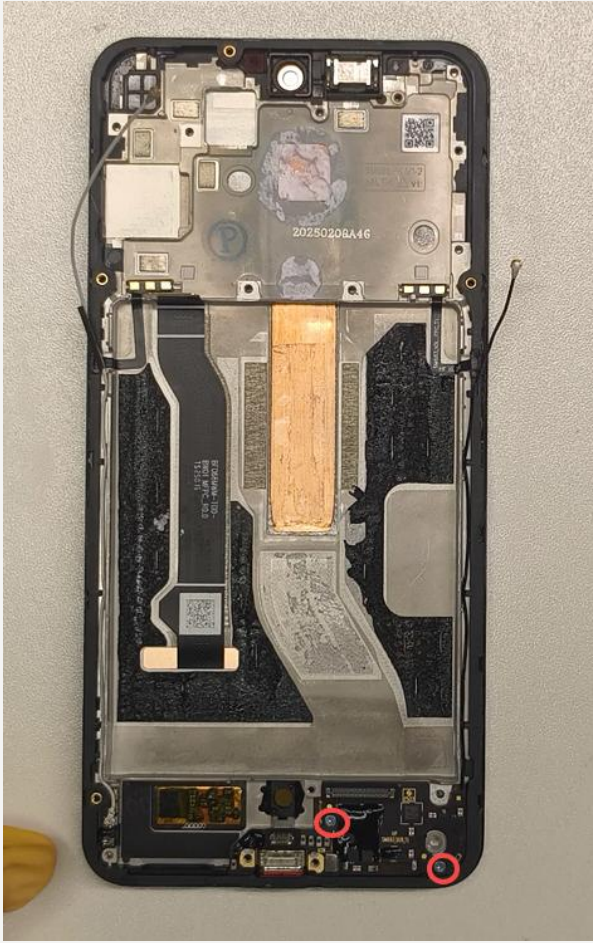


Notice

Replace with new adhesive : 750700037 Receiver Foam Adhesive_CMF Phone 2 Pro

9.Assembly

6. Use a Phillips screwdriver to tighten the two silver cross screws on the USB sub-board.



PH00
screwdriver

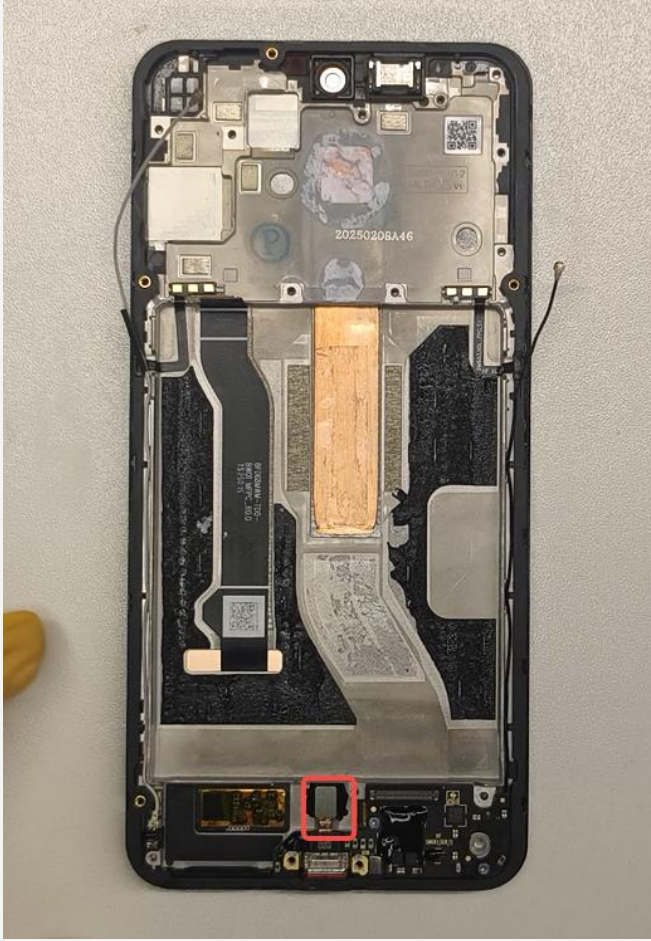


Notice

Please ensure the correct screw model is used: : 730000014 Cross Round Head Screw_M1.2X2.3_P0.3_Silver_Internal

9.Assembly

7. Install the fingerprint module into the LCM assembly and snap it onto the USB sub-board.

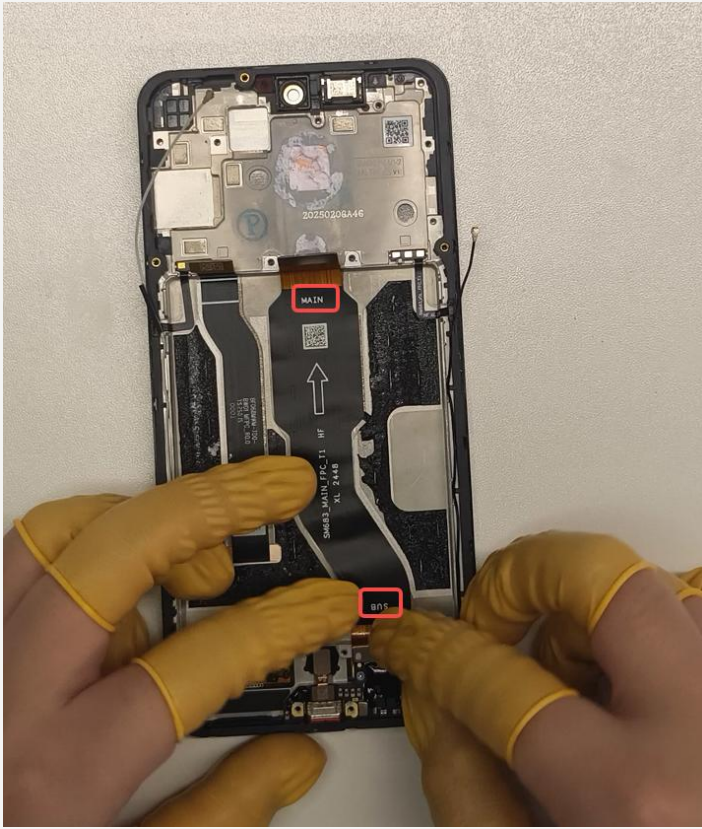


Notice

Replace the fingerprint adhesive with a new one if it is found to be damaged or deformed:
750700039 Fingerprint foam adhesive for after sales_CMF Phone 2 Pro

9. Assembly

8. Install the main FPC into the battery compartment. First, connect the BTB connector on the USB sub-board end of the FPC to the USB sub-board, then gently press and smooth the main FPC to ensure it adheres properly inside the battery compartment.



Notice

Replace with a new main FPC adhesive: 750400074 Adhesive_Main FPC_CMF Phone 2 Pro

9. Assembly

9. Install the Speaker BOX onto the LCM assembly, and use a Phillips screwdriver to fasten the five black Phillips screws.



PH00
screwdriver



Notice

1. Please ensure the correct screw model is used: 730000014 Cross Round Head Screw_HCM1.4X3.5_2.5X0.5_Black_Internal
2. Apply a new tamper-proof label: Waterproof Label_3M5559_2X2mm_CMF Phone 1 & CMF Phone 2 Pro

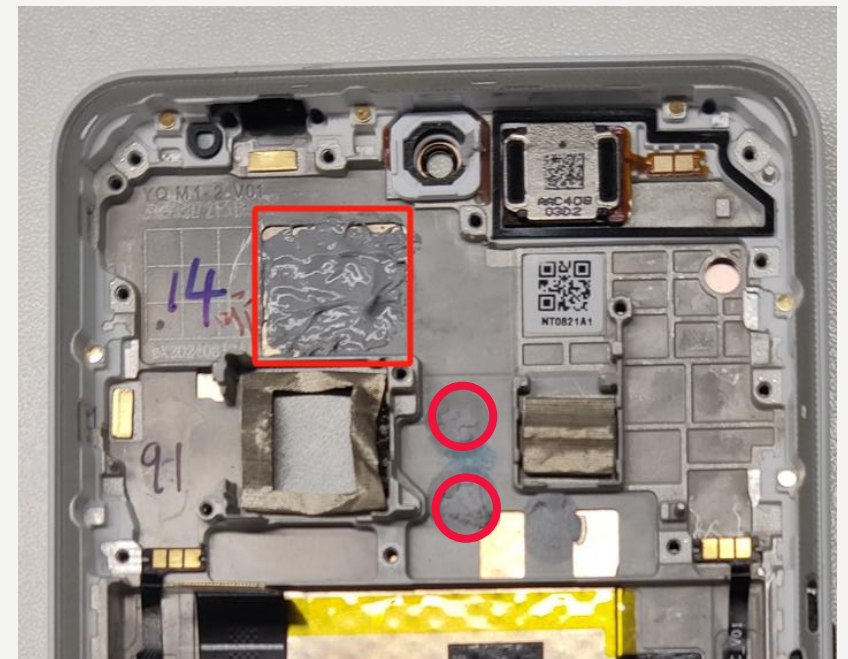
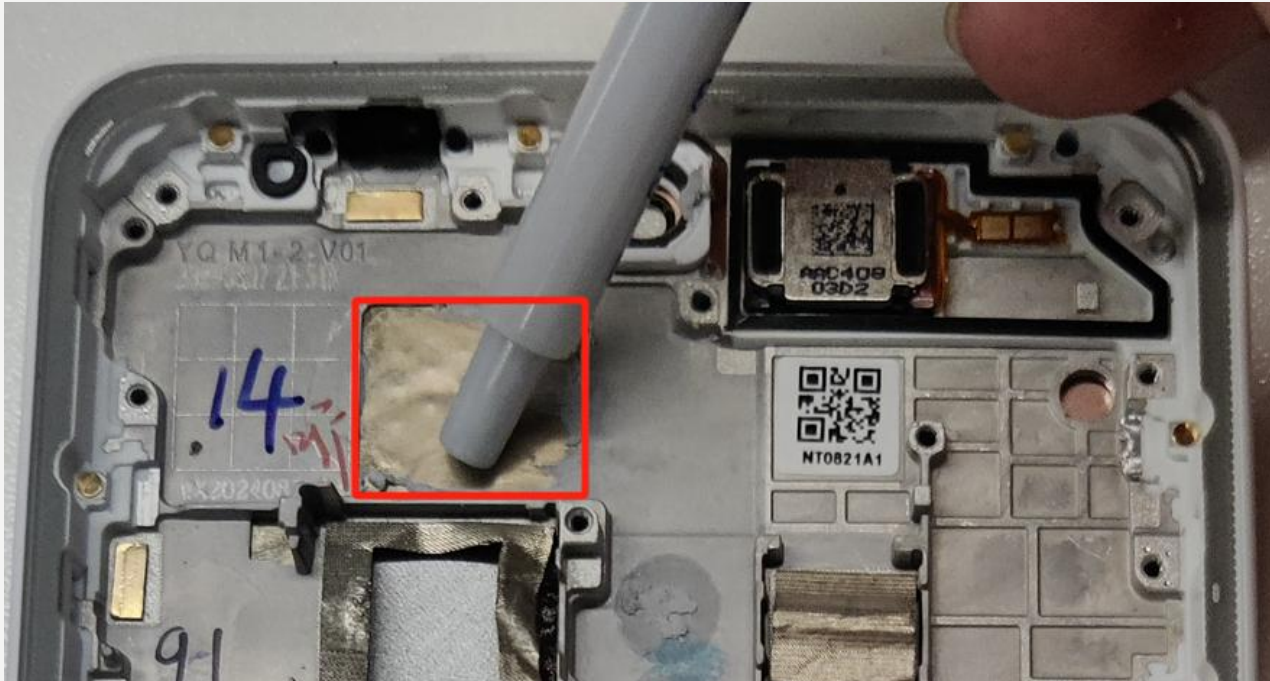
9.Assembly

10. 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. (The following images are for reference only)



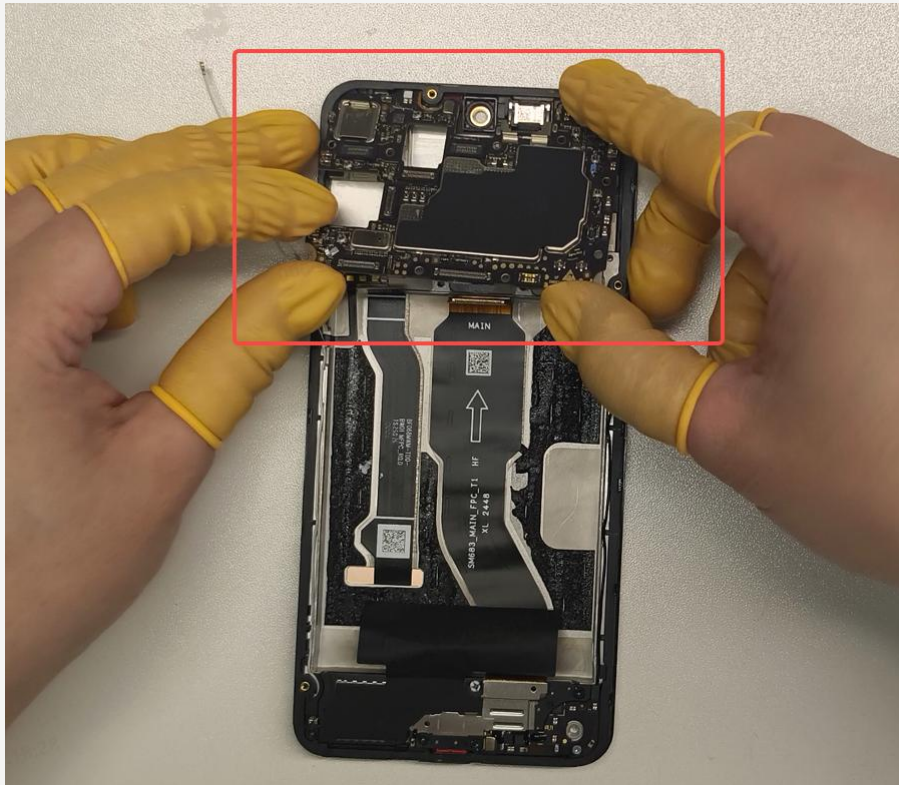
Caution

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



9.Assembly

11. Ensure the mainboard has no visible defects and that all components and spring contacts are intact. Align and insert the top side of the mainboard into the middle frame first, then gently press down to fully seat the mainboard into place.

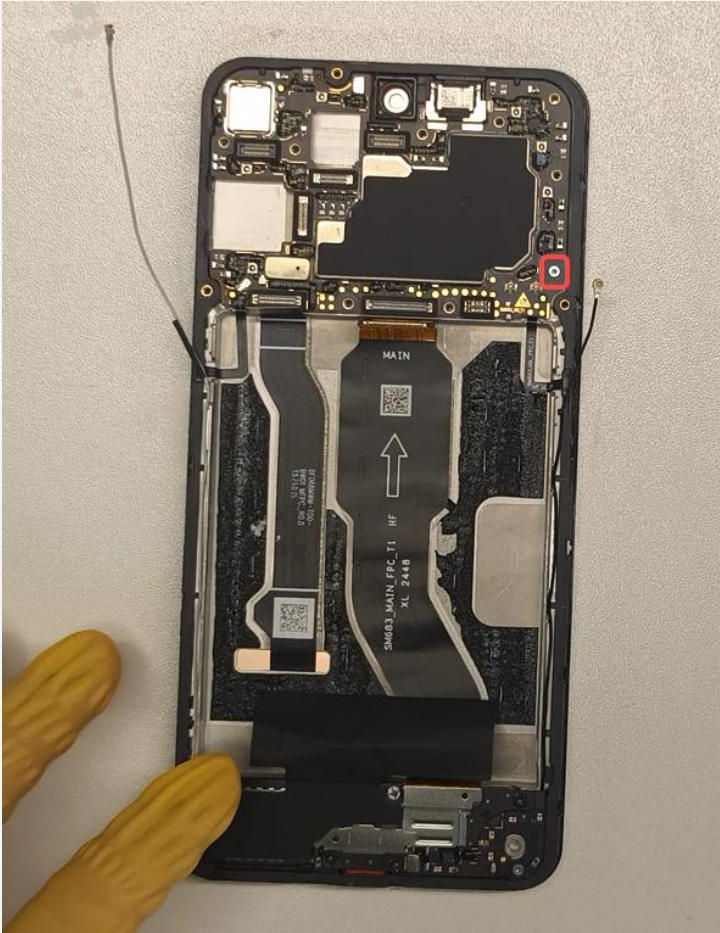


Notice

Be careful not to apply pressure on the BTB connectors of the main FPC and LCM FPC, as well as the connectors of the black and white coaxial cables during installation.

9.Assembly

12. Use a Phillips screwdriver to fasten the silver Phillips screw onto the mainboard.



PH00
screwdriver

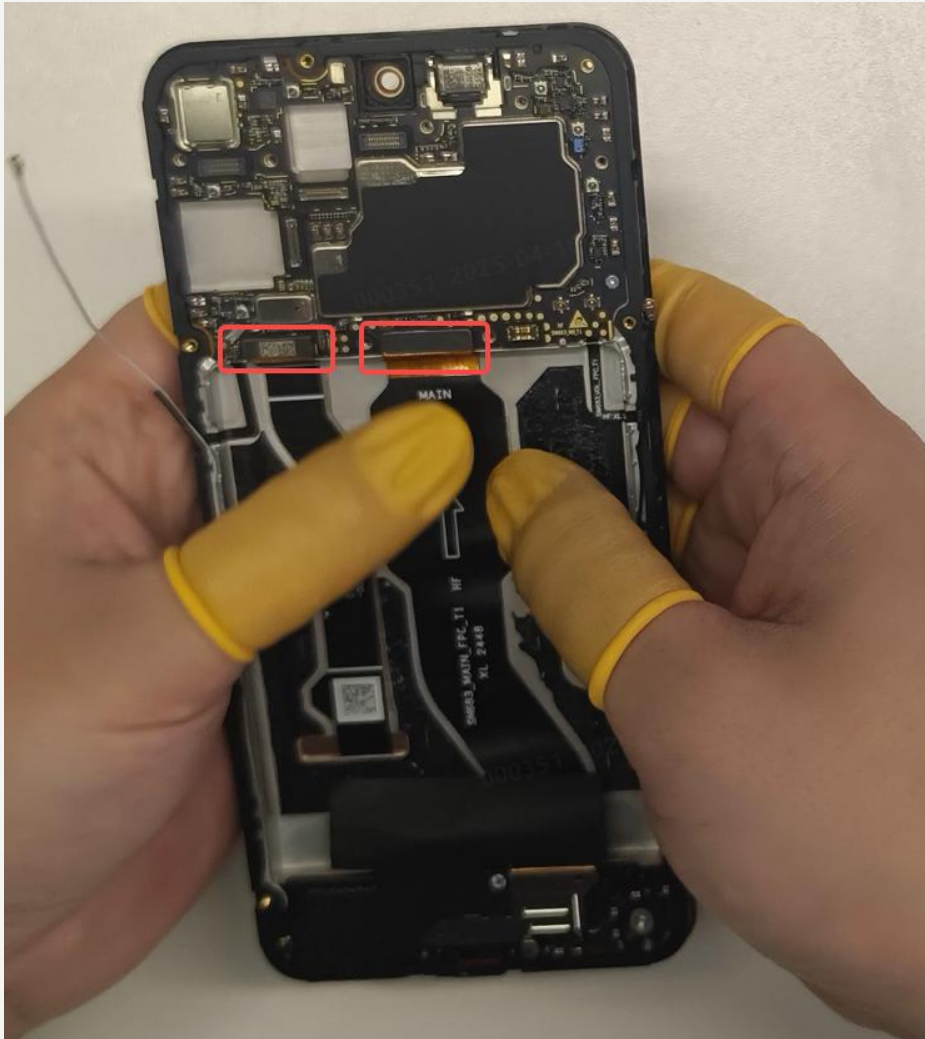


Notice

Please ensure the correct screw model is used: 730000014 Cross Round Head Screw_M1.2X2.3_P0.3_Silver_Internal.

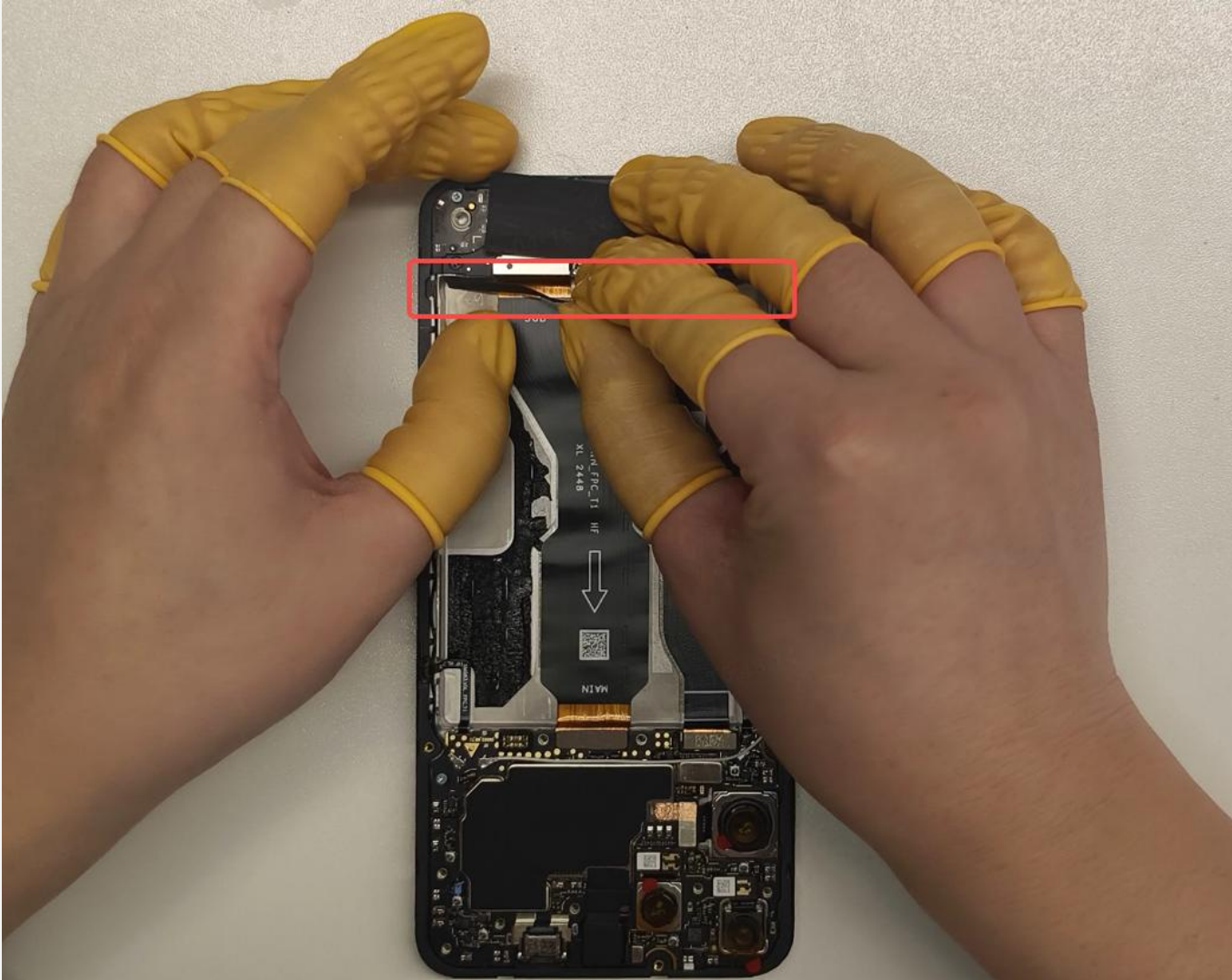
9.Assembly

13. Connect the LCM FPC connector and the main FPC connector to the mainboard. Be careful not to use excessive force to avoid damaging the BTB connectors.



9.Assembly

14. Apply the battery bottom protective foam onto the LCM assembly and gently smooth it out.



9.Assembly

15. Connect the black coaxial cable connector to the mainboard and press it in place with your finger.



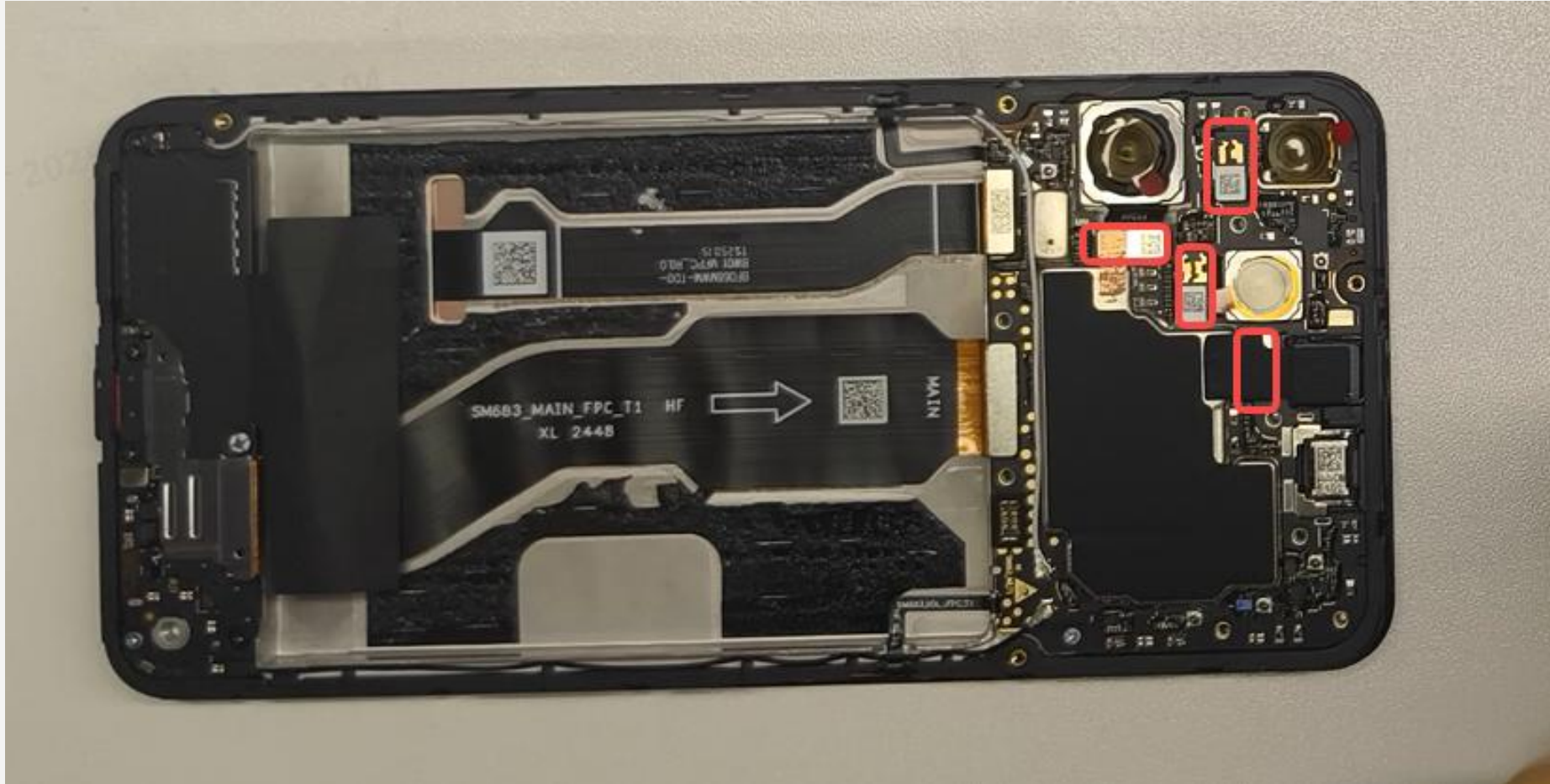
9.Assembly

16. Install the white coaxial cable into the clip on the mainboard, then connect the coaxial cable connector to the mainboard and press it in place with your finger.



9. Assembly

17. Install the four cameras (main camera, telephoto camera, wide-angle camera, and front camera) onto the mainboard, ensuring that the BTB connectors are properly secured.



9.Assembly

18. Place the battery into the battery compartment and securely connect the battery FPC connector to the mainboard.



Notice

: Before installing the battery, please replace the battery cover adhesive with a new one:

1. 750700038 Battery Adhesive 1_CMF Phone 2 Pro
2. 750400106 Battery Adhesive 2_CMF Phone 2 Pro



9.Assembly

19. 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.



9.Assembly

20. 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..



9.Assembly

21. 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



Notice
The battery images above are for technical reference only. If the battery shows signs of previous removal (such as tear marks on the easy-to-peel film), please do not reuse it during actual operations.

9.Assembly

22. Install the mainboard bracket and press the clips between the mainboard bracket and the middle frame with your hand to ensure all clips are properly secured to the middle frame.



9.Assembly

23. Use a Phillips screwdriver to tighten the 8 black cross screws.



PH00
screwdriver



Notice

1. Please ensure the correct screw model is used:
730000014 Cross Round Head Screw_HCM1.4X3.5_2.5X0.5_Black_Internal
2. Apply the new tamper-proof label in the correct position on the mainboard bracket :
Waterproof Label_3M5559_2X2mm_CMF Phone 1 & CMF Phone 2 Pro

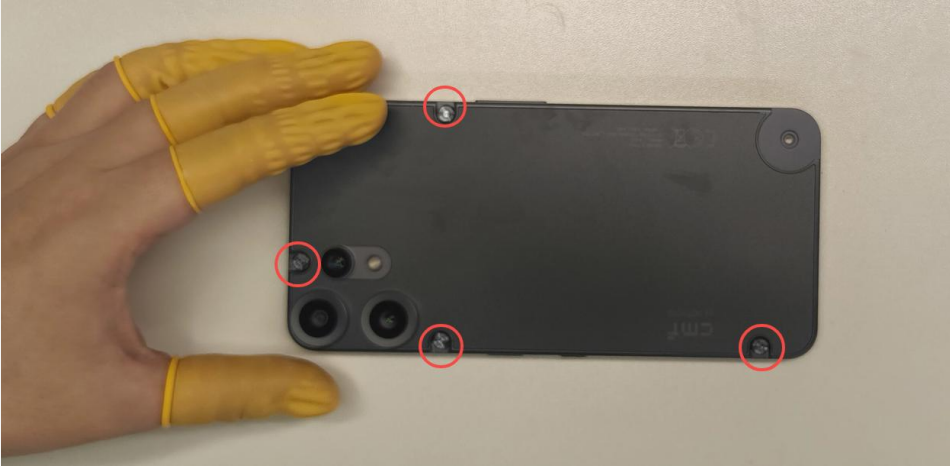
9.Assembly

24. Remove the camera protective cover. Before installing the back cover, ensure there are no foreign objects inside the phone or on the back cover. Attach the back cover to the phone and press down gently to ensure all the clips are securely fastened. After installation, check to ensure there are no gaps or unusual sounds.



9.Assembly

25. Use a flathead screwdriver to tighten the four external flathead screws. Ensure the width of the flathead screwdriver is between 4mm and 5mm. When removing or tightening the screws, hold the screwdriver steady with your thumb and index finger to prevent the screwdriver from slipping out of the



730000036	External Screw_M1.6*3_Black_CMF Phone 2 Pro	Black
730000037	External Screw_M1.6*3_Silver_CMF Phone 2 Pro	White
730000038	External Screw_M1.6*3_Light Gunmetal_CMF Phone 2 Pro	Orange/Green



Notice

Different colored phone models correspond to different external flathead screws. Please refer to the table below to match the corresponding color.

9.Assembly

26. Tighten the decorative screw at the bottom right corner of the back cover in a clockwise direction.

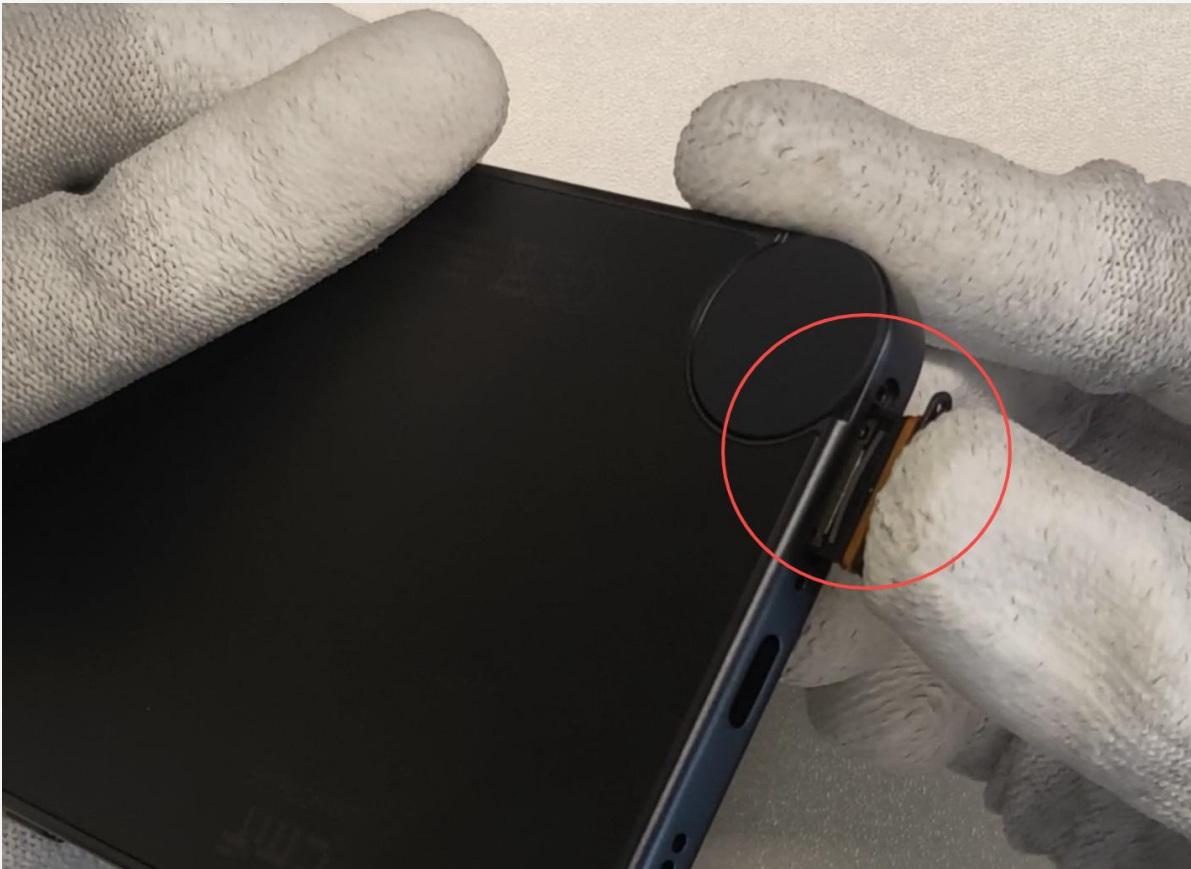


Notice

Different colored phone models correspond to different decorative screws. Please match the screw color according to the color of the phone's back cover.

9.Assembly

27. Install the SIM card tray



440900019	White Coaxial Cable_CMF Phone 2 Pro
730800043	SIM card tray_Black_CMF Phone 2 Pro
730800044	SIM card tray_White_CMF Phone 2 Pro
730800045	SIM card tray_Green_CMF Phone 2 Pro

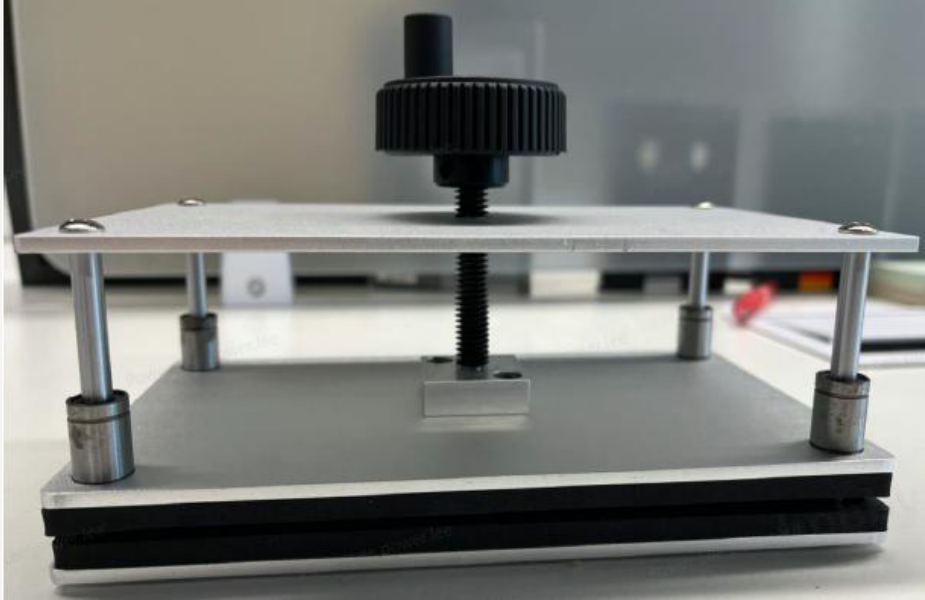


Notice

Different colored phone models correspond to SIM card trays of different colors. Please match the SIM card tray color according to the color of the phone’s back cover.

9.Assembly

28. Place the phone into the universal battery cover press fixture and apply pressure for at least 5 minutes to ensure the battery cover adhesive is activated.



Warning

The universal battery cover press fixture is relatively heavy. During the pressing operation, please avoid your hands or other parts of the body to prevent pinching injuries.

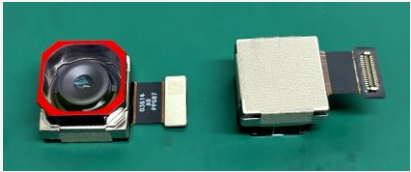
Please place The universal battery cover press fixture on a stable and firm flat surface to avoid injuries caused by the fixture falling or shifting.



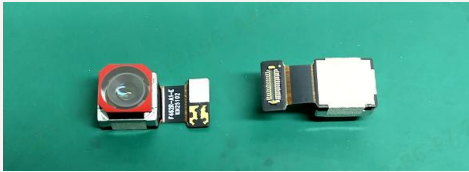
Caution

If the device has issues such as a bent or deformed middle frame, the pressing and bonding may not achieve a complete fit.

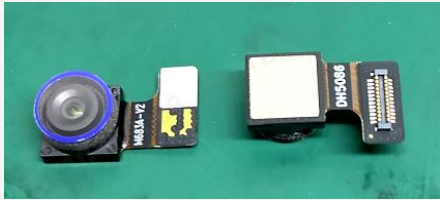
10.Spare parts introduction



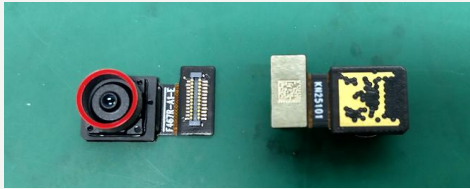
Rear main
camera_50MP_CMF Phone
2 Pro



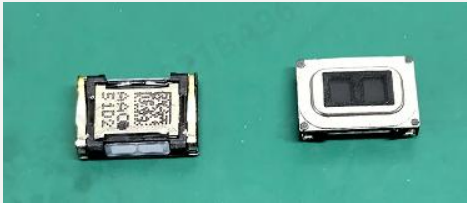
Telephoto
Camera_50MP_CMF Phone
2 Pro



Wide-angle
camera_8MP_CMF Phone 2
Pro



Front camera_16M_CMF
Phone 2 Pro



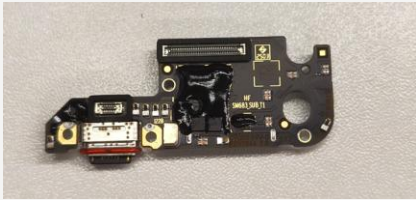
Receiver_CMF Phone 2 Pro



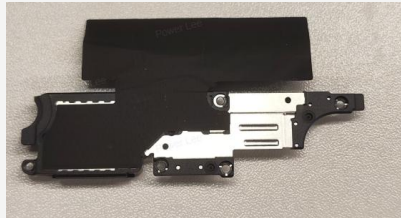
SIM card tray_Black_CMF
Phone 2 Pro



LCM_After-sales_CMF
Phone 2 Pro



USB Sub-board_After-
sales_CMF Phone 2 Pro



Speaker_After-sales_CMF
Phone 2 Pro



Battery Cover Assembly
with Lens_CMF Phone 2 Pro

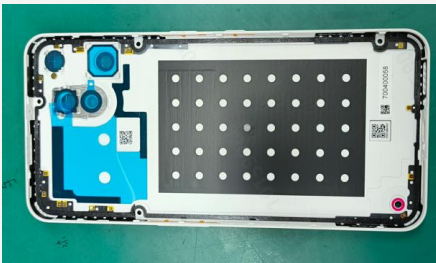
10.Spare parts introduction



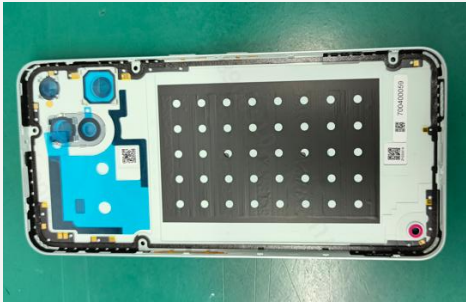
Battery_5000mAh_CMF
Phone 2 Pro



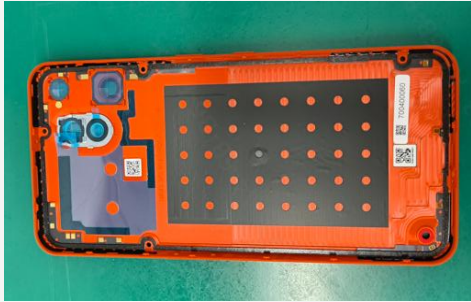
Battery Cover Assembly
with Lens_Black_CMF
Phone 2 Pro



Battery Cover Assembly
with Lens_White_CMF
Phone 2 Pro



Battery Cover Assembly
with Lens_Green_CMF
Phone 2 Pro



Battery Cover Assembly
with Lens_Orange_CMF
Phone 2 Pro



Warning

Please store batteries in a cool, dry location, away from fire, heat sources, and direct sunlight (ambient temperature is recommended not to exceed 30°C).

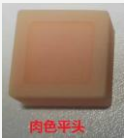
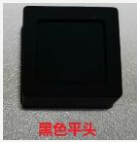
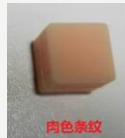
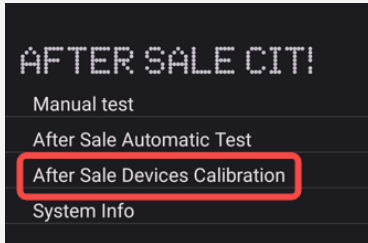
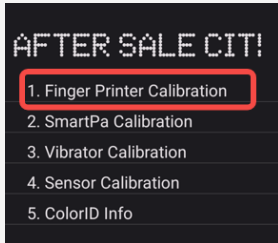
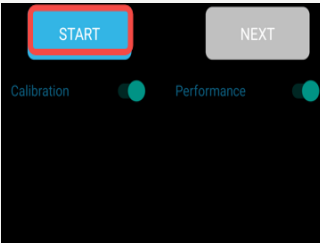
Confirm that the surrounding environment is safe and there are no flammable or combustible items. Avoid mixing them with metal objects (e.g., keys, coins) to prevent short circuits, which may cause overheating or leakage. Do not store new and old batteries together, nor mix batteries of different models. If a battery is found swollen, leaking, or damaged, discontinue storage immediately and dispose of it properly in accordance with local laws and regulations.

For daily storage of spare parts, they should be sealed, clearly labeled, and kept away from areas accessible to food, children, and pets.

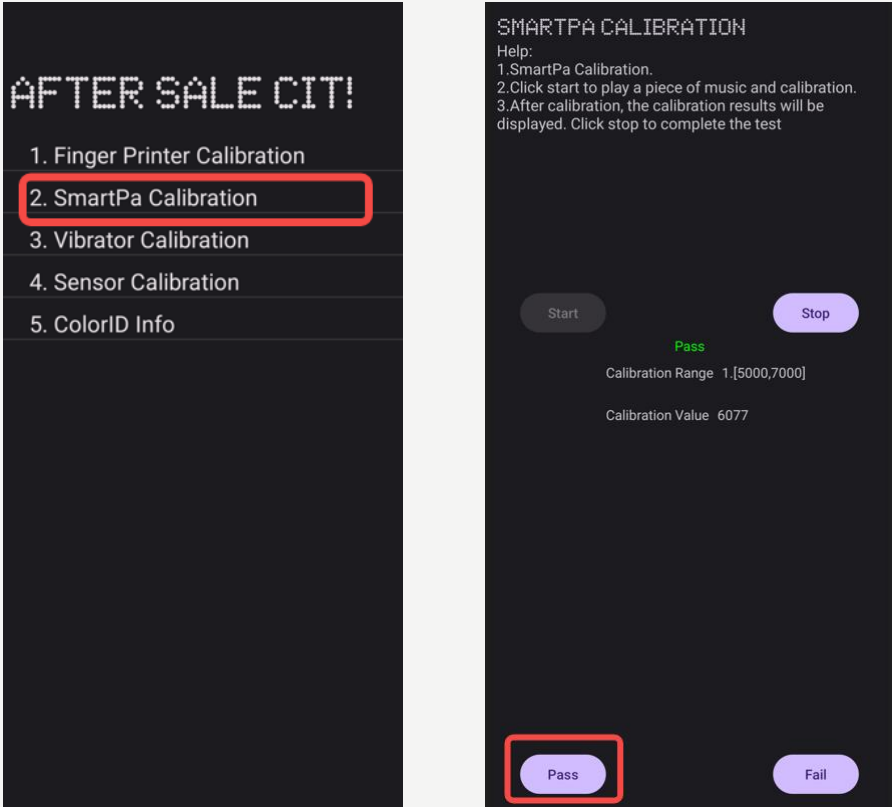
11. Function Inspection

- ◆ Commonly used engineering secret codes:
 - Aftersales Detection test code: `*##*#9#*##*`
 - IMEI query: `*#06#`
 - Get logs: `*##*#569#*##*`
- ◆ Preparation:
 - Bluetooth devices
 - Standard adapter
 - Standard Type-C cable
 - OTG cable (Type-C)
 - 2 Nano-SIM card
 - Analog headset
 - Digital headset
 - Type-C earphones

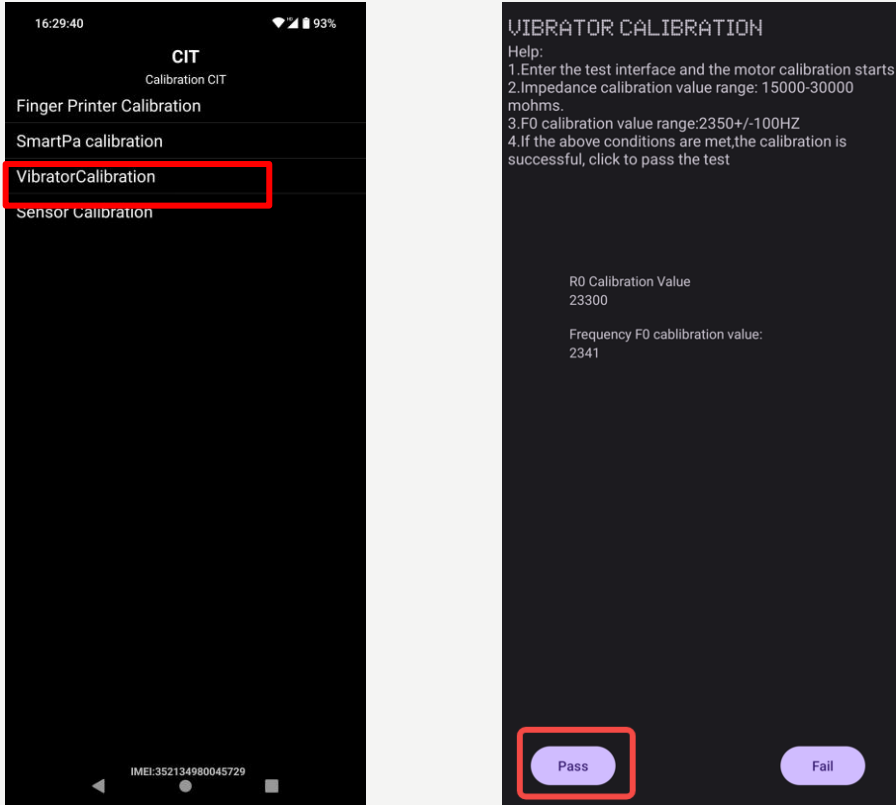
Do After Sales Calibration before start function
inspection

TEST items	Fingerprint calibration	Rev.	1.0		
※Test contents Commonly Operation: 1. Dial *##*9#*##*, chose "After Sale Devices Calibration" 2. Tap "Finger Printer calibration" 3. Click "START", then the screen display "Please Put the FLESH FLAT then click NEXT", place the larger flesh flat rubber over the fingerprint spot and click the "Next"; 4. Follow the prompt to calibrate one by one. 5. Click PASS or FAIL manually according to the result Remarks: Place the fluted side of the flesh chart rubber toward the screen.		※Operation code: 1. Aftersales Detection test code: *##*9#*##* 2. IMEI query: *#06# 3. System version query: *##*8377466#*##* ※Tools Used:    flesh flat Black flat flesh chart ※Notes: After dismantling and repairing, the fingerprint must be calibrated, otherwise it will affect the normal function of the fingerprint		※Figure:        Flesh flat strip direction	
		Prepared by : Nothing CS tech team	Pre Date		
			Rev Date		

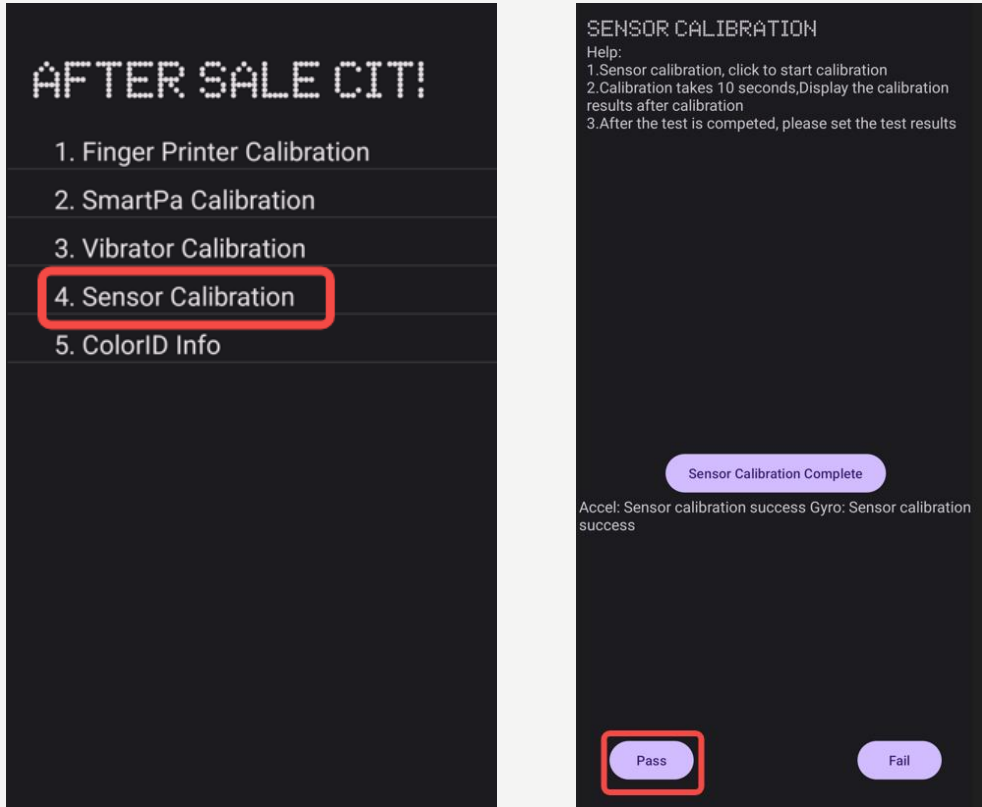
STANDARD OPERATION PROCEDURE

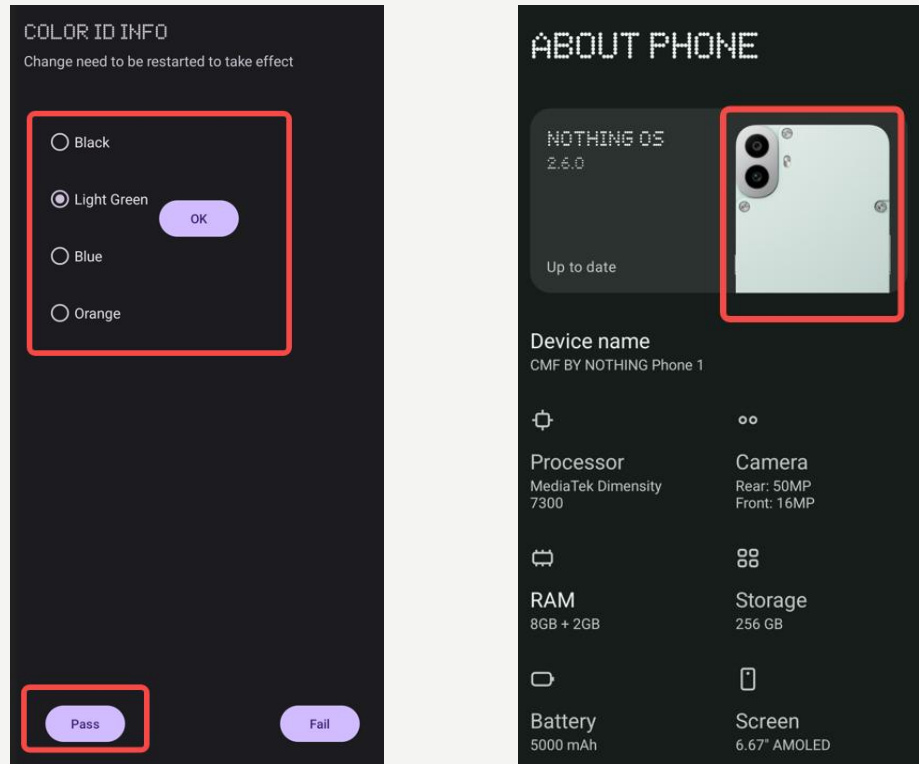
TEST items	SmartPa calibration				Rev.	1.0		
※Test contents Commonly Operation: 1. Click “SmartPa calibration” 2. Click Start to play a piece of music and calibration. 3. After calibration, the calibration results will be displayed. Click stop to complete the test. 4. Click PASS or FAIL manually according to the result		※Operation code: 1. Aftersales Detection test code: *##9##* 2. IMEI query: *#06# 3. System version query: *##8377466##*		※Figure: 				
		※Tools Used:						
		※Notes:		Prepared by : Nothing CS tech team		Pre Date		
						Rev Date		

STANDARD OPERATION PROCEDURE

TEST items	Vibration calibration	Help:			Rev.	1.0		
※Test contents	Commonly Operation: 1. Click “Vibration calibration” 2. Enter the test interface and the motor calibration starts. 3. Impedance calibration value range:15000-30000mohms. 4. F0 calibration values range: 2350±100HZ 5. If the above conditions are met, the calibration is successful, click to pass the test	※Operation code: 1. Aftersales Detection test code: *##9#*##* 2. IMEI query: *#06# 3. System version query: *##8377466#*##*	※Figure:					
		※Tools Used:						
		※Notes:	Prepared by : Nothing CS tech team					
		Pre Date						
		Rev Date						

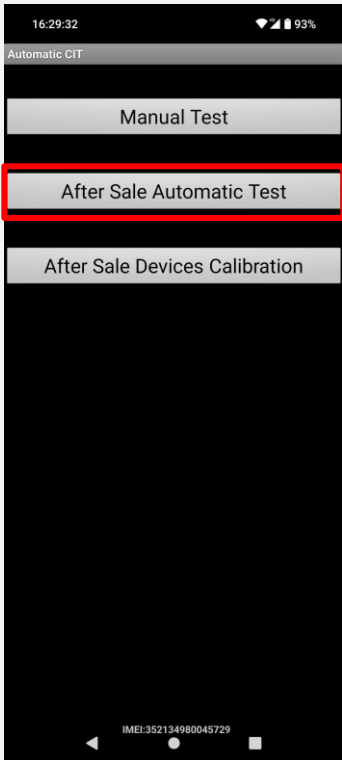
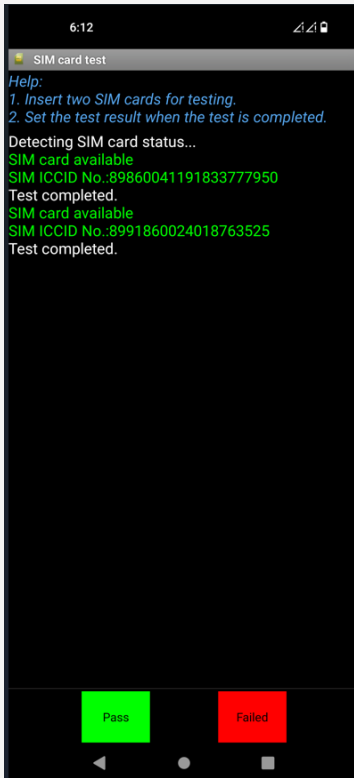
STANDARD OPERATION PROCEDURE

TEST items	Sensor calibration				Rev.	1.0		
※Test contents Commonly Operation: 1. Place the phone horizontally on the table. 2. Click “Sensor calibration” 3. Click ”Start calibration” 4. Calibration takes 10 seconds, display the calibration results after calibration 5. After the test is completed, please set the test results.		※Operation code: 1. Aftersales Detection test code: *##9##* 2. IMEI query: *#06# 3. System version query: *##8377466##*		※Figure: 				
		※Tools Used:						
		※Notes: Place the phone horizontally on the table to calibrate. Sensor related function may be affected if not have sensor calibration after repair process		Prepared by : Nothing CS tech team				Pre Date
						Rev Date		

TEST items	Color ID info calibration				Rev.	1.0		
※Test contents Commonly Operation: 1. Enter Color ID Infor 2. Select the corresponding color of the phone. Then Click OK 3. Click PASS 4. Go to Settings>>Reset the phone to the factory settings 5. Go to settings>About Phone, check the color of the phone profile, and the displayed color must be the same color as the phone itself 6. Go to the home page to check if the wallpaper's color is changed according to the color ID		※Operation code: 1. Aftersales Detection test code: *##*9##* 2. IMEI query: *#06# 3. System version query: *##*8377466##**		※Figure: 				
		※Tools Used:						
		※Notes: Phone wallpaper will be changed to the select color. And the color must be the same color as the phone itself		Prepared by : Nothing CS tech team				
						Pre Date		
				Rev Date				

Function Inspection Guidance

STANDARD OPERATION PROCEDURE

TEST items	SIM card test				Rev.	1.0		
※Test contents Commonly Operation: 1. Dial *##*9#*##*, choose “After Sale Automatic Test” 2. Insert two SIM cards for testing 3. Set the test result when the test is completed.		※Operation code: 1. Aftersales Detection test code: *##*9#*##* 2. IMEI query: *#06# 3. System version query: *##*8377466#*##*		※Figure:  				
		※Tools Used: Two Nano SIM cards						
		※Notes: Insert two Nano SIM cards, and the test result should be PASS. Otherwise test is fail.		Prepared by : Nothing CS tech team				
				Pre Date				
		Rev Date						

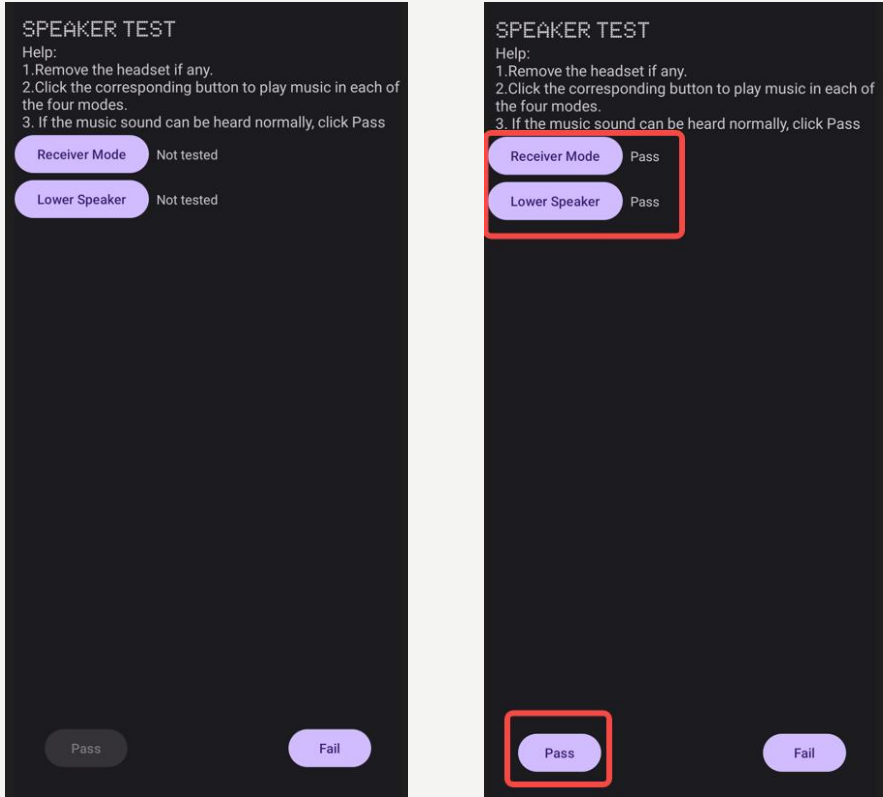
STANDARD OPERATION PROCEDURE

TEST items	Analog headset test				Rev.	1.0		
※Test contents	Commonly Operation: 1. Insert the analog headset first. 2. Once inserted, the headset automatically switches to the recording mode for voice recording via the headset microphone. 3. Press the play button to play back the sound. 4. During sound playback, determine whether the left and right parts of the headset are normal or not 5. Press the headphone volume up/down button. 6. Set the test result when the test is completed.	※Operation code:	※Figure: EARPIECE Help: 1.Insert the analog headset first. 2.Once inserted,the headset automatically switches to the recording mode for voice recording via the headset microphone. 3.Press the play button to playback the sound. 4.During sound playback, determine whether the left and right parts of the headset are normal . 5.press the headphone volume up / down button Headset volume+ Headset volume- Left channel play Right channel play Pass Fail					
		※Tools Used:						
		※Notes:						
			Prepared by : Nothing CS tech team	Pre Date				
			Rev Date					

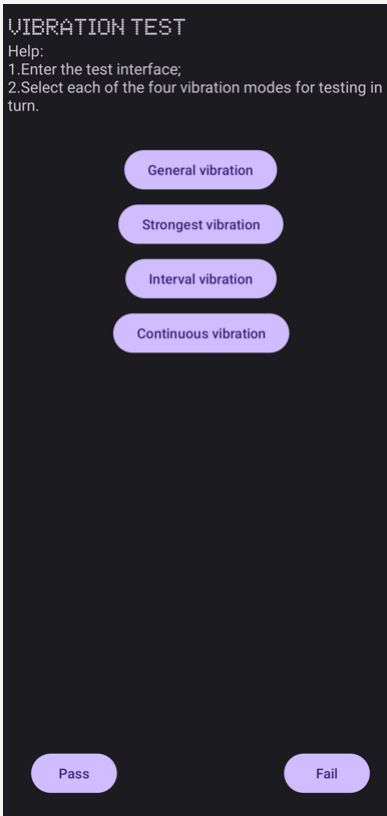
STANDARD OPERATION PROCEDURE

TEST items	Digital headset test				Rev.	1.0		
※Test contents	Commonly Operation: 1. Insert the digital headset first. 2. Once inserted, the headset automatically switches to the recording mode for voice recording via the headset microphone. 3. Press the play button to play back the sound. 4. During sound playback, determine whether the left and right parts of the headset are normal or not 5. Press the headphone volume up/down button. 6. Set the test result when the test is completed.	※Operation code:	※Figure: DIGITAL EARPIECE Help: 1.Insert the digital headset first. 2.Once inserted,the headset automatically switches to the recording mode for voice recording via the headset microphone. 3.Press the play button to playback the sound. 4.During sound playback, determine whether the headset is working normally . 5.press the headphone volume up / down button Headset volume+ Headset volume- Left channel play Right channel play Pass Fail					
		※Tools Used:						
		※Notes:						
				Prepared by : Nothing CS tech team	Pre Date			
			Rev Date					

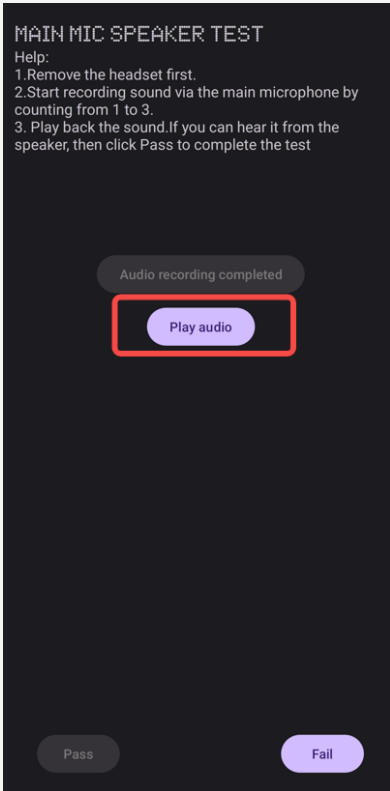
STANDARD OPERATION PROCEDURE

TEST items	Speaker test				Rev.	1.0		
※Test contents	Commonly Operation: 1. Remove the handset if any 2. Click the corresponding button to play music in each of the two modes. 3. If the music sound can be heard normally, click Pass.		※Operation code: 1. Aftersales Detection test code: *##9#*##* 2. IMEI query: *#06# 3. System version query: *##8377466#*##*		※Figure: 			
			※Tools Used:					
	※Notes: Play MP3 radio source through speaker and listen to radio carefully for a while. Check whether the voice is normal or not.		Prepared by : Nothing CS tech team		Pre Date			
					Rev Date			

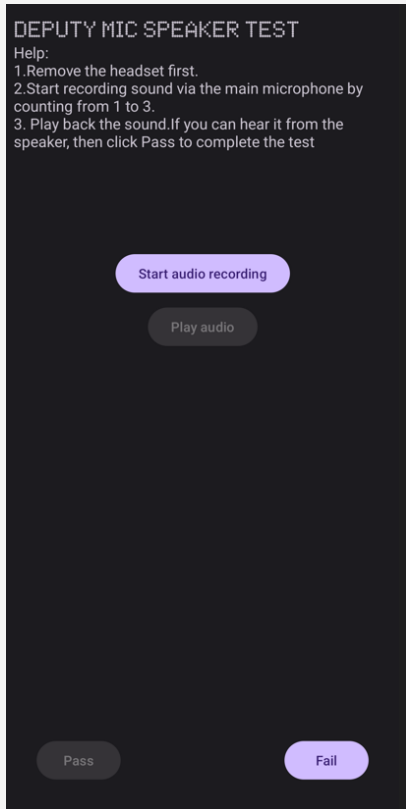
STANDARD OPERATION PROCEDURE

TEST items	Vibration test				Rev.	1.0		
※Test contents Commonly Operation: 1. Enter the test interface. 2. Select each of the four vibration modes for testing in turn.	※Operation code: 1. Aftersales Detection test code: *##9##* 2. IMEI query: *#06# 3. System version query: *##8377466##*		※Figure: 					
	※Tools Used:							
	※Notes: Check whether the vibration is normal or not		Prepared by : Nothing CS tech team					
			Pre Date					
		Rev Date						

STANDARD OPERATION PROCEDURE

TEST items	Main Mic Speaker test				Rev.	1.0		
※Test contents	Commonly Operation: 1. Remove the headset first if any 2. Start recording sound via the main microphone by counting from 1 to 3 3. After the recording is completed, click the button to play back the sound. If you can hear it from the speaker, the click pass to complete the test.		※Operation code: 1. Aftersales Detection test code: *##9##*##* 2. IMEI query: *#06# 3. System version query: *##8377466##*##*		※Figure: 			
			※Tools Used:					
			※Notes: Check whether the Main Mic is fine or not					
			Prepared by : Nothing CS tech team					
			Rev Date					

STANDARD OPERATION PROCEDURE

TEST items	Deputy Mic Speaker test				Rev.	1.0		
※Test contents	Commonly Operation: 1. Remove the headset first if any 2. Start recording sound via the sub microphone by counting from 1 to 3 3. After the recording is completed, click the button to play back the sound. If you can hear it from the speaker, the click pass to complete the test.		※Operation code: 1. Aftersales Detection test code: *##9##* 2. IMEI query: *#06# 3. System version query: *##8377466##*		※Figure: 			
			※Tools Used:					
			※Notes: Check whether the Sub Mic is fine or not					
		Prepared by : Nothing CS tech team				Pre Date		
					Rev Date			

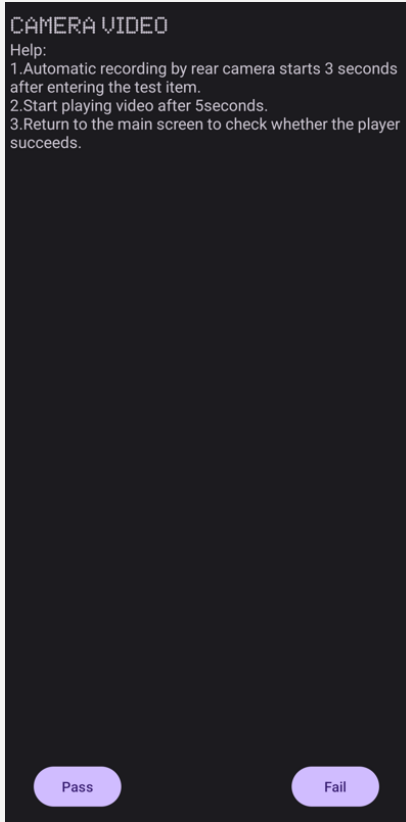
STANDARD OPERATION PROCEDURE

TEST items	Rear Camera test				Rev.	1.0		
※Test contents	Commonly Operation: 1. Tap the center of the screen to confirm if you can take a picture. 2. If you can see the images, please mark the test result as passed. Otherwise , mark it as failed		※Operation code: 1. Aftersales Detection test code: *##9##* 2. IMEI query: *#06# 3. System version query: *##8377466##*		※Figure: 			
			※Tools Used:					
			※Notes: Check whether the camera is fine or not					
	The secondary camera captures images in black and white, which is normal.				Prepared by : Nothing CS tech team		Pre Date	
							Rev Date	

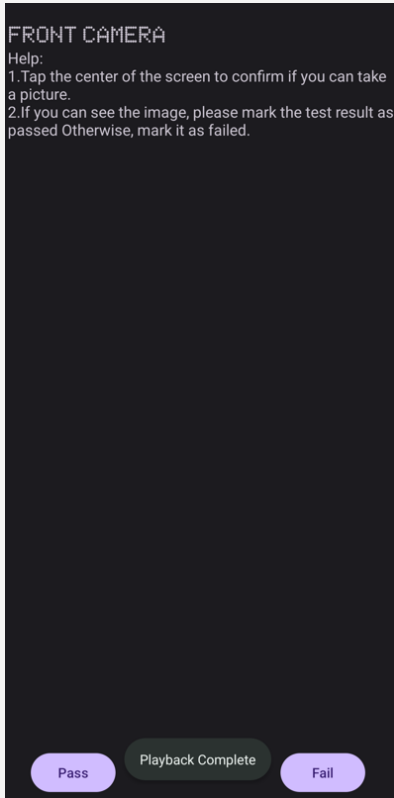
STANDARD OPERATION PROCEDURE

TEST items	Front camera test				Rev.	1.0		
※Test contents Commonly Operation: 1. Tap the center of the screen to confirm if you can take a picture. 2. If you can see the images, please mark the test result as passed. Otherwise , mark it as failed		※Operation code: 1. Aftersales Detection test code: *##9#*## 2. IMEI query: *#06# 3. System version query: *##8377466#*##		※Figure: FRONT CAMERA Help: 1.Tap the center of the screen to confirm if you can take a picture. 2.If you can see the image, please mark the test result as passed Otherwise, mark it as failed. 				
		※Tools Used:						
		※Notes: Check whether the camera is fine or not		Prepared by : Nothing CS tech team		Pre Date		
						Rev Date		

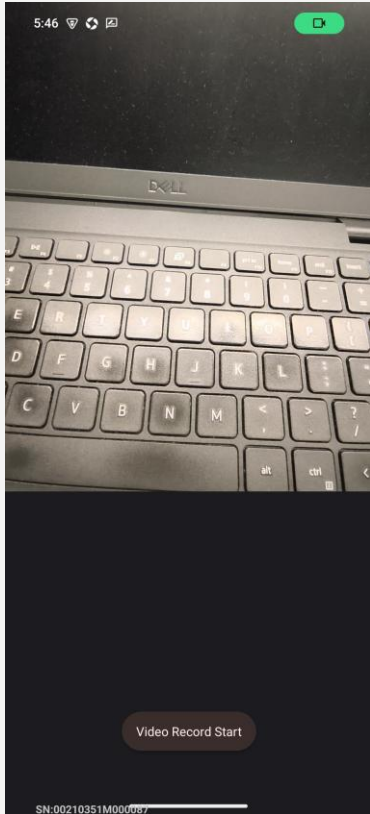
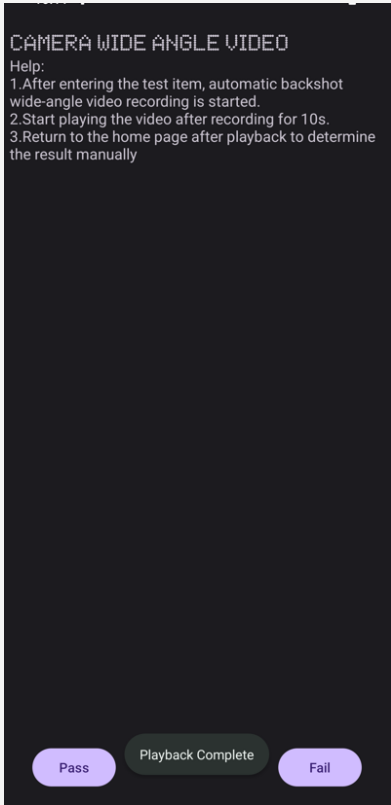
STANDARD OPERATION PROCEDURE

TEST items	Rear Camera video test				Rev.	1.0		
※Test contents Commonly Operation: 1. Automatic recording by rear camera starts 3 seconds after entering the test item. 2. Start playing the video after recording for 10s. 3. Return to the home page after playback to determine the test result manually.		※Operation code: 1. Aftersales Detection test code: *##9##* 2. IMEI query: *#06# 3. System version query: *##8377466##*		※Figure: 				
		※Tools Used:						
		※Notes: Check whether the camera video is fine or not						
				Prepared by : Nothing CS tech team		Pre Date		
				Rev Date				

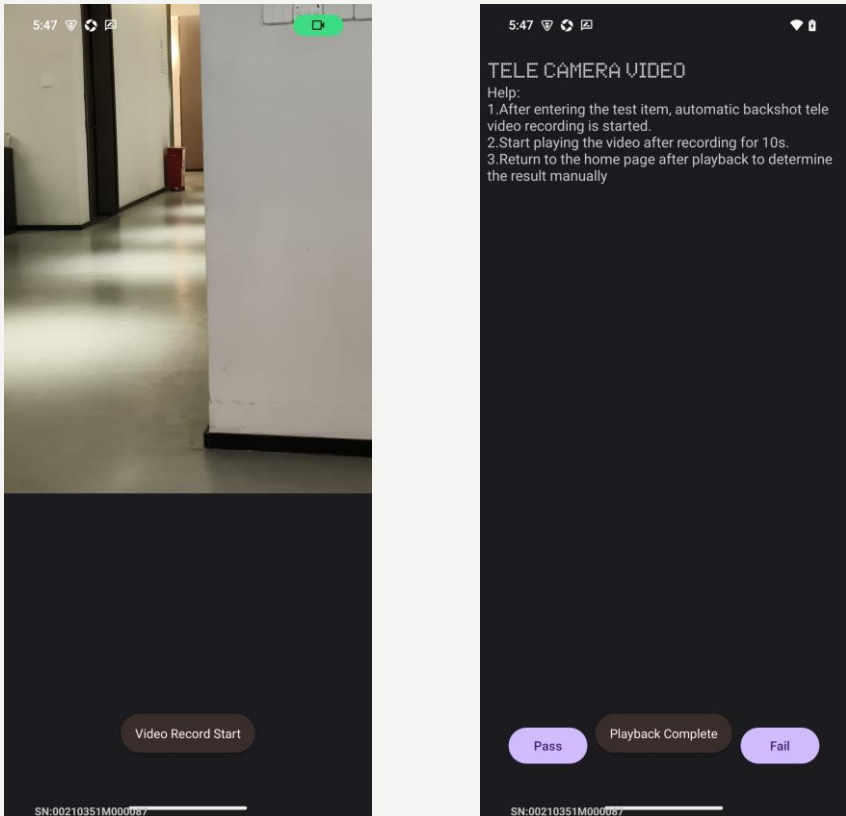
STANDARD OPERATION PROCEDURE

TEST items	Front camera video test					Rev.	1.0		
※Test contents Commonly Operation: 1. Automatic recording by rear camera starts 3 seconds after entering the test item. 2. Start playing the video after recording for 10s. 3. Return to the home page after playback to determine the test result manually.		※Operation code: 1. Aftersales Detection test code: *##9##* 2. IMEI query: *#06# 3. System version query: *##8377466##*		※Figure: 					
		※Tools Used:							
		※Notes: Check whether the front camera video is fine or not							
		Prepared by : Nothing CS tech team				Pre Date			
				Rev Date					

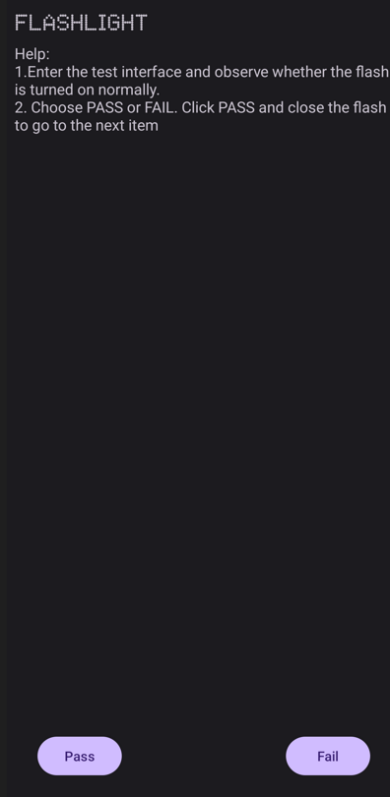
STANDARD OPERATION PROCEDURE

TEST items	Wide Angle video test				Rev.	1.0		
※Test contents Commonly Operation: 1. After entering the test item, automatic backshot wide-angle video recording is started. 2. Start playing video after 5 seconds 3. Return to the main screen to check whether the player succeeds The secondary camera captures images in black and white, which is normal.		※Operation code: 1. Aftersales Detection test code: *##9#*## 2. IMEI query: *#06# 3. System version query: *##8377466#*##		※Figure:  				
		※Tools Used:						
		※Notes: Check whether the wide angle video is fine or not		Prepared by : Nothing CS tech team		Pre Date		
				Rev Date				

STANDARD OPERATION PROCEDURE

TEST items	Tele Camera video test				Rev.	1.0		
※Test contents Commonly Operation: 1. After entering the test item, automatic backshot wide-angle video recording is started. 2. Start playing video after 5 seconds 3. Return to the main screen to check whether the player succeeds		※Operation code: 1. Aftersales Detection test code: *##9##* 2. IMEI query: *#06# 3. System version query: *##8377466##*		※Figure: 				
		※Tools Used:						
		※Notes: Check whether the wide angle video is fine or not		Prepared by : Nothing CS tech team				
				Pre Date				
				Rev Date				

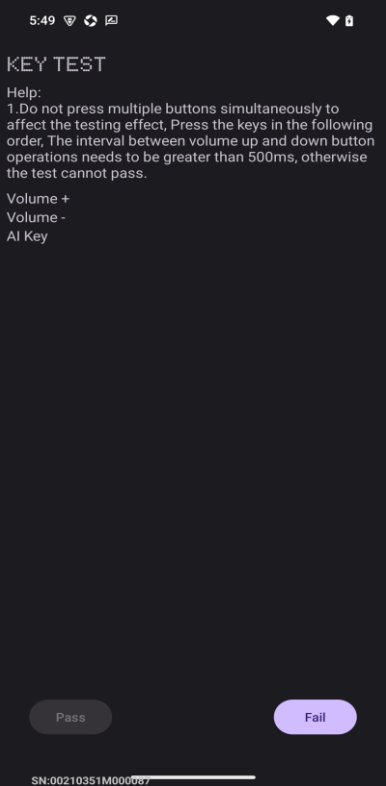
STANDARD OPERATION PROCEDURE

TEST items	Flashlight test	Rev.	1.0		
※Test contents	※Operation code: 1. Aftersales Detection test code: *##9##*##* 2. IMEI query: *#06# 3. System version query: *##8377466#*##*	※Figure: 			
	※Notes: Check whether the flash light is working normal or not.	Prepared by : Nothing CS tech team		Pre Date	
				Rev Date	

STANDARD OPERATION PROCEDURE

TEST items	Power test	Rev.	1.0		
※Test contents	※Operation code: 1. Aftersales Detection test code: *##9##*##* 2. IMEI query: *#06# 3. System version query: *##8377466#*##*	※Figure: 			
	※Notes: Check whether Power key is working normal or not.	Prepared by : Nothing CS tech team			
		Pre Date			
		Rev Date			

STANDARD OPERATION PROCEDURE

TEST items	Key test	Rev.	1.0		
※Test contents Commonly Operation: 1. Press the keys in the following order	※Operation code: 1. Aftersales Detection test code: *##9##* 2. IMEI query: *#06# 3. System version query: *##8377466##*	※Figure: 			
	※Tools Used:				
	※Notes: Check whether key is working normal or not.				
		Prepared by : Nothing CS tech team	Pre Date		
			Rev Date		

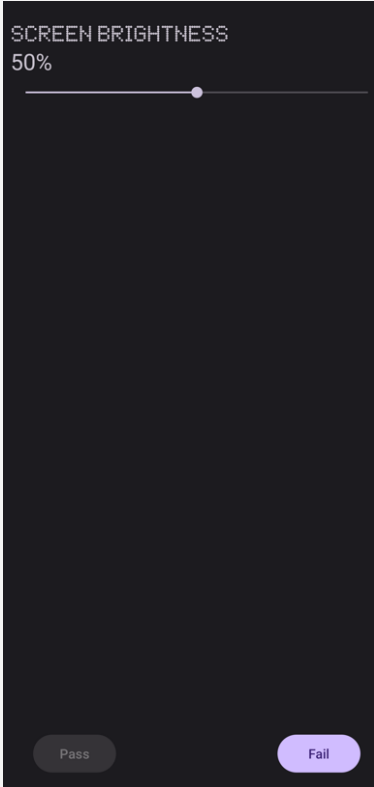
STANDARD OPERATION PROCEDURE

TEST items	PD fast charge	Rev.	1.0			
※Test contents	※Operation code: 1. Aftersales Detection test code: *##9#*##* 2. IMEI query: *#06# 3. System version query: *##8377466#*##*	※Figure: PD FAST CHARGE Help: 1.Please connect a dedicated charger. 2.If the fast charging charger is successfully connected, please observe the charging status of the interface and set the test result. 3.Please note that if the test status should meet the following conditions, this item will automatically pass. The battery status should be Being charged; The charging method shall be AC charging inProgress; The charging type shall be PD3.0; The fast charging state should be Fast charge in Progress. Battery status:Being charging Charging method:USB charging in progress Current:0 mA Battery temperature:29.0 Battery voltage:4.442 V Charging voltage:0.01 V Charge type:Non-PD3.0 Fast charge status:Fast charging not in process Pass Fail				
	※Tools Used: Standard PD fast charger Standard Type C cable					
	Please ensure the battery level is below 80%. Fast charging cannot be activated if the battery level is above 80%.	※Notes: Check whether charge is working normal or not.	Prepared by : Nothing CS tech team		Pre Date	
				Rev Date		

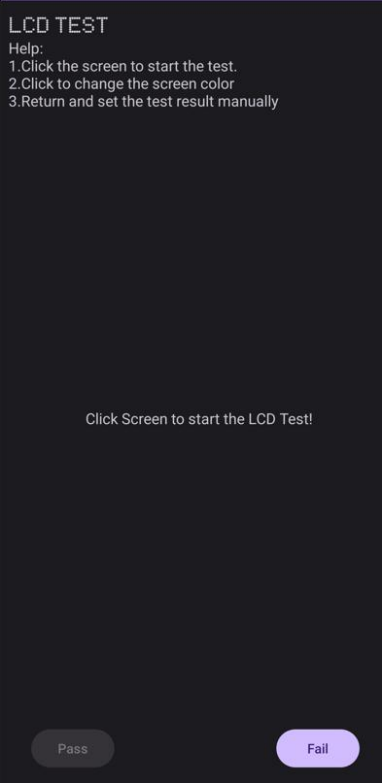
STANDARD OPERATION PROCEDURE

TEST items	OTG test	Rev.	1.0		
※Test contents	Commonly Operation: 1. Insert the OTG device for testing. 2. Please wait until the OTG capacity is read before unplugging the device. 3. Remove the OTG device, rotate it 180 degrees, and then insert it again to continue testing the other side. 4. Set the test result after the test is completed. Please insert the OTG external device twice, once in each orientation (front and back).	※Operation code: 1. Aftersales Detection test code: *##9##* 2. IMEI query: *#06# 3. System version query: *##8377466##*	※Figure: 		
		※Tools Used: OTG cable (Type C)			
		※Notes: Check whether OTG is working normal or not.			
	Prepared by : Nothing CS tech team		Pre Date		
			Rev Date		

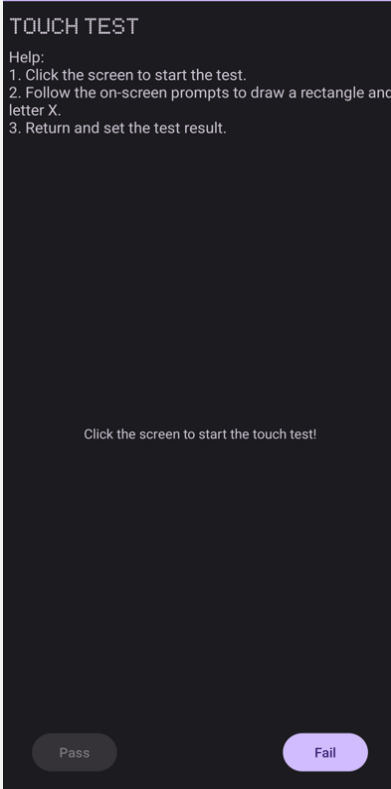
STANDARD OPERATION PROCEDURE

TEST items	Screen brightness test				Rev.	1.0		
※Test contents	Commonly Operation: 1. Manually adjust the brightness to see if the screen brightness is normal or not		※Operation code:		※Figure: 			
			※Tools Used:					
			※Notes:					
			Adjust the LCD bright control button from lowest to highest and display brightness should change from dimmest to brightest at the same time. Otherwise test is fail.		Prepared by : Nothing CS tech team		Pre Date	
						Rev Date		

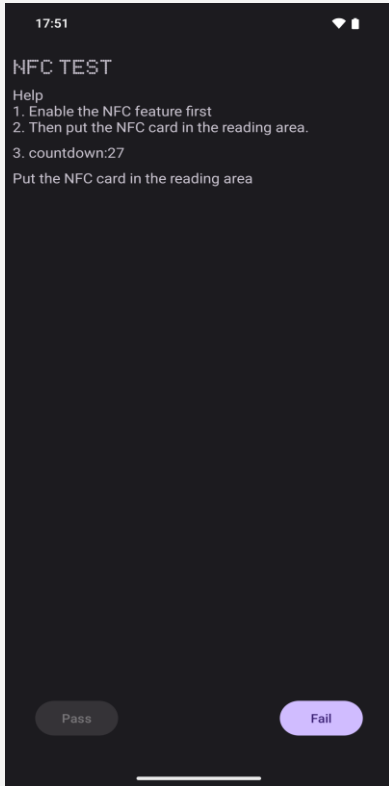
STANDARD OPERATION PROCEDURE

TEST items	LCD test	Rev.	1.0		
※Test contents	※Operation code: 1. Aftersales Detection test code: *##9#*##* 2. IMEI query: *#06# 3. System version query: *##8377466#*##*	※Figure: 			
	※Notes: Click the touchscreen, change photos with different colors and check whether there is any spot, any line, any other abnormal phenomenon or not.	Prepared by : Nothing CS tech team			
		Pre Date			
		Rev Date			

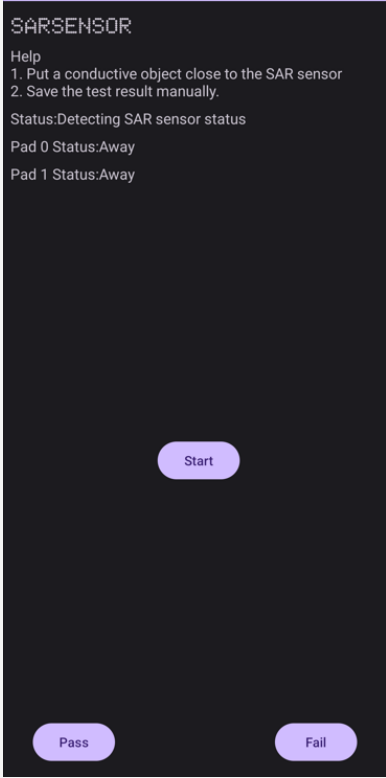
STANDARD OPERATION PROCEDURE

TEST items	Touch test	Rev.	1.0		
※Test contents	※Operation code: 1. Aftersales Detection test code: *##9#*##* 2. IMEI query: *#06# 3. System version query: *##8377466#*##*	※Figure: 			
	※Tools Used:				
	※Notes: Check whether touchscreen is working normal or not.				
		Prepared by : Nothing CS tech team		Pre Date	
				Rev Date	

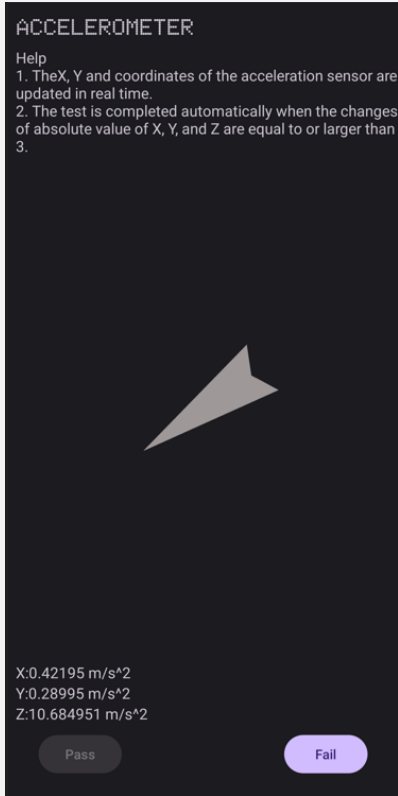
STANDARD OPERATION PROCEDURE

TEST items	NFC test					Rev.	1.0		
※Test contents	Commonly Operation: 1. Enable the NFC feature first. 2. Then put the NFC card in the reading area. 3. Manually determine the test result according to the displayed result Note: India version has no NFC feature		※Operation code:		※Figure: 				
			※Tools Used:						
			※Notes:						
			Check whether NFC is working normal or not.		Prepared by : Nothing CS tech team		Pre Date		
							Rev Date		

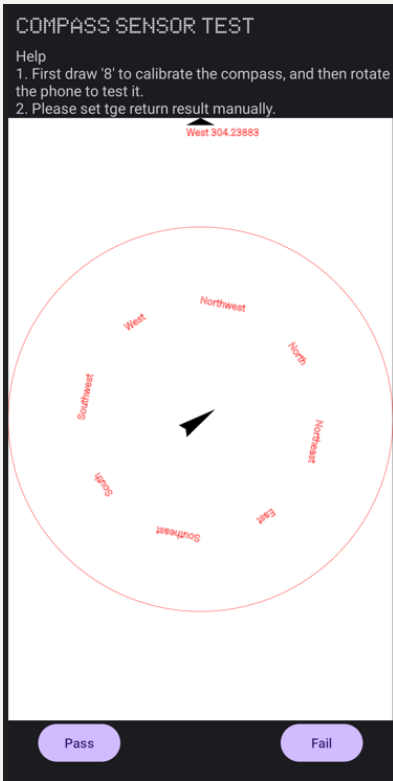
STANDARD OPERATION PROCEDURE

TEST items	Sar Sensor test				Rev.	1.0		
※Test contents Commonly Operation: 1. Click “start” 2. During the testing, hold the upper and lower parts of the phone separately once each. 3. Save the test result manually		※Operation code: 1. Aftersales Detection test code: *##9##* 2. IMEI query: *#06# 3. System version query: *##8377466##*		※Figure: 				
		※Tools Used:						
		※Notes: Check whether Sar sensor is working normal or not.						
				Prepared by : Nothing CS tech team		Pre Date		
				Rev Date				

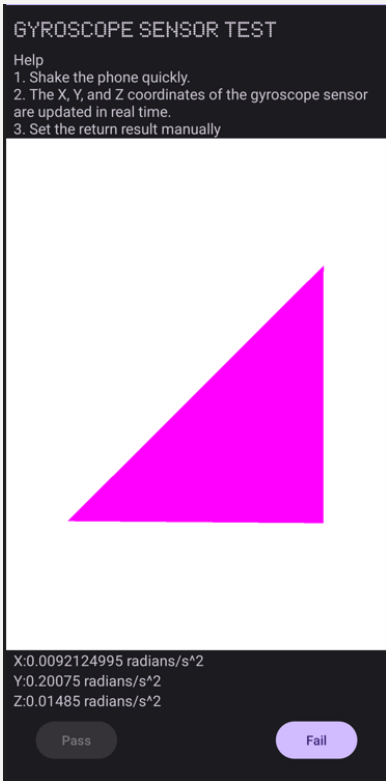
STANDARD OPERATION PROCEDURE

TEST items	Accelerometer sensor test				Rev.	1.0		
※Test contents Commonly Operation: 1. The X,Y, and Z coordinates of the acceleration sensor are updated in real time. 2. The test is completed automatically when the changes of absolute value of X,Y, and Z are equal to or larger than 3		※Operation code: 1. Aftersales Detection test code: *##9#*## 2. IMEI query: *#06# 3. System version query: *##8377466#*##		※Figure: 				
		※Tools Used:						
		※Notes: Check whether Accelerometer is working normal or not.						
		Prepared by : Nothing CS tech team				Pre Date		
				Rev Date				

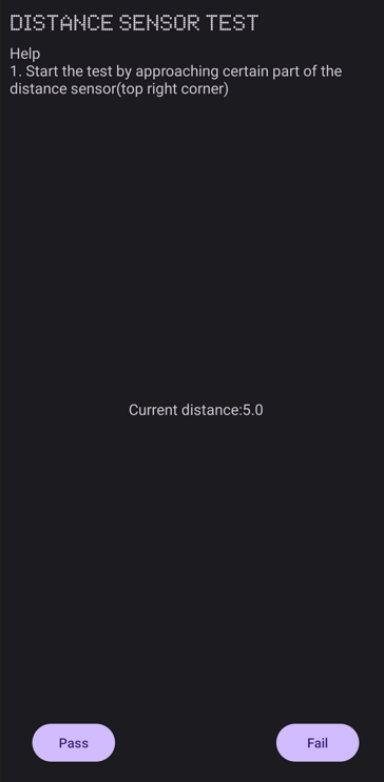
STANDARD OPERATION PROCEDURE

TEST items	Compass sensor test				Rev.	1.0			
※Test contents	※Operation code: 1. Aftersales Detection test code: *##9##*##* 2. IMEI query: *#06# 3. System version query: *##8377466#*##*		※Figure: 						
								※Tools Used:	
								※Notes: Check whether compass is working normal or not.	
				Prepared by : Nothing CS tech team		Pre Date			
						Rev Date			

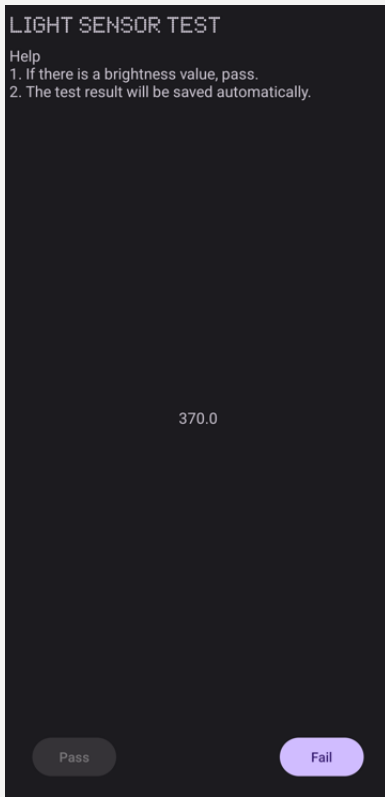
STANDARD OPERATION PROCEDURE

TEST items	Gyroscope sensor test				Rev.	1.0		
※Test contents Commonly Operation: 1. Shake the phone quickly. 2. The X,Y, and Z coordinates of the gyroscope sensor are updated in real time. 3. Set the return result manually.		※Operation code: 1. Aftersales Detection test code: *##9##* 2. IMEI query: *#06# 3. System version query: *##8377466##*		※Figure: 				
		※Tools Used:						
		※Notes: Check whether gyroscope is working normal or not.						
						Prepared by : Nothing CS tech team		Pre Date
						Rev Date		

STANDARD OPERATION PROCEDURE

TEST items	Distance sensor test				Rev.	1.0		
※Test contents	Commonly Operation: 1. Start the test by approaching certain part of the distance sensor.		※Operation code:	※Figure: 				
			※Tools Used:					
			※Notes:					
			Check whether distance sensor is working normal or not.	Prepared by : Nothing CS tech team		Pre Date		
						Rev Date		

STANDARD OPERATION PROCEDURE

TEST items	Light					Rev.	1.0		
※Test contents Commonly Operation: 1. If there is a brightness value, PASS 2. The test result will be saved automatically	※Operation code: 1. Aftersales Detection test code: *##9##* 2. IMEI query: *#06# 3. System version query: *##8377466##*		※Figure: 						
	※Tools Used:								
	※Notes: Check whether light sensor is working normal or not.		Prepared by : Nothing CS tech team						
			Pre Date						
		Rev Date							

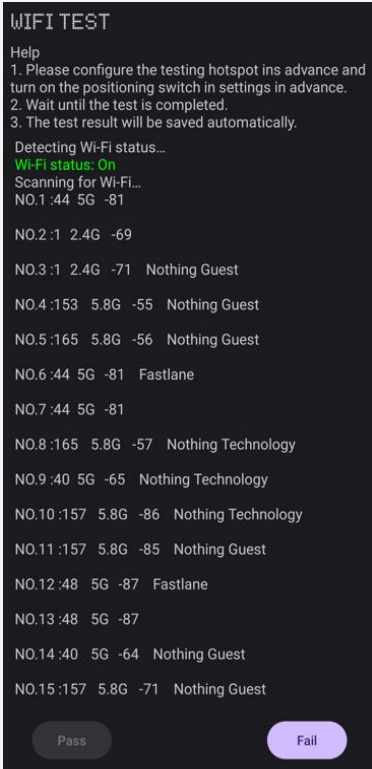
STANDARD OPERATION PROCEDURE

TEST items	Fingerprint				Rev.	1.0		
※Test contents Commonly Operation: 1. Place the fingers on the fingerprint area to simulate user fingerprint input. 2. The test result will be saved automatically 								

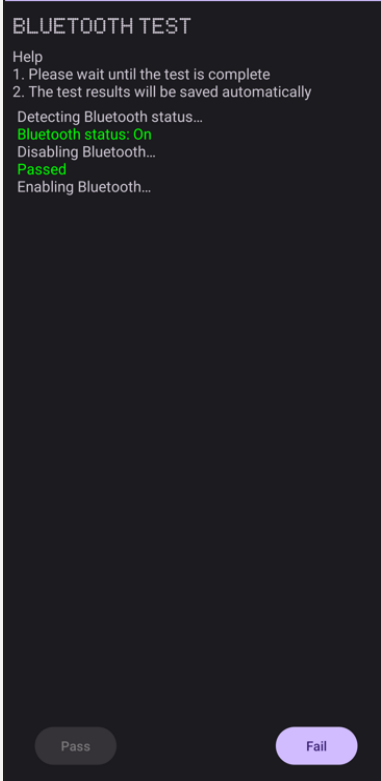
STANDARD OPERATION PROCEDURE

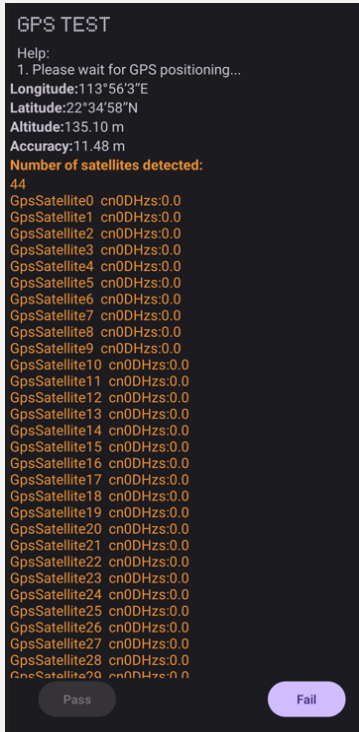
TEST items	Battery test				Rev.	1.0		
※Test contents	Commonly Operation: 1. Check if the battery status is normal 2. Save the test result manully		※Operation code:		※Figure: BATTERY Help: 1. Check if the battery status is normal. 2. Please save the test result manually Battery status:Being discharged Battery level:97% Current:269 Battery temperature:32.0(10℃－40℃) Battery voltage:4.405V Battery health indication:Good Pass Fail			
			※Tools Used:					
			※Notes:					
					Prepared by : Nothing CS tech team		Pre Date	
						Rev Date		

STANDARD OPERATION PROCEDURE

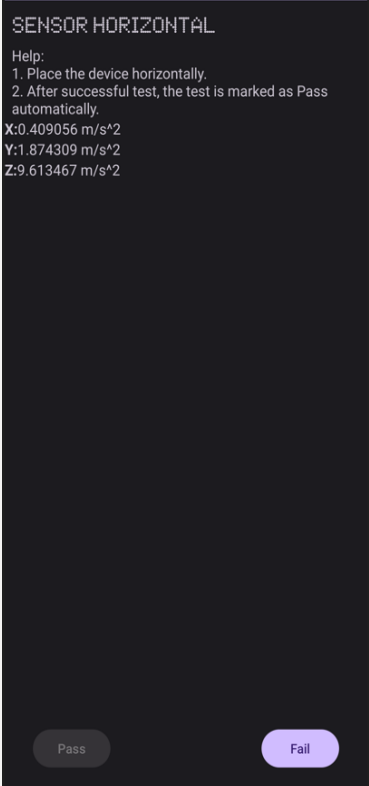
TEST items	Wi-Fi test				Rev.	1.0		
※Test contents Commonly Operation: 1. Configure the test hotspot in advance 2. Wait until the test is completed. 3. The test result will be saved automatically.		※Operation code: 1. Aftersales Detection test code: *##9##* 2. IMEI query: *#06# 3. System version query: *##8377466##*		※Figure: 				
		※Tools Used:						
		※Notes: Check whether WIFI is working normal or not.						
						Prepared by : Nothing CS tech team		Pre Date
						Rev Date		

STANDARD OPERATION PROCEDURE

TEST items	Bluetooth test				Rev.	1.0		
※Test contents	Commonly Operation: 1. Please wait until the test is completed. 2. The test result will be saved automatically.		※Operation code:	※Figure: 				
			1. Aftersales Detection test code: *##9##*					
			2. IMEI query: *#06# 3. System version query: *##8377466##*					
			※Tools Used:					
			※Notes:					
							Pre Date	
							Rev Date	

TEST items	GPS test				Rev.	1.0		
※Test contents Commonly Operation: 1. Place the mobile phone in an open area so that it can receive signals from satellites in the sky. Please wait patiently until the satellite search is complete. 2. The test result will be saved automatically. Note: You can place the phone close to the window, near the sky, in a location with less obstruction for testing.	※Operation code: 1. Aftersales Detection test code: *##9##* 2. IMEI query: *#06# 3. System version query: *##8377466##*		※Figure: 					
	※Tools Used:							
	※Notes: Check whether GPS is working normal or not.		Prepared by : Nothing CS tech team					
	Pre Date							
Rev Date								

STANDARD OPERATION PROCEDURE

TEST items	Sensor Horizontal	Rev.	1.0		
※Test contents	※Operation code: 1. Aftersales Detection test code: *##9##*##* 2. IMEI query: *#06# 3. System version query: *##8377466#*##*	※Figure: 			
	※Notes: Check whether Sensor Horizontal is working normal or not.	Prepared by : Nothing CS tech team		Pre Date	
				Rev Date	

STANDARD OPERATION PROCEDURE

TEST items	Light Leaking				Rev.	1.0		
※Test contents	Commonly Operation: 1. When you enter this test item, the screen brightness will be automatically maximized. 2. Cover a certain part of the light sensor. If the brightness level is not lower than 300lux, the luminous intensity is strong, otherwise it is weak. 3. The test result will be saved automatically.	※Operation code: 1. Aftersales Detection test code: *##9#*## 2. IMEI query: *#06# 3. System version query: *##8377466#*##	※Figure: LIGHT SENSOR LEAKAGE TEST Help: 1. When you enter this test item, the screen brightness will be automatically maximized. 2. Cover a certain part of the light sensor (front camera area). If the brightness level is not lower than 300lux, then luminous intensity is strong; otherwise it is weak. 3. The test results will be saved automatically. Brightness level:391.0 Pass Fail					
		※Tools Used:						
		※Notes: Check whether light leaking sensor is working normal or not.						
					Prepared by : Nothing CS tech team	Pre Date		
				Rev Date				

11.Function Inspection

◆ All test items should be PASS

SIM	Pass
Speaker	Pass
Vibration	Pass
MainMicSpeaker	Pass
DeputyMicSpeaker	Pass
Camera	Pass
Front Camera	Pass
Camera Video	Pass
Front Camera Video	Pass
Camera Wide Angle Video	Pass
Flashlight	Pass
Light strip	Pass
Light strip Manual	Pass
Power Test	Pass
Key Test	Pass
PD Fast Charge Test	Pass
OTG Test	Pass
Screen Brightness Test	Pass
Lcd Test	Pass
Touch	Pass
SarSensor	Pass
NFC Test	Pass
Accelerometer	Pass
Compass	Pass
Gyroscope	Pass
Distance	Pass
Light	Pass
FingerPrint	Pass
Battery	Pass
Wifi Test	Pass
Bluetooth Test	Pass
GPS	Pass
SensorHorizontal	Pass
LightLeaking	Pass

Test results, please upload to the RMA system if conditions allow.

◆ Failed functional tests are not accepted

SIM	Fail
Speaker	Pass
Vibration	Fail
MainMicSpeaker	Pass
DeputyMicSpeaker	Fail
Camera	Pass
Front Camera	Pass
Camera Video	Fail
Front Camera Video	Pass
Camera Wide Angle Video	Pass
Flashlight	Pass
Light strip	Fail
Light strip Manual	Pass
Power Test	Pass
Key Test	Pass
PD Fast Charge Test	Pass
OTG Test	Pass
Screen Brightness Test	Pass
Lcd Test	Pass
Touch	Pass
SarSensor	Pass
NFC Test	Pass
Accelerometer	Pass
Compass	Pass
Gyroscope	Pass
Distance	Pass
Light	Pass
FingerPrint	Fail
Battery	Pass
Wifi Test	Pass
Bluetooth Test	Pass
GPS	Fail
SensorHorizontal	Pass
LightLeaking	Pass

Thank you !