

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

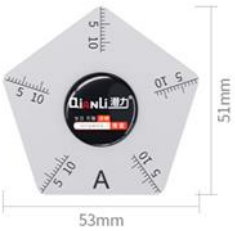

2.1 A 90-day warranty is provided for official spare parts. If any quality issues arise with them within that period, you may contact vivo for a replacement.





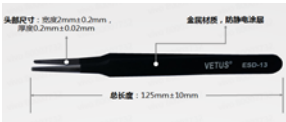
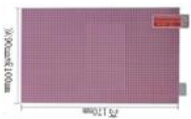
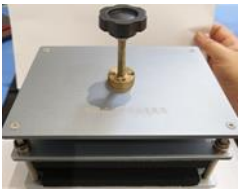



2.2 A device repaired by anyone other than a vivo-authorized service provider is not covered by the warranty, and you will bear the repair costs.

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

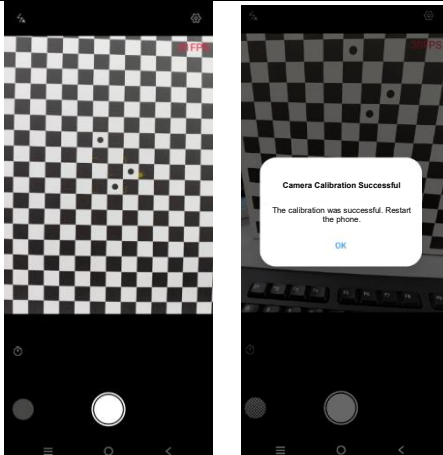
Before and after repair, perform a self-diagnosis to check if the device functions properly.

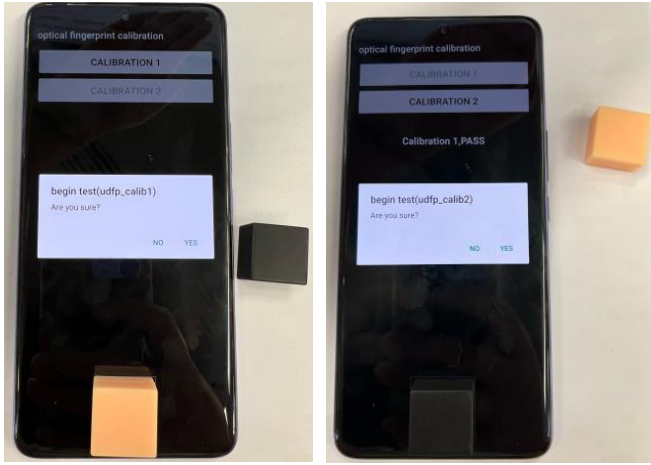
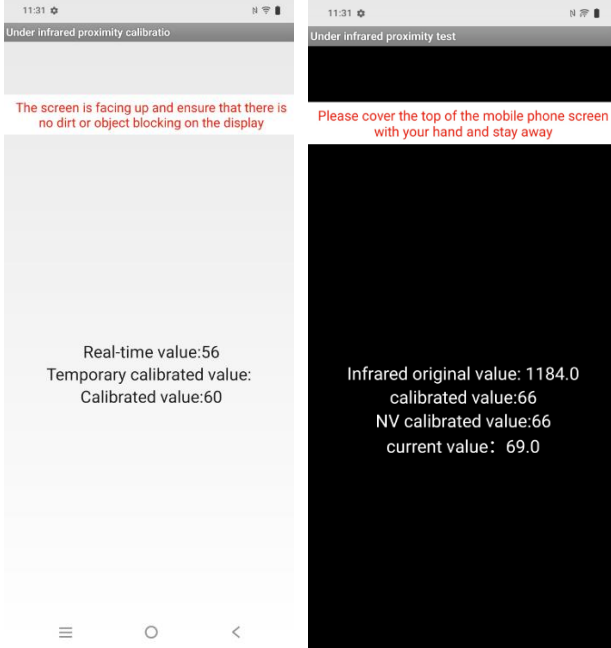
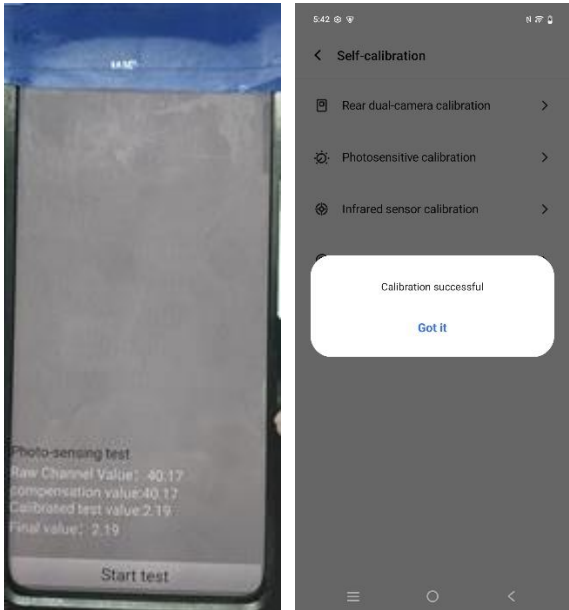
Open the vivo Store / vivo.com app, go to Support > Hardware Test > Self-calibration, and enter the calibration code "SELFREPAIR" to perform the check.

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.




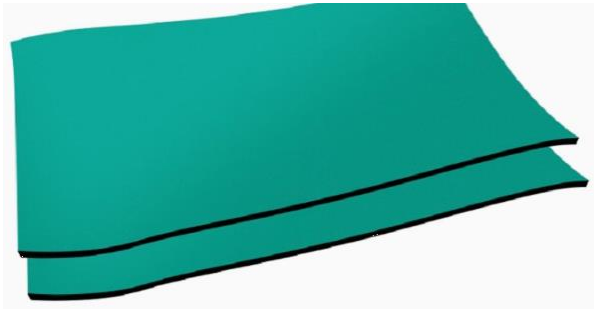
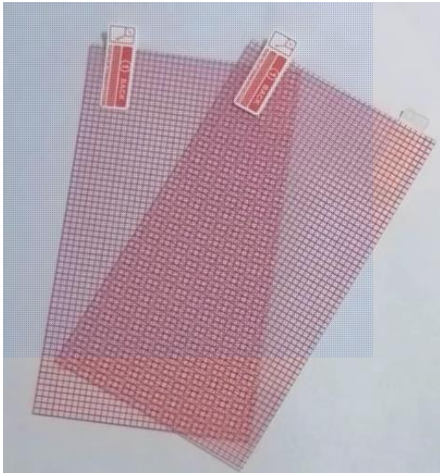
The following table describes calibration items and instructions.

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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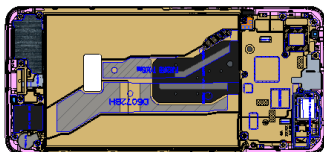
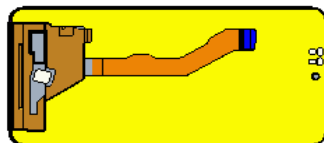
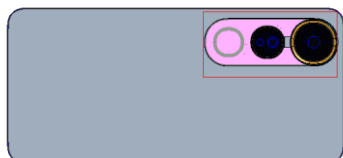
Safety goggles		Preventing liquid/splinter splashes from hurting your eyes during repairs
Anti-static cut-resistant gloves		Preventing ESD damage and cuts during repairs
Anti-static wrist strap		Preventing ESD damage to the device during repairs
Anti-static mat		Preventing ESD damage to the device during 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.

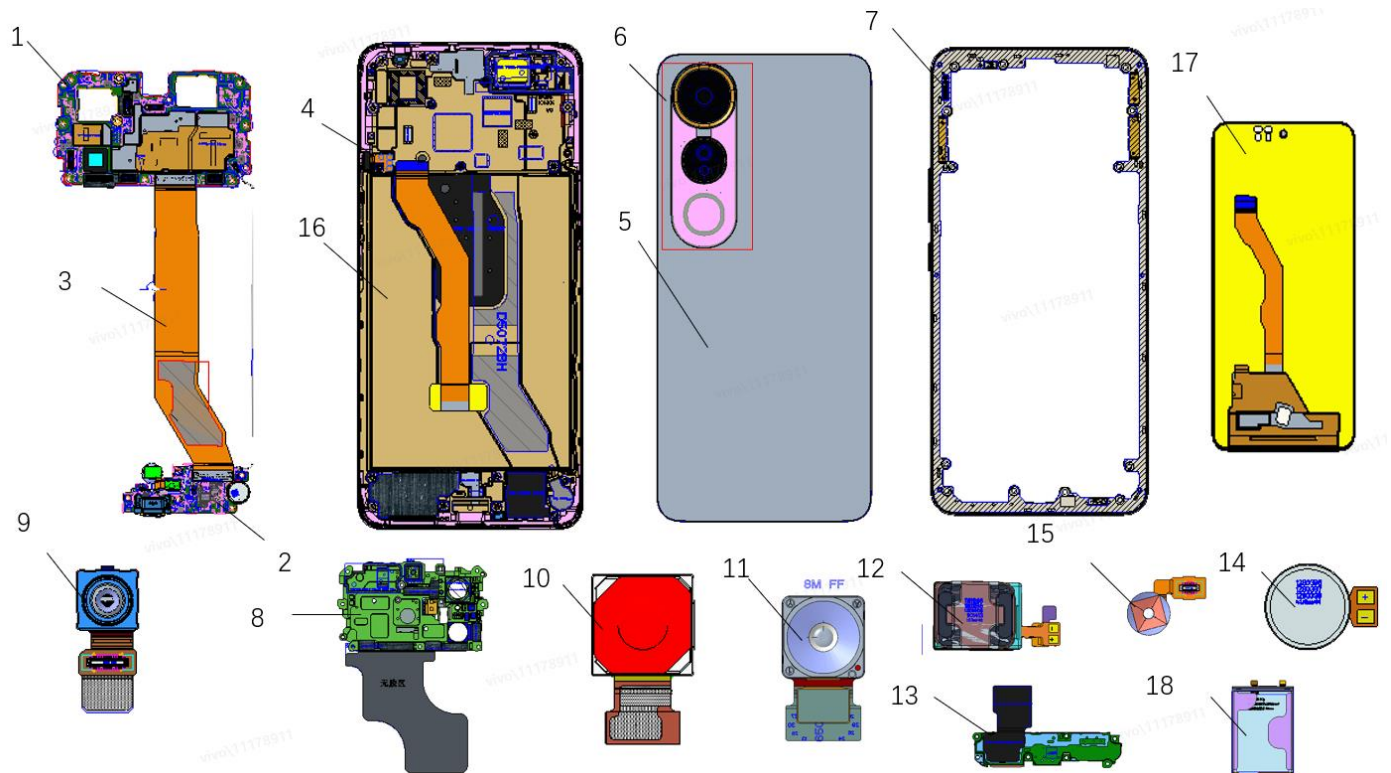
4 Repair guide

4.1 Spare parts

No.	Material name	Purchase code	Adaptation project	Illustration
1	Display assembly	5437461	V50 Lite	
		5437416	V50 Lite 5G	
2	Display module	5436770	V50 Lite & V50 Lite 5G	
3	Back cover assembly	5437457 (Black/EEA)	V50 Lite	
		5437458 (Purple/EEA)		
		5437459(Black/AT)		
		5437460 (Purple/AT)		
		5437414 (Black/EEA)	V50 Lite 5G	
		5437415 (Gold/EEA)		
		5437420 (Black/AT)		
		5437421 (Gold/AT)		

4	Battery assembly	5437406 (EEA) 5437407(AT)	V50 Lite & V50 Lite 5G	
5	Rear Secondary Camera assembly	5437453	V50 Lite	
		5437410	V50 Lite 5G	
6	Rear main camera	5437452	V50 Lite	
		5437409	V50 Lite 5G	
7	Front camera	5437451	V50 Lite	
		5437408	V50 Lite 5G	
8	ANA board	4935291	V50 Lite	
		4935288	V50 Lite 5G	
9	Speaker	5437456	V50 Lite	
		5437413	V50 Lite 5G	
10	Side buttons	5437454 (Black)	V50 Lite	
		5437455 (Purple)		
		5437411 (Black)	V50 Lite 5G	
		5437412 (Gold)		
11	Card tray	5437462 (Black)	V50 Lite	
		5437463 (Purple)		
		5437417 (Black)	V50 Lite 5G	
		5437418 (Gold)		

4.2 Device breakdown



No.	Material name
1	M Board
2	ANA Board
3	FMA Board
4	FK Board
5	Back cover assembly
6	Camera Glass Cover With Decorative Ring
7	Middle Cover assembly
8	M board bracket assembly
9	Front camera assembly
10	Rear main camera assembly
11	Rear Secondary Camera assembly
12	Receiver Component

13	Speaker Component
14	Motor assembly
15	Fingerprint Module assembly
16	Display assembly
17	Display module
18	Battery 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


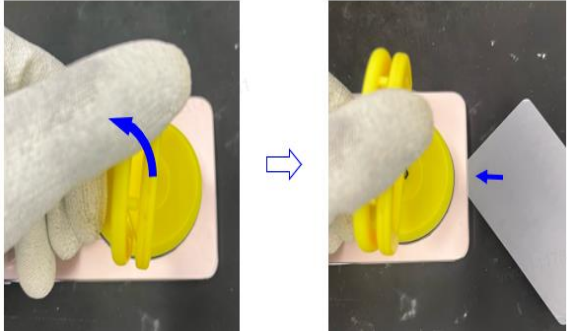
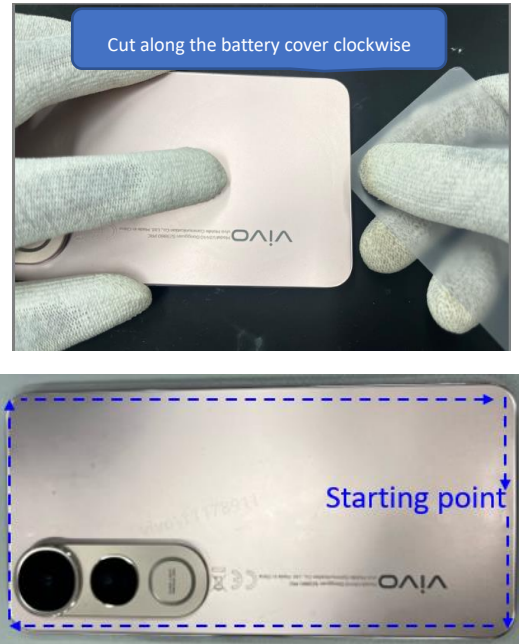

4.3.1 Replace the Battery Cover




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.		

<p>Step 2: Use a heating pad set to 65°C to heat the phone for 5 minutes.</p>		<p>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>
<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>		
<p>Step 7: Use pointed anti-static tweezers to remove all residual adhesive from the battery cover and the back of the device.</p>		<p>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.</p>
<p>Step 8: Clean residual adhesive thoroughly.</p>		
<p>Assembly</p>		
<p>Operation</p>	<p>Illustration</p>	<p>Remarks</p>

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

Repair Difficulty: Low
Estimated Time: 8–12 minutes
Required Spare Parts: Middle Frame assembly

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.	
Step 2: Use a Phillips screwdriver to remove the 16 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.		
Step5: The removal of the middle frame is now complete.		
Installation		
Operation	Illustration	Remarks

Step 1: Install the middle frame assembly. Press the frame clockwise to ensure full engagement.






Step 2: Insert and tighten all 16 screws to complete the reinstallation of the frame.



4.3.3 Replace the M board bracket


Difficulty: low
Duration: 8–12 minutes
Required spare parts: M board bracket assembly


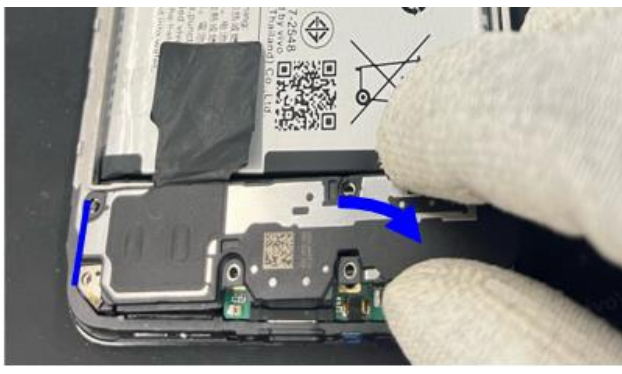
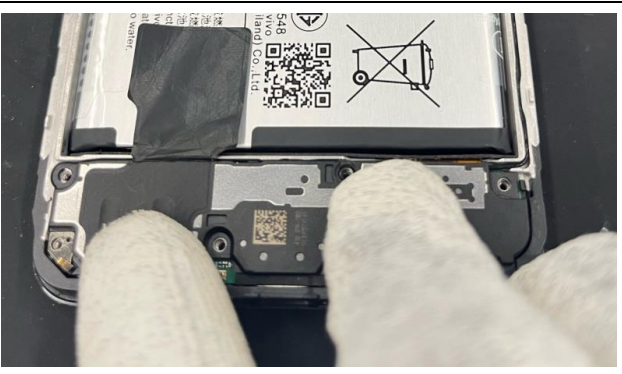
Disassembly		
Operation	Illustration	Remarks
Step 1: Remove the back cover.	See Section 4.3.1.	
Step 2: Remove the middle frame.	See Section 4.3.2.	
Step 3: Use anti-static tweezers to lift the M board bracket from the indicated position.		
Step 4: Remove the M board bracket.		
Assembly		
Operation	Illustration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

Step 1: Secure the M board bracket over the M board and press it firmly into position.		Check for any camera module misalignment.
Step 2: Install the middle frame and fasten it with 16 screws.	See Section 4.3.2.	

4.3.4 Replace the lower speaker

Difficulty: low
Duration: 8–12 minutes
Required spare parts: lower speaker assembly

Disassembly		
Operation	Illustration	Remarks
Step 1: Remove the back cover.	See Section 4.3.1.	
Step 2: Remove the middle frame.	See Section 4.3.2.	
Step 3: Use pointed tweezers to lift the lower speaker from the indicated position.		

Step 4: Remove the lower speaker.			
Assembly			
Operation	Illustration	Remarks	
Step 1: Before installation, check the speaker for attached foreign objects. Then, mount the speaker 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.		

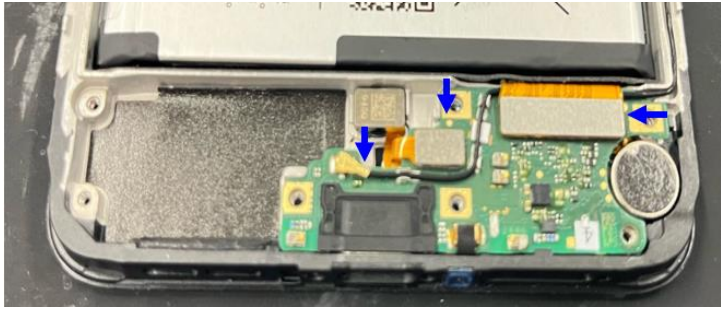

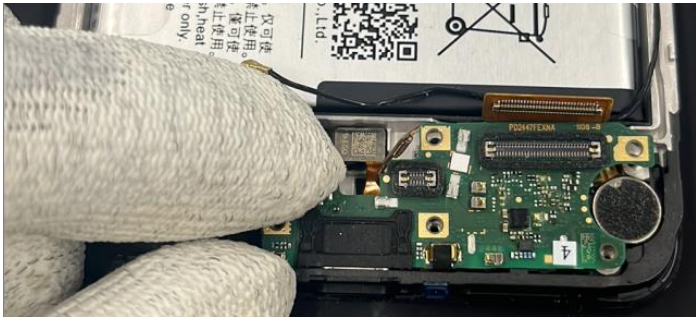
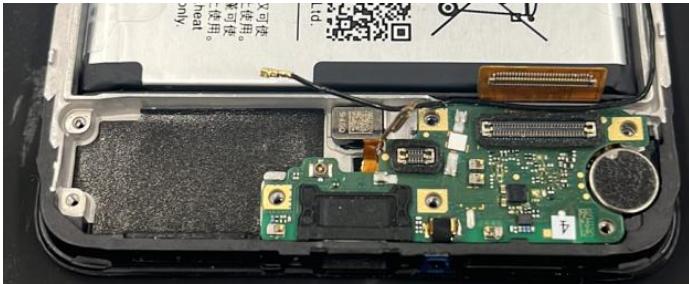

4.3.5 Replace the ANA board (incl. the main mic and charging port)


Difficulty: low

Duration: 9–13 minutes

Required spare parts: ANA board assembly

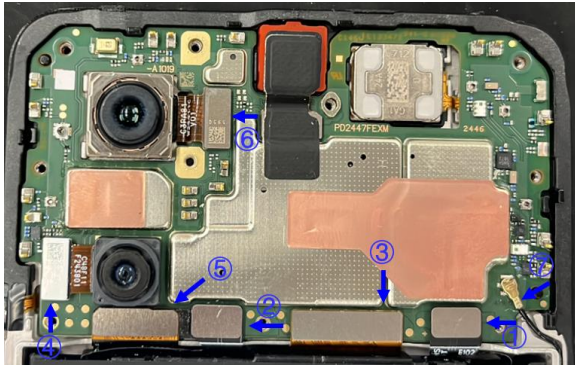
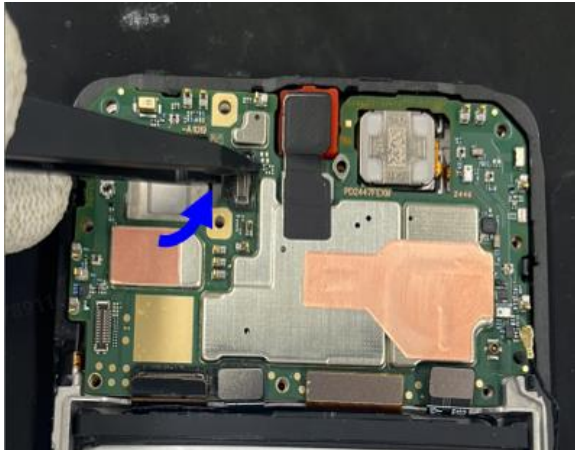
Disassembly		
Operation	Illustration	Remarks
Step 1: Remove the back cover.	See Section 4.3.1.	
Step 2: Remove the middle frame.	See Section 4.3.2.	


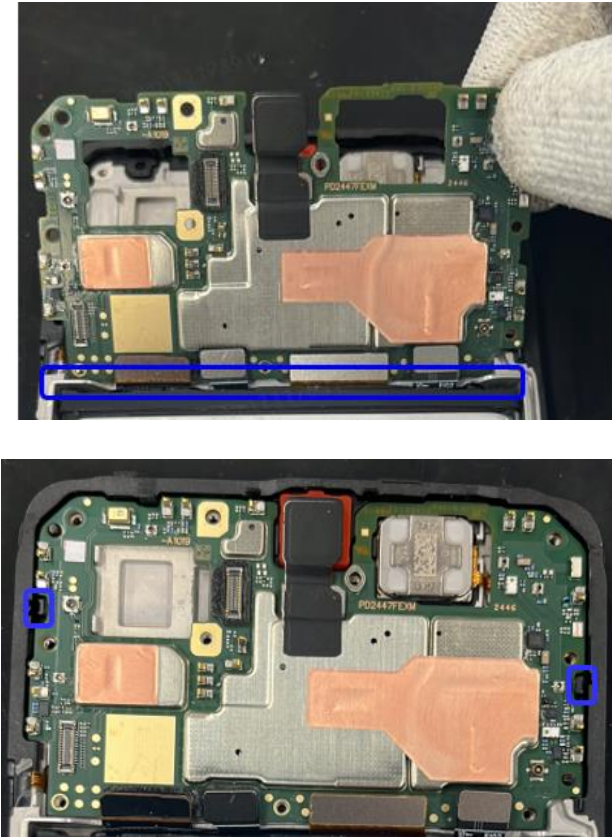
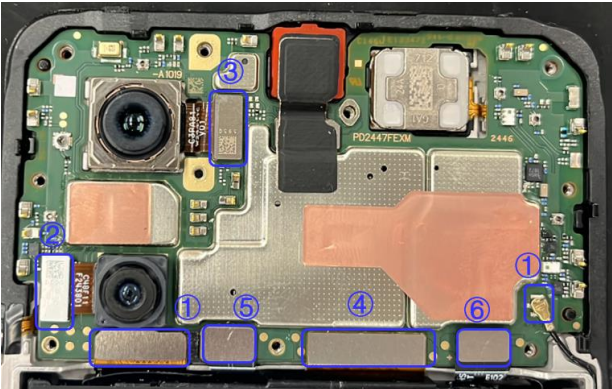
Step 3: Remove the lower speaker.	See Section 4.3.4.	
Step 4: Disconnect the BTB connectors and coaxial cable from the indicated positions.		
Step 5: Use pointed tweezers to lift the ANA board from the indicated position.		
Assembly		
Operation	Illustration	Remarks
Step 1: Align the bottom edge of the ANA board with the USB port, and then press the board until it lies flat without lifting.	 	
Step 2: Connect the coaxial cable and neatly route the coaxial cable into the cable slot.		

Step 3: Connect the BTB connectors of the display and fingerprint scanner.		
Step 4: Install the middle frame and fasten it with screws.	See Section 4.3.2.	

4.3.6 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.	See Section 4.3.2.	
Step 3: Remove the M board bracket.	See Section 4.3.3.	
Step 4: Use pointed anti-static tweezers to disconnect BTB connectors and/or coaxial cables of the battery and other components.		After the camera is removed, protect it from dust and contamination. Avoid touching the lens to prevent impact on photo quality.
Step 5: Use pointed anti-static tweezers to pry up the M board from the indicated position.		



<p>Step 6: Remove the M board.</p>		
<p style="text-align: center;">Assembly</p>		
<p>Step 1: Align the bottom edge of the M board with the main upper part, and then secure the M board. Make sure that the board lies flat without lifting, and snap-fits are engaged in place.</p>		
<p>Step 2: Install the camera, and all BTB connectors and coaxial cables in the indicated order.</p>		
<p>Step 3: Install the M board bracket.</p>	<p>See Section 4.3.3.</p>	
<p>Step 4: Install the middle frame.</p>	<p>See Section 4.3.2.</p>	
<p>Step 5: Install the back cover.</p>	<p>See Section 4.3.1.</p>	
<p>Step 6: Perform calibrations.</p>	<p>After assembly, calibrate the rear cameras, ambient light sensor, and infrared proximity sensor as specified in Section 3.2.3.</p>	

4.3.7 Replace the upper speaker

Difficulty: low

Duration: 9–12 minutes

Required spare parts: upper speaker assembly

Disassembly		
Operation	Illustration	Remarks
Step 1: Remove the back cover.	See Section 4.3.1.	
Step 2: Remove the middle frame.	See Section 4.3.2.	
Step 3: Remove the M board bracket.	See Section 4.3.3.	
Step 4: Remove the M board.	See Section 4.3.6.	
Step 5: Use a flat-head screwdriver to detach the speaker reinforcement plate, and then remove the upper speaker unit.		When removing the speaker unit, do not insert the screwdriver too deeply to avoid damaging the display.
Assembly		
Operation	Illustration	Remarks
Step 1: Clean residual adhesive from the upper speaker area. Apply a new adhesive tape to secure the upper speaker to the middle frame and remove the blue release liner.		Avoid damaging the display during adhesive removal.

Step 2: Press the speaker to position on the main upper part.



4.3.8 Replace the battery

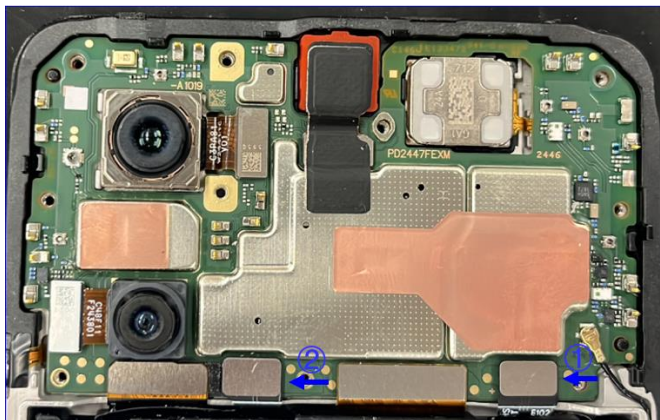
Difficulty: low

Duration: 6–10 minutes

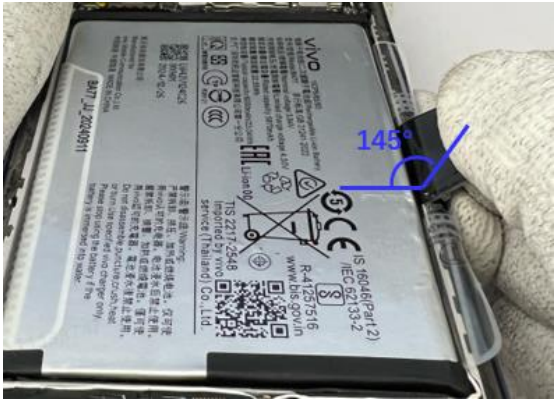
Required spare parts: battery assembly

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.	See Section 4.3.2.	
Step 3: Remove the M board bracket.	See Section 4.3.3.	
Step 3: Disconnect the BTB connector of the battery.		

Step 4: Slowly pull the battery PET film by its pull tab, maintaining a 145° angle between the tab and battery surface during pulling.



注意手部不要挡住电池区域

Assembly

Operation

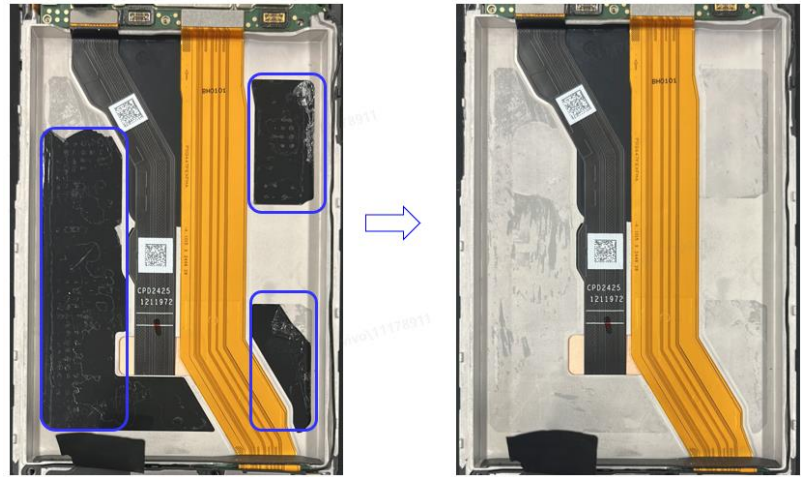
Illustration

Remarks

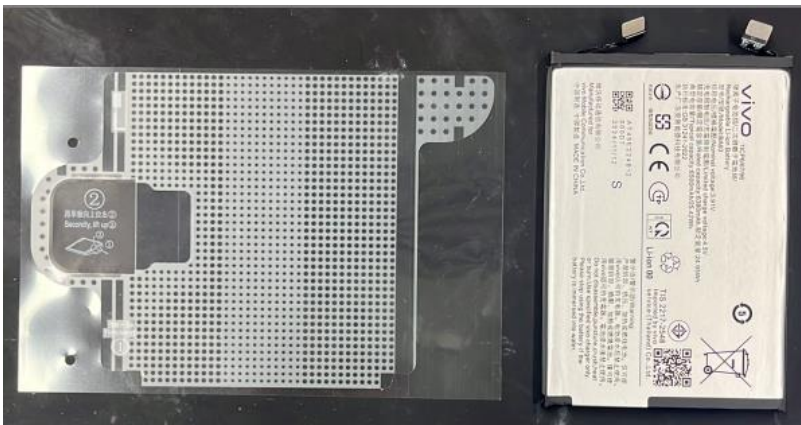
Step 1: Inspect the battery for swelling, deformation, or damage. If any defects exist, the battery cannot be reused and must be replaced.



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.



Step 3: Take a new battery PET disc and attach it to the battery as illustrated.





Step 4: Adhere the battery backing tape to the battery as shown in the picture and then peel off the blue release film.



Step 5: Before installation, make sure that the battery and battery compartment are free of foreign objects. Install the battery into the compartment and press the indicated adhesive areas with your fingers to activate bonding.

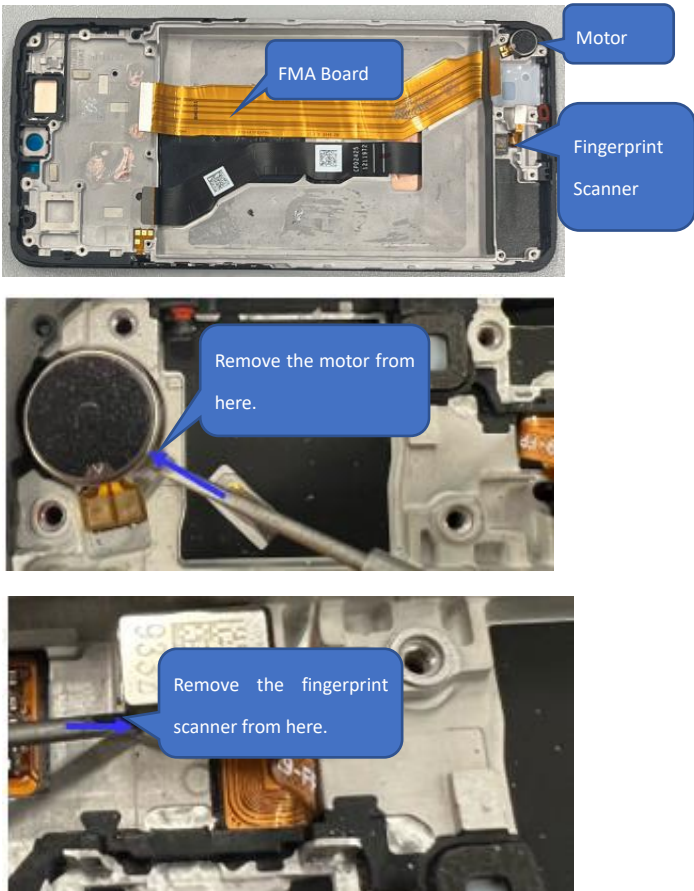




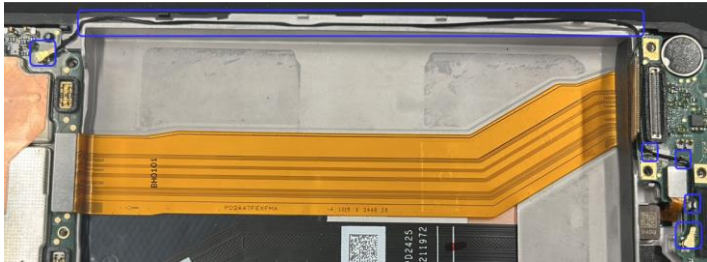

4.3.9 Replace the display assembly

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.	See Section 4.3.2.	
Step 3: Remove the M board bracket.	See Section 4.3.3.	
Step 4: Remove the M board.	See Section 4.3.6.	
Step 5: Remove the upper speaker.	See Section 4.3.7.	
Step 6: Remove the lower speaker.	See Section 4.3.4.	
Step 7: Remove the ANA board.	See Section 4.3.5.	
Step 8: Remove the battery.	See Section 4.3.8.	
Step 9: Remove the FMA board, fingerprint scanner, and motor.	 <p>The illustration block contains three images. The top image shows the internal components of a phone chassis with labels for 'FMA Board', 'Motor', and 'Fingerprint Scanner'. The middle image is a close-up of the motor with a callout: 'Remove the motor from here.' The bottom image is a close-up of the fingerprint scanner with a callout: 'Remove the fingerprint scanner from here.'</p>	

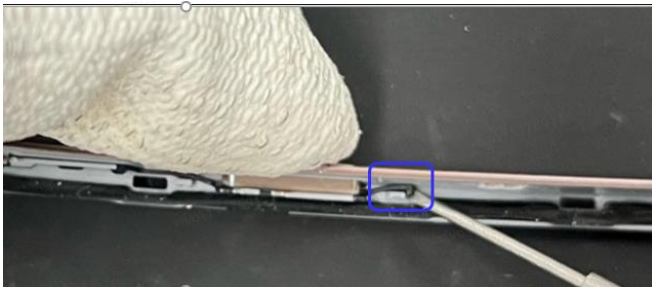
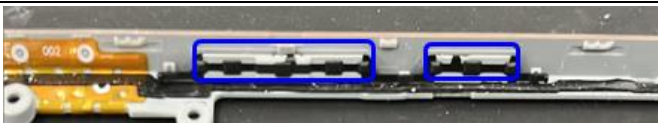

Step 10: The removal is done.		
Assembly		
Operation	Illustration	Remarks
Step 1: Install the upper speaker, M board, cameras, motor, fingerprint scanner, and ANA board.	See the following sections: 4.3.5, 4.3.6, and 4.3.7.	
Step 2: Install the FMA board: First, peel off the FMA release liner. Then, connect 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 3: Install the coaxial cable: First, connect one end of the coaxial cable to the M board. Then, route the cable through the cable slot. Finally, connect the other end of the coaxial cable to the ANA board.		
Step 4: Install the lower speaker, battery, M board bracket, and back cover.	See the following sections: 4.3.1, 4.3.3, 4.3.4, and 4.3.8.	
Step 5: Power on the device to verify normal screen display.		
Step 6: Perform calibrations.	After assembly, calibrate the rear cameras, in-display fingerprint scanner, infrared proximity sensor, and ambient light sensor as specified in Section 3.2.3.	

4.3.10 Replace the side buttons

Difficulty: low

Duration: 6–8 minutes

Required spare parts: side button assembly

Disassembly		
Operation	Illustration	Remarks
Step 1: Remove the back cover.	See Section 4.3.1.	
Step 2: Remove the middle frame.	See Section 4.3.2.	
Step 3: Use a flat-head screwdriver to press the button, and then pry out the side button snap-fits from the indicated slots.		
Assembly		
Operation	Illustration	Remarks
Step 1: Place the new side buttons into their slots.		
Step 2: Use pointed anti-static tweezers to put the button silicone plugs into the snap-fits.		

4.3.11 Replace the display module

Difficulty: high


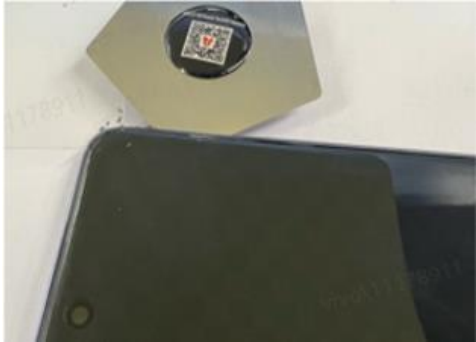
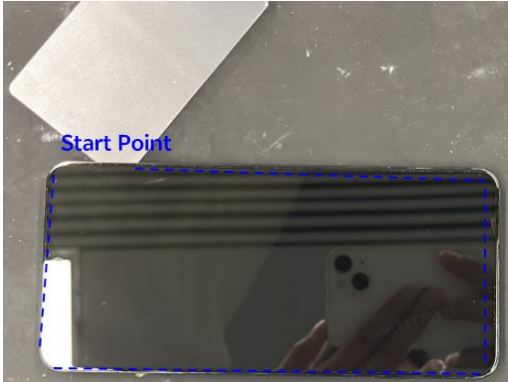
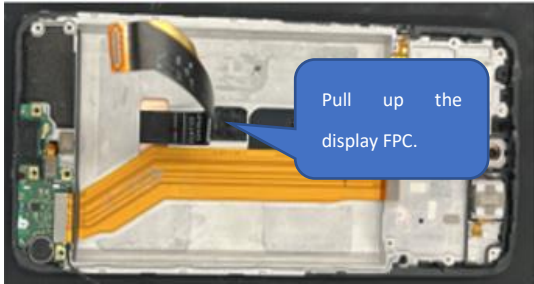

Duration: 20–50 minutes

Required spare parts: display module





Before you remove the display module:

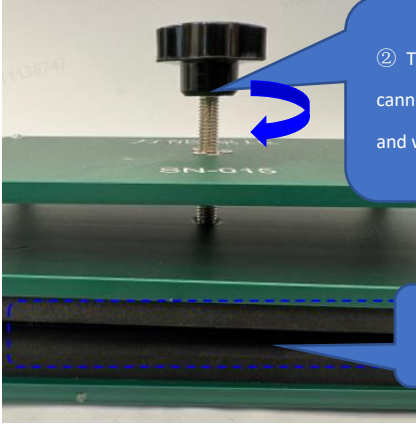

1. Wear gloves to prevent finger cuts from the metal pry pick.
2. Insert the pry pick only between the cover and screen. Inserting the pry pick to the middle frame gaps can cause scratches.
3. Prepare some glue (purchase code: 5121839), which is required for some models.

Disassembly		
Operation	Illustration	Remarks
Step 1: Remove the back cover.	See Section 4.3.1.	
Step 2: Remove the middle frame.	See Section 4.3.2.	
Step 3: Remove the M board bracket.	See Section 4.3.3.	

Step 4: Remove the M board.	See Section 4.3.6.	
Step 5: Remove the battery.	See Section 4.3.8.	
Step 6: Heat the display at 65°C for 5 minutes on the heating pad.		
<p>Step 7: 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.</p>	 	<p>Complete disassembly immediately after heating. Delays may cause cooling and difficulty. Use a metal pry pick only for stubborn areas.</p>
Step 8: After separating all edges, remove the display FPC, and then gently remove the display by lifting it upward.	 	

Assembly		
Operation	Illustration	Remarks
<p>Step 1: Use pointed tweezers to clean residual adhesive from the back of the main upper part and the bottom edge. Inspect the anti-static foam and replace it if it is damaged.</p>		
<p>Step 2: Apply the display adhesive tape to the main upper part. Match positions A and B with corresponding locations. Press the adhesive tape to activate bonding.</p>		
<p>Step 3: Take a bottle of glue, clear any cured glue from the applicator tip to ensure proper glue flow, and apply glue on the bottom edge of the device. Clean excess glue inside with a pry tool. Adjust uneven glue with the applicator tip.</p>	<p>Pose Guide</p>	
<p>Step 4: After glue application, remove all adhesive release liners. The figure on the right side shows how it looks after proper glue application.</p>		

<p>Step 5: Insert the display FPC into the FPC slot in the middle frame, as shown in the figure. Put the display in position, align it with the main upper part, and fully engage them.</p>	 <p>The image shows a close-up of the internal components of a device. A blue label 'FPC Slot' points to a slot in the middle frame. Another blue label 'Display FPC' points to the flexible printed circuit being inserted into the slot.</p>	
<p>Step 6: Wipe excess glue from the bottom edge with a lint-free cloth.</p>	 <p>The image shows a white lint-free cloth being used to wipe the bottom edge of a black device, likely to remove excess adhesive.</p>	
<p>Step 7: After assembly, wrap your fingers with a lint-free cloth and firmly press along all adhesive areas for 1 minute to activate bonding.</p>	 <p>The image shows a hand wrapped in a white lint-free cloth, pressing down on the top edge of a black device to activate the bonding of the adhesive.</p>	
<p>Step 8: Install the M board, remove the release liner of the display FPC adhesive tape, connect the display FPC BTB connector, and secure the FPC from the bottom up.</p>	 <p>The image shows the internal components of a device, including the M board, display FPC adhesive tape, and BTB connector.</p>	
<p>Step 9: Install the lower speaker, M board, upper speaker, ANA board, battery, M board bracket, middle frame, and back cover.</p>	<p>See Sections 4.3.1 through 4.3.8.</p>	<p>Make sure that the display can light up before you install the back cover.</p>

<p>Step 10: After full assembly, put the device into the pressure fixture as shown and maintain pressure for 30 minutes.</p>	 <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>	
<p>Step 11: Power on the device to verify its functionality.</p>		
<p>Step 12: Perform calibrations.</p>	<p>After assembly, calibrate the rear cameras, in-display fingerprint scanner, infrared proximity sensor, and ambient light sensor as specified in Section 3.2.3.</p>	