

SAMSUNG

REPAIR GUIDE

SM-X350
SM-X356B
SM-X358U

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www.samsung.com

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Usage Notices

All functionality, features, specifications, and other device information provided in this document, including but not limited to, benefits, design, pricing, components, performance, availability, and capabilities of the device are subject to change without notice. Samsung reserves the right to alter this document or the device described herein at any time, without obligation to provide notification of such changes.

Precautions for Repair

Samsung is not liable for any damage or defect determined to be caused by repair by a non-authorised carrier, self repair or non-professional repair of the device. Samsung is not liable for any resulting damage to the device, or any injury or other device safety issue caused by any attempt to repair the device which does not follow these repair and maintenance instructions.

Any damage to the device or defect caused by an attempt to repair the device by any person other than a Samsung certified carrier will not be covered by the warranty.

- Use only demagnetised tools that are specifically designed for small electronic repairs, as most electronic parts are sensitive to electromagnetic forces.
- Use only high quality screwdrivers when servicing devices. Low quality screwdrivers can easily damage the heads of screws.
- Always use genuine replacement parts. Third-party replacement parts may not function properly and could cause a fire or injury.
- Some parts, such as sensors (laser AF/proximity/fingerprint), the rear camera, the TSP (touch panel), speakers, and other components, may need calibration to guarantee their performance after repair.
- The performance of the device's water and dust resistance cannot be guaranteed when it is repaired by the user or another unskilled worker.
- If you need to access the failure data of your device or need to get a more detailed diagnosis, visit a Samsung Service Centre.
- If you need to replace unsold parts, visit a Samsung Service Centre and receive further instruction.
- Before conducting repairs, remember to make backup copies of all important data stored in the device.

- Make sure to wear the appropriate safety equipment before carrying out repairs. Samsung is not responsible for injuries that may occur because of not wearing the proper safety equipment. Refer to [Tools for Disassembly and Assembly](#) for a list of tools that you will need for assembling and disassembling the device.
- Repair the device in a safe place.
- Before repairing the device, make sure the device is turned off. To turn off the device, press the Volume Down button and the Side button at the same time, or open the notification panel and tap the Power icon.
- If the device is damaged, emits smoke, or if you smell something burning, stop using the device immediately and contact Samsung.
- It is recommended to use safety equipment such as glasses, gloves, and a mask when repairing the device.
- Be careful not to damage the device when removing the back cover.
- Before assembly, ensure that there are no screws or foreign objects around the battery.
- During assembly, check if there are any abnormalities before reattaching the back cover, and be careful not to damage the battery by hitting or denting it. If the battery is damaged, visit a Samsung Service Centre.
- Do not place the device directly into a microwave and heat it.
- Before repairing your device, make sure its battery is fully discharged.
- Visit www.samsung.com to view the device information, related material, and safety information.

ESD (Electrostatic Discharge) Precautions

It is the sudden flow of electricity between two electrically charged objects caused by contact, an electrical short, or dielectric breakdown. ESD can cause negative effects on mobile devices, especially electrical parts.

- It is recommended to use ESD safety (Anti-static) equipment such as an anti-static wrist strap and gloves, and an ESD safe mat when repairing the device.
- Increase the airflow to the work area to decrease the chance of accidental static electricity discharges, as the potential for static electricity discharge may be increased in low-humidity environments, such as air-conditioned rooms.

Instructional Icons



Warning: situations that could cause injury to yourself or others



Caution: situations that could cause damage to your device or other equipment



Notice: notes, usage tips, or additional information

Software Update

Updating Software through FOTA

Update your device's software through the firmware over-the-air (FOTA) service. You can also schedule software updates.

Launch the **Settings** app and tap **Software update** → **Download and install**.

- **Install now:** Install updates.
- **Schedule install:** Set the time to install updates automatically.



- You may incur additional charges when updating the software through a mobile network.
- If the latest software has been downloaded to the device, these options will not appear.

Software Update Failure

If your device becomes disconnected from a network before the update is complete, the update may fail. Reconnect to a network and complete the update.

Updating Software through Smart Switch

You can use Smart Switch to update your device's software to the latest version. You must download the desktop version of the Smart Switch app from www.samsung.com/smartswitch.



- This feature may not be supported on some devices or computers.
- Limitations apply. Visit www.samsung.com/smartswitch for details. Samsung takes copyright seriously.

- 1 On the computer, visit www.samsung.com/smartswitch to download Smart Switch.
- 2 On the computer, launch **Smart Switch**.
- 3 Connect your device to the computer using the device's USB cable.
- 4 Click **Update**.

- 5 Read the on-screen instructions and click **Continue**.
- 6 Read the precautions about the update and click **OK**.
- 7 Read and agree to the terms and conditions.
The update will start.

Recovering from a Software Update Failure

If a software update is interrupted because of an error on your device or computer, your device may fail to operate normally. If this occurs, you can perform a factory data reset on your device for emergency recovery.

-  Before performing the factory data reset, remember to make backup copies of all important data stored in the device. Samsung is not responsible for the loss of data stored in the device.
- 1 Disconnect your device from the computer and launch **Smart Switch** again on the computer.
 - 2 Click  → **Emergency Software Recovery and Reset**.
The device list will appear.
 - 3 Click the device that experienced a software update error and click **Device reset** → **OK**.
The device will perform a factory data reset.

Recovering on Another Computer

If the emergency recovery process continues to fail on the computer where the software update failed, you can repair your device on another computer using the recovery code. This will include a factory data reset of your device.

- 
 - Before performing the factory data reset, remember to make backup copies of all important data stored in the device. Samsung is not responsible for the loss of data stored in the device.
 - The recovery code can be found only on the computer where the software update has failed.
- 1 On the computer where the software update has failed, launch **Smart Switch**.
 - 2 Click  → **Emergency Software Recovery and Reset**.

- 3 On the devices list, click the device that failed to update the software and check the recovery code.
- 4 On another computer, launch **Smart Switch**.
- 5 Click **:** → **Emergency Software Recovery and Reset** → **Emergency code recovery**.
- 6 Enter the recovery code and click **OK**.
- 7 Follow the on-screen instructions to put your device into recovery mode and complete the emergency recovery.

Performing a Factory Data Reset

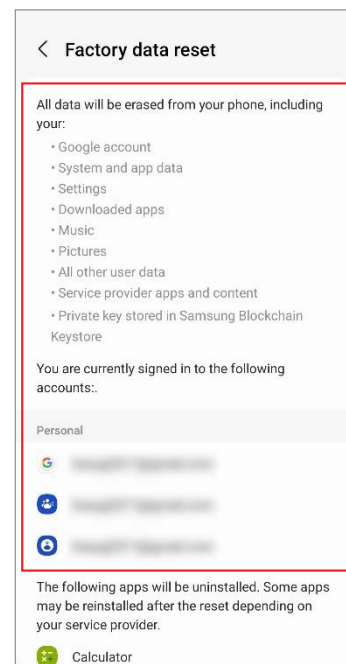
The factory data reset restores the device's default settings. This erases all data, including files and downloaded apps, from the device.



Before performing the factory data reset, remember to make backup copies of all important data stored in the device. Samsung is not responsible for the loss of data stored in the device.

Make sure your device's battery level is sufficient, as losing power during a factory reset may result in system problems.

- 1 Launch the **Settings** app and tap **General management** → **Reset** → **Factory data reset**.
- 2 Read the on-screen instructions and check which account you are signed in with.
If your device is signed in to your Google account, log out of your Google account. If you do not log out of your Google account, logging in to another account after the factory data reset will not be possible, because your device will be locked.



3 Tap **Reset** → **Delete all**.

All data will be deleted when rebooting.



During a factory data reset, the device may repeat rebooting and the logo may be displayed for a long time.

Quality Test

Quality Test Using the Samsung Members App

It is recommended to evaluate your device through the Samsung Members app after it has been repaired to guarantee its performance. If the test results show any abnormalities or that another malfunction has occurred because of the repair, visit a Samsung Service Centre to receive further instruction. Any malfunctions caused by your repair may incur additional repair charges.



- The Samsung Members app is subject to update without any prior notice.
- To use this feature, you must sign in to your Samsung account.
- Some features may not be available depending on the carrier or model.

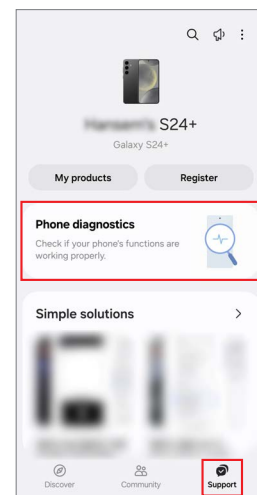
Device Diagnostics

- 1 Launch the **Samsung Members** app.

If you do not have the app, download it from the **Galaxy Store** or **Play Store**.

- 2 Tap **Support** → **Phone diagnostics**.

The diagnostics screen will appear and you can check the test status and items.

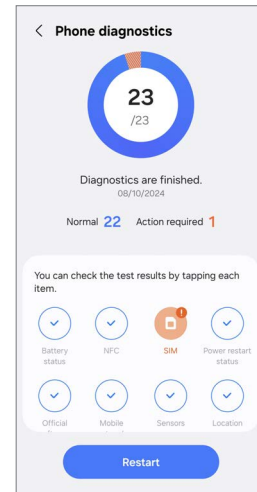


3 Tap **Test all**.

The device performs a test on all items.

When the test is finished, you can check the test results.

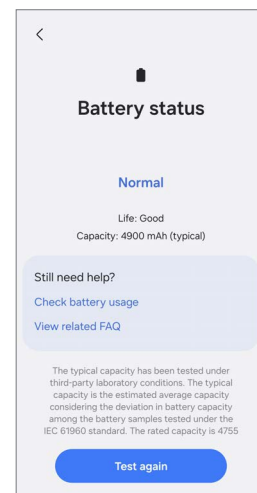
- Tick mark: Working normally
- Exclamation mark: Needs further inspection
- The test proceeds automatically, but you may need to follow the on-screen instructions depending on the test item. Keep an eye on the screen during testing to ensure smooth progress.
- If the exclamation mark appears on any test items after finishing the test, tap them to find the solutions. If the problem persists, visit a Samsung Service Centre.



Test Items

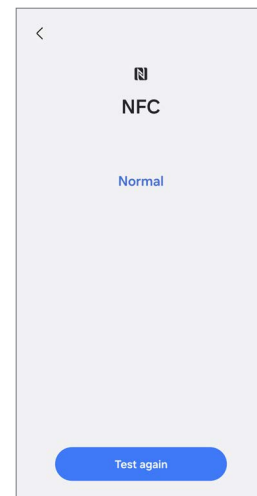
Battery status

Check the battery life and capacity.



NFC

Check whether the near field communication (NFC) feature is working normally.

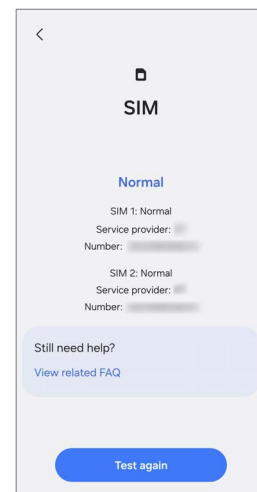


SIM

Check whether the SIM is working normally.

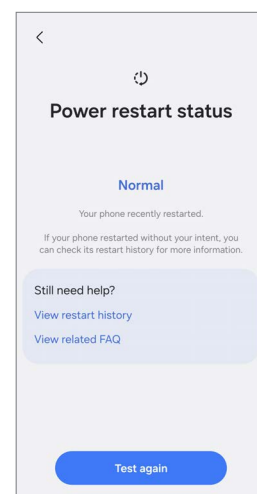


If the test result is not **Normal**, remove the SIM card from the SIM card tray and replace it. If possible, try again with another SIM card.



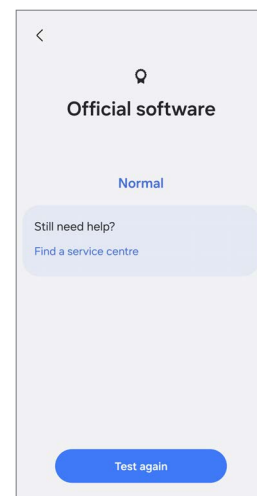
Power restart status

Check whether the device has restarted within the last 7 days.



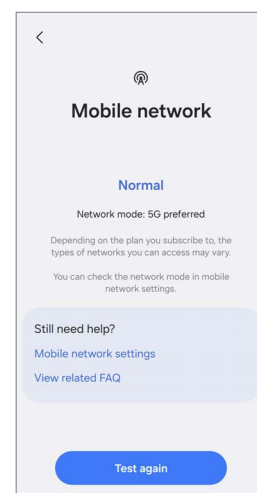
Official software

Check whether the official software is being used.



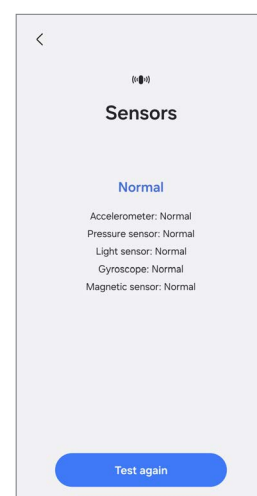
Mobile network

Check whether your mobile network is working normally.



Sensors

Check whether the sensors are working normally.

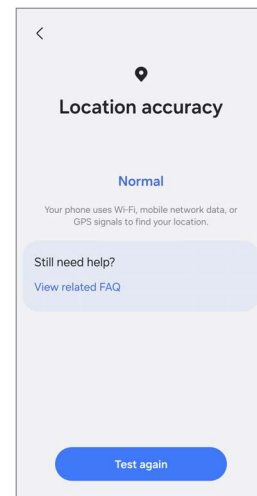


Location accuracy

Check whether the location feature is working normally.



The results might be more accurate when you test outside.

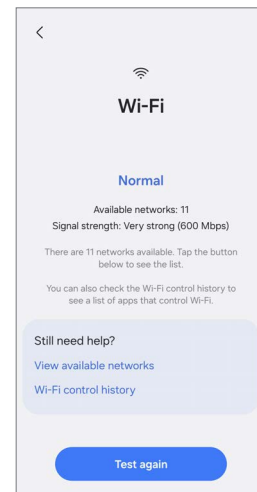


Wi-Fi

Check whether the Wi-Fi feature is working normally.



To test this feature, the Wi-Fi feature must be activated.

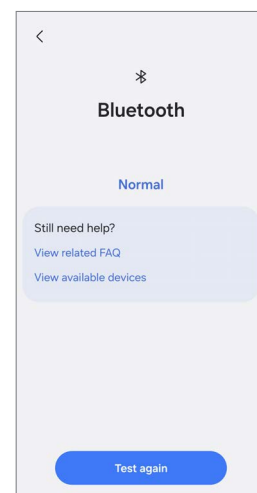


Bluetooth

Check whether Bluetooth can search for other Bluetooth devices.

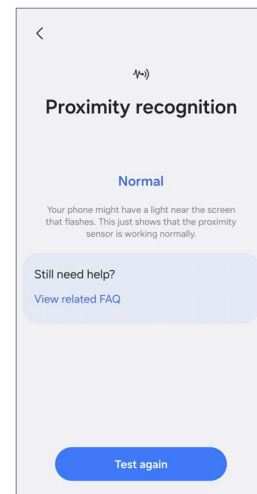


To test this feature, the Bluetooth feature must be activated.



Proximity recognition

Check whether the proximity recognition feature is working normally.

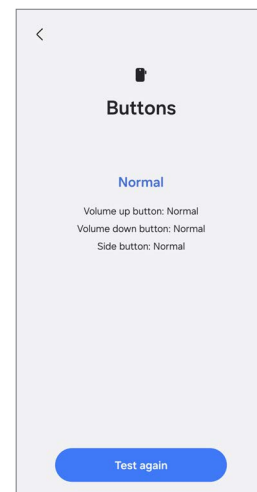


Buttons

Check whether the buttons are working normally.

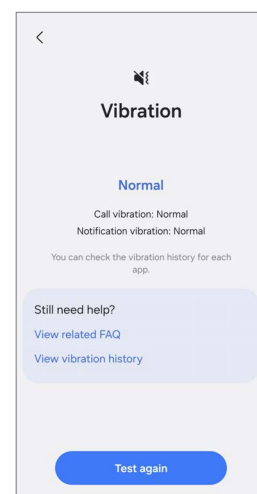


Make sure that the buttons are not contaminated to get more accurate test results.



Vibration

Check whether the vibration feature is working normally.

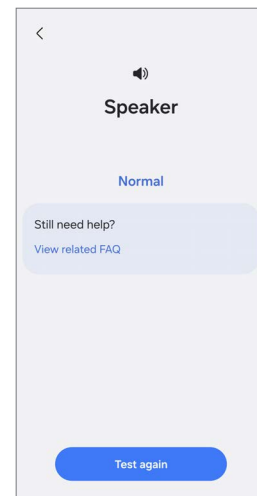


Speaker

Check whether the speakers are working normally.



If you cannot hear the sound well, check whether the media volume is turned up and if the speaker is obstructed by foreign objects, the case, or the protective film.

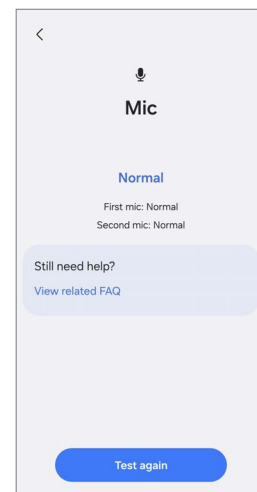


Mic

Check whether the microphones are working normally.



- The number of tests may vary depending on the model.
- If you cannot hear anything after recording, check whether the media volume is turned up and if the microphone or speaker is obstructed by foreign objects, the case, or the protective film.

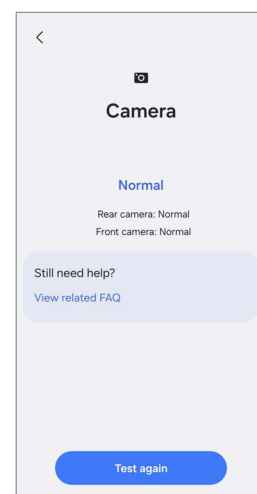


Camera

Check whether the cameras are working normally.



To test this more accurately, check if the camera is obstructed by foreign objects, the case, or the protective film.

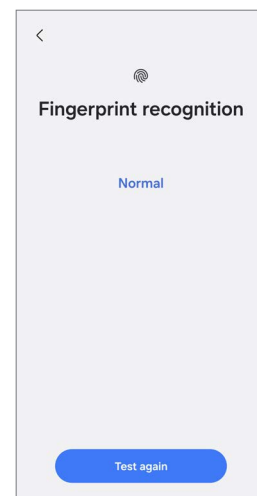


Fingerprint recognition

Check whether the fingerprint recognition sensor is working normally.



To test this feature, your fingerprint must be registered.

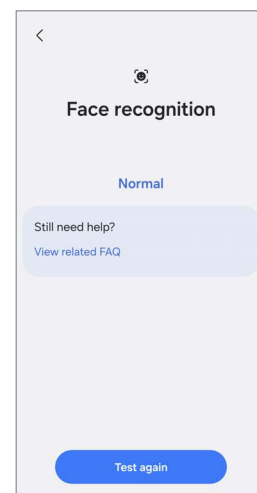


Face recognition

Check whether the face recognition sensor is working normally.



To test this feature, your face must be registered.

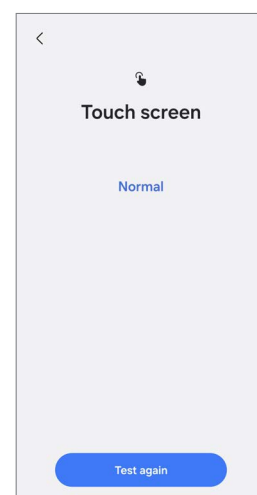


Touch screen

Check whether touch inputs are recognised normally in all areas of the screen.



Make sure that the screen is clean to get more accurate test results.

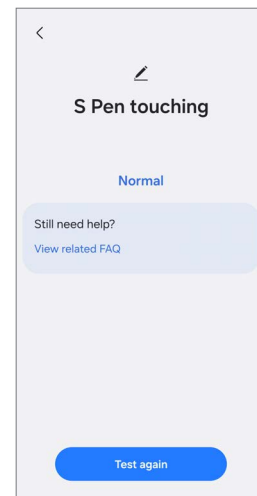


S Pen touching

Check whether the S Pen is recognised in all areas of the touch screen.



- Make sure that the screen is clean to get more accurate test results.
- This test is only available for the S Pen supported models.

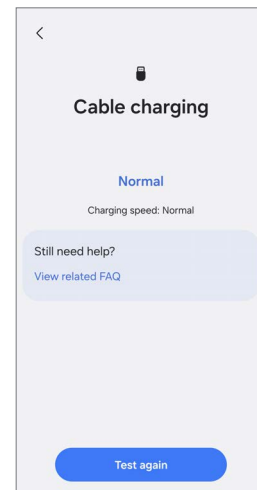


Cable charging

Check whether the cable charging feature is working normally.



- Use only Samsung-approved chargers.

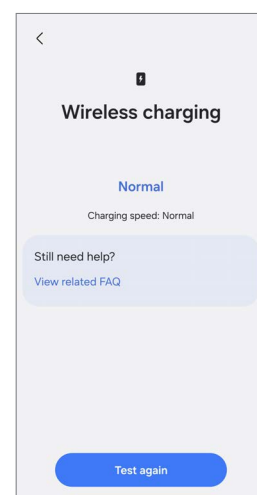


Wireless charging

Check whether the wireless charging feature is working normally.



- Use only Samsung-approved wireless chargers.

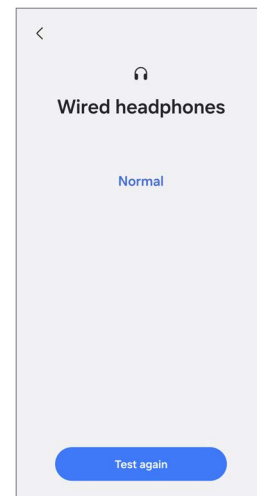


Wired headphones

Check whether the headphone jack recognises the headphones normally.



To test this feature, you must connect headphones.

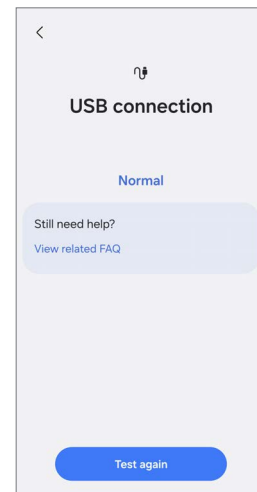


USB connection

Check whether the multipurpose jack recognises the USB cable normally.



To test this feature, the USB cable must be connected to a computer.



Calibrations

Calibrations

In order to guarantee the stable and correct performance of components or sensors, it is required to conduct calibrations through the **Self Repair Assistant** app after repair.

If the calibration results show any malfunctions, visit a Samsung Service Centre for further action. Any malfunctions caused by your repair may incur additional repair charges.



- The **Self Repair Assistant** app is subject to update without any prior notice.
- In order to conduct the accurate calibrations after repair, visit a Samsung Service Centre or website to buy calibration equipment if you do not have any.

Used Parts and Calibration Functions in Supported Models

The calibration functions are automatically conducted based on the selected parts.

	Screen	Battery	Back Glass	Charging Port	Speaker
Optical Fingerprint Cal.	Yes	No	No	No	No
Range Sensor Cal.	Yes	Yes	Yes	Yes	Yes
Battery Cycle Resets.	No	Yes	No	No	No
Touch Screen Panel Cal.	Yes	No	No	No	No
Speaker Cal.	No	No	No	No	Yes
Under-display Camera Cal.	Yes	No	No	No	No
Digital Hall Sensor Cal.	Yes	No	No	No	No



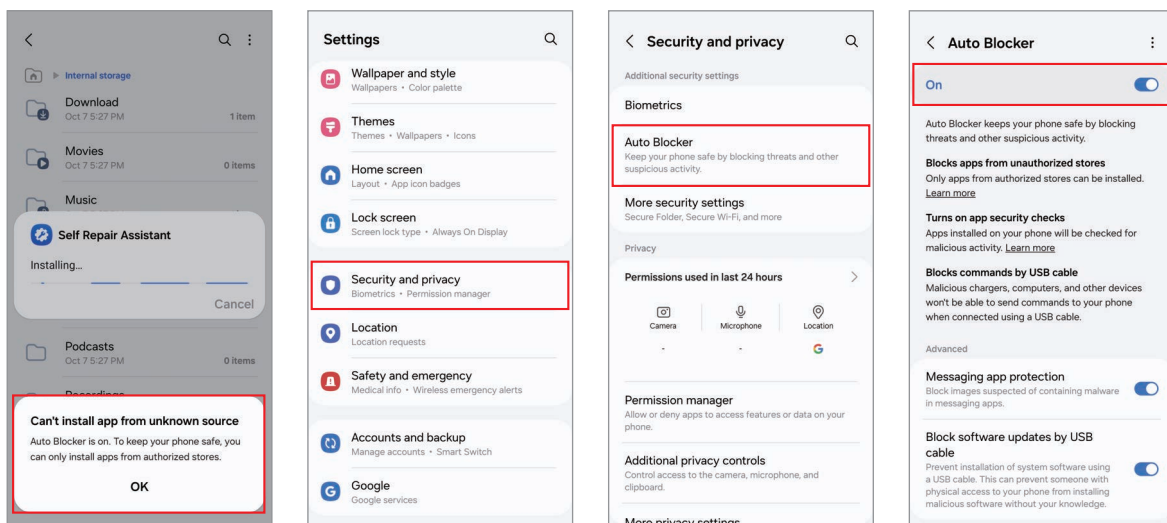
- Depending on the model, the screen module may include batteries. So when the screen module is replaced, the battery also has to be selected and a battery cycle reset must be performed.
- In the Fold models, touch screen panel calibration is performed for both the main and cover screens.
- Digital hall sensor calibration is only for the Fold and Flip models and under-display camera calibration is only for the Fold models.

Using the Self Repair Assistant App

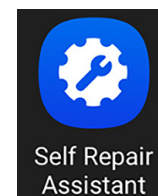
1 Download the **Self Repair Assistant** app from **Galaxy Store**.



For US devices, you need to install the APK file for the **Self Repair Assistant** app manually. However, if the **Auto Blocker** function which is provided from Android OS 14 (U OS) is turned on, you cannot install any APK files manually through the **My Files** app. In this case, launch the **Settings** app, tap **Security and privacy** → **Auto Blocker**, and then tap the switch to turn it off to install the **Self Repair Assistant** app.



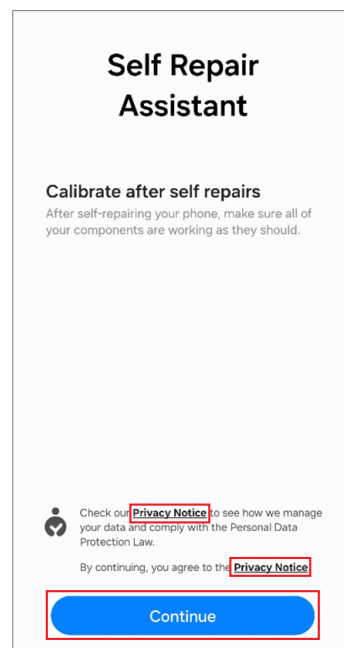
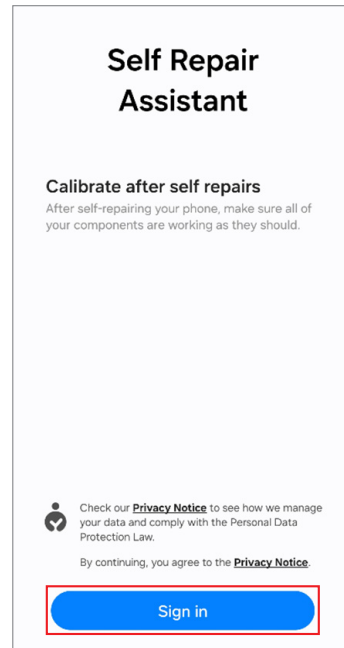
2 Launch the **Self Repair Assistant** app.



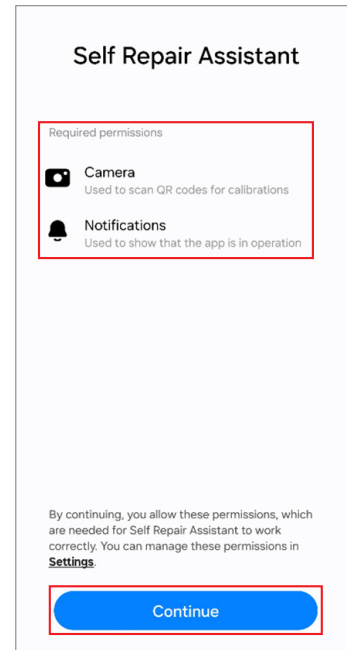
3 Read Privacy Notice and tap **Continue**.



- If you are not signed in to your Samsung account, a button will appear to sign in.
- If you select the link to read the full Privacy Notice, you will be directed to our site.



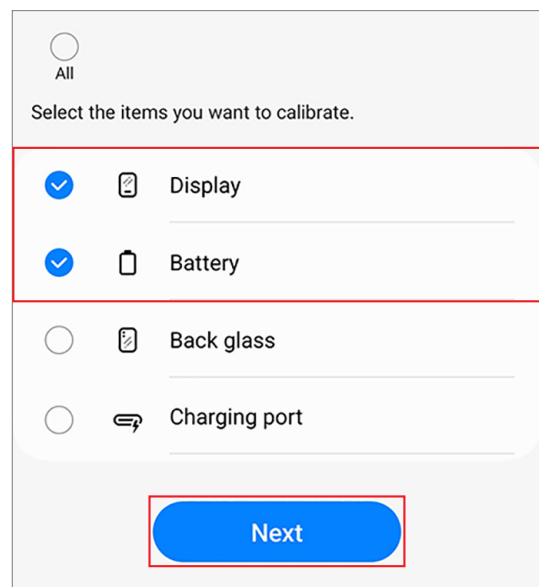
4 Check permissions and tap **Continue**.



5 Select the part that you have replaced and tap **Next**.



- The required calibrations will be conducted automatically.
- If the device does not have certain components or sensors associated with the part that has been replaced, relative calibration will be skipped automatically.



- 6 Read the on-screen instructions and tap **Start**.

 Refer to [Optical Fingerprint Sensor Calibration](#), [Resetting the Battery Cycle Count](#), [Range Sensor Calibration](#), [Touch Screen Panel Calibration](#), [Speaker Calibration](#), [Under-display Camera Calibration \(Fold Models Only\)](#), and [Digital Hall Sensor Calibration \(Fold and Flip Models Only\)](#) for more information.

Optical fingerprint sensor calibration

This calibration is needed after replacing the phone's screen.

You'll need to place different colored rubber squares on the screen when prompted.

Start

Skip

Camera range sensor calibration

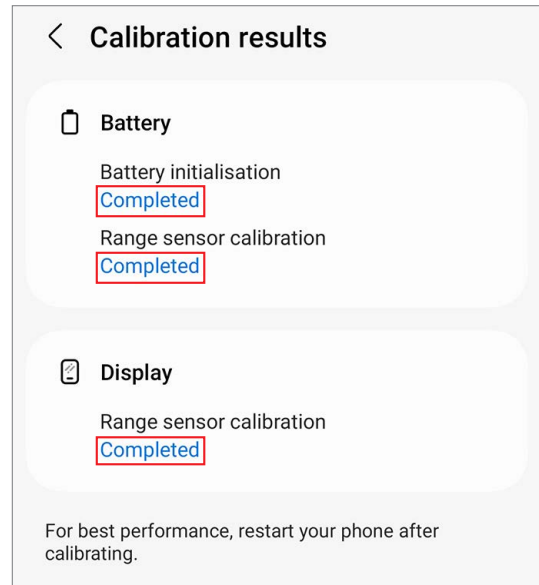
This calibration needs to be done in the dark. Move to a dark room before starting this calibration.

Start

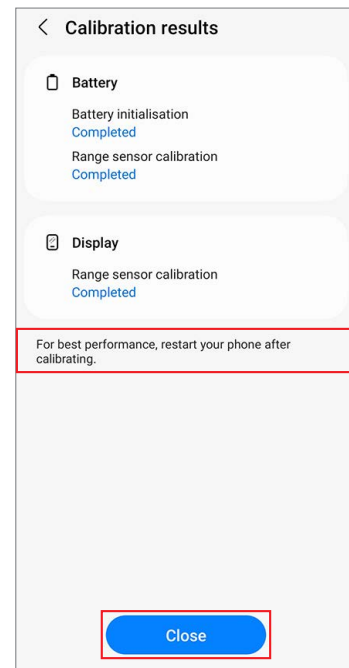
Skip

7 Check the results of each calibration item.

- **Completed:** Calibration was done normally.
- **Failed:** Calibration failed.
- **Skipped:** Calibration was skipped.



8 On the calibration results page, tap **Close** to close the app.
Restart your device to finish calibrating.



Optical Fingerprint Sensor Calibration

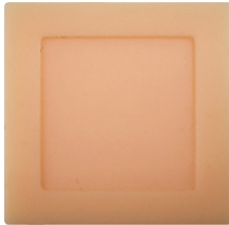
Whenever the screen is replaced, the optical fingerprint sensor must be calibrated to guarantee optimised fingerprint sensor performance for devices that have it.

Optical fingerprint sensor calibration is available through the **Self Repair Assistant** app.



- This feature may not be available depending on the model. The availability of this feature can be automatically checked in the Self Repair Assistant app, so please follow the guidance of the Self Repair Assistant app.
- Three rubbers (the white calibration box, the black calibration box, and the 3D fingerprint dummy rubber) are required to start this calibration.

White calibration box



Black calibration box



3D fingerprint dummy rubber

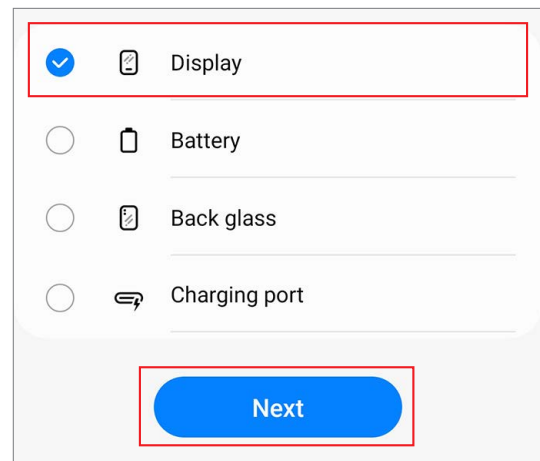


1 Launch the **Self Repair Assistant** app.

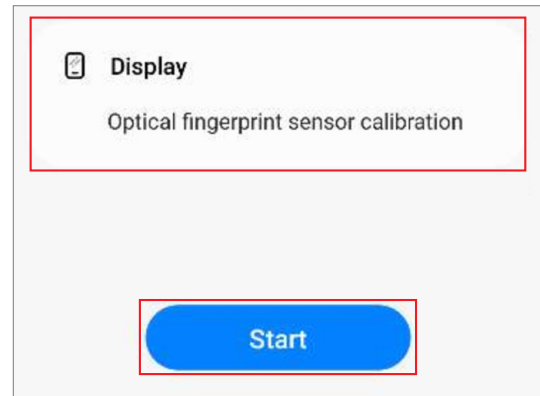
2 Tap **Display** → **Next**.



- The required calibration or test items will be processed automatically.
- If the device does not have certain components or sensors associated with the part that has been replaced, relative calibration will be skipped automatically.

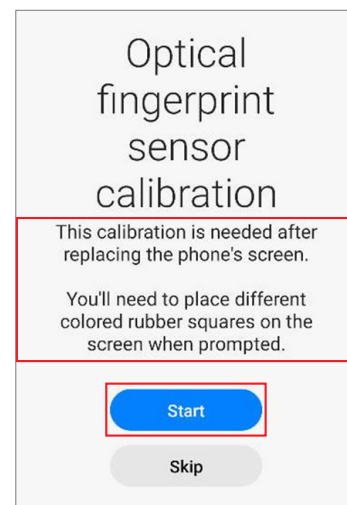


- 3 Check the part and calibration and then tap **Start**.



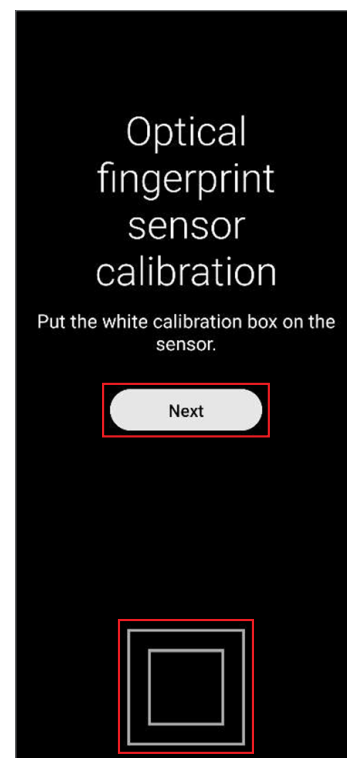
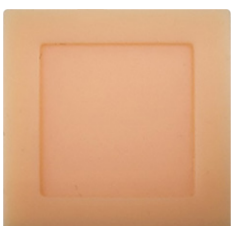
- 4 Read the on-screen instructions and tap **Start**.

-  The white calibration box must be prepared before you start.



- 5 Put the white calibration box on the sensor area (below the square side) and push the rubber by applying force with your finger. Tap **Next** and keep pushing the rubber with your finger until you see the success message.

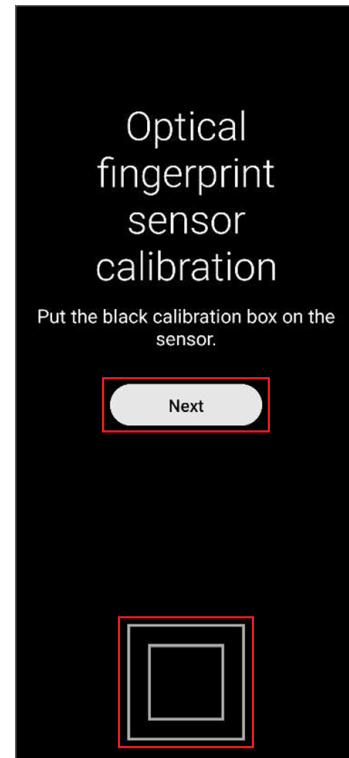
-  The bottom side of the rubber that is shaped like a square should be located on the square guide line.



- 6 Put the black calibration box on the sensor area (below the square side) and push the rubber by applying force with your finger. Tap **Next** and keep pushing the rubber with your finger until you see the success message.



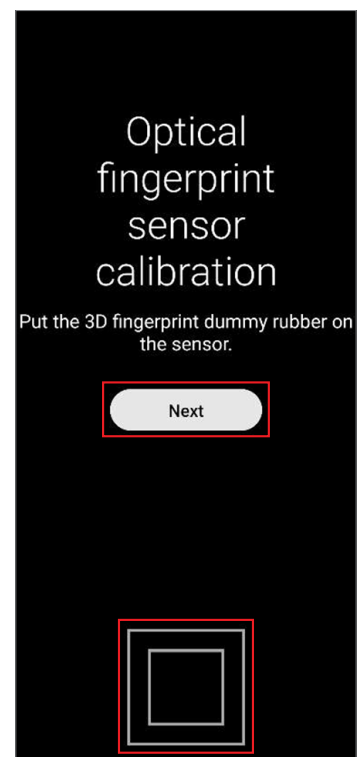
- The black calibration box must be prepared before you start.
- The bottom side of the rubber that is shaped like a square should be located on the square guide line.



- 7 Put the 3D fingerprint dummy rubber on the sensor area (below the square side) and push the rubber by applying force with your finger. Tap **Next** and keep pushing the rubber with your finger until you see the success message.

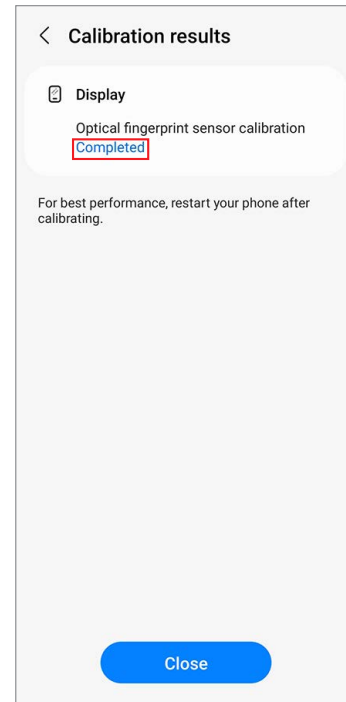


- The 3D fingerprint dummy rubber must be prepared before you start.
- The bottom side of the rubber that is shaped like a square should be located on the square guide line. (Do not place the pattern horizontally on the 3D fingerprint dummy rubber.)



8 Check the result of the calibration.

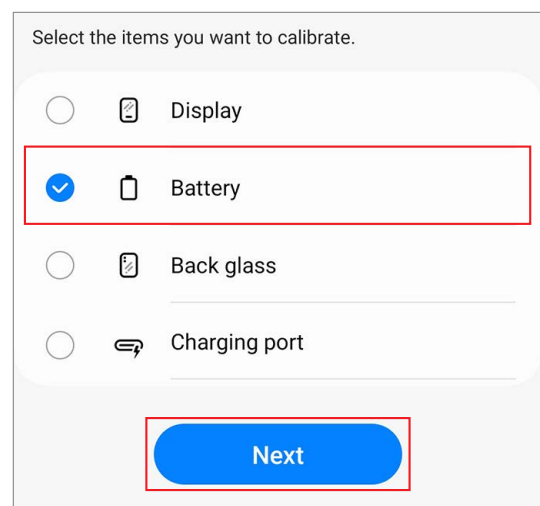
 **Completed** appears only when the calibration is successfully completed. If **Completed** does not appear, try calibrating again.



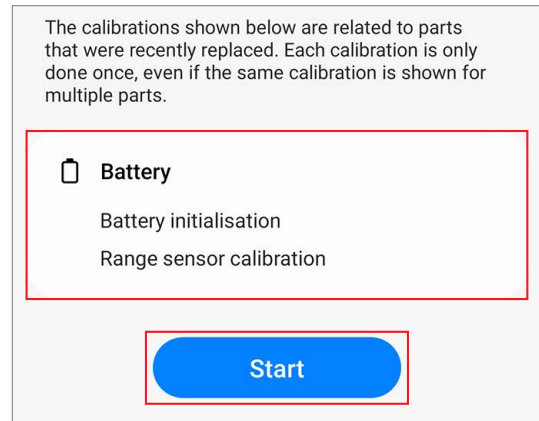
Resetting the Battery Cycle Count

The battery cycle count should be reset whenever your device's battery is replaced.

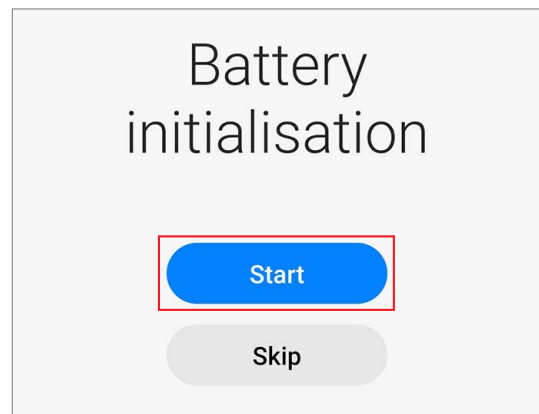
- 1 Launch the **Self Repair Assistant** app.
- 2 Select the part that you have replaced.
Tap **Battery** → **Next**.



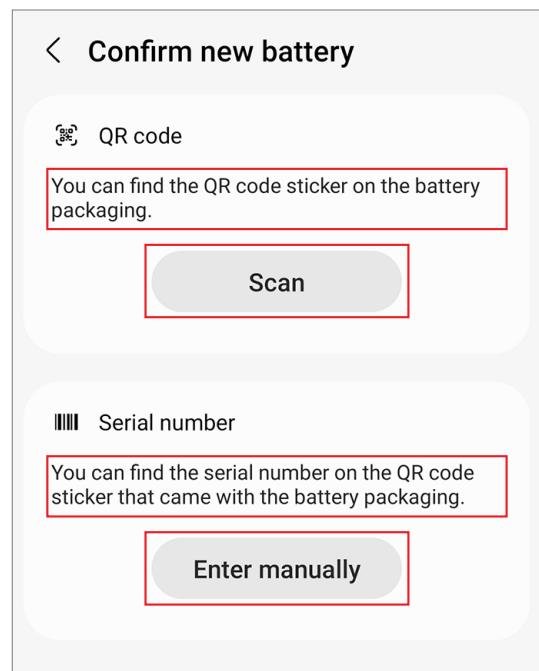
3 Check part and calibration and tap **Start**.



4 Tap **Start**.



5 Read the on-screen instructions and tap **Scan** to scan the QR code, or tap **Enter manually** to enter the serial number manually.



- 6 Scan the QR code or enter the serial number that appears on the battery package.

The reset will begin.



This image is an example of the QR code. Make sure to scan the QR code on the battery package.



< Confirm new battery

Battery serial number

- 7 Check the calibration results.

< Calibration results

Battery

Battery initialisation
Completed

Range sensor calibration
Completed

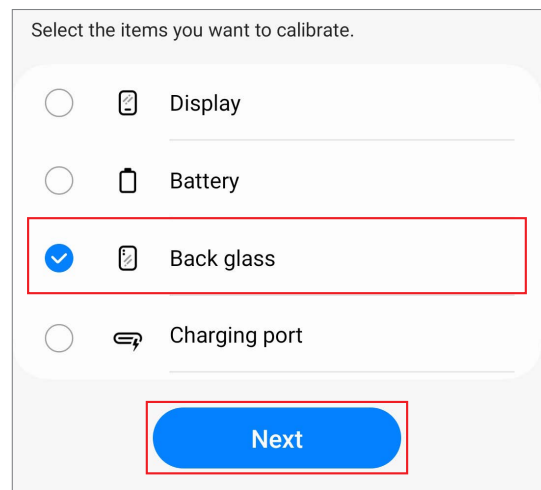
Range Sensor Calibration

When replacing screens, batteries, back glasses, or charging ports, range sensor calibration is required to ensure the range sensors of devices equipped with them are optimised.

Range sensor calibration is available through the **Self Repair Assistant** app.

 Some content may differ from your device depending on the region, service provider, model specifications, or device's software.

- 1 Launch the **Self Repair Assistant** app.
- 2 Select the part that you have replaced and tap **Next**.

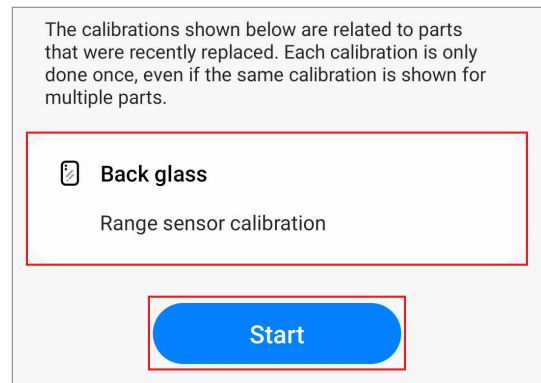


Select the items you want to calibrate.

- ☐  Display
- ☐  Battery
- ☒  Back glass
- ☐  Charging port

Next

- 3 Check part and calibration and tap **Start**.

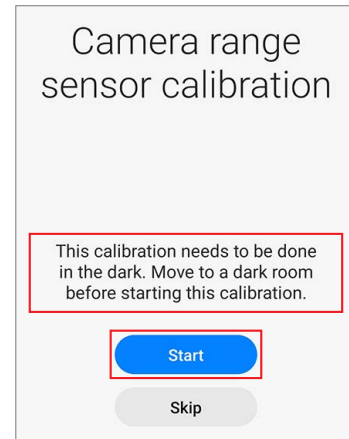


The calibrations shown below are related to parts that were recently replaced. Each calibration is only done once, even if the same calibration is shown for multiple parts.

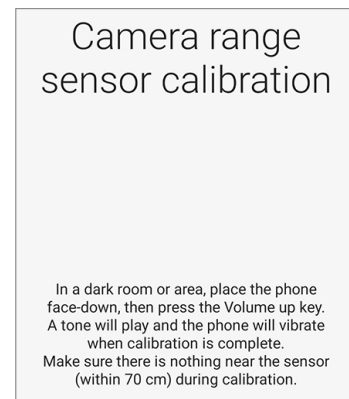
-  **Back glass**
Range sensor calibration

Start

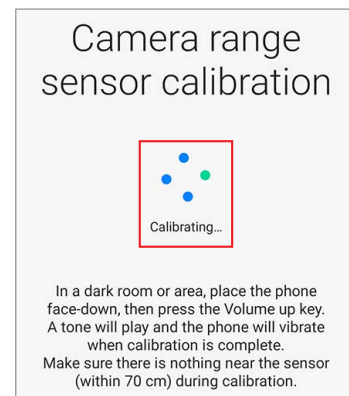
- 4 Read the on-screen instructions and tap **Start**.



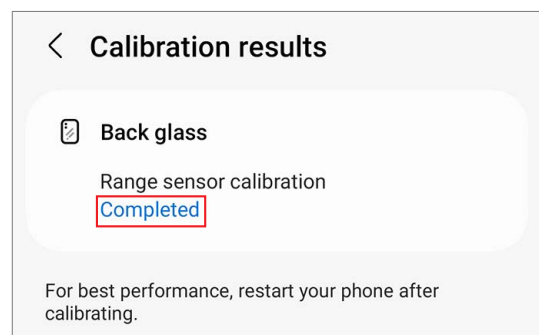
- 5 In a dark room or area, place the phone face-down, then press the Volume button.



- 6 The calibration will perform automatically. A tone will play when calibration is complete.



- 7 Check the calibration result.



Touch Screen Panel Calibration

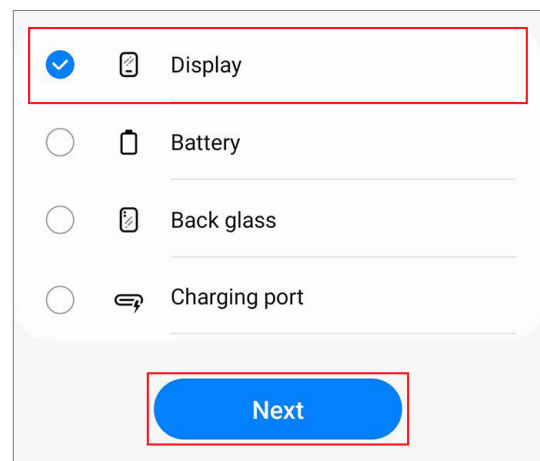
When replacing screens, touch screen panel calibration is required to ensure accurate touch input.

Touch screen panel calibration is available through the **Self Repair Assistant** app.

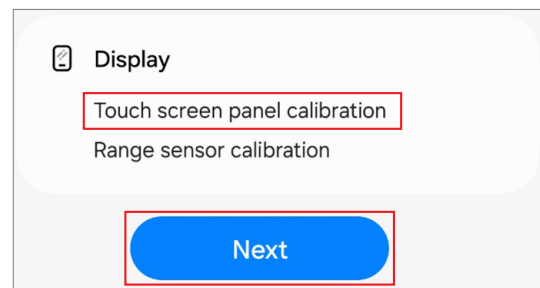


In the Fold models, touch screen panel calibration is performed for both the main and cover screens.

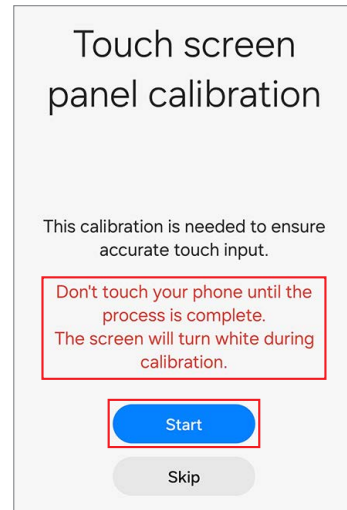
- 1 Launch the **Self Repair Assistant** app.
- 2 Select the part that you have replaced and tap **Next**.



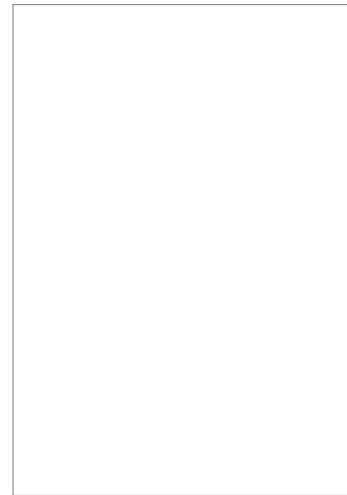
- 3 Check part and calibration and tap **Next**.



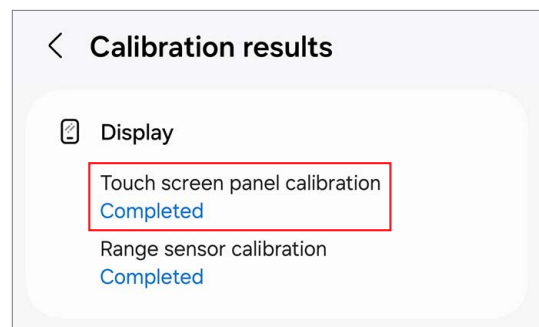
- 4 Read the on-screen instructions and tap **Start**.



- 5 The calibration will perform automatically and the screen will turn white during calibration.



- 6 Check the calibration result.

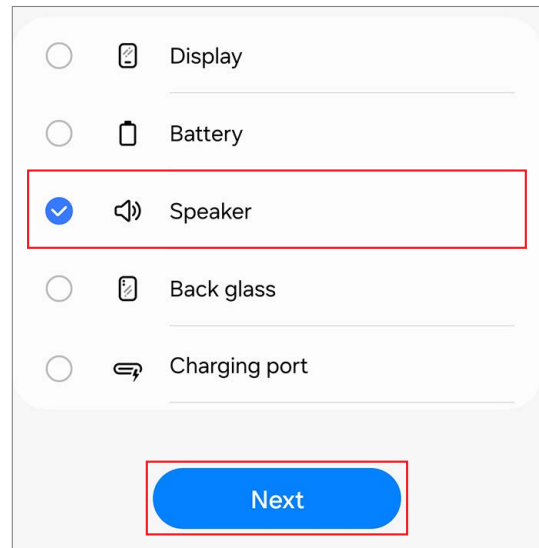


Speaker Calibration

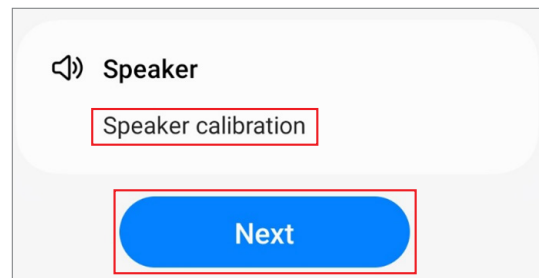
When replacing speakers, the speaker must be calibrated to guarantee optimised speaker performance for devices that have it.

Speaker calibration is available through the **Self Repair Assistant** app.

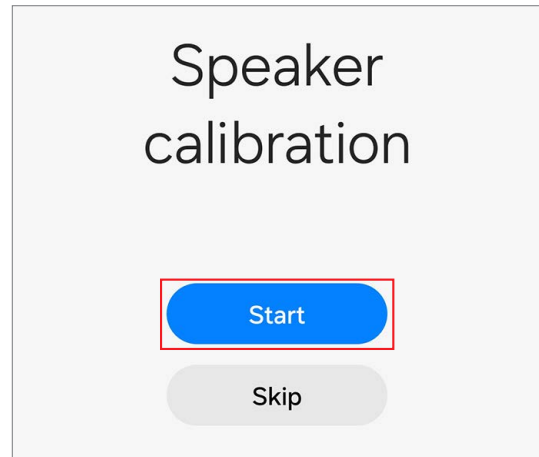
- 1 Launch the **Self Repair Assistant** app.
- 2 Select the part that you have replaced and tap **Next**.



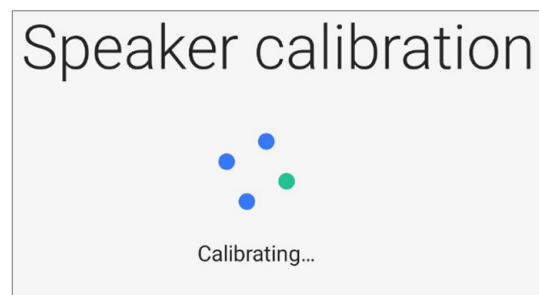
- 3 Check part and calibration and tap **Next**.



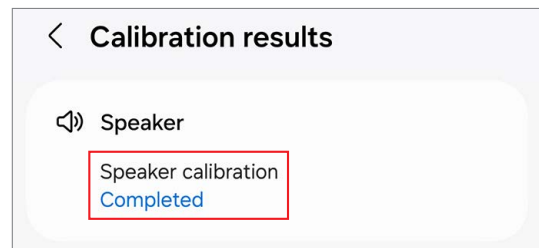
4 Tap **Start**.



5 The calibration will perform automatically.



6 Check the calibration result.



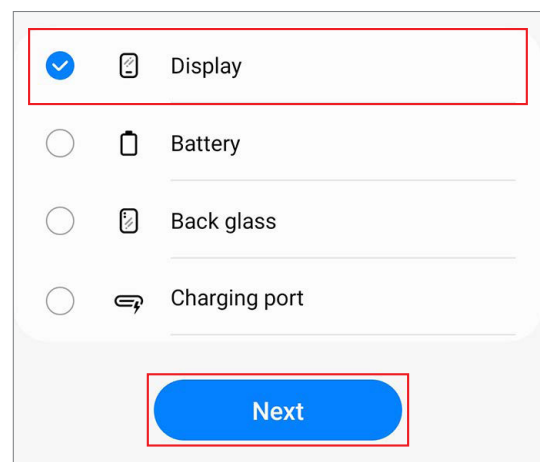
Under-display Camera Calibration (Fold Models Only)

Whenever the screen is replaced, the under-display camera must be calibrated to guarantee optimised under-display camera performance for devices that have it.

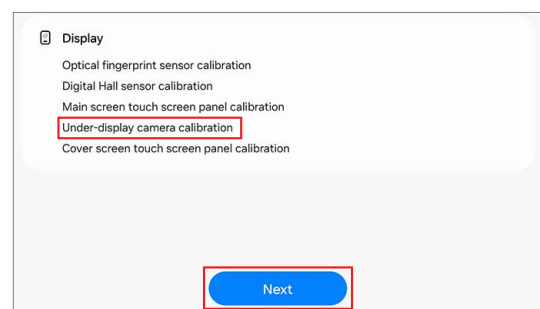
Under-display camera calibration is available through the **Self Repair Assistant** app.

 This feature may not be available depending on the model. The availability of this feature can be automatically checked in the Self Repair Assistant app, so please follow the guidance of the Self Repair Assistant app.

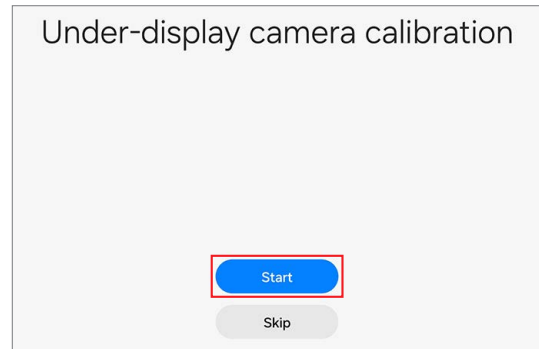
- 1 Launch the **Self Repair Assistant** app.
- 2 Select the part that you have replaced and tap **Next**.



- 3 Check part and calibration and tap **Next**.

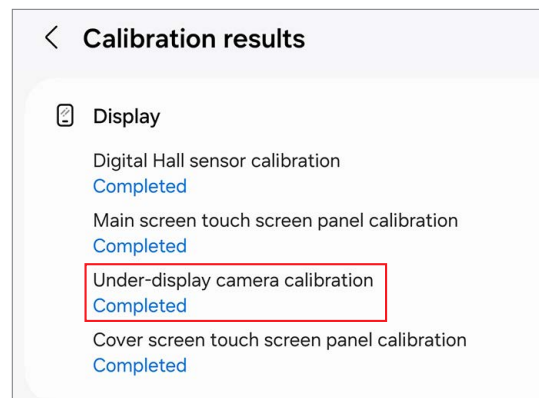


4 Tap **Start**.



5 The calibration will perform automatically.

6 Check the calibration result.



Digital Hall Sensor Calibration (Fold and Flip Models Only)

Whenever the screen is replaced, the digital hall sensor must be calibrated to guarantee optimised digital hall sensor performance for devices that have it.

Digital hall sensor calibration is available through the **Self Repair Assistant** app.

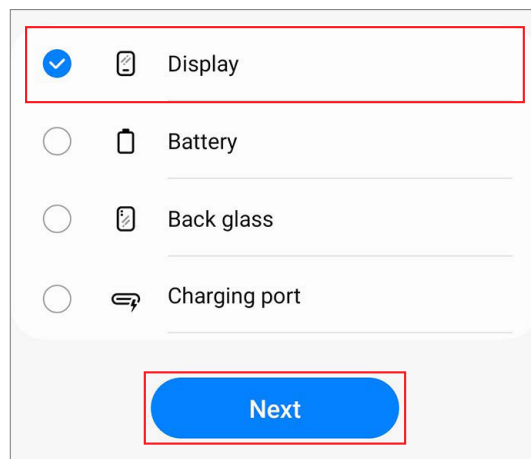


- This feature may not be available depending on the model. The availability of this feature can be automatically checked in the Self Repair Assistant app, so please follow the guidance of the Self Repair Assistant app.
- **For Fold models:** If the main screen does not turn on after being replaced (the main screen is off and the cover screen is on when the device is unfolded), follow the steps below to perform digital hall sensor calibration. The boot screen (the screen where the Samsung and carrier logos appear) will appear normally and then turn off, so it is not a hardware failure.
 - 1) Fold the device and launch the **Self Repair Assistant** app on the cover screen.
 - 2) Move to the digital hall sensor calibration screen, unfold the device, and then press the Volume Up button or the Volume Down button.
 - 3) You will hear a vibration, and the calibration will be performed automatically.

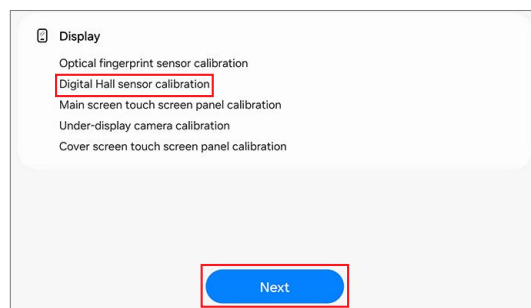
When calibration is complete, the main screen will turn on normally.

- **For Flip models:** If the main screen does not turn on after being replaced (the main screen is off and the cover screen is on when the device is unfolded), follow the steps below to force the main screen to turn on and perform digital hall sensor calibration. The boot screen (the screen where the Samsung and carrier logos appear) will appear normally and then turn off, so it is not a hardware failure.
 - 1) Connect the USB cable to the device, and connect the other end of the USB cable to the USB power adapter or your computer.
 - 2) While pressing and holding the Side button, press the Volume Up button once and the Volume Down button twice.
 - 3) When the main screen turns on, perform digital hall sensor calibration.

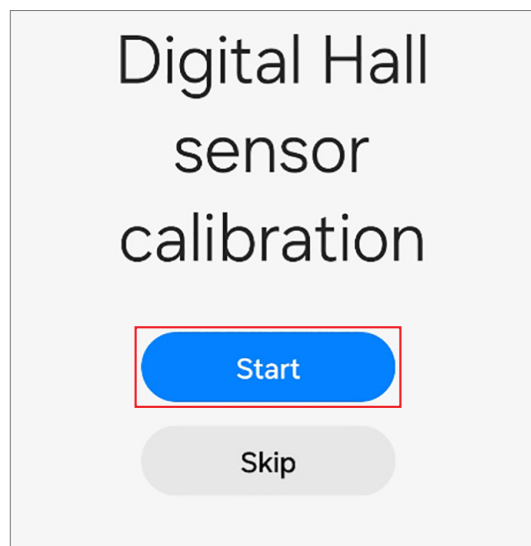
- 1 Launch the **Self Repair Assistant** app.
- 2 Select the part that you have replaced and tap **Next**.



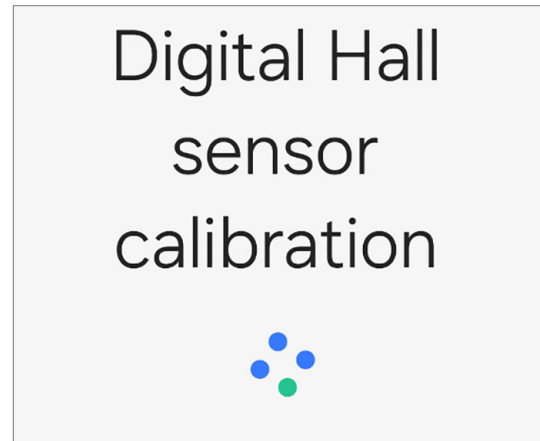
- 3 Check part and calibration and tap **Next**.



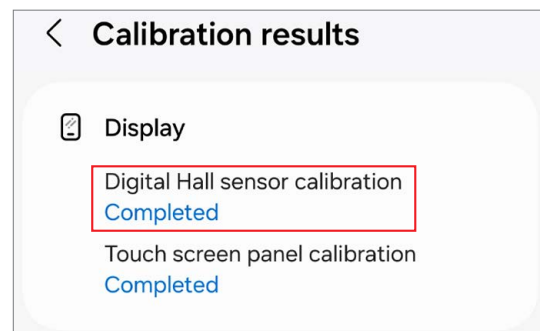
- 4 Tap **Start**.



5 The calibration will perform automatically.



6 Check the calibration result.

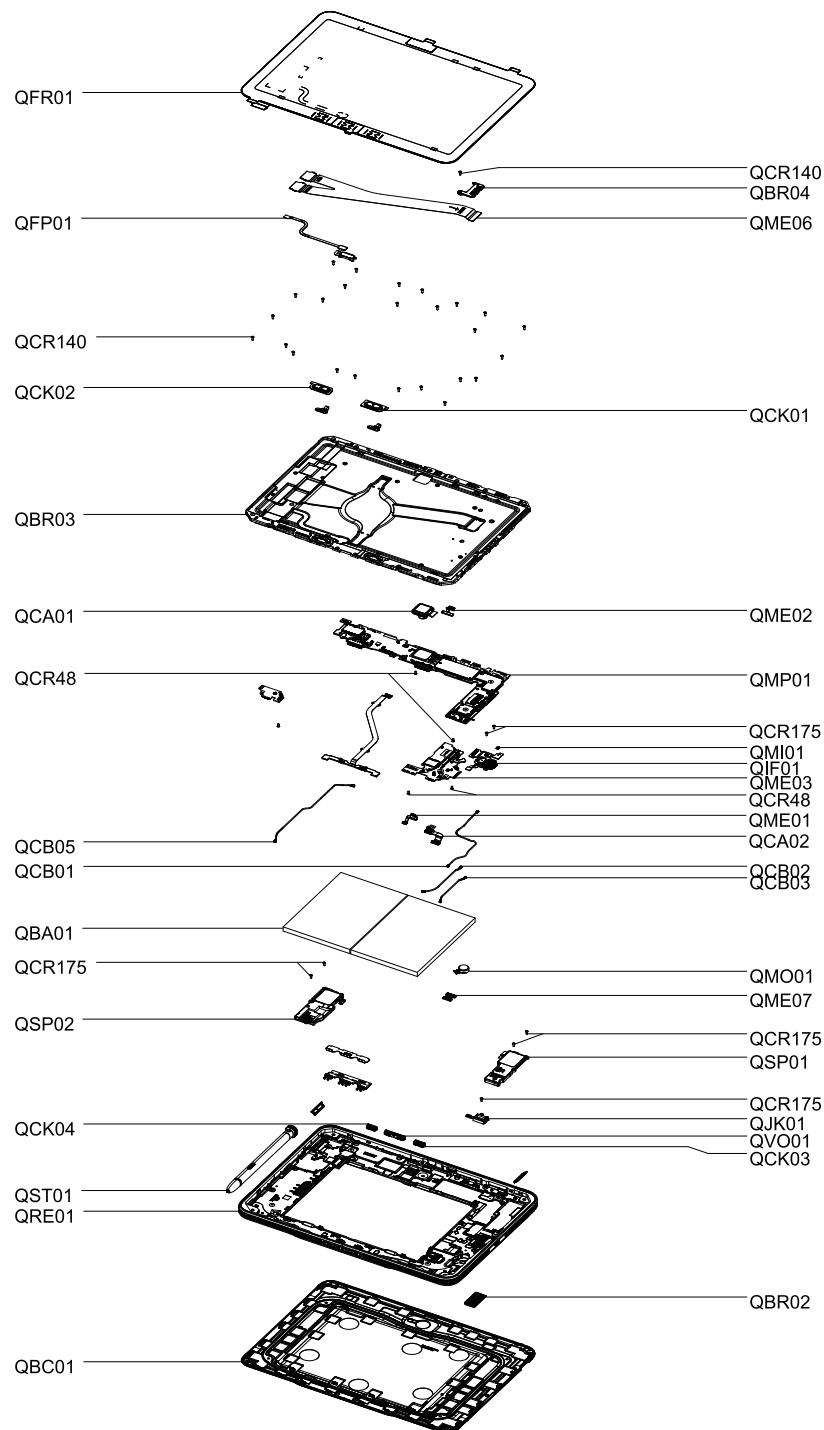


Exploded View and Parts List



The product's composition may vary depending on the country, region, or carrier.

Exploded View



Parts List

Number	Name
QCR48	Screw 1460
QCR140	Screw 3162
QCB01	Antenna Flex Cable (Blue)
QME07	Flex Cable (Main Board to Sub PBA)
QME06	Main Flex Cable (Screen to Charging Port)
QBR04	Screen Flex Cable Connector Cover
QBA01	Battery
QST01	S pen
QME01	Proximity/light sensor
QCA02	Front Camera
QCA01	Rear Camera
QCB05	Antenna Flex Cable (Black)
QCB03	Antenna Flex Cable (Red)
QCB02	Antenna Flex Cable (Grey)
QME02	Top Microphone
QCK02	Recents Button
QCK01	Back Button
QCR175	Screw 3248
QMO01	Vibrator Motor
QSP02	Speaker L
QSP01	Speaker R
QMI01	Microphone
QRE01	Device Frame
QJK01	Headphone Jack

Number	Name
QV001	Volume Button
QCK04	Side Button
QCK03	Active Button
QBR02	Charging Port Connector
QBC01	Back Cover
QME03	Sub PBA
QFR01	Screen
QFP01	Home Button (Fingerprint Recognition Sensor)
QBR03	Bracket
QIF01	Charging Port
QMP01	Main Board (PBA)

Disassembly and Assembly

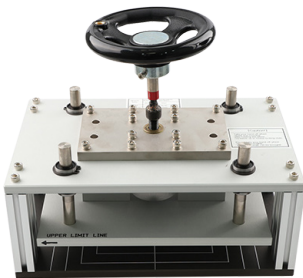
Tools for Disassembly and Assembly

When repairing devices, you absolutely must wear protective equipment for your safety.

-  Availability of rental services for toolkits with a complete set of tools for self repair service may vary depending on the country and is currently available only in limited countries.

Tool & Part Code	Image	Description
Safety Goggles		Prevents accidents during repair (protective equipment)
Safety Gloves (ESD safe, cut-resistant)		Prevents accidents during repair (protective equipment)
Safety Mask		Prevents accidents during repair (protective equipment)
Anti-static Wrist Strap		Prevents electrostatic damage (recommended)

Tool & Part Code	Image	Description
ESD Safe Mat		Prevents electrostatic damage (recommended)
Ejection Pin		Pin for ejecting the SIM card tray
Cross-head Screwdriver		Tool for screwing in cross-head screws
Opening Pick		Tool for disassembling the screen and other parts
Opening Tool		Tool for disassembling the connector and other parts
Suction Cup (L)		Tool for disassembling the screen and other parts  When removing the screen of Galaxy Tab Active5 Pro, you need a large size suction cup.

Tool & Part Code	Image	Description
ESD Safe Tweezers and Round Tip Metal Tweezers		Tool for handling connectors, cables, and other parts - Because it is possible to damage parts or components when using sharp tweezers, use tweezers made with plastic or rubber material. - When removing a vibrator motor, it is required to use the round tip metal tweezers.
Heating Bag		Tool for disassembling the screen and other parts When removing the screen of Galaxy Tab Active5 Pro, you need the 2 heating bags.
Press Fixture		Tool for pressing the screen or battery This tool is available to use by the rental of tool kit that contains a complete set of the tools for self repair service.

Tool & Part Code	Image	Description
Bottom Press Tray		Tool to place the device when pressing the screen using the press fixture  This tool is available to use by the rental of tool kit that contains a complete set of the tools for self repair service.
Top Press Tray		Tool to cover the bottom press tray when pressing the screen using the press fixture  This tool is available to use by the rental of tool kit that contains a complete set of the tools for self repair service.
Battery Rubber Pad		Tool to cover the battery when pressing the battery using the press fixture  This tool is available to use by the rental of tool kit that contains a complete set of the tools for self repair service.
Calibration Rubber for Optical Fingerprint Sensor		Tool to calibrate the optical fingerprint sensor after replacing the screen  This tool is available to use by the rental of tool kit that contains a complete set of the tools for self repair service.

Fasteners (Adhesives and Materials) for Assembly

The fasteners composition may vary depending on the repair parts, country, region, or carrier.

Item	Quantity	Image	Description
Screw 3162	26		Screws for the bracket (25 ea) Screw for the connector cover (1 ea)
Screw 1460	4		Screws for the main board (2 ea) Screws for the sub PBA (2 ea)
Screw 3248	7		Screws for the charging port (2 ea) Screw for the headphone jack (1 ea) Screws for the speaker (4 ea)
Screen Adhesive Tape	1		Double sided adhesive tape for attaching the sides of the screen to the frame  This tape is only available when the screen itself is repaired.

Item	Quantity	Image	Description
Home Button Connector Adhesive Tape	1		Adhesive tape attached on the Home button flex cable connector
Home Button Adhesive Tape	1		Double sided adhesive tape for attaching the Home button to the screen
Screen Connector Adhesive Tape	1		Adhesive tape attached on the screen flex cable connector

Disassembly and Reassembly for replacement



- The product's composition may vary depending on the country, region, or carrier.
- Repairable parts may vary depending on the country or region.

Before disassembling:

- Unplug and turn off device before disassembling.
- If you have an S Pen purchased separately, remove the S Pen.
- When removing the screen of Galaxy Tab Active5 Pro, you need the 2 heating bags and a large size suction cup.
- Wear an anti-static wrist strap and connect it to the grounded ESD safe mat.

Before reassembling:

- Remove the adhesive tape residues perfectly.
- Prepare all existing screws of this device and adhesive tapes.
- Wear an anti-static wrist strap and connect it to the grounded ESD safe mat.
- Leaving screws inside the device may damage internal components, such as the battery. When assembling, be extra careful not to leave any unassembled screws inside the device.

For all cases of broken glass:

1 Wear safety goggles and cut-resistant gloves.

2 To prevent injuries and scattering caused by broken glass, attach the tape on the broken glass.



If your device's glass breaks, be careful not to injure your hands or other body parts on debris.

3 Press the tape with strong force so that it is strongly attached to the broken glass.



Wait until the adhesive between the tape and the glass is strengthened.

4 Follow the disassembly steps in this guide.

Back Cover

Disassembly

Using your fingers, lift up on the separator groove of the back cover and remove it carefully.

- ⚠ Be careful not to damage your fingernails when you remove the back cover.
- ⚠ Do not bend or twist the back cover excessively. Doing so may damage the cover.



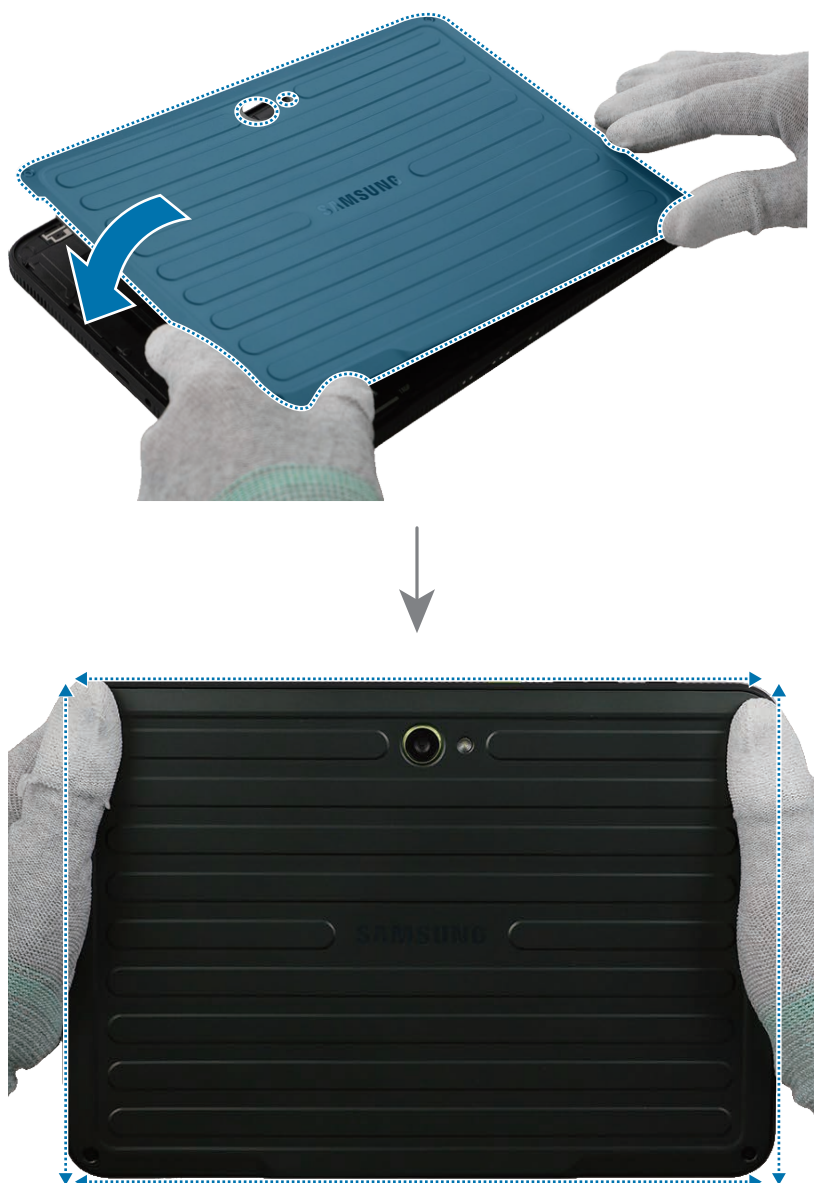


Reassembly

-  Leaving screws inside the device may damage internal components, such as the battery. When assembling, be extra careful not to leave any unassembled screws inside the device.

Attach the back cover and press down on the edges of the back cover. Check the gap between the back cover and device frame.

-  If you feel some gap, remove the back cover and attach it again. Some foreign materials can be inside the device.



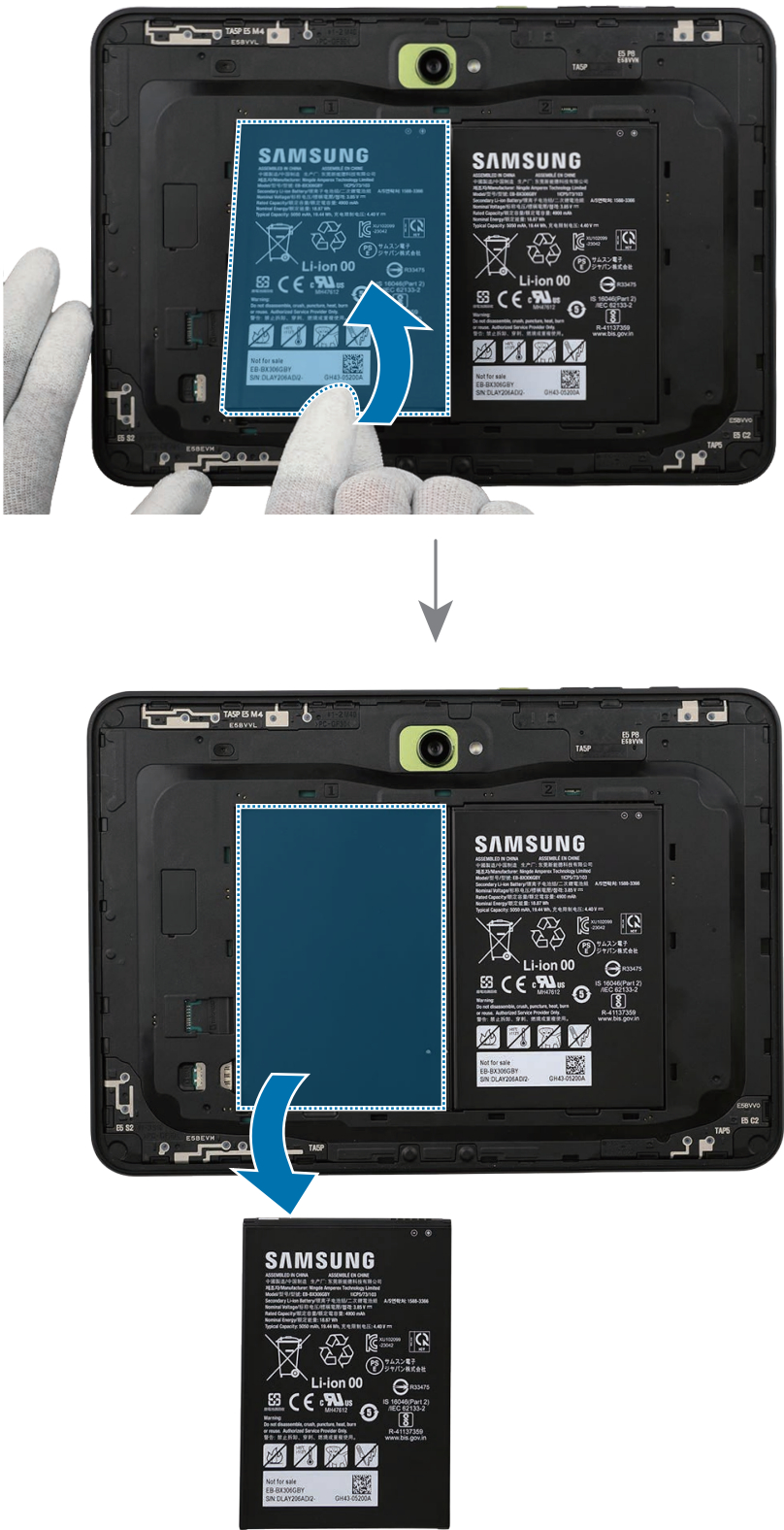
Battery

Disassembly



Remove the [Back Cover](#) first before you begin.

Using your fingers, lift up on the separator groove of the battery and remove it carefully one by one.





Reassembly

⚠ Leaving screws inside the device may damage internal components, such as the battery. When assembling, be extra careful not to leave any unassembled screws inside the device.

Insert the battery with the battery's gold-coloured contacts properly aligned with the device's contacts.





Reassemble the **Back Cover** to complete assembly.

Screen

Disassembly

- ❗ When removing the screen, ensure that the device is fixed on a flat surface.
- ✍
 - Remove the [Back Cover](#) and [Battery](#) first before you begin.
 - When removing the screen of Galaxy Tab Active5 Pro, you need the 2 heating bags and a large size suction cup.
- 1 Heat the 2 microwaveable heating bags for 70 seconds in a 700 W microwave and apply each one to the front and back of the top edge of the screen for 3 minutes.
- ⚠
 - It is possible for the device or battery to be damaged by heat.
 - Do not heat the device in a microwave. Doing so could cause an explosion.
 - If your device's glass breaks, the debris can cause injury to your hands or other body parts. For your safety, attach the tape before disassembling the device.
- ❗
 - Follow the heating bag's instructions for heating. The recommended time for heating the bag is 50 seconds in a 1000 W microwave and 70 seconds in a 700 W microwave. (Correct temperature for use: 55-65 °C.)
 - Be careful not to damage the device through excessive heat. (It is recommended to disassemble the device in an area with a temperature gauge.)



2 While maintaining the heating bag under the back of the device, place the suction cup (L) on the top edge centre of the screen, and lift it upwards carefully.

⚠ Be careful that the suction cup does not adhere to the area where the tape or sticker is attached.

📌 If you have trouble creating a gap, heat the microwaveable heating bag additionally, and apply it on the screen to further soften the adhesive. When reheating, it should be heated no longer than 30 seconds.



3 While pulling up the suction cup with strong, steady force to create the gap between the screen and the device frame, place the opening pick in the gap between the screen and the device frame and slide the opening pick back and forth along the edge to slice through the adhesive. Repeat this on the all sides and slice through the adhesive. Lift up the screen slowly and remove it gently from the device.

❗ As the internal circuitry can be damaged, do not insert the opening pick more than 1-2 mm.

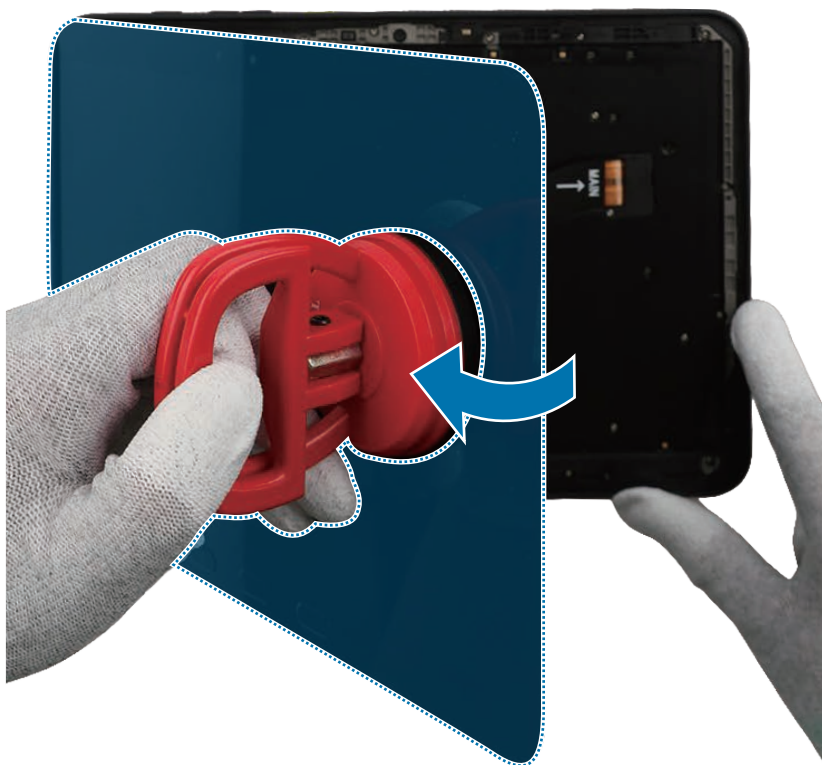
- ✍ Make sure to leave the opening pick inserted in the edges to prevent the adhesive from resealing. It is recommended that a larger area of the opening pick be inserted.
- If you have trouble creating a gap, heat the microwaveable heating bag additionally, and apply it on the screen to further soften the adhesive. When reheating, it should be heated no longer than 30 seconds.



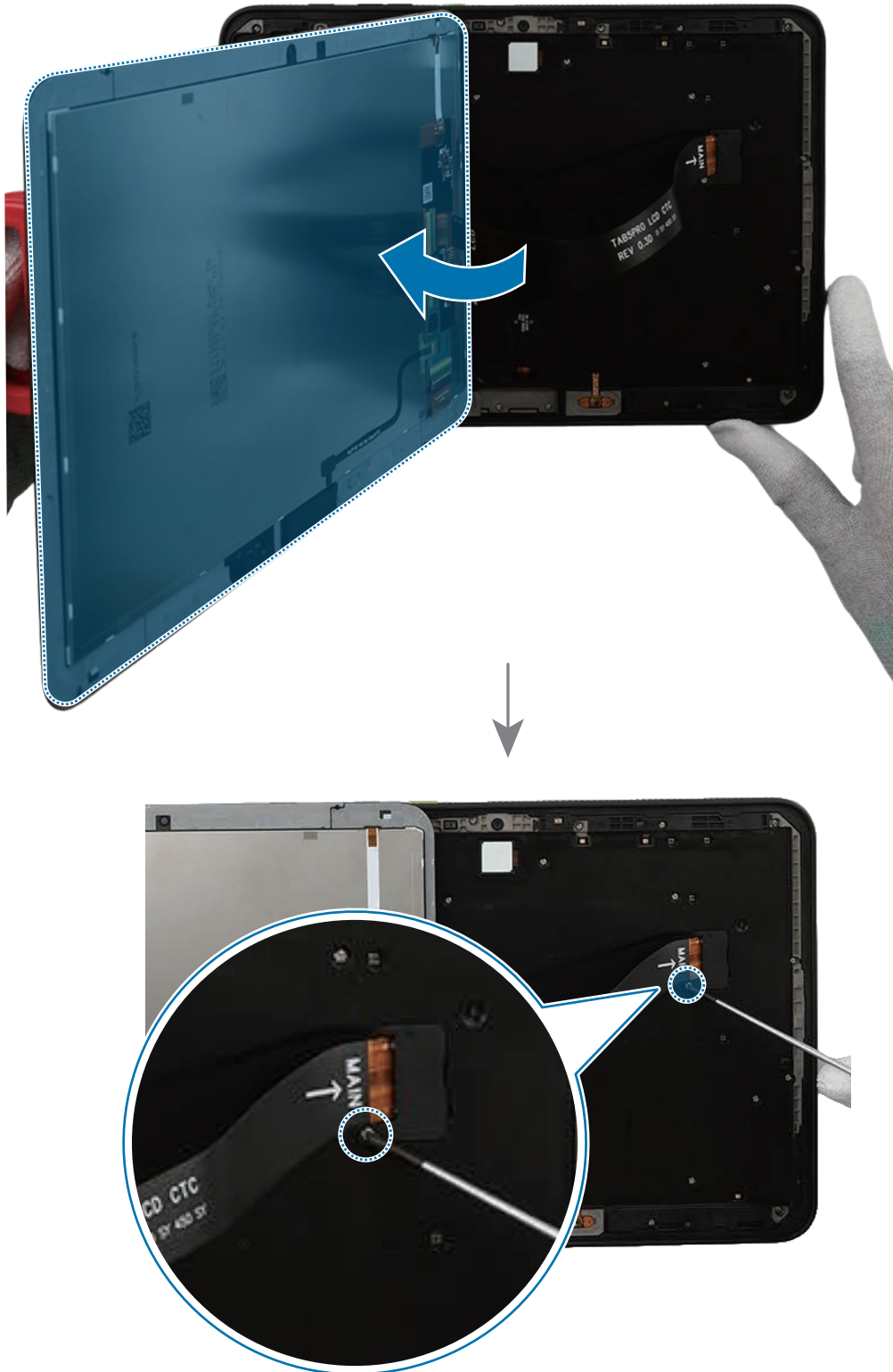




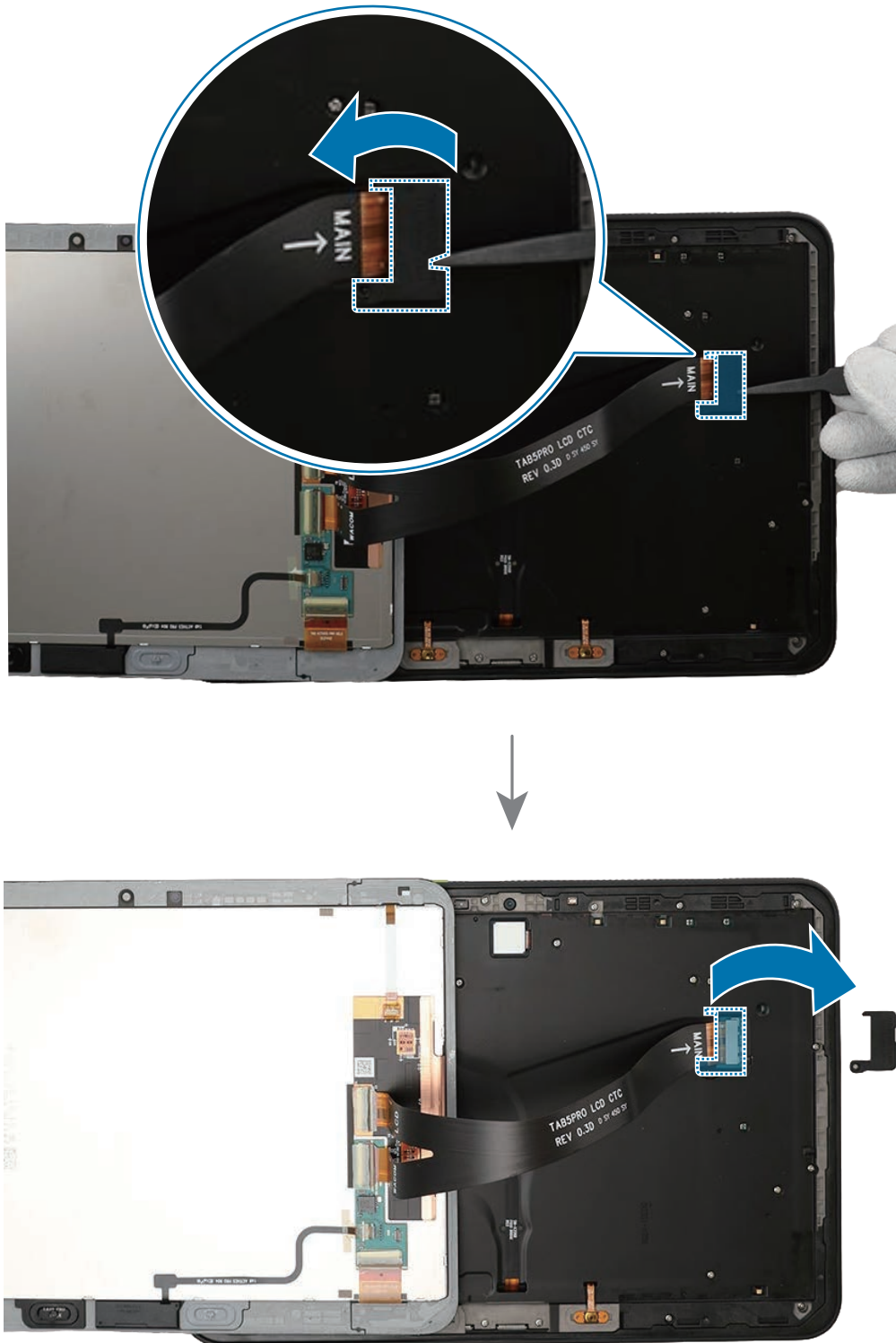




- 4 Before removing the screen completely, check the screw on the screen flex cable connector cover and remove it using a cross-head screwdriver.
- ❗ As the bracket can be damaged by excessive force, be careful not to damage the bracket.
- ✅ Check the number of screws that have been removed, and store them carefully to make sure that no unassembled screws are left inside the device during assembly.

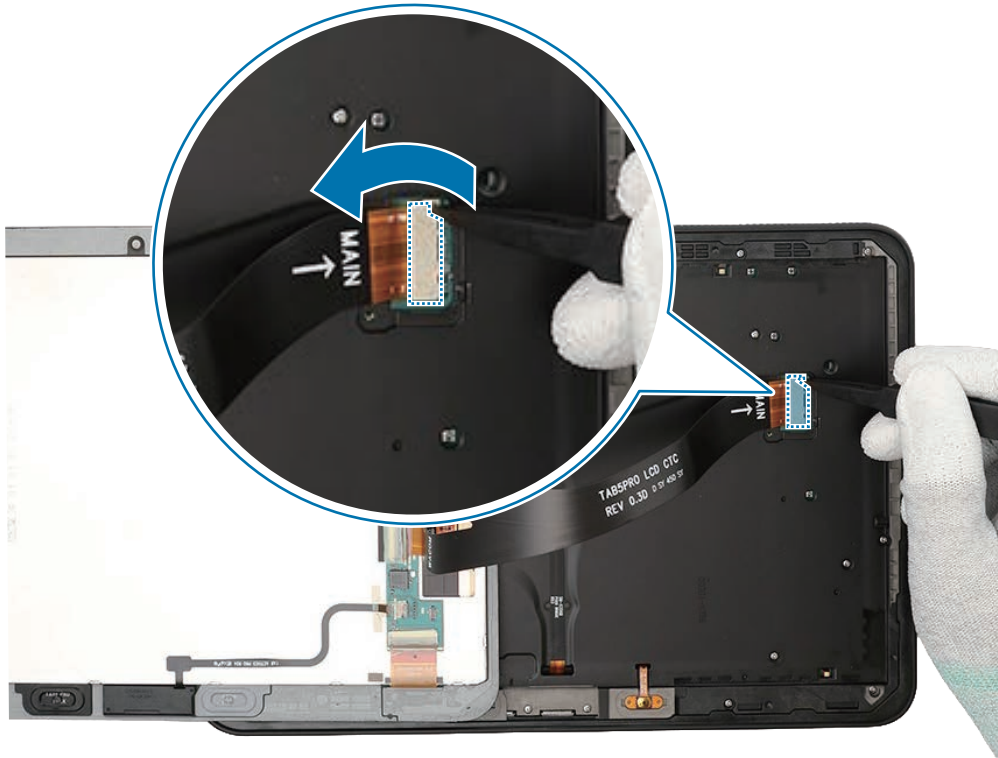


- 5 Using the tweezers, disassemble the screen flex cable connector cover.



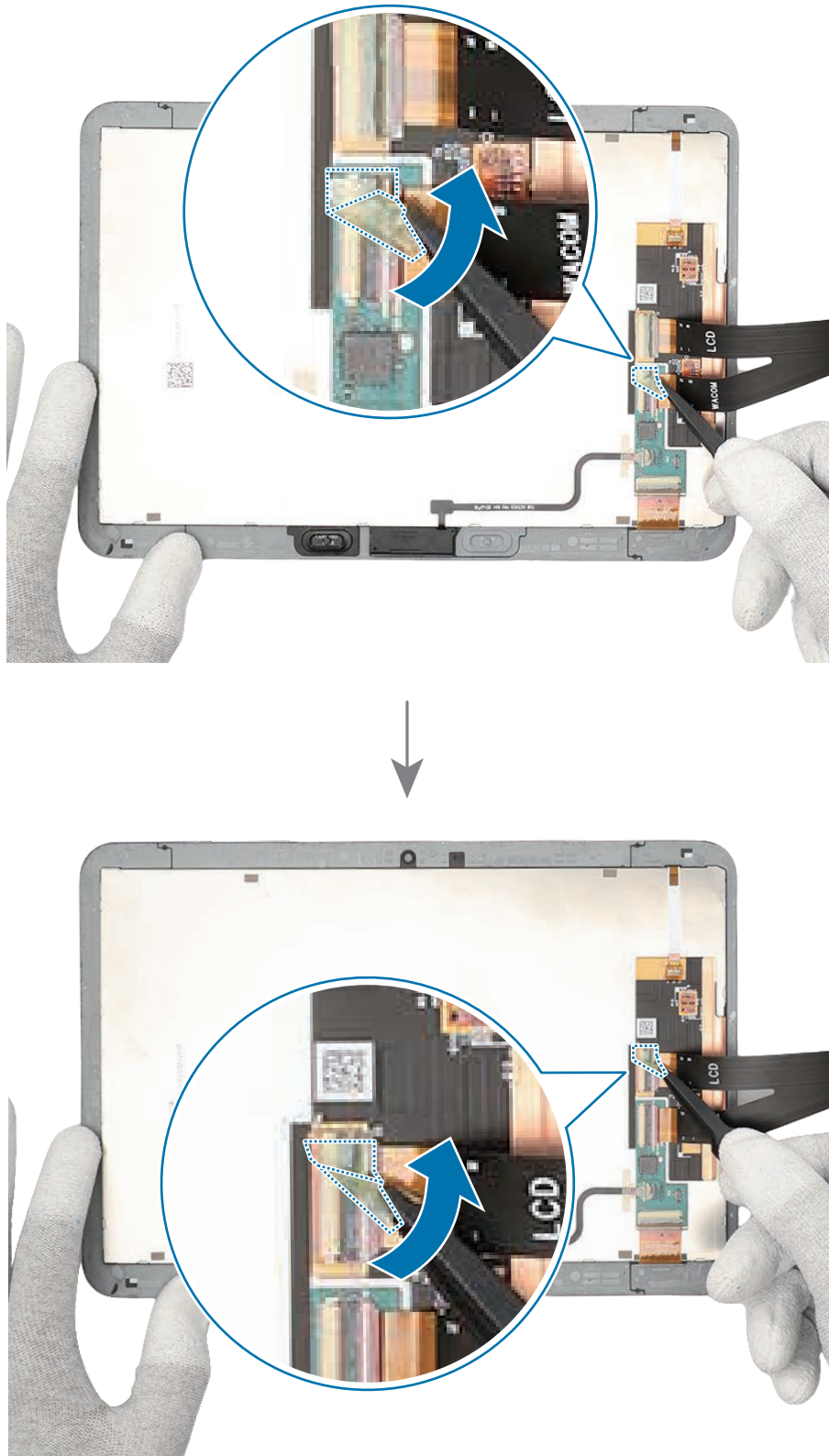
- 6 Disassemble the flex cable connector from the device module and remove the screen completely.

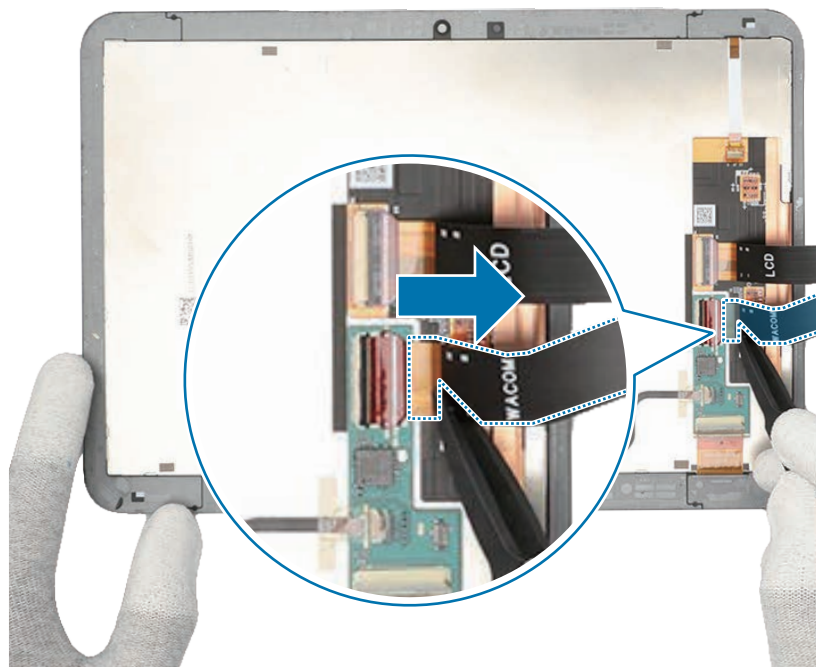
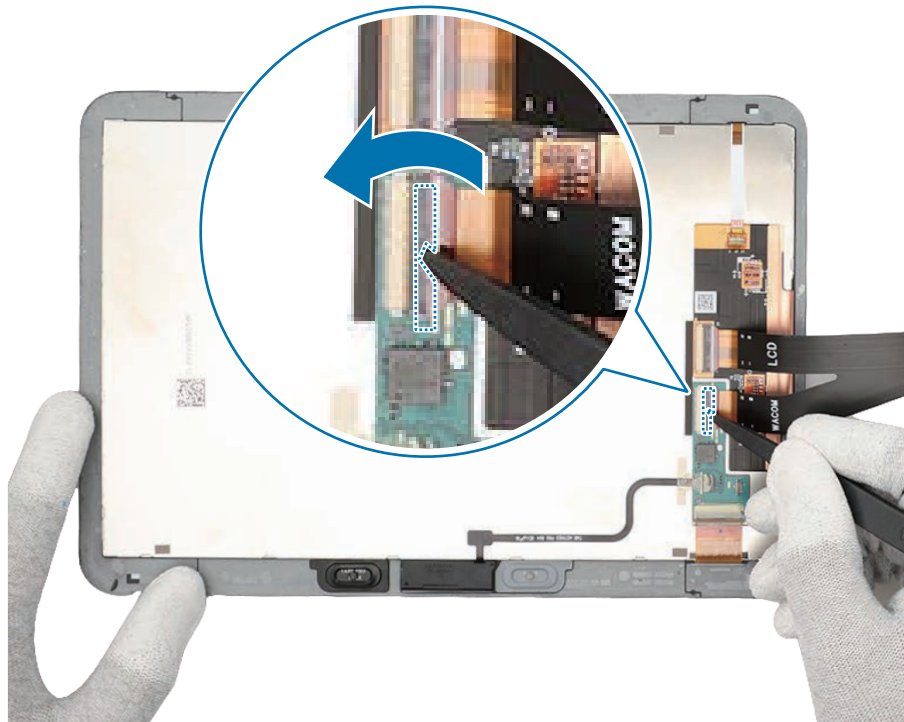
 Remove only up to the screen if you use the existing screen as it is.

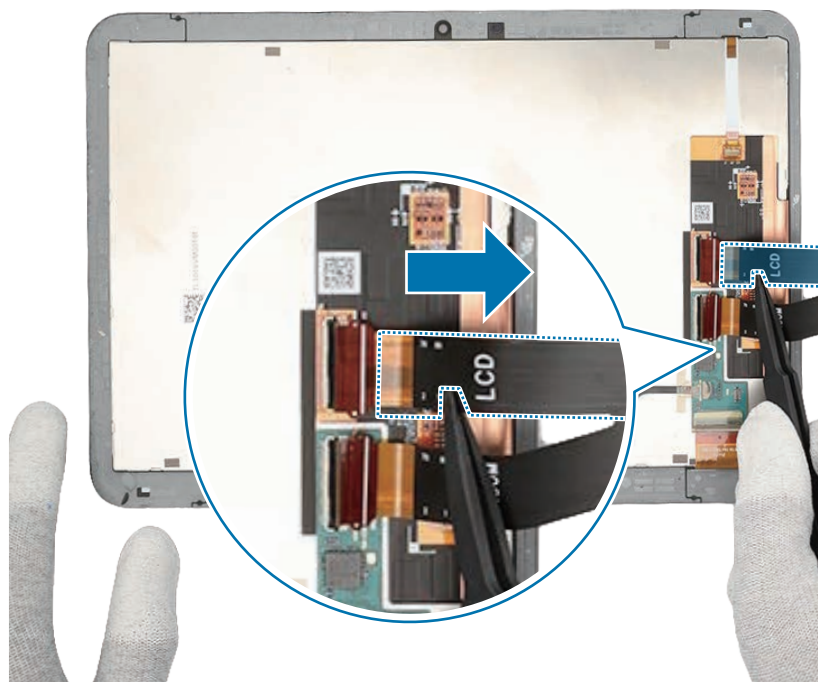
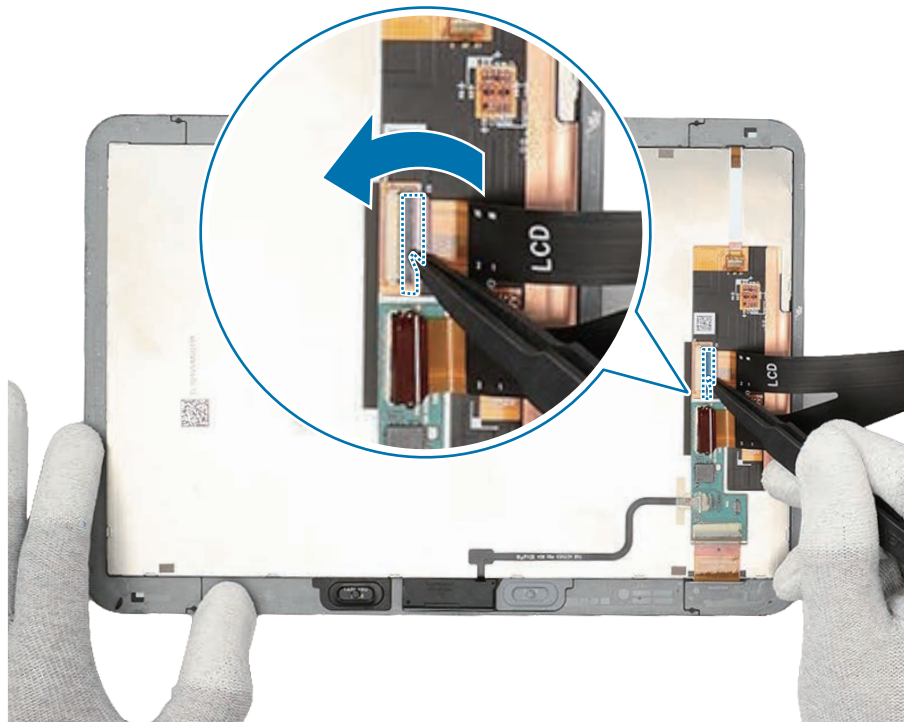




- 7 When replacing with a new screen, remove the tapes from the flex cable connectors and lift up the connector caps to separate the flex cable from the screen.



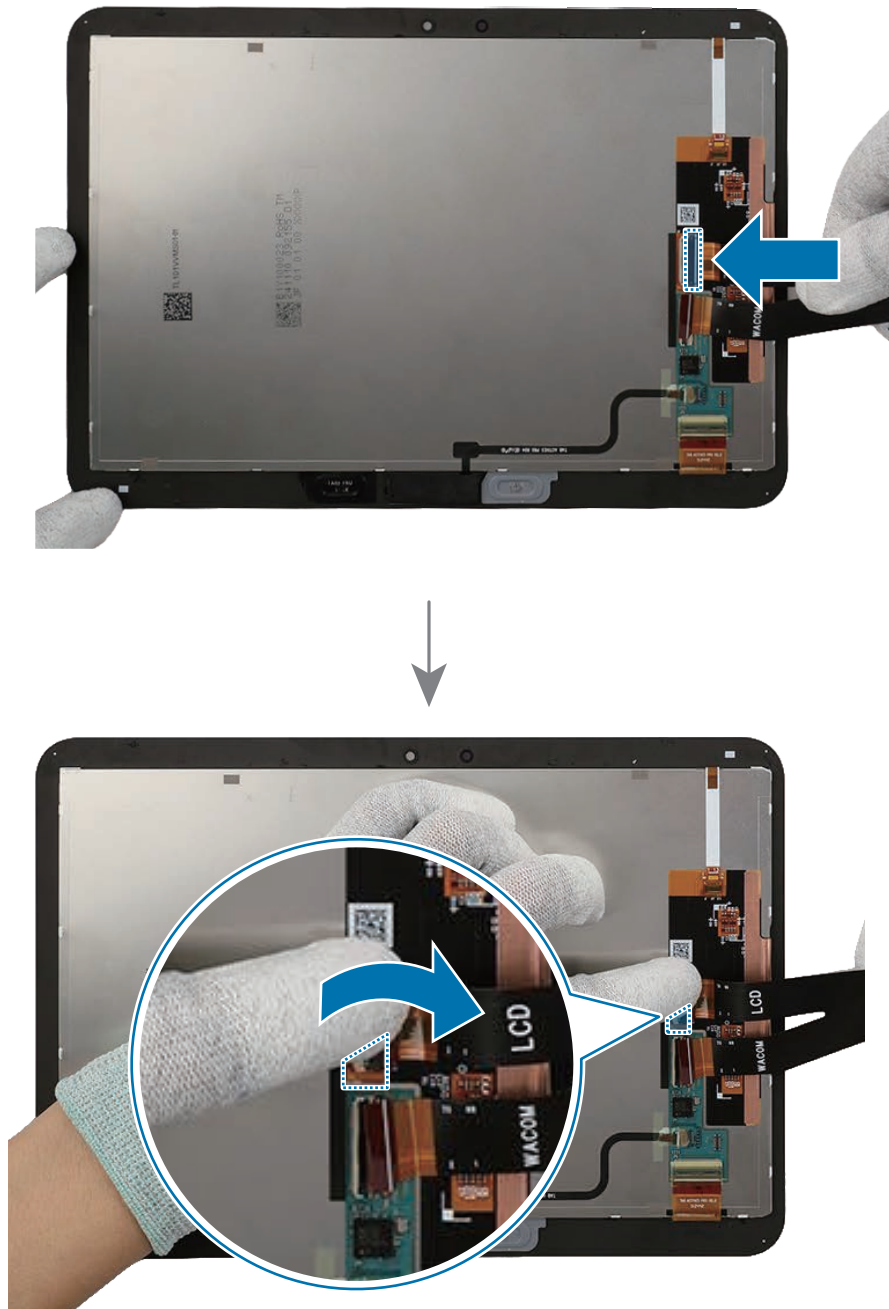




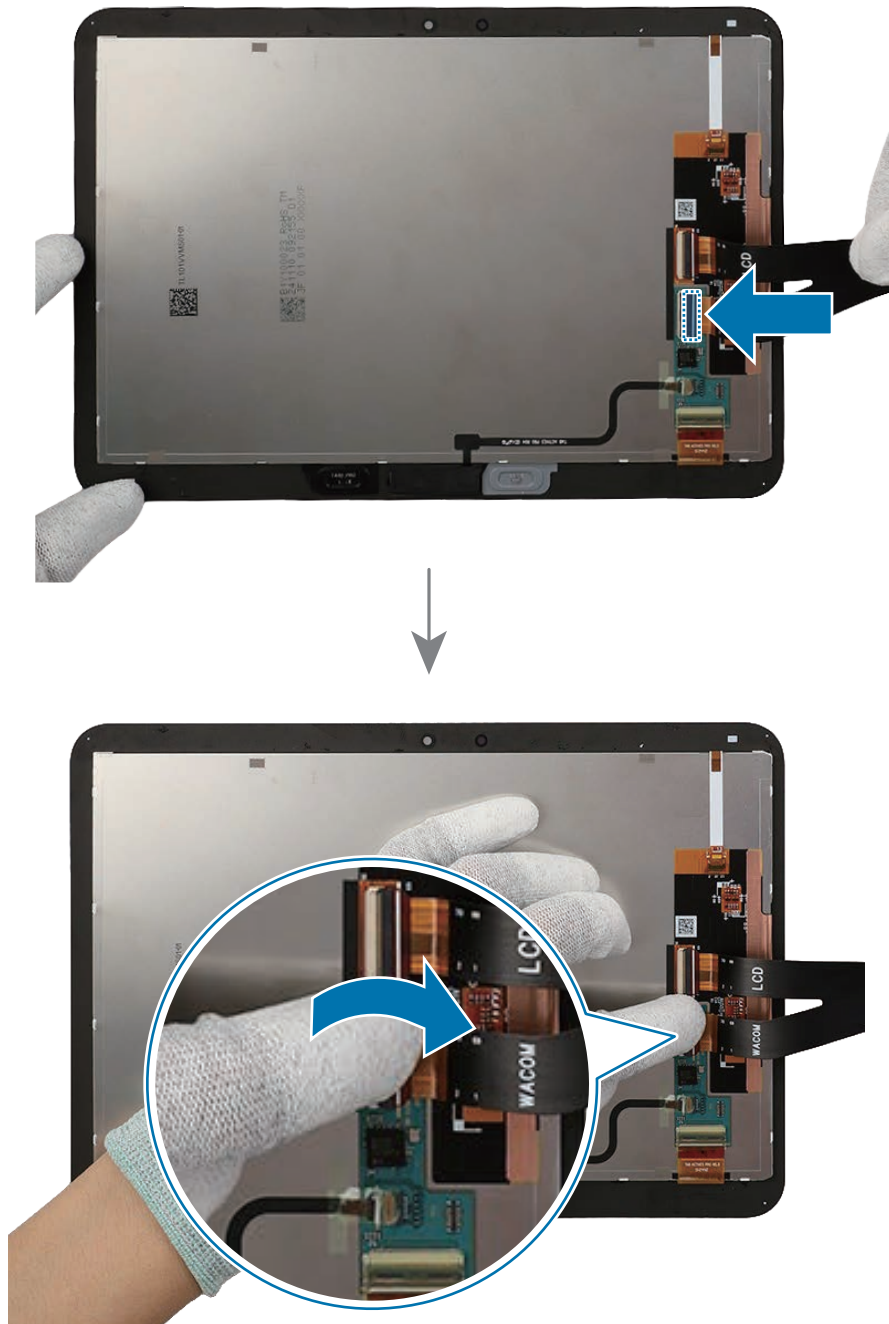


Reassembly

-  Leaving screws inside the device may damage internal components, such as the battery. When assembling, be extra careful not to leave any unassembled screws inside the device.
 -  Before attaching the screen, make absolutely sure that there are no screws, miscellaneous parts, or other foreign objects on the inside of the device (among the battery, PBA, etc.).
- 1 Connect the screen flex cable connector to the new screen. In a state where the screen flex cable connector is connected, close the connector cap.
 -  • Be careful not to damage the cables and connectors.
 - Be careful not to damage the screen.



- 2 Connect the remaining screen flex cable connector. In a state where the screen flex cable connector is connected, close the connector cap.

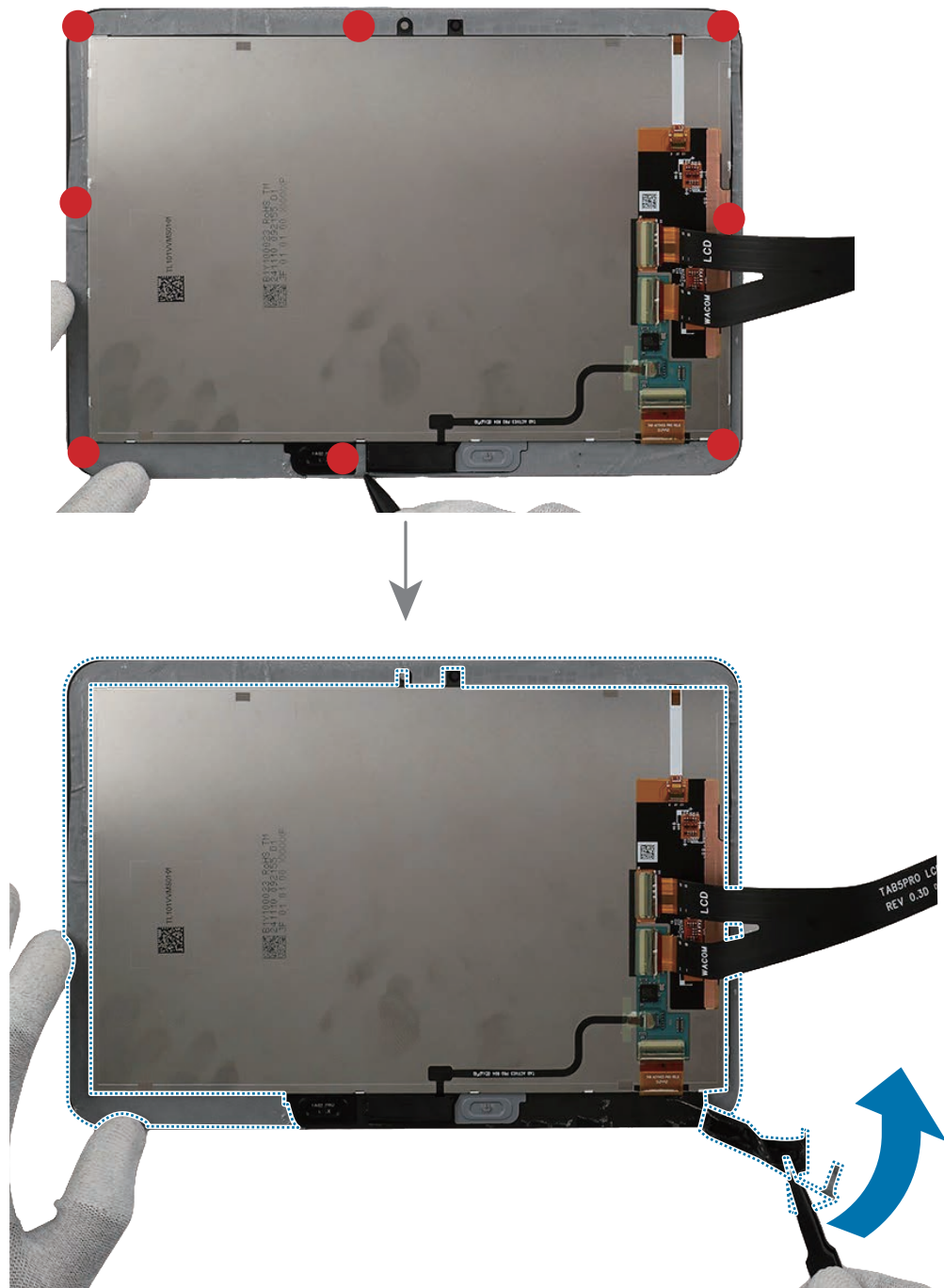


- 3 Using the tweezers, remove the release film of the new screen connector adhesive tape and attach it on the cable connector cap. Secure the connector cap with the adhesive tape, and then press it down softly.





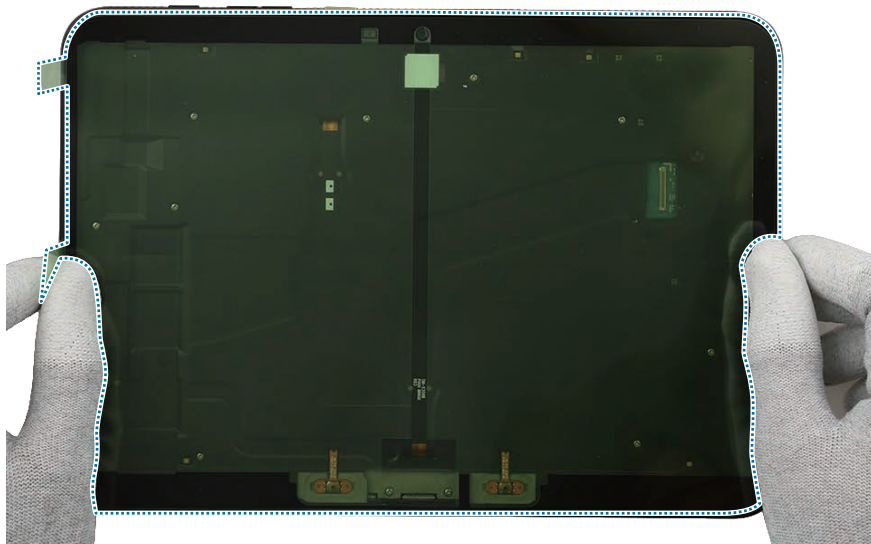
- 4 Remove all adhesive tapes on the separated screen (●) if you use the existing screen as it is.



- 5 Remove the inner vertical transparent film on the centre of the new screen adhesive tape.

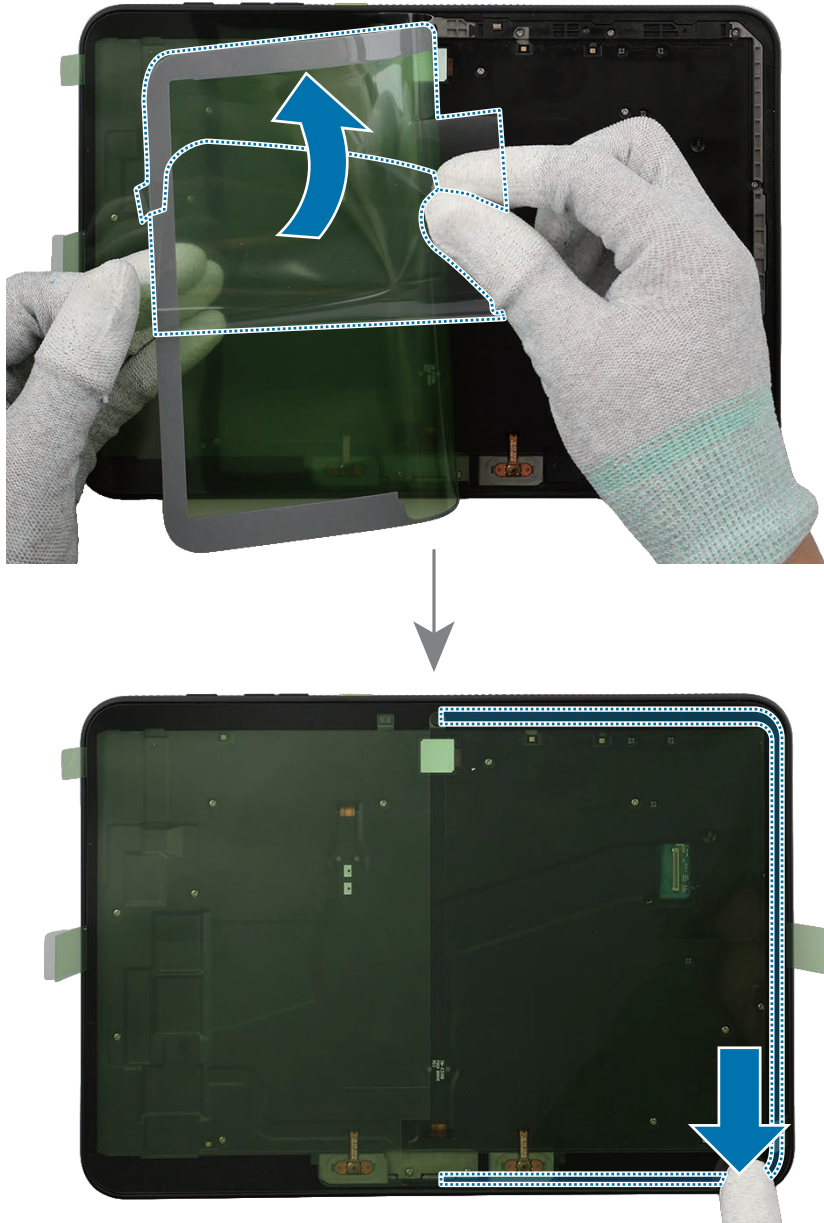


- 6 Align the adhesive tape on the device module and attach it. Gently press down the upper and lower middle adhesive tapes to ensure a secure fit.

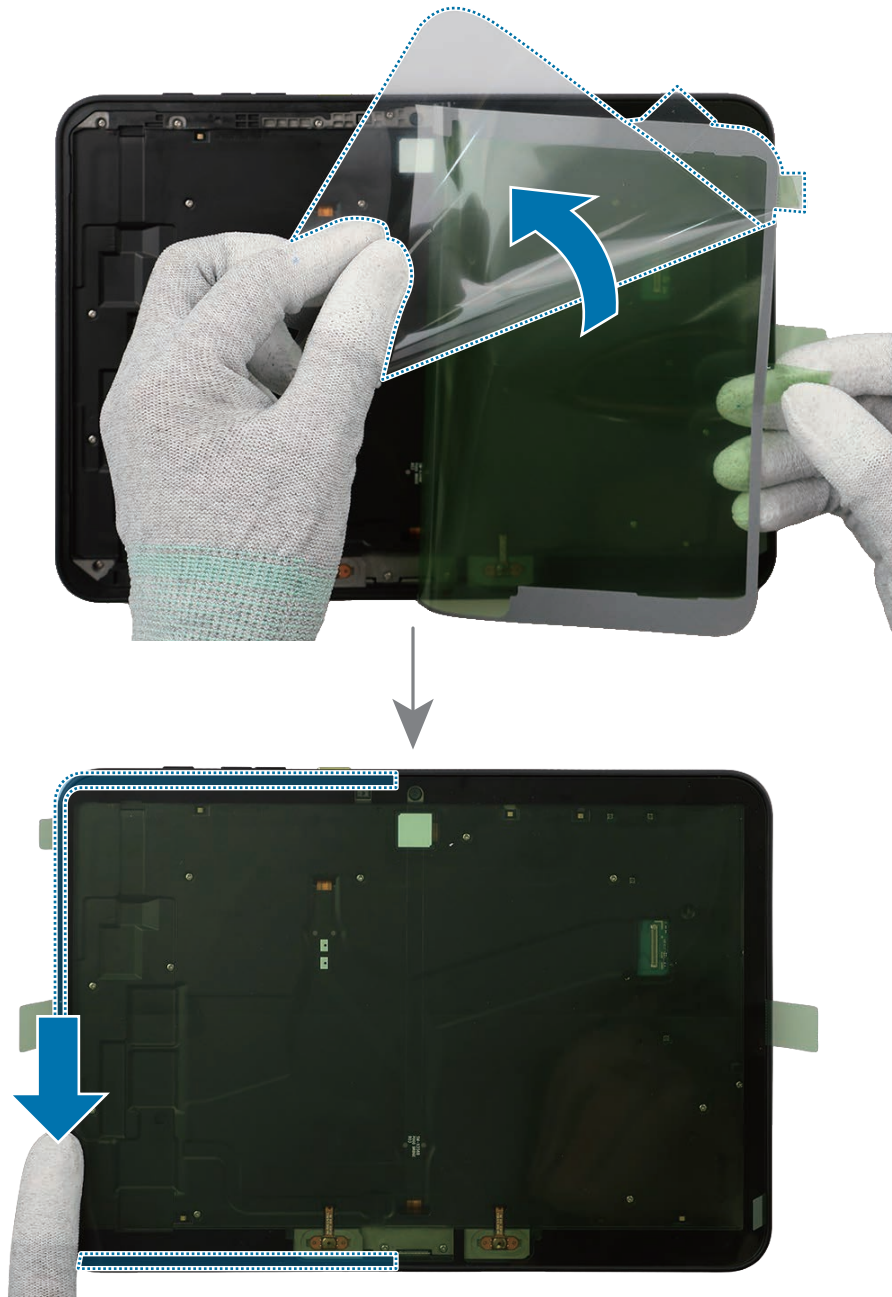




- 7 Lift the right side of the adhesive tape and remove the inner transparent film from the centre of the inside. Align the adhesive tape precisely on the right of the device module so that the exposed tape is exactly attached. Attach the tape and gently press down the edges of the tape with your fingers to ensure a secure fit.



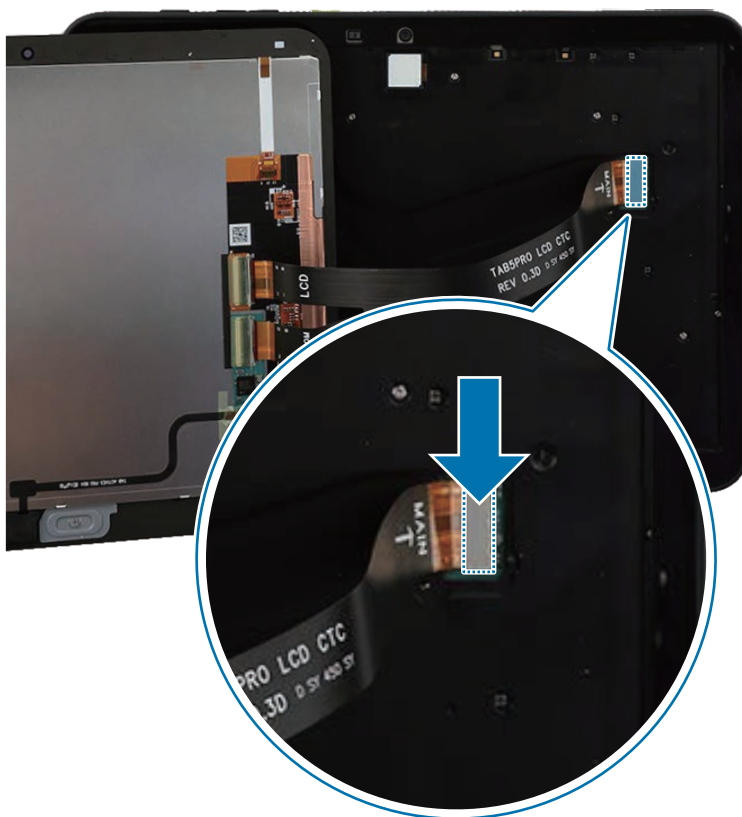
- 8 Lift the left side of the adhesive tape and remove the inner transparent film from the centre of the inside. Align the adhesive tape precisely on the left of the device module so that the exposed tape is exactly attached. Attach the tape and gently press down the edges of the tape with your fingers and the disassembly stick to ensure a secure fit.



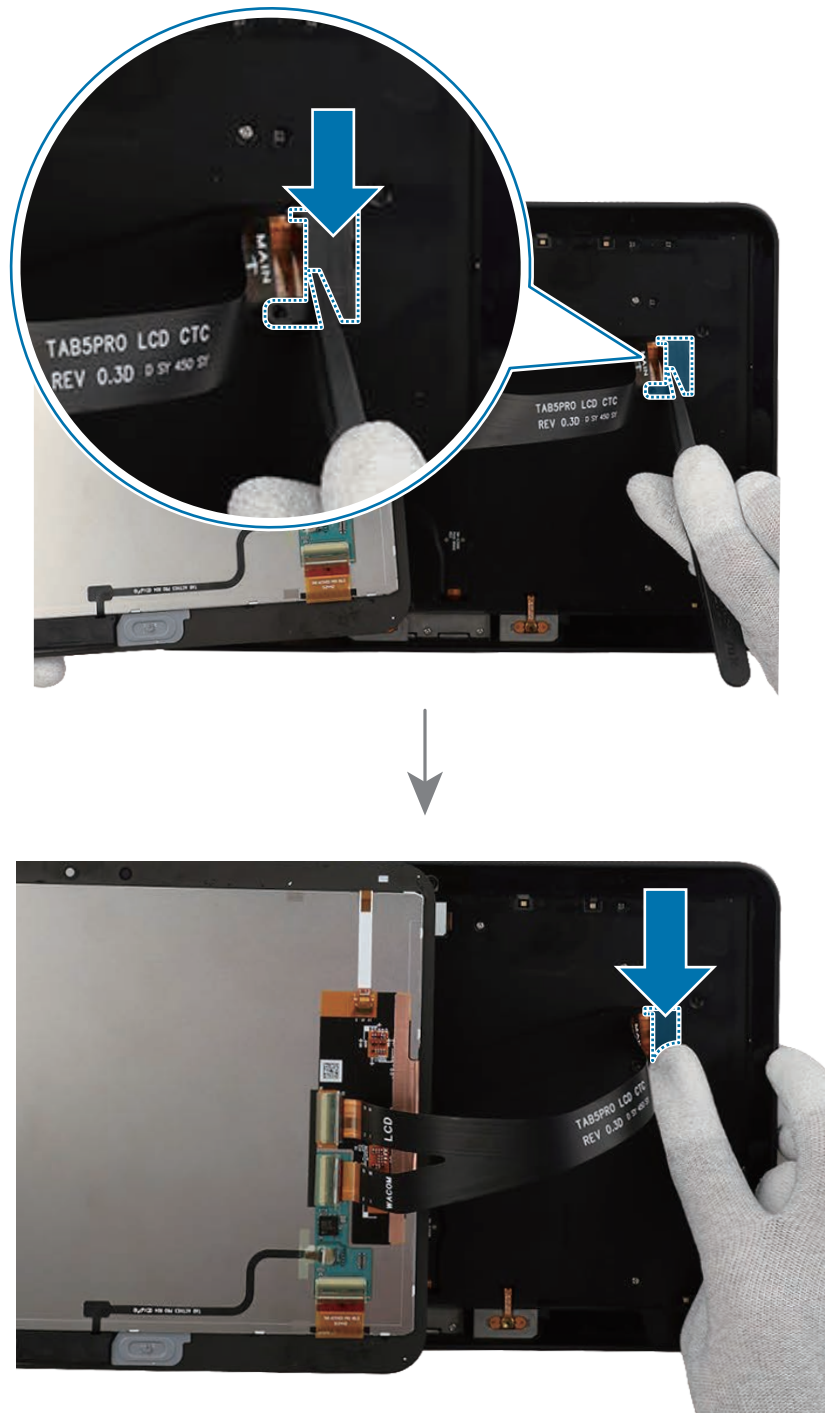
- 9 While holding the film handle of the tape, remove the transparent film from the adhesive tape completely.



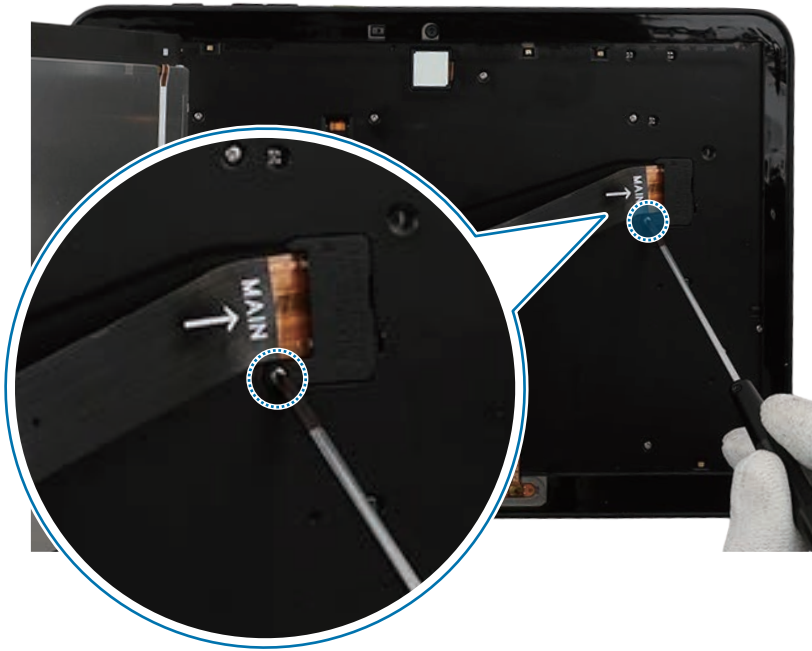
- 10 Leave the inside of the screen visible and connect the flex cable connector between the screen and device module.



- 11 Assemble the screen flex cable connector cover and press it down softly.

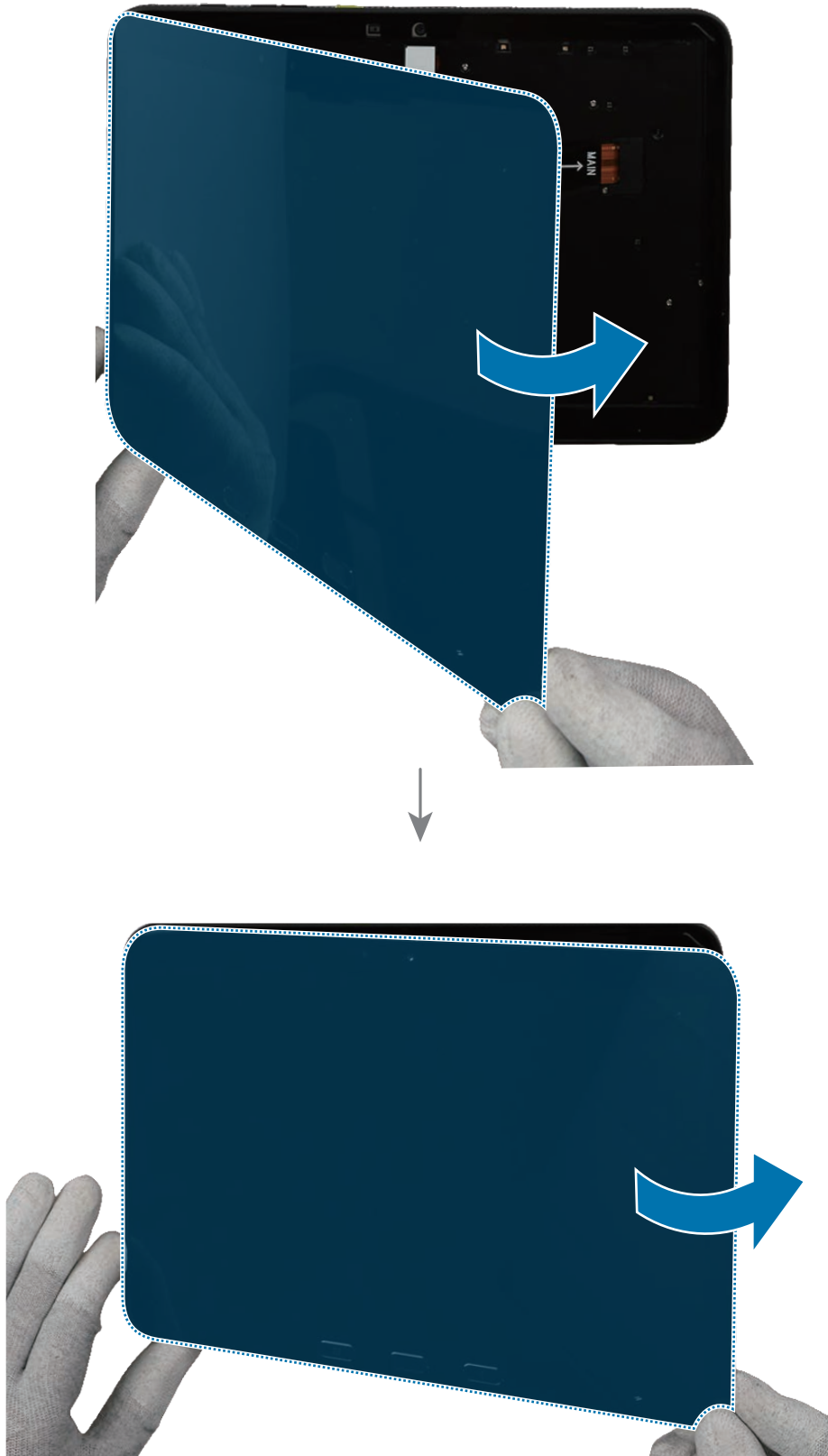


- 12 Check the screw 3162 (1 ea) on the screen flex cable connector cover and fasten it using a cross-head screwdriver.



13 Turn the screen slowly over back to its original state and attach it to the back cover module.

- ⚠ Be careful not to damage the cables and connectors.
- Be careful not to damage the screen.



- 14 Attach the screen and press down on the edges of the screen evenly in order to attach the screen perfectly. Check the gap between the screen and the back cover module.

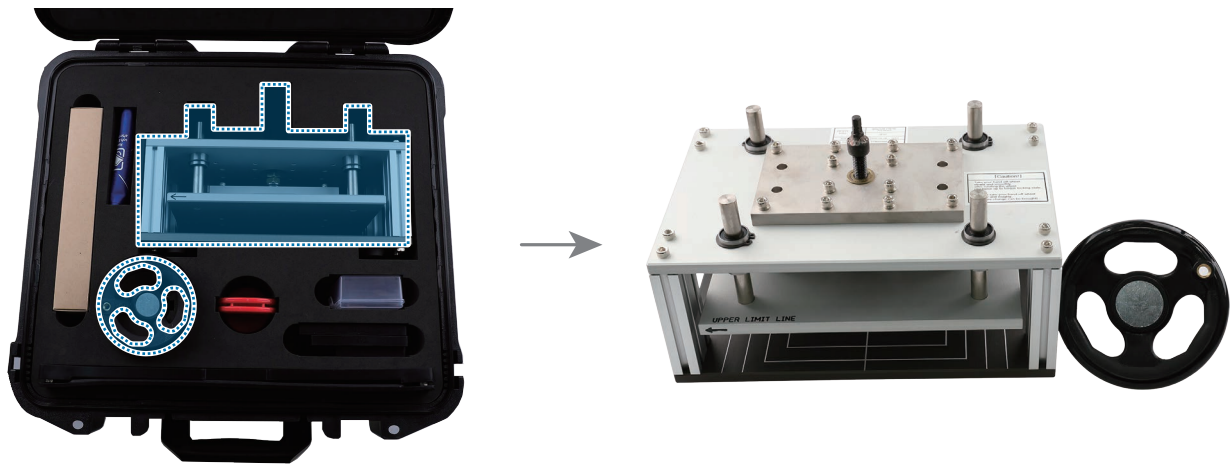
 If you feel some gap, remove the screen and attach it again. Some foreign materials can be inside the device.



15 Now you can press the fully assembled screen using the press fixture. Remove the press fixture body and its handle from the rental tool kit packaging.

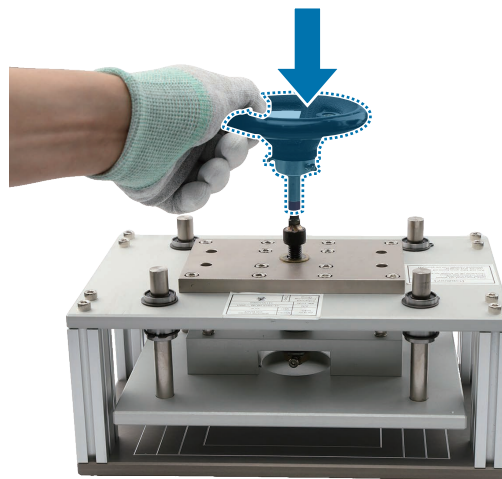
 Keep your hands out of the press fixture to avoid mechanical pinching and injury.

-  • This tool is only available to use by the rental of tool kit that contains a complete set of the tools for self repair service.
- Availability of rental service may vary depending on the country and is currently available only in limited countries.
- A rented tool kit packaging may have different packaging than shown.

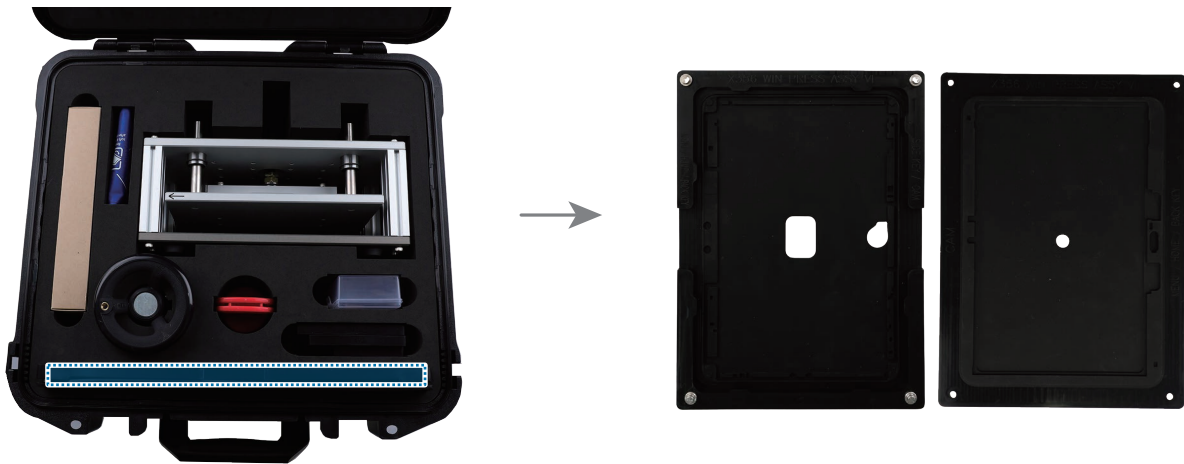


16 Carefully position the torque limit handle horizontally at the top of the press fixture.

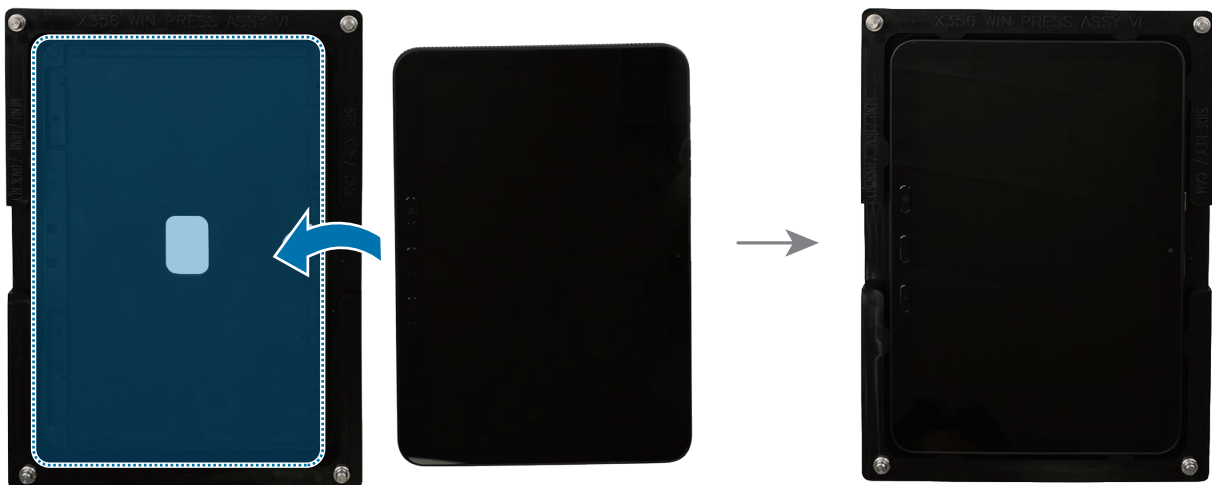
 Keep your hands out of the press fixture to avoid mechanical pinching and injury.



- 17 Remove the bottom press tray and top press tray from the rental tool kit packaging.



- 18 Place the screen facing up, and then place the device on the bottom press tray position.

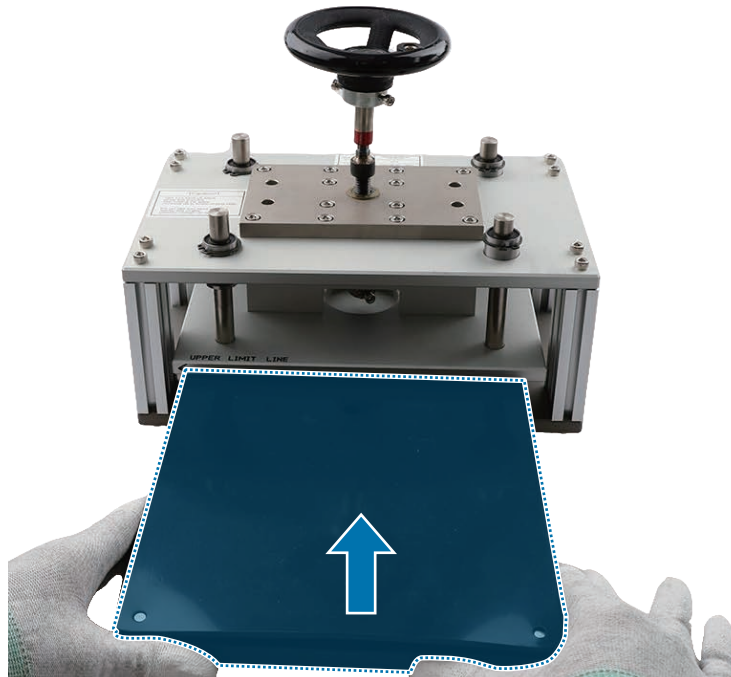


- 19 Place the top press tray in the position of the bottom press tray and lightly press it to assemble so that each corner can be fixed to the guide pin.

⚠ Be careful not to damage the screen and device.



- 20 Position the top half of the press tray with the device lengthwise in the centre of the press fixture.



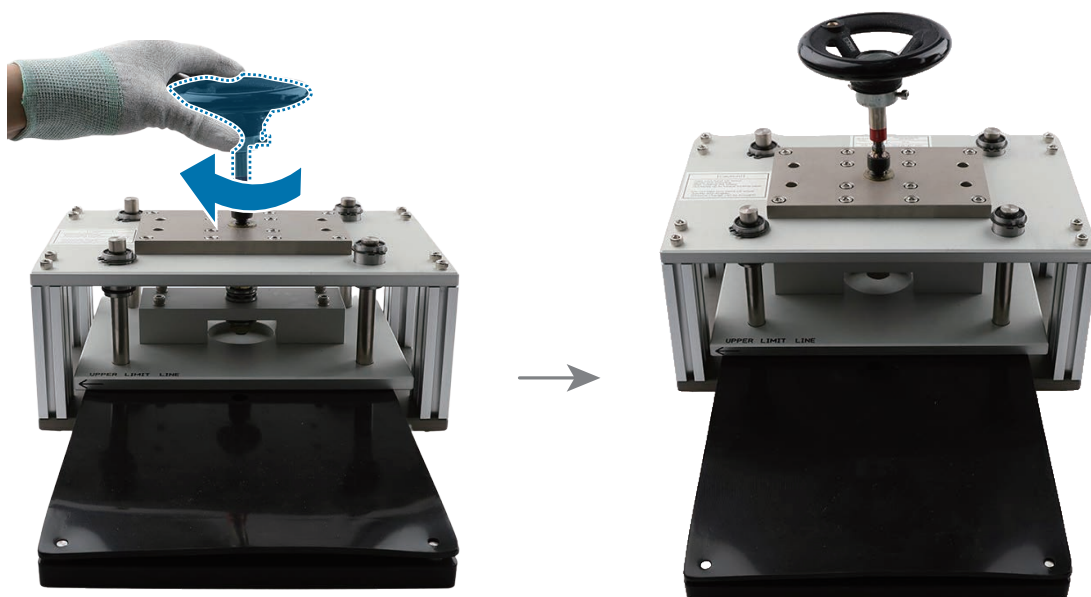
- 21 Rotate the torque limit handle to the clockwise until it makes a sound. In that press state, stay the tray for 30 seconds.



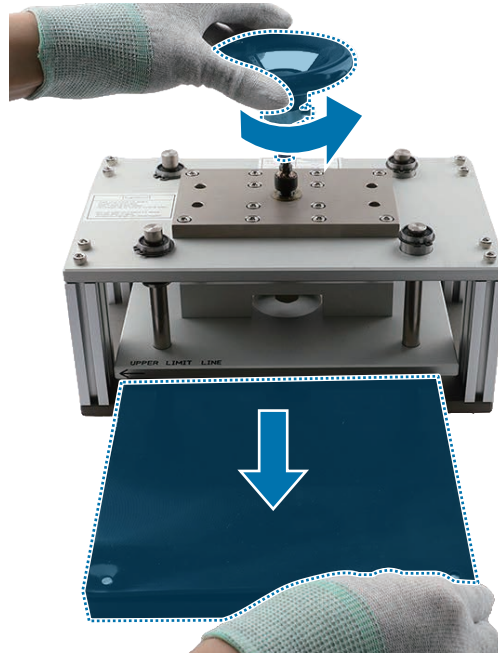
Keep your hands out of the press fixture to avoid mechanical pinching and injury.



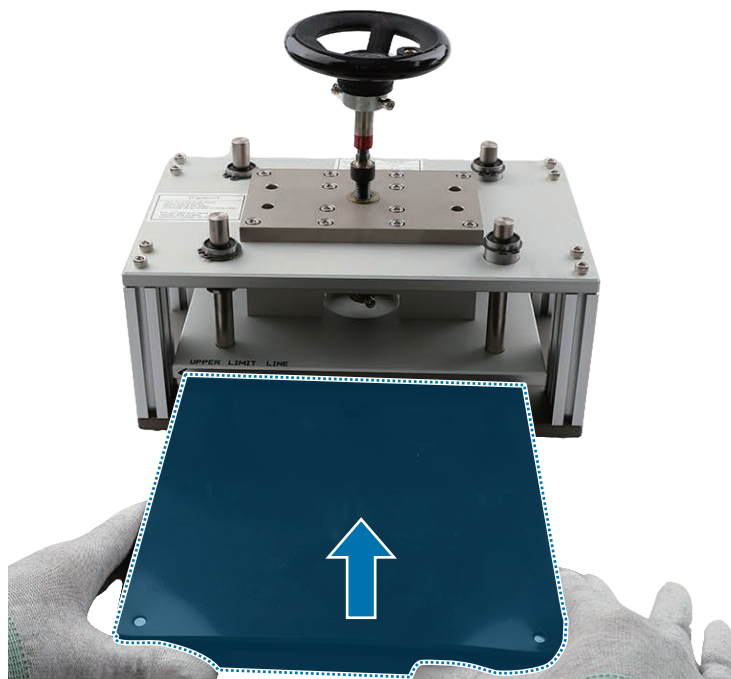
When you reach the required maximum force (1 N), a sound is made from the handle if you turn the handle.



- 22 When the press is completed after 30 seconds, rotate the torque limit handle to the anticlockwise and remove the tray from the press fixture.



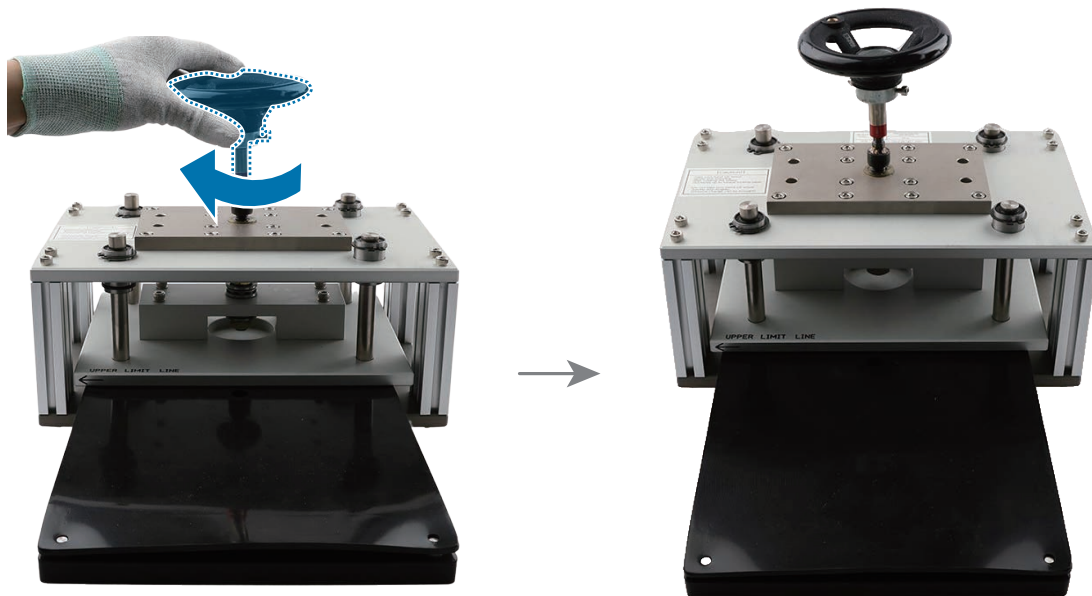
- 23 Position the bottom half of the press tray with the device lengthwise in the centre of the press fixture.



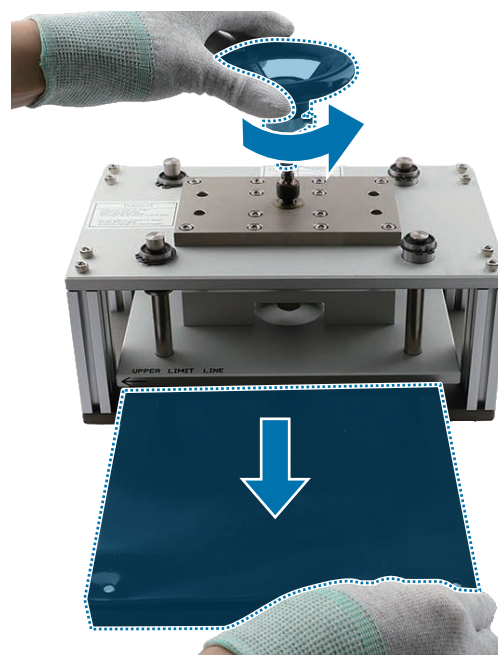
24 Rotate the torque limit handle to the clockwise until it makes a sound. In that press state, stay the tray again for 30 seconds.

⚠ Keep your hands out the of press fixture to avoid mechanical pinching and injury.

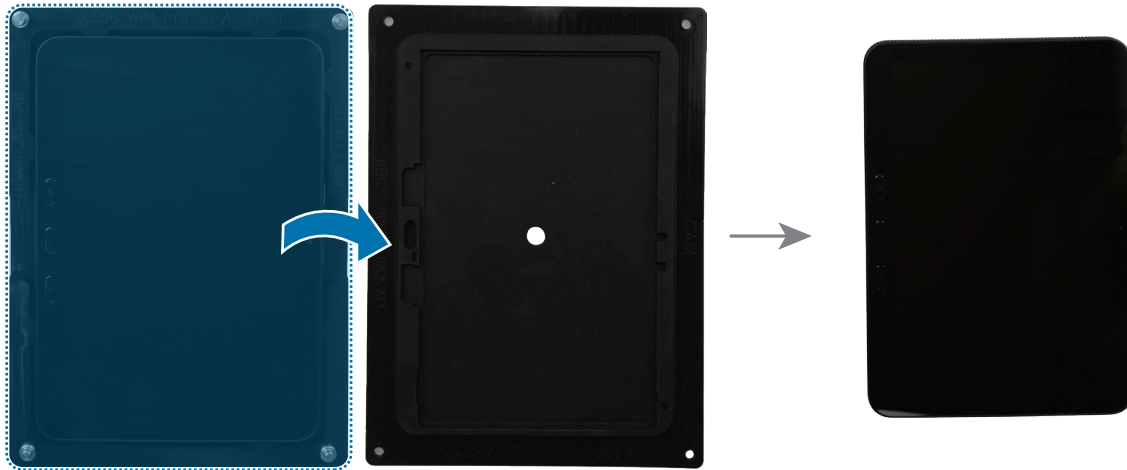
👉 When you reach the required maximum force (1 N), a sound is made from the handle if you turn the handle.



25 When the second press is completed after 30 seconds, rotate the torque limit handle to the anticlockwise and remove the tray from the press fixture.



26 Remove the device carefully from the tray.



 Reassemble the [Battery](#) and [Back Cover](#) to complete assembly.

Home Button (Fingerprint Recognition Sensor)

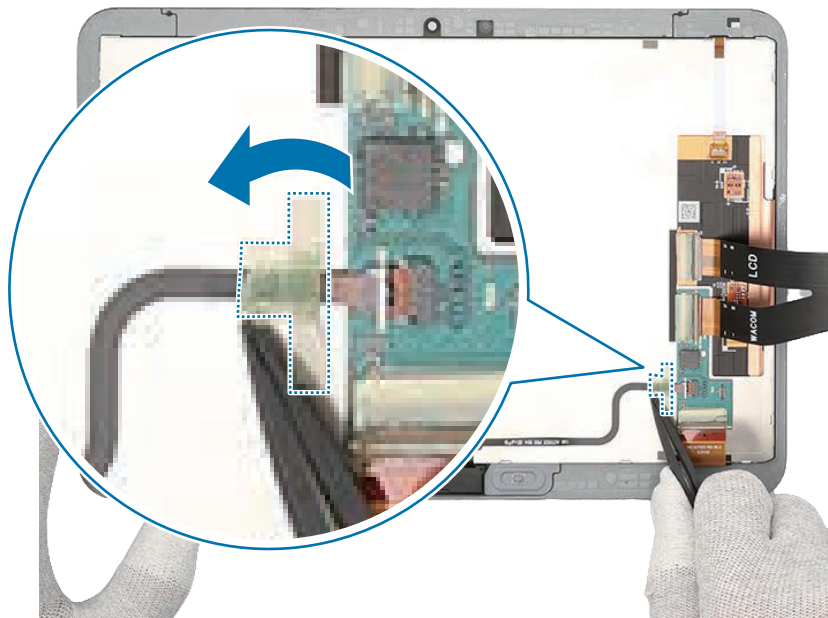
-  The Home button is already built into the screen module. Disassemble the button only if the button itself requires repair.

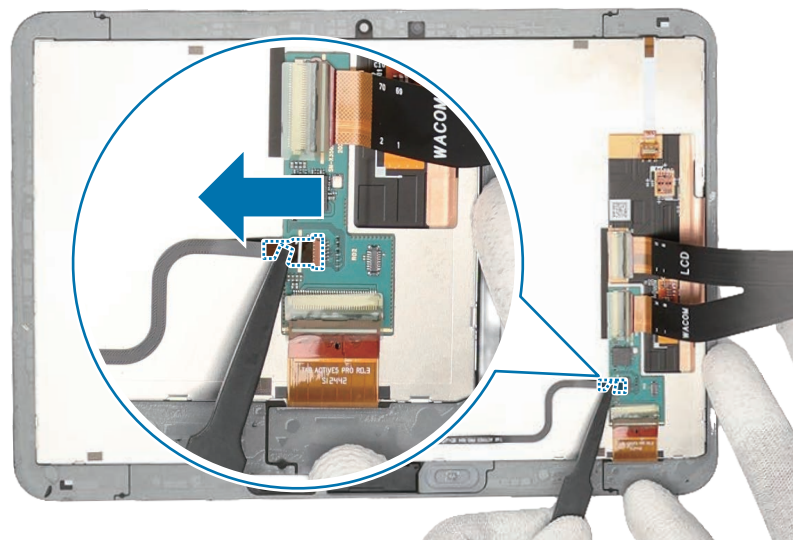
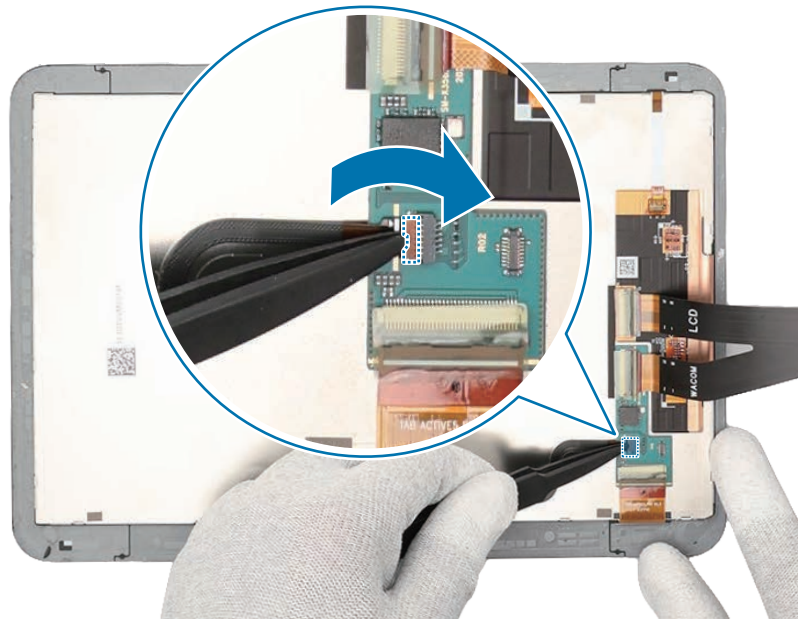
Disassembly

-  Remove the [Back Cover](#), [Battery](#), and [Screen](#) first before you begin.

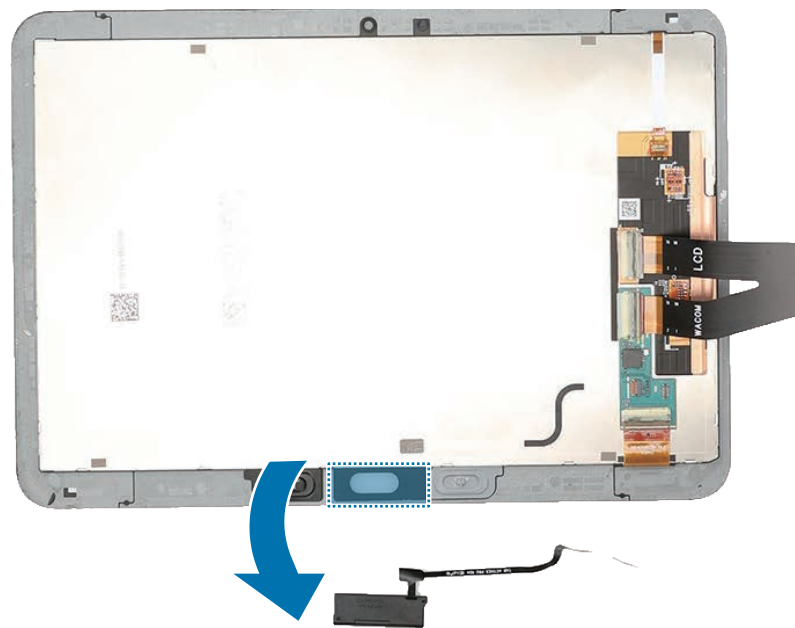
Using the tweezers, remove the tape from the Home button cable connector, lift up the connector cap, and then separate the cable from the screen. Using the opening pick, disassemble the Home button from the screen.

-  Be careful not to damage the button and device.





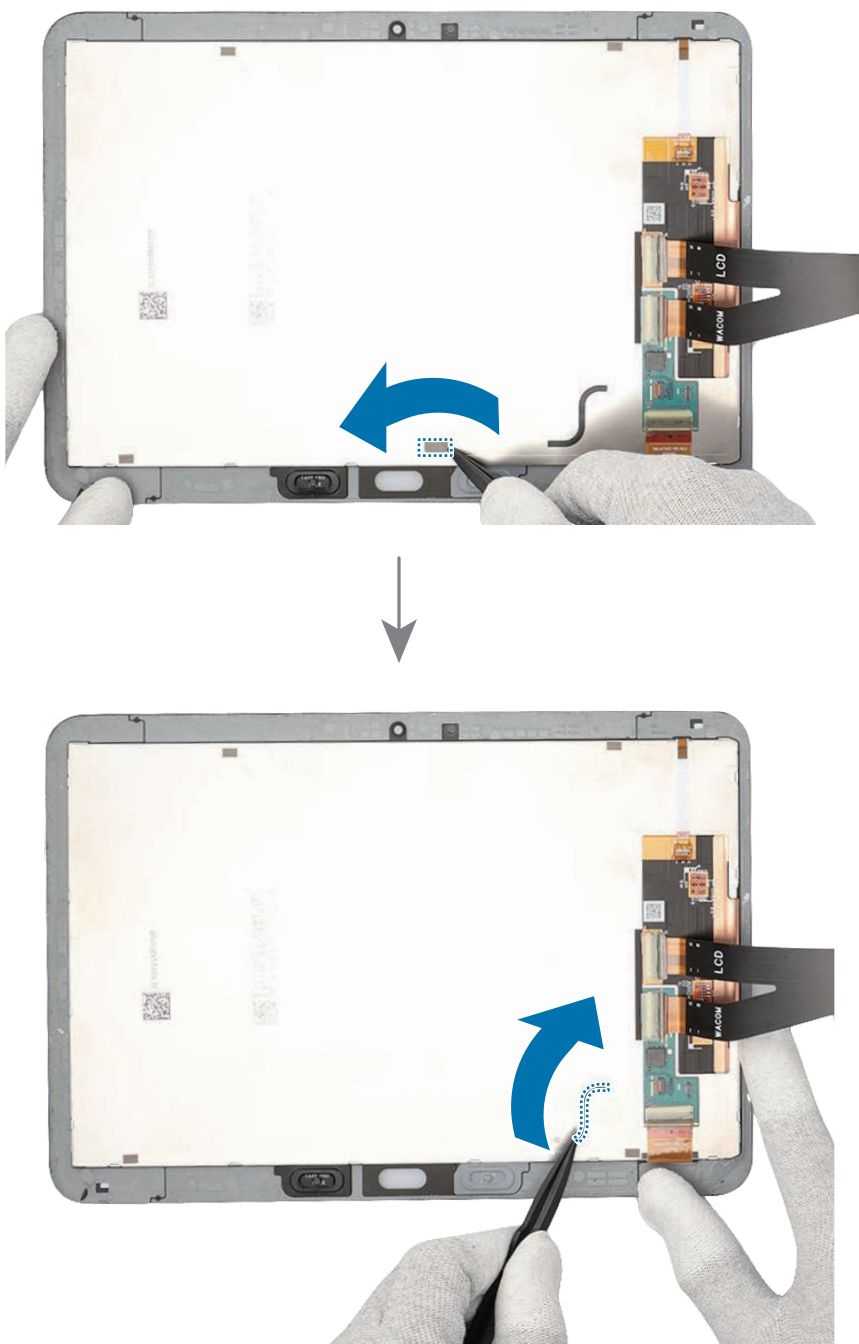




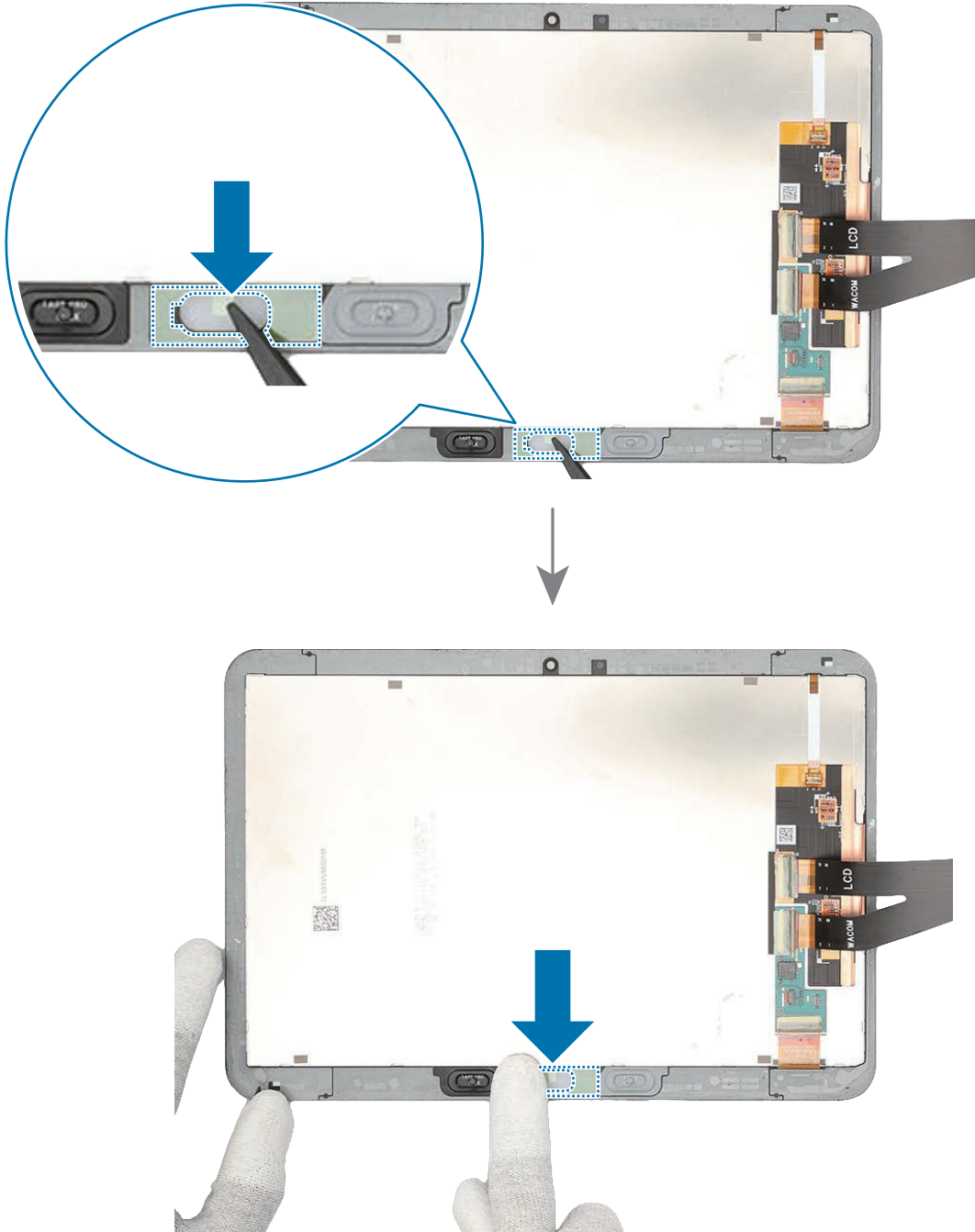
Reassembly

-  Leaving screws inside the device may damage internal components, such as the battery. When assembling, be extra careful not to leave any unassembled screws inside the device.

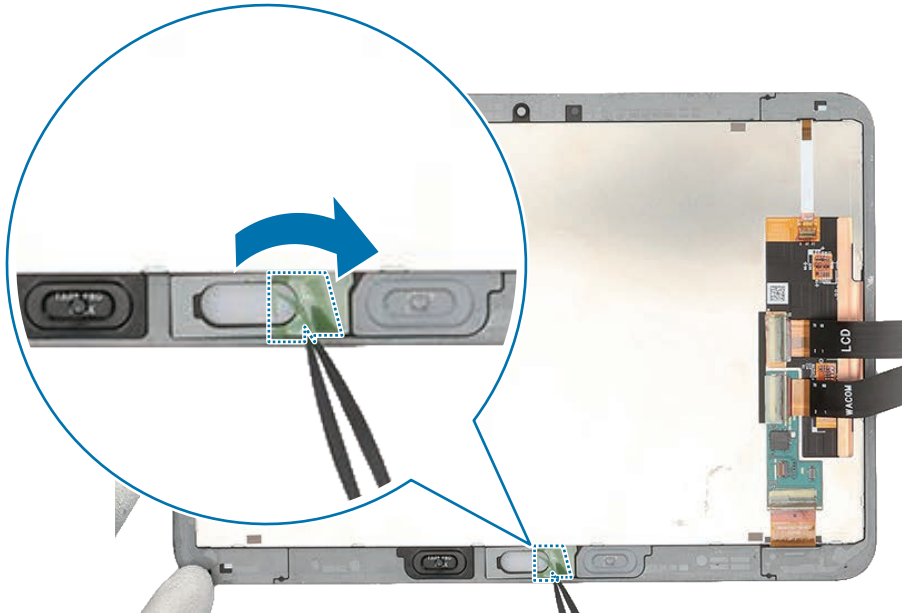
- 1 Using the tweezers, remove the adhesive tape from where the Home button cable was attached.



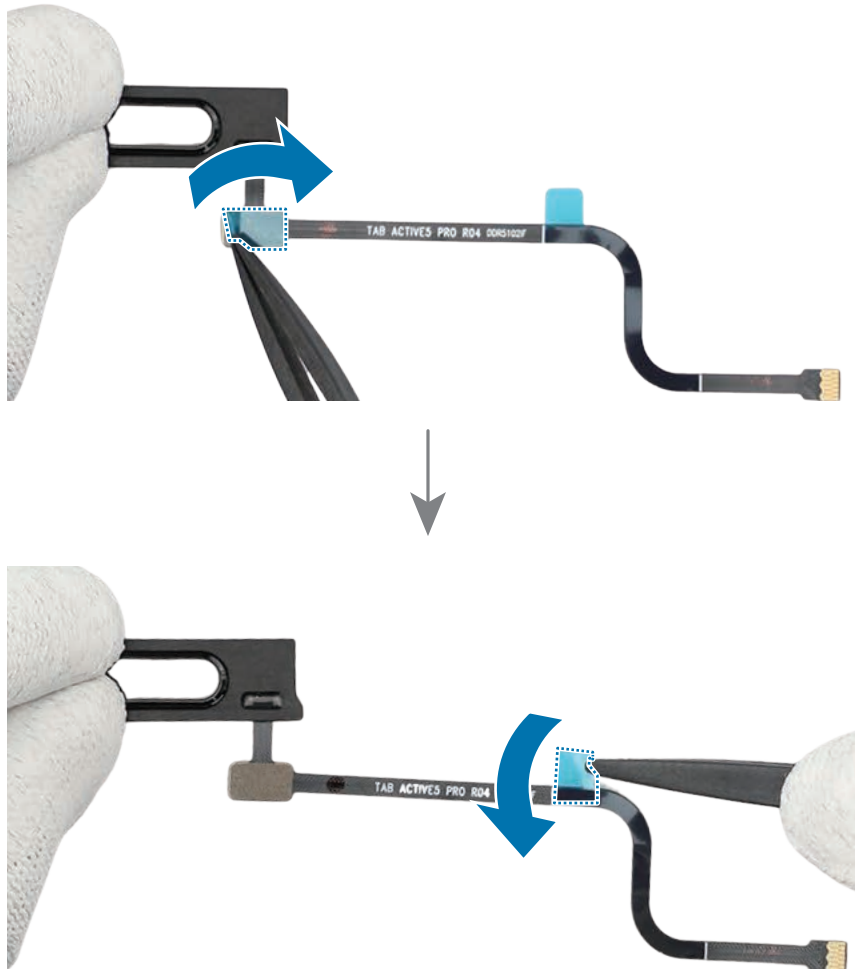
- 2 Using the tweezers, remove the release film of the new Home button adhesive tape. Align the outside shape of the tape with the Home button position and attach it accurately. Gently press down the tape with your fingers so that the tape can be attached well.



- 3 Using the tweezers, hold the protruding release film of the attached tape and carefully remove it.

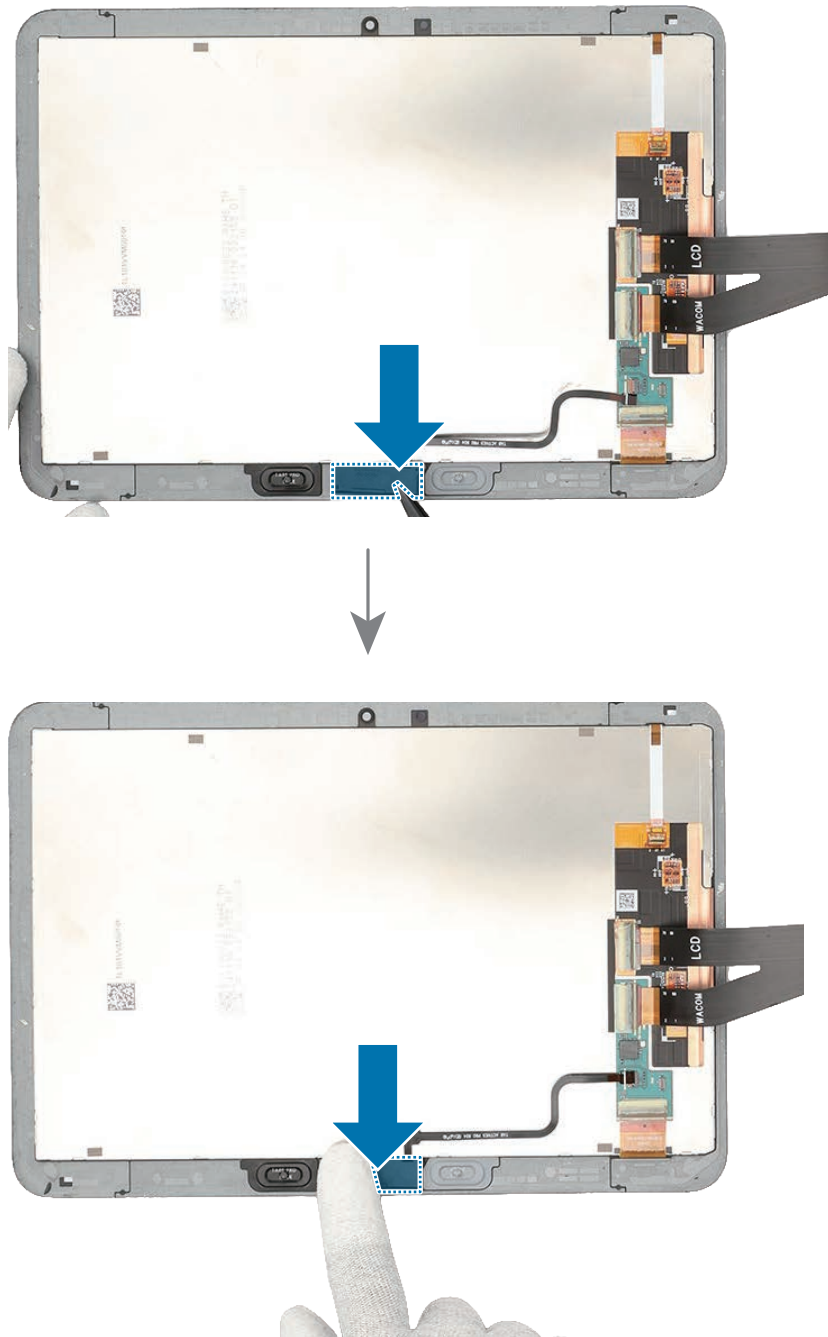


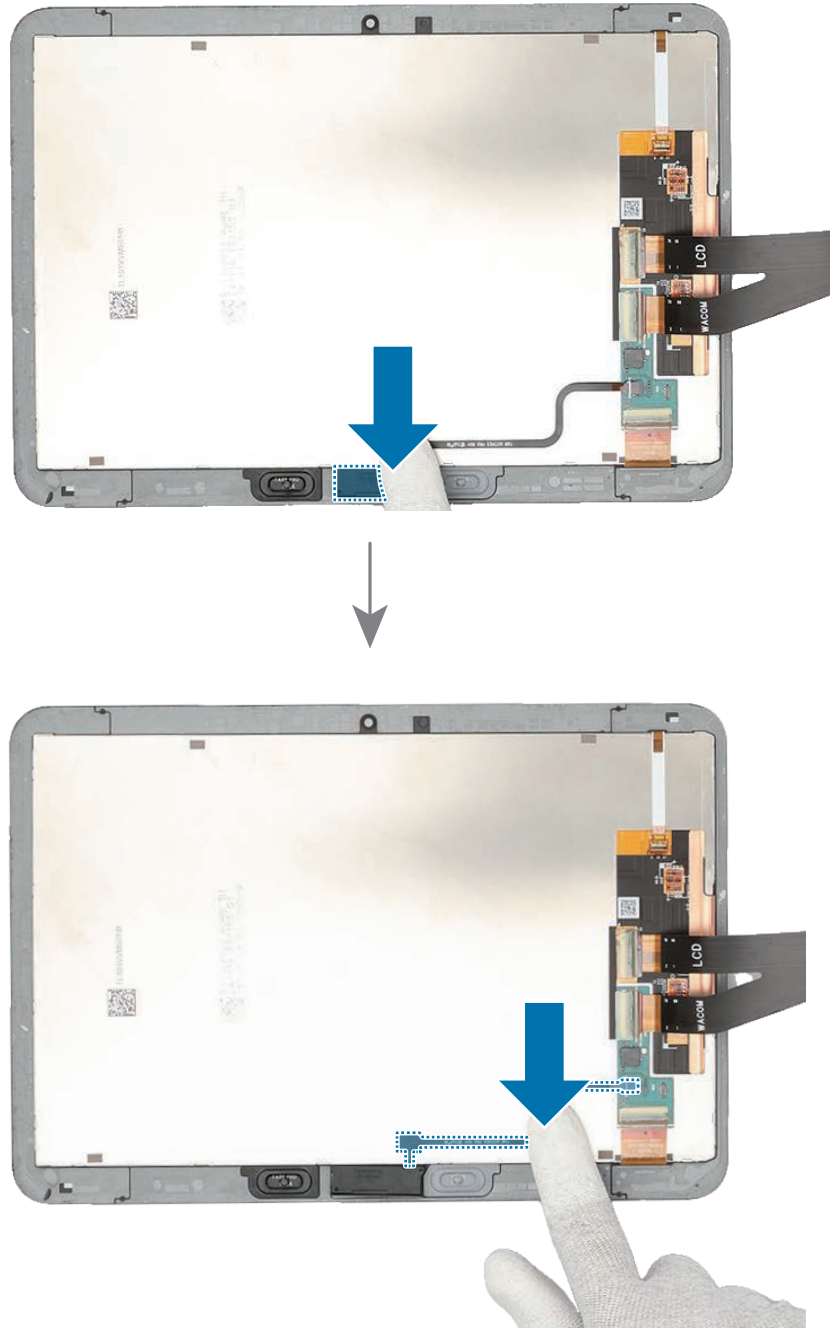
- 4 Using the tweezers, remove the release films of the adhesive tapes attached to the new Home button.



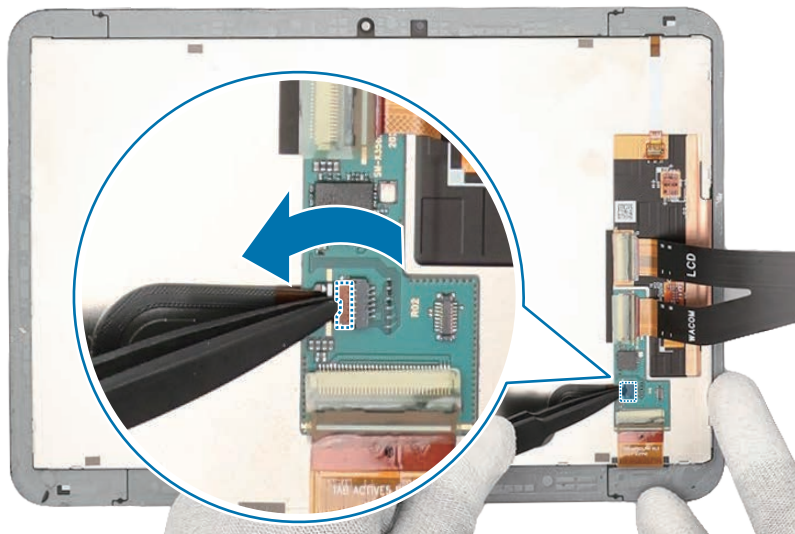
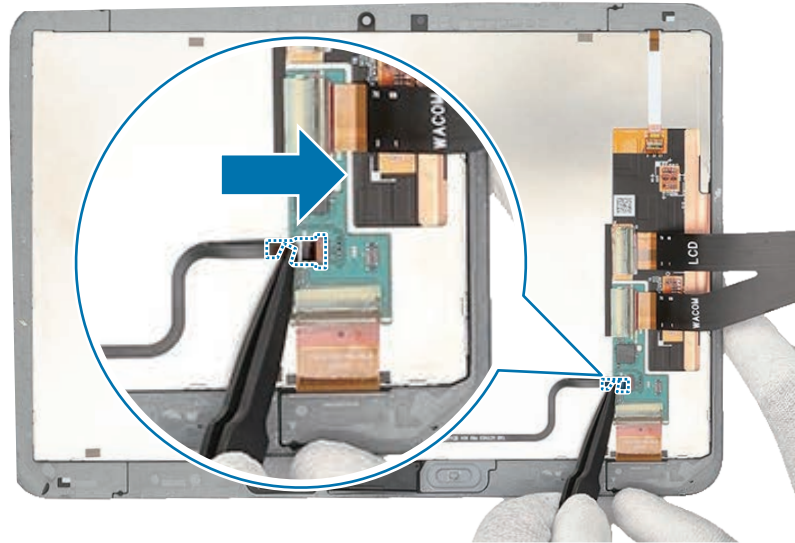
- 5 Using the tweezers, assemble the Home button to the exact position of the screen module. Press the Home button and cable with your fingers softly so that the Home button can be assembled well.

⚠ Be careful not to damage the button and device.

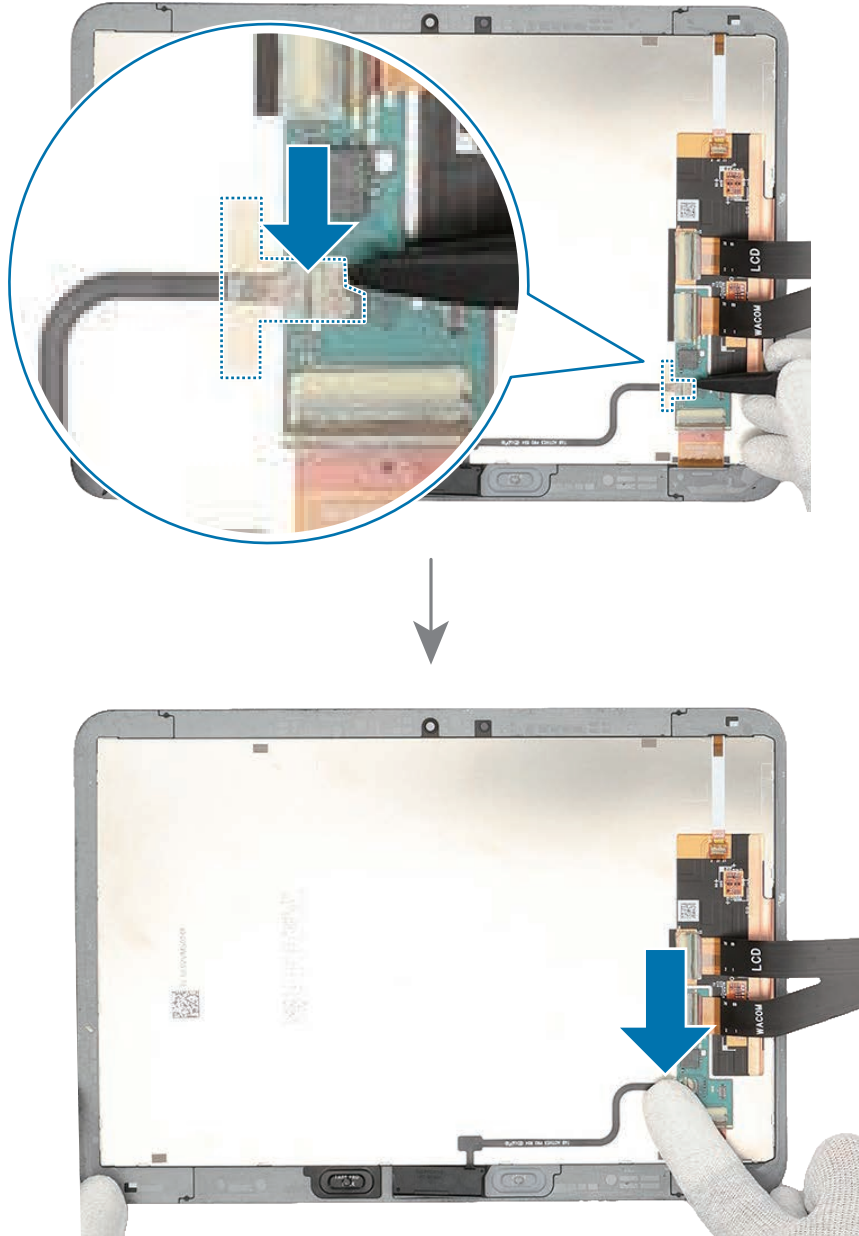




- 6 Connect the Home button cable connector to the screen. In a state where the cable connector is connected, close the connector cap.



- 7 Using the tweezers, remove the release film of the new Home button cable connector adhesive tape. Align the outside shape of the tape with the connector position and attach it accurately. Gently press down the tape with your fingers so that the tape can be attached well.



Reassemble the [Screen](#), [Battery](#), and [Back Cover](#) to complete assembly.

Back Button and Recents Button

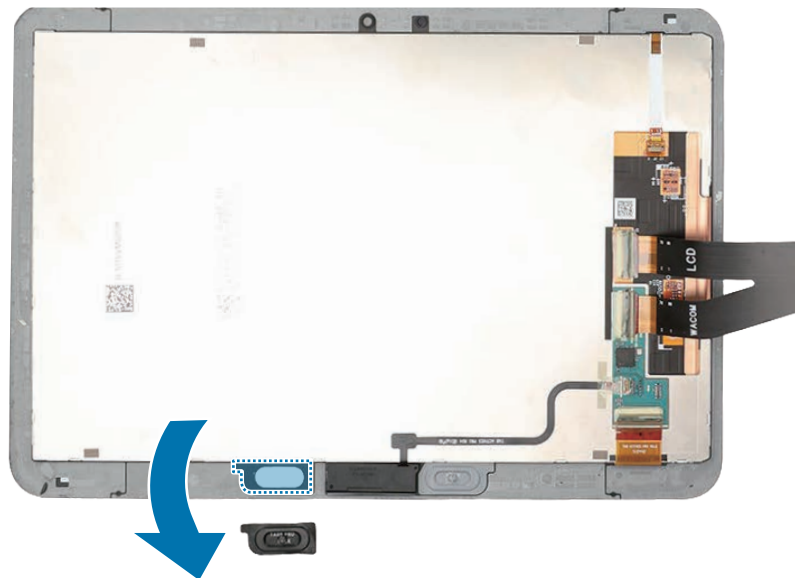
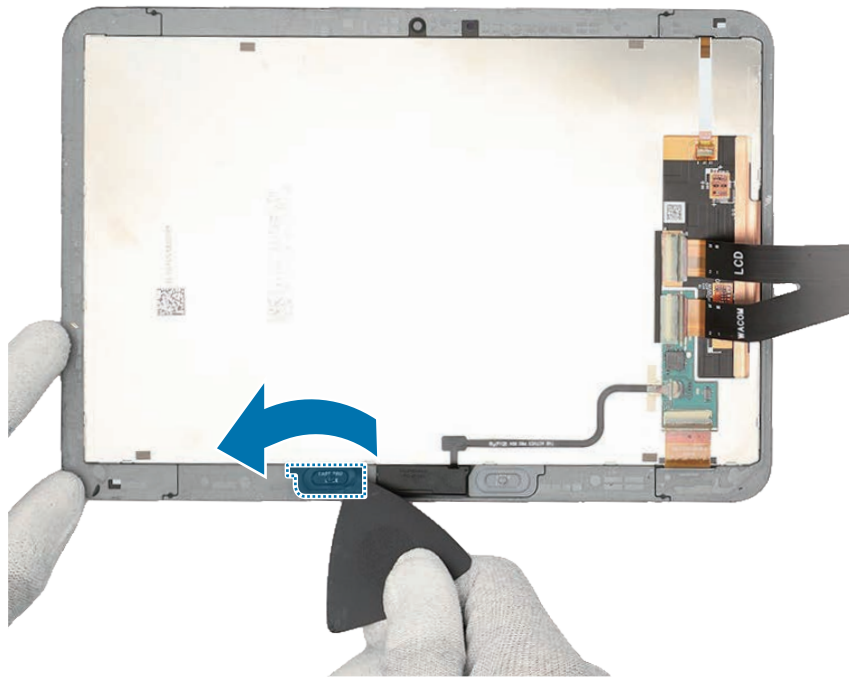
-  The Back button and Recents button are already built into the screen module. Disassemble the buttons only if the buttons themselves require repairs.

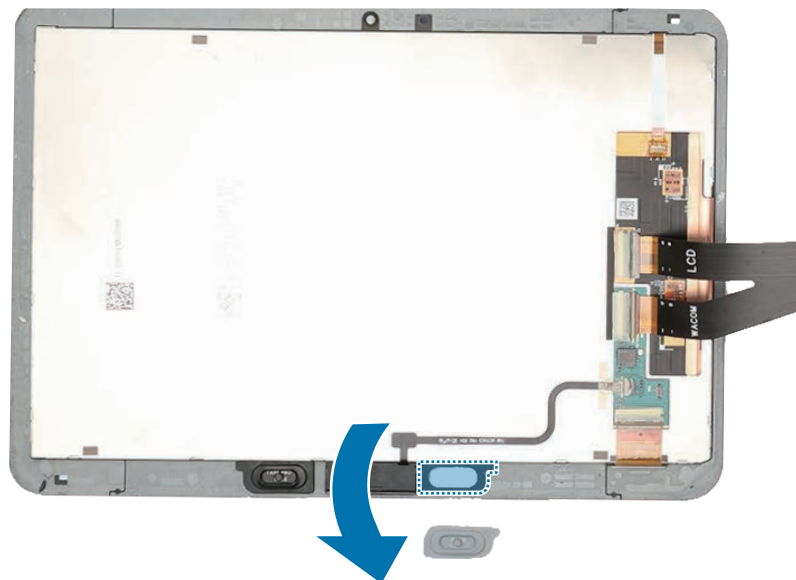
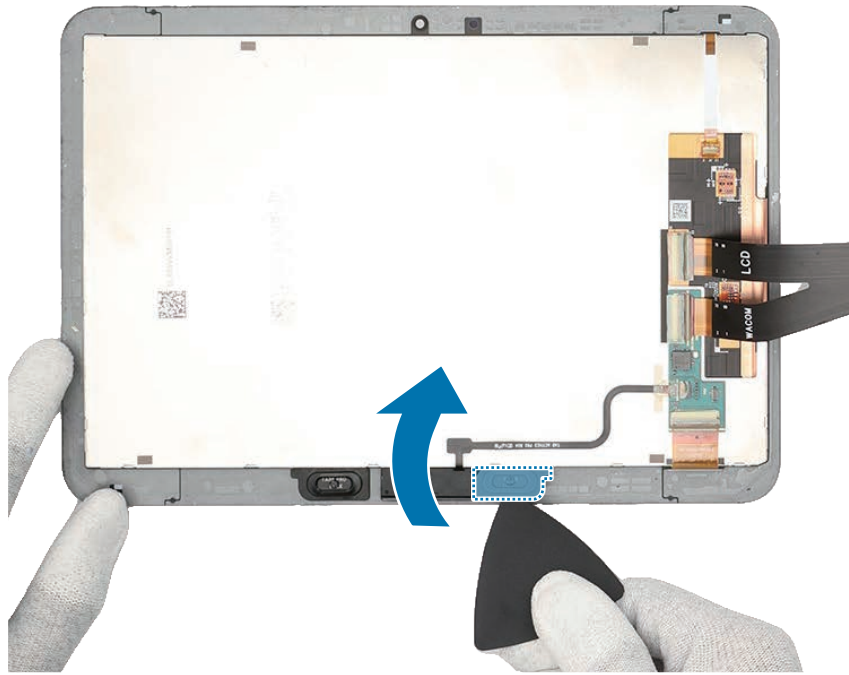
Disassembly

-  Remove the [Back Cover](#), [Battery](#), and [Screen](#) first before you begin.

Using the opening pick, disassemble the Back button or Recents button from the screen.

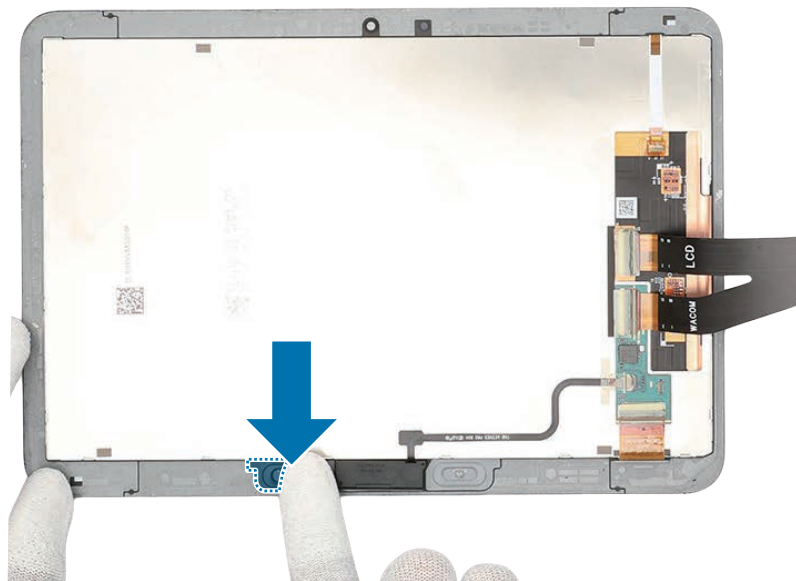
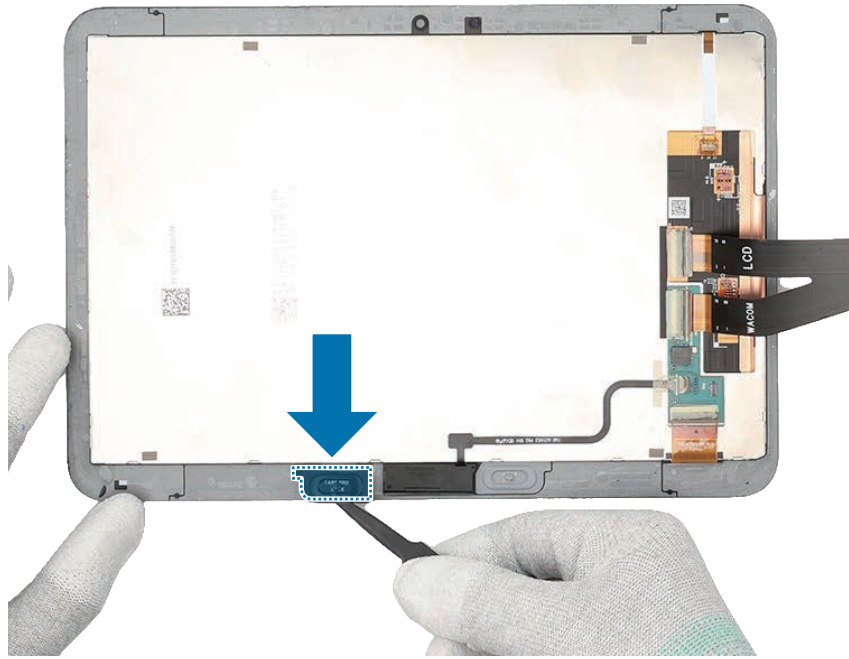
-  Be careful not to damage the button and device.



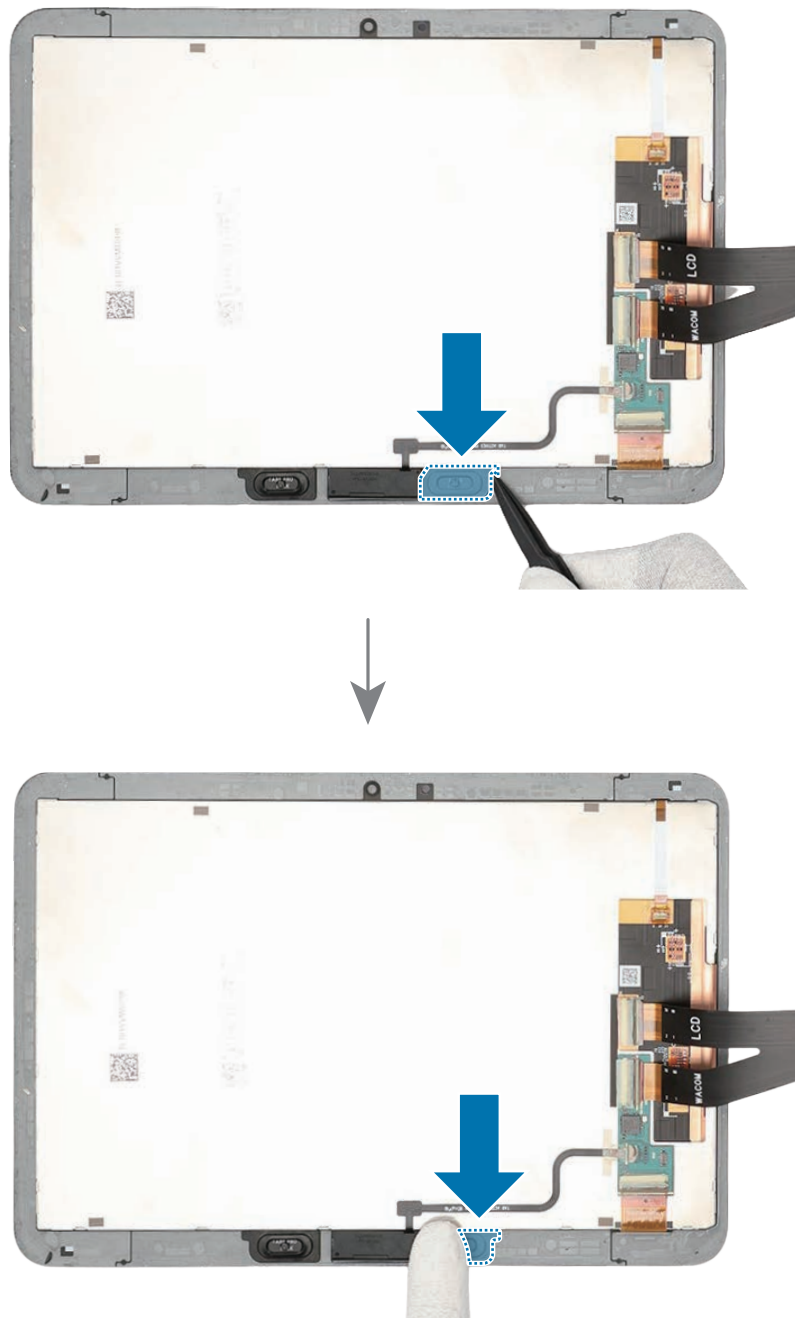


Reassembly

-  Leaving screws inside the device may damage internal components, such as the battery. When assembling, be extra careful not to leave any unassembled screws inside the device.
- 1 Using the tweezers, assemble the Back button to the exact position of the screen module. Press the Back button with your fingers softly so that the Back button can be assembled well.
-  Be careful not to damage the button and device.



- 2 Using the tweezers, assemble the Recents button to the exact position of the screen module. Press the Recents button with your fingers softly so that the Recents button can be assembled well.



 Reassemble the [Screen](#), [Battery](#), and [Back Cover](#) to complete assembly.

Bracket

Disassembly

 Remove the [Back Cover](#), [Battery](#), and [Screen](#) first before you begin.

- 1 Using the tweezers, disassemble the charging port connector cover on the back of the device module. Then, disassemble the charging port connector from the main board.

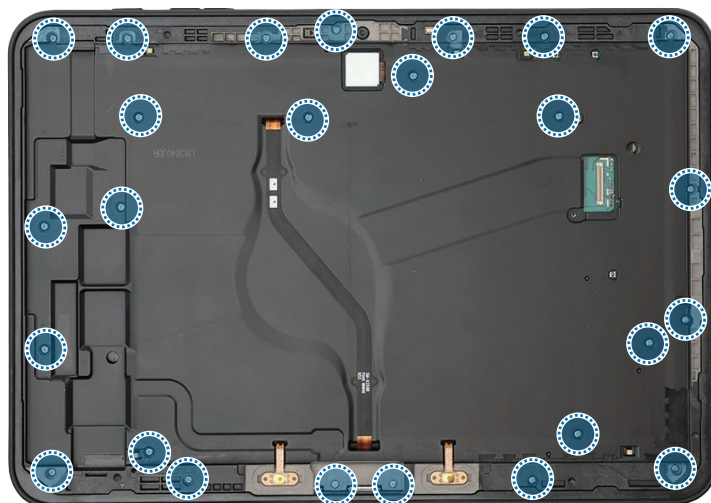




2 Check and remove the screws at the 25 different points on the bracket using a cross-head screwdriver.

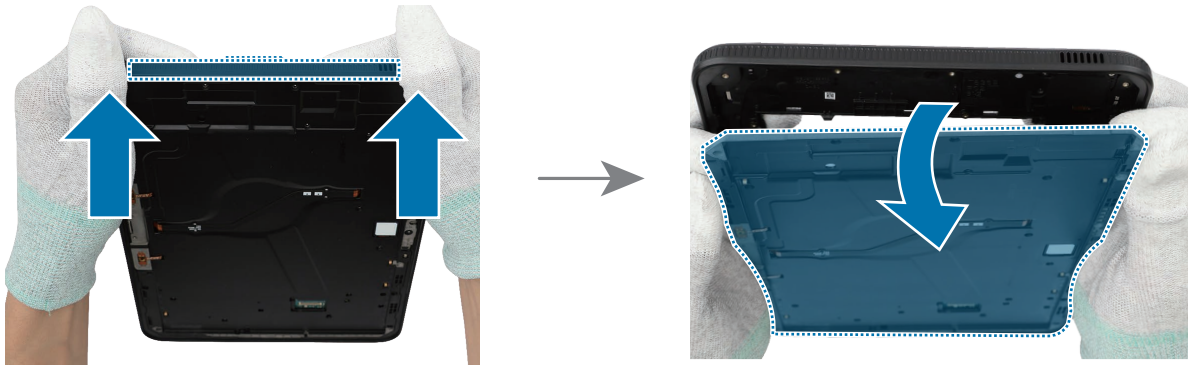


Check the number of screws that have been removed, and store them carefully to make sure that no unassembled screws are left inside the device during assembly.



- 3 Using your fingers, carefully separate the bracket by gently pushing the device frame from the left side edges of the device module.

⚠ As the frame and bracket can be damaged by excessive force, be careful not to damage the frame and bracket.





Reassembly

 Leaving screws inside the device may damage internal components, such as the battery. When assembling, be extra careful not to leave any unassembled screws inside the device.

1 Carefully place the bracket based on the charging port side of the bracket. Using your fingers, assemble the bracket to the exact position of the device frame.

 Be careful not to damage the frame and near components.



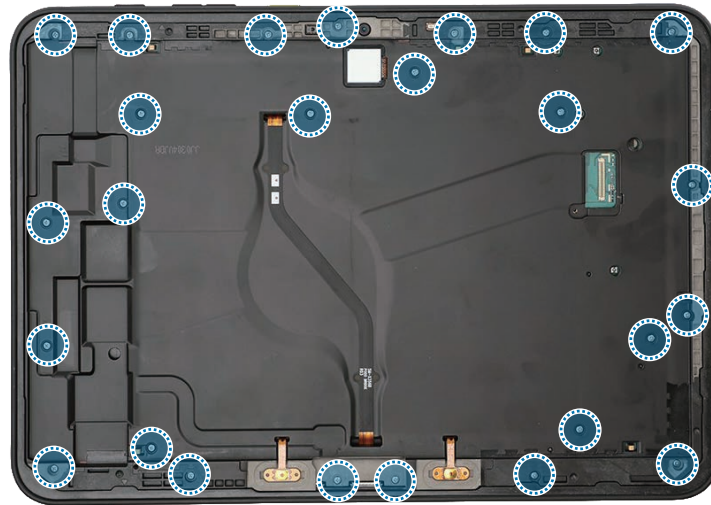
2 Press down on all the edges of the bracket with your fingers softly and evenly so that the bracket can be assembled perfectly.

- ⚠ • As the bracket can be damaged by excessive force, be careful not to damage the bracket.
- Be careful not to put your fingertips or any foreign objects on the front cameras (●).



3 Check the screw 3162 (25 ea) at the 25 different points and fasten the 25 screws.

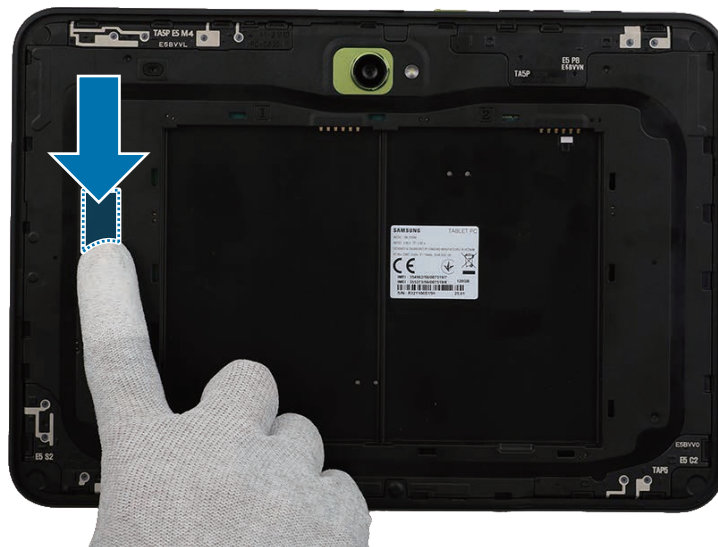
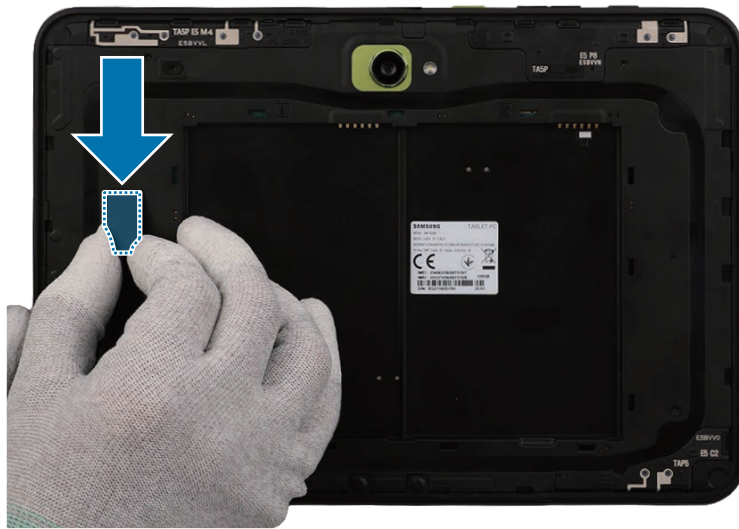
⚠ Be careful not to damage the near components.



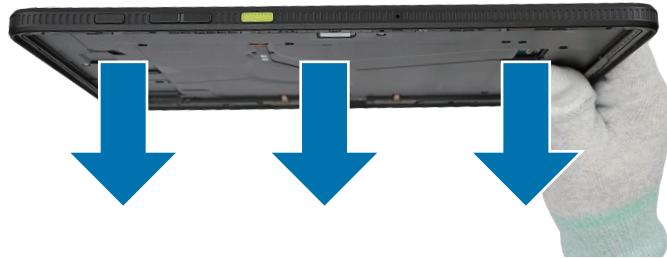
4 Connect the charging port connector on the back of the device to the main board.



- 5 Assemble the charging port connector cover and press down the cover softly.



- 6 Check carefully with your fingers to see if there are any screws or other foreign substances inside the device (battery, PBA, cable, etc.). Shake the device lightly with the back of the device facing down to remove any remaining screws.



-  Reassemble the [Screen](#), [Battery](#), and [Back Cover](#) to complete assembly.

Front Camera

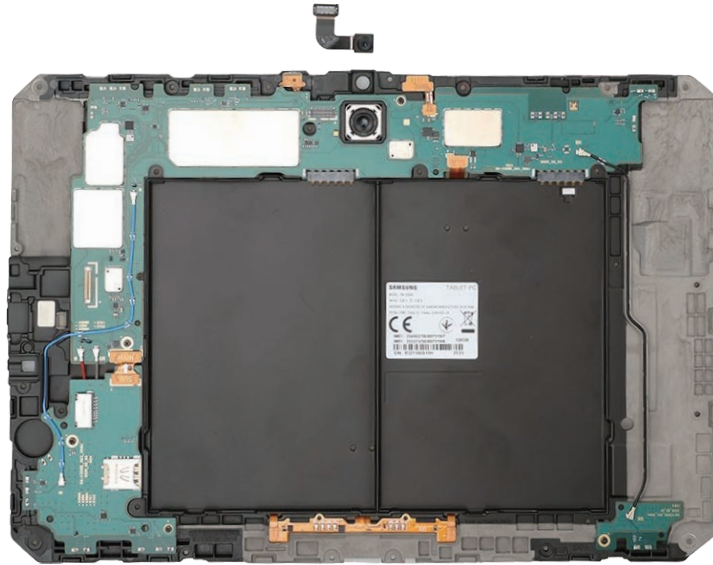
Disassembly

 Remove the [Back Cover](#), [Battery](#), [Screen](#), and [Bracket](#) first before you begin.

Using the tweezers, separate the front camera connector from the main board and remove the front camera carefully from the device. Leave the camera lens facing up.

-  Be careful not to touch the camera lens while removing the camera.
- Be careful not to damage the camera and near components.



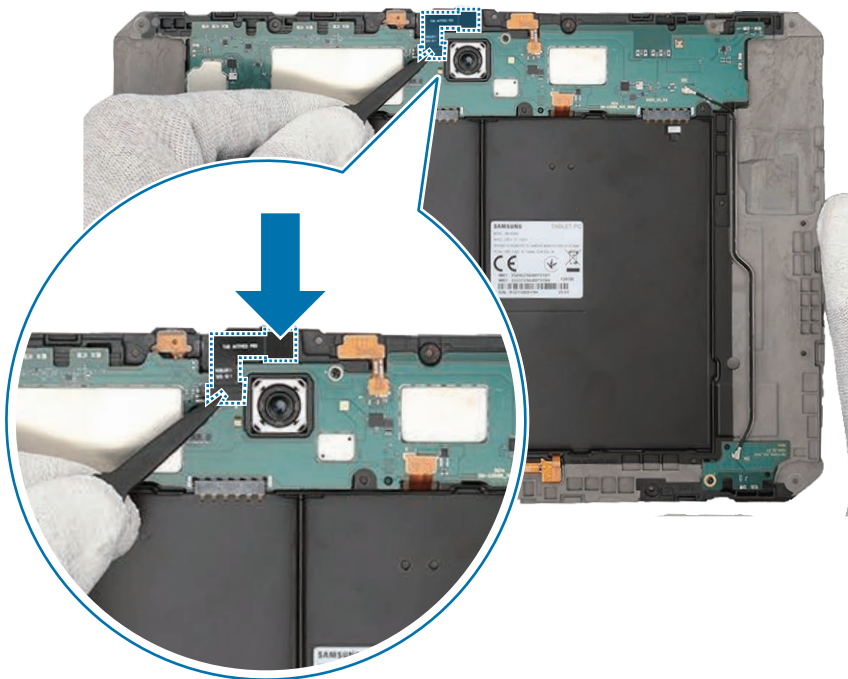


Reassembly

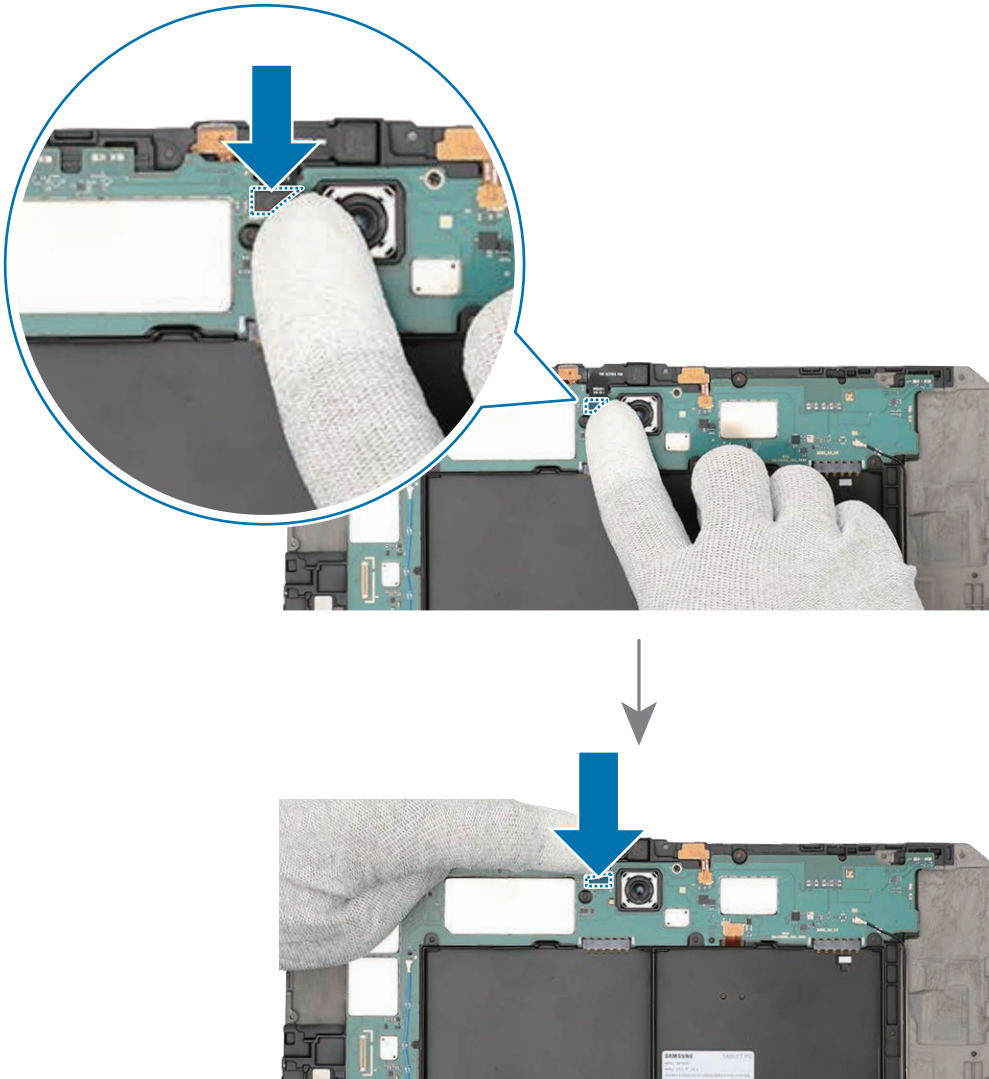
 Leaving screws inside the device may damage internal components, such as the battery. When assembling, be extra careful not to leave any unassembled screws inside the device.

1 Using the tweezers, remove the release film of the adhesive tape attached to the new front camera. Using the tweezers, place the front camera in the camera hole so that the lens faces forward, and gently insert the front camera.

-  • Be careful not to damage the camera lens and near components.
- Be careful not to damage the main board.
- Be careful not to damage and scratch the camera module.



- 2 Press the front camera connector and FPCB cable with your fingers softly so that the front camera can be assembled well.



-  Reassemble the [Bracket](#), [Screen](#), [Battery](#), and [Back Cover](#) to complete assembly.

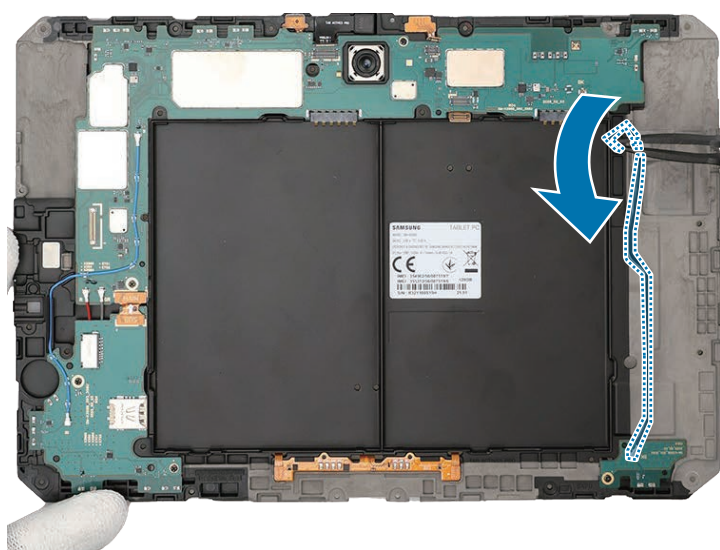
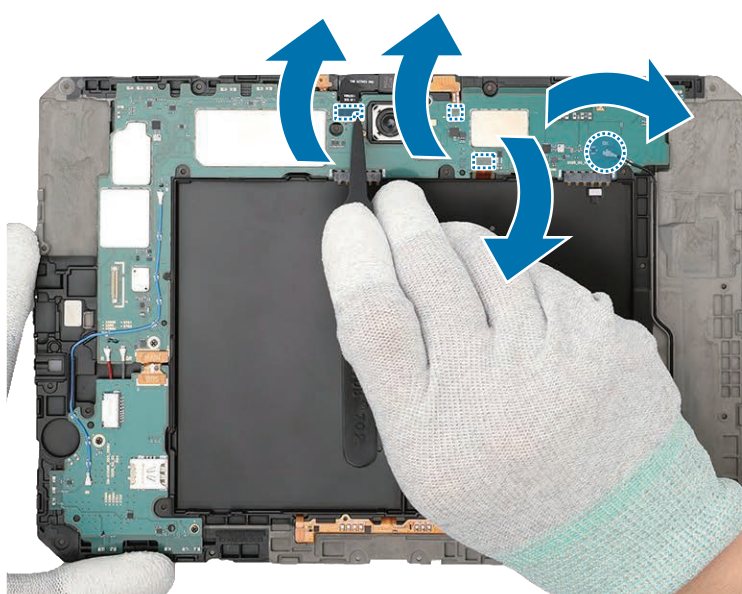
Rear Camera

Disassembly

 Remove the [Back Cover](#), [Battery](#), [Screen](#), and [Bracket](#) first before you begin.

1 Using the tweezers, disconnect the front camera connector, 2 connectors, and coaxial cable connector (Black) from the main board. Then, lift the coaxial cable (Black) up and separate it from the main board.

 Be careful not to damage the main board and near components.



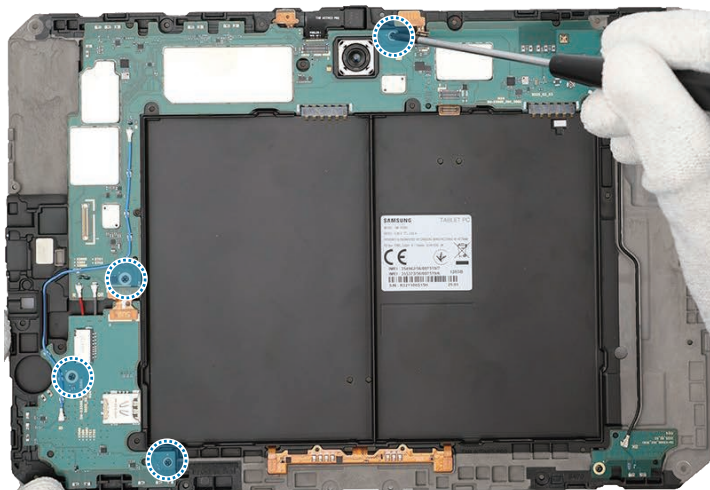
2 Check the 4 screws on the main board and sub PBA and remove them using a cross-head screwdriver.



Be careful not to damage the charging port and near components.

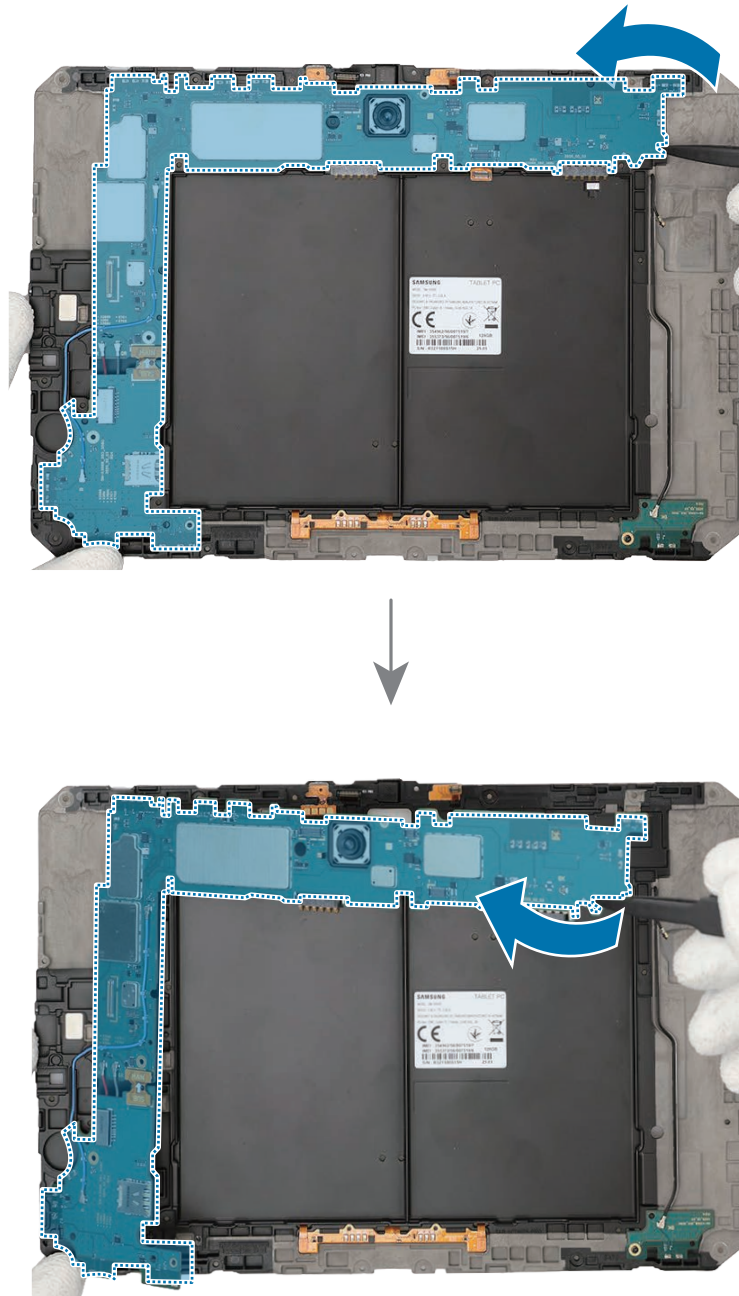


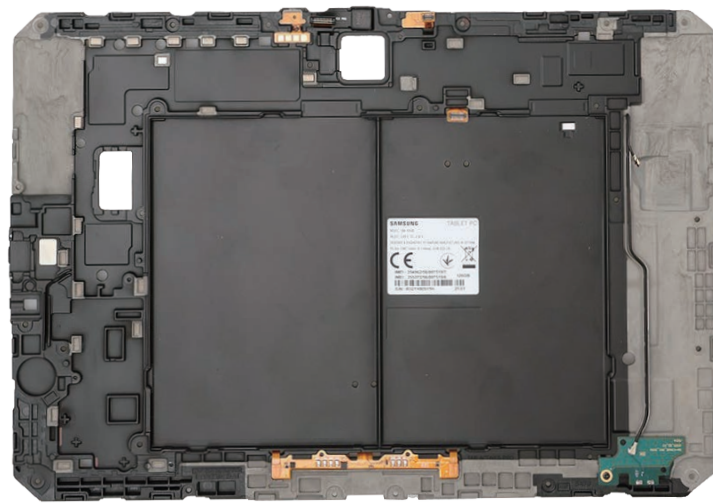
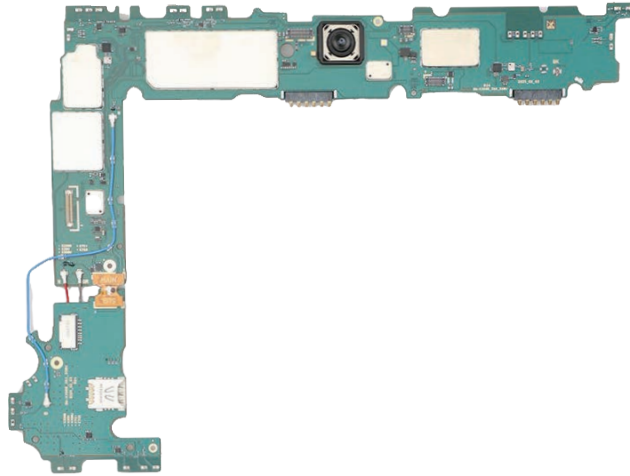
Check the number of screws that have been removed, and store them carefully to make sure that no unassembled screws are left inside the device during assembly.



- 3 Using the tweezers, lift up on the separator groove of the main board and remove the main board and sub PBA together.

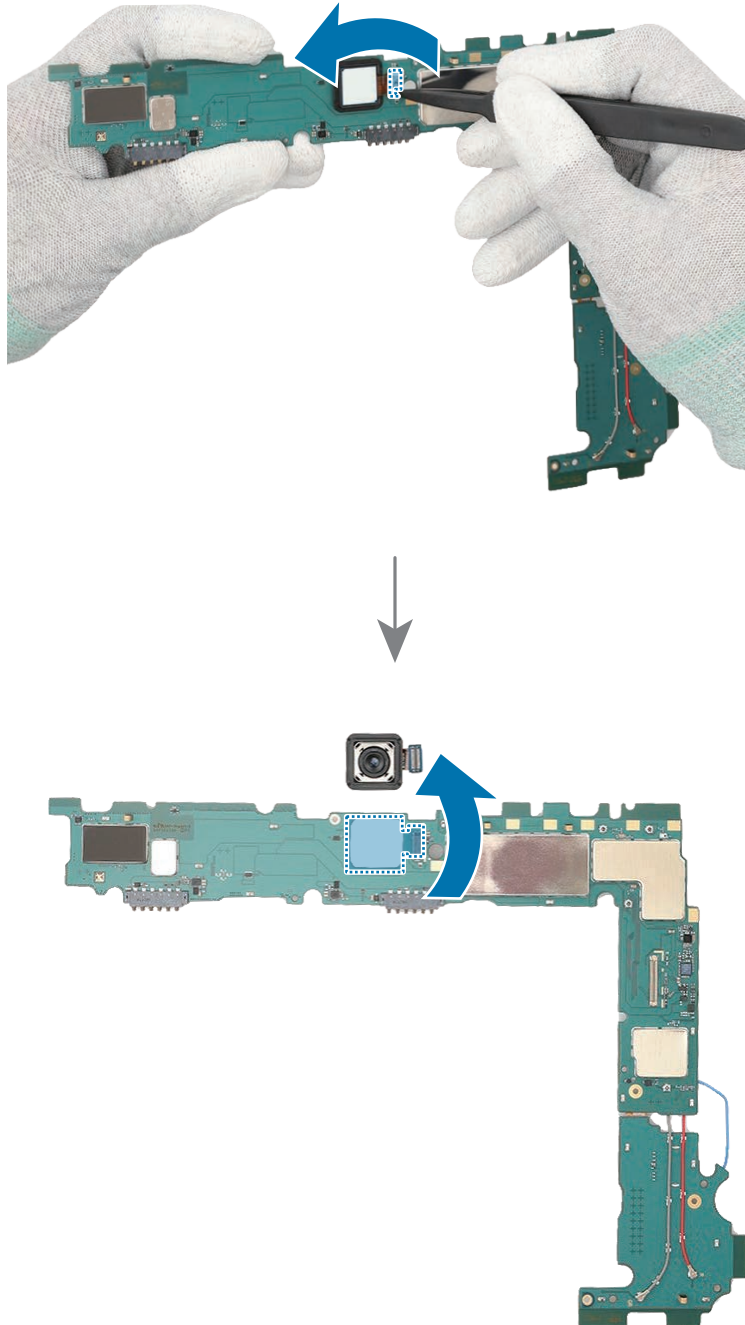
⚠ The cables have to be positioned outside so as not to interfere when disassembling the main board.





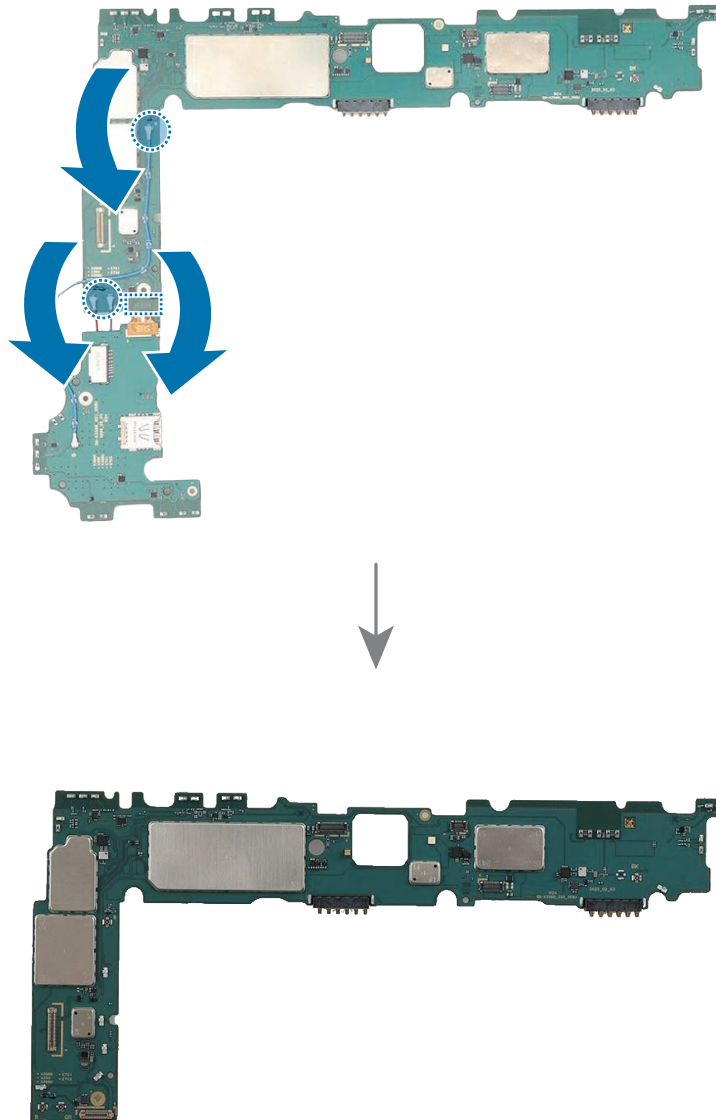
- 4 Disconnect the rear camera connector from the main board using the tweezers, and remove the rear camera carefully from the main board. Leave the camera lens facing up.

⚠ Be careful not to damage the main board.





- Remove the sub PBA and the coaxial cable (Blue) additionally to disassemble only the main board. For the 5G or LTE devices, separate the additional 2 coaxial cable connectors (Red/Grey).
- The 2 coaxial cables (Red/Grey) are only available for the 5G or LTE devices.
- The cables and connectors may vary depending on the country, region, or specifications.

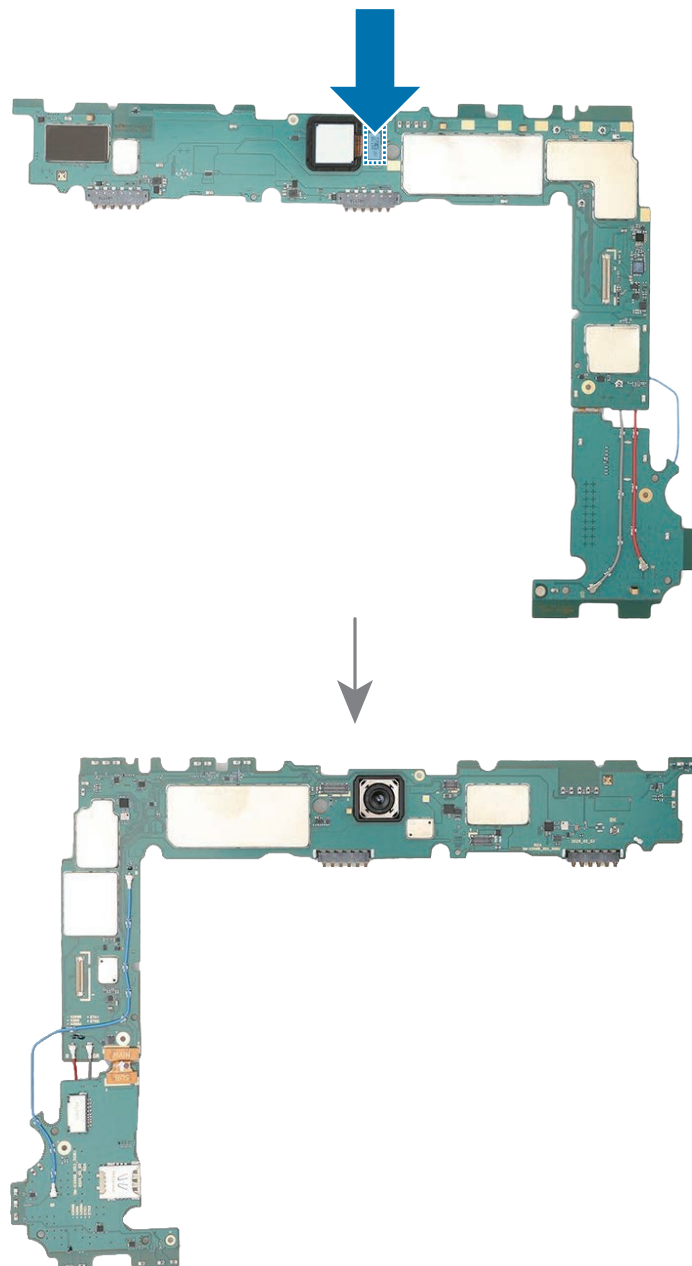


Reassembly

 Leaving screws inside the device may damage internal components, such as the battery. During assembly, be extra careful not to leave any unassembled screws inside the device.

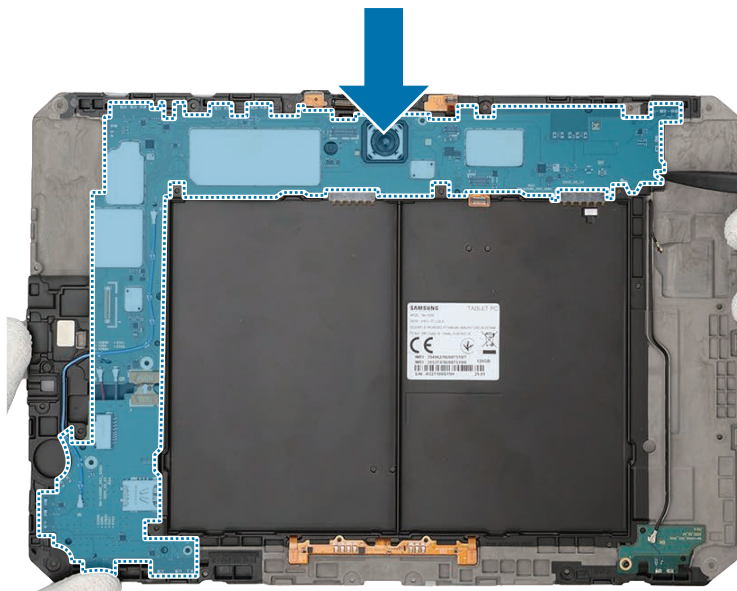
1 Connect the rear camera connector to the main board. Leave the camera lens facing up.

-  Be careful not to drop the camera while connecting the connector.
- Be careful not to damage the camera lens and near components.
- Be careful not to damage the main board.

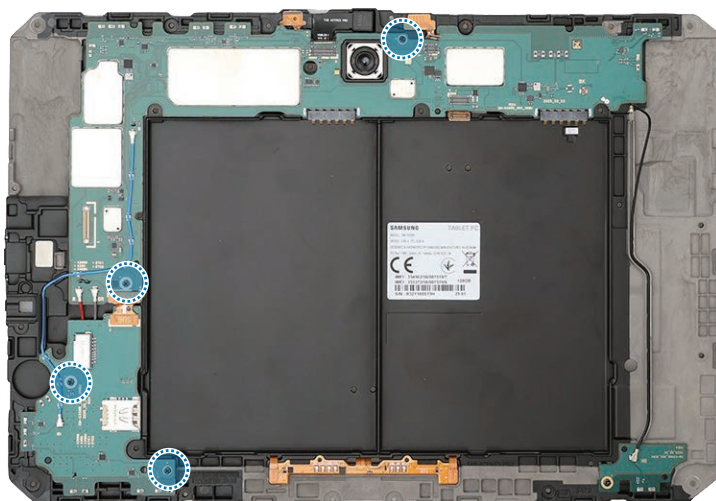


- 2 Using the tweezers, place the main board and the sub PBA to the exact position and assemble it to the bracket. Press down on it in its position smoothly.

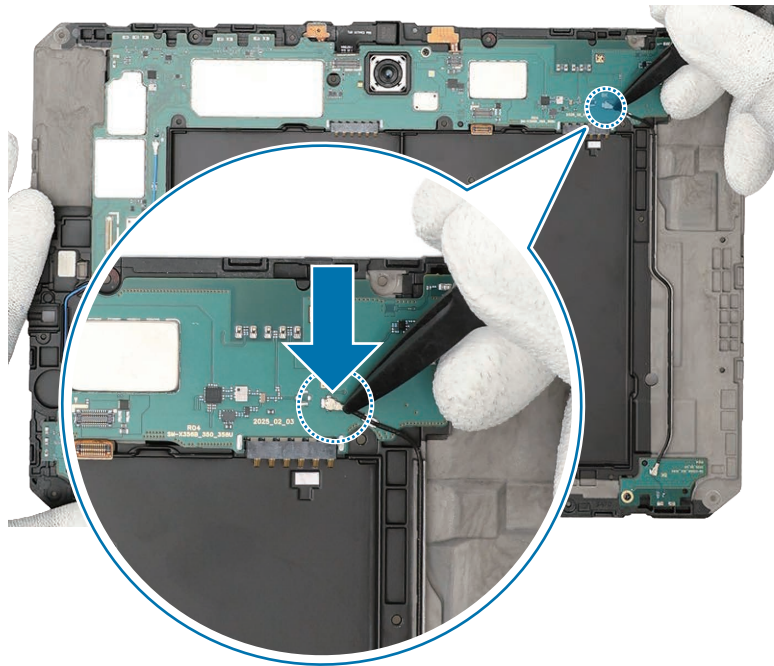
⚠ Be careful not to damage the cables and near components.



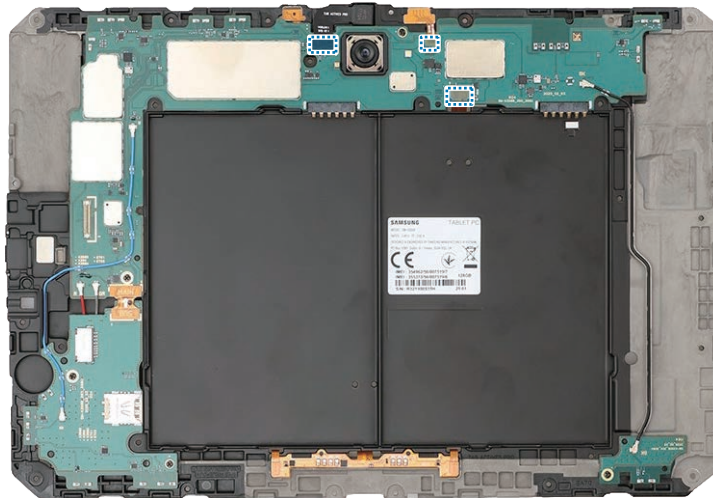
- 3 Check the screws 1460 (4 ea) at the 4 different points and fasten them to the main board and sub PBA.



- 4 Connect the coaxial cable connector (Black) to the main board.



- 5 Connect the front camera connector and 2 connectors on the main board.



-  Reassemble the [Bracket](#), [Screen](#), [Battery](#), and [Back Cover](#) to complete assembly.

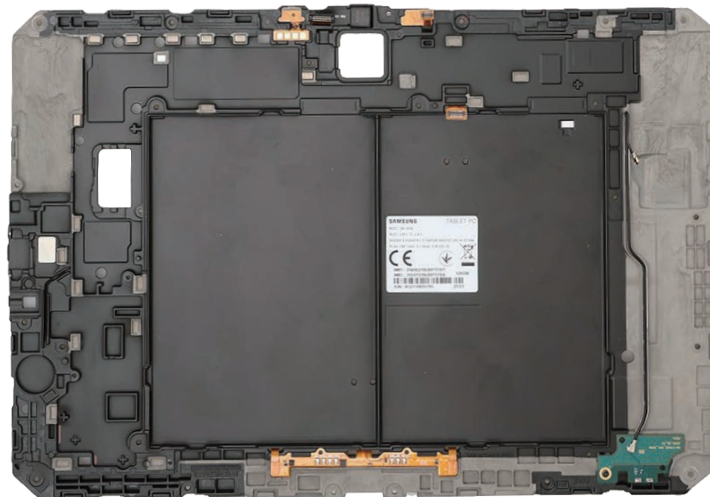
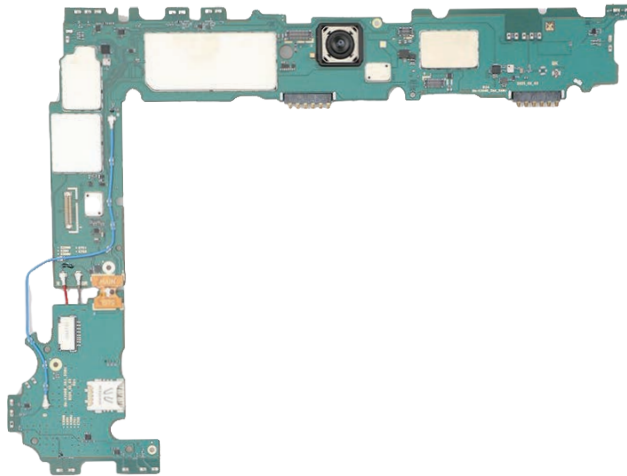
Top Microphone

-  The top microphone is already built into the bracket module. Disassemble the microphone only if the microphone itself requires repair.

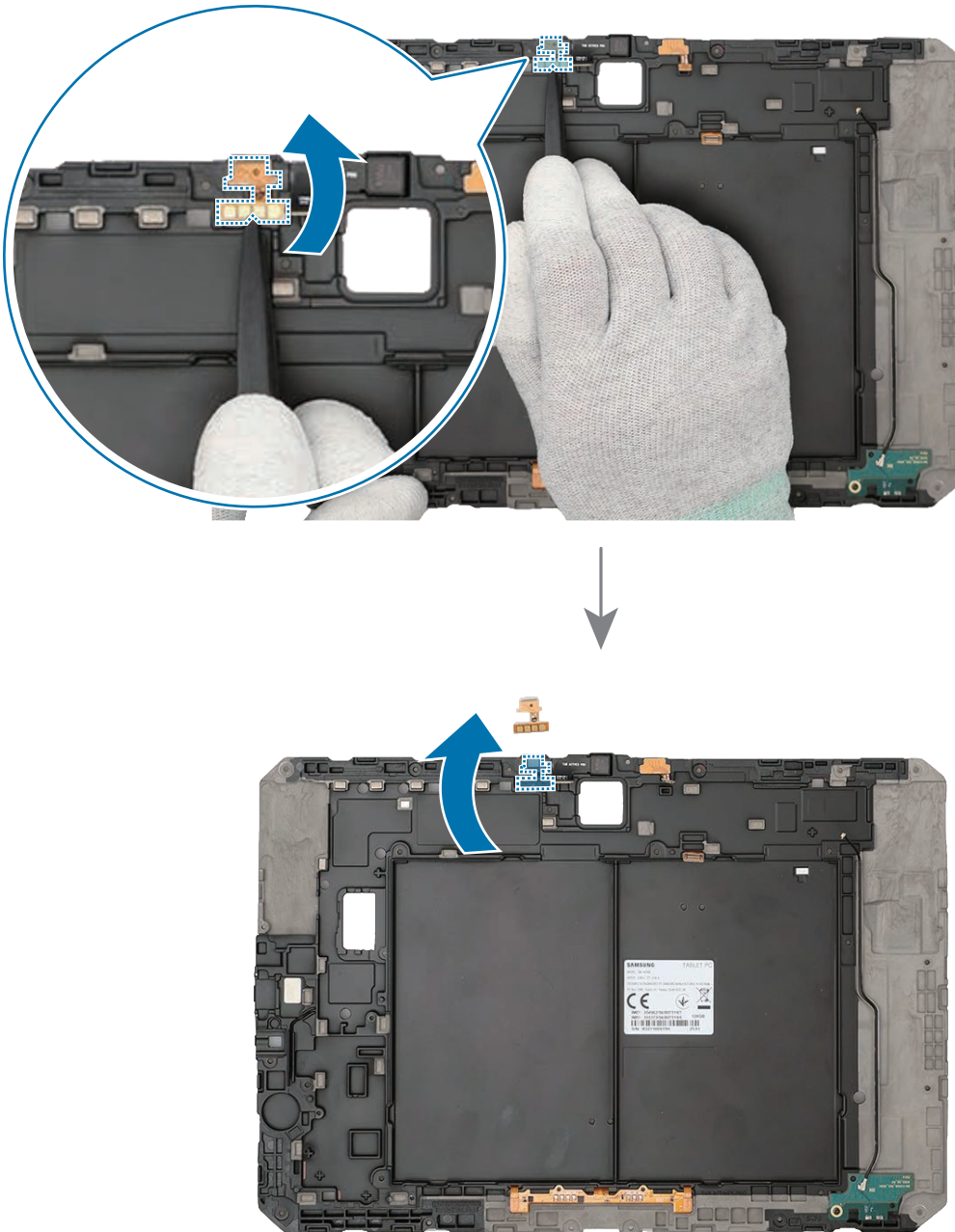
Disassembly

-  Remove the [Back Cover](#), [Battery](#), [Screen](#), and [Bracket](#) first before you begin.

- 1 Check for the disassembly steps of the [Rear Camera](#) and completely separate the main board and sub PBA.



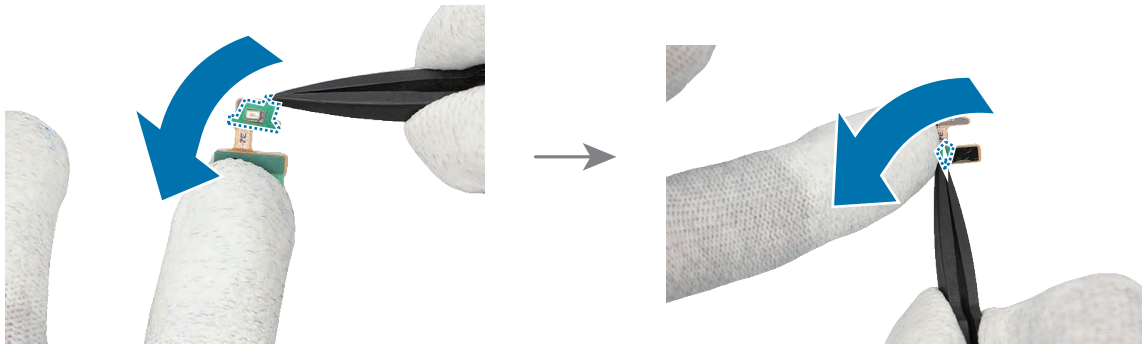
- 2 Using the tweezers, disconnect the microphone from the bracket.



Reassembly

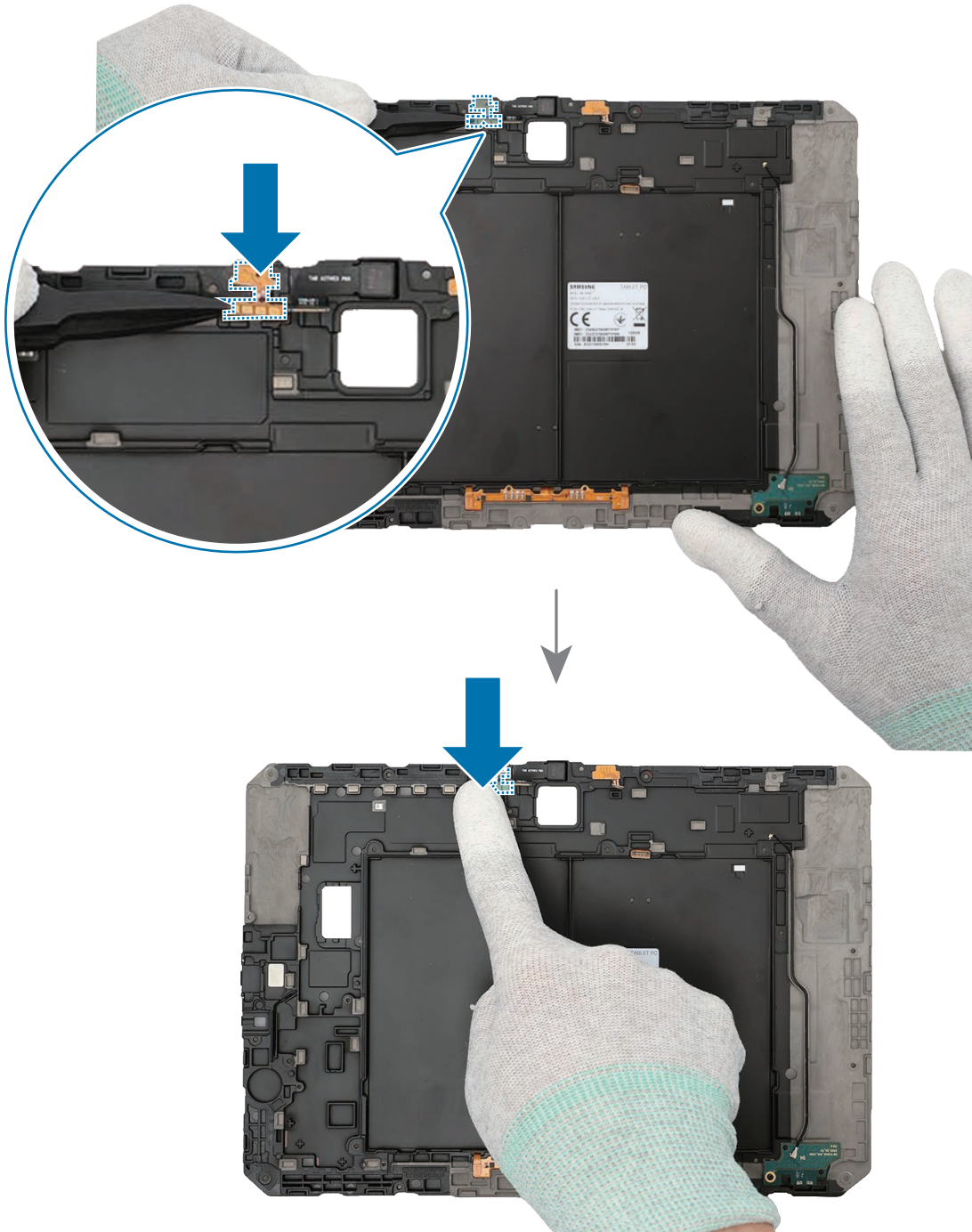
 Leaving screws inside the device may damage internal components, such as the battery. When assembling, be extra careful not to leave any unassembled screws inside the device.

- 1 Using the tweezers, remove all release films of the new microphone.

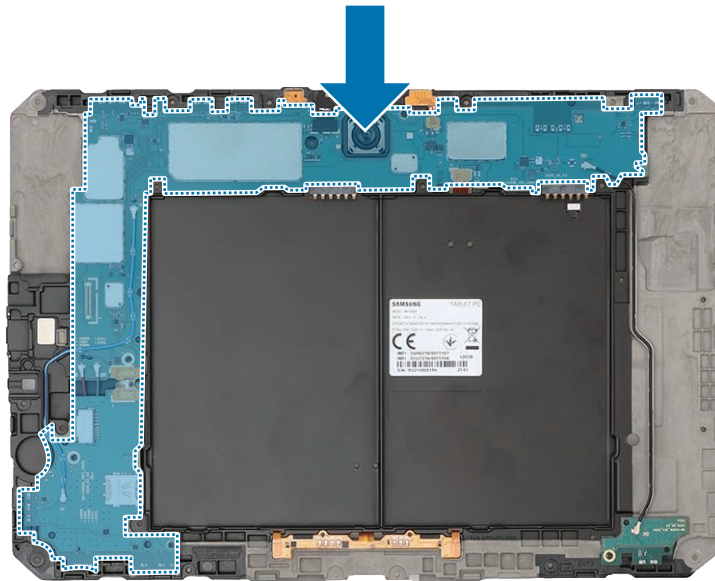


- 2 Using the tweezers, assemble the microphone to the exact position of the bracket and press it with your fingers softly.

⚠ Be careful not to damage the microphone.



- 3 Check for the reassembly steps of the [Rear Camera](#) and completely reassemble the main board and sub PBA.



-  Reassemble the [Bracket](#), [Screen](#), [Battery](#), and [Back Cover](#) to complete assembly.

Charging Port and Right Microphone

 The right microphone is already built into the charging port module.

Disassembly

 Remove the [Back Cover](#), [Battery](#), [Screen](#), and [Bracket](#) first before you begin.

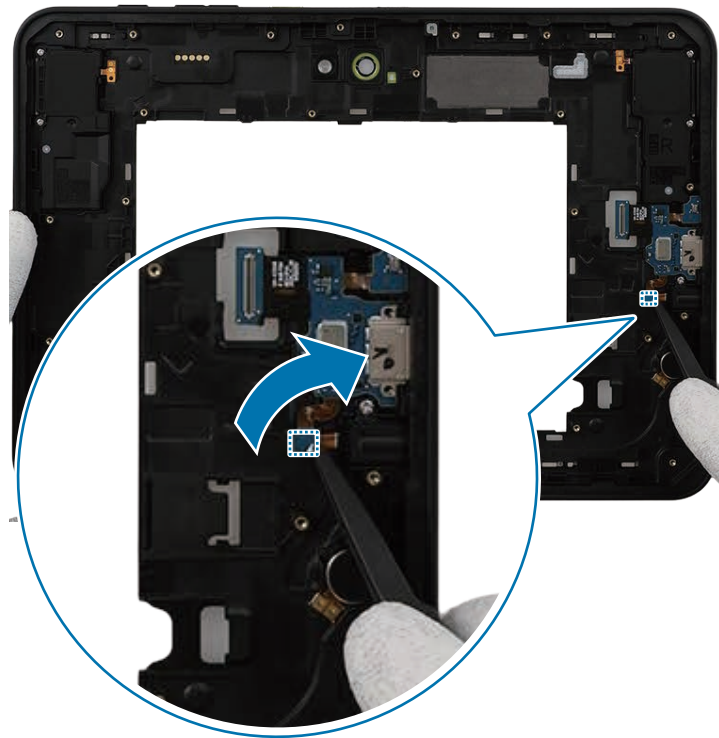
1 Check the 2 screws on the charging port and remove them using a cross-head screwdriver.

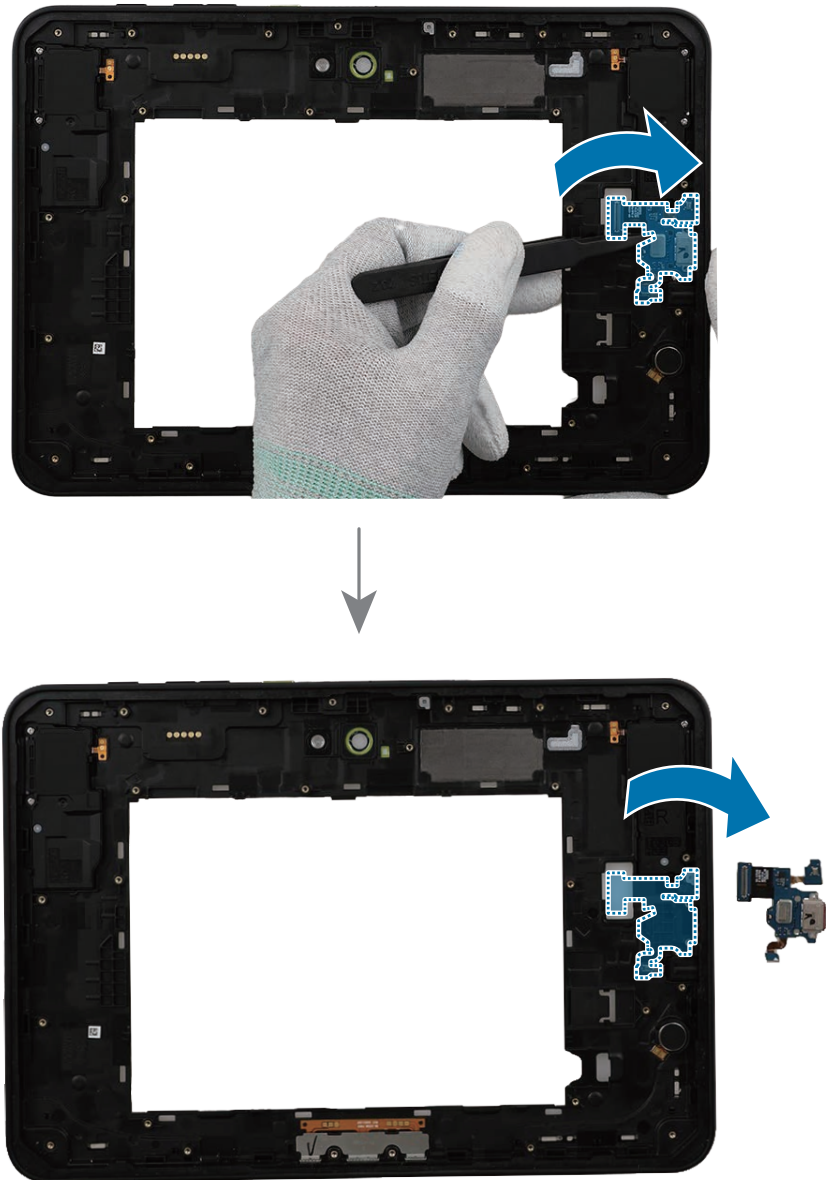
 Be careful not to damage the charging port and near components.

 Check the number of screws that have been removed, and store them carefully to make sure that no unassembled screws are left inside the device during assembly.



- 2 Using the tweezers, disconnect the charging port connector from the headphone jack FPCB. Then, lift up on the separator groove of the charging port module, and remove it carefully.

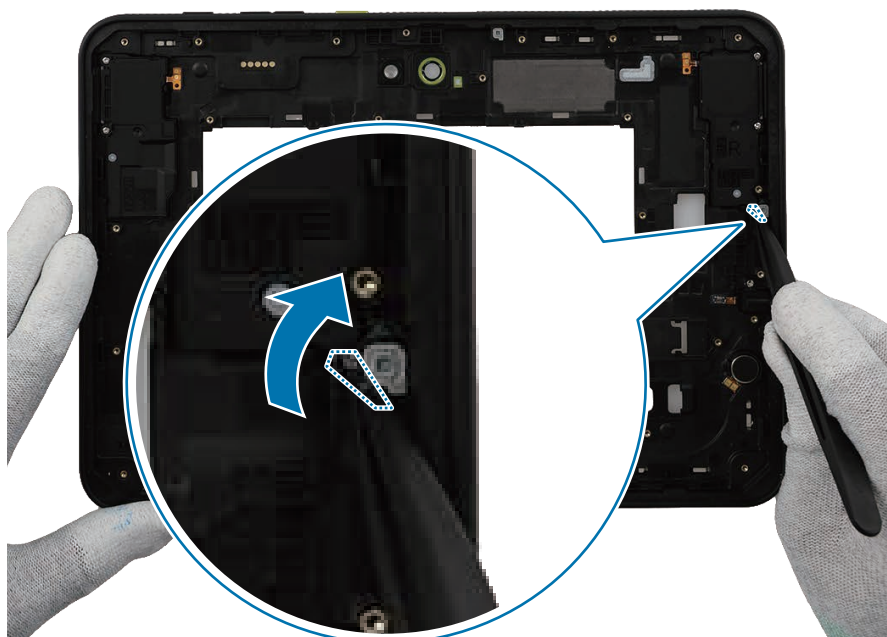




Reassembly

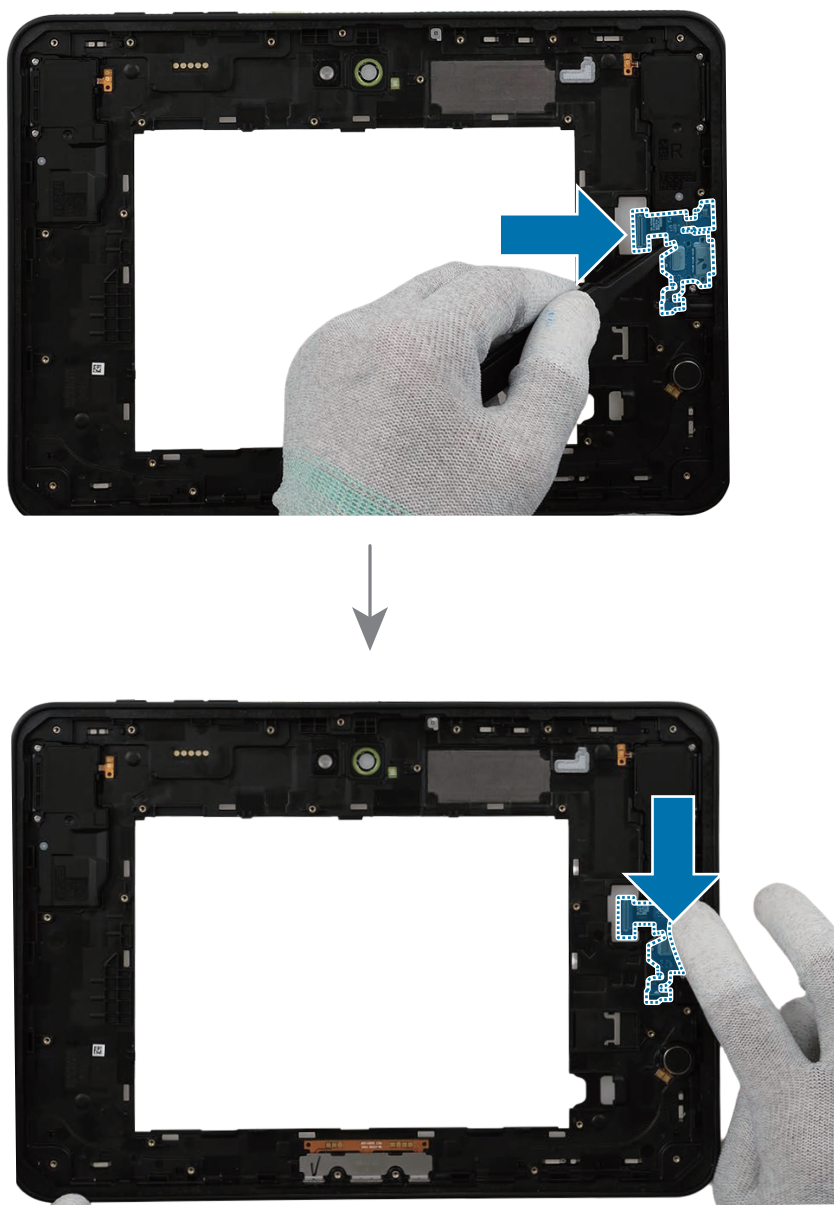
 Leaving screws inside the device may damage internal components, such as the battery. When assembling, be extra careful not to leave any unassembled screws inside the device.

- 1 Using the tweezers, remove the adhesive tape from where the charging port module was attached.

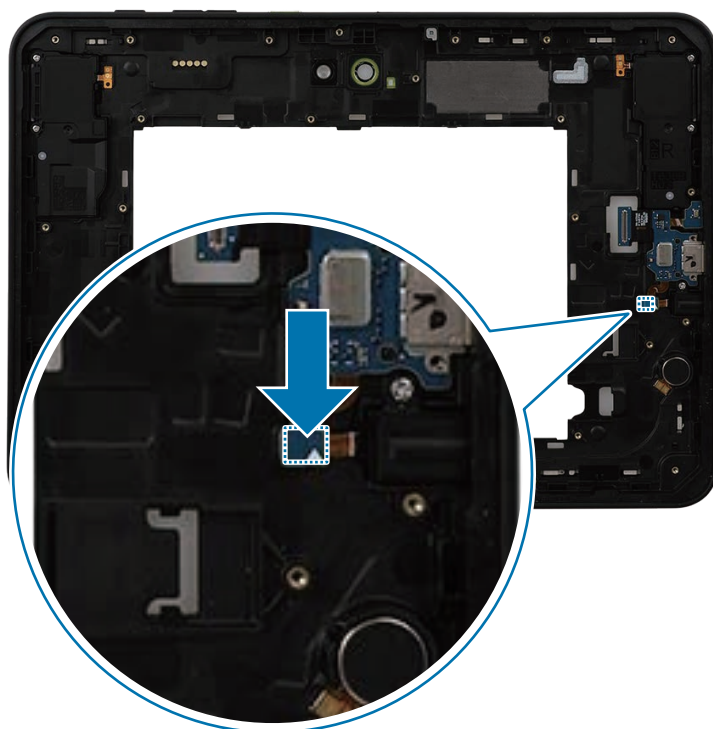


- 2 Using the tweezers, remove the release film of the adhesive tape attached to the new charging port. Using the tweezers, insert the charging port to the exact position and assemble it to the device frame. Press down on it in its position smoothly.

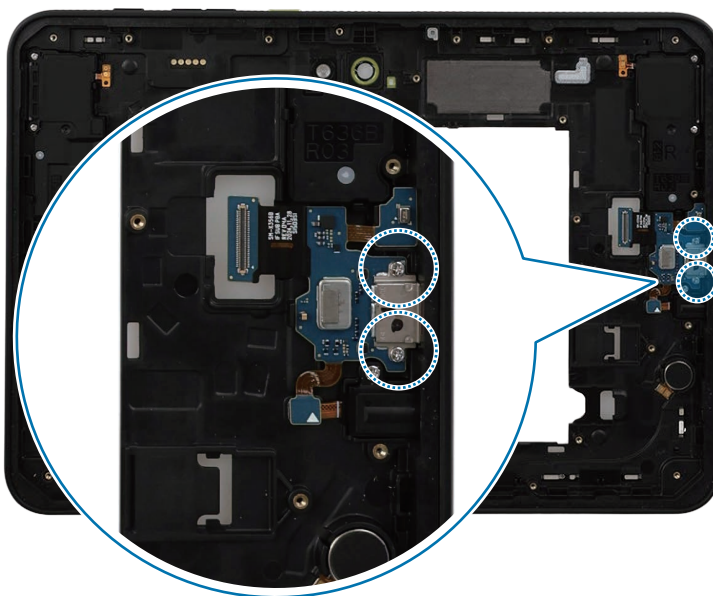
⚠ Be careful not to damage the charging port and near components.



- 3 Connect the charging port connector carefully on the headphone jack FPCB.



- 4 Check the screw 3248 (2 ea) on the charging port module and fasten the screws using a cross-head screwdriver.



-  Reassemble the [Bracket](#), [Screen](#), [Battery](#), and [Back Cover](#) to complete assembly.

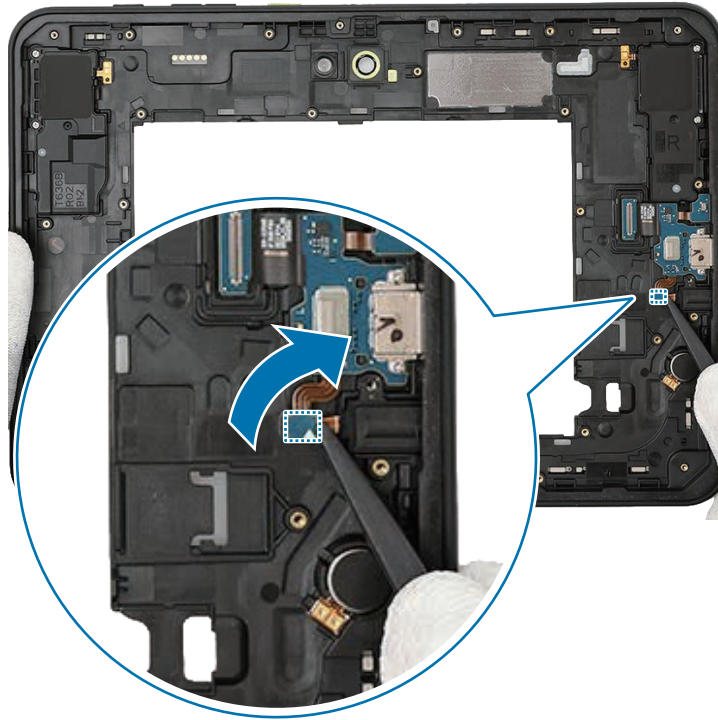
Headphone Jack

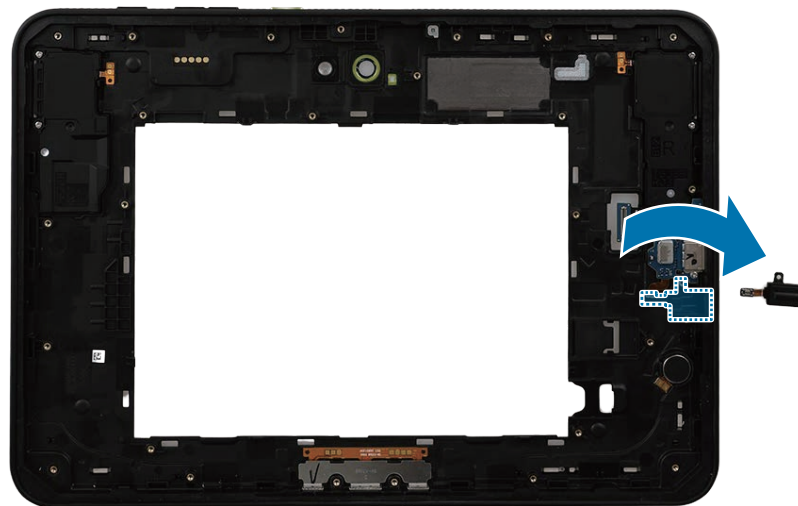
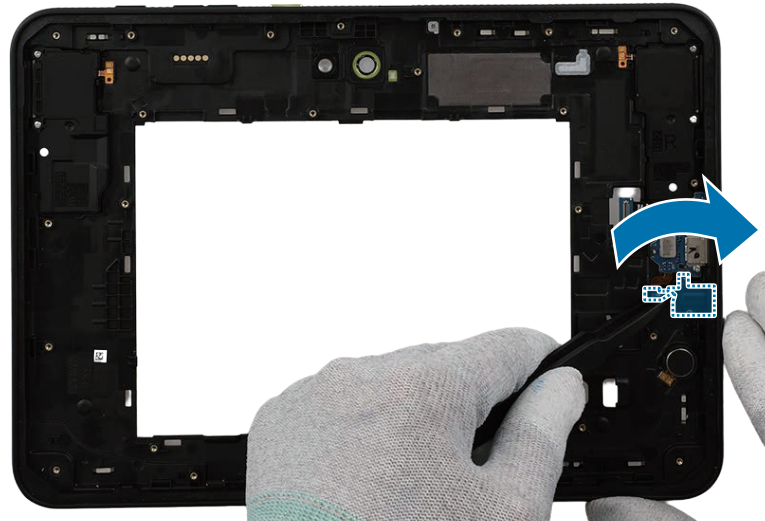
Disassembly

-  Remove the [Back Cover](#), [Battery](#), [Screen](#), and [Bracket](#) first before you begin.
- 1 Check the screw on the headphone jack module and remove it using a cross-head screwdriver.
-  Check the number of screws that have been removed, and store them carefully to make sure that no unassembled screws are left inside the device during assembly.



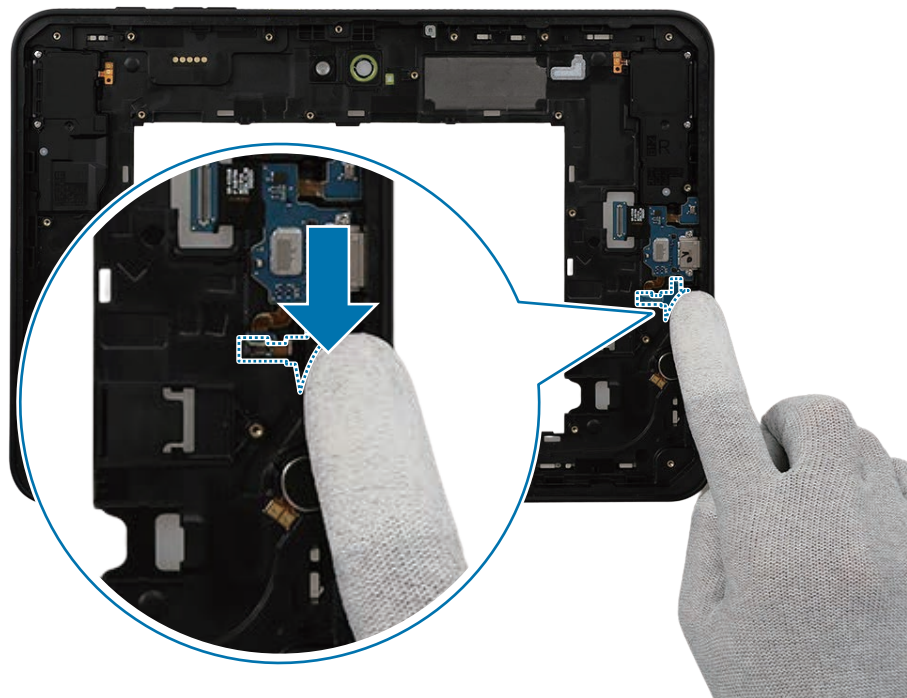
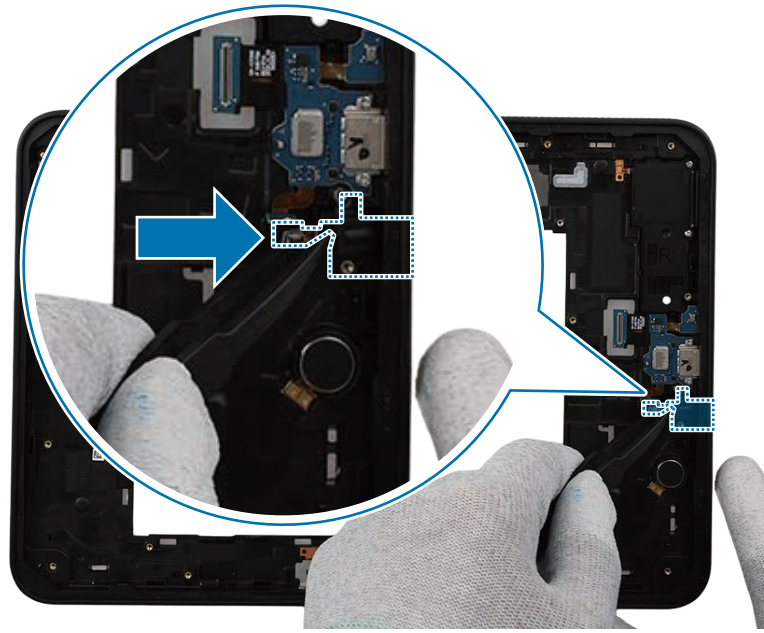
- 2 Using the tweezers, separate the charging port connector from the headphone jack FPCB and remove the headphone jack module carefully from the device.



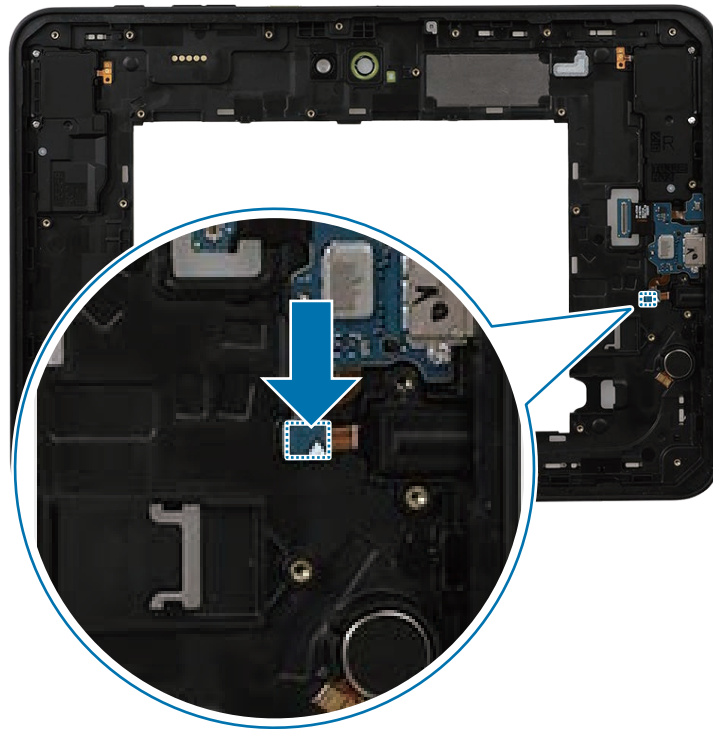


Reassembly

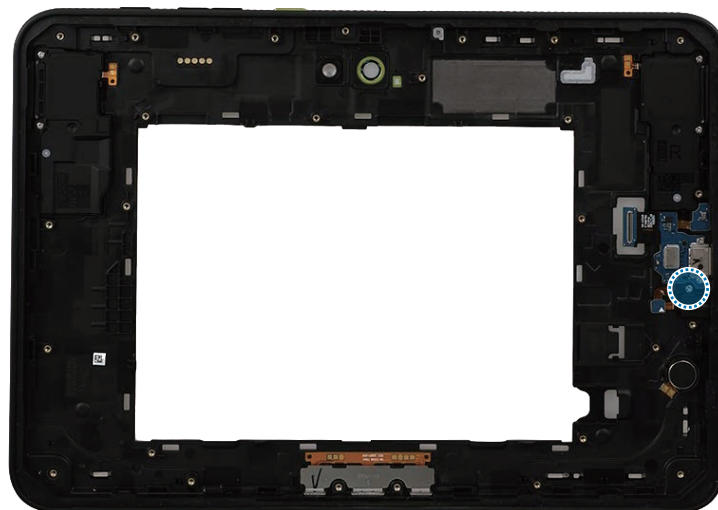
-  Leaving screws inside the device may damage internal components, such as the battery. When assembling, be extra careful not to leave any unassembled screws inside the device.
- 1 Using the tweezers, insert the headphone jack module in the correct position and assemble it. Press down on it in its position smoothly.
-  Be careful not to damage the headphone jack module.



- 2 Connect the charging port connector carefully on the headphone jack FPCB.



- 3 Check the screw 3248 (1 ea) and fasten the screw on the headphone jack module using a cross-head screwdriver.



Reassemble the [Bracket](#), [Screen](#), [Battery](#), and [Back Cover](#) to complete assembly.

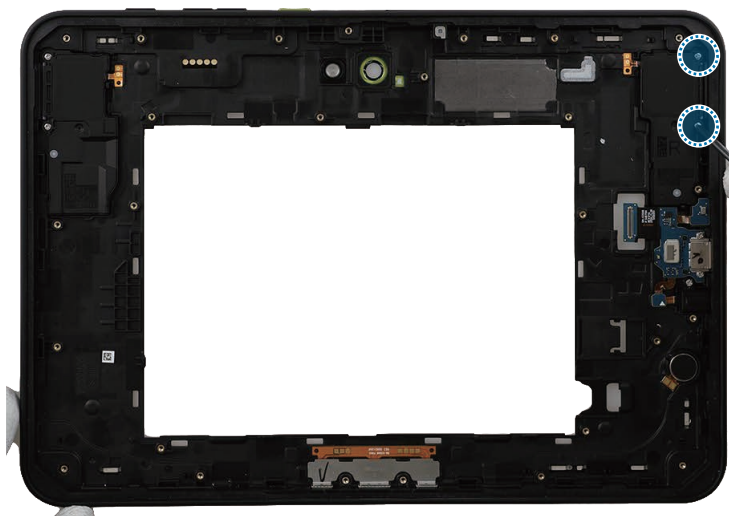
Speaker R

Disassembly

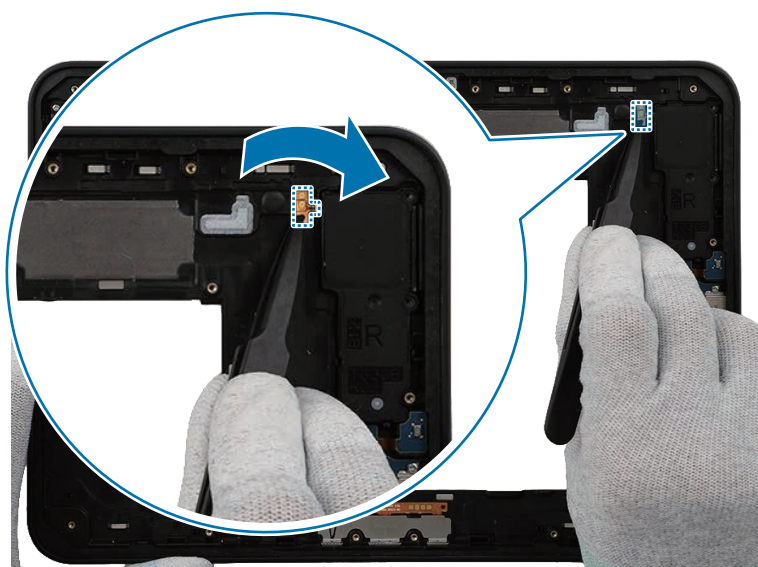
 Remove the [Back Cover](#), [Battery](#), [Screen](#), and [Bracket](#) first before you begin.

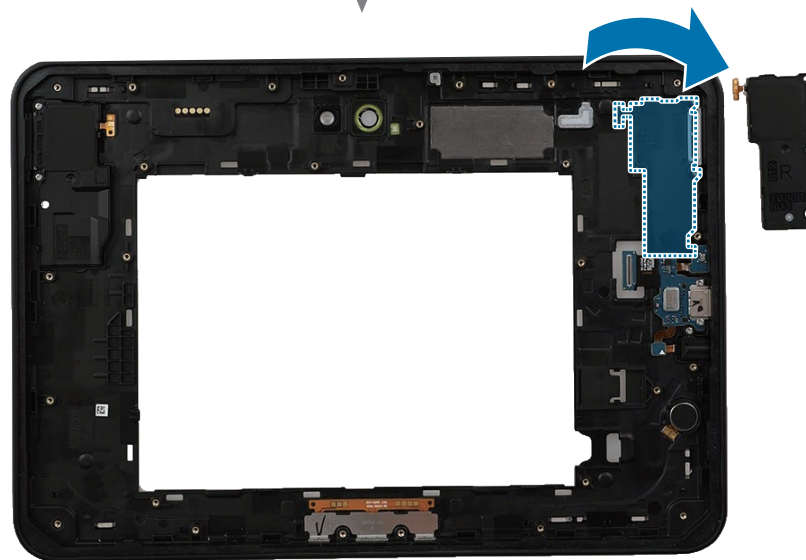
1 Check the 2 screws on the speaker module and remove them using a cross-head screwdriver.

 Check the number of screws that have been removed, and store them carefully to make sure that no unassembled screws are left inside the device during assembly.



2 Using the tweezers, separate the FPCB of the speaker module carefully. Lift up on the separator groove of the speaker and remove it from the device frame.





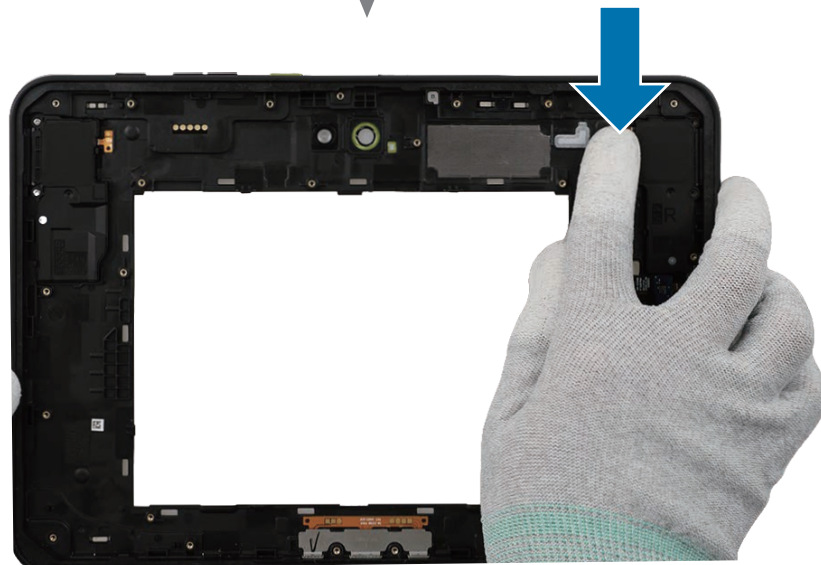
Reassembly

 Leaving screws inside the device may damage internal components, such as the battery. During assembly, be extra careful not to leave any unassembled screws inside the device.

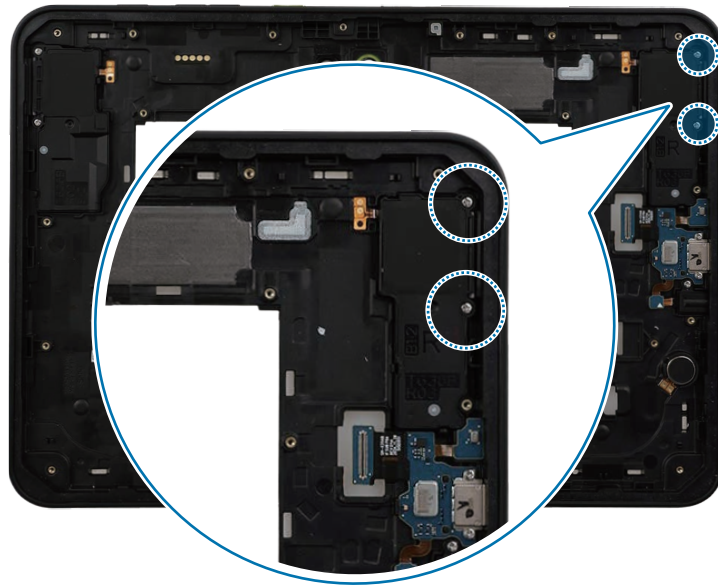
1 Remove all release films from the new speaker module. Place the new speaker module to the exact position, and assemble it to the device frame. Press down softly and evenly on the speaker module so that the speaker module can be completely assembled.

 Be careful not to damage the speaker and near components.





- 2 Check the screw 3248 (2 ea) on the speaker module and fasten them using a cross-head screwdriver.



-  Reassemble the [Bracket](#), [Screen](#), [Battery](#), and [Back Cover](#) to complete assembly.

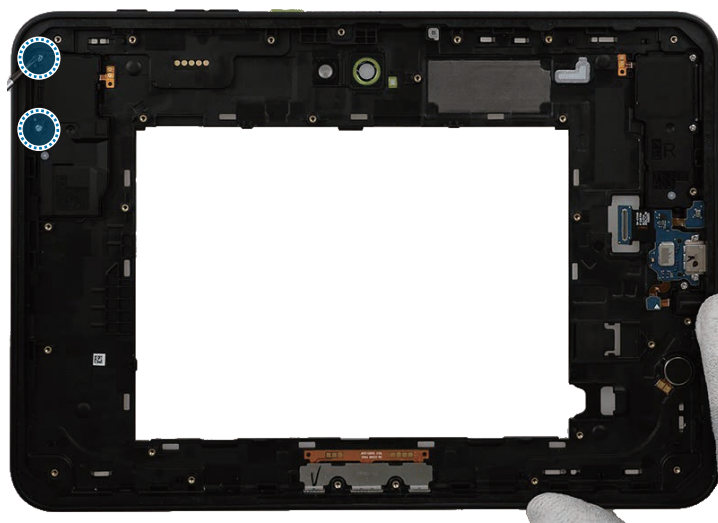
Speaker L

Disassembly

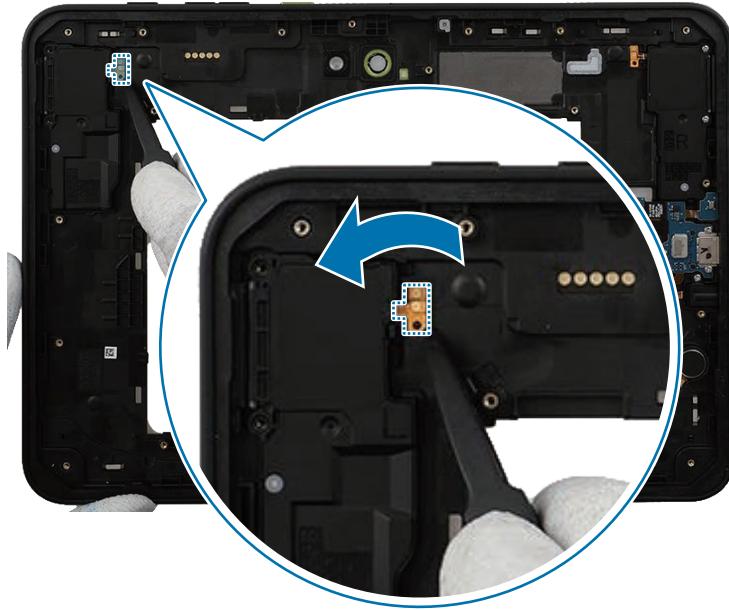
 Remove the [Back Cover](#), [Battery](#), [Screen](#), and [Bracket](#) first before you begin.

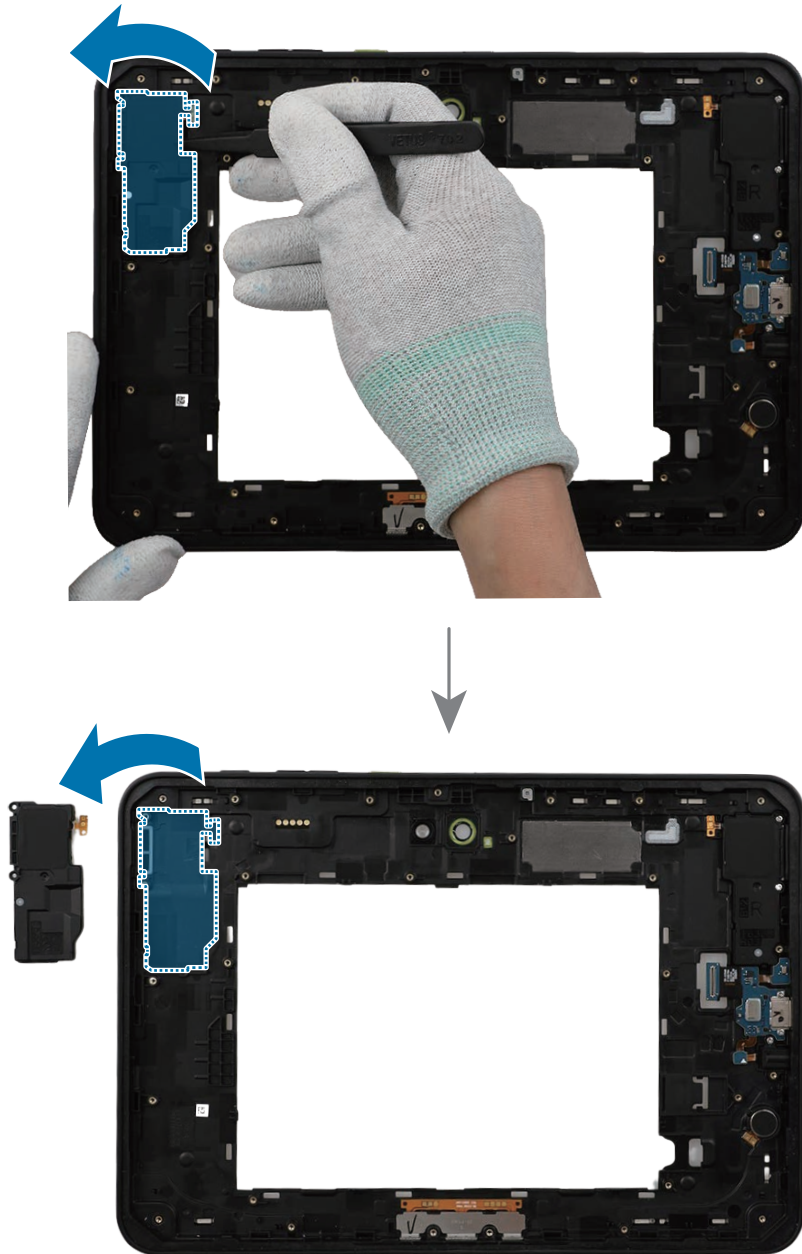
1 Check the 2 screws on the speaker module and remove them using a cross-head screwdriver.

 Check the number of screws that have been removed, and store them carefully to make sure that no unassembled screws are left inside the device during assembly.



- 2 Using the tweezers, separate the FPCB of the speaker module carefully. Lift up on the separator groove of the speaker and remove it from the device frame.





Reassembly

 Leaving screws inside the device may damage internal components, such as the battery. During assembly, be extra careful not to leave any unassembled screws inside the device.

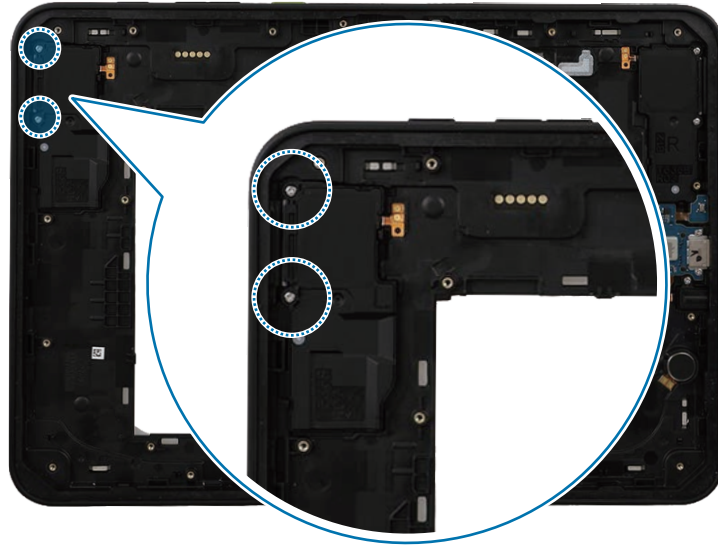
1 Remove all release films from the new speaker module. Place the new speaker module to the exact position, and assemble it to the device frame. Press down softly and evenly on the speaker module so that the speaker module can be completely assembled.

 Be careful not to damage the speaker and near components.





- 2 Check the screw 3248 (2 ea) on the speaker module and fasten them using a cross-head screwdriver.



Reassemble the [Bracket](#), [Screen](#), [Battery](#), and [Back Cover](#) to complete assembly.

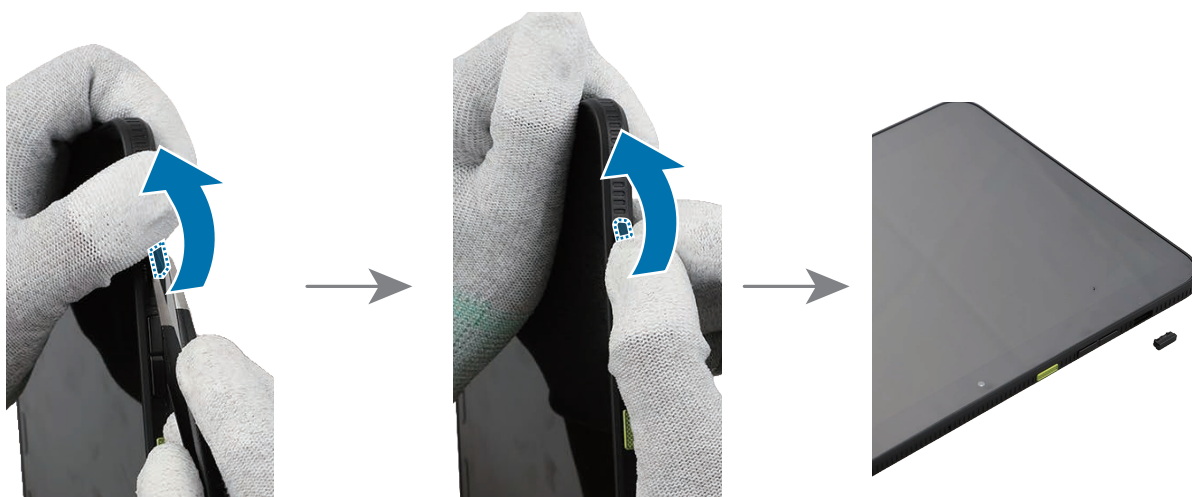
Button

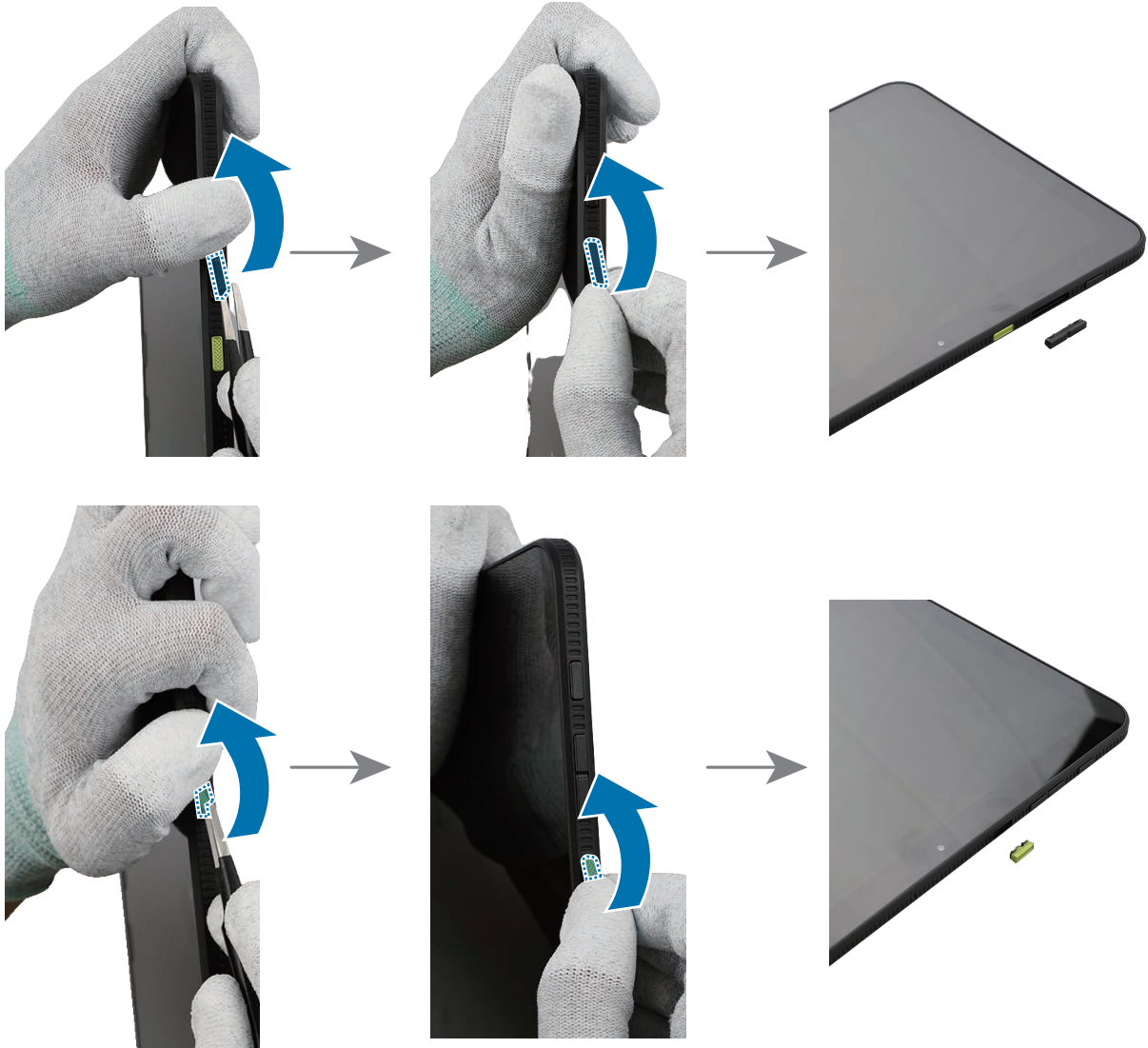
-  The buttons are already built into the device frame. Disassemble the buttons only if the buttons themselves require repairs.

Disassembly

To remove the Volume button, Side button, or Active button, lightly press one end of the button with your fingers so that the other end protrudes. Push the tip of the protruding button up carefully with the round-tip metal tweezers and lift it up until you can grab it with your fingers. Grab the button with your fingers and pull it out carefully from the device.

-  When holding the buttons with the tweezers, be careful not to damage or scratch the device.
-  If you have trouble separating the buttons with your tweezers, please try using a sharper and thinner tool.





Reassembly

 Leaving screws inside the device may damage internal components, such as the battery. During assembly, be extra careful not to leave any unassembled screws inside the device.

1 Remove the release film of the new Side button. Using your fingers, grab the Side button and insert it on the slot carefully.

 Be careful not to damage the button and device.



2 Press down the Side button softly and evenly so that the button can be completely assembled. Press the button to make sure it clicks. It should have the same sound and feel as before disassembly.



- 3 Remove the release film of the new Volume button. Using your fingers, grab the Volume button and insert it on the slot carefully.

⚠ Be careful not to damage the button and device.



- 4 Press down the Volume button softly and evenly so that the button can be completely assembled. Press the button to make sure it clicks. It should have the same sound and feel as before disassembly.



- 5 Remove the release film of the new Active button. Using your fingers, grab the Active button and insert it on the slot carefully.

⚠ Be careful not to damage the button and device.



- 6 Press down the Active button softly and evenly so that the button can be completely assembled. Press the button to make sure it clicks. It should have the same sound and feel as before disassembly.

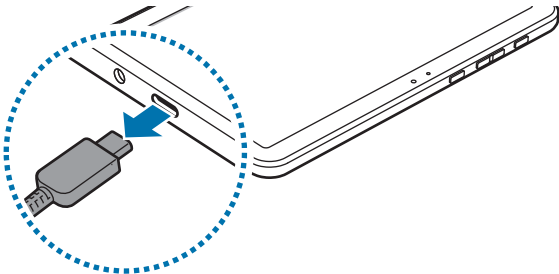


After reassembling

- Check whether the parts or sensors in the device work properly with the Self Repair Assistant app after repairing and assembling your device. Refer to [Calibrations](#) for more information.
- Visit a Samsung Service Centre when finding some issues from the calibration results. However, you may incur additional charges if the device has a malfunction because of DIY repairs.

Directive 2012/19/EU Annex VII Components

Directive 2012/19/EU Annex VII requirements apply to the following components.

Component	Samsung Part Name	Removal Instructions
Printed circuit board if the surface is greater than 10 square centimetres	Main Board (PBA)	Check for the disassembly steps of the Rear Camera and separate the main board.
Liquid crystal display of a surface greater than 100 square centimetres and all those back-lighted with gas discharge lamps	Screen	Check for the disassembly steps of the Screen and separate the screen.
Battery	Battery	Check for the disassembly steps of the Battery and separate the battery.
		Disconnect the USB cable.
External electric cable	USB Cable	

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[TAB ACTIVE5 PRO] Block Diagram

