

Self-service Repair Manual for vivo Y04&Y29s 5G

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1 About this manual

1.1 Purpose

This manual is intended to guide DIY hobbyists with certain hands-on skills and repair experience in replacing official components of vivo phones.

1.2 Caution

All features, characteristics, specifications, and other device information provided in this manual, including but not limited to device advantages, design, pricing, components, performance, availability, and functionality, are subject to change without prior notice. vivo reserves the right to modify this manual or any descriptions herein at any time without the obligation to give notice of such modifications. Please read through this manual carefully before repair. If you do not meet the repair conditions, do not disassemble the device. You may visit a vivo customer service center for repairs.

1.2.1 Repair notes

Warning: Failure to follow the instructions herein or the use of non-official vivo components or improper tools may damage the device, its components, or other property; impair device functionality and water resistance; and in severe cases, cause fires or other safety hazards, leading to personal injury or death.

(1) vivo assumes no liability for any damage or defects resulting from repairs made by unauthorized carriers, yourself, or other non-professionals. vivo is not responsible for any device damage, personal injury, or other safety consequences caused by failure to follow this manual.

(2) Any damage or defects resulting from attempts to repair the device by anyone other than a vivo-certified service provider are not covered by the warranty.

(3) We recommend that you use only official tools for repairing. Most electronic components are sensitive to electromagnetic forces, and low-quality tools may easily damage your device. For tool details, see Section 3.1.

(4) We recommend that you use only official spare parts. Third-party spare parts may not function properly and may cause fires or personal injury.

(5) Some components, such as laser focusing/proximity/fingerprint sensors, rear cameras, touchscreen panels, and speakers, may require calibration to ensure their performance after repair.

(6) The water and dust resistance of a device repaired by yourself or other non-professionals cannot be guaranteed.

(7) If you need to access device fault data or obtain more detailed diagnostics, please visit a vivo customer service center.

(8) If you need to replace components that are unavailable on the market, please visit a vivo customer service center for further assistance.

(9) Before making repairs, back up important data stored in the device.

(10) Before making repairs, wear proper safety gear. vivo is not responsible for any injury due to failure to wear proper safety gear. For details of the required disassembly and assembly tools, see Section 3.1.

(11) Make repairs in a safe location.

(12) Before making repairs, make sure that the device is powered off and its battery is fully discharged.

(13) If the device is damaged, emits smoke, or produces a burning smell, stop repairing it immediately and contact vivo customer service. If a fire is started, extinguish it with a carbon dioxide or dry powder fire extinguisher, specialized foam, sand, soil, gravel, or a dedicated lithium-ion battery fire suppressant.

(14) When repairing the device, wear protective gear such as safety goggles, gloves, and masks.

(15) When removing the back cover, take care not to damage the device. Before reassembling the device, make sure that no free screws or foreign objects are left around the battery.

(16) During reassembly, inspect the back cover for abnormalities before reinstalling it. Avoid impact or pressure on the battery to prevent damage. If the battery is damaged, please visit a vivo customer service center.

1.2.2 ESD precautions

Electrostatic discharge (ESD) is a sudden flow of electric current between two charged objects due to contact, a short circuit, or dielectric breakdown. ESD negatively affects mobile devices, particularly their electronic components.

(1) We recommend that you wear anti-static wrist straps and gloves, and use anti-static mats when you repair the device.

(2) Increase airflow in the work area to reduce the likelihood of accidental ESD. In an environment with low humidity, such as an air-conditioned room, ESD is more likely to happen.

2 Warranty

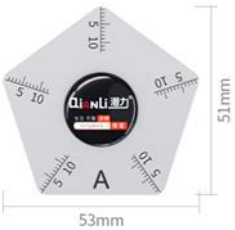

2.1 A 90-day warranty is provided for official spare parts. If any quality issues arise with them within that period, you may contact vivo for a replacement.





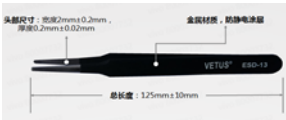
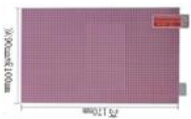
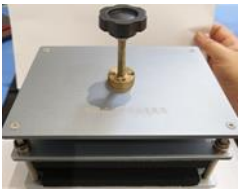



2.2 A device repaired by anyone other than a vivo-authorized service provider is not covered by the warranty, and you will bear the repair costs.

2.3 Any damage caused during self-service repairs will be your responsibility.

3 Tools

3.1 Hardware tools

Tool name	Photo	Usage
Metal pry pick (with a scale)		Disassembling the display module
triangular prying pick		Remove the middle frame

Screwdriver kit (rubber-grip dual-purpose screwdriver, 6 × 100 mm)		Removing and installing screws
PET pry sheet		Removing the back cover and display module
Suction cup		Removing the back cover
Anti-static carbon fiber tweezers (with pointed tips)		Removing board-to-board (BTB) and coaxial cable connectors
Metal flat-head tweezers		Removing the M board and ANA board, or cleaning adhesive
Anti-shatter film		Preventing glass shattering on screen / back cover
Universal pressure fixture		Securing the screen or back cover
Electrical insulation tape, 3M, black, 17 mm		Optical calibration
False finger, flesh-colored, 20 × 20 × 12 mm		Testing electro-optical fingerprint recognition
False finger, black, 22 × 22 × 12 mm		Testing electro-optical fingerprint recognition

Heating pad (default temperature: 65°C)		Heating the back cover and screen
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3.1.1 Tool purchase

Official purchase link: <https://www.vivo.com/eu/view/support/aboutSelfServiceRepair?code=selfServiceRepair>

3.2 Software update and software tools (to be confirmed after software release)

3.2.1 Software update via FOTA

- To update software, go to Settings > System Update.
- If the system is already of the latest version, no update is needed.
- If a software update is available, you can set the time for automatic update.

Note:

1. Updating software via mobile data may incur additional fees.
2. If the latest software has been downloaded to the device, these options do not take effect.

3.2.2 Self-diagnosis

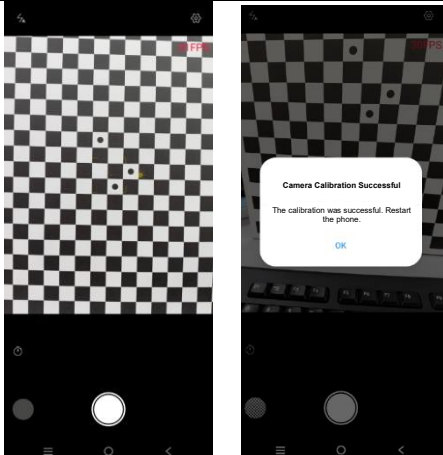
Before and after repair, perform a self-diagnosis to check if the device functions properly.

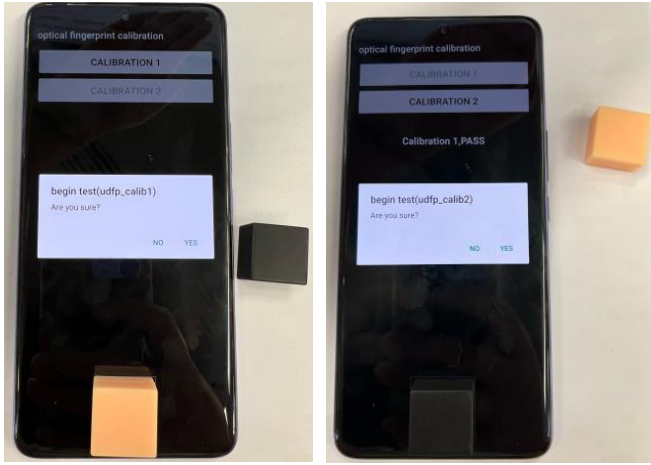
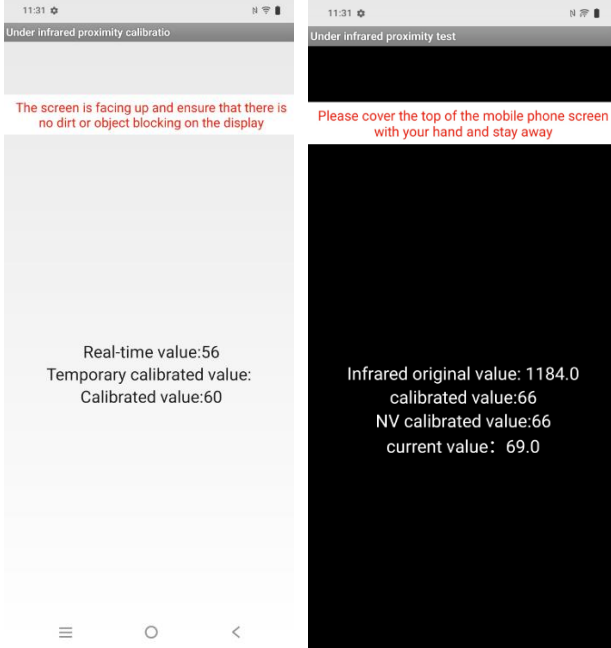
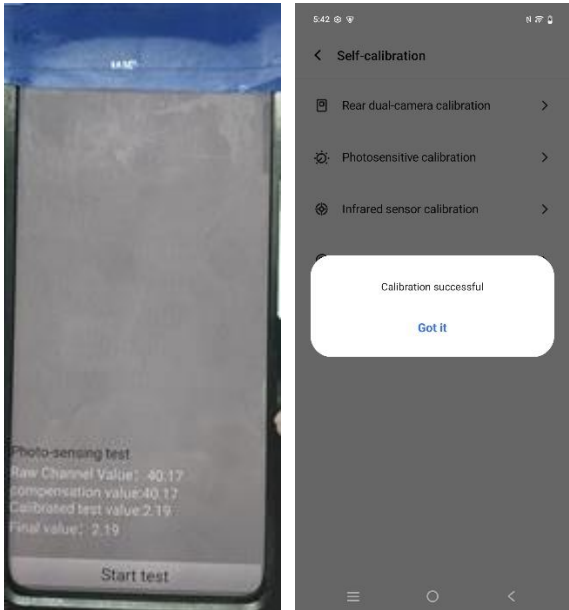
Open the vivo Store / vivo.com app, go to Support > Hardware Test > Self-calibration, and enter the calibration code "SELFREPAIR" to perform the check.

3.2.3 Self-calibration on the vivo Store / vivo.com app

You can perform calibration after replacing the display or camera, such as the calibration of the rear cameras (for devices with two or more rear cameras), in-display fingerprint scanner, infrared proximity sensor, and ambient light sensor. The calibration ensures proper functionality of components after repairs.




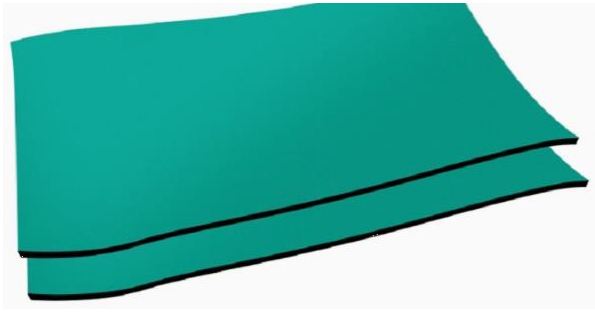
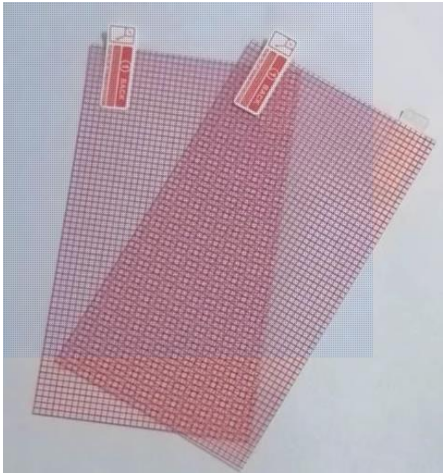
The following table describes calibration items and instructions.

Calibration item	Instruction	Illustration	Description
Rear cameras	Open the vivo Store / vivo.com app, go to Support > Hardware Test > Self-calibration, enter the calibration code "SELFREPAIR", tap Rear dual-camera calibration, and calibrate the cameras.		This calibration is required after M board disassembly or replacement of any rear camera.

In-display fingerprint scanner	Open the vivo Store / vivo.com app, go to Support > Hardware Test > Self-calibration, enter the calibration code "SELFREPAIR", tap Screen finger calibration, and calibrate the fingerprint scanner.		This calibration is required after replacement of the display assembly, display module, or fingerprint module.
Infrared proximity sensor	Open the vivo Store / vivo.com app, go to Support > Hardware Test > Self-calibration, enter the calibration code "SELFREPAIR", tap Infrared proximity sensor calibration, and calibrate the infrared proximity sensor.		This calibration is required after M board disassembly or replacement of the display assembly or display module.
Ambient light sensor	Open the vivo Store / vivo.com app, go to Support > Hardware Test > Self-calibration, enter the calibration code "SELFREPAIR", tap Photosensitive calibration, and calibrate the ambient light sensor.		This calibration is required after M board disassembly or replacement of the display assembly or display module.

3.3 Protective tools

Tool name	Photo	Usage
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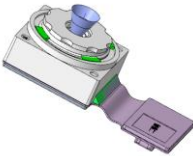
Safety goggles		Preventing liquid/splinter splashes from hurting your eyes during repairs
Anti-static cut-resistant gloves		Preventing ESD damage and cuts during repairs
Anti-static wrist strap		Preventing ESD damage to the device during repairs
Anti-static mat		Preventing ESD damage to the device during repairs
Anti-shatter film		Preventing device damage or personal injury due to screen or back cover shattering

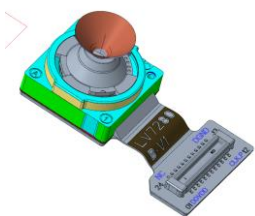

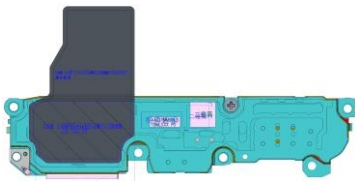

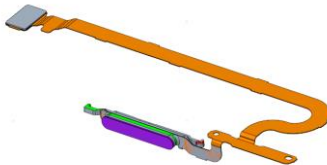

Fire bucket		Containing a burning battery
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Note: vivo does not provide all protective tools. You need to purchase them from other sources.

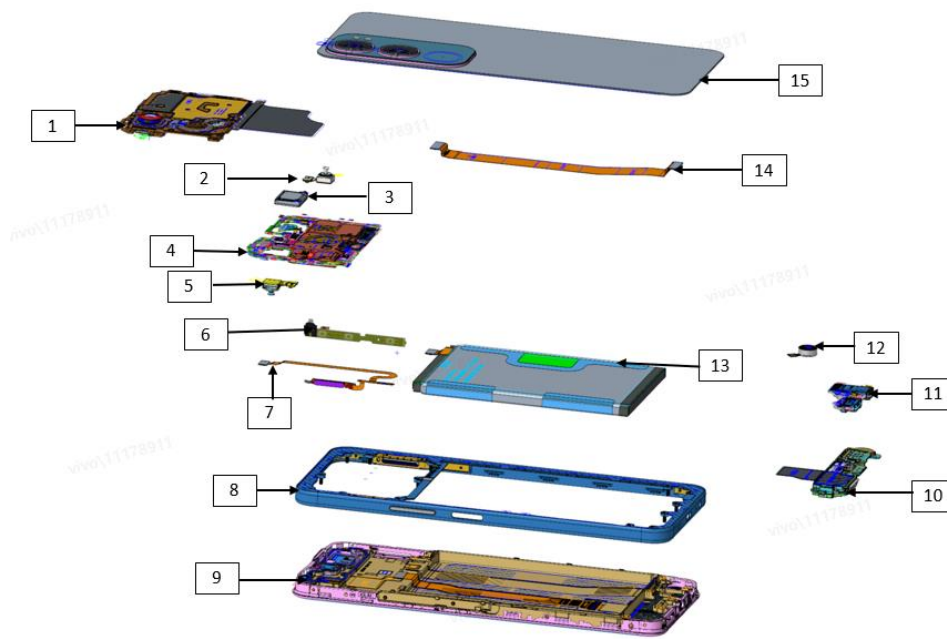
4 Repair guide

4.1 Spare parts

No.	Material name	Purchase code	Illustration
1	Display assembly	5437487	
2	Display module	5437488	
3	Back cover assembly	5437481 (Black) 5437482 (Silver)	
4	Battery assembly	5437493	
5	Rear Secondary Camera assembly	5437485	
6	Rear main camera	5437484	

7	Front camera	5437483	
8	ANA board	4935300	
9	Speaker	5437486	
10	Side buttons	5437489 (Black) 5437490 (Silver)	
11	Fingerprint Module assembly	5437694 (Black) 5437695 (Silver)	
12	Card tray	5437491 (Black) 5437492 (Silver)	

4.2 Device breakdown



No.	Material name
1	M board bracket assembly
2	Rear Secondary Camera assembly
3	Receiver assembly
4	M Board
5	Front camera assembly
6	FK Board
7	Fingerprint Module assembly
8	Middle frame assembly
9	Display assembly
10	Speaker assembly
11	ANA Board
12	Motor assembly
13	Sealed Li-ion battery
14	FMA Board

4.3 Disassembly and assembly guide

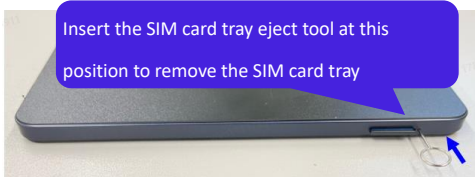


- Perform the following steps before starting the repair:
- Back up your data.
- Fully discharge the battery.
- Power off the phone and disconnect all external data cables.
- Wear anti-static gloves.
- If you find issues such as cosmetic damage and adhesive overflow after assembly, you may visit a vivo official service center.


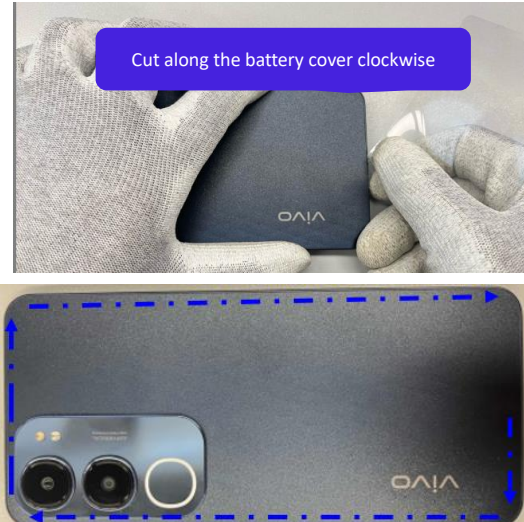


4.3.1 Replace the Battery cover assembly






Repair Difficulty: Low

Estimated Time: 6–10 minutes

Required Spare Parts: Battery cover assembly

Disassembly		
Operation	Illustration	Remarks
Step 1: Power off the device. Insert a SIM card tray eject tool into the eject hole to remove the SIM card tray.	 	
Step 2: Use a heating pad set to 65°C to heat the phone for 5 minutes.		The heating pad defaults to a preset temperature of 65°C. If you need to adjust the temperature, please refer to the device's manual.

<p>Step 3: Place a suction cup on the bottom center edge of the battery cover, lift upwards to create a gap, and then insert a prying pick into the gap.</p>		<p>Notes:</p> <ol style="list-style-type: none"> 1. Exercise caution when using a handled suction cup to avoid injury, as the handle may detach during use. 2. Do not insert the prying pick more than 5 mm into the device.
<p>Step 4: Use the prying pick to cut along the battery cover clockwise as illustrated in the picture.</p>		
<p>Step 5: Once the edges are cut open, gently lift the battery cover from the position shown in the picture.</p>		
<p>Step 6: Separate the battery cover to complete the removal.</p>		





Step 7: Use pointed anti-static tweezers to remove all residual adhesive from the battery cover and the back of the device.		Do not touch the rear cameras or the lens of the battery cover with your fingers or any foreign objects, and avoid damaging nearby components.
Step 8: Clean residual adhesive thoroughly.		
Assembly		
Operation	Illustration	Remarks
Step 1: Attach the double-sided adhesive of the battery cover and the Double-sided Adhesive Tape of the main board to the middle frame.		
Step 2: Remove the release films and Align the battery cover with the frame and press it into place.		
Step 3: Wrap a lint-free cloth around your finger and press over the adhesive areas to activate the adhesive, completing the battery cover installation.		


4.3.2 Replace the middle Frame / Mainboard Bracket

Repair Difficulty: Low

Estimated Time: 8–12 minutes


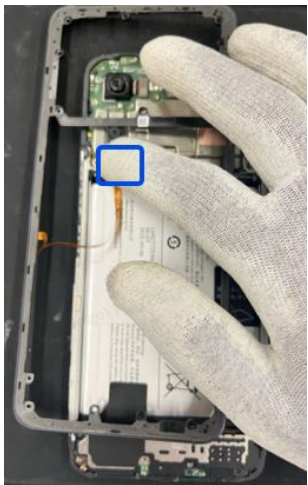
Required Spare Parts: Middle Frame / Mainboard bracket




Disassembly		
Operation	Illustration	Remarks
Step 1: Remove the battery cover	Refer to the installation steps in section 4.3.1.	
Step 2: Use a Phillips screwdriver to remove the 17 mainboard bracket screws as illustrated.		
Step 3: After removing the screws, insert a triangular prying pick at the location of the USB port at the bottom of the device.		
Step 4: Slide the prying pick clockwise around the device to detach the frame as illustrated.		
Step 5: Once the middle frame is detached, flip the device over as illustrated, and then use anti-static tweezers to carefully remove the mainboard bracket.		Be careful not to pull the fingerprint FPC forcefully.

Step 6: Use anti-static tweezers to detach the fingerprint FPC as illustrated.		
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Step 7: The removal of the frame / mainboard bracket is now complete.		
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Assembly


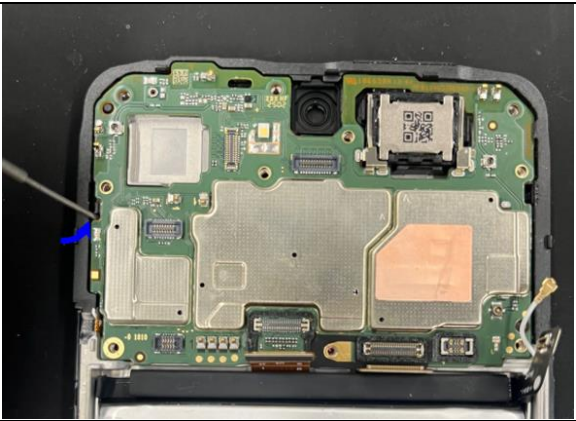

Operation	Illustration	Remarks
Step 1: Align the frame as illustrated. Use anti-static tweezers to position the fingerprint FPC correctly.		
Step 2: Press the fingerprint FPC-BTB connector firmly to ensure a secure connection.		

<p>Step 3: Install the mainboard bracket. Align the mainboard bracket using the camera module as a reference point. Press down on the two indicated areas to secure it in place.</p>		
<p>Step 4: Install the frame. Press the frame clockwise to ensure full engagement.</p>		
<p>Step 5: Insert and tighten all 17 screws to complete the reinstallation of the frame.</p>		

4.3.3 Replace the M board

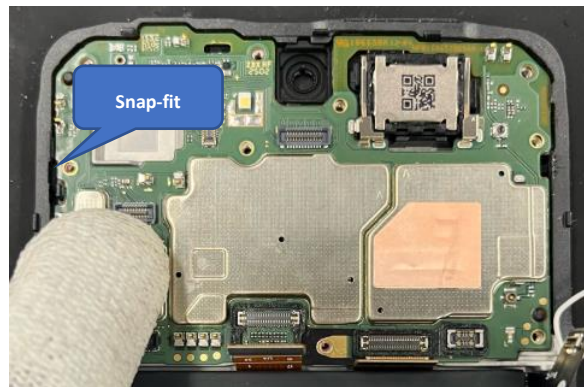
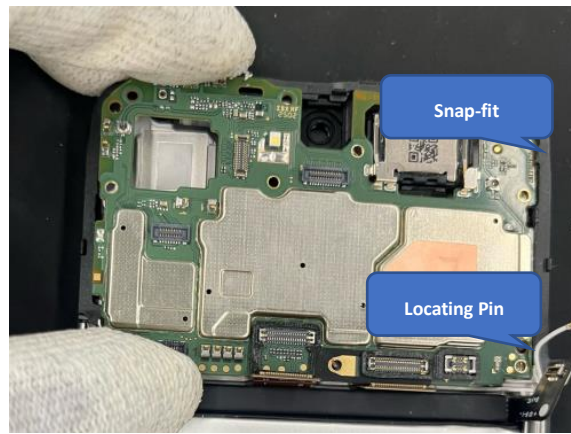
Difficulty: low
Duration: 9–12 minutes

Required spare parts: M board

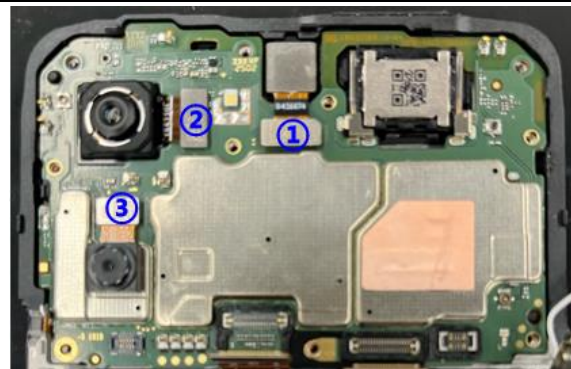
Disassembly		
Operation	Illustration	Remarks
Step 1: Remove the back cover.	See Section 4.3.1.	
Step 2: Remove the middle frame and M board bracket.	See Section 4.3.2.	
Step 3: Use pointed anti-static tweezers to disconnect the battery BTB connector, coaxial cables, display BTB connector, and camera BTB connector (in this order).		
Step 4: Use a flat-head screwdriver to pry up the M board from the indicated position.		
Step 5: Remove the M board.		

Assembly

Step 1: Align the right edge of the M board with the main upper part. Make sure that the locating pin and snap-fit on the right side of the M board are engaged in place, and press its left-side snap-fit. Make sure that the M board lies flat without lifting.



Step 2: Install the camera. Make sure that the camera BTB connector is reliably connected.



Step 3: Connect the display BTB connector and coaxial cables in the indicated order, and then connect the battery BTB connector.



Step 4: Install the M board bracket and middle frame.

See Section 4.3.2.

Step 5: Install the back cover.

See Section 4.3.1.

Step 6: Perform calibrations.




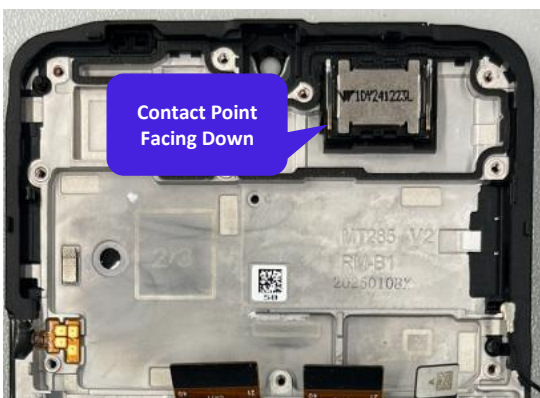
After assembly, calibrate the rear cameras and ambient light sensor as specified in Section 3.2.3.

4.3.4 Replace the receiver assembly

Difficulty: low

Duration: 9–12 minutes

Required spare parts: receiver assembly



Disassembly		
Operation	Illustration	Remarks
Step 1: Remove the back cover.	See Section 4.3.1.	
Step 2: Remove the middle frame and M board bracket.	See Section 4.3.2.	
Step 3: Remove the M board (see Section 4.3.3). You do not need to replace the M board or disassemble the camera.		
Step 4: Use a flat-head screwdriver to remove the receiver assembly from the indicated position.		
Assembly		
Operation	Illustration	Remarks
Step 1: Clean residual adhesive from the receiver area. Apply a new adhesive tape and remove the blue release liner.		Avoid damaging the display during adhesive removal.
Step 2: Install the receiver assembly. Make sure that it is fit to position.		

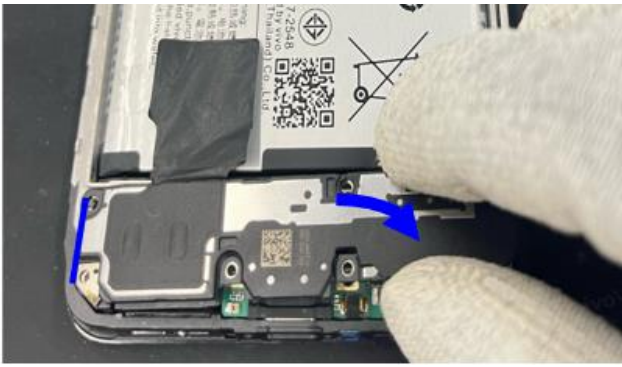

4.3.5 Replace the speaker assembly

Difficulty: low

Duration: 7-10 minutes

Required spare parts: speaker assembly

Disassembly		
Operation	Illustration	Remarks
Step 1: Remove the back cover.	See Section 4.3.1.	
Step 2: Remove the middle frame and M board bracket.	See Section 4.3.2.	
Step 3: Use pointed tweezers to lift the speaker assembly from the indicated position.		
Step 4: Remove the speaker assembly.		
Assembly		
Operation	Illustration	Remarks

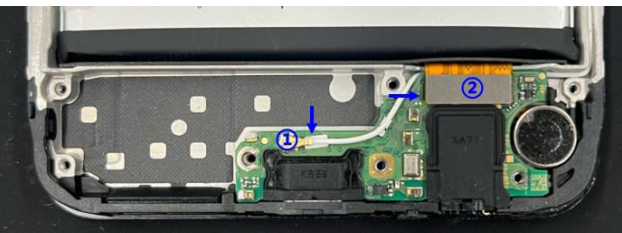

Step 1: Before installation, check the speaker for attached foreign objects. Then, mount the speaker assembly to the indicated position of the main upper part.		
Step 2: Make sure that the speaker lies flat without lifting.		
Step 3: Install the middle frame and fasten it with screws.	See Section 4.3.2.	

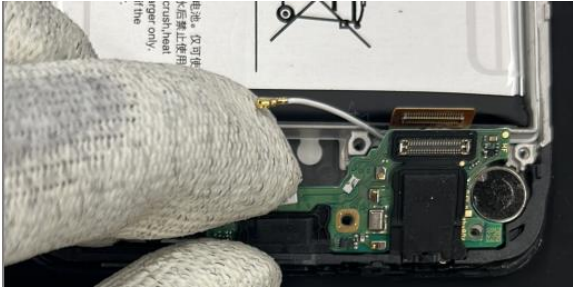
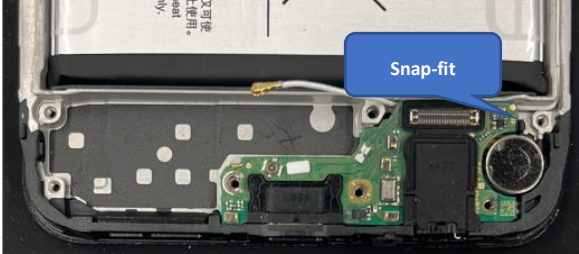
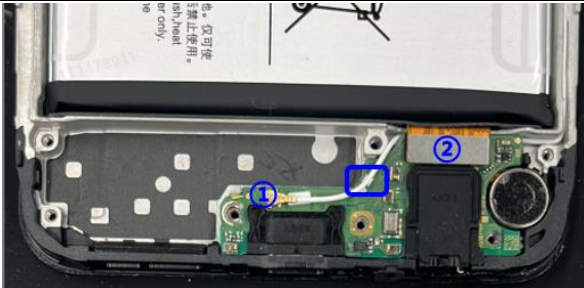
4.3.6 Replace the ANA board (incl. the main mic and charging port)

Difficulty: low

Duration: 9–13 minutes

Required spare parts: ANA board assembly

Disassembly		
Operation	Illustration	Remarks
Step 1: Remove the back cover.	See Section 4.3.1.	
Step 2: Remove the middle frame and M board bracket.	See Section 4.3.2.	
Step 3: Remove the speaker assembly.	See Section 4.3.5.	
Step 4: Disconnect the BTB connectors and coaxial cable from the indicated positions.		
Step 5: Use pointed tweezers to lift the ANA board from the indicated position.		

Assembly		
Operation	Illustration	Remarks
Step 1: Align the bottom edge of the ANA board with the USB port, and then press the board until it lies flat without lifting.	 	
Step 2: Connect the coaxial cable and display BTB connector.		

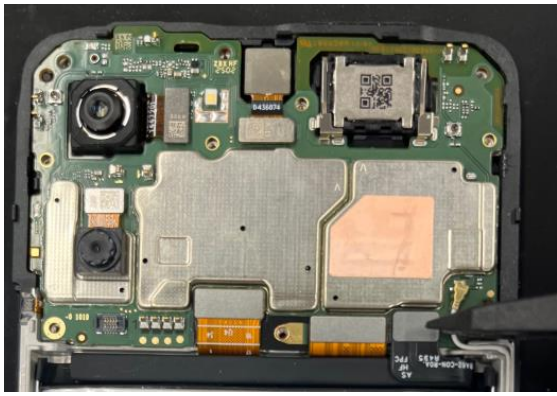


4.3.7 Replace the battery

Difficulty: low
Duration: 6–10 minutes
Required spare parts: battery assembly


Before you remove the battery:

1. Fully discharge the battery.
2. Prepare a fire bucket in case of a battery fire.

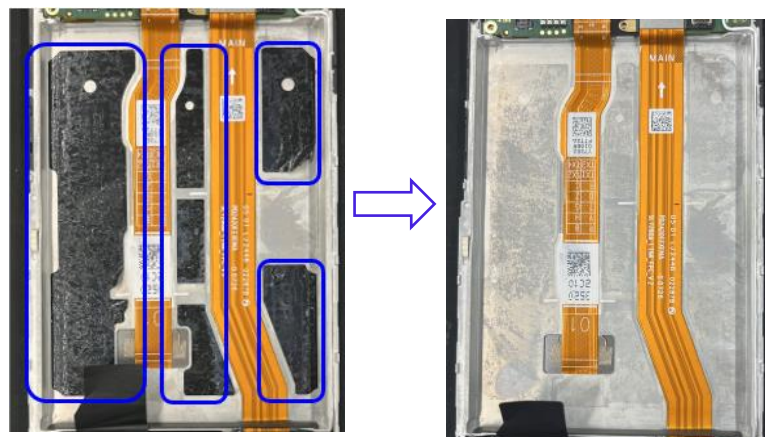
Disassembly		
Operation	Illustration	Remarks
Step 1: Remove the back cover.	See Section 4.3.1.	
Step 2: Remove the middle frame and M board bracket.	See Section 4.3.2.	

<p>Step 3: Use pointed anti-static tweezers to disconnect the battery BTB connector.</p>		
<p>Step 4: Slowly pull the battery PET film by its pull tab, maintaining a 145° angle between the tab and battery surface during pulling.</p>		<p>Keep your hands clear of the battery area during the process.</p>
<p>Step 5: Remove the battery.</p>		

Assembly

Operation	Illustration	Remarks
<p>Step 1: Inspect the battery for swelling, deformation, or damage. If any defects exist, the battery cannot be reused and must be replaced.</p>		

Step 2: Peel off the battery PET film from the main upper part and clean any residual black adhesive from the indicated areas.



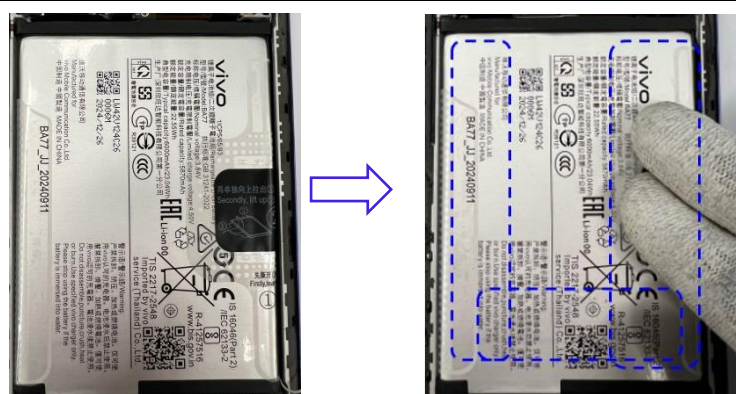
Step 3: Apply the battery back adhesive.



Step 4: Take a new battery PET film and apply it to the battery as indicated.



Step 5: Remove the release liner of the battery adhesive tape and install the battery into the compartment. Press the indicated adhesive areas with your fingers to activate bonding.





Before installation, make sure that the battery and battery compartment are free of foreign objects.


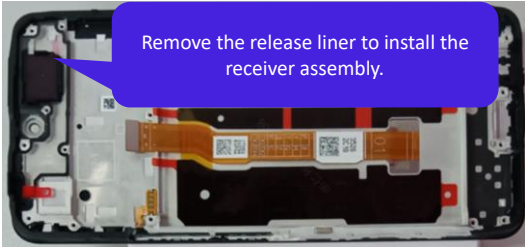
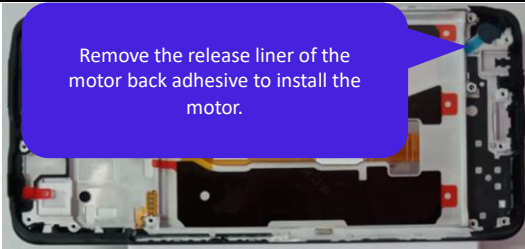
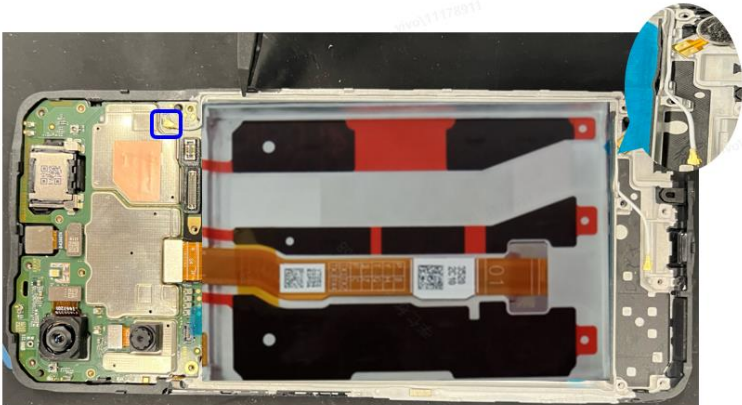

4.3.8 Replace the display assembly


Difficulty: medium

Duration: 15–20 minutes

Required spare parts: display assembly

Disassembly		
Operation	Illustration	Remarks
Step 1: Remove the back cover.	See Section 4.3.1.	
Step 2: Remove the middle frame and M board bracket.	See Section 4.3.2.	
Step 3: Remove the M board and receiver assembly:	See Sections 4.3.3 and 4.3.4.	
Step 4: Remove the speaker assembly.	See Section 4.3.5.	
Step 5: Remove the ANA board.	See Section 4.3.6.	
Step 6: Remove the battery.	See Section 4.3.7.	
Step 7: Remove the motor.		
Step 8: Remove the FMA board.		

Step 9: Remove the display assembly.		
Assembly		
Operation	Illustration	Remarks
Step 1: Install the receiver assembly: Take a new display assembly, remove the release liner of the receiver assembly, and install the receiver assembly.		
Step 2: Remove the release liner of the motor back adhesive to install the motor.		
Step 3: Install the M board.	See Section 4.3.3.	
Step 4: Install the coaxial cable: Connect one end of the coaxial cable to the M board, and use anti-static tweezers to route the cable through the cable slot.		
Step 5: Install the ANA board.	See Section 4.3.6.	
Step 6: Install the FMA board: First, apply FMA back adhesive to the display assembly, and peel off the release liner. Then, connect one of the FMA BTB connectors to the M board and the other to the ANA board. Finally, secure the FMA board to the battery compartment and		



adhere it to the soft pad at the bottom of the battery compartment.		
Step 7: Install the battery.	See Section 4.3.7.	
Step 8: Install the speaker assembly.	See Section 4.3.5.	
Step 9: Install the middle frame, M board bracket, and back cover.	See Sections 4.3.1 and 4.3.2.	
Step 10: Power on the device to verify normal screen display.		
Step 11: Perform calibrations.	After assembly, calibrate the rear cameras, in-display fingerprint scanner, and ambient light sensor as specified in Section 3.2.3.	

4.3.9 Replace the Side Buttons (Volume Buttons)

Repair Difficulty: Low

Estimated Time: 6–8 minutes




Required Spare Parts: Volume Button

Disassembly		
Operation	Illustration	Remarks
Step 1: Remove the back cover.	See Section 4.3.1.	
Step 2: Remove the middle frame / mainboard bracket.	Refer to the removal steps in section 4.3.2.	
Step 3: While pressing the button, use a flat-head screwdriver to pry open the volume button clip as illustrated in the picture. Then remove the volume button.		
Assembly		
Operation	Illustration	Remarks
Step 1: Place the new volume button into the slot.		

Step 2: While holding the volume button in place, use a flat-head screwdriver to insert the button ribbon into the clip, completing the button replacement.		
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4.3.10 Replace the Fingerprint Module assembly

Repair Difficulty: Low
 Estimated Time: 6–8 minutes
 Required Spare Parts: Fingerprint Module assembly

Assembly		
Operation	Illustration	Remarks
Step 1: Remove the battery cover.	Refer to the removal steps in section 4.3.1.	
Step 2: Remove the Middle frame / mainboard bracket module.	Refer to the removal steps in section 4.3.2.	
Step 3: While pressing the button, use a flat-head screwdriver to pry open the fingerprint FPC clip as illustrated in the picture. Then remove the fingerprint FPC.		
Disassembly		
Operation	Illustration	Remarks
Step 1: Clean the waterproof foam on the middle frame.	 	

Step 2: Place the new fingerprint module into the slot, and then use a flat-head screwdriver to insert the button ribbon into the clip.		
Step 3: Apply new waterproof foam to the middle frame to complete the fingerprint module replacement.		

4.3.11 Replace the display module

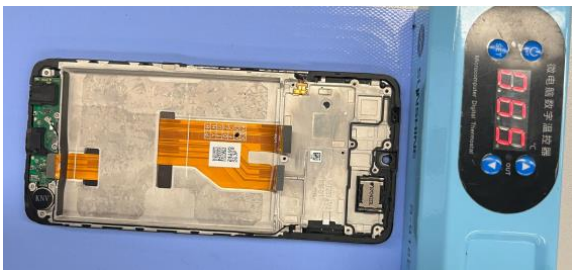
Difficulty: high

Duration: 20–50 minutes

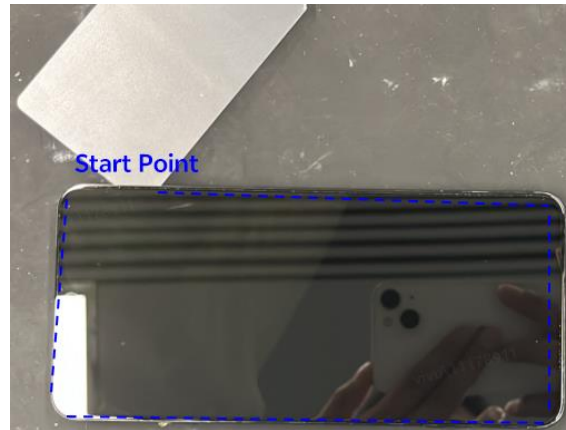
Required spare parts: display module

Before you remove the display module:

1. Wear gloves to prevent finger cuts from the metal pry pick.
2. Insert the pry pick only between the cover and screen. Inserting the pry pick to the middle frame gaps can cause scratches.
3. Prepare some glue (purchase code: 5121839), which is required for some models.

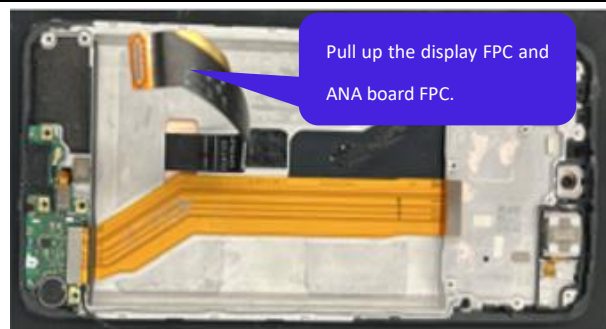
Disassembly		
Operation	Illustration	Remarks
Step 1: Remove the back cover.	See Section 4.3.1.	
Step 2: Remove the middle frame and M board bracket.	See Section 4.3.2.	
Step 3: Remove the M board.	See Section 4.3.3.	
Step 4: Remove the battery.	See Section 4.3.7.	
Step 5: Heat the display at 65°C for 5 minutes on the heating pad.		

Step 6: Insert a metal pry pick 3 mm deep from the device's top-right corner to create a gap between the display and the main upper part, and then switch to a PET pry sheet for full disassembly.




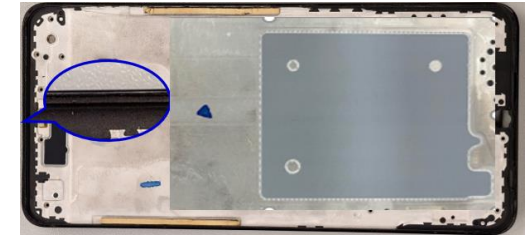

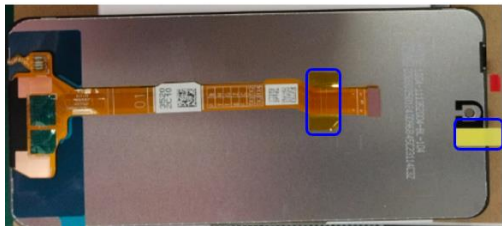
Complete disassembly immediately after heating. Delays may cause cooling and difficulty. Use a metal pry pick only for stubborn areas.

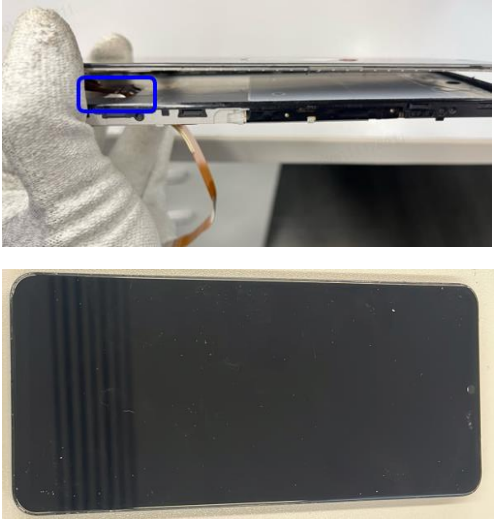

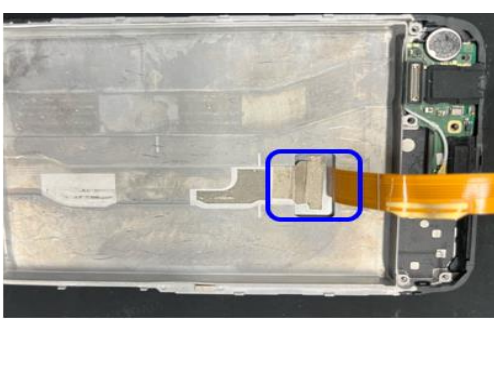
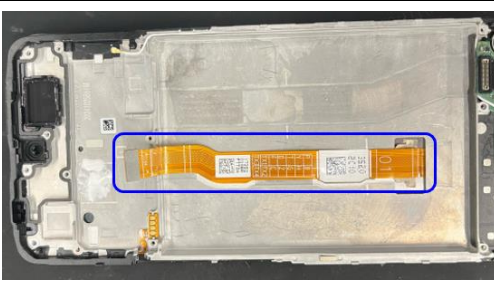
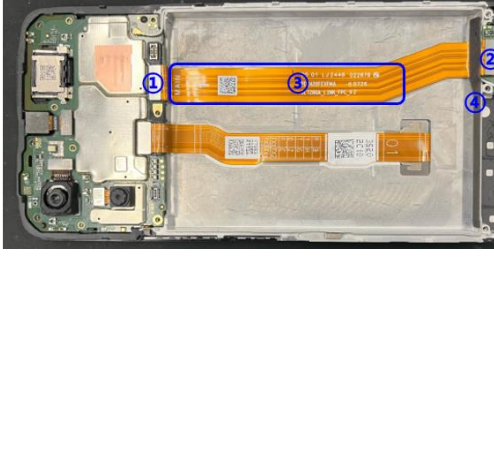
Step 7: After separating all edges, remove the display FPC, and then gently remove the display by lifting it upward.

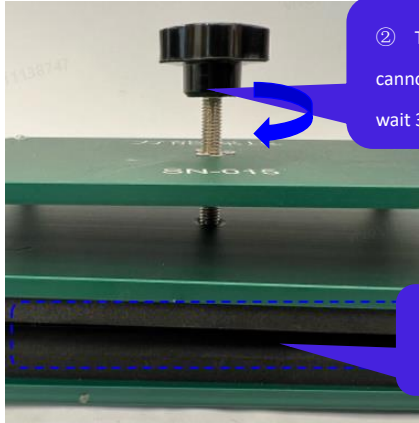



Step 8: Remove the display module.



Assembly		
Operation	Illustration	Remarks
Step 1: Use pointed tweezers to clean residual adhesive from the main upper part.		
Step 2: Fully clean residual adhesive.		
Step 3: Apply glue to the main upper part. Take a bottle of glue and clear any cured glue from the applicator tip to ensure proper glue flow. Clean excess glue inside with a pry tool. Adjust uneven glue with the applicator tip.		
Step 4: Peel off the release liner of the display module.		

<p>Step 5: Insert the display FPC into the main upper part, as shown in the figure. Put the display in position, align it with the main upper part, and fully engage them.</p>		
<p>Step 6: After assembly, wrap your fingers with a lint-free cloth, firmly press along all sides of the display, and then wipe excess glue.</p>		
<p>Step 7: Attach the LCM conductive sheet to the display, as shown in the figure.</p>		
<p>Step 8: Peel off the release liner of the display FPC back adhesive and secure the display FPC to the main upper part.</p>		
<p>Step 9: Install the M board.</p>	<p>See Section 4.3.3.</p>	
<p>Step 10: Install the FMA board: First, apply FMA back adhesive to the display assembly, and peel off the release liner. Then, connect one of the FMA BTB connectors to the M board and the other to the ANA board. Finally, secure the FMA board to the battery compartment and</p>		

adhere it to the soft pad at the bottom of the battery compartment.		
Step 11: Install the speaker assembly.	See Section 4.3.5.	
Step 12: Install the middle frame and M board bracket.	See Section 4.3.2.	
Step 13: Install the back cover.	See Section 4.3.1.	
Step 14: After full assembly, put the device into the pressure fixture as shown and maintain pressure for 30 minutes.	 <p>② Turn the knob clockwise until you cannot continue with a proper force, and wait 30 minutes.</p> <p>① Put the device into the pressure fixture.</p>	
Step 15: Power on the device to verify its functionality.		
Step 16: Perform calibrations.	After assembly, calibrate the rear cameras, in-display fingerprint scanner, and ambient light sensor as specified in Section 3.2.3.	