

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

Contents

1 About this manual	2
1.1 Purpose	2
1.2 Caution	2
1.2.1 Repair notes	2
1.2.2 ESD precautions.....	3
2 Warranty	3
3 Tools	3
3.1 Hardware tools	3
3.2 Software update and software tools (to be confirmed after software release)	5
4 Repair guide.....	8
4.1 Spare parts.....	8
4.2 Device breakdown.....	9
4.3 Disassembly and assembly guide	10
4.3.1 Replace the Battery Cover	10
4.3.2 Replace the Middle Frame/Mainboard Bracket.....	13
4.3.3 Replace the M Board	16
4.3.4 Replace the upper Speaker	18
4.3.5 Replace the ANA Board (Main Microphone & Charging Port)	19
4.3.6 Replace the Battery assembly	21
4.3.7 Replace the Display assembly	24
4.3.8 Replace the Side Buttons (Volume Buttons).....	25
4.3.9 Replace the Fingerprint Module assembly.....	26
4.3.10 Replace the display module.....	27

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.





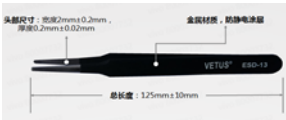
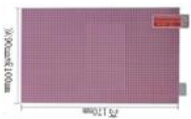
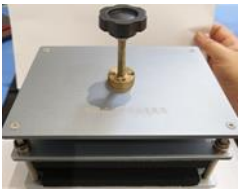



2.2 A device repaired by anyone other than a vivo-authorized service provider is not covered by the warranty, and you will bear the repair costs.

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
---	--	-----------------------------------

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

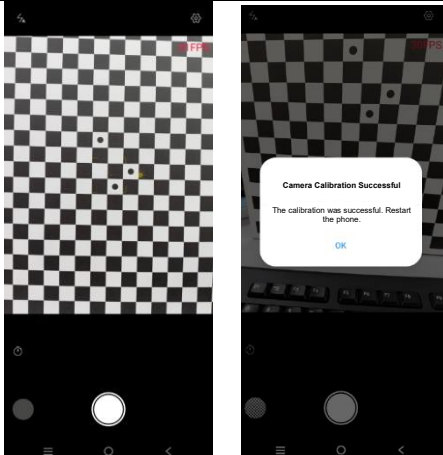
Before and after repair, perform a self-diagnosis to check if the device functions properly.

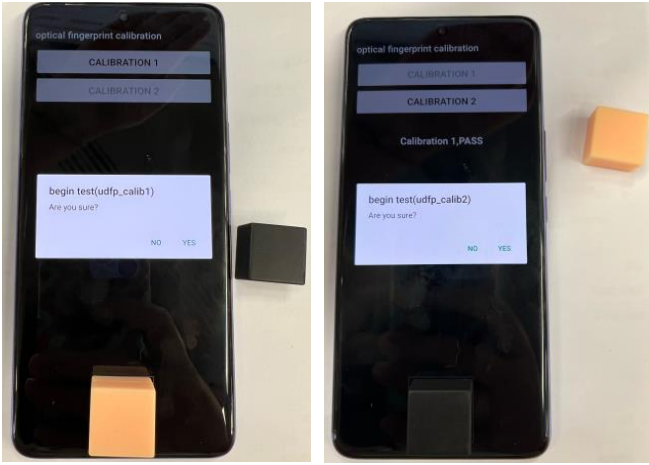
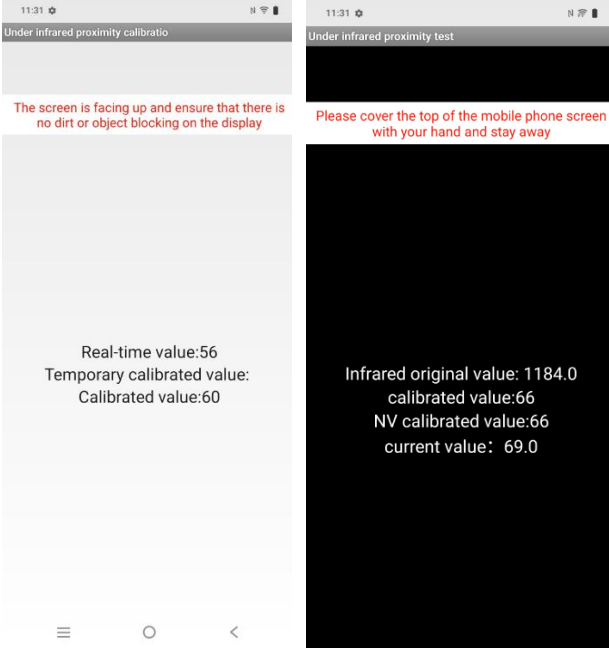
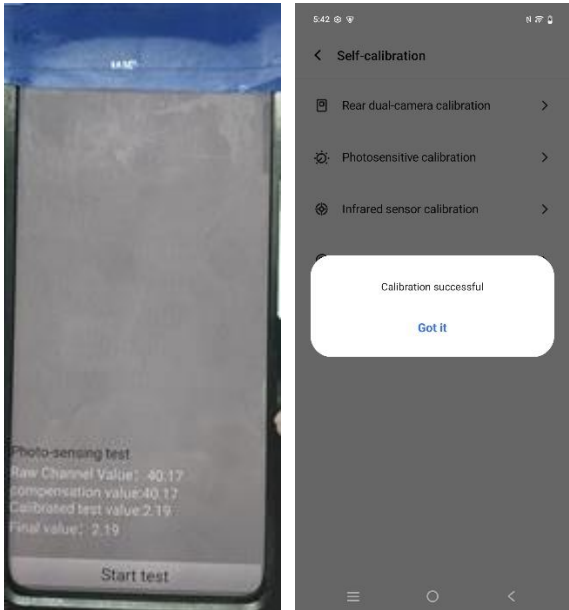
Open the vivo Store / vivo.com app, go to Support > Hardware Test > Self-calibration, and enter the calibration code "SELFREPAIR" to perform the check.

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.




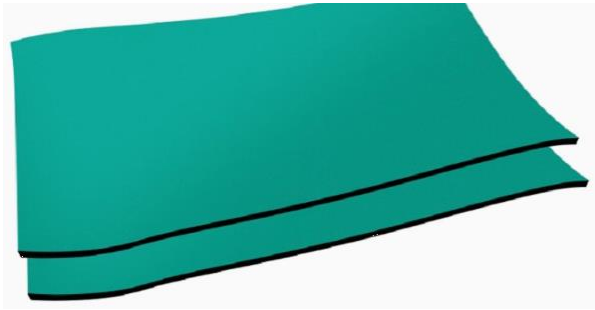
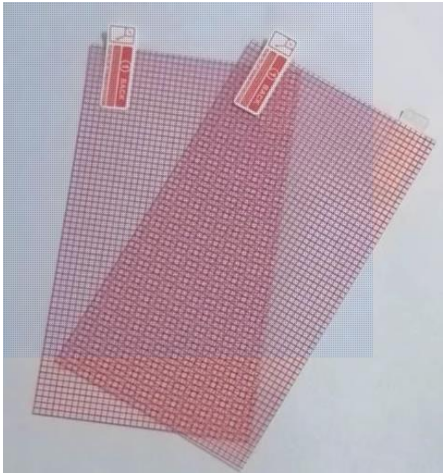
The following table describes calibration items and instructions.

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
-----------	-------	-------

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
-------------	---	------------------------------

Note: vivo does not provide all protective tools. You need to purchase them from other sources.

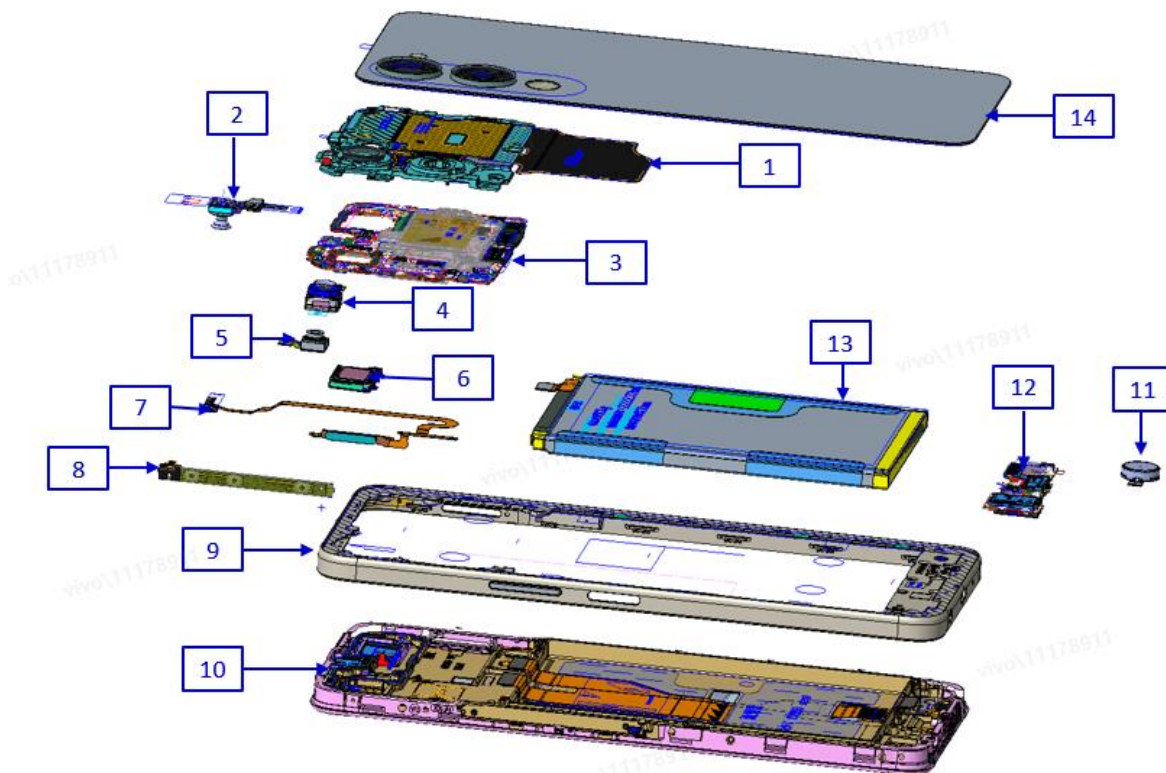
4 Repair guide

4.1 Spare parts

No.	Material name	Purchase code	Adaptation project	Illustration
1	Display assembly	5437500	Y04	
		5437512	Y29s 5G	
2	Display module	5437501	Y04& Y29s 5G	
3	Back cover assembly	5437495 (Titanium) 5437494 (Green)	Y04	
		5437508 (Titanium) 5437507 (Green)	Y29s 5G	
4	Battery assembly	5437506	Y04& Y29s 5G	
5	Rear Secondary Camera assembly	5437498	Y04	
		5437511	Y29s 5G	
6	Rear main camera	5437497	Y04	
		5437510	Y29s 5G	
7	Front camera	5437496	Y04	
		5437509	Y29s 5G	

8	ANA board	4935302	Y04	
		4935303	Y29s 5G	
9	Speaker	5437499	Y04& Y29s 5G	
10	Side buttons	5437502 (Green) 5437503 (Titanium)	Y04& Y29s 5G	
11	Fingerprint Module assembly	5437696 (Green) 5437697 (Titanium)	Y04	
		5437744 (Green) 5437745 (Titanium)	Y29s 5G	
12	Card tray	5437504 (Green) 5437505 (Titanium)	Y04& Y29s 5G	

4.2 Device breakdown



No.	Material name
-----	---------------

1	M board bracket assembly
2	Front camera assembly
3	M board
4	Rear main camera assembly
5	Rear Secondary Camera assembly
6	Speaker assembly
7	Fingerprint Module assembly
8	FK board
9	Middle frame assembly
10	Display assembly
11	Motor assembly
12	ANA board
13	Sealed Li-ion battery
14	Back cover assembly

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.

The disassemble and assemble video please refer to:



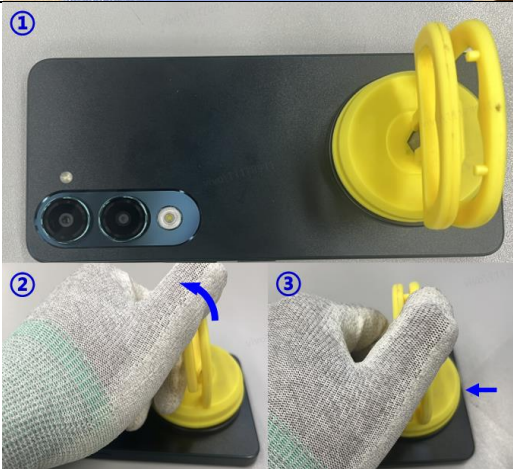

https://www.tiktok.com/@vivocare_global/video/7516457382931680542?is_from_webapp=1&sender_device=pc

4.3.1 Replace the Battery Cover

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.
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.		Notes: <ol style="list-style-type: none"> Exercise caution when using a handled suction cup to avoid injury, as the handle may detach during use. Do not insert the prying pick more than 5 mm into the device.
Step 4: Use the prying pick to cut along the battery cover clockwise as illustrated in the picture.		

Step 5: Once the edges are cut open, gently lift the battery cover from the position shown in the picture.



Step 6: Separate the battery cover to complete the removal.



Step 7: Use pointed anti-static tweezers to remove all residual adhesive from the battery cover and the back of the device.



Do not to 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: Apply double-sided tape to the main camera seal, mainboard bracket seal, and battery cover.		
Step 2: Remove the release films from the main camera seal, mainboard bracket seal, and battery cover.		
Step 3: Align the battery cover with the frame and press it into place.		
Step 4: Wrap a lint-free cloth around your finger and press over the adhesive areas to activate the adhesive, completing the battery cover installation.		


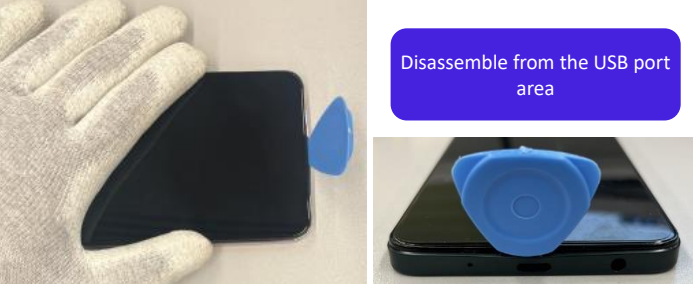



4.3.2 Replace the Middle Frame/Mainboard Bracket

Repair Difficulty: Low

Estimated Time: 8–12 minutes

Required Spare Parts: Middle Frame module / Mainboard bracket

Disassembly		
Operation	Illustration	Remarks
Step 1: Remove the battery cover (refer to the battery cover removal steps).	Refer to the installation steps in section 4.3.1.	

<p>Step 2: Use a Phillips screwdriver to remove the 17 mainboard bracket screws as illustrated.</p>		
<p>Step 3: After removing the screws, insert a triangular prying pick at the location of the USB port at the bottom of the device.</p>		
<p>Step 4: Slide the prying pick clockwise around the device to detach the frame as illustrated.</p>		
<p>Step 5: Once the frame is detached, flip the device over as illustrated, and then use anti-static tweezers to carefully remove the mainboard bracket.</p>		<p>Be careful not to pull the fingerprint FPC forcefully.</p>
<p>Step 6: Use anti-static tweezers to detach the fingerprint FPC as illustrated.</p>		

Step 7: The removal of the frame / mainboard bracket is now complete.



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.



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.



Step 4: Install the frame. Press the frame clockwise to ensure full engagement.



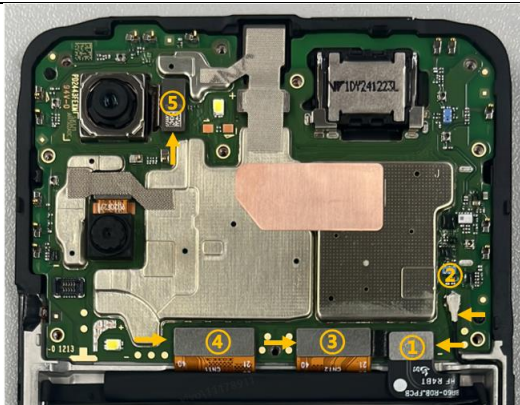
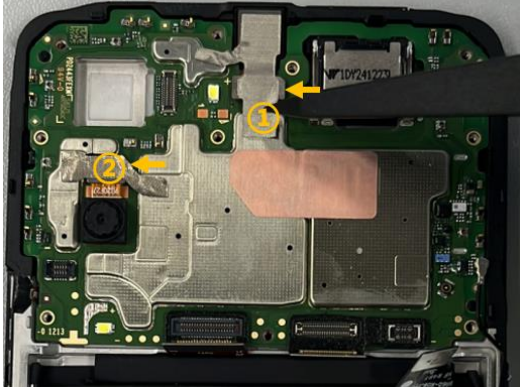
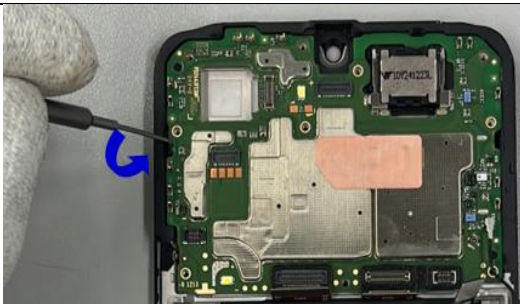

Step 5: Insert and tighten all 17 screws to complete the reinstallation of the frame.

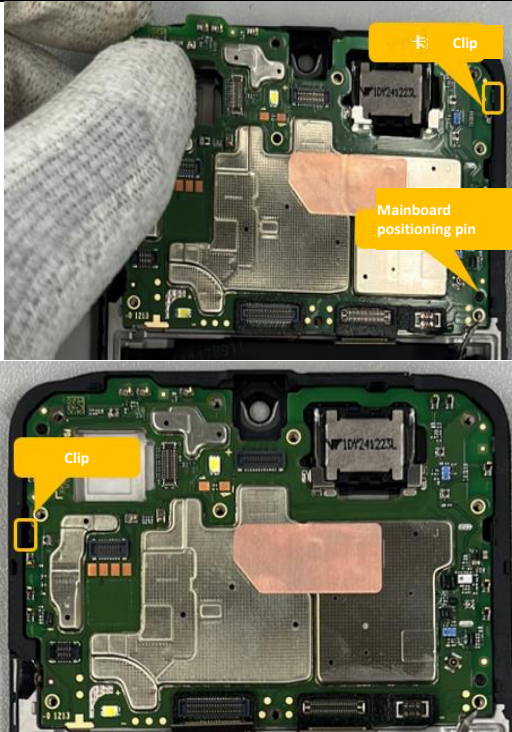
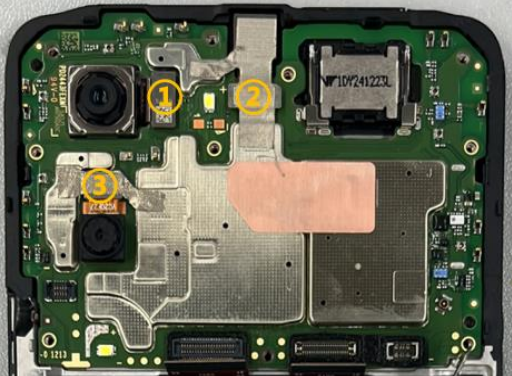
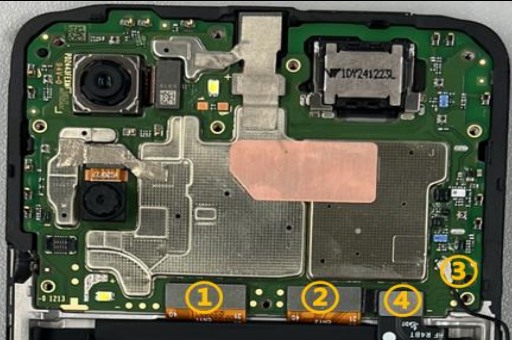


4.3.3 Replace the M Board

Repair Difficulty: Low
Estimated Time: 9–12 minutes
Required Spare Parts: M Board

Disassembly		
Operation	Illustration	Remarks



Step 1: Remove the battery cover (refer to the battery cover removal steps).	Refer to the battery cover removal steps in section 4.3.1.	
Step 2: Remove the frame / mainboard bracket (refer to the frame / mainboard bracket removal steps).	Refer to the frame / mainboard bracket removal steps in section 4.3.2.	
Step 3: Use pointed anti-static tweezers to disconnect the battery BTB connector, coaxial cable, display BTB connector, and main camera BTB connector.		
Step 4: Use pointed anti-static tweezers to remove the front camera and bokeh camera. Before removal, peel off the camera conductive tape, and then detach the cameras in the direction indicated by the arrows.		After removing the cameras, keep them free from dust and contaminants. Avoid touching the lenses to avoid affecting photo quality.
Step 5: Use a flat-head screwdriver to gently pry the mainboard from the indicated position.		
Step 6: The mainboard is now removed.		
Installation		

<p>Step 1: First, insert the right side of the mainboard into the mainboard upper cover, ensuring the positioning pin and clip on the right side are properly engaged. Then press the clip on the left side to ensure the mainboard lies flat without warping.</p>		
<p>Step 2: Install the cameras. Ensure the camera BTB connectors are properly connected. For the front and bokeh cameras, reattach the conductive tape.</p>		
<p>Step 3: Connect the display BTB connector, coaxial cable, and finally the battery BTB connector in the order indicated to complete the mainboard installation.</p>		
<p>Step 4: Install the mainboard bracket / frame module.</p>	<p>Refer to the frame / mainboard bracket installation steps in section 4.3.2.</p>	
<p>Step 5: Install the battery cover.</p>	<p>Refer to the battery cover installation steps in section 4.3.1.</p>	
<p>Step 6: Calibrate.</p>	<p>After assembling the device, perform rear dual-camera and photosensitivity calibration as outlined in section 3.2.3.</p>	



4.3.4 Replace the upper Speaker

Repair Difficulty: Low
Estimated Time: 9–12 minutes
Required Spare Parts: Upper speaker

Disassembly		
Operation	Illustration	Notes

Step 1: Remove the battery cover (refer to the battery cover removal steps).	Refer to the removal steps in section 4.3.1.	
Step 2: Remove the frame / mainboard bracket module (refer to the frame removal steps).	Refer to the removal steps in section 4.3.2.	
Step 3: Remove the mainboard (refer to the removal steps in section 4.3.3). Note that replacing the speaker does not require replacing the mainboard or removing the cameras; simply remove the mainboard directly.		
Step 4: Use a flat-head screwdriver at the indicated position to remove the upper speaker.		

Assembly

Operation	Illustration	Notes
Step 1: Clean any residual adhesive from the speaker area on the mainboard upper cover, apply new adhesive to the area, and then peel off the blue release film.		Be careful not to damage the screen while cleaning the adhesive.
Step 2: Install the speaker. Press the speaker into place by hand, ensuring it is properly seated.		

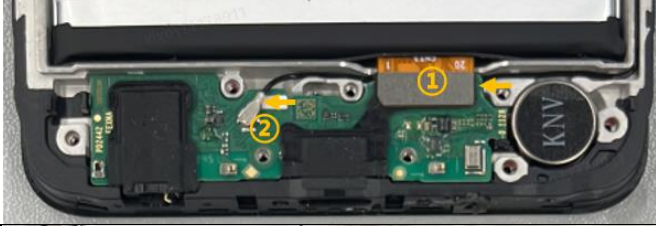

4.3.5 Replace the ANA Board (Main Microphone & Charging Port)

Repair Difficulty: Low

Estimated Time: 9–13 minutes

Required Spare Parts: ANA Board

Disassembly		
Operation	Illustration	Notes
Step 1: Remove the battery cover (refer to the battery cover removal steps).	Refer to the removal steps in section 4.3.1.	
Step 2: Remove the frame / mainboard bracket (refer to	Refer to the removal steps in section 4.3.2.	

the middle frame / mainboard bracket removal steps).		
Step 3: Disconnect the component BTB connectors and coaxial cable at the indicated positions.		
Step 4: Use pointed tweezers to pry up the ANA board from the indicated position to complete the removal.		

Assembly		
Operation	Illustration	Notes
Step 1: Align the sub-board's bottom edge with the USB port, and then press down to ensure it lies flat without warping.		
Step 2: Connect the coaxial cable and the display BTB connector to complete the installation of the sub-board.		

4.3.6 Replace the Battery assembly

Repair Difficulty: Low
Estimated Time: 6–10 minutes
Required Spare Parts: Battery assembly

- Preparation before battery removal:
1. Ensure the battery is fully discharged.
 2. Prepare a sand bucket to mitigate safety risks in case the battery ignites during removal.

Disassembly		
Operation	Illustration	Notes
Step 1: Remove the battery cover (refer to the battery cover removal steps).	Refer to the removal steps in section 4.3.1.	
Step 2: Remove the frame / mainboard bracket module. (Refer to the frame / mainboard bracket removal steps.)	Refer to the removal steps in section 4.3.2.	
Step 3: Use pointed anti-static tweezers to disconnect the battery BTB connector.		


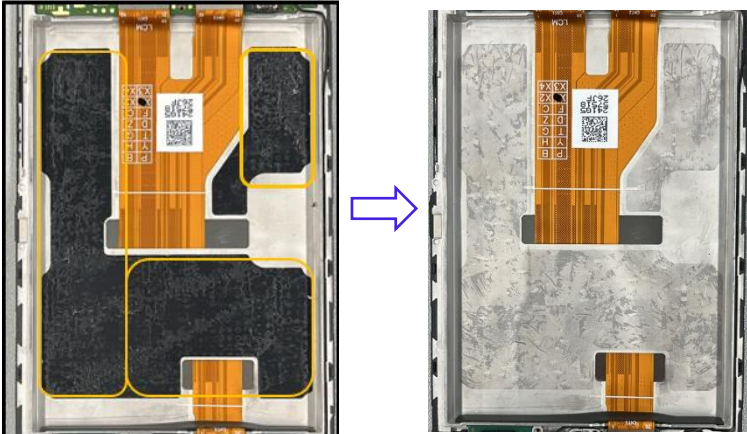


Step 4: Lift the PET pull tab on the battery and slowly pull it at a 145° angle to detach the battery.

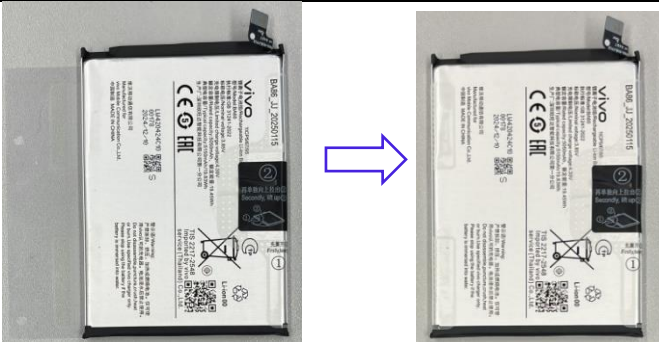
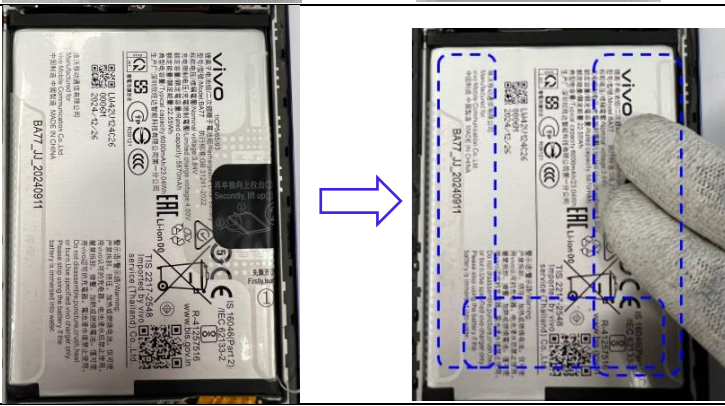


Ensure your hand do not obstruct the battery area during removal.

Step 5: The battery is now removed.

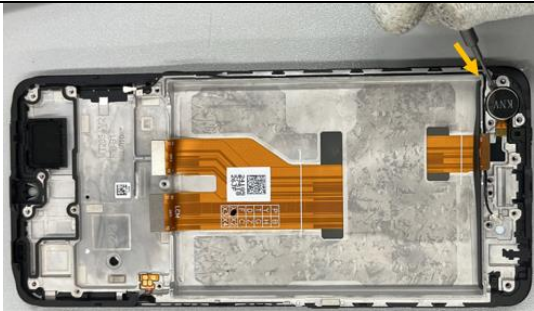




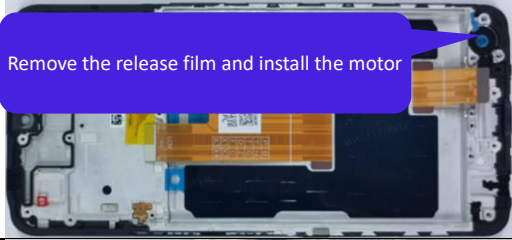
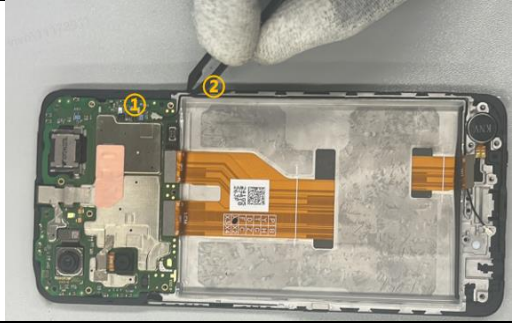

Assembly		
Operation	Illustration	Notes
<p>Step 1: Inspect the battery for signs of swelling, deformation, or damage. If present, replace with a new battery.</p>		
<p>Step 2: Remove the battery PET disc from the mainboard upper cover and clean any residual adhesive, especially any black adhesive in the indicated areas.</p>		
<p>Step 3: Apply battery back adhesive.</p>		
<p>Step 4: Take a new battery PET disc and attach it to the battery as illustrated.</p>		

		
<p>Step 5: Remove the release film from the battery adhesive, place the battery into the mainboard upper cover, and press firmly on adhesive areas indicated by the blue frames to activate the adhesive.</p>		<p>Before installation, ensure the battery and battery compartment are free from any foreign objects.</p>

4.3.7 Replace the Display assembly

Repair Difficulty: Neutral
Estimated Time: 15–20 minutes
Required Spare Parts: Display assembly

Disassembly		
Operation	Illustration	Notes
Step 1: Remove the battery cover.	Refer to the removal steps in section 4.3.1.	
Step 2: Remove the frame / mainboard bracket.	Refer to the removal steps in section 4.3.2.	
Step 3: Remove the mainboard / speaker.	Refer to the removal steps in section 4.3.4.	
Step 4: Remove the sub-board.	Refer to the removal steps in section 4.3.5.	
Step 5: Remove the battery.	Refer to the removal steps in section 4.3.6.	
Step 6: Remove the motor.		
Step 7: The display module is now removed.		
Assembly		

Operation	Illustration	Notes
Step 1: Remove the release film from the upper speaker and install the speaker in place.		
Step 2: Install the mainboard.	Refer to the installation steps in section 4.3.3.	
Step 3: Install the motor.		
Step 4: Connect the coaxial cable. Attach one end of the coaxial cable to the mainboard, and then use anti-static tweezers to guide it neatly into the cable groove.		
Step 5: Install the sub-board.	Refer to the sub-board installation steps in section 4.3.5.	
Step 6: Install the battery.	Refer to the battery installation steps in section 4.3.6.	
Step 7: Install the frame, mainboard bracket, and battery cover.	Refer to the installation steps in sections 4.3.2 and 4.3.1.	
Step 8: Power on the device to verify that the screen lights up and functions correctly.		
Step 9: Calibrate.	After assembling the device, perform rear dual-camera, photosensitivity, and in-display fingerprint sensor calibration as outlined in section 3.2.3.	


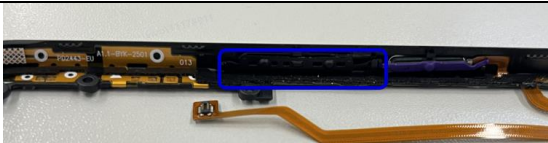

4.3.8 Replace the Side Buttons (Volume Buttons)

Repair Difficulty: Low

Estimated Time: 6–8 minutes

Required Spare Parts: Volume Button

Disassembly		
Operation	Illustration	Notes
Step 1: Remove the battery cover.	Refer to the removal steps in section 4.3.1.	
Step 2: Remove the 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 volume button clip as illustrated in the picture. Then remove the volume button.			
Assembly			
Operation	Illustration		Notes
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.			

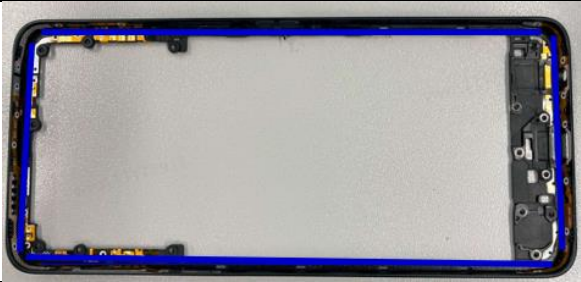
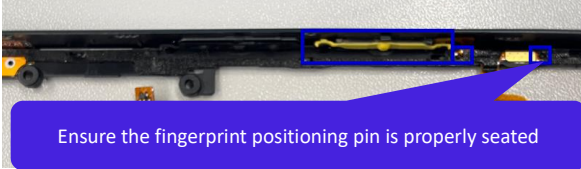

4.3.9 Replace the Fingerprint Module assembly

Repair Difficulty: Low

Estimated Time: 6–8 minutes

Required Spare Parts: Fingerprint Module assembly

Disassembly			
Operation	Illustration		Notes
Step 1: Remove the battery cover.	Refer to the removal steps in section 4.3.1.		
Step 2: Remove the 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.			
Assembly			
Operation	Illustration		Notes
Step 1: Clean the waterproof foam on the 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 frame to complete the fingerprint module replacement.			

4.3.10 Replace the display module

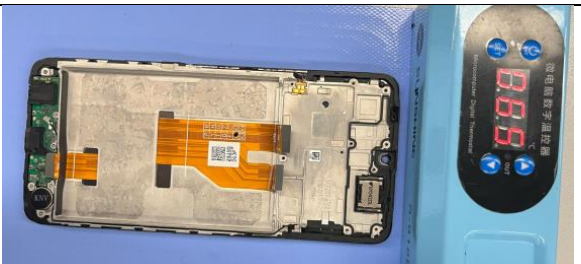
Repair Difficulty: High

Estimated Time: 20–50 minutes

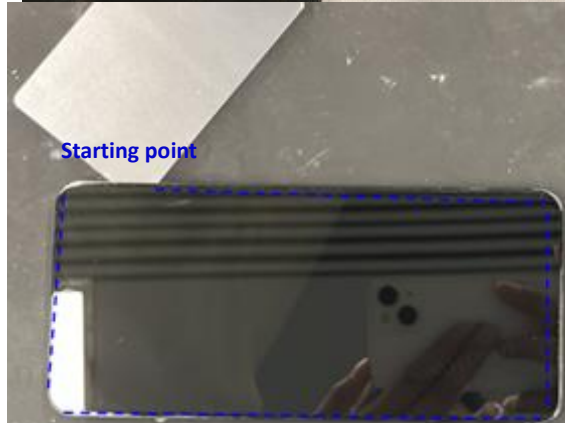
Required Spare Parts: display module

Preparation before removal:

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.

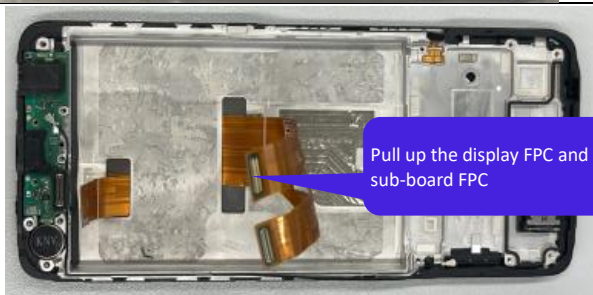
Disassembly		
Operation	Illustration	Notes
Step 1: Remove the battery cover.	Refer to the removal steps in section 4.3.1.	
Step 2: Remove the frame / mainboard bracket module.	Refer to the removal steps in section 4.3.2.	
Step 3: Remove the mainboard.	Refer to the removal steps in section 4.3.3.	
Step 4: Remove the battery.	Refer to the removal steps in section 4.3.6.	
Step 6: Use a heating pad to heat the screen at 65°C for 5 minutes.		

Step 7: Insert a metal prying pick 3 mm deep from the top-right corner to create a gap between the display from the mainboard upper cover. Once a gap is formed, switch to a PET prying pick to continue the separation.




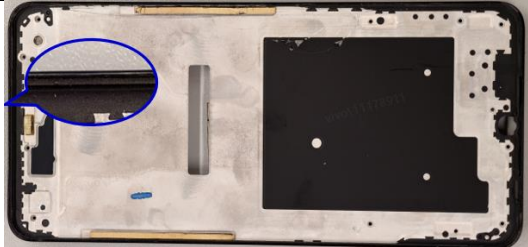

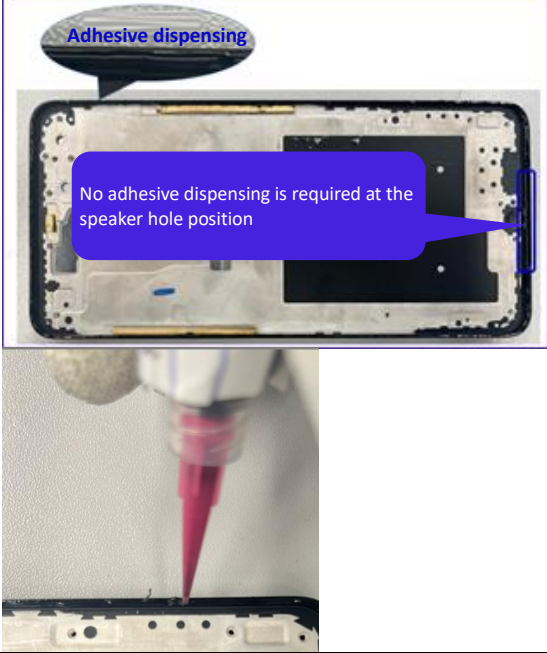
Do not pause after heating—prolonged cooling may complicate removal. Use the metal prying pick for stubborn areas.

Step 8: After separating the edges, disconnect the display FPC and gently lift the screen from the bottom upward.



Step 9: The display screen unit is now removed.



Assembly		
Operation	Illustration	Notes
Step 1: Use pointed tweezers to remove any residual adhesive from the mainboard upper cover. Inspect and replace damaged anti-static foam if necessary.		
Step 2: Clean residual adhesive thoroughly.		
Step 3: Take a new display screen unit and double-sided LCM tape. Attach the LCM double-sided tape to the screen unit as illustrated in the picture.		
Step 4: Apply adhesive to the mainboard upper cover. Before application, clear any cured glue from the needle tip to ensure proper glue flow. (If excess adhesive is applied and overflows internally, remove it using a prying tool. For uneven glue application, adjust the dispensing path with the needle to ensure uniform coverage.)		

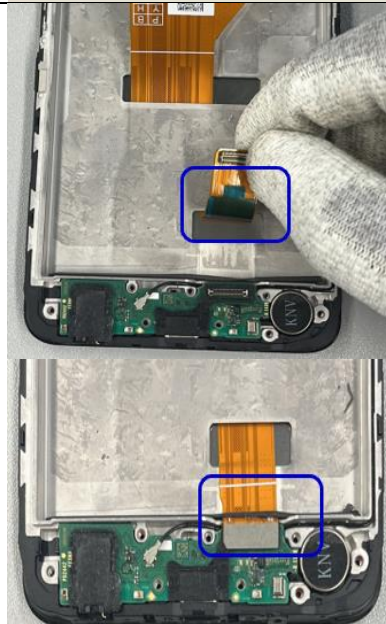
Step 5: Remove the display FPC securing Mylar tape and the LCM double-sided tape. Insert the display FPC into the mainboard upper cover as illustrated in the picture. Pre-align the display screen and gradually press it into place, ensuring proper alignment.



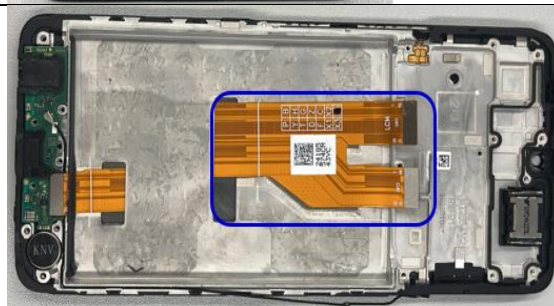
Step 6: After assembling the display screen, wrap your finger with a lint-free cloth and firmly press along the edges to ensure full adhesion. Wipe off any excess glue.



Step 7: Remove the release film from the sub-board FPC adhesive, connect the BTB connector to the sub-board, and apply the battery compartment soft pad.

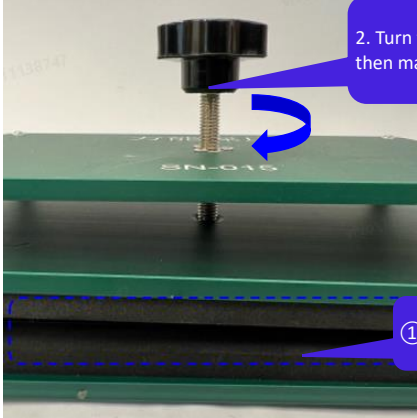



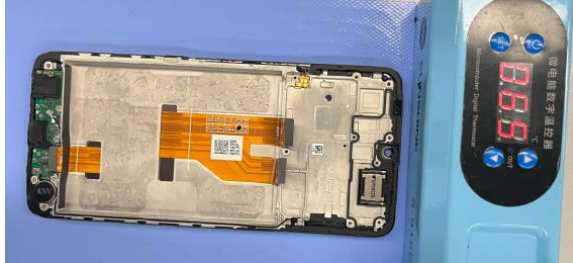

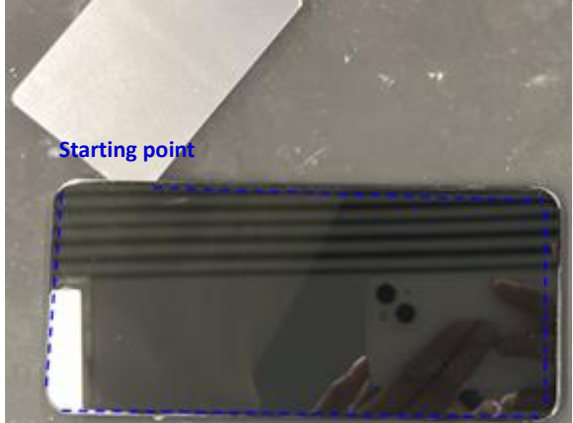


Step 8: Replace the LCM conductive fabric and LCM-FPC conductive double-sided tape; remove the release film from the conductive fabric, and attach the display FPC to the mainboard upper cover.



Step 9: Install the mainboard (refer to


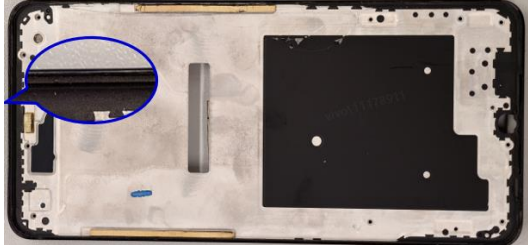


Refer to the mainboard installation steps in section 4.3.3.



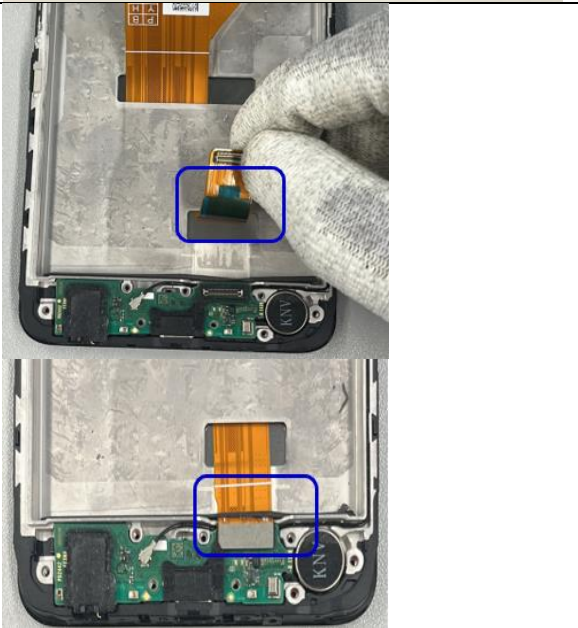

section 4.3.3).		
Step 10: Install the frame / mainboard bracket module (refer to the frame / mainboard bracket module installation steps in section 4.3.2).	Refer to the frame / mainboard bracket module installation steps in section 4.3.2.	
Step 11: Install the battery cover (refer to the battery cover installation steps in section 4.3.1).	Refer to the battery cover installation steps in section 4.3.1.	
Step 12: After assembling the device, place it into a pressure holding jig as illustrated, and apply pressure to the screen for 30 minutes.	 <p>2. Turn the knob clockwise until it stops, and then maintain pressure for 30 minutes</p> <p>① Place the device into the jig</p>	
Step 13: Verify that the screen lights up and functions correctly.		
Step 14: Perform calibrations.	After assembling the device, perform rear dual-camera, photosensitivity, and in-display fingerprint sensor calibration as outlined in section 3.2.3.	

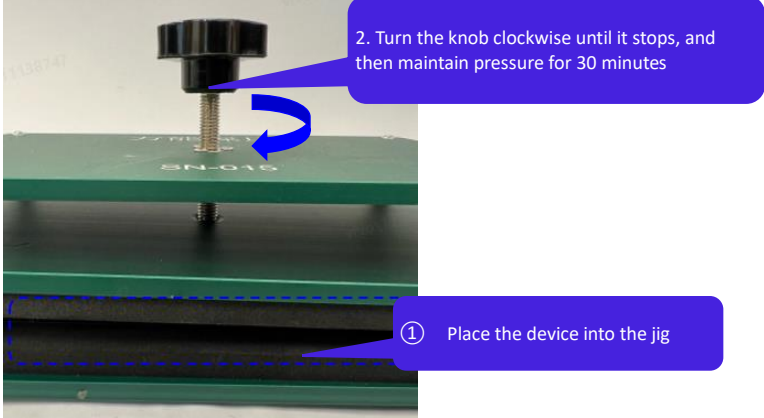

Disassembly		
Operation	Illustration	Notes
Step 1: Remove the battery cover.	Refer to the removal steps in section 4.3.1.	
Step 2: Remove the frame / mainboard bracket module.	Refer to the removal steps in section 4.3.2.	
Step 3: Remove the mainboard.	Refer to the removal steps in section 4.3.3.	
Step 4: Remove the battery.	Refer to the removal steps in section 4.3.6.	
Step 6: Use a heating pad to heat the screen at 65°C for 5 minutes.		
Step 7: Insert a metal prying pick 3 mm deep from the top-right corner to create a gap between the display from the mainboard upper cover. Once a gap is formed, switch to a PET prying pick to continue the separation.	 	Do not pause after heating—prolonged cooling may complicate removal. Use the metal prying pick for stubborn areas.
Step 8: After separating the edges, disconnect the display FPC and gently lift the screen from the bottom upward.	 	

Step 9: The display screen unit is now removed.



Assembly		
Operation	Illustration	Notes
Step 1: Use pointed tweezers to remove any residual adhesive from the mainboard upper cover. Inspect and replace damaged anti-static foam if necessary.		
Step 2: Clean residual adhesive thoroughly.		
Step 3: Take a new display screen unit and double-sided LCM tape. Attach the LCM double-sided tape to the screen unit as illustrated in the picture.		
Step 4: Apply adhesive to the mainboard upper cover. Before application, clear any cured glue from the needle tip to ensure proper glue flow. (If excess adhesive is applied and overflows internally, remove it using a prying tool. For uneven glue application, adjust the dispensing path with the needle to ensure uniform coverage.)		

<p>Step 5: Remove the display FPC securing Mylar tape and the LCM double-sided tape. Insert the display FPC into the mainboard upper cover as illustrated in the picture. Pre-align the display screen and gradually press it into place, ensuring proper alignment.</p>			
<p>Step 6: After assembling the display screen, wrap your finger with a lint-free cloth and firmly press along the edges to ensure full adhesion. Wipe off any excess glue.</p>			
<p>Step 7: Remove the release film from the sub-board FPC adhesive, connect the BTB connector to the sub-board, and apply the battery compartment soft pad.</p>			
<p>Step 8: Replace the LCM conductive fabric and LCM-FPC conductive double-sided tape; remove the release film from the conductive fabric, and attach the display FPC to the mainboard upper cover.</p>			
<p>Step 9: Install the mainboard (refer to</p>	<p>Refer to the mainboard installation steps in section 4.3.3.</p>		

section 4.3.3).		
Step 10: Install the frame / mainboard bracket module (refer to the frame / mainboard bracket module installation steps in section 4.3.2).	Refer to the frame / mainboard bracket module installation steps in section 4.3.2.	
Step 11: Install the battery cover (refer to the battery cover installation steps in section 4.3.1).	Refer to the battery cover installation steps in section 4.3.1.	
Step 12: After assembling the device, place it into a pressure holding jig as illustrated, and apply pressure to the screen for 30 minutes.	 <p>2. Turn the knob clockwise until it stops, and then maintain pressure for 30 minutes</p> <p>① Place the device into the jig</p>	
Step 13: Verify that the screen lights up and functions correctly.		
Step 14: Perform calibrations.	After assembling the device, perform rear dual-camera, photosensitivity, and in-display fingerprint sensor calibration as outlined in section 3.2.3.	