Pixel 11 Pro Fold

repair manual

Version 1.1, 2026

Google recommends that you seek professional assistance for all device repairs.

Self service repair isn't recommended unless you are an adult with the technical expertise to safely repair electronic devices. If you choose to perform self repair, you agree to assume the risk associated with such repair.



Use caution if you engage in repair.

When you open or repair your device, be careful of electric shock, device damage, fire and personal injury risks, and other hazards. Before you service the product, read the full set of precautions in this document.

Welcome!

We are here to help.

At Google, we innovate, design, and build to create helpful and sustainable products. Product longevity is important to us and repairability is part of that. Repair enables our products to stay in-use and out of landfills.

If you have any questions or need support, please reach out.

support.google.com

This manual is organized into sections for easy and intuitive navigation.

Precautions

Safety is a top priority for Google. Users should work in a safe environment and have the necessary skills and training to complete the repairs safely.

Repair flows

Here, we have a flow chart of the most efficient repair methods.

Disassembly

Each section contains a list, in the order of device disassembly, of prerequisite steps, tools, fixtures, and parts to complete the repair.

Assembly

For each disassembly, we provide a guide to reassemble. This might include rework steps for certain components.

Troubleshooting and software

Use the diagnostic steps and tests recommended in this section to identify the source of device problems and issues.

Glossary

All the terms and acronyms you need to communicate with the same language.

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- Electrical precautions
- Battery conditions
- Battery handling
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- Tools and fixtures
- Laser product
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- Screen calibration
- ESD protection
- Liquid damage indicators
- Turning pixel on and off
- Tools and fixtures
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User PF repair

- Inner display protective film
- Inner display trim

Repair flows

- Disassembly order
- Assembly order

Disassembly-base

- BC (back cover) sub
- Vibrator
- mmWave module and IF FPC
- Inner front camera
- Bottom speaker
- Logic board
- Rear camera
- Base battery
- ID (inner display) sub

Assembly-base

- ID (inner display) sub
- Rear camera
- Logic board
- mmWave module and IF FPC
- Bottom speaker
- Base battery
- Vibrator with cowling
- Inner front camera
- BC (back glass) sub

Disassembly-flip

- OD (outer display) sub
- Lower board
- Outer front camera
- Top speaker with NFC FPCA
- Upper board
- Flip battery
- ID (inner display) sub

Assembly-flip

- ID (inner display) sub
- Lower board
- Upper board
- Top speaker with NFC FPCA
- Outer front camera
- Flip battery
- OD (outer display) sub

Table of contents (continued)

Troubleshooting

- Connectors location
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- Mic 1
- Mic 2
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- Top speaker
- Bottom speaker
- Vibrator
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- Outer display touch panel
- RF (BT, Wi-Fi, GPS, NFC)
- Battery
- SIM
- Sensor
- FPS (power button)
- Volume button
- Rear camera
- Outer front camera
- Inner front camera
- USB
- mmWave
- Inner display
- Inner display touch panel
- UWB
- Hinge

Software

- Software tools

Revision history

Version	Date	Change description
v1.0	June, 2026	First release
v1.1	July, 2026	1. Overall tech writer review to revise some of typo, wording and add more acronym or term. P37 2. Update the note to provide more information about Rcam PSA application. P132 3. Update the notes of RCAM liner. P179 4. Correct thermal grease alignment GPN from G940-01182-01 to G940-01182-00 and update the picture. P20 5. Update thermal grease alignment fixture picture. P139, P140 6. Revise the IPA to be Ethanol for cleaning.



Pixel 11 Pro Fold repair manual

Precautions

Important: Before you begin



Be careful if you engage in repair

When you open or repair a device, be careful of electric shock, device damage, fire and personal injury risks, and other hazards.

Always perform repairs in a clean work space with good ventilation and no combustible materials.

Make sure that there are no additional screws or small parts left in the device after assembly.

Before you service the product, read the full set of precautions in this document.



Use caution:
Batteries should be carefully handled, and could be dangerous when damaged

- Fully discharge device battery before you attempt repair.
- Never bend, dent, puncture, or use tools to pry the battery.
- Store batteries in the replacement part packaging as soon as possible after removal to prevent damage.
- If a battery begins to vent, cover it in sand or use gloves and tongs to keep the battery in a fire safe container as soon as possible.
- Take care to prevent shorting of battery terminals or damage of the battery, as it could result in fire or overheating.
- Dispose of the battery according to local regulations.



Use caution
Pixel 11 Pro Fold contains a class 1 laser module

The design of the device incorporates optics and protective housing such that there's no access to a level of laser radiation above class 1 during normal use or approved servicing.

Use of controls or adjustments and performance of procedures other than those specified herein might result in hazardous radiation exposure.

Important: Before you begin

Use caution
Part handling – glass

- Wear protective gloves and safety glasses when you handle damaged parts.
- Use protective film when you remove damaged parts.
- After removal, store the damaged part in the replacement part packaging as soon as possible to prevent injury.

Tools and fixtures

The use of Google-authorized tools and fixtures is **strongly recommended** to repair a device in a safe and effective manner.

Use caution:

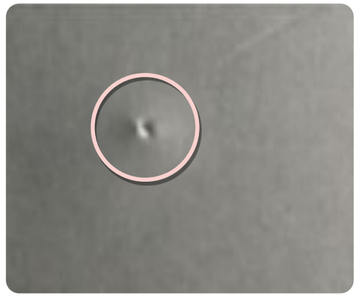
- We *don't* recommend that you perform repairs without the specified tools and fixtures.
- Improper use of tools and fixtures might result in injury to yourself, the user of the device or other third parties, along with damage to the product, tools, fixtures, replacement parts, or other spare parts.

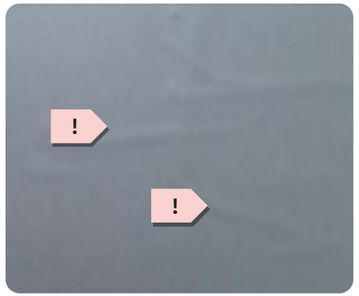
Important:
Before you disassemble the device

- Disconnect the device from all power sources before any disassembly.
- Make sure that the battery is fully discharged before any disassembly.
- If the phone battery shows signs of swelling or damage, or if the phone feels hot or emits a strong odor, *don't* attempt disassembly. Please reach out to Google customer support.
- Take care not to expose the phone or its components to liquids after disassembly.

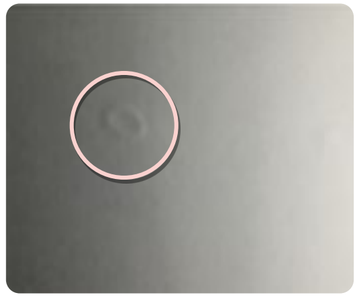
Use caution ⚠

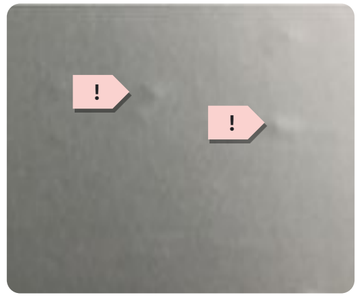
Examples of unacceptable battery conditions that aren't suitable for repair*

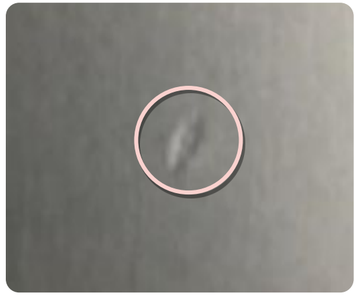

Pouch damage


Line protrusion

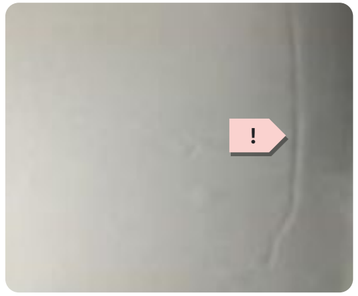

Scratch

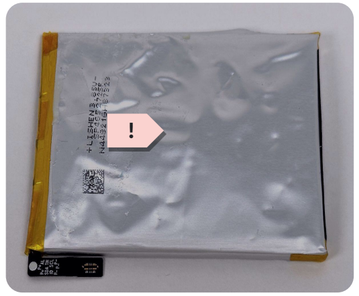

Contamination mark


Dot protrusion


Dent


Bubbling


Imprinted line


Swelling or electrolyte leakage

*These are examples of potentially dangerous battery conditions but *don't* reflect all possible dangerous conditions. Please follow the general safety guidance outlined in this document.

Pixel 11 Pro Fold repair manual

Introduction

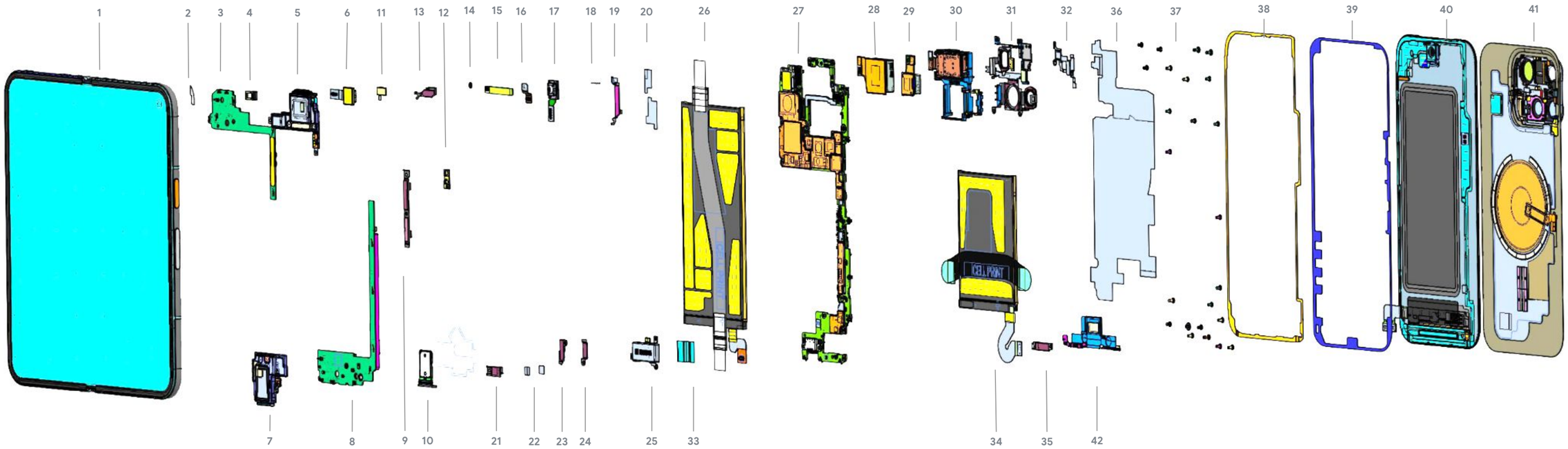
Expanded views
Screw map
Screen calibration
ESD protection
Liquid damage indicators
Turn the Pixel on and off
Tools and fixtures
Replacement parts
Glossary

Pixel 11 Pro Fold part ID

Pixel 11 Pro Fold: Expanded view

Reuse indications

- Reusable without rework
- Reusable with rework
- Not reusable after disassembly



1	ID(inner display) sub	7	Bottom speaker	13	Base bottom cowling	19	Base right cowling	25	Vibrator	31	Base cowling	37	Screws
2	Magnet PSA	8	Lower board	14	Screw stopper	20	Conductive fabric_RCAM	26	Flip battery	32	BC cowling	38	OD(outer display) PSA
3	Upper board	9	Flip bridge cowling	15	mmWave module	21	OD cowling	27	Logic board	33	Conductive fabric_ID	39	BC(back cover) PSA
4	PL rubber	10	SIM tray	16	IF FPC	22	FPS mylar	28	Rear camera_WIDE	34	Base battery	40	OD(outer display) sub
5	Top speaker w/ NFC FPCA	11	FCAM cowling	17	Inner FCAM	23	ID cowling	29	Rear camera_UW	35	Flip battery cowling	41	BC (back cover) sub
6	Outer FCAM	12	Screw support rubber	18	Cable PSA	24	Base battery cowling	30	Rear camera_tele	36	Graphite sheet	42	OD DDIC rubber

Screw map

These are the screws used in the Pixel 11 Pro Fold:

Screw	Screw	Screw	Screw	Screw
G250-08269-00	G250-08270-00	G250-08271-00	G250-08272-00	G250-08273-00
				

Screw	Screw	Screw
G250-08274-00	G250-08301-00	G250-08559-00
		

◯ - Not hidden ◌ - Hidden



Screws are a single use item

Screws are a single use item and if removed from the device, they should be replaced with a new screw.

Torque spec: (0.9, or 1.2) ±0.05kgf-cm

After removal, always replace with a new screw

Each screw is critical to the safe continued operation of the phone. As the thread locking adhesive can't be reactivated, always replace it with a new screw after removal.

Inner display touch screen calibration process

Important!

Complete the following before you boot up the device:

- Except for the inner display **pre-installed user protective film**, nothing should touch the inner display. This includes protective films, cases, fingers, tape, labels, scratch covers, adhesives, and debris.
- The device should be in **unfold** mode and open completely.
- The device should be on a flat surface. *Don't* hold it in your hands.

After the above conditions are met, press the power button and power on the device. *Don't* touch the device until it's fully booted into the user operating system.



Display touch calibration

After any repair that requires you to open the phone, complete the display touch calibration during first boot.

Touch function

If this process isn't followed, the touch function of the screen might not work as intended.

ESD protection

Electro Static Discharge (ESD) could damage components, so it's important to work in an ESD-safe environment during repair.

Follow these four steps to keep ESD safe:

Stay grounded

Carry out repairs on an ESD mat, and the person who repairs the device should wear a grounded ESD strap.

Avoid static buildup

Don't wear synthetic fibers such as fleeces that could generate static.

Protective bags

Pack all ESD-sensitive parts in metalized protective bags during shipping.

Avoid touching the pins

Use ESD-safe tools to handle components to avoid touching the pins.

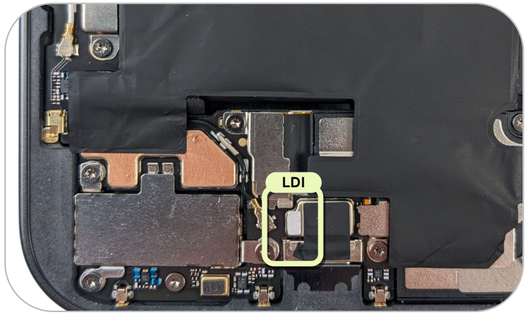
Did you know?

ESD is the sudden flow of electricity through two electrically charged objects. For example, ESD is a shock you feel when you walk on a carpet, and then touch a metal door handle.

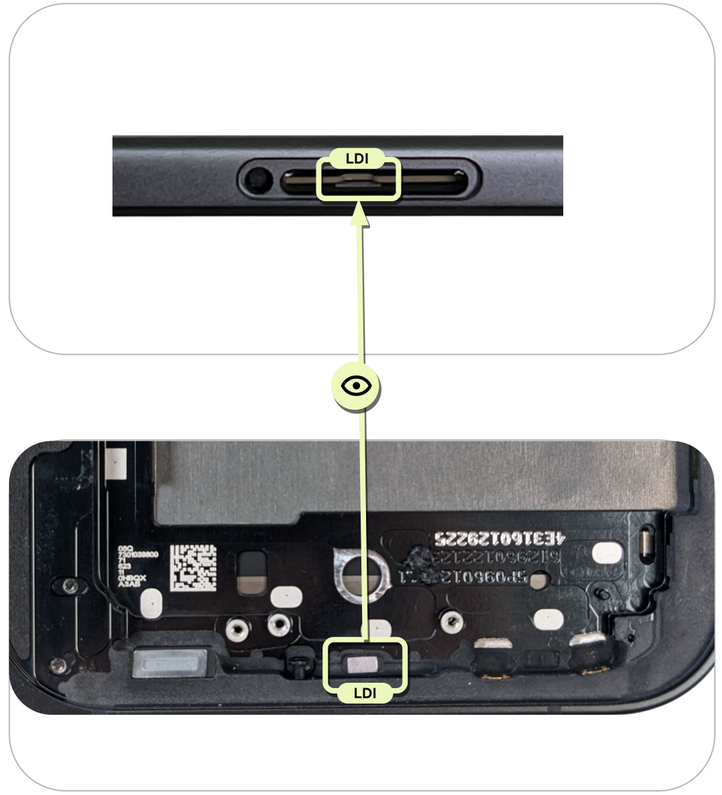
Liquid damage indicators

Liquid Damage Indicators (LDI) are strips that change colors when a phone has been exposed to water or other liquids.

- Exposure to liquids could lead to the device malfunctioning, such as overheating or short circuits.
- There are **two LDIs** on this device.
- If either indicator has turned red, the device is considered to have been exposed to liquid.



On the logic board, near the charging port.



The SIM card tray on the flip enclosure is visible without disassembly of the device.

Turn the Pixel on and off

Turn the power on or off

- To turn on a device when it's powered off, press and hold the power button for a few seconds. See where the power button is located.
- To power off the phone:
  - Press and hold the power and volume up buttons for a few seconds. Then, tap **Power off** on screen.
  - For more information, see Google help page.

Tip: Before you turn on the phone, charge it. Learn how to charge.

Turn screen off and back on

- To turn the screen on and off when the phone is turned on, press the power button once.

Tip: On some Pixel phones, you could see the time and some other information even when the screen is off. Learn which Pixel phones and how to turn **Always show time and info** off or on.

Restart or reboot

1. On most phones, press the phone's Power button for about 30 seconds, or until the phone restarts.
2. On the screen, you might need to tap **Restart**.

Tools and fixtures

The use of Google-authorized tools and fixtures is strongly recommended to repair a device in a safe and effective manner.

Use caution

- We *don't* recommend that you perform repairs without the specified tools and fixtures.
- Improper use of tools and fixtures might result in injury to yourself, the user of the device, or other third parties, along with the damage to the product, tools, fixtures, replacement parts, or other spare parts.

Tools and fixtures

Google-approved fixtures: Pixel 11 Pro Fold

Google-approved fixtures are Google-tested and are strongly encouraged to ensure high quality and safe repairs.

Universal press
G940-00733-00



Universal press plate 12 mm
G940-00736-00



Universal base plate 12 mm
G940-00833-01



Universal large scraper
G940-00850-00



Pixel universal disassembly fixture V3 - base
G940-00873-00



Pixel 10 Pro Fold spare device clip - universal daisy fixture V3
G940-01029-00



Universal holder #2
G940-01014-00



Universal holder limiting block #2
G940-01016-00



Universal supporting rubber #2
G940-01015-00



Universal ID PF or trim supporting rubber
G940-01022-00



Tools and fixtures

Google-approved fixtures: Pixel 11 Pro Fold

Google-approved fixtures are Google-tested and are strongly encouraged to ensure high quality and safe repairs.

Pixel 11 Pro Fold fixture, battery press rubber (base side)

G940-01176-00



Pixel 11 Pro Fold fixture, battery press rubber (flip side)

G940-01177-00



Pixel 11 Pro Fold BC press rubber

G940-01178-00



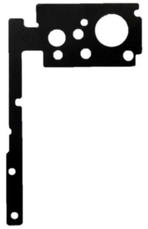
Pixel 11 Pro Fold OD press rubber

G940-01179-00



Pixel 11 Pro Fold fixture, thermal grease alignment

G940-01182-00



Tools and fixtures

Standard tools

Standard tools are suggested to ensure high quality and safe repairs. These items *don't* need to be purchased from a Google-recommended supplier.

ESD wristband



ESD mat

ESD spudger

Plastic



ESD tweezers

Plastic



Opening pick

Plastic



Large suction cup

Approximately 5 cm diameter



Screwdriver

Hex shank torx plus bit 3



Adjustable torque screwdriver

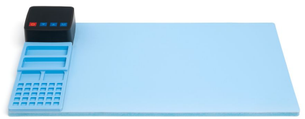
Hex shank torx plus bit 3



SIM card ejection pin



Heat plate

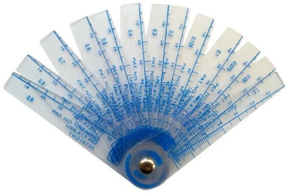


Absorption-bulb



Feeler gauge

Help with upper or lower board disassembly



Tools and fixtures

Standard consumables

Standard consumables are suggested to ensure high quality and safe repairs.
These items *don't* need to be purchased from a Google-recommended supplier.

Ethanol



3M AP111 primer



Sankol lubricant CFD 409Z_v2



Anti-static ESD gloves



Finger cots



Dust-free cotton swabs



Dust-free cloth



Protective film



Masking tape

Help with battery disassembly.



Screen protector accessories



Kapton tape

Help with battery disassembly.



Tools and fixtures

Safety items

Safety items are suggested to ensure high quality and safe repairs. These items *don't* need to be purchased from a Google-recommended supplier.

Safety glasses



Heat resistant protective gloves



Cut resistant protective gloves



Nitrile or lint-free gloves



Sand bucket



Replacement parts

Important notice about replacement parts

- The use of Google-authorized replacement parts is strongly recommended.
- Performance within product specifications can’t be assured if Google-authorized replacement parts aren’t used.

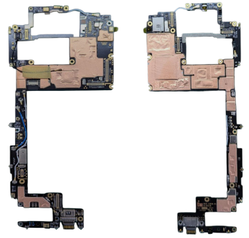
Use caution

Use of replacement parts other than Google-authorized replacement parts, such as aftermarket batteries, might impact device safety, reliability, and performance.

Replacement parts

Reuse indications — Reusable without cleaning | Reusable after cleaning | Not reusable after disassembly

Logic board
Multiple part numbers



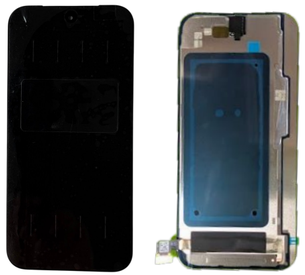
Inner display sub
Multiple part numbers



BC sub
Multiple part numbers



Outer display
G949-01689-00



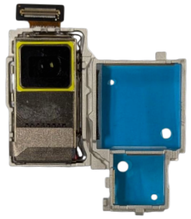
Outer FCAM
G949-01690-00



Inner FCAM
G949-01691-00



Rear camera_tele
G949-01692-00



Rear camera_UW
G949-01693-00



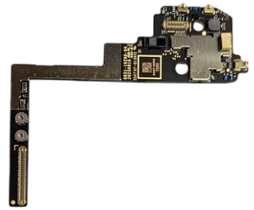
Rear camera_WIDE
G949-01694-00



Lower board
G949-01695-00



Upper board
G949-01696-00



Top speaker with NFC FPCA
G949-01697-00



Replacement parts

Reuse indications — Reusable without cleaning | Reusable after cleaning | Not reusable after disassembly

Flip battery
Multiple part numbers



Base battery
Multiple part numbers



Sidekey module
(included in inner display sub)
G949-01702-00



OD DDIC rubber
G804-01432-00



Screw support rubber
G804-01468-00



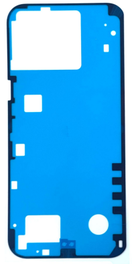
PL rubber
G806-15706-00



Screw stopper
G852-05823-00



BC PSA
G806-15777-00



OD PSA
G806-16049-01



FPS mylar
G806-19665-00



Cable PSA
G806-18431-00



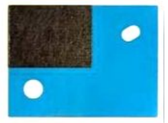
Conductive fabric_RCAM
G806-18180-00



Replacement parts

Reuse indications — Reusable without cleaning | Reusable after cleaning | Not reusable after disassembly

Conductive fabric_ID flex
G806-17962-00



Magnet PSA
G806-18283-00



Thermal graphite
G864-01138-00



Vibrator
G690-12646-00



mmWave module
G345-01666-00



IF FPC
G652-10607-02



Screw
G250-08269-00



Screw
G250-08270-00



Screw
G250-08271-00



Screw
G250-08272-00



Screw
G250-08273-00



Screw
G250-08274-00



Replacement parts

Reuse indications — Reusable without cleaning | Reusable after cleaning | Not reusable after disassembly

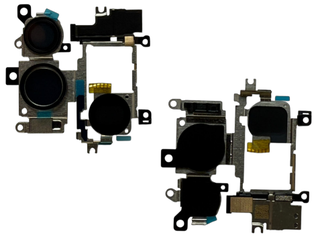
Screw
G250-08301-00



Screw
G250-08559-00



Base cowling
G730-10300-00



BC cowling
G730-10301-01



Base right bridge cowling
G730-10302-00



Base bottom bridge cowling
G730-10303-01



Base battery cowling
G730-10304-01



Flip FCAM cowling
G730-10305-01



Flip bridge cowling
G730-10306-00



Flip battery cowling
G730-10307-00



OD cowling
G730-10308-00



ID cowling
G730-10353-00



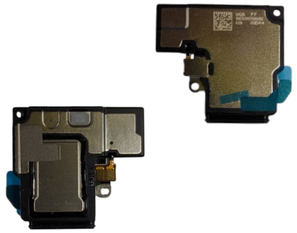
Replacement parts

Reuse indications — Reusable without cleaning | Reusable after cleaning | Not reusable after disassembly

SIM tray
Multiple part numbers



Bottom speaker
G863-00708-00



*Material expires

Thermal grease*
G160-01058-00



mmWave thermal pad
G864-01146-00



Coaxial cable_RCAM
G821-01223-00



Flam flex CPSA
G806-15869-00



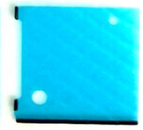
Bottom speaker CPSA
G806-15939-00



Conductive tape
G806-15882-00



WideCAM foam
G806-15954-00



UWCAM foam
G806-15955-00



Mic 3 membrane
G806-15892-00



Mic 1 membrane
G806-15893-00



Replacement parts

Reuse indications — Reusable without cleaning | Reusable after cleaning | Not reusable after disassembly

Mic mesh
G806-15917-00



Inner FCAM foam
G806-15941-00



Sidekey flex wall CPSA_down
G806-16121-00



Sidekey flex CPSA_down
G806-16120-00



Sidekey flex CPSA_up
G806-15702-00



Sidekey flex wall CPSA_up
G806-15703-00



FPS flex CPSA
G806-15992-00



OD hinge FOF
G806-16037-00



Flip bottom FOF
G806-15708-00



OD hinge sponge
G806-16046-00



Flam flex PSA
G806-15870-00



Top speaker CPSA
G806-15885-00



Replacement parts

Reuse indications — Reusable without cleaning | Reusable after cleaning | Not reusable after disassembly

Flip bottom PSA
G806-17501-01



Side wall Kapton
G806-18160-00



Pull jacket
G806-15967-00



Outer FCAM cowling PSA
G806-15965-00



FPS flex PSA
G806-16213-00



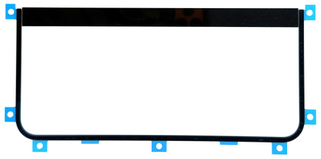
User PF
G806-17534-99



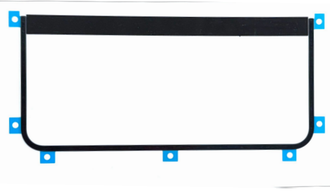
Guide sticker
G806-13134-00



Trim base
G730-10885-00



Trim flip
G730-10884-00



Rear camera_WIDE
G806-14592-00



Rear camera_UW
G806-14593-00



Rear camera_tele
G806-14594-00



Glossary

Glossary

Acronym or term	Definition
ESD	**Electro Static Discharge** The sudden flow of electricity through two electrically charged objects.
FPC/ FPCA	**Flexible Printed Circuit/ Flexible Printed Circuit Assembly** A type of low profile and flexible printed circuit.
OLED	**Organic Light-Emitting Diode** A type of flat panel display with an OLED to show images.
mmWave	**Millimeter Wave** The radio waves used to build a 5G network, to provide fast, reliable mobile data.
Sub6	**Sub-6 GHz** Refers to mid- and low-frequency bands under 6 GHz.
NG	**Not Good. Usually refers to a condition that isn't acceptable.**
SBOM	**Service Bill of Materials**

Glossary

Acronym or term	Definition
Display module	The OLED, glass cover, and sometimes other components such as the fingerprint sensor. Also known as: Cover Glass (CG), Screen, Display
Logic board	The main electronic component in the device with the processor, memory, storage, and often Wi-Fi and bluetooth components all soldered on. Also known as: MLB, Main Logic Board, Main Board, PCBA
Microphone	The component used to capture audio to make a call, video, or dictate some notes. Also known as: Mic, Mic 1 bracket
Enclosure	The housing that contains the buttons and provides protection for the logic board and other components. Also known as: Housing (HSG), Rear cover, Back cover, Bottom case, Back glass (BC)
LDI	Liquid Damage Indicator An indicator that turns from white into another color, typically red, after contact with water. Also known as: Liquid damage indicator, LDI
FOF	Fabric-Over-Foam

Glossary

Acronym or term	Definition
Camera	Camera modules include the front camera and rear cameras which may include wide/ ultra wide/ tele camera module. Also known as: CAM, FCAM, RCAM
Pressure sensitive adhesive	The adhesive that is used to bond the enclosure and display module, battery and enclosure, or other parts. Also known as: PSA
UDFPS	Under Display FingerPrint Sensor Also known as: Fingerprint sensor
TS	Temperature Sensor
Release liner	This is a tool used to transport sensitive parts, including adhesives. It needs to be removed during installation for the device to function as intended.
LDAF	Laser Detect Auto Focus
NFC	Near Field Communication
IF	Intermediate Frequency
PF	Protective Film

Glossary

Acronym or term	Definition
RF	Radio Frequency
GPS	Global Positioning System
PSA	Pressure Sensitive Adhesive
FPS	Fingerprint Sensor
PL	Proximity-Light
ANT	Antenna
VOL	Volume
PCB/ PCBA	Printed Circuit Board/ Printed Circuit Board Assembly
CPSA	Conductive Pressure Sensitive Adhesive

Glossary

Acronym or term	Definition
TSPK	Top Speaker
TP	Touch Panel
WLC	Wireless Charging
BT	Bluetooth
DDIC	Display Driver Integrated Circuit
ZIF	Zero Insertion Force connector

Pixel 11 Pro Fold repair manual

User PF Repair

Inner display protective film

Inner display trim

Inner display protective film

The user ID PF is intended to provide additional protection to the inner display during use of the device.

Use caution

Use safety gloves when you handle damaged displays as splinters during removal could cause injury.

Apply protective film to broken glass before removal.

Review all safety precautions before you begin work.

Prerequisites

Before you begin a repair, ensure to **power off** the device and disconnect any charging cables.

Tools

- Universal base plate 12 mm
- Universal holder #2
- Universal holder limiting block #2
- Universal press plate 12 mm
- Universal scraper-large
- Pixel 11 Pro Fold ID PF or trim supporting rubber
- Screen protector accessories
- Dust cleaning tool

Required parts

ID protective film replacement

Here’s the list of parts for the ID protective film disassembly.

Reuse indications

- Reusable without cleaning
- Reusable after cleaning
- Not reusable after disassembly

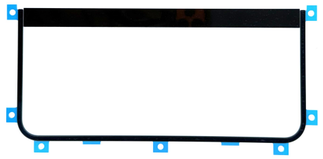
User PF
G806-17534-99



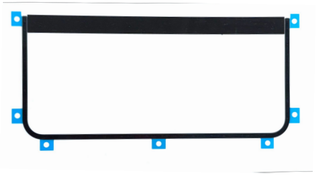
Guide sticker
G806-13134-00



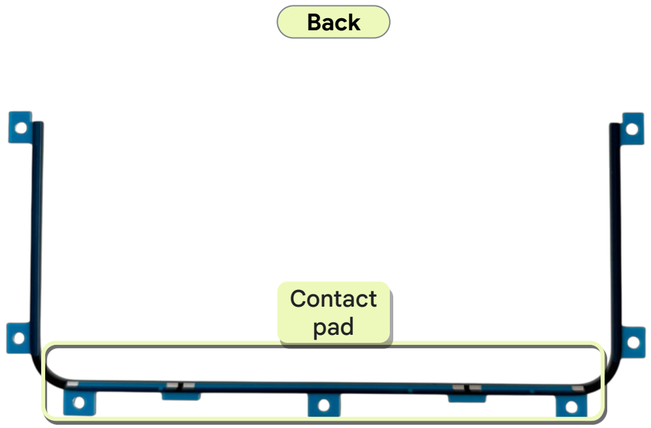
Trim base
G730-10885-00

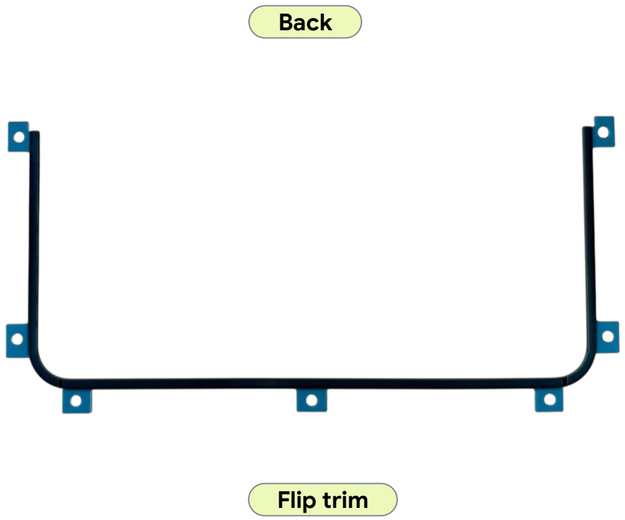


Trim flip
G730-10884-00



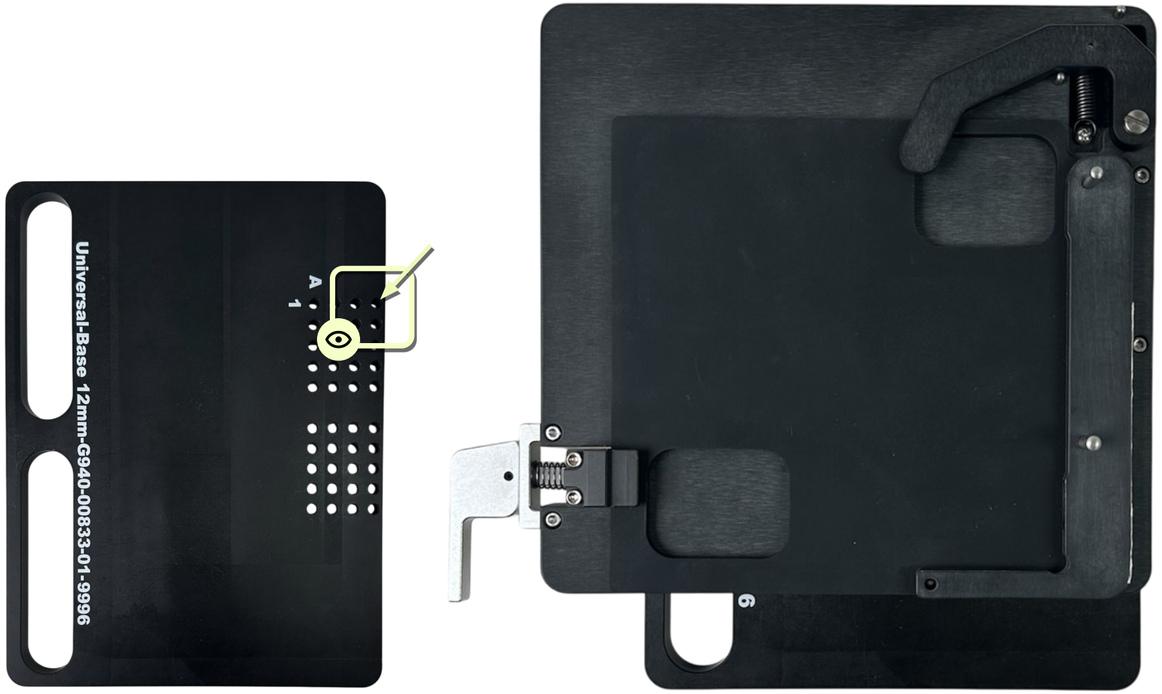
Trim difference





Prepare usage

- Place the **universal ID PF** or **trim supporting rubber** on the **universal holder #2**, and place the **universal holder limiting block #2** on top.
- **Place the fixture** in position **D1** on the **universal base**.



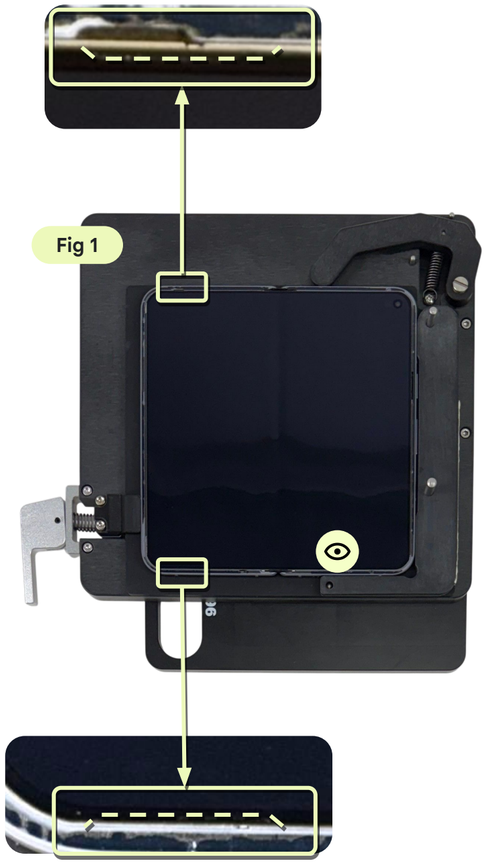
Remove the base and flip trims

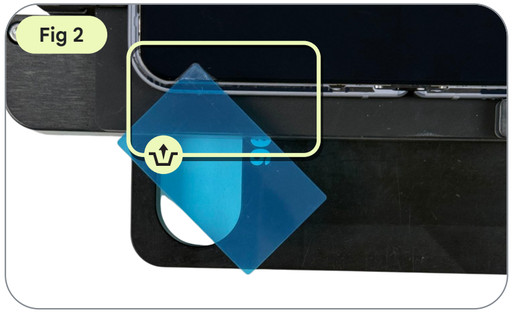
- Make sure that the device is powered off before you proceed.
- Place the device in the **universal holder #2** with the inner display facing upward.
- Use a **spudger** and carefully lift the ends of both the **base** and **flip trim**, starting near the folding **hinge**.
- Remove the **flip trim** with your **hand**, and remove the **base trim** with your **hand**.
- Use a **spudger** to remove any adhesive residue from the **enclosure**.



Remove the user PF

- There are two **notched cutouts** on the upper and lower left of the **user PF**, as shown in **Fig 1**. Insert the **guide sticker liner** into one of them to separate the **user PF** from the **ID**, as shown in **Fig 2**.
- Slowly tear off the user PF by **hand** and hold down the **ID**. Move the hand along to avoid the damage to the screen, as shown in **Fig 3**.





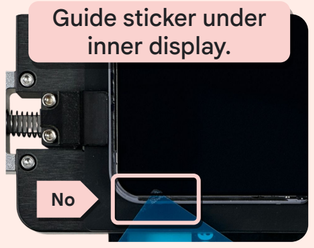


Note

Don't wear gloves when you handle the user PF.
Use a magnifying glass if needed.

Use caution

Peel off the **user PF** from the **notched cutouts** on the upper or lower left of the user PF to avoid damage to the **inner display**.



Clean the display

- Use **Ethanol** and a **dust-free cloth** to clean the screen of dust and residue.
- Use a dust cleaning tool and **screen protector accessories** to remove all dust from the display.



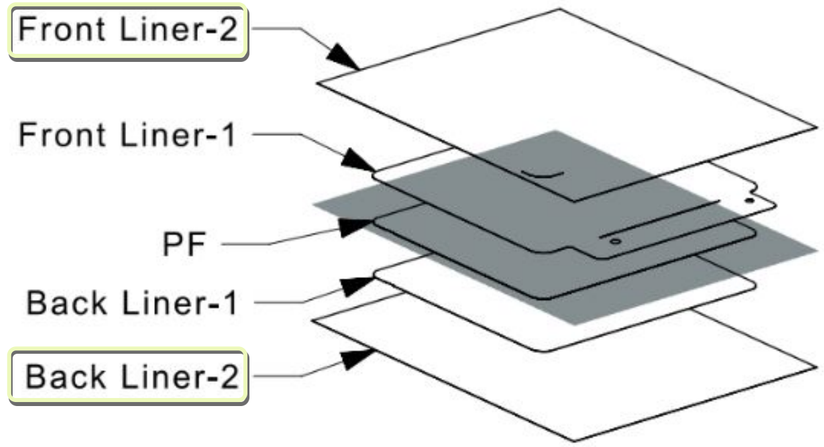
Use caution

Make sure that the environment is clean for this process.

Remove the release liners

Slowly peel off the **front liner-2** and the **back liner-2** from the **user PF**.

Part: G806-17534-99 (user PF)



Use caution

Make sure that the environment is clean for this process.

Remove the back liner-1

- Gently peel the layered structure between **front liner-1**, **PF**, and **back liner-1** to identify the **back liner-1** side, as shown in **Fig 1**.
- Insert a **guide sticker** from the corner at a 45 degrees angle to peel the **black liner 1**, as shown in **Fig 2**.

Part: G806-13134-00 (guide sticker)

Use caution

Make sure that only one single layer, which is the back liner-1 is removed from the user PF.

Make sure that the environment is clean for this process.

Fig 1

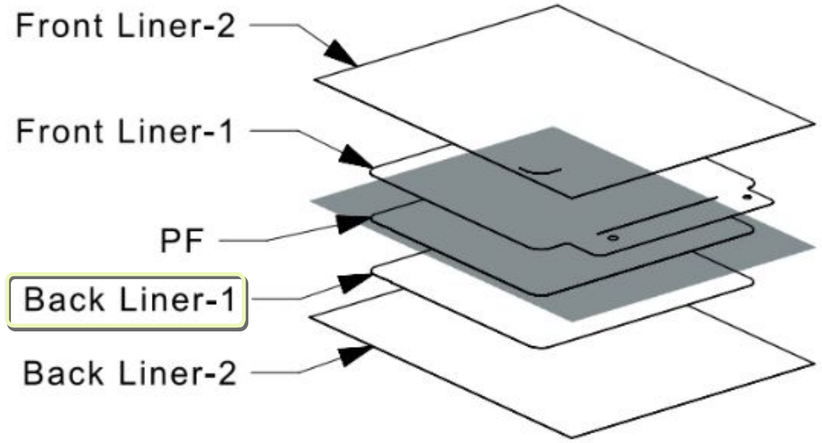
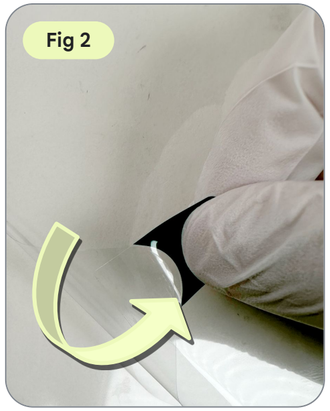
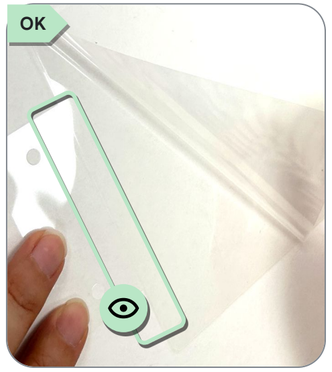
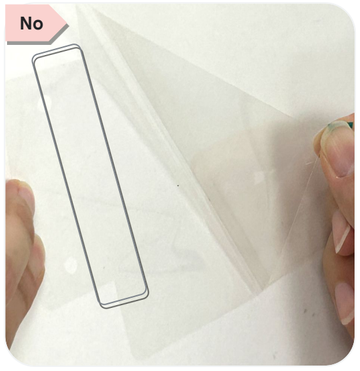


Fig 2





front liner-1 with user PF.

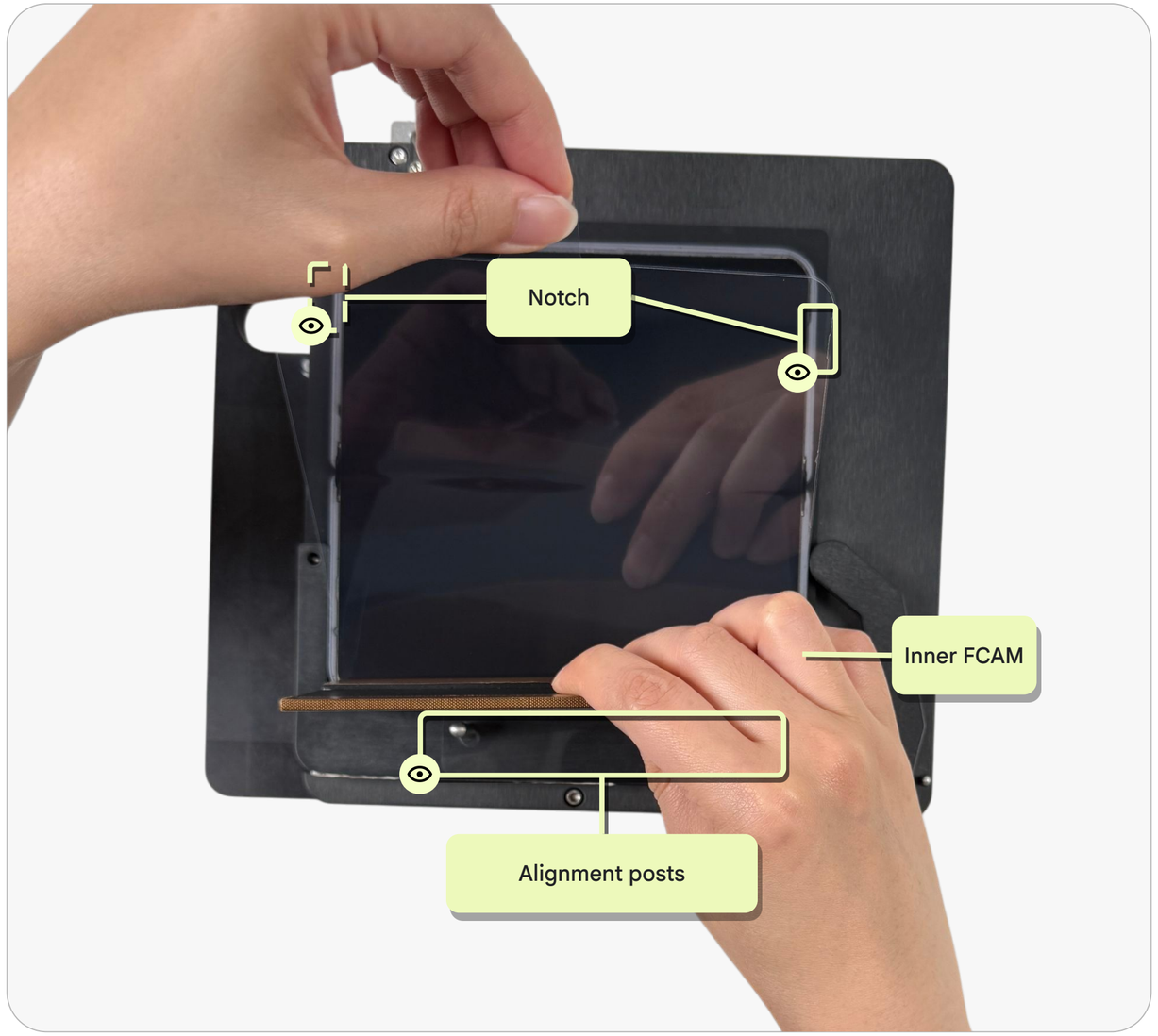


front liner-1 without user PF.

Align the PF with fixture

- Locate the two **universal holder #2** alignment posts near the **inner display FCAM**.
- Place the guide plastic of the **user PF** through the posts, and ensure that there are no creases on the plastic around the posts.

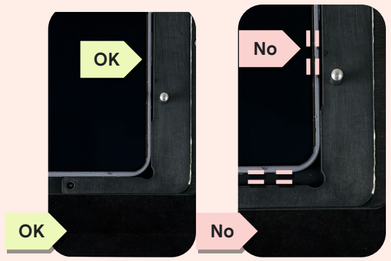
Part: G806-17534-99 (user PF)



Use caution

Make sure that the device leans on the L-shape limiting block without any gap.

Make sure that the environment is clean for this process.



Apply the PF

- Gently angle the **user PF** at a 75 degrees angle to the inner display with one **hand**.
- Align the **universal scraper-large** to the screen with the other hand.
- Starting from the edge, slowly apply the protective film onto the screen with the **universal scraper-large**. Move forward with moderate pressure.



Part: G806-17534-99 (user PF)





Use caution

Make sure that the environment is clean for this process.

Avoid back-and-forth movements.

Apply the PF (continued)

- Glide the **universal scraper-large** on the **user PF** to wipe bubbles towards the edges of the PF, as shown in **Fig 1**.
- Use a **dust-free cloth** to gently press the hinge area and the four edges to ensure that the **user PF** adheres properly, as shown in **Fig 2**.

Part: G806-17534-99 (user PF)

> ⚠ **Use caution**
>
> Make sure that the environment is clean for this process.

Fig 1



Fig 2



Remove the liner

After you attach the **user PF** to the **inner display**, wait for 5 minutes. Then, carefully peel off the front liner-1, and ensure that the PF stays attached.

Part: G806-17534-99 (user PF)

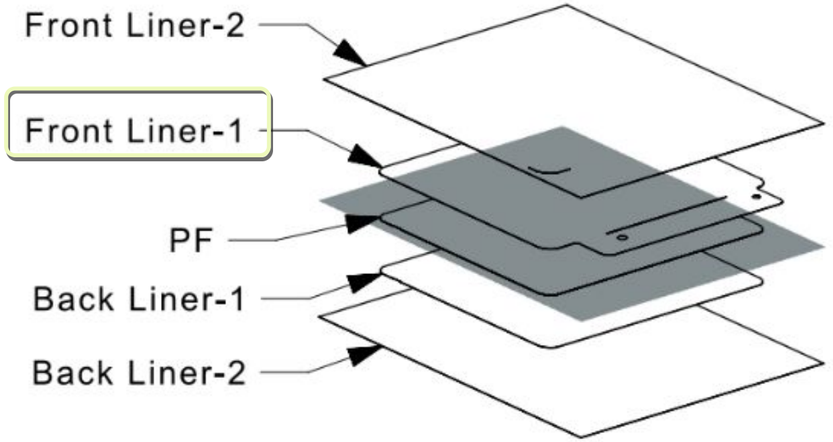
Note

Wait for 5 minutes before you remove the front liner-1.

Use caution

The PF is prone to scratches after the front liner-1 is removed.

Don't use the universal scraper, other tools, or try to remove any blemishes after you remove the liner.





Keep the device unfolded

Keep the device unfolded for at least **an hour** after PF application.



Use caution

Don't fold or repair it during this time.

Don't use scrapers, dust-free cloth, or tools on the screen during the dwell period.

Inner display trim

Solution 1: use alignment fixture

Solution 1: use alignment fixture

Remove the base trim liner

- Slowly peel off the outer liner from the **base trim**, and move your other hand along.
- Use **ESD tweezers** to remove the trim and carefully grab the first blue release liner. Press the trim when removing the blue liner to avoid trim shift. Repeat for the second and third blue release liners.

Part: G730-10885-00 (trim base)



Use caution

Make sure that the environment is clean for this process.

Don't to touch the trim or blue liner.

Solution 1: use alignment fixture

Place the base trim

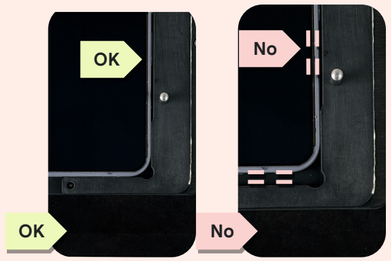
Place the guide plastic of the **base trim** through the **universal holder #2** alignment posts, and ensure that there are no creases on the plastic around the posts.



Use caution

Make sure that the device leans the L-shape limiting block without any gap.

Make sure that the environment is clean for this process.



Solution 1: use alignment fixture

Apply the base trim

- Allow the **base trim** to adhere naturally.
- Press the edges near the hinge on both sides.
- Push outward to ensure that the trim is in the groove.



Use caution

Make sure that the environment is clean for this process.

Solution 1: use alignment fixture

Remove the flip trim liner

- Slowly peel off the outer liner from the **flip trim**, and move your other hand along.
- Use **ESD tweezers** to remove the trim and carefully grab the first blue release liner. Press the trim when you remove the blue liner to avoid trim shift. Repeat for the second and third blue release liners.

Part: G730-10884-00 (trim flip)



Use caution

Make sure that the environment is clean for this process.

Don't touch the trim or blue liner.

Solution 1: use alignment fixture

Place the flip trim

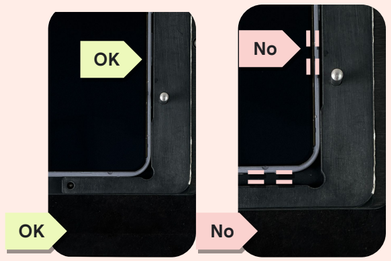
- Remove the device from the fixture, rotate 180 degrees, and place it back down on the fixture.
- Place the guide plastic of the **flip trim** through the **universal holder #2** alignment posts, and ensure that there are no creases on the plastic around the posts.



Use caution

Make sure that the device leans the L-shape limiting block without any gap.

Make sure that the environment is clean for this process.



Solution 1: use alignment fixture

Apply the flip trim

- Allow the **flip trim** to adhere naturally.
- Press the edges near the hinge on both sides.
- Push outward to ensure that the trim is in the groove.



Use caution

Make sure that the environment is clean for this process.

Solution 1: use alignment fixture

Press the base and flip trims

- Take the device out of the fixture.
- Fold the device and then press the first area for 20 seconds and press the second area for another 20 seconds to activate the **base and flip trim PSAs**.
- Unfold the device and gently remove both liners.



Use caution

Make sure that the environment is clean for this process.

Inner display trim

Solution 2: assemble manually

Solution 2: assemble manually

Remove the base trim liner

- Slowly peel off the outer liner from the **base trim**, and move your other hand along.
- Use **ESD tweezers** to remove the trim and carefully grab the first blue release liner. Press the trim when you remove the blue liner to avoid trim shift. Repeat for the second and third blue release liners.

Part: G730-10885-00 (trim base)



Use caution

Make sure that the environment is clean for this process.

Don't touch the trim or blue liner.

Solution 2: assemble manually

Place the base trim

Align the **base trim** with the lower left corner of the enclosure, and ensure that it sits flush within the frame.



Use caution

Make sure that the environment is clean for this process.

Solution 2: assemble manually

Apply the base trim

- Allow the **base trim** to adhere naturally.
- Press the edges near the hinge on both sides.
- Push outward to verify that the trim is in the groove.



Use caution

Make sure that the environment is clean for this process.

Solution 2: assemble manually

Remove the flip trim liner

- Slowly peel off the outer liner from the **flip trim**, move your other hand along.
- Use **ESD tweezers** to remove the trim and carefully grab the first blue release liner. Press the trim when you remove the blue liner to avoid trim shift. Repeat for the second and third blue release liners.

Part: G730-10884-00 (trim flip)



Use caution

Make sure that the environment is clean for this process.

Don't touch the trim or blue liner.

Solution 2: assemble manually

Place the flip trim

- Rotate the device 180 degrees.
- Align the flip trim with the lower left corner of the enclosure, also verify that it sits flush within the frame.



Use caution

Make sure that the environment is clean for this process.

Solution 2: assemble manually

Apply the flip trim

- Allow the **flip trim** to adhere naturally.
- Press the edges near the hinge on both sides.
- Push outward to ensure that the trim is in the groove.



Use caution

Make sure that the environment is clean for this process.

Solution 2: assemble manually

Press the base and flip trims

- Take the device out of the fixture.
- Fold the device and then press the first area for 20 seconds and press the second area for another 20 seconds to activate the **base and flip trim PSAs**.
- Unfold the device and gently remove both liners.



Use caution

Make sure that the environment is clean for this process.

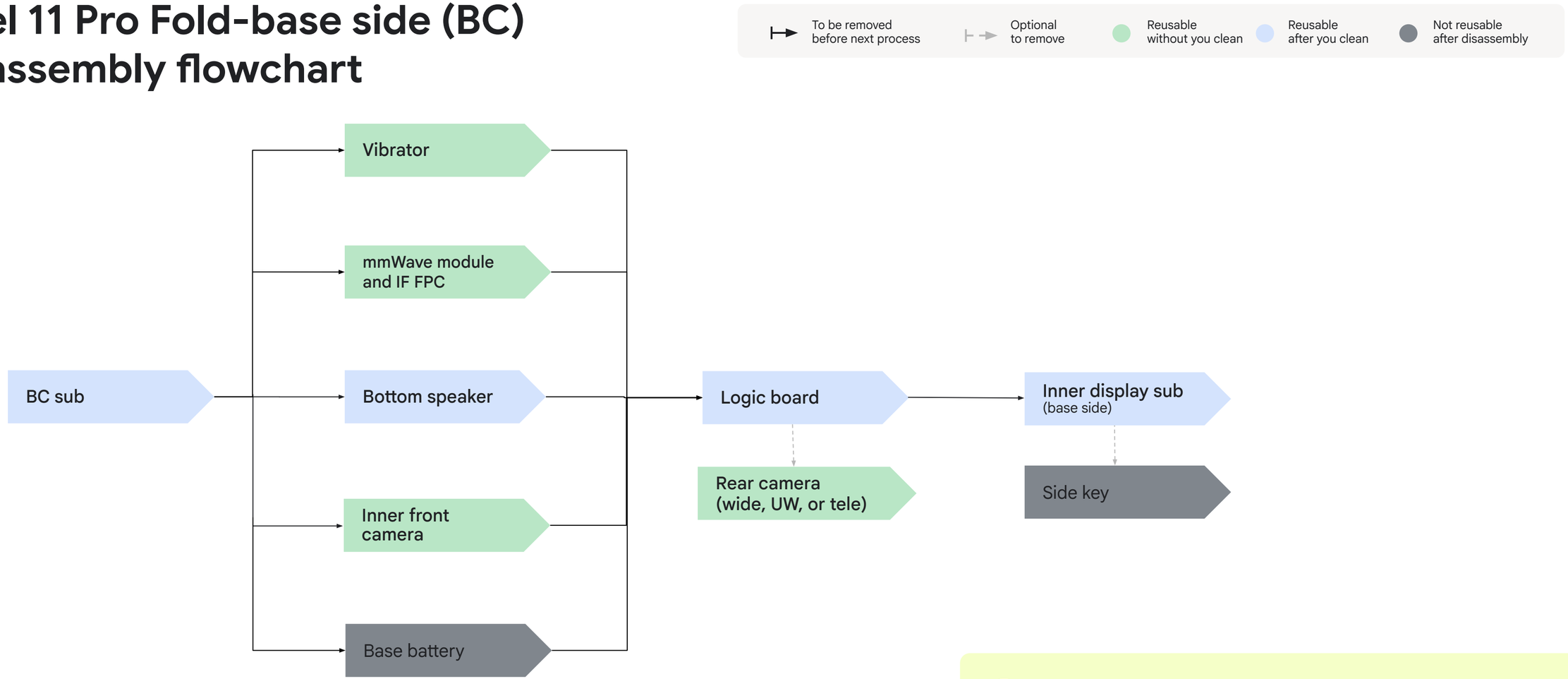
Pixel 11 Pro Fold repair manual

Repair flows

Disassembly order

Assembly order

Pixel 11 Pro Fold-base side (BC) disassembly flowchart

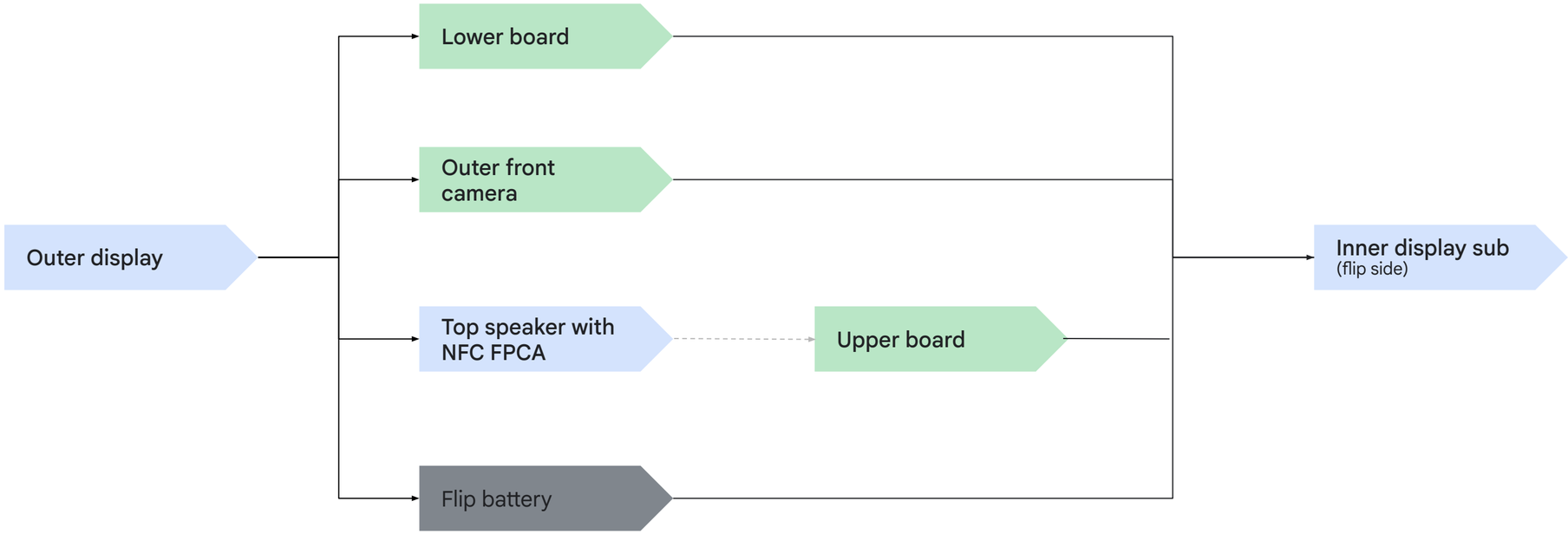


Base battery removal:

To make removal and replacement of the base battery easier: first take out the BC subassembly, then remove the base battery and base bridge flex cowling, disconnect FPS and base bridge flex. Finally, detach the base battery.

Pixel 11 Pro Fold-flip side (OD) disassembly flowchart

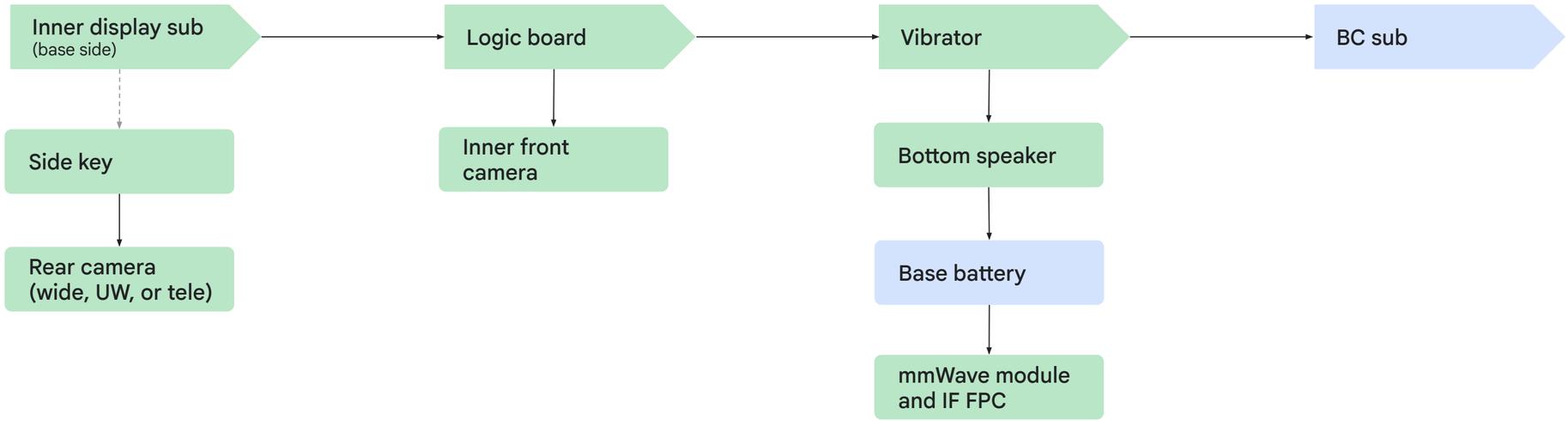
To be removed before next process
Optional to remove
Reusable without you clean
Reusable after you clean
Not reusable after disassembly



Flip battery removal:

To make removal and replacement of the flip battery easier: first take out the outer display, and then the flip battery.

Pixel 11 Pro Fold-base side (BC) assembly flowchart



Use caution

When you perform the inner display replacement, follow the sequence to assemble the base side, then the flip side.

How to read this chart

To reinstall the base battery:
Install the base battery, mmWave module, and IF FPC, then the BC sub.

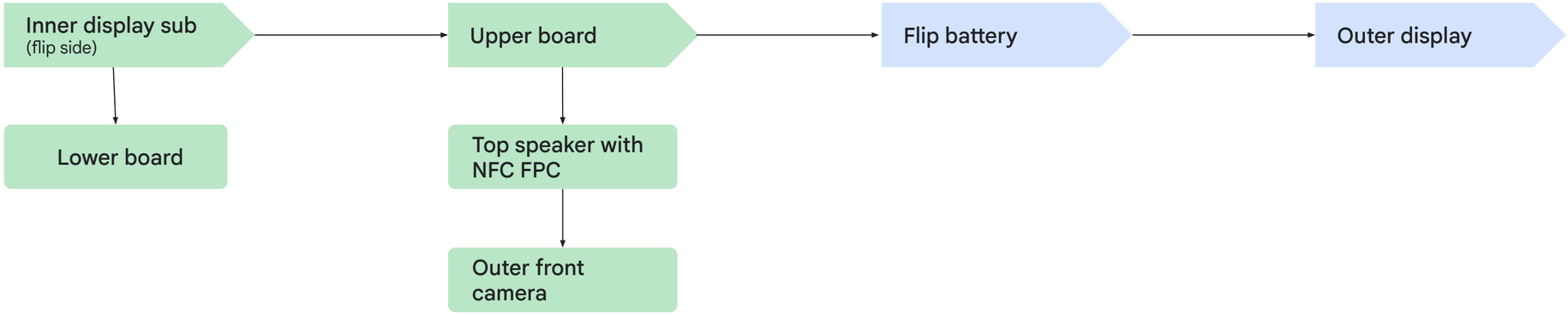
To reinstall the logic board:
Install the logic board, inner front camera, vibrator, bottom speaker, base battery, mmWave module, and IF FPC, then the BC sub.

New ID sub:
The new inner display sub includes the sidekey.

Pixel 11 Pro Fold-flip side (OD) assembly flowchart

Assembled without a fixture

Assembled with a fixture



Use caution

When you perform the inner display replacement, follow the sequence to the assembly base side then the flip side.

How to read this chart

To reinstall the flip battery:
Install the flip battery, then the outer display.

To reinstall the upper board:
Install the upper board, top speaker with NFC FPC, outer front camera, flip battery, then the outer display.

Pixel 11 Pro Fold repair manual

Disassembly-base

BC sub

Bottom speaker

Rear camera

Vibrator

Inner front camera

Base battery

mmWave module and IF FPC

Logic board

Inner display sub

Disassembly instructions

BC (back cover) sub

The BC cowling makes sure that connectors remain engaged with the logic board and acts as a heatsink.

Use caution

Use safety gloves to handle damaged back glass as some splinter during removal could cause injury.

Apply protective film to the broken glass before removal.

Review all safety precautions before you begin work.

Prerequisites

Before you begin a repair, be sure to **power off** the device and disconnect any charging cables.

Tools

- Universal holder #2
- Universal holder limiting block #2
- Pixel 11 Pro Fold-BC press rubber
- Pixel universal base plate 12 mm
- Universal press pate 12 mm
- Universal press fixture
- Universal supporting rubber
- Torx plus 3IP screwdriver
- Tweezers
- Spudger
- Opening pick
- Big suction cup
- 3M AP111 primer
- Absorption-bulb

Required parts

BC sub replacement

Here's the list of parts for the BC sub disassembly.

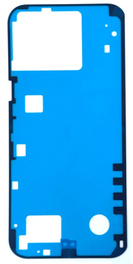
Reuse indications

- Reusable without cleaning
- Reusable after cleaning
- Not reusable after disassembly

BC sub
Multiple part numbers



BC PSA
G806-15777-00



BC cowling
G730-10301-01



Magnet PSA
G806-18283-00



Screw *2
G250-08273-00



Flam flex CPSA
G806-15869-00



Flam flex PSA
G806-15870-00



Avoid damage to the spring

Before you remove the BC sub, be aware of the springs underneath. Refer to the figure for locations.

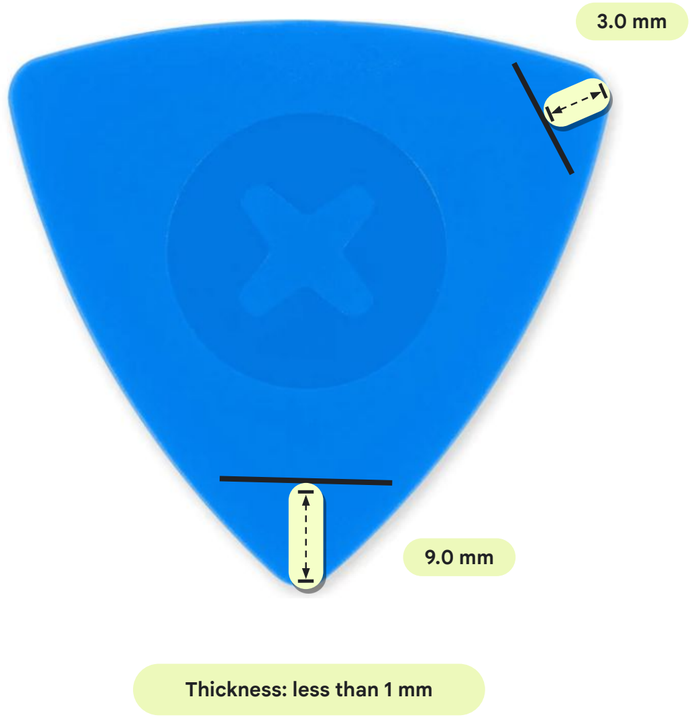


Use caution

Avoid damage to the springs during disassembly.

Mark the opening pick

- Use an opening pick to separate the BC from the enclosure. If you insert it too far, it could damage the device.
- The device has two adhesive widths. Measure 3.0 mm and 9.0 mm from the tip and mark the opening pick with a permanent mark.



Use caution

Follow the steps to mark your pick and prevent damage.

Separate the BC

- Use caution when you separate the adhesive to avoid damage to the spring contacts.
- Apply a suction cup to the BC, close to the USB side, as shown in **Fig 1 and Fig 2**.
- Hold the device and pull up the suction cup forcefully until a gap appears, then insert an opening pick into the gap, as shown in **Fig 3**.

> ⚠ **Use caution**
>
> *Don't* insert your opening pick deeper than 3.0 mm when you separate the adhesive, as it risks damaging the spring contacts.









Cut through the BC adhesive

- Slide your opening pick clockwise and then use the large suction cup to open the device.
- Peel off the flam fpc from the base cowling slowly. Use the large suction cup to hold the BC.

Disassembly sequence

1 (insert opening pick with 3.0 mm) ➜ 2 (3.0 mm)➜ 3 (3.0 mm) ➜ 4 (9.0 mm)

Use caution

Don't fully remove the BC yet, as it's still connected by the flam board flex.

Fig 1



Fig 2

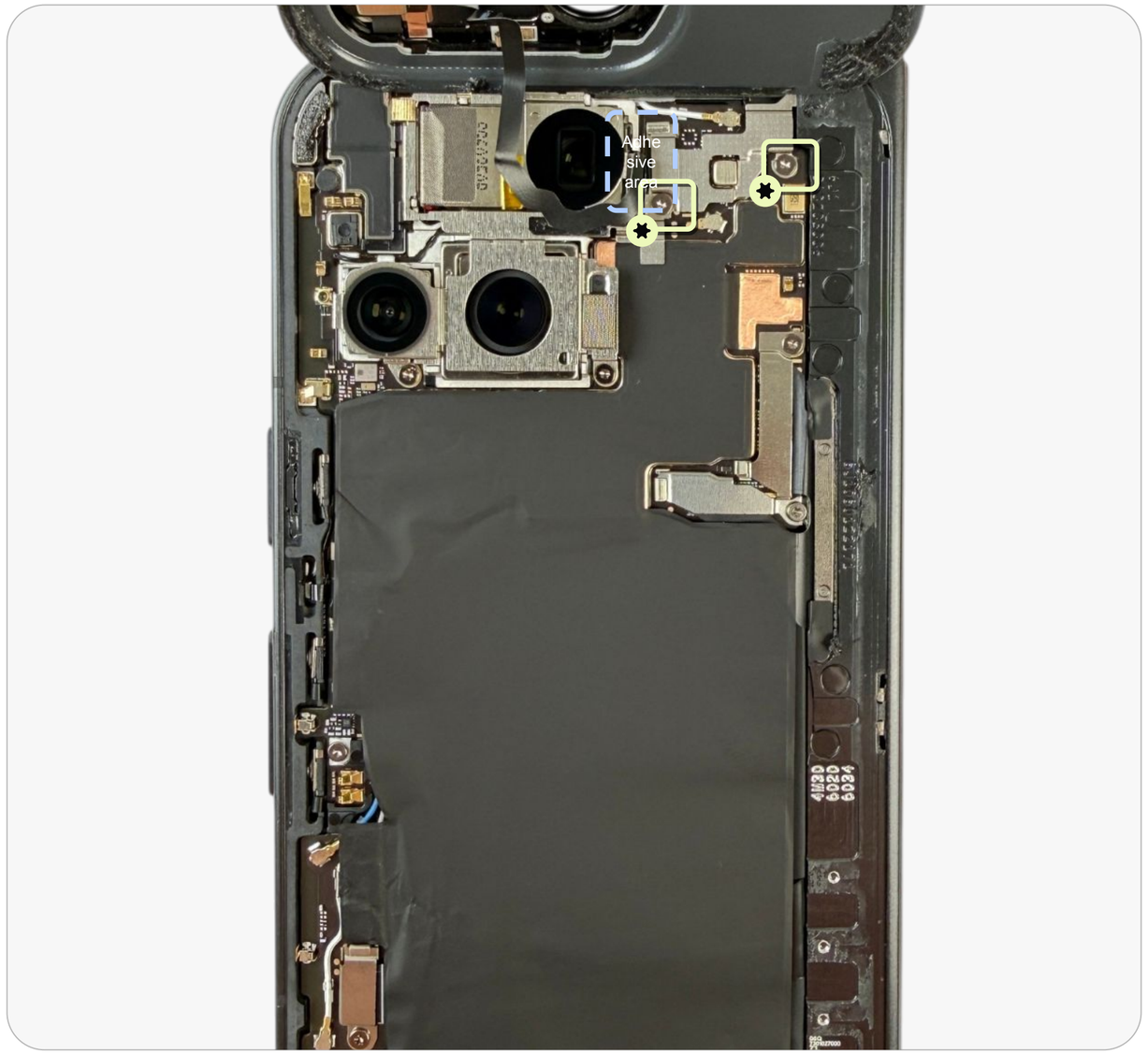


Detach the BC

- Remove **two BC cowling screws** with a torx plus 3IP screwdriver.
- Remove the **BC cowling** to reveal the **FLAM FPC B2B connector**.

Part: G250-08273-00 *2 (screws)

Part: G730-10301-01 (BC cowling)



Use caution

***Don't* reuse the screw.**

Avoid damage to the adjacent battery, flex board, springs, and the connector underneath.

Finished! Want assembly instructions? ➜

Remove the BC

- Disengage **FLAM FPC B2B connector** and remove the **BC**.



Vibrator

The vibrator is screwed to the enclosure.

Use caution

Review all safety precautions before you begin work.

Prerequisites

Here's the list of components that you should remove first:

- **BC sub**

Tools

Torx plus 3IP screwdriver

Required parts

Vibrator

Here's the list of parts for the vibrator disassembly.

Reuse indications — Reusable without cleaning | Reusable after cleaning | Not reusable after disassembly

Vibrator
G690-12646-00



Graphite sheet
G864-01138-00



Screw *2
G250-08273-00



Screw
G250-08274-00



Remove the graphite

- Peel the bottom of the **graphite sheet** and slowly move towards the top of the device.
- Part of the graphite sheet is lightly adhered to the copper foil on the **logic board**. Peel it away slowly to avoid breaking the copper foil.

Part: G864-01138-00 (graphite sheet)



⚠ Use caution

Avoid use of sharp objects or tools to prevent damage to the **battery**.

***Don't* reuse the part.**

Remove the screws and vibrator

- Unscrew the **base battery cowling screw**, **ID cowling screw**, **two base bridge cowling screws**, and **three vibrator screws** with a torx plus 3IP screwdriver.
- Remove the **base battery cowling**, **ID cowling**, **base right bridge cowling**, and the **base bottom bridge cowling**.

Part: G250-08271-00 *3 (screws)

Part: G250-08273-00 *2 (screws)

Part: G250-08274-00 (screw)

Part: G250-08272-00 (screw)

Part: G730-10304-01 (base battery cowling)

Part: G730-10353-00 (ID cowling)

Part: G730-10302-00 (base right bridge cowling)

Part: G730-10303-01 (base bottom bridge cowling)

Note

***Don't* reuse the screws.**

Use caution

Avoid use of sharp objects or tools to prevent damage to the **battery**.



A: G250-08271-00 | **B:** G806-08272-00 | **C:** G250-08274-00 | **D:** G806-08273-00

Finished! Want assembly instructions? ➜

Disengage flexes

- Disconnect the revealed **flexes** in the designated order with the **ESD spudger**.
- Remove the vibrator.

Part: G690-12646-00 (vibrator)



Disassembly sequence

1 (base battery) ➜ 2 (base bottom bridge)➜ 3 (base right bridge) ➜ 4 (inner display)

Note

Use a spudger to avoid damage to the components.

Disassembly instructions

mmWave module and IF FPC

mmWave are the radio waves used to build a 5G network that provides fast and reliable mobile data with low latency for the latest devices.

Use caution

Review all safety precautions before you begin work.

Prerequisites

Here's the list of components that you should remove first:

- **BC sub**

Tools

Torx plus 3IP screwdriver

Tweezers

Spudger

Ethanol and cloth

Dust-free cotton swabs

Required parts

mmWave module and IF FPC

Here's the list of parts for the mmWave module and IF FPC disassembly.

Reuse indications — Reusable without cleaning | Reusable after cleaning | Not reusable after disassembly

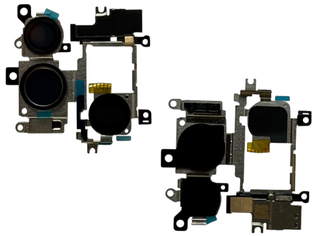
mmWave module
G345-01666-00



IF FPC
G652-10607-02



Base cowling
G730-10300-00



Screw *3
G250-08271-00



Screw *2
G250-08559-00



Screw stopper
G852-05823-00



mmWave thermal pad
G864-01146-00



Remove the screws

- Remove the **screw stopper**.
- Remove **five screws** with a torx plus 3IP screwdriver.
- Remove the **base cowling**.

Part: G852-05823-00 (screw stopper)

Part: G250-08559-00 *2 (screws)

Part: G250-08271-00 *3 (screws)

Part: G730-10300-00 (base cowling)

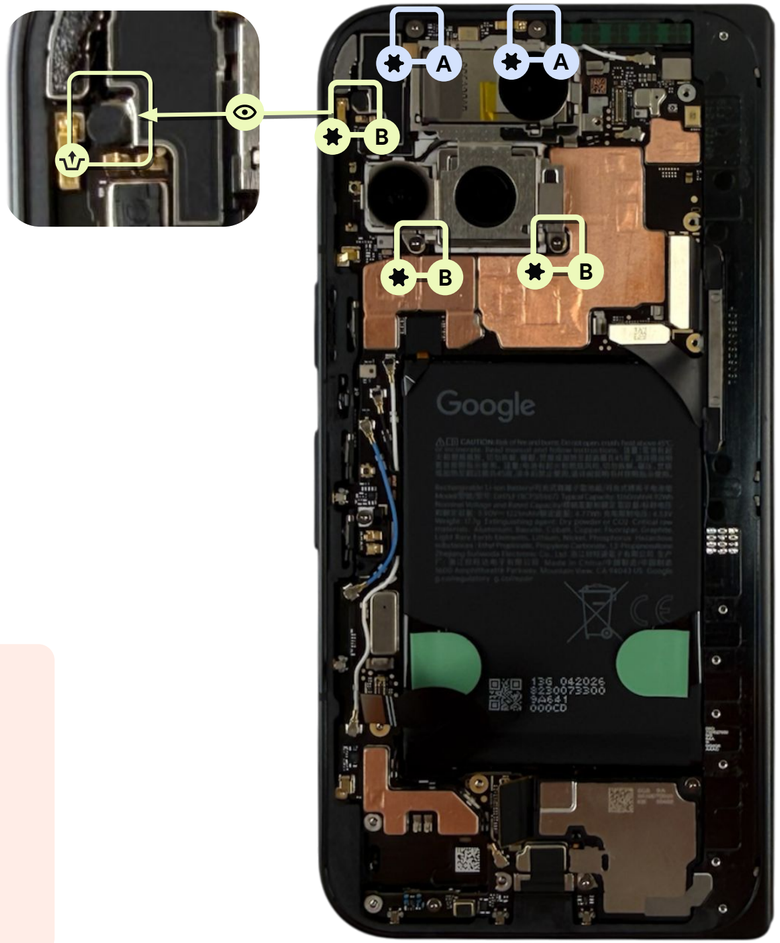
Note

***Don't* reuse the screws or screw stopper.**

Use caution

Be cautious when you use the screwdriver. Avoid to damage the adjacent battery.

Incorrect use of the screwdriver might result in injuries to yourself or others, as well as damage to the battery or the product.



A: G250-08559-00 **B:** G250-08271-00

Remove mmWave module and IF FPC together

- mmWave module is lightly adhered to the enclosure. Disconnect the **IF FPC** connector with the **ESD spudger.**
- Use a **ESD tweezers** to remove the **mmWave module** and **IF FPC** together.

Part: G345-01666-00 (mmWave module)

Part: G652-10607-02 (IF FPC)



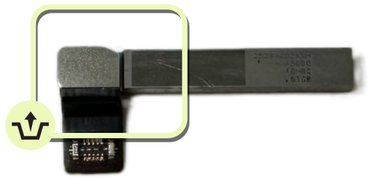
Finished! Want assembly instructions? ➜

Disconnect the IF FPC

- Separate the **IF FPC** from the **mmWave module**.

Part: G345-01666-00 (mmWave module)

Part: G652-10607-02 (IF FPC)



Note

There's no need to do this step. Separate them only when necessary.

Disassembly instructions

Bottom speaker

The bottom speaker is adhered to the enclosure.
Be careful not to damage the speaker membrane.

Use caution

Review all safety precautions before you begin work.

Prerequisites

Here's the list of components that you should remove first:

- **BC sub**

Tools

Tweezers

Spudger

Torx plus 3IP screwdriver

Ethanol and cloth

Dust-free cotton swabs

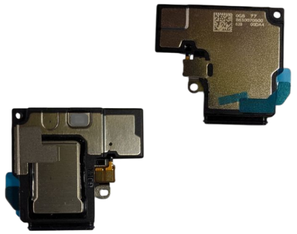
Required parts

Bottom speaker

Here's the list of parts for the bottom speaker disassembly.

Reuse indications — Reusable without cleaning | Reusable after cleaning | Not reusable after disassembly

Bottom speaker
G863-00708-00



Screw *2
G250-08273-00



Bottom speaker CPSA
G806-15939-00



Conductive tape
G806-15882-00



Conductive fabric_ID flex
G806-17962-00



ID cowling
G730-10353-00



Screw
G250-08271-00



Remove the screw

- Remove two **screws** with a **torx plus 3IP screwdriver**.
- Detach the right end of the **conductive fabric** with a **spudger** or **tweezers**.

Part: G250-08273-00 *2 (screws)

Part: G806-15882-00 (conductive fabric)



Note

***Don't* reuse the screw or conductive fabric.**

Use caution

Avoid use of sharp objects or tools to prevent damage to the **battery**.

Finished! Want assembly instructions? ➜

Remove the bottom speaker

Use the flat end of a **ESD spudger** to pry up 30 degree angle to eject the **bottom speaker**.

Part: G863-00708-00 (bottom speaker)



⚠ Use caution

Be careful to avoid damage to the components on the **bottom speaker**.

⚠ Use caution

Don't use sharp objects or tools to prevent damage to the **battery**.

Disassembly instructions

Inner front camera

The inner front camera is fastened to the enclosure and connected to the logic board.

Use caution

Review all safety precautions before you begin work.

Prerequisites

Here's the list of components that you should remove first:

- **BC sub**

Tools

Spudger

Required parts

Reuse indications Reusable without cleaning | Reusable after cleaning | Not reusable after disassembly

Inner front camera

Here's the list of parts for the inner front camera disassembly.

Inner front camera

G949-01691-00



Finished! Want assembly instructions? ➜

Remove the inner FCAM

- Disconnect the **inner front camera** connector with the **ESD spudger.**
- Remove the **inner front camera.**

Part: G949-01691-00 (inner front camera)



Note

Use the **ESD spudger** to avoid damage to the components.

Disassembly instructions

Logic board

The logic board consists of the memory, storage, processor, and communication components such as Wi-Fi and mmW.

Use caution

Review all safety precautions before you begin work.

Prerequisites

Here's the list of components that you should remove first:

- **BC sub**
- **Vibrator**
- **mmWave module**
- **Bottom speaker**
- **Inner front camera**

Tools

Universal holder #2

Universal holder limiting block #2

Universal supporting rubber

Pixel 11 Pro Fold-thermal grease alignment fixture

Torx plus 3IP screwdriver

Tweezers

Spudger

Dust-free cotton swabs

Ethanol and cloth

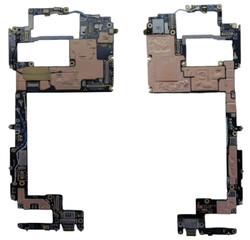
Required parts

Logic board

Here's the list of parts for the logic board disassembly.

Reuse indications — Reusable without cleaning | Reusable after cleaning | Not reusable after disassembly

Logic board
Multiple part numbers



Screw*2
G250-08272-00



FPS mylar
G806-19665-00



Thermal grease
G160-01058-00



Remove the logic board screws

Remove the **two logic board screws** with a torx plus 3IP screwdriver.

Part: G250-08272-00 *2 (screws)



Use caution

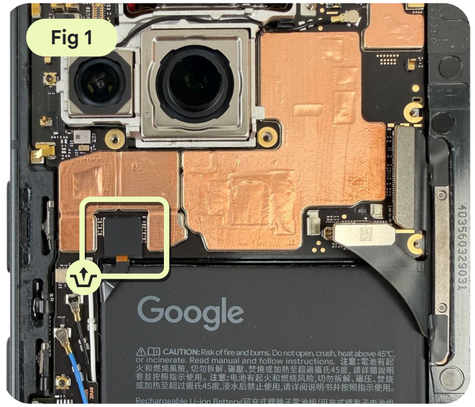
Avoid use of sharp objects or tools to prevent damage to the **battery**.

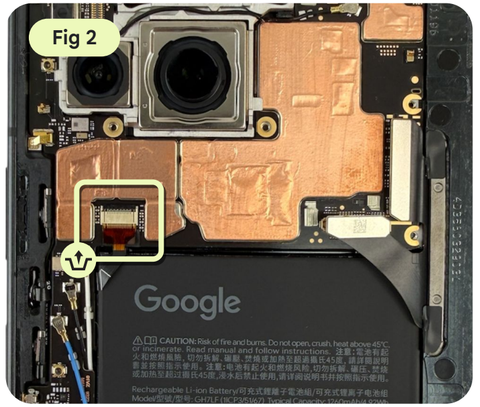
Note

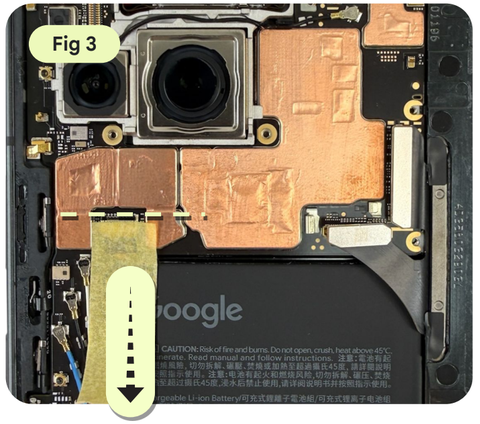
***Don't* reuse the screws.**

Disconnect the FPS flex

- Peel off the **mylar** covering the **MLB ZIF connector**, as shown in **Fig 1**.
- Open the **latch** with the **ESD spudger**, as shown in **Fig 2**.
- Apply **masking tape** to the top of the ribbon cable which creates a tab for better grip, as shown in **Fig 3**.
- Pull the tape downward forcefully to extract the ribbon cable from the **ZIF connector**.







Part: G806-19665-00 (FPS mylar)

Note

To avoid damage to the flex, make sure that the masking tape is properly aligned with the top of the FPS flex.

Note

***Don't* reuse the FPS mylar.**

Use a spudger to avoid damage to the components.

Finished! Want assembly instructions? ➜

Remove the logic board

- Use a **spudger** to pry up the **logic board** from the mmWave recess.
- The **logic board** is embedded in the USB slot. To release it, pull it upward toward the top of the device.

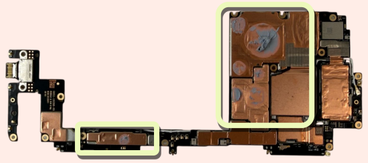


Part: multiple part numbers (logic board)

Use caution

Be careful to avoid damage to the components on the logic board.

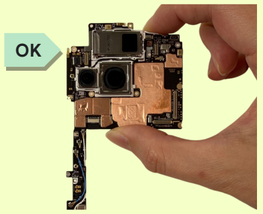
Be careful not to touch other components with the thermal grease during removal.



Note

Don't wear gloves when you handle the logic board.

Grip the logic board with your fingers.



Disassembly instructions

Rear camera

The rear camera module carries all the rear cameras. It's possible to replace a single camera.

Use caution

Review all safety precautions before you begin work.

Prerequisites

Here's the list of components that you should remove first:

- **BC sub**
- **Vibrator**
- **mmWave module**
- **Bottom speaker**
- **Inner front camera**
- **Logic board**

Tools

Spudger

Tweezers

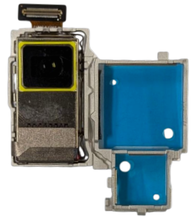
Required parts

Rear camera

Reuse indications — Reusable without cleaning | Reusable after cleaning | Not reusable after disassembly

Here's the list of parts for the rear camera disassembly:

Rear camera_tele
G949-01692-00



Rear camera_UW
G949-01693-00



Rear camera_WIDE
G949-01694-00



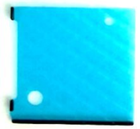
Coaxial cable RCAM
G821-01223-00



Cable PSA
G806-18431-00



WideCAM foam
G806-15954-00



UWCAM foam
G806-15955-00



Conductive fabric_RCAM
G806-18180-00



Rear camera_WIDE
G806-14592-00



Rear camera_UW
G806-14593-00

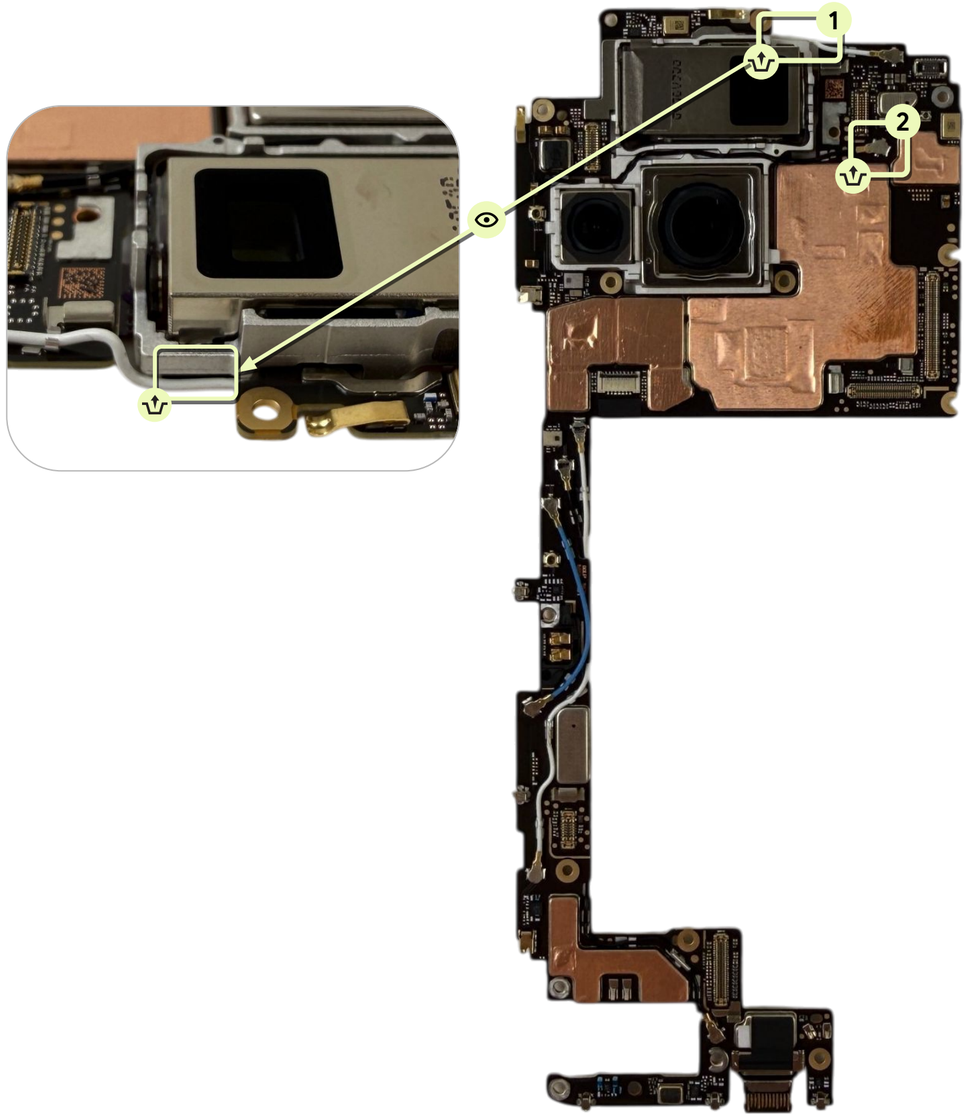


Rear camera_tele
G806-14594-00



Remove the cable PSA and cable

- Detach the **no. 1 cable PSA** between the white cable and tele camera, and unlatch the **no. 2 coaxial cable connector** with **tweezers**.



Part: G806-18431-00 (cable PSA)

Part: G821-01223-00 (coaxial cable RCAM)

Note

***Don't* reuse the coaxial cable or cable PSA.**

Disconnect the rear cameras

- Detach the the **conductive fabric** with a **spudger** or **tweezers**.
- Disconnect the **three rear camera connectors** from the **logic board** with a spudger.
- Slightly rotate the entire module counterclockwise, and remove the **rear cameras** from the **logic board** manually, as shown in **Fig 3**.
- Unlatch the **coaxial cable connector** on the other side of the logic board, as shown in **Fig 4**.

Part: G806-18180-00 (Conductive Fabric)

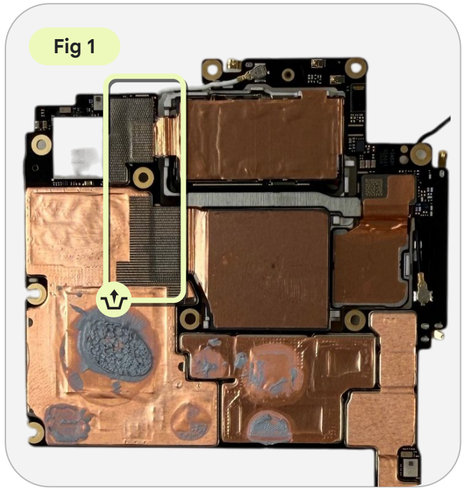
Use caution

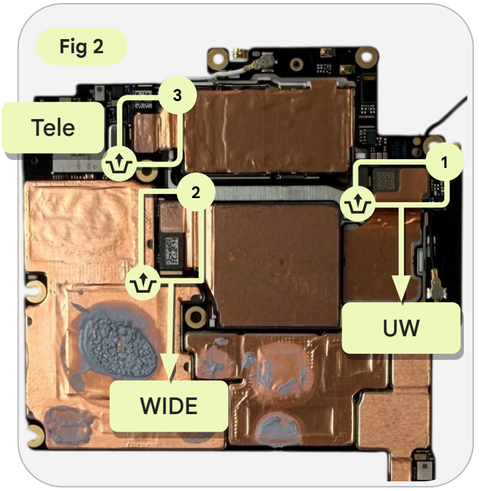
The rear camera module has cables on the back side of the logic board.

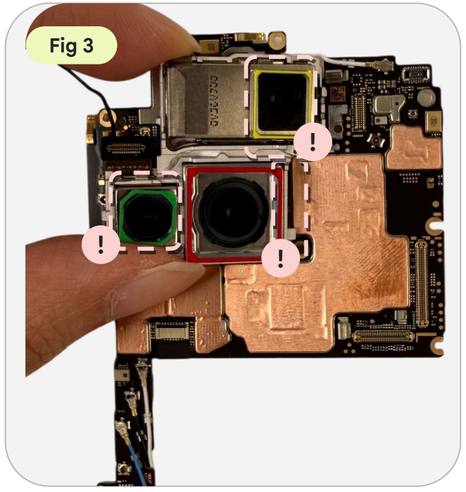
Be cautious when you remove it to avoid damaging the springs.

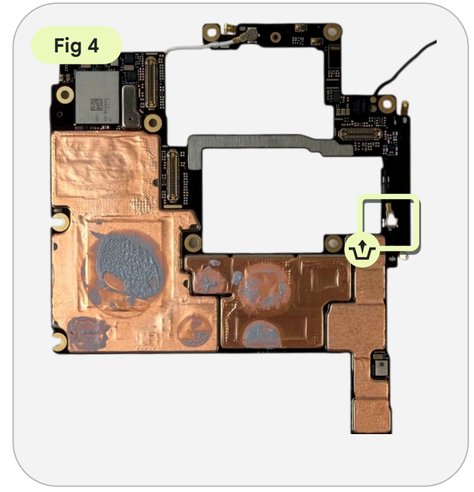
Note

***Don't* reuse the conductive fabric.**









Finished! Want assembly instructions? ➜

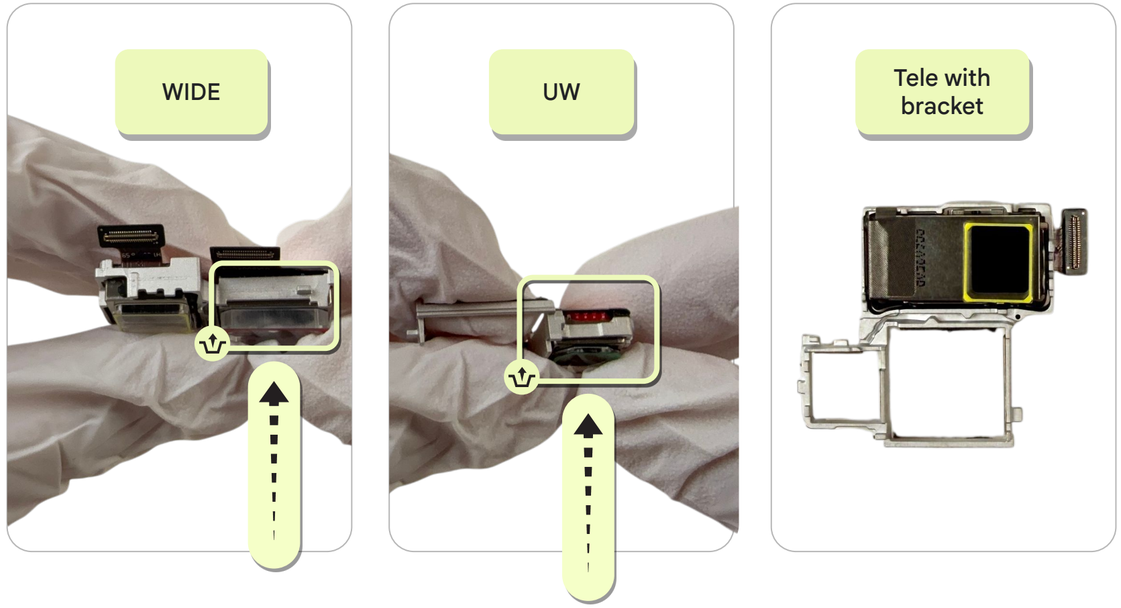
Separate the cameras

- The **rear cameras** feature a modular design. To separate the **WIDE** or **UW cameras** from the module, cover each lens with its cap and simply push from the lens side.

Part: G949-01693-00 (rear camera_UW)

Part: G949-01694-00 (rear camera_WIDE)

Part: G949-01692-00 (rear camera_tele)



Base battery

Use caution

Use caution if you engage in repair.

When you open or repair the device, be careful of electric shock, device damage, fire and personal injury risks, and other hazards.

Before you service the product, read the full set of **precautions** in this document.

Battery handling

- Never bend, dent, puncture, or use tools to pry the battery.
- Store batteries in the replacement part packaging as soon as possible after removal to prevent damage.
- If a battery begins to vent, cover it in sand or use gloves and tongs to keep the battery in a fire safe container as soon as possible.
- Take care to prevent shorting of battery terminals or damage the battery, as it could cause fire or overheating.
- Dispose of the battery according to the local regulations.

Confirm before you proceed

- The battery is fully discharged and the device is disconnected from all power sources.
- Inspect the battery to see whether the phone battery shows signs of swelling, damage, or if the phone feels hot or emits a strong odor. If so, *don't* attempt disassembly. Reach out to Google customer support instead.
- Take care not to expose the phone or its components to liquids after disassembly.

Base battery

We recommend that you use the universal disassembly fixture to hold the device during the battery removal process.

It's recommended to remove the battery with a pull jacket.

Use caution

Review all safety precautions before you begin work.

Prerequisites

Here's the list of components that you should remove first:

- **BC sub**
- **Vibrator**
- **Logic board**

Tools

- Heat plate
- Universal holder #2
- Universal holder limiting block #2
- Universal supporting rubber
- Universal press plate 12 mm
- Battery press rubber (base side)
- Universal press fixture
- Pixel universal disassembly fixture V3-base
- Pixel 11 Pro Fold spare device clip - universal disassembly fixture V3
- Adsorption-bulb
- Tweezers
- 3M AP111 primer
- Ethanol and cloth
- Dust-free cotton swabs

Required parts

Base battery

Here's the list of parts for the base battery disassembly.

Reuse indications — Reusable without cleaning | Reusable after cleaning | Not reusable after disassembly

Battery base
Multiple part numbers



FPS mylar
G806-19665-00



Base right bridge cowling
G730-10302-00



Base bottom bridge cowling
G730-10303-01



Screw *2
G250-08271-00



Screw
G250-08272-00



Base battery cowling
G730-10304-01



Base battery cell difference

- Battery cell source (LWN) GPN: G949-01701-00
- Model name and part number. printing on the battery: GH7LF/8230073300
- Battery cell source (ATL) GPN: G949-01700-00
- Model name and part number. printing on the battery: GH7LF/8230073100

Note

1. Always replace the base and flip batteries at the same time with the correct model name which is the same previous foldable phone projects.

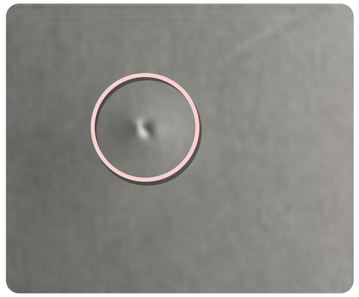
2. Make sure that the new base and flip battery are from the same cell source.



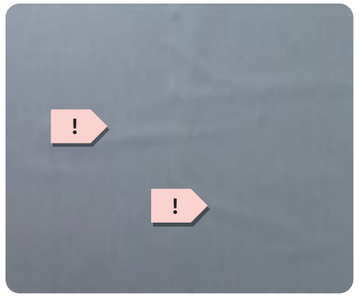
Front

Use caution ⚠

Examples of unacceptable battery conditions that aren't suitable for repair*



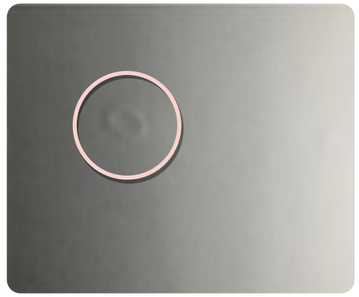
Pouch damage



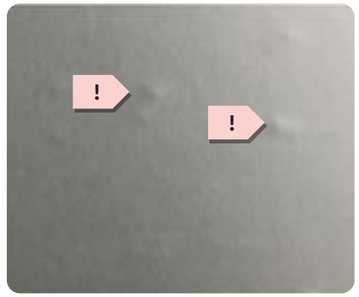
Line protrusion



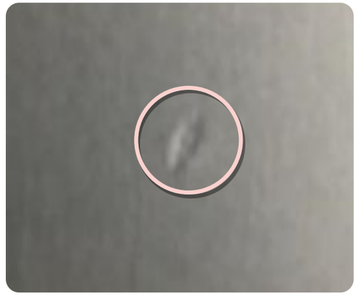
Scratch



Contamination mark



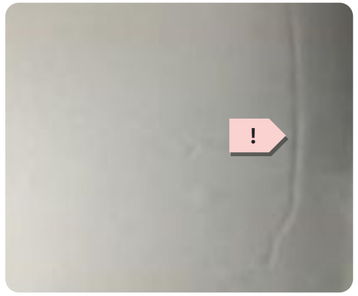
Dot protrusion



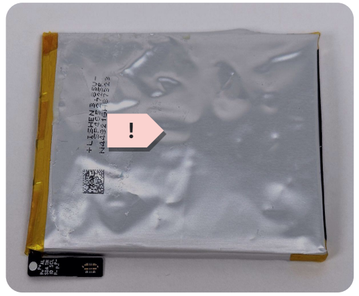
Dent



Bubbling



Imprinted line



Swelling or electrolyte leakage

*These are examples of potentially dangerous battery conditions but *don't* reflect all possible dangerous conditions. Follow the general safety guidance outlined in this document.

Unstick the pull jacket

- Use a pair of blunt nose tweezers or your fingers to peel the pull jacket away from the battery, as shown in **Fig 1**.
- Partially the pull jacket is folded under the green ends. Unfold to strengthen handling as shown in **Fig 2**.





Use caution

Avoid use of sharp objects or tools to prevent damage to the **battery**.

Soften the glue

Place the unfolded device with the ID face down on the heat plate set to **158 °F (70 °C)** for **5 minutes** to soften the **base battery** adhesive.



Use caution

A heat plate is a hot surface. Use caution as it could cause burns.

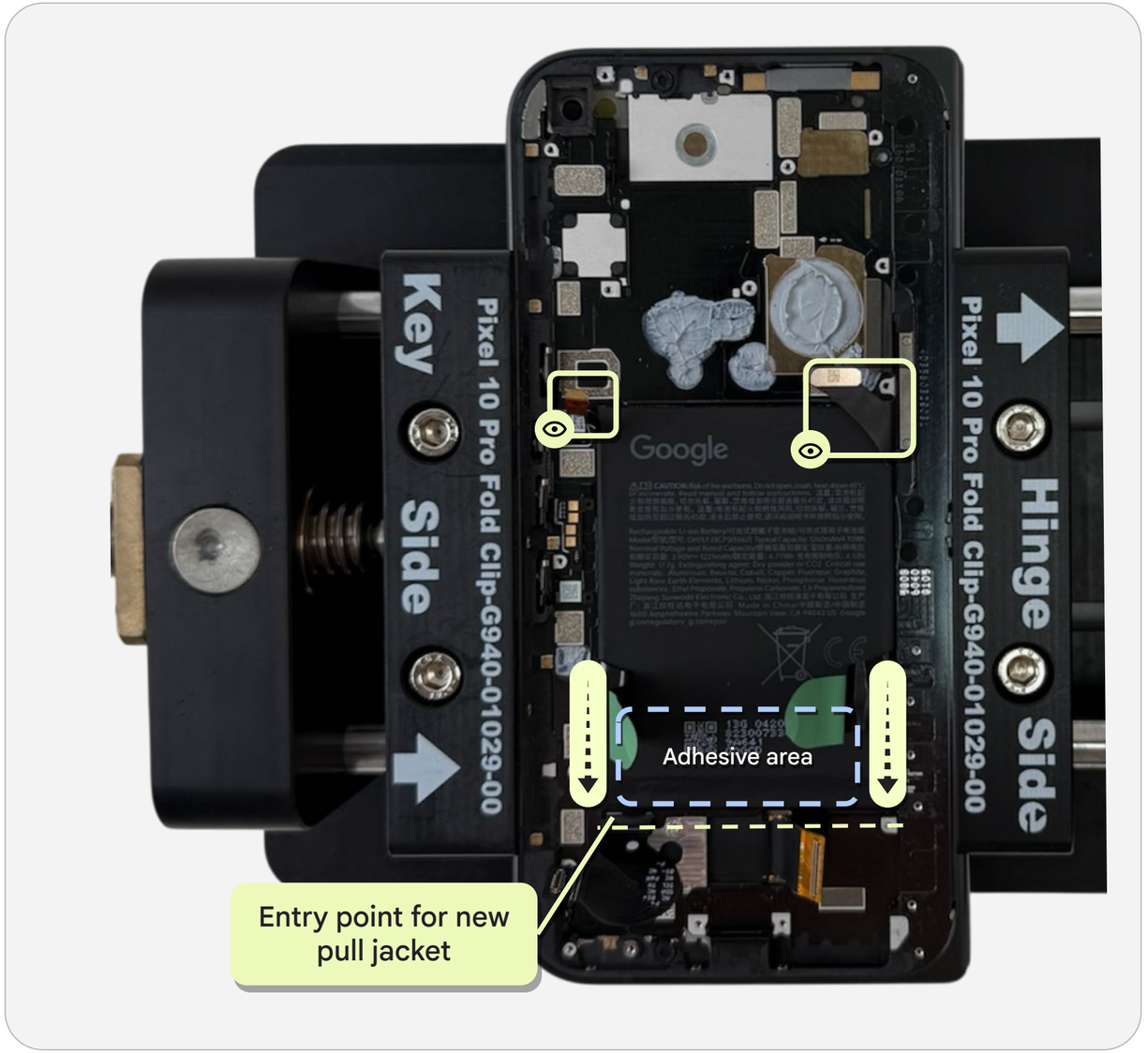
Use caution

Use safety gloves to handle damaged displays as they could splinter during removal and cause injury. Apply protective liner to the broken glass before removal.

Review all **safety precautions** before you begin work.

Adjust the pull jacket

- Secure the fixture on the working surface.
- Fold the device, and secure it on the fixture.
- Wear ESD finger cots to increase friction to prevent slipping.
- Move the **pull jacket** downward to scrape the bottom PSA entirely. *Don't* move over the yellow dot line. Take out the battery carefully to avoid damaging the FPS FPC and bottom bridge FPC.



Note

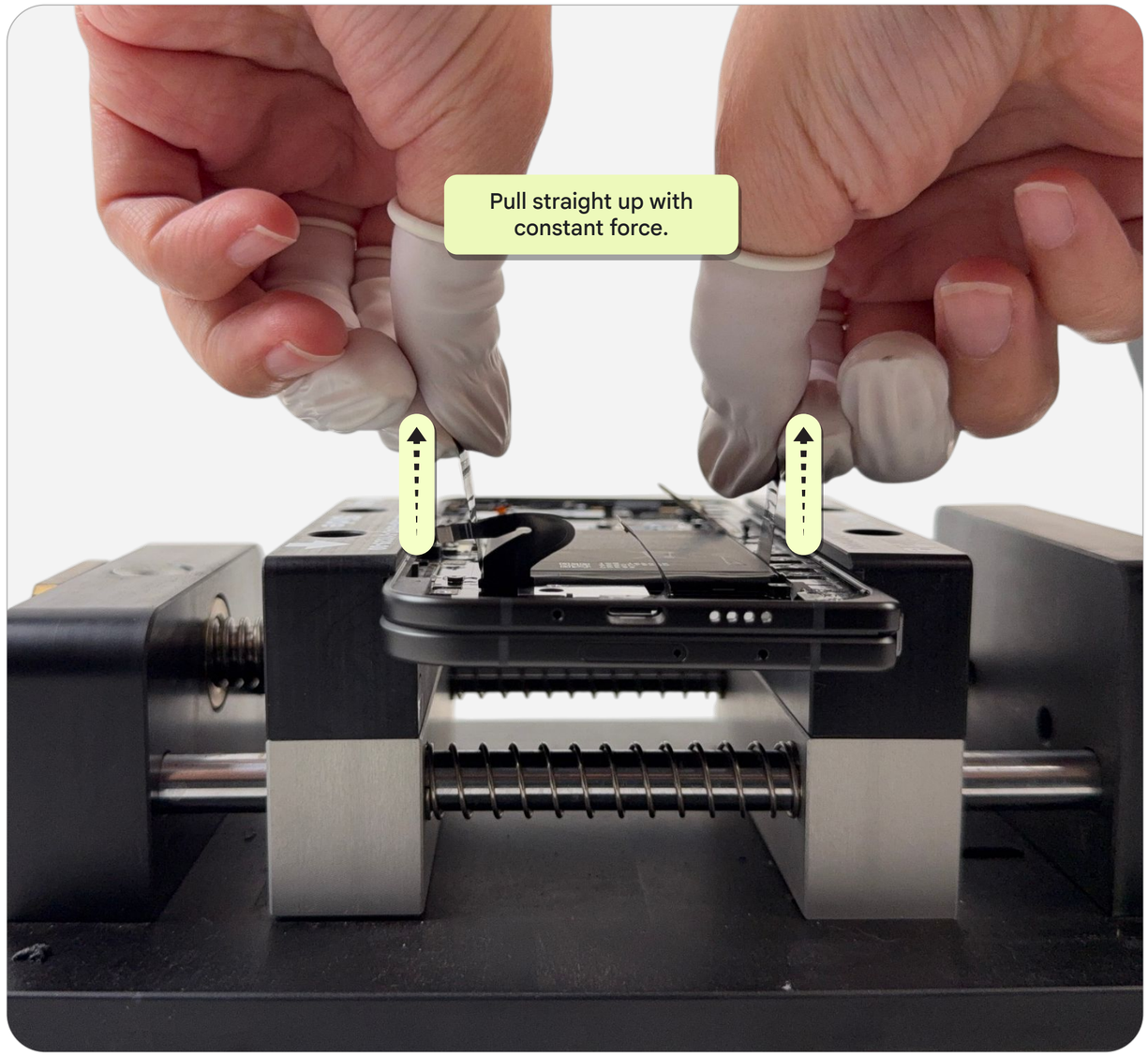
If the pull jacket breaks, **insert a new flip pull jacket** (G806-15967-00) through the opening on the lower side of the base battery and reheat the device 3 minutes if it feels cooled down.

Finished! Want assembly instructions? ➜

Remove the battery

- Grip the **pull jacket** with your fingers and pull straight up with steady force to separate the adhesive under the **base battery**.
- Gently remove the **base battery** and store it safely.

Part: multiple part numbers (base battery)



Use caution

Lift the battery as soon as the device leaves the heat plate before the adhesive cures.

Keep small screws and sharp objects away from the battery.

***Don't* reuse the part.**

Note

Wear finger cots to increase friction.

ID (inner display) sub

Base side

If you reuse the ID sub, verify that any thermal paste or adhesive residue is completely removed.

Use caution

Review all safety precautions before you begin work.

Prerequisites

Here's the list of components that you should remove first:

- **BC sub**
- **Vibrator with cowling**
- **mmWave module**
- **Inner front camera**
- **Bottom speaker**
- **Logic board**
- **Base battery**

Tools

Torx plus 3IP screwdriver

Tweezers

Spudger

Dust-free cotton swabs

Ethanol and cloth

Required parts

Inner display sub (base side)

If you reuse the enclosure, verify that any thermal paste or adhesive residue is completely removed.

Reuse indications — Reusable without cleaning | Reusable after cleaning | Not reusable after disassembly

ID sub
Multiple part numbers



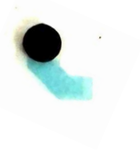
Sidekey module
(included in inner display sub)
G949-01702-00



Mic 3 membrane
G806-15892-00



Mic 1 membrane
G806-15893-00



Mic mesh
G806-15917-00



Inner FCAM foam
G806-15941-00



Sidekey flex wall CPSA_down
G806-16121-00



Sidekey flex CPSA_down
G806-16120-00



Sidekey flex CPSA_up
G806-15702-00



Sidekey flex wall CPSA_up
G806-15703-00



FPS flex CPSA
G806-15992-00



FPS flex PSA
G806-16213-00

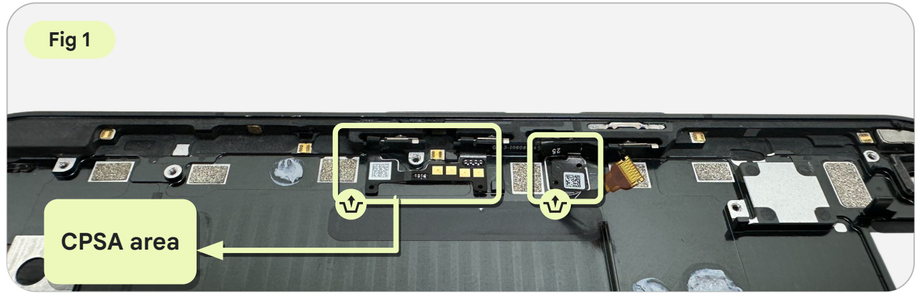


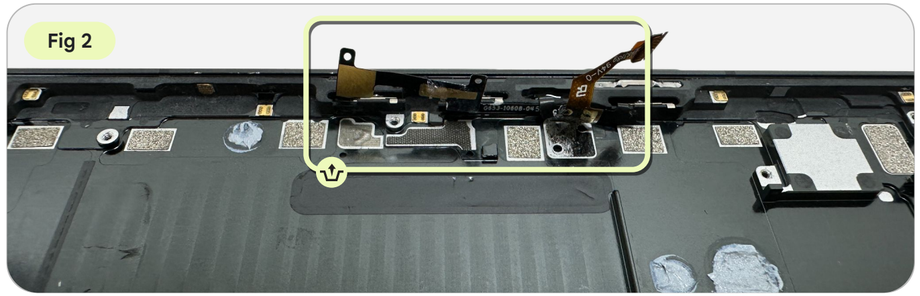
Finished! Want assembly instructions? ➜

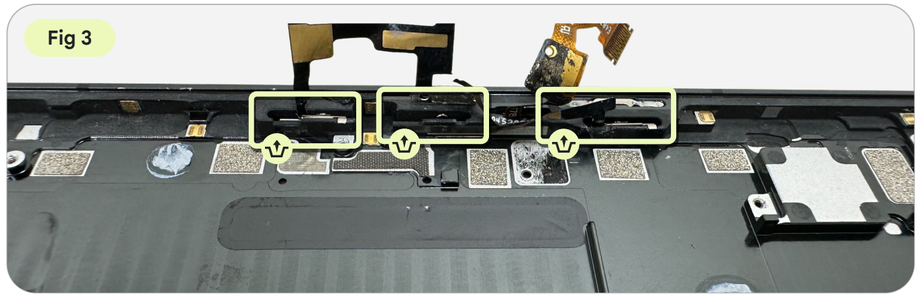
Remove the side key

- Release and lift up the FPS and side key FPC from the enclosure, as shown in **Fig 1 and Fig 2**.
- Gently pull upward on the side key FPC to remove the **side key module,** as shown in **Fig 3**.

Part: G949-01702-00 (sidekey module)







Note

***Don't* reuse the part.**

The inner display sub includes the side key. **Only perform this step if the side key is damaged.**

Use caution

Be careful not to damage the FPS FPC when you remove the side key module. If damaged, you must replace the entire inner display subassembly.

Pixel 11 Pro Fold repair manual

Assembly-base

Inner display sub

Inner front camera

Base battery

Rear camera

Vibrator

mmWave module and IF FPC

Logic board

Bottom speaker

BC sub

Assembly instructions

ID (inner display) sub

Base side

Replace the sidekey flex CPSA

- Use a **spudger** to remove remaining adhesive from the **enclosure**. Clean with a **dust-free cloth** and **Ethanol**, as shown in **Fig 1**.
- Apply the **sidekey flex CPSA**, **up and down** to the designated position, as shown in **Fig 2**.
- Use a **spudger** to firmly press over the CPSA, to ensure strong adhesion.

Part: G806-15702-00 (sidekey flex CPSA_up)

Part: G806-16120-00 (sidekey flex CPSA_down)

Part: G806-15992-00 (FPS flex CPSA)

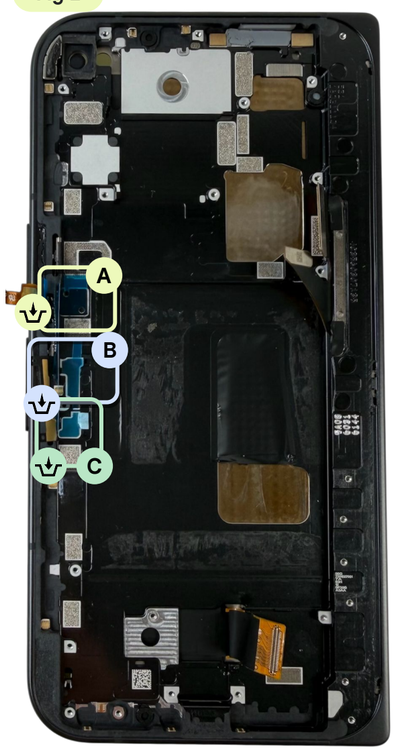
Note

***Don't* remove the release liner yet.**

Fig 1



Fig 2



A: G806-15992-00 **B:** G806-15702-00 **C:**G806-16120-00

Replace the sidekey CPSA and FPS flex PSA

- Use a **spudger** to remove remaining adhesive from the sidekey wall of **enclosure** and FPS flex. Clean with a **dust-free cloth** and **Ethanol**.
- Apply the **sidekey flex wall CPSA**, **up and down**, and **FPS flex PSA** to the designated position, as shown in **Fig 1**.
- Use a **spudger** to firmly press over the CPSA, to ensure strong adhesion.

Part: G806-16121-00 (sidekey flex wall CPSA_down)

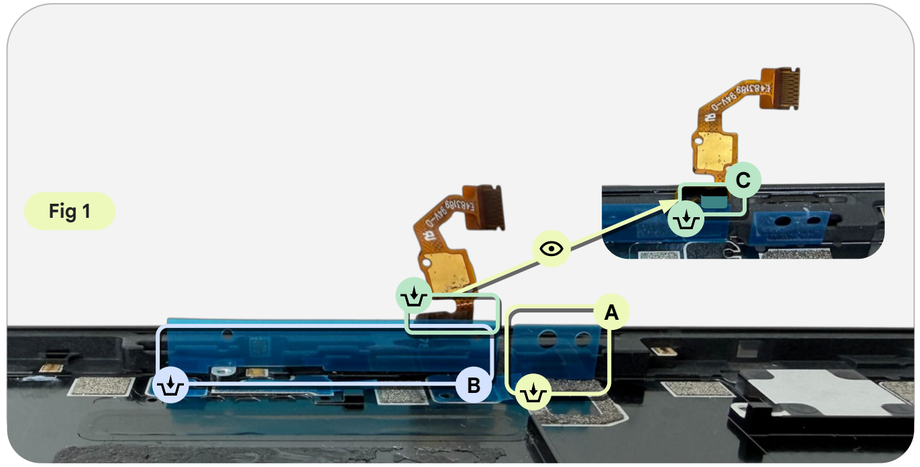
Part: G806-15703-00 (sidekey flex wall CPSA_up)

Part: G806-16213-00 (FPS flex PSA)

Note

***Don't* remove the release liner yet.**

Fig 1



B: G806-16121-00 **A:** G806-15703-00 **C:**G806-16213-00

Assemble the sidekey

- Tear of the three blue liner of sidekey flex wall and FPS flex PSA. Install the sidekey FPC to the middle frame, insert the **three metal support** into the gap, as shown in **Fig 1**.
- Push downward to fix the **metal support** to the designated position, as shown in **Fig 2**.
- Tear off the five blue liners and fold the sidekey flex to align the fixing holes, as shown in **Fig 3**.
- Fold the FPS flex to align the fixing hole, as shown in **Fig 4**.

Part: G949-01702-00 (sidekey)

Fig 1

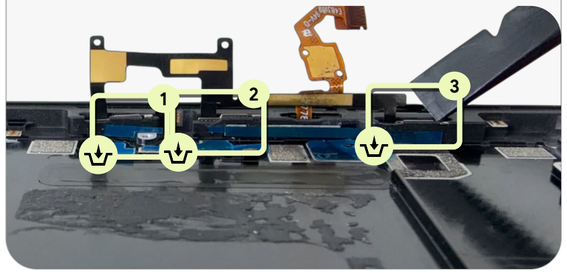


Fig 2



Fig 3

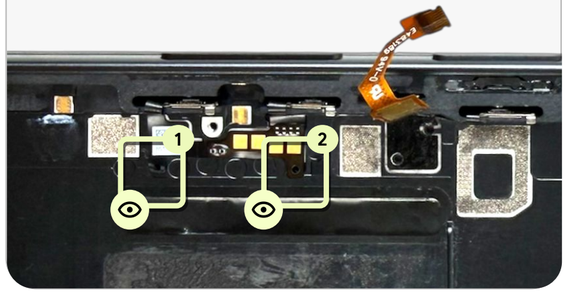
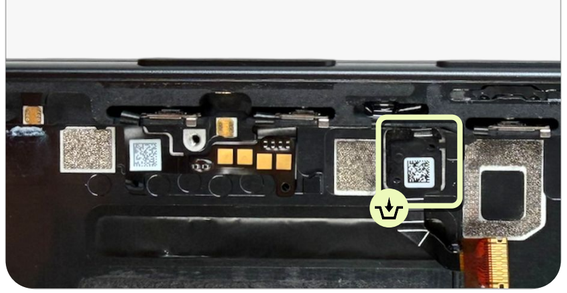


Fig 4



Reuse the ID sub or use new ID sub

- Use a **spudger** to remove remaining adhesive from the **enclosure**. Remove large chunks with fingers or **tweezers**. Clean with a **dust-free cloth** and **Ethanol**.
- Scrape **thermal grease** from enclosure areas with a spudger's flat end. Gently clean residue with a cloth.
- Remove **masking tapes** (no. 1 to no. 3) and the **wrap** on the **hinge** from the **base enclosure** for the new ID sub. Fold the liner of inner FCAM (no. 4) in advance to avoid interference with logic board assembling.

Part: G806-15941-00 (inner FCAM foam)

Use caution

Don't get conductive thermal grease on other components.

***Don't* use Ethanol to clean thermal grease.**

Note

If the inner FCAM PSA sponge is damaged or broken, replace it with a new one.

Paste the PSA sponge along the upper left corner as shown in figure.





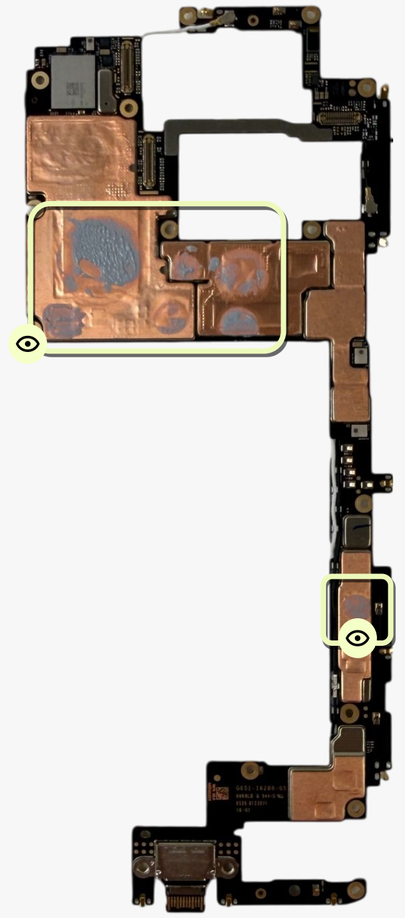
Reuse ID sub



New ID sub

Clean off the thermal grease

- Use the flat end of a **spudger** to scrape away the old thermal grease from the **logic board**.
- For any residue, gently clean the surface with a **dust-free cloth**.



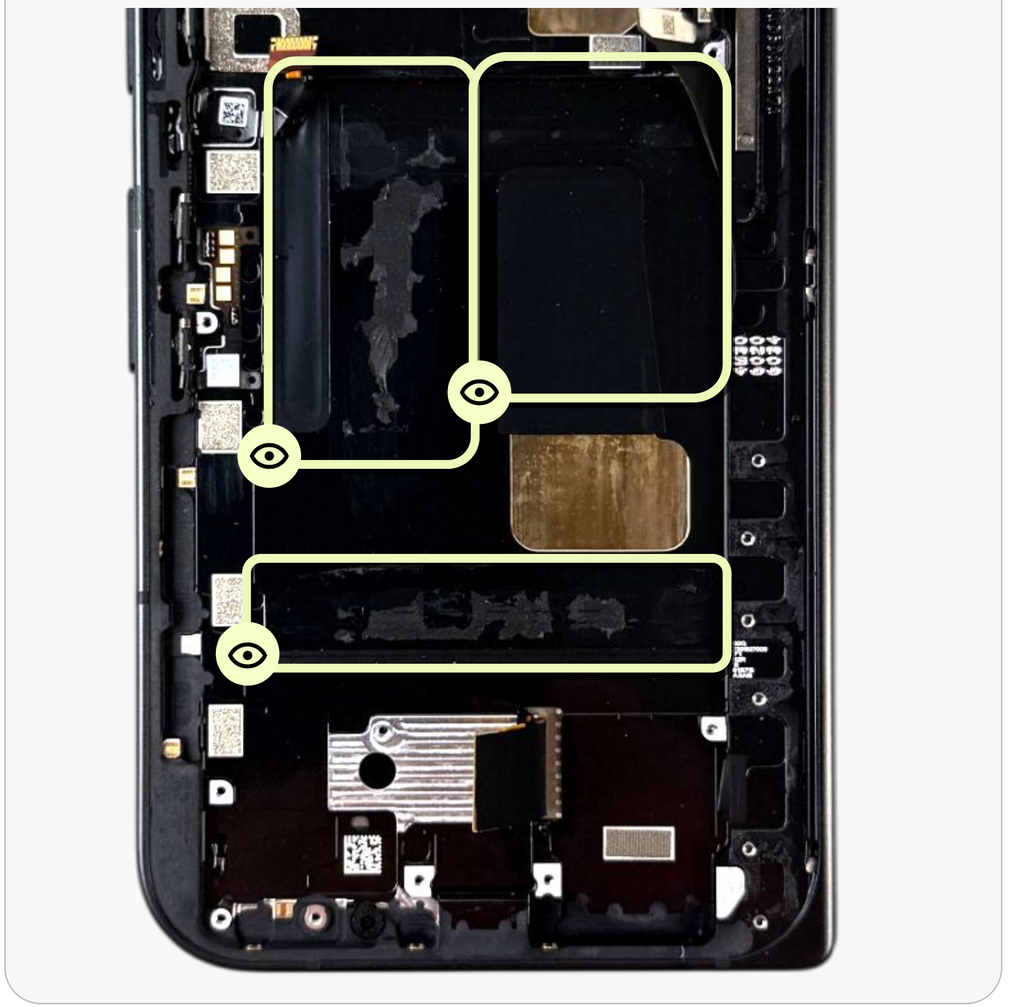
Use caution

Don't **get conductive thermal grease on other components.**

Don't **use Ethanol.**

Clean the base battery PSA residue

- Use a **spudger's** flat end to scrape up residue from the **base battery** area.
- Remove large adhesive chunks with your fingers or tweezers, then repeat for any remaining adhesive.
- Clean the base battery area with a **dust-free cloth** and **Ethanol**.



Use caution

Don't damage the black Kapton and copper foil when you remove the residual PSAs.



Paste the mic, mic 1, and mic 3 meshes

- Remove damaged mic, mic 1 and mic 3 meshes.
- Wrap a **spudger** with a **dust-free cloth**. Dip it in **Ethanol** and clean up any residue.
- Attach new meshes to the designated position.

Part: G806-15917-00 (mic mesh)

Part: G806-15893-00 (mic 1 membrane)

Part: G806-15892-00 (mic 3 membrane)



A: G806-15892-00 | **B:** G806-15893-00 | **C:**G806-15917-00

Use caution

Check the three meshes and replace them if they’re damaged.

Make sure that the environment is clean for this process.

Assembly instructions

Rear camera

Assemble the rear cameras

- The rear cameras have a modular design. When you use a new **tele camera module** as shown in **Fig 1**, remove the two blue liners, as shown in **Fig 3**.
- Apply a new **cable PSA** to the designated position, as shown in **Fig 2**.

Part: G949-01692-00 (rear camera_tele)

Part: G806-15955-00 (UW CAM foam)

Part: G806-15954-00 (wide CAM foam)

Part: G806-18431-00 (cable PSA)

Note

Replace the PSAs to the designated position on the frame.

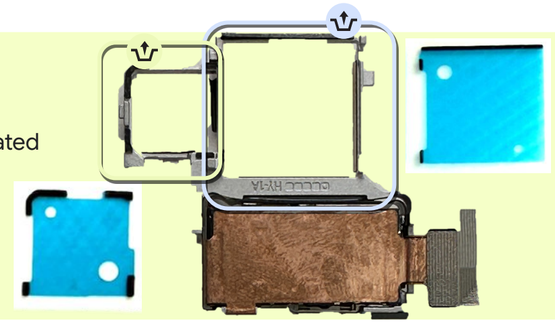


Fig 1

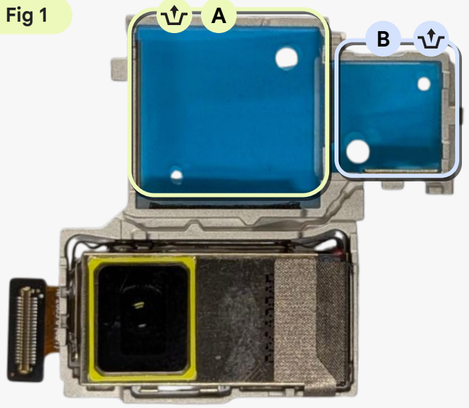
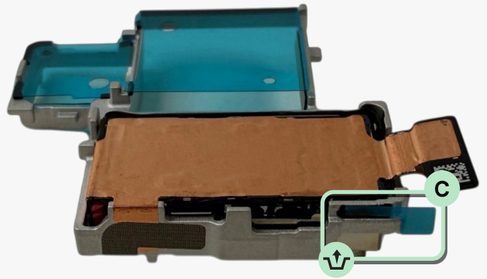


Fig 2

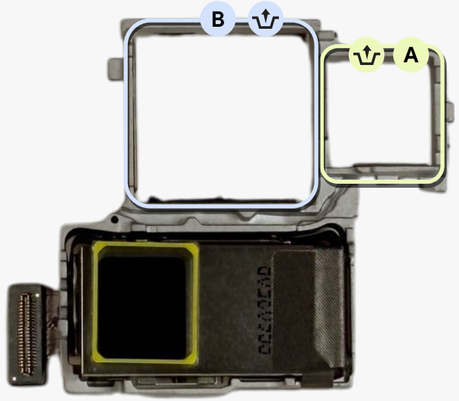


A: G806-15955-00

B: G806-15954-00

C: G860-18431-00

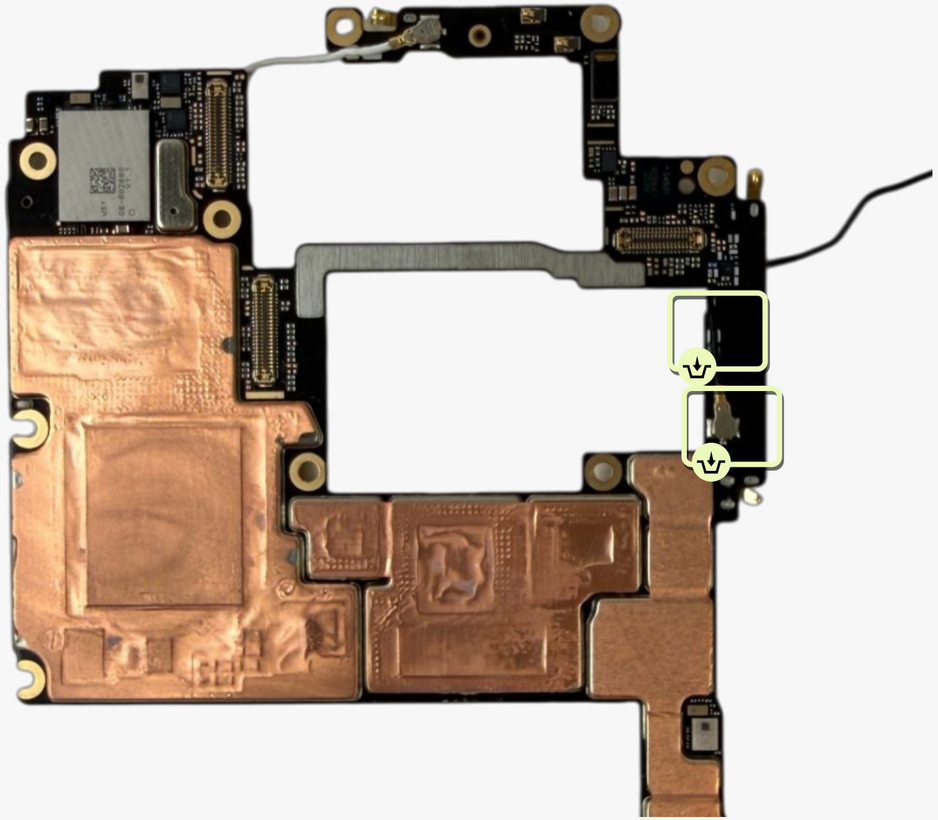
Fig 3



Install the coaxial cable

- Turn the l**ogic board** to the back side, and latch the **coaxial cable tip**.
- Run the cable through the recess under the **rear camera cutout** and onto the front side.

Part: G821-01223-00 (coaxial cable RCAM)



Note

The new logic board includes the coaxial cable.

Perform this step only if the cable is unlatched.

Connect the rear cameras

- Install the **rear camera_tele** to the **logic board**, and attach the **rear camera_tele** connector as shown in **Fig 1**.
- Tear off the liner and attach the cable on the PSA, as shown in **Fig 2**.
- Install the **rear camera_WIDE** to the **logic board** and attach the **WIDE** connector, as shown in **Fig 3**.
- Attach the **conductive fabric** on the connector, as shown in **Fig 4**.

Part: G949-01694-00 (rear camera_WIDE)

Part: G949-01692-00 (rear camera_tele)

Part: G806-18180-00 (conductive fabric)

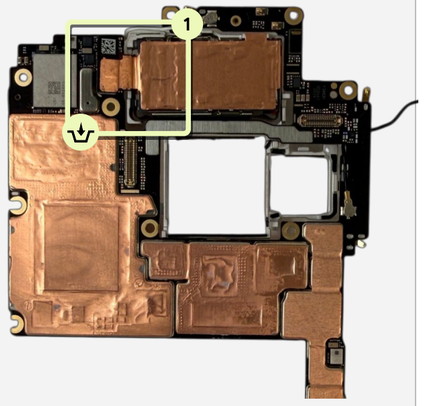
Part: G806-18431-00 (cable PSA)

Note

Make sure that every connector is securely attached to the logic board.

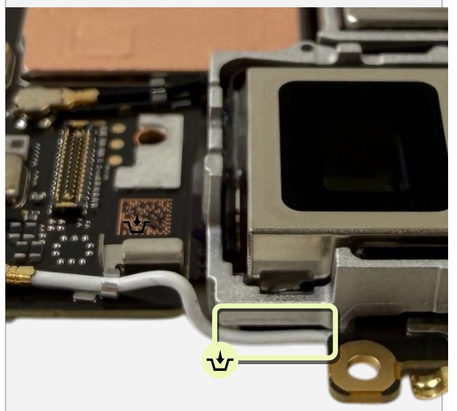
Take a close look at the connectors from different angles to help you align them properly.

Fig 1



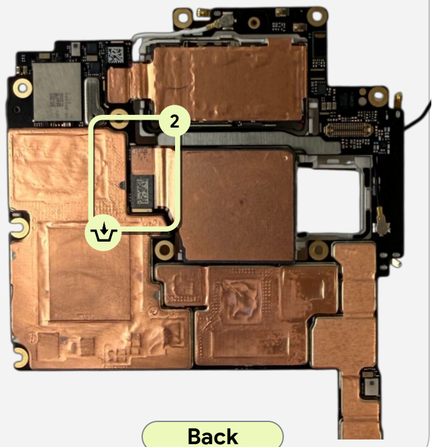
Back

Fig 2



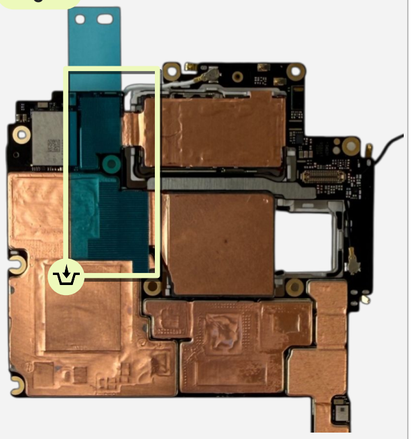
Front

Fig 3



Back

Fig 4



Back

Connect the rear cameras (continued)

- Install the **rear camera_UW** to the **logic board** and attach the connector, as shown in **Fig 5**.

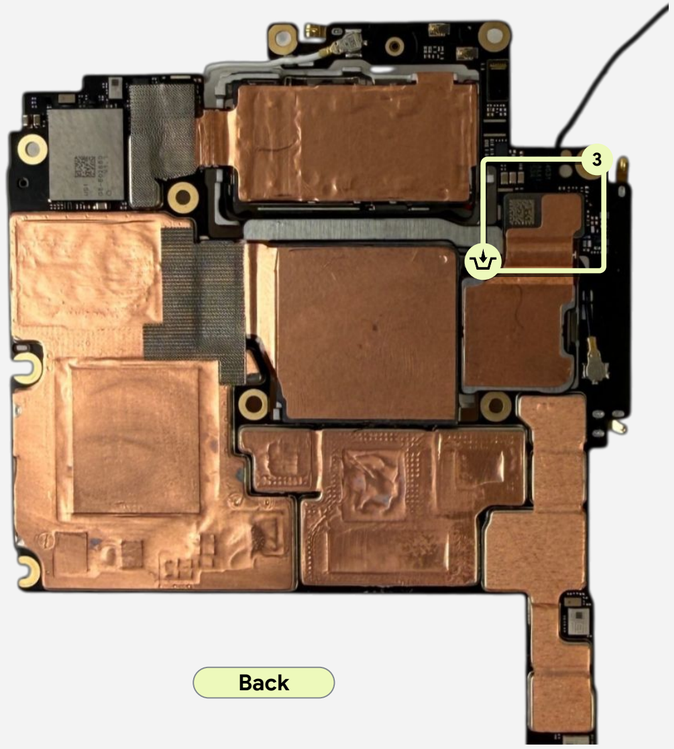
Part: G949-01693-00 (rear camera_UW)

Note

Make sure that every connector is securely attached to the logic board.

Take a close look at the connectors from different angles to help you align them properly.

Fig 5



Back

Assembly instructions

Logic board

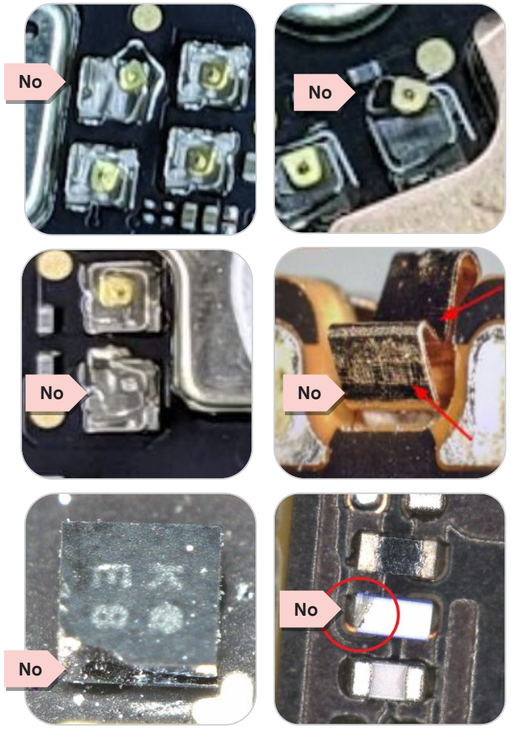
Check the logic board

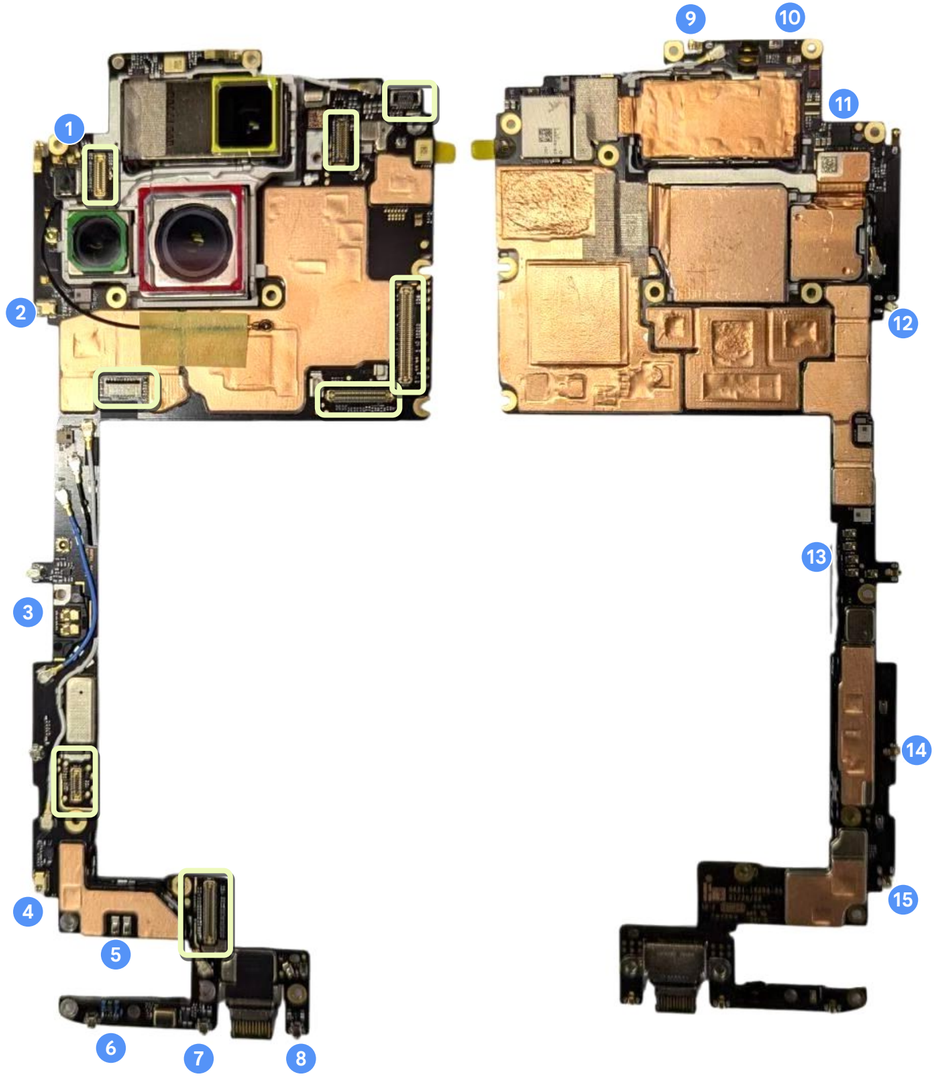
Use caution

Before you work on the logic board, check for spring deformation and damage to components near the edges.

Pay extra attention to the springs when you assemble to avoid damage to them.

General rules



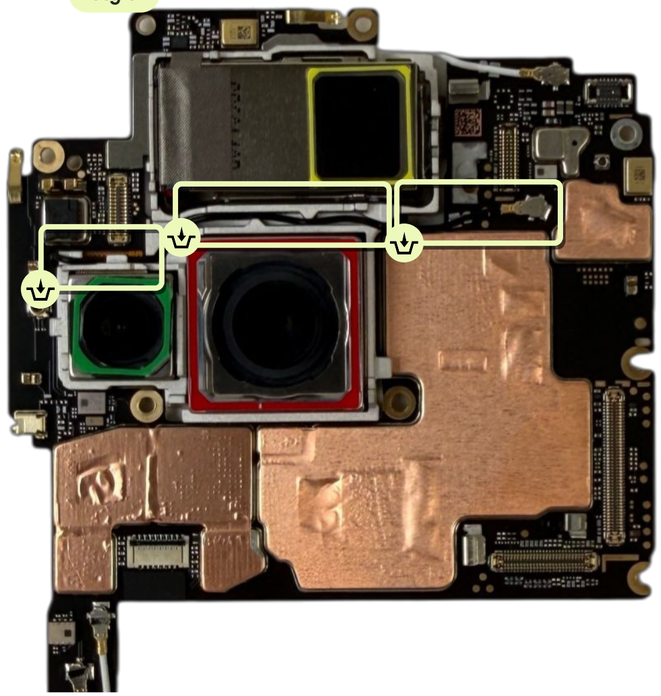


Fasten the coaxial cable

- Gently press the **coaxial cable** into the channels on the logic board with **tweezers**, as shown in **Fig 1**.
- Latch the **coaxial cable tip**.

Part: G821-01223-00 (coaxial cable RCAM)

Fig 1



Note

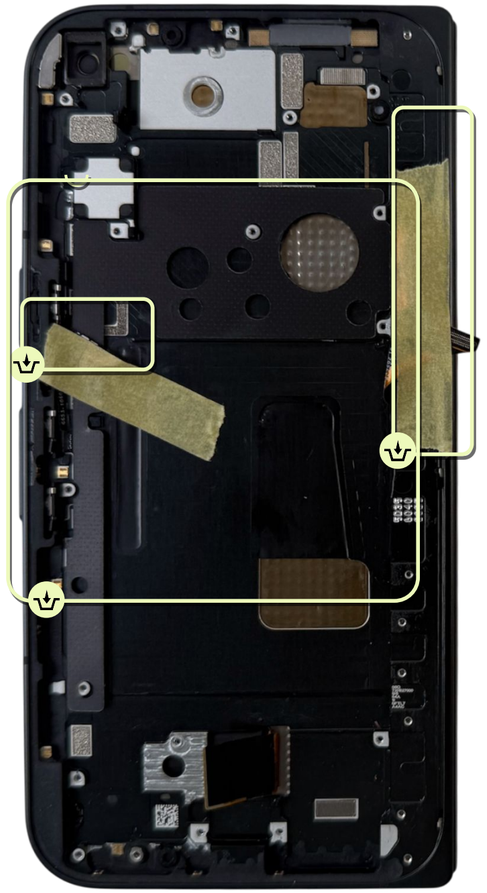
The new logic board includes the coaxial cable.

Perform this step only if the cable is unlatched.

Apply the masking tapes and grease guide

- Keep the **Pixel 11 Pro Fold thermal grease alignment fixture** on the enclosure, and secure base bottom bridge FPC, base right bridge FPC, and FPS flex with masking tape, as shown in **Fig 1**.

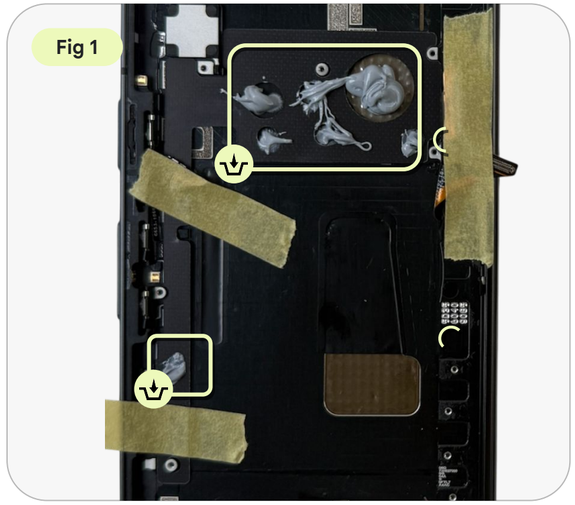
Fig 1

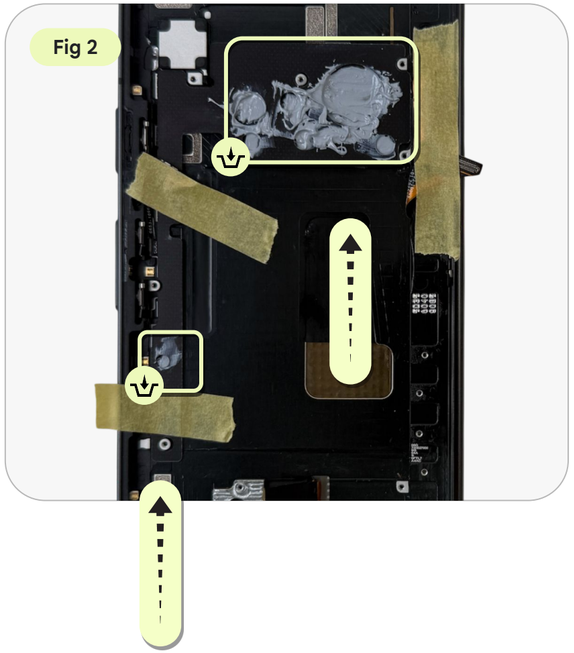


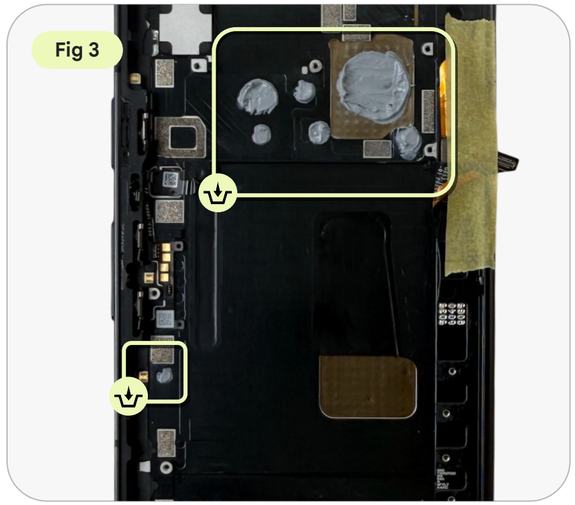
Apply the thermal grease

- Apply small beads (0.3 g ± 5%) of thermal grease into the seven cutouts, holding the fixture with the other hand, as shown in **Fig 1**.
- Distribute the grease evenly with an **opening pick** or **EVA sponge**, moving in a single upward direction, as shown in **Fig 2**.
- Lift **fixture** straight up to avoid contamination, as shown in **Fig 3**.

Part: G160-01058-00 (thermal grease)







Use caution

Review all safety precautions before you begin work.

Clean the Pixel 11 Pro Fold thermal grease alignment fixture and ESD spudger after each use.

Avoid applying conductive thermal grease to nearby components.

Note

Use a dust-free cotton swab to clean up any excess thermal grease.

Prepare for the assembly

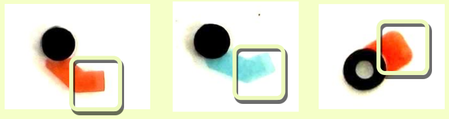
- If you use a new ID sub, remove the **top baro mesh and thermal pad liners, mic, mic 3**, **mic 1** liners and lift the **inner FCAM liner**.
- Lift the **base bottom bridge FPC** and **base right bridge FPC**, **inner display FPC**, and fold the **FPS FPC** downward to prevent them from being trapped under the **logic board**.

Note

Remove masking tape from the inner display, base top bridge, base bottom bridge, and FPS connectors.

For mic 1 and 3 liner, grab the end of the tab to move the liner.

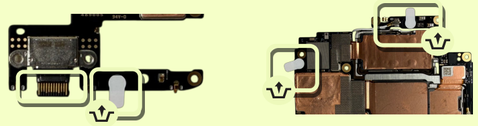
Leave the battery PSA liner in place.

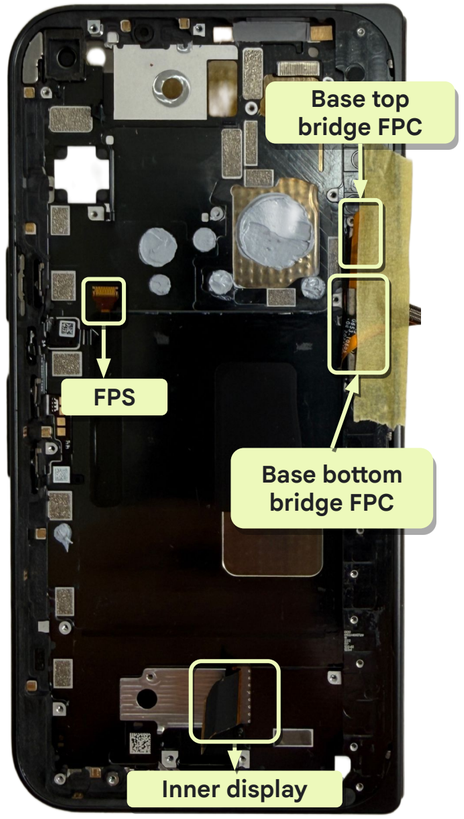


Note

Clean the rubber surface with dust-free cotton swabs before installation.

Remove the mic protective liners on the logic board if you use a new logic board.





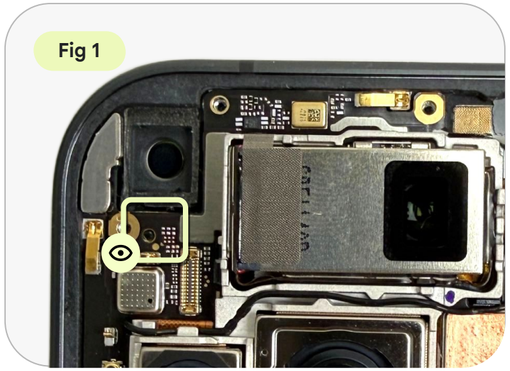
Reuse ID sub

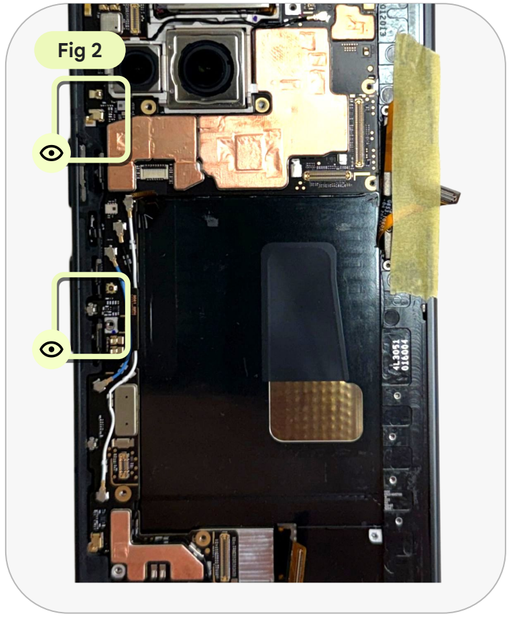


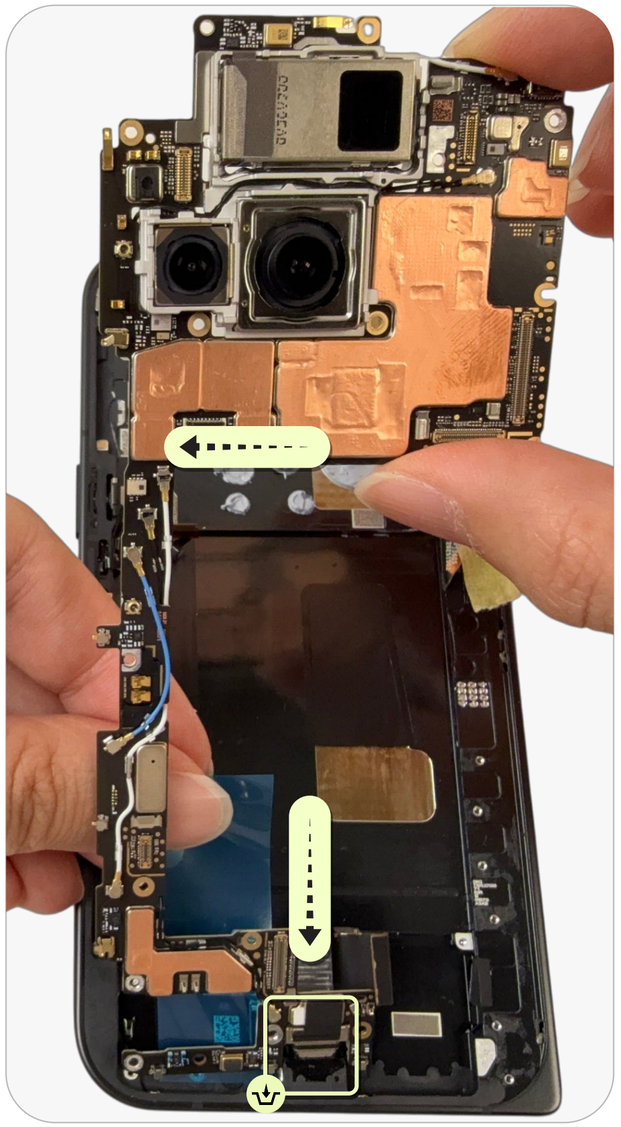
New ID sub

Assembly the logic board

- Keep a piece of **liner** on the mic 1 mesh located in the lower left corner of the **logic board**.
- Insert the sticking out lower tip of the **logic board** into the USB slot to install it downward, and pull out the inserted liner.
- Install the **logic board** by gently pushing it to the left to prevent spring damage.







Note

***Don't* wear gloves when you handle the logic board.**

During installation, make sure that the base top bridge, base bottom bridge, and FPS cables aren't trapped under the logic board.

Note

Make sure that the logic board is properly installed sits against the alignment pins, as shown in **Fig 1**, and it sits against the retaining wall, as shown in **Fig 2**.

Screw the logic board in place

- Tighten the two **logic board screws**.
- Tighten the screws a second time to make sure that there's firm attachment.

Part: G250-08272-00 *2 (screws)



Note

***Don't* reuse the screws.**

Note

Make sure that the logic board is properly installed and sits against the alignment pins.

Assembly instructions

Inner front camera

Attach the inner FCAM

- Remove the **inner FCAM cap** and **protective film** before installation, if you use a new inner FCAM or new ID sub.
- Assemble the **inner FCAM** in the **enclosure** slot.
- Connect the **inner FCAM connector** to the **logic board**.

Part: G949-01691-00 (inner front camera)



Note

Check if every connector is fully attached to the logic board.

Reuse the base cowling

- Use a **spudger** to remove residual adhesive from the **cowling**.
- If residue remains, clean the surface with a **dust-free cloth** and **Ethanol**.
- Apply a new **flam flex CPSA** and **PSA** to the designated position, as shown in **Fig 2**.

Part: G730-10300-00 (base cowling)

Part: G806-15869-00 (flam flex CPSA)

Part: G806-15870-00 (flam flex PSA)

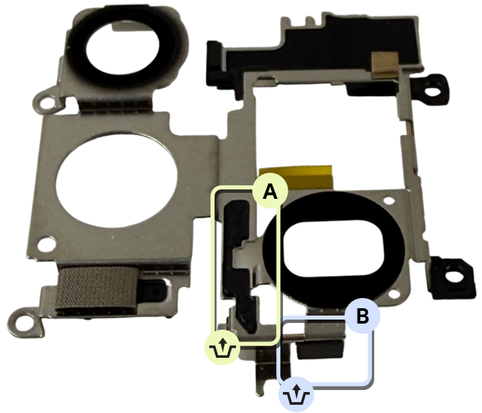


Fig 1

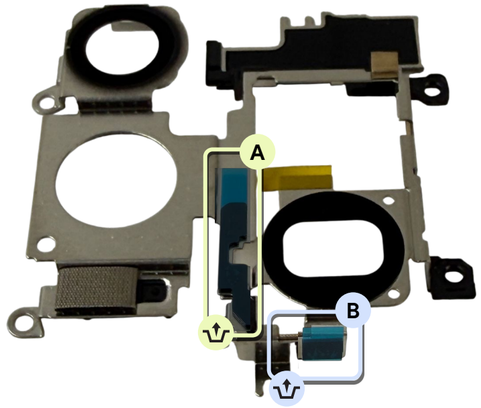


Fig 2

A: G806-15869-00

B: G806-15870-00

Note

The base cowling comes with the PSA. Perform this step only when you reuse the part.

Place the base cowling

- Install the **base cowling**. The left side of base cowling has a latch, as shown in **Fig 1**.
- Tighten the five base cowling screws.
- Tighten the screws a second time for a secure fit.
- Tear off the lens liners and attach a **screw stopper** on screw #3, as shown in **Fig 2**. *Don't* touch the near flash springs to avoid damage.

Part: G730-10300-00 (base cowling)

Part: G250-08271-00 *3 (screws)

Part: G852-05823-00 (screw stopper)

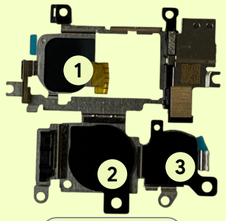
Part: G250-08559-00 *2 (screws)

Note

***Don't* reuse the screws.**

Note

Remove lens liners from a new base cowling.



Back



A: G250-08271-00



B: G250-08559-00

Assembly instructions

Vibrator

Screw the vibrator

- Install the **vibrator**.
- Push the vibrator to right side before you fasten the no. 1 screw. Tighten the three vibrator screws.
- Tighten the screws a second time for a secure fit.

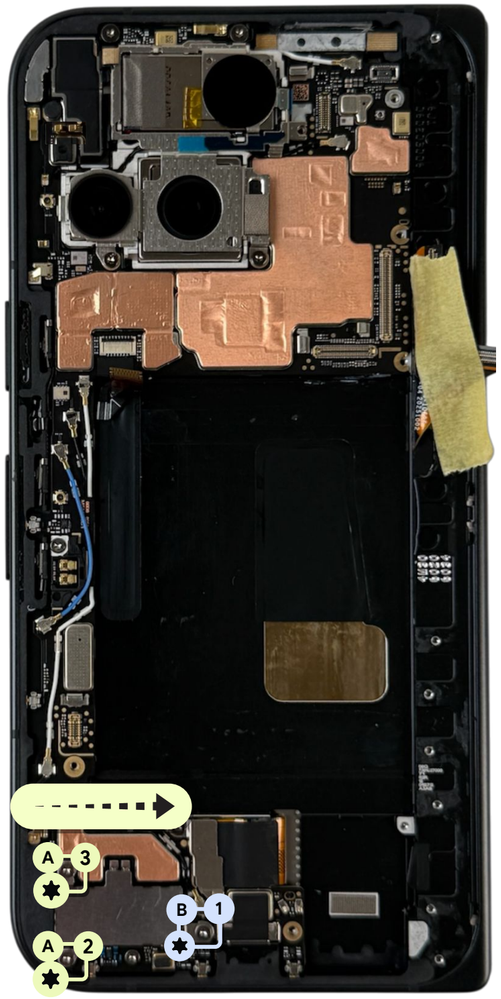
Part: G690-12646-00 (vibrator)

Part: G250-08274-00 (screw)

Part: G250-08273-00 *2 (screws)

Note

***Don't* reuse the screws.**



A: G250-08273-00 **B:** G250-08274-00

Assembly instructions

Bottom speaker

Connect the ID

- Connect the **ID** to the **logic board** and apply **conductive fabric** to the designated position, as shown in **Fig 1**.
- Insert the **ID cowling** into the hook.
- Fasten the **ID cowling screw** with a torx plus 3IP screwdriver**.**
- Tighten the screws a second time for a secure fit.

Part: G806-17962-00 (ID conductive fabric)

Part: G730-10353-00 (ID cowling)

Part: G250-08271-00 (screw)

Note

Check if every connector is fully attached to the logic board.

Note

Apply conductive fabric only when you use the new ID sub.



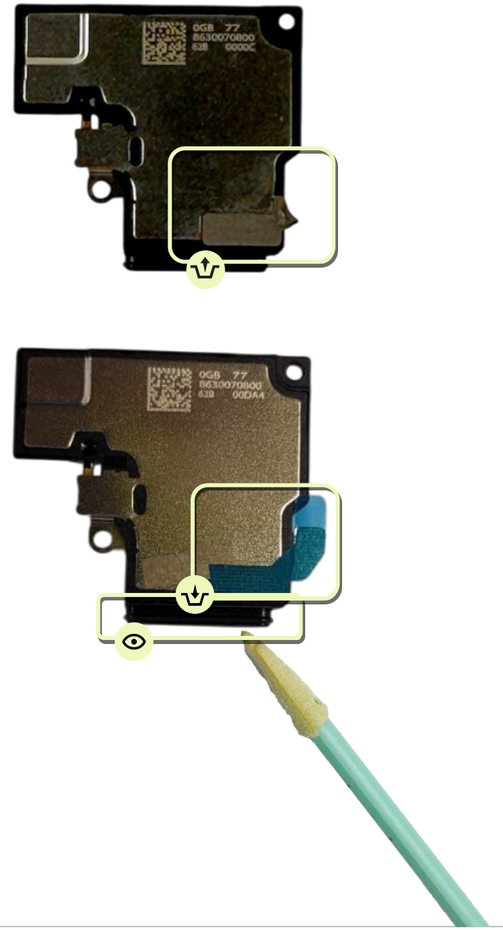


Apply the bottom speaker tape

- If you reuse the **bottom speaker**, remove the adhesive with a spudger. Wrap a spudger with a **dust-free cloth**. Dip it in **Ethanol** to clean residue.
- Apply the **conductive fabric** to the bottom speaker and align it with the curve in the upper left corner.
- Clean the **rubber** in the bottom with a dust-free cotton swab.

Part: G863-00708-00 (bottom speaker)

Part: G806-15882-00 (conductive fabric)

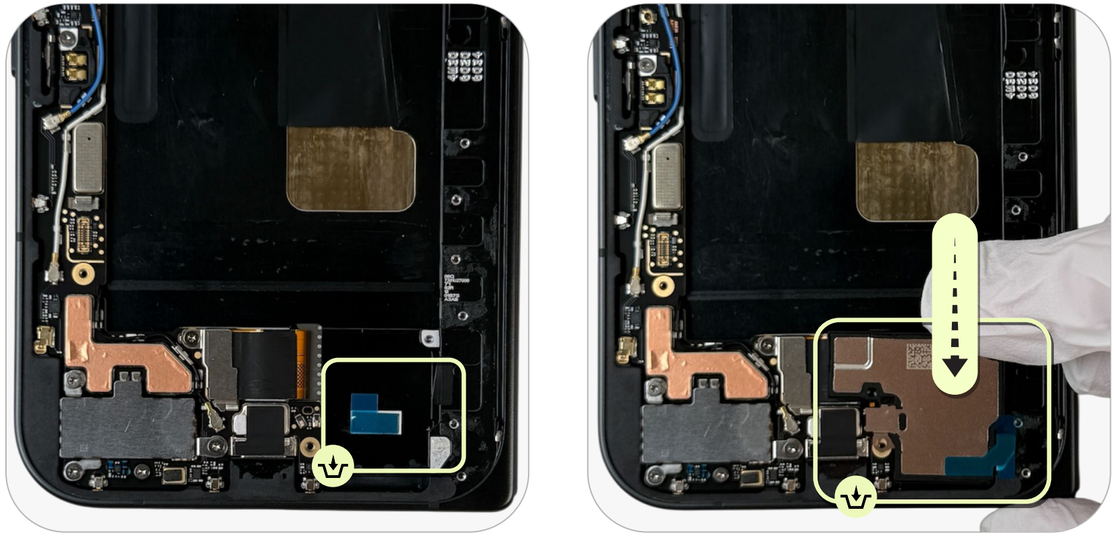


Attach the bottom speaker

- Remove any residual **bottom speaker CPSA** and replace it with a new one if you reuse the **enclosure**.
- Tear off the blue liner.
- Install the **bottom speaker** at an angle under the **enclosure rim**.
- Press down for **five** seconds.

Part: G806-15939-00 (bottom speaker CPSA)

Part: G863-00708-00 (bottom speaker)



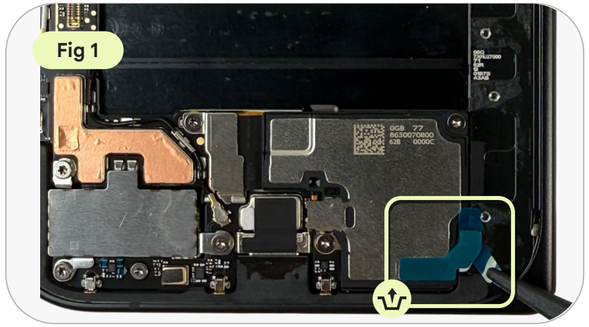
Secure the bottom speaker

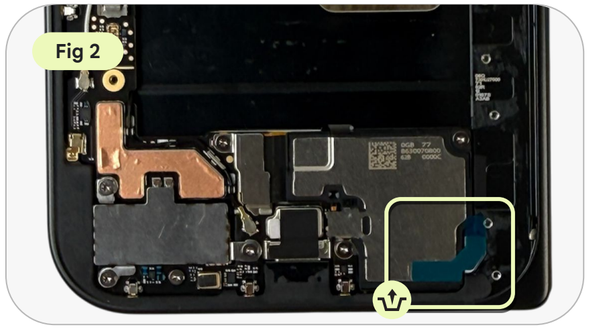
- Tighten two bottom speaker screws.
- Tighten the screws a second time for a secure fit.
- Peel off the liner from the opposite side of the conductive tape and paste on the designated position, as shown in **Fig 1**. Peel off the rest of the liner as shown in **Fig 2**.

Part: G250-08273-00 *2 (screws)

Part: G806-15882-00 (conductive fabric)







Assembly instructions

Base battery

Apply the AP111 primer

- Evenly apply the **primer** across the **base battery enclosure's** entire surface.



Part: multiple part numbers (base battery)

Use caution

Review all safety precautions before you begin work.

Make sure that the battery cosmetic checks are completed.

Position the base battery

- Confirm the battery model to be **GH7LF**, as shown in **Fig 1**. If the model number isn't **GH7LF**, *don't* use the battery.
- Use an **adsorption bulb** with a smaller suction cup to pick up the battery.
- Align it to the **upper-right** corner of the depression and push it to upper side and right side as much as possible.
- Remove the adsorption bulb and the **white liner** carefully.

Fig 1



Use caution

Review all safety precautions before you begin work.

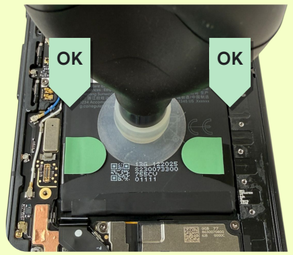
Note

Fix the two bridge FPCs by masking tape and the white liner ensures that the battery is in the correct position.

Don't remove it prior to the installation.

Note

Don't use the suction cup on the pull jacket.



Press the base battery

- Keep the **universal supporting rubber #2** on the **universal holder #2**, and keep the **universal holder limiting block #2** on top.
- **Keep the fixture** in **D2** position on the **universal base**.
- Keep the **Pixel 11 Pro Fold base battery press rubber** on top of the **universal holder #2**, as shown in **Fig 1**.
- Keep the **universal press plate 12 mm** on the **Pixel 11 Pro Fold base battery press rubber**, as shown in **Fig 2**.
- Keep it in the **universal press fixture**. Press the handle down for **30** seconds, as shown in **Fig 3**.

Fig 1

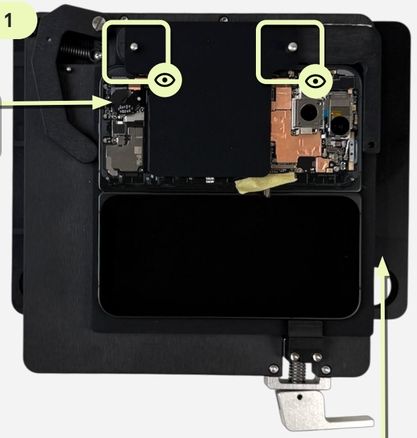
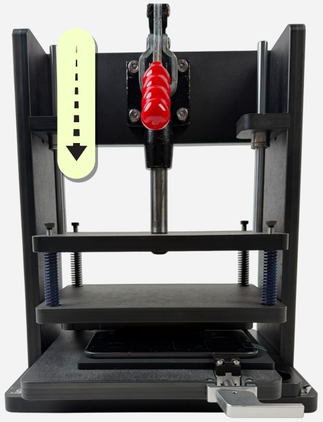


Fig 2



Fig 3



Use caution

Keep your hands clear during operation.

Note

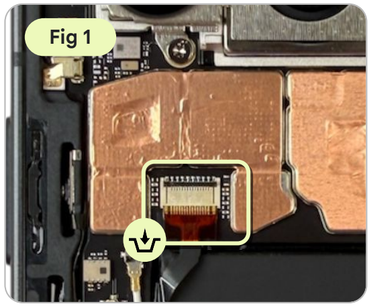
Make sure that all protective films are removed before you press.

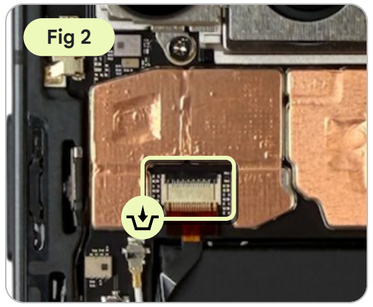
Fix bridge FPC or FPS FPC and battery FPC with the masking tape to avoid press.

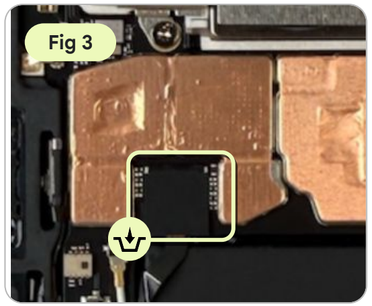
Insert the FPS flex to ZIF connector

- Insert the **FPS flex** into the **ZIF housing**, to ensure full seating, as shown in **Fig 1**.
- Lock the **latch** for secure connection, as shown in **Fig 2.**
- Apply **mylar** for insulate and protect, as shown in **Fig 3**.

Part: G806-19665-00 (FPS mylar)

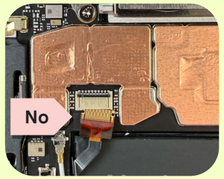






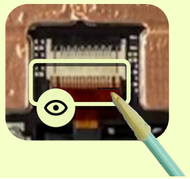
Note

Check if the FPS flex cable is fully seated in the housing.



Note

Clean the flex cable with dust-free cotton swabs before you apply the FPS mylar.



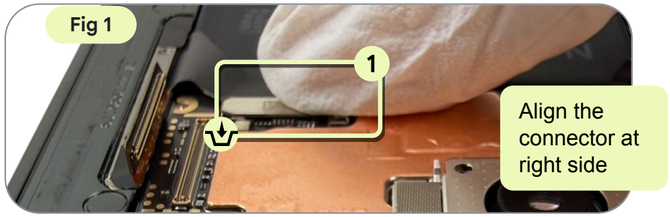
Connect the base bridges

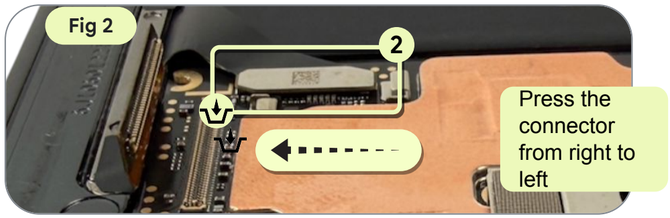
- Connect the **base bottom bridge** and **base right bridge** to the **logic board**.
- Follow the arrow direction to snap the connector from right to left, then smooth it down evenly.

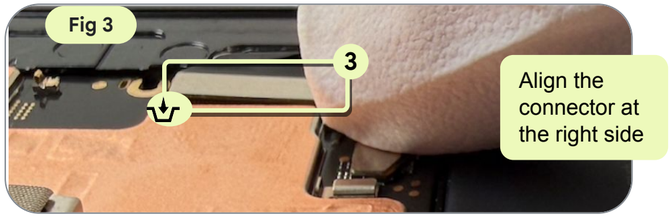


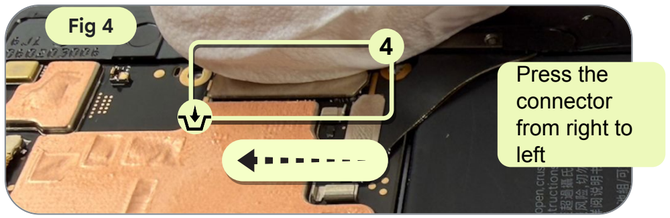
Note

Check that two connectors are fully engage to the **logic board**.









Install the base bridge cowlings

- Insert the **base right bridge cowling** into the hook and screw the cowling screw into place with a **torx plus 3IP screwdriver**.
- Insert the **base bottom bridge cowling** into the hook and screw the cowling screw into place with a **torx plus 3IP screwdriver**.
- Tighten the screws a second time for a secure fit.

Part: G730-10302-00 (base right bridge cowling)

Part: G730-10303-01 (base bottom bridge cowling)

Part: G250-08271-00 (screw)

Part: G250-08272-00 (screw)



A: G806-08271-00

B: G806-08272-00

Apply the 3M AP111 primer

- Apply **Ethanol** around the **enclosure's** edges with a **dust-free cotton swab**.
- Apply one round of **3M AP111 primer** around the **enclosure's** edges with a **dust-free cotton swab**.



Use caution

After the primer is applied, complete the assembly in 25 minutes.

Align the BC PSA

- Slowly remove the larger liner from the **adhesive sheet** to expose the adhesive.
- Keep the sheet over the device, to align it with the left and top side of the **enclosure**.

Part: G806-15777-00 (BC PSA)



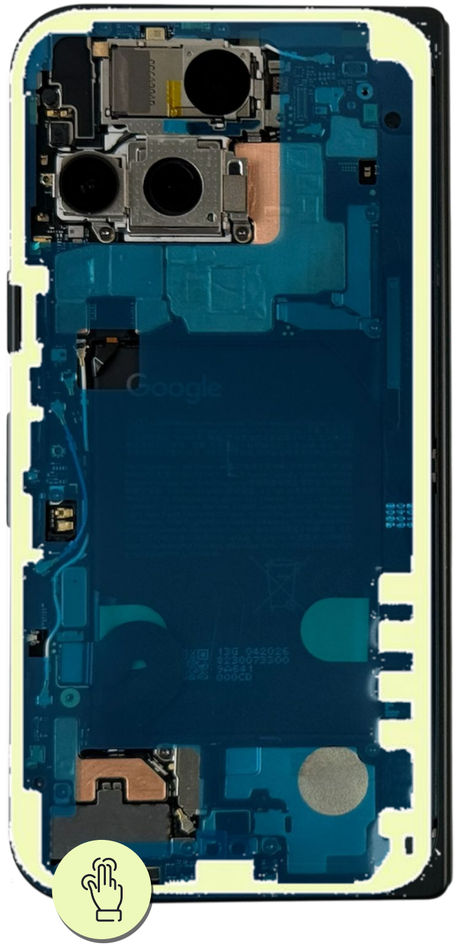
Use caution

***Don't* touch the adhesive.**

If it gets dirty, replace it.

Activate the adhesive

- Make sure that the **adhesive** is fully seated on the **enclosure**.
- Activate it with a **spudger**.



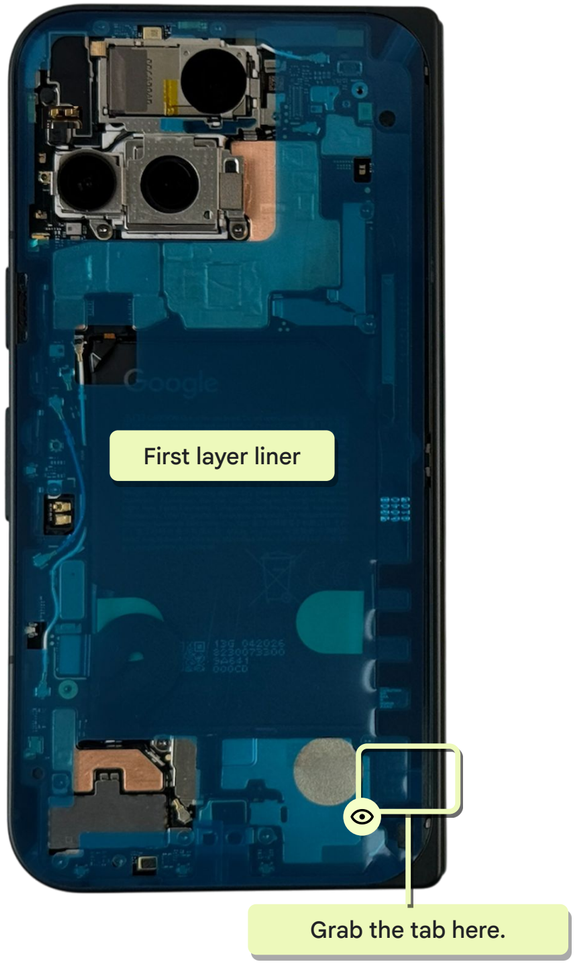
Remove the liner (first layer)

Pull the tab carefully to remove the liner.

Use caution

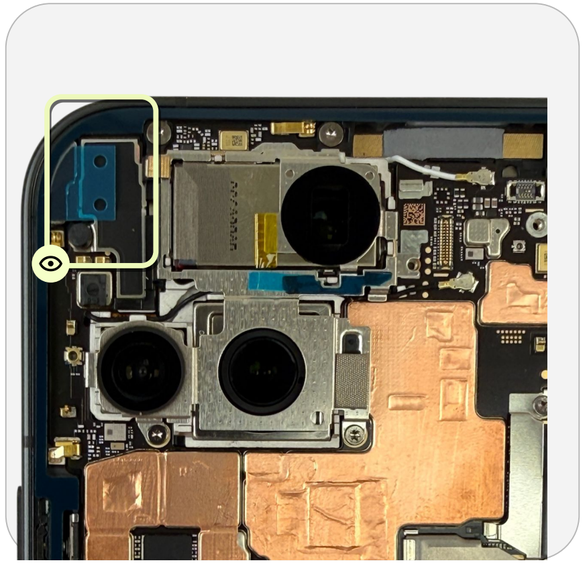
Don't **lift the adhesive.**

Don't **remove the second layer of the liner.**



Attach the magnet PSA

Apply the **magnet PSA** to the designated position.



Part: G806-18283-00 (magnet PSA)

Connect the base battery

- Connect the **base battery** to the **logic board**, as shown in **Fig 1**.
- Insert the base battery **cowling** into the hook.
- Fasten the **base battery cowling screw** with a torx plus 3IP screwdriver.
- Tighten the screws a second time for a secure fit.

Part: G730-10304-01 (base battery cowling)

Part: G250-08271-00 (screw)

Note

Check if every connector is fully attached.

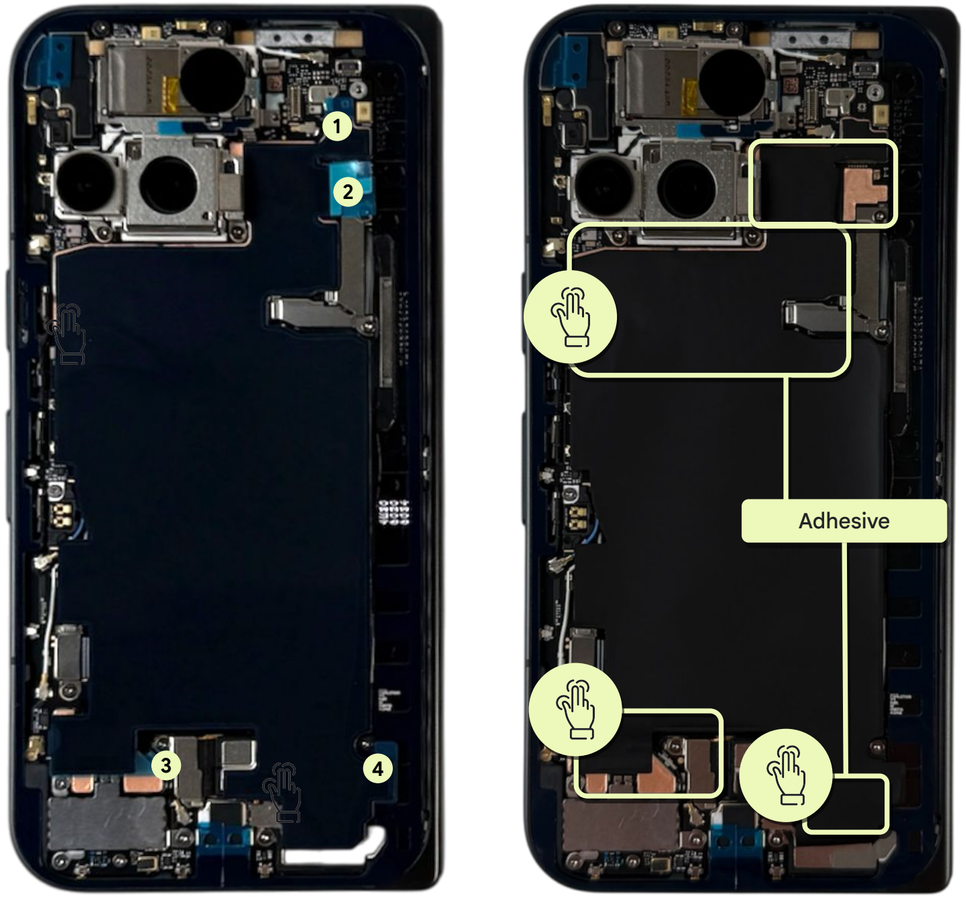




Apply the graphite sheet

- Align the **graphite sheet** with the outline.
- Press down on the **adhesive** to secure it and remove air pockets.
- Remove the liners (no. 1 to no. 4) and secure it.

Part: G864-01138-00 (graphite sheet)



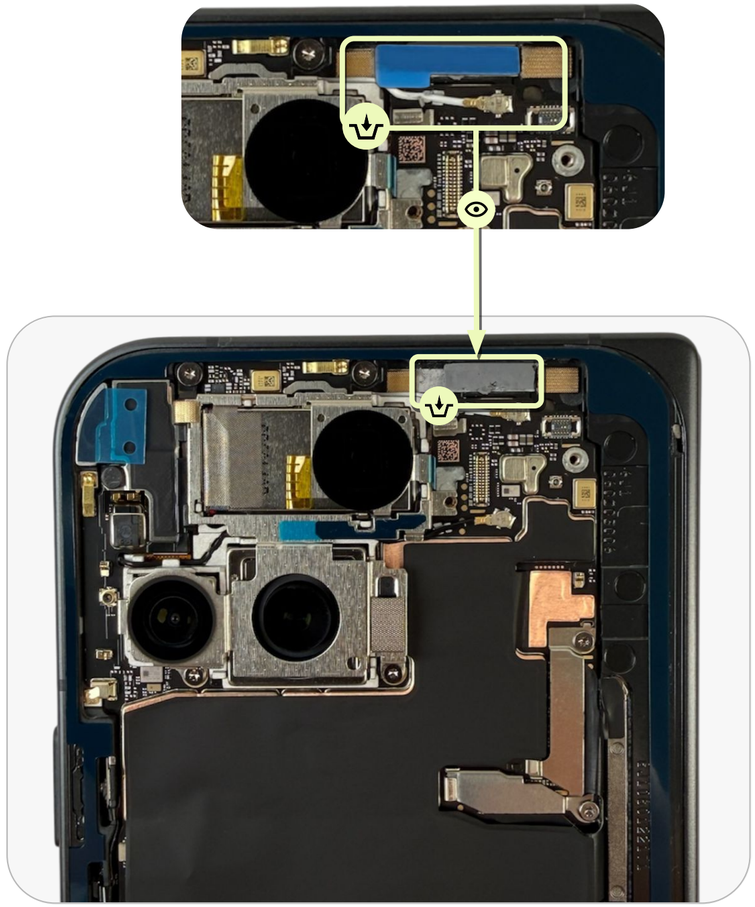
Assembly instructions

mmWave module and IF FPC

Reuse the mmWave module

- Use a **spudger** to remove residual thermal pad and replace the new **thermal pad** between the two FOFs.
- Tear off the blue liner.

Part: G864-01146-00 (mmWave thermal pad)



Connect the mmWave module and IF FPC

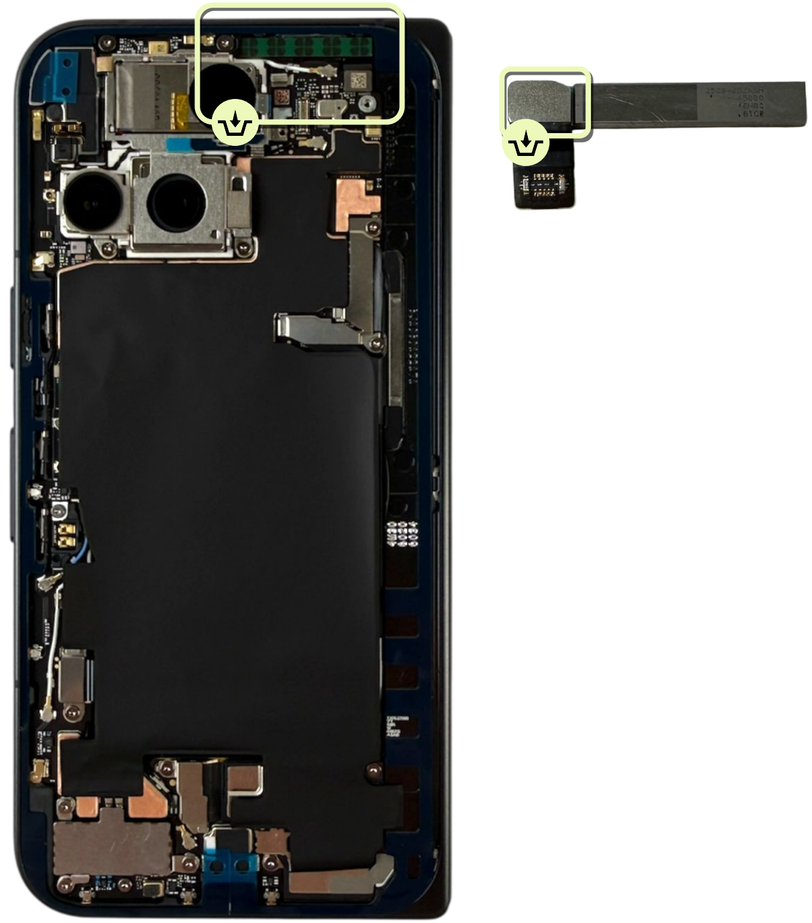
- Connect the **IF FPC** to the **mmWave module** straight up straight down.
- Keep the **mmWave module** and **IF FPC** onto the **enclosure**, and connect it to the **logic board**.

Part: G345-01666-00 (mmWave module)

Part: G652-10607-02 (IF FPC)

Note

Check if every connector is fully attached.



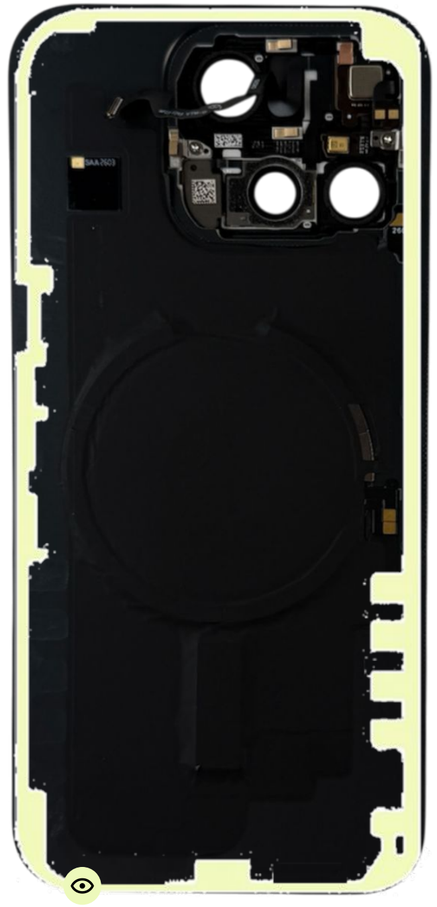
Assembly instructions

BC (back cover) sub

Reuse the BC

- Use a **spudger** to remove glue from the **BC**.
- Use fingers or **tweezers** to remove large **adhesive** chunks. Repeat for any adhesive.
- If any residue remains, clean the surface with a **dust-free cloth** and **Ethanol**.

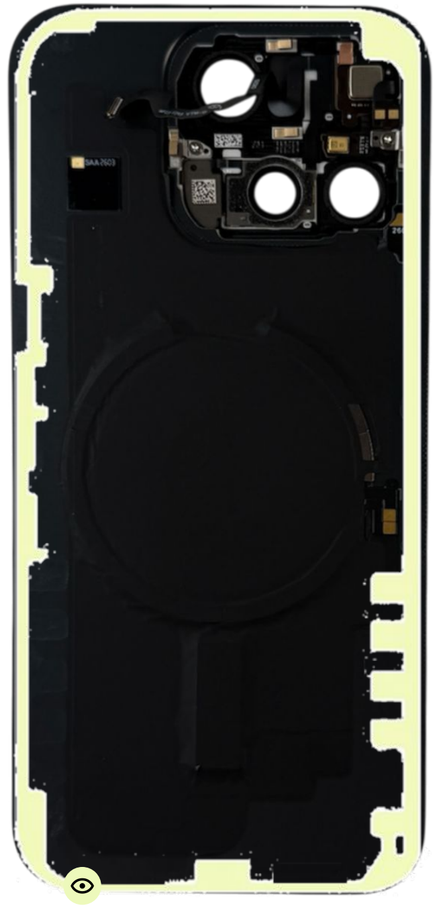
Part: multiple part number (BC sub)



Apply the AP111 primer

- Apply **Ethanol** around the **BC** sub's edges with a **dust-free cotton swab**.
- Apply one round of **3M AP111 primer** around the edges with a **dust-free cotton swab**.

Part: multiple part number (BC sub)

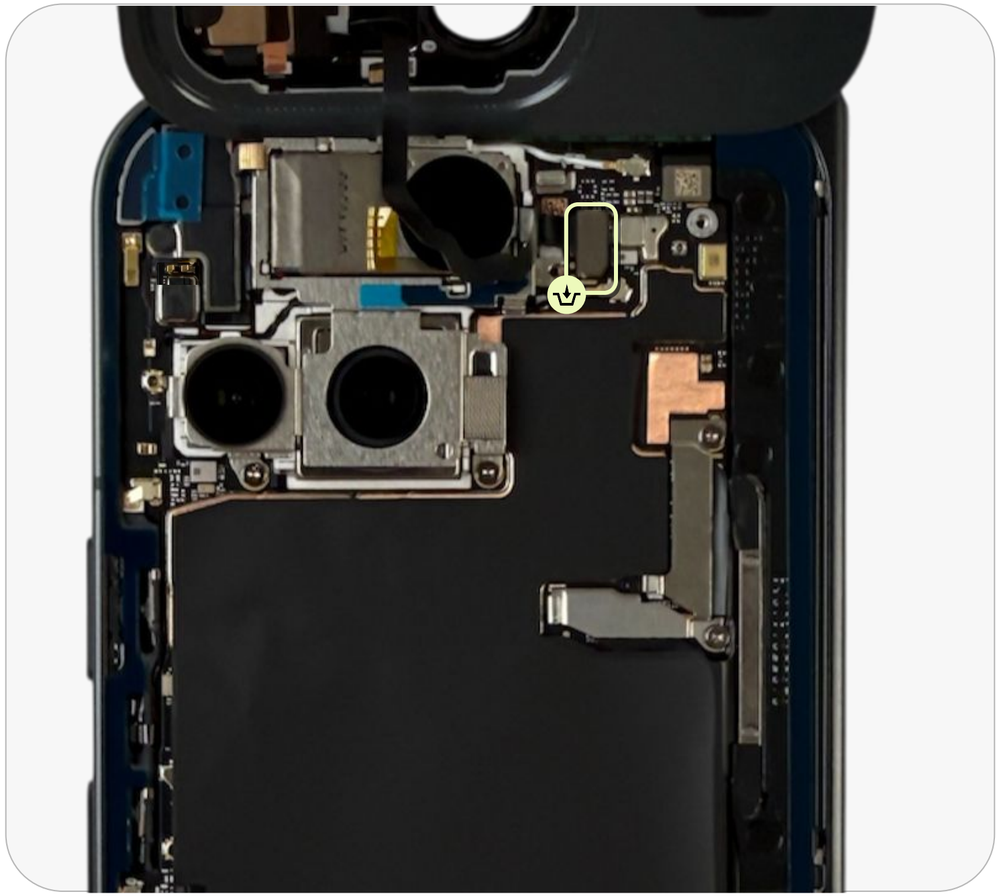


Use caution

After the primer is applied, complete the assembly in 25 minutes.

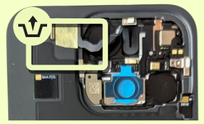
Connect the flam board

- Place the **BC** on top of the **enclosure** and prop up the BC sub.
- Apply even pressure with **tweezers** to connect the **flam board** to the **logic board**.



Note

Remove masking tape from a new BC.



Use caution

When you attach the BC, *don't* damage or deform the FPC.

Check if every connector is fully attached to the **logic board**.

Check the display

- Remove the **inner display process protective film**.
- Power on and **wait at least 10 seconds** to check if the device works properly.
- Power off after check.



Use caution

Don't touch the ID's TP until it turns to the **welcome page** since touch panel self calibration is in progress.

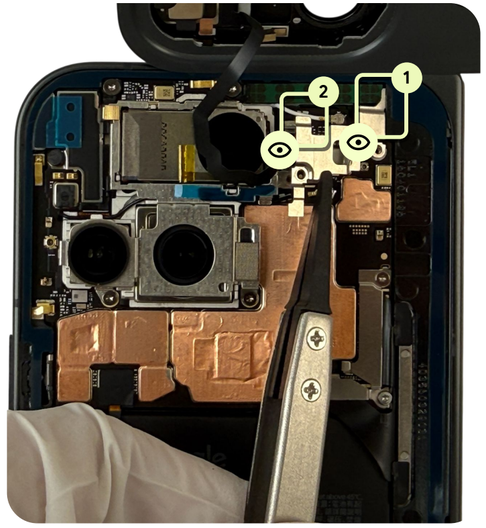
Follow the instruction:
TP calibration note

Screw the BC cowling

- Insert the **BC cowling** into the hook.
- Fasten the **BC cowling screws** with a torx plus 3IP screwdriver.
- Tighten the screws a second time to secure them in place.

Part: G730-10301-01 (BC cowling)

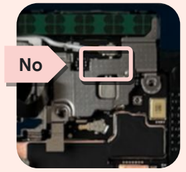
Part: G250-08273-00*2 (screw)





Use caution

Don't touch the area during assembling the BC cowling assembly.

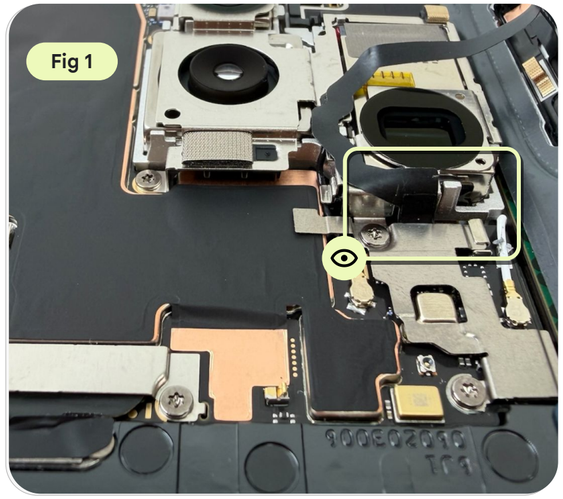


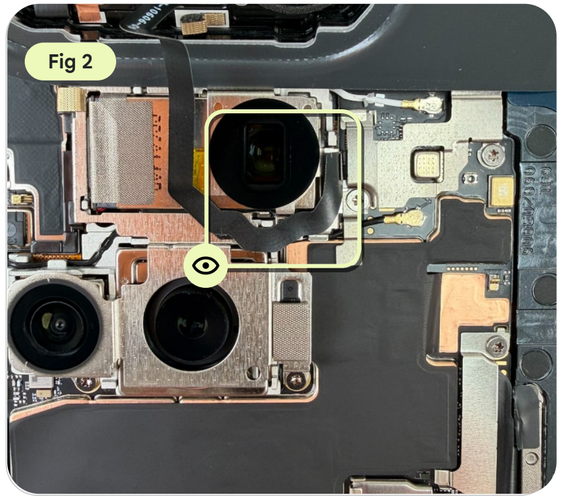
Fasten the BC flam flex

- Tear off the PSA liner of **flam board FPC** on the base cowling and fix the FPC to the designated position as shown in **Fig 1**.
- Tear off the CPSA liner of **flam board FPC** on the base cowling and fix the FPC to the designated position as shown in **Fig 2**.

Part: G806-15869-00 (flam flex CPSA)

Part: G806-15870-00 (flam flex PSA)



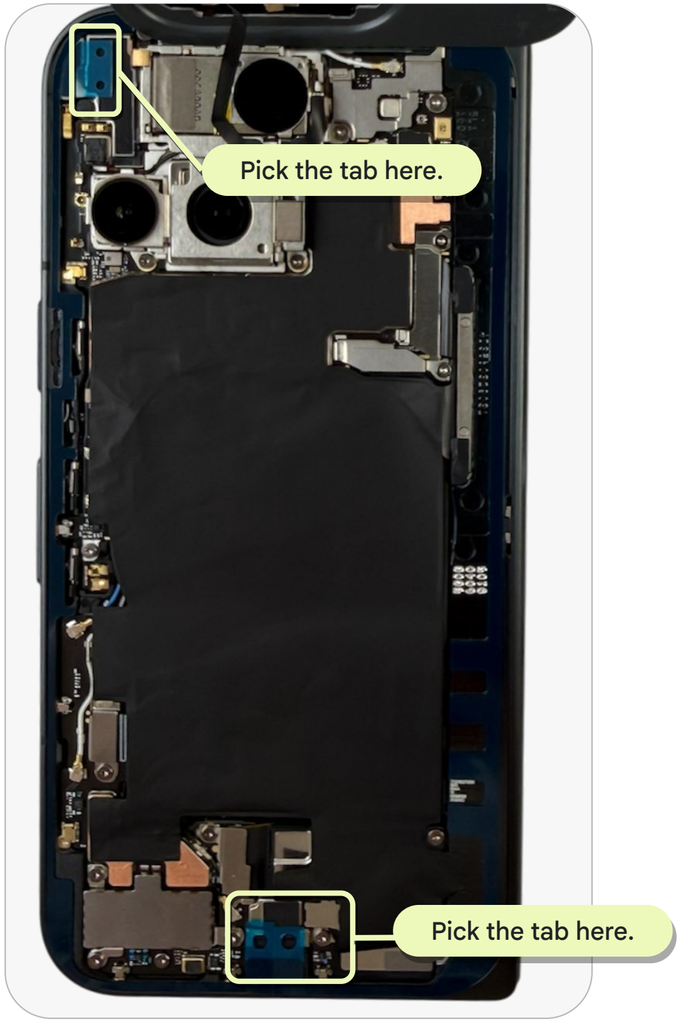


Remove the caps and liners

- Use **tweezers** to remove the **RCAM liners** from the new **BC**.
- Use **tweezers** to remove the **lens liners** from the new **base cowling**.
- Use **tweezers** to grab the **magnet PSA liner** and **second layer of the BC liner**.

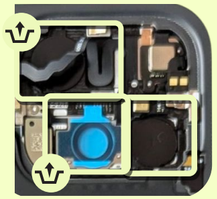
Part: G806-15777-00 (BC PSA)

Part: G806-18283-00 (magnet PSA)



Note

Remove RCAM liner from a new BC.



Note

Remove lens liners from a new base cowling.



Press the BC

- Align the **BC** vertically on the **enclosure**.
- Press around it with both hands.

Note

Press the top middle side first, then the two long sides and the bottom side.



Press the BC twice

- Place the **universal supporting rubber #2** on the **universal holder #2**, and place the **universal holder limiting block #2** on top.
- **Place the fixture** in position **B1** on the **universal base**.
- Apply the **Pixel 11 Pro Fold BC press rubber** on top of the **universal holder #2**, as shown in **Fig 1**.
- Place the **universal press plate 12 mm** on the press rubber, as shown in **Fig 2**.
- Place it in the **universal press fixture** and press the handle down for **30** seconds, as shown in **Fig 3**.
- Change the fixture in position **D1** and then **repeat** the above process again.

Fig 1

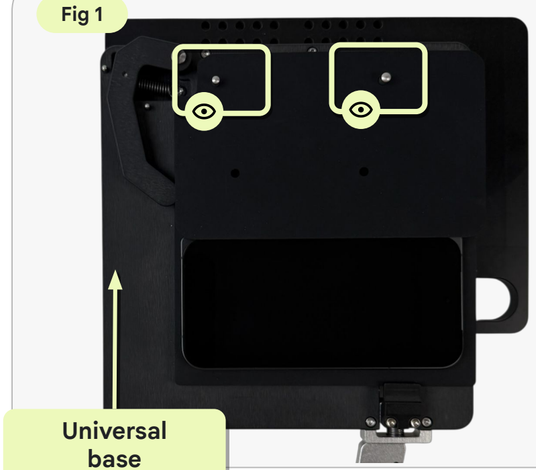
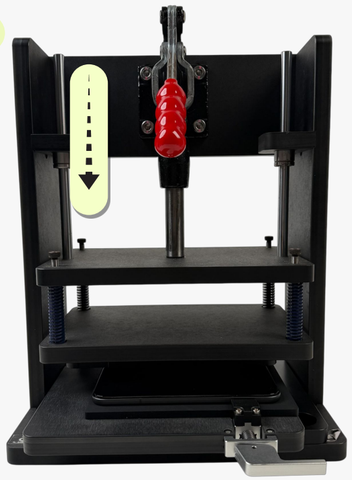


Fig 2



Fig 3



Use caution

Keep hands clear during operation.

Note

Make sure that all protective films are removed before you press.

Note

Make sure that the Pixel universal holder is in the right position.

Pixel 11 Pro Fold repair manual

Disassembly flip

Outer display

Lower board

Outer front camera

Top speaker with NFC FPCA

Upper board

Flip battery

Inner display sub

Disassembly instructions

OD (outer display) sub

The outer display module is connected to the lower board, so be careful with the flex when you open the device up.

Use caution

Use safety gloves when you handle damaged displays as splinters during removal could cause injury.

Apply protective film to broken glass before removal.

Review all safety precautions before you begin work.

Prerequisites

Before you begin a repair, be sure to **power off** the device and disconnect any charging cables.

Tools

- Pixel 11 Pro Fold main holder
- Pixel 11 Pro Fold OD press rubber
- Pixel universal base
- Universal press plate 12 mm
- Universal press fixture
- Opening pick
- Large suction cup
- Torx plus 3IP screwdriver
- Tweezers
- Spudger
- 3M AP111 primer
- Absorption bulb
- Ethanol and cloth
- Dust-free cotton swabs

Required parts

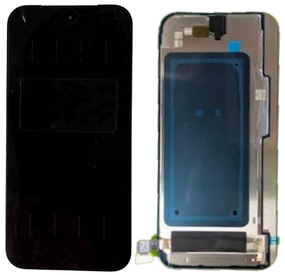
Outer display

The outer display module is connected to the lower board, so be careful with the flex when you open the device up.

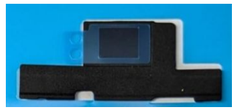
Reuse indications

- Reusable without cleaning
- Reusable after cleaning
- Not reusable after disassembly

Outer display
G949-01689-00



OD DDIC rubber
G804-01432-00



Screw
G250-08270-00



OD cowling
G730-10308-00



OD PSA
G806-16049-01



Avoid the spring and FOF damage

Before you remove the OD sub, be aware of the spring, FOF and graphite sheet underneath, refer to the figure for locations.



Use caution

Avoid damage to the spring, FOF and graphite sheet during disassembly.

Soften the adhesive

With the device unfolded, place the device **ID face down** on the **heat plate** set to **140°F (60°C) for 5 minutes** to soften the adhesive.



Use caution

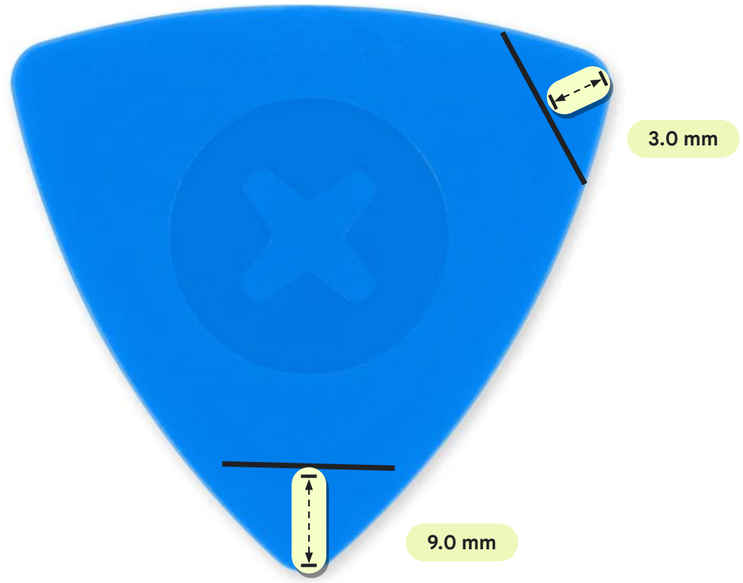
The heat plate is hot and could cause burns.

Use safety gloves to handle damaged displays, as splinters during removal could cause injury. Apply protective film to broken glass before removal.

Review all **safety precautions** before you begin work.

Mark the opening pick

- Use an **opening pick** to separate the **OD** from the **enclosure**. *Don't* insert it too far, it could damage your device.
- Measure **3.0 mm** and **9.0 mm** from the tip and mark the **opening pick** with a permanent mark.



Use caution

Follow the steps to mark your pick and prevent damage.

Use the fixture

- Fix the **suction cup** on the rightmost position as shown in **Fig 1**.
- Place the device on the holder of the **universal disassembly fixture V3**, to ensure that the power key inside the groove as shown in **Fig 2**.

Note

Remove the display front protective film to attach the suction cup.

A groove prevents accidental pressing of the power button.

Fig 1

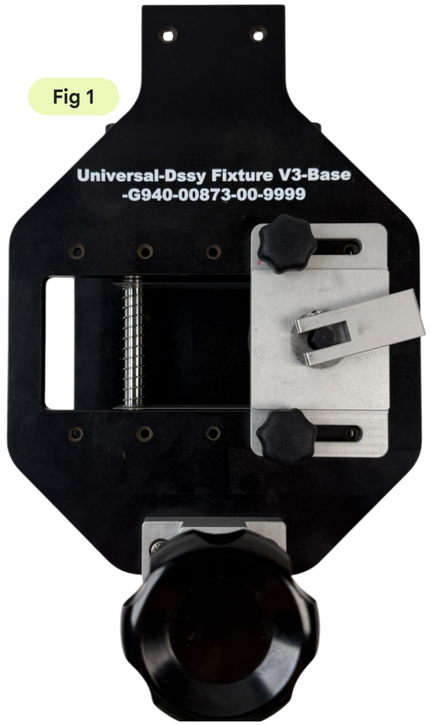
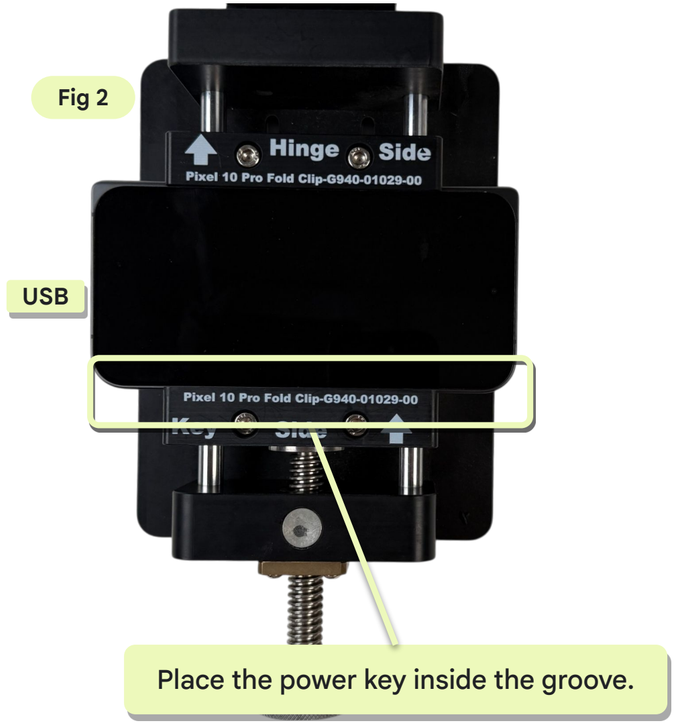
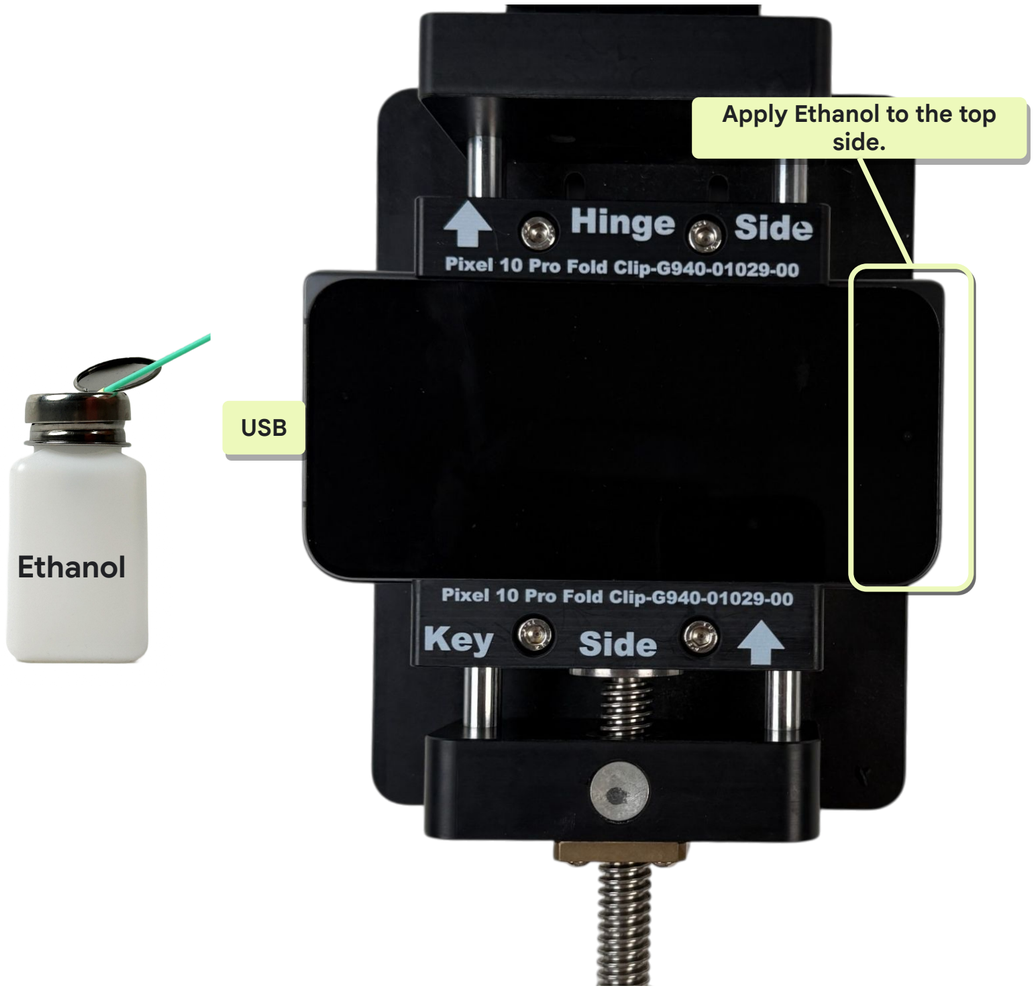


Fig 2



Prepare for disassembly

Before you close the lid, dampen a **dust-free cotton swab** with **Ethanol** and apply it in the gap between the **display** and the **enclosure** on the **top side**.



Separate the display

- Close the lid and lift the suction cup as shown in **Fig 1**.
- Slowly rotate the knob to separate the **display module** from the **enclosure**.
- Where there's a gap on the **top side**, use the **opening pick** with **Ethanol** to cut the **adhesive** off.
- Insert a **release liner** to prevent reattachment as shown in **Fig 2**.

Use caution

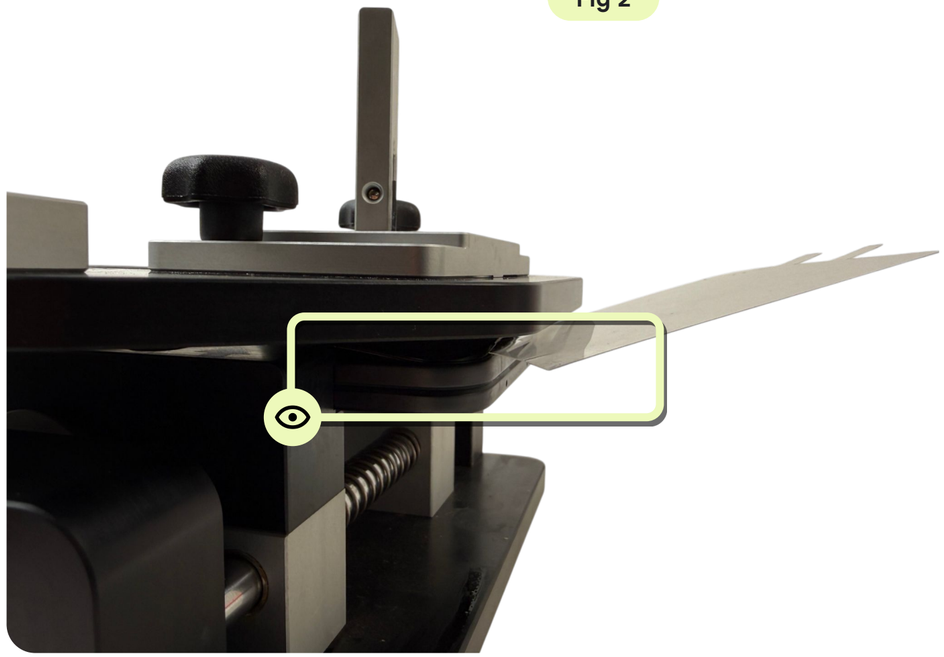
Use safety gloves to handle damaged displays, as they could splinter and cause injury. Apply protective film to broken glass before removal.

Review all **safety precautions** before you begin work.

Fig 1



Fig 2



Separate the display adhesive

- Insert the **opening pick** into the device's **top side**.
- Remove the device from the **universal disassembly fixture V3**.
- Manually slide the edges with the proper amount of **Ethanol**.
- Slide it parallel to the **display** down, as shown in **Fig 2**.
- Insert the opening picks into gap 1 and gap 2 with the **3.0 mm** mark and the others with **9.0 mm** mark.

Use caution

Avoid the damage to the display IC areas as shown in **Fig 1**.

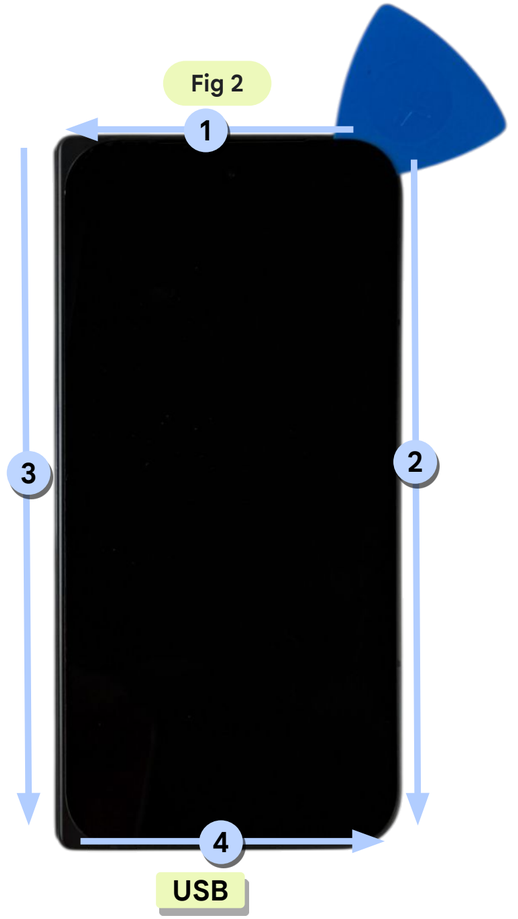
Disassembly sequence

1 (in the fixture; insert opening pick with 3.0 mm to the top) ➜ **2 (3.0 mm)➜ 3 (9.0 mm) ➜ 4 (9.0 mm)**

Fig 1



Fig 2



Prop the display

- Use the **absorption bulb** to hold the **display**.



Use caution

Avoid stretching the display flex to prevent damage.

Be cautious not to damage the FoF and graphite during the process.

Be careful not to get cut by the metal trim.

Remove the OD cowling

- Lift up the lower pull jacket and **OD DDIC rubber** together and if the **OD DDIC rubber** is damaged, remove it**.** If the rubber isn't damaged, leave it installed.
- Remove **OD cowling screw** with a **torx plus 3IP screwdriver**, as shown in **Fig 1**.
- Remove the **OD cowling**.

Part: G804-01432-00 (OD DDIC rubber)

Part: G250-08270-00 (screw)

Part: G730-10308-00 (OD cowling)



Note

Don't reuse the screw or the OD DDIC rubber after you remove from lower board.

.

Use caution

Avoid use of sharp objects or tools to prevent damage to the battery.

Finished! Want assembly instructions? ➜

Disconnect the OD

- Loosen the **OD connector** with a **spudger** and then remove the **OD**.



Note

Use a spudger to avoid damage to the components.

Disassembly instructions

Lower board

The lower board communicates with the components, such as the SIM card, flip battery, lower bridge FPC, and the outer display.

Be aware that a replacement SIM tray *doesn't* have the IMEI number present.

Use caution

Review all safety precautions before you begin work.

Prerequisites

Here's the list of components that you should remove first:

- **Outer display**

Tools

SIM card pin

Torx plus 3IP screwdriver

Spudger

Feeler gauge 0.25t

Dust-free cotton swabs

Required parts

Lower board

Here's the list of parts for the lower board disassembly.

Reuse indications — Reusable without cleaning | Reusable after cleaning | Not reusable after disassembly

Lower board
G949-01695-00



Screw
G250-08269-00



Screw *2
G250-08270-00



Flip bridge cowling
G730-10306-00



Flip battery cowling
G730-10307-00



Screw support rubber
G804-01468-00



Flip bottom PSA
G806-17501-01



SIM tray
Multiple part numbers



Screw
G250-08301-00



Remove the screws and cowling

- Remove one **flip battery cowling screw**, one **lower board screw** and two **flip bridge cowling screws** with a t**orx plus 3IP screwdriver**.
- Remove the **flip battery cowling** and **flip bridge cowling** with screw support rubber.

Part: G730-10307-00 (flip battery cowling)

Part: G730-10306-00 (flip bridge cowling)

Part: G250-08270-00 *2 (screws)

Part: G250-08301-00 (screw)

Part: G250-08269-00 (screw)

Part: G804-01468-00 (screw support rubber)

Use caution

Avoid use of sharp objects or tools to prevent damage to the battery.

Note

***Don't* reuse the screws.**



A: G250-08270-00 **B:** G250-08301-00 **C:** G250-08269-00

Disconnect the flip battery and flip bridge

- Disconnect **flip battery**, **flip bridge bottom**, and **top connectors** with a spudger.
- Apply **masking tape** to the flip bridge connectors to avoid damage.
- Remove the **OD DDIC rubber**.

Part: G804-01432-00 (OD DDIC rubber)



Use caution

Pack the battery connector by Kapton tape to avoid short other component after disconnecting the flip battery to avoid short.



Use caution

Avoid use of sharp objects or tools to prevent damage to the battery.

Remove the SIM tray and detach pull jacket

- Eject the **SIM tray** with an **ejector pin**.

Part: multiple part numbers (SIM tray)



Finished! Want assembly instructions? ➜

Remove the lower board

- Slightly lift the **lower board** with a spudger, as shown in **Fig 1**.
- Insert a 0.25 mm **feeler gauge** and slide upwards to cut the **PSA** attached under flip bridge bottom connector of lower board, as shown in **Fig 2**.
- Gently remove the **lower board** with your bare hand.

Part: G949-01695-00 (lower board)

Use caution

Avoid use of sharp objects or tools to prevent damage to the **battery**.

There is **one adhesive** under the flip bridge bottom connector of lower board. Handle with care to prevent damage or distortion.

Fig 1





Disassembly instructions

Outer front camera

The outer front camera isn't fastened to the enclosure, it’s simply connected to the upper board.

Use caution

Review all safety precautions before you begin work.

Prerequisites

Here’s the list of components that you should remove first:

- **Outer display**

Tools

Spudger

Required parts

Outer front camera

Here's the list of parts for the outer front camera disassembly.

Reuse indications

- Reusable without cleaning
- Reusable after cleaning
- Not reusable after disassembly

Outer FCAM
G949-01690-00



Screw *3
G250-08270-00



Screw
G250-08269-00



Flip FCAM cowling
G730-10305-01



Outer FCAM cowling PSA
G806-15965-00



Detach the pull jacket

- Detach the **flip battery pull jacket** from the **FCAM cowling** with a **spudger**. Skip this step if not remove flip battery.



Note

Don't reuse the parts.

Use caution

Avoid use of sharp objects or tools to prevent damage to the battery.

Remove the screw and flip FCAM cowling

- Remove four screws with a **torx plus 3IP screwdriver**.
- Remove the **FCAM cowling**.

Part: G250-08270-00 *3 (screws)

Part: G250-08269-00 (screw)

Part: G730-10305-01 (flip FCAM cowling)

Note

***Don't* reuse the screws.**

Use caution

Avoid use of sharp objects or tools to prevent damage to the battery.



A: G250-08270-00

B: G806-08269-00

Finished! Want assembly instructions? ➜

Remove the outer front camera

Disconnect the **outer front camera** with a **spudger.**



Part: G949-01690-00 (outer front camera)

Note

Use a spudger to avoid damage to the components.

Disassembly instructions

Top speaker with NFC FPCA

The **top speaker** is used both as an ear speaker to make calls and a second loudspeaker for music and video playback.

Use caution

Review all safety precautions before you begin work.

Prerequisites

Here's the list of components that you should remove first:

- **Outer display**

Tools

Torx plus 3IP screwdriver

Spudger

Tweezers

Required parts

Top speaker with NFC FPCA

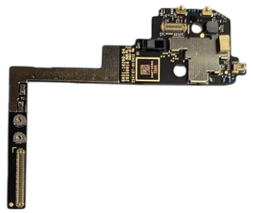
Here's the list of parts for the top speaker with NFC FPCA disassembly.

Reuse indications

- Reusable without cleaning
- Reusable after cleaning
- Not reusable after disassembly

Upper board

G949-01696-00



Top speaker with NFC FPCA

G949-01697-00



Top speaker CPSA

G806-15885-00



Finished! Want assembly instructions? →

Remove the top speaker

- Insert an ESD spudger under the **upper board** to pry up the **upper board with top speaker** together, as shown in **Fig 1**.
- Insert an ESD spudger to lift up the **top speaker**, and separate the top speaker from the upper board, as shown in **Fig 2**.

Part: G949-01697-00 (top speaker with NFC FPCA)

Use caution

Avoid use of sharp objects or tools to prevent damage to the battery.

There is one adhesive under the top speaker. Handle with care to prevent damage or distortion.

Fig 1

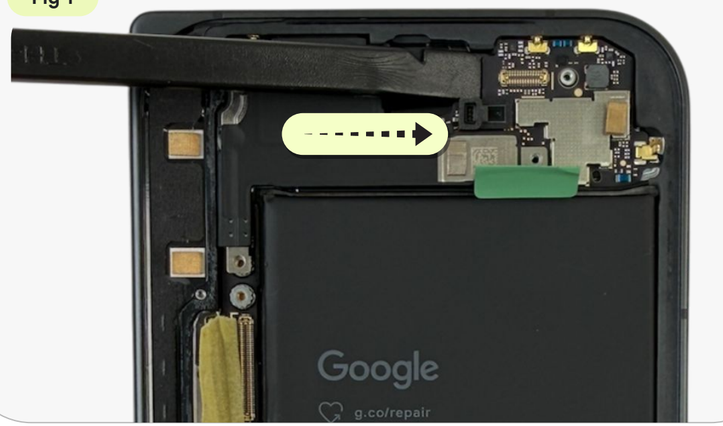
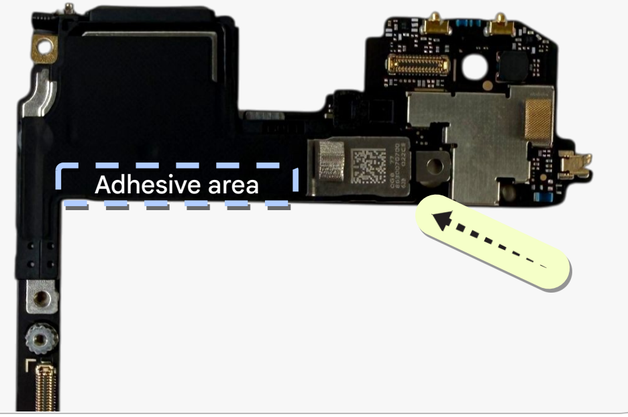


Fig 2



Disassembly instructions

Upper board

The upper board consists of the P-sensor, light sensor, and communication components, such as the upper bridge FPC and the outer front camera.

Use caution

Review all safety precautions before you begin work.

Prerequisites

Here's the list of components that you should remove first:

- **Outer display**
- **Top speaker with NFC FPCA**

Tools

Spudger

Tweezers

Required parts

Upper board

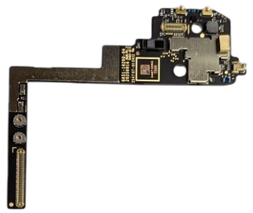
Here's the list of parts for the upper board disassembly.

Reuse indications

- Reusable without cleaning
- Reusable after cleaning
- Not reusable after disassembly

Upper board

G949-01696-00



PL rubber

G806-15706-00



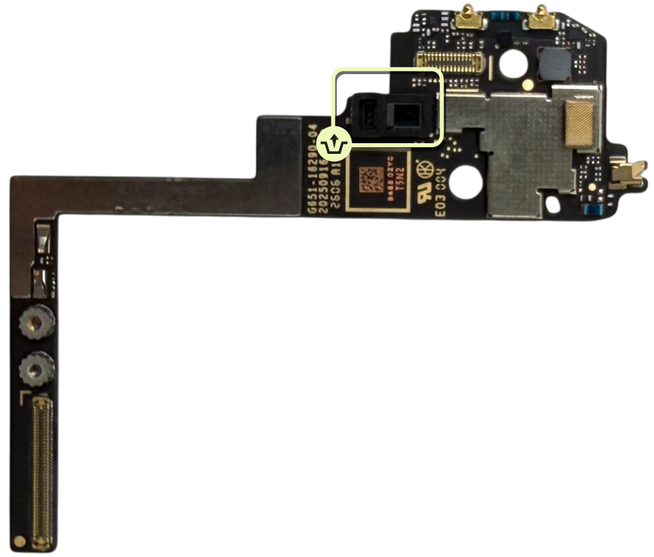
Finished! Want assembly instructions? ➜

Inspect the P-sensor rubber

- Inspect the **P-sensor rubber**.
- If it's damaged, remove it. If it isn't damaged, leave it in place.

Part: G949-01696-00 (upper board)

Part: G806-15706-00 (P-sensor rubber)



Note

Don't reuse the P-sensor rubber after removal.

Use caution

Skip this step if the P-sensor rubber is undamaged or intact.

Disassembly instructions

Flip battery

Use caution

Use caution if you engage in repair.

When you open or repair the device, be careful of electric shock, device damage, fire and personal injury risks, and other hazards.

Before you service the product, read the full set of **precautions** in this document.

Battery handling

- Never bend, dent, puncture, or use tools to pry the battery.
- Store batteries in the replacement part packaging as soon as possible after removal to prevent damage.
- If a battery begins to vent, cover it in sand or use gloves and tongs to keep the battery in a fire safe container as soon as possible.
- Take care to prevent shorting of battery terminals or battery damage, as it could cause fire or overheating.
- Dispose of the battery according to local regulations.

Confirm before you proceed

- Battery is fully discharged and the device is disconnected from all power sources.
- Inspect the battery to see whether the phone battery shows signs of swelling, damage, or if the phone feels hot or emits a strong odor. If so, *don't* attempt disassembly. Reach out to Google customer support instead.
- Take care, not to expose the phone or its components to liquids after disassembly.

Disassembly instructions

Flip battery

We recommend that you use the universal disassembly fixture to hold the device when the battery removal is in process.

It's recommended to remove the battery with a pull jacket.

Use caution

Review all safety precautions before you begin work.

Prerequisites

Here's the list of components that you should remove first:

- **Outer display**

Tools

Heat plate

Universal holder #2

Universal holder limiting block #2

Universal supporting rubber

Universal press plate 12 mm

Battery press rubber (flip side)

Universal press fixture

Pixel universal disassembly fixture V3-base

Pixel 11 Pro Fold spare dece clip - universal dssy fixture V3

Adsorption-bulb

Tweezers

3M AP111 primer

Ethanol and cloth

Dust-free cotton swabs

Required parts

Flip battery

Here's the list of parts for the flip battery disassembly.

Reuse indications

- Reusable without cleaning
- Reusable after cleaning
- Not reusable after disassembly

Battery flip

Multiple part numbers



Pull jacket

G806-15967-00



Flip battery cell difference

- Battery cell source (LWN) GPN: G949-01699-00
- Model name and part number. printing on the battery: G78VQ/8230073200
- Battery cell source (ATL) GPN:G949-01698-00
- Model name and part number. printing on the battery: G78VQ/8230073000

Note

1. Always replace the base and flip batteries at the same time with the correct model name which is the same previous foldable phone projects.

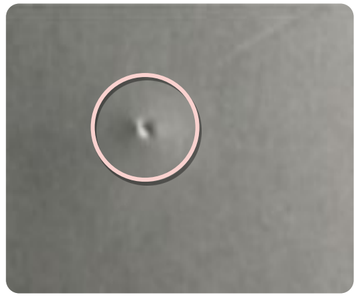
2. Make sure that the new base and flip battery are from the same cell source.

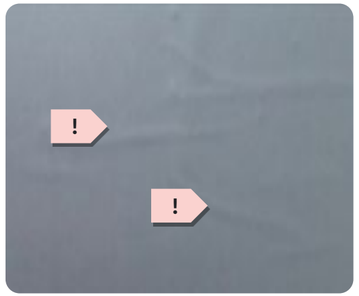


Front

Use caution ⚠

Examples of unacceptable battery conditions that aren’t suitable for repair

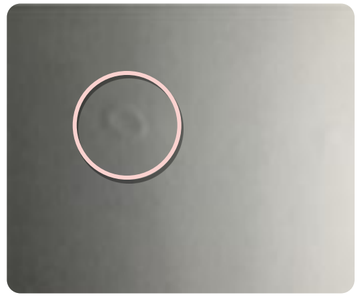

Pouch damage

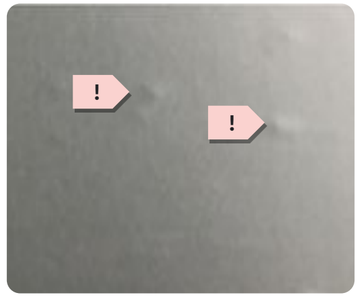


Line protrusion

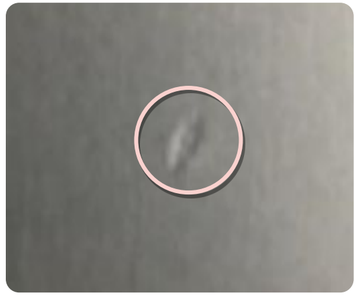


Scratch


Contamination mark

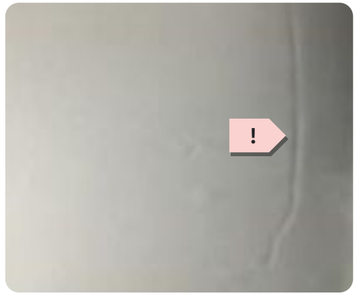


Dot protrusion

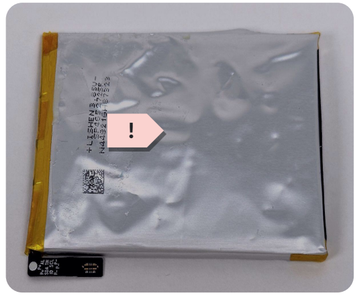

Dent



Bubbling



Imprinted line



Swelling or electrolyte leakage

*These are examples of potentially dangerous battery conditions but *don't* reflect all possible dangerous conditions. Follow the general safety guidance outlined in this document.

Adjust pull jacket

- The **pull jacket** is partially folded under the green ends. Unfold to strengthen handling.

Part: G806-15967-00 (pull jacket)

Use caution

Avoid use of sharp objects or tools to prevent damage to the battery.

Fig 1



Fig 2



Soften the adhesive

With the device unfolded, place the device **ID** face down on the **heat plate** set to **158°F (70°C) for 10 minutes** to soften the **flip battery** adhesive.



Use caution

The heat plate is a hot surface. Use caution as it could cause burns.

Use caution

Use safety gloves to handle damaged displays as they could splinter during removal and cause injury. Apply protective liner to broken glass before removal.

Review all **safety precautions** before you begin work.

Secure the device

- Secure the **fixture** on the working surface.
- Fold the device, and secure it on the **fixture**.
- Move the **bottom pull jacket** to the left.

⚠ Use caution

The heat plate is a hot surface, so caution to avoid burns.



Remove the battery

- Pull the **bottom side battery pull jacket** upward to cut through the adhesive under the **flip battery**, as shown in **Fig 1.**
- Then bring it back down to the original position, as shown in **Fig 2**.

Part: multiple part numbers (flip battery)

Use caution

Lift the battery as soon as the device leaves the heat plate before the adhesive cures.

keep small screws and sharp objects away from the battery.

***Don't* reuse the part.**

Note

Wear finger cots to increase friction.

If the pull jacket breaks, insert a new one (G806-15967-00) through the opening at the lower side of the battery and reheat the device 3 minutes, if it feels cooled down.

Fig 1

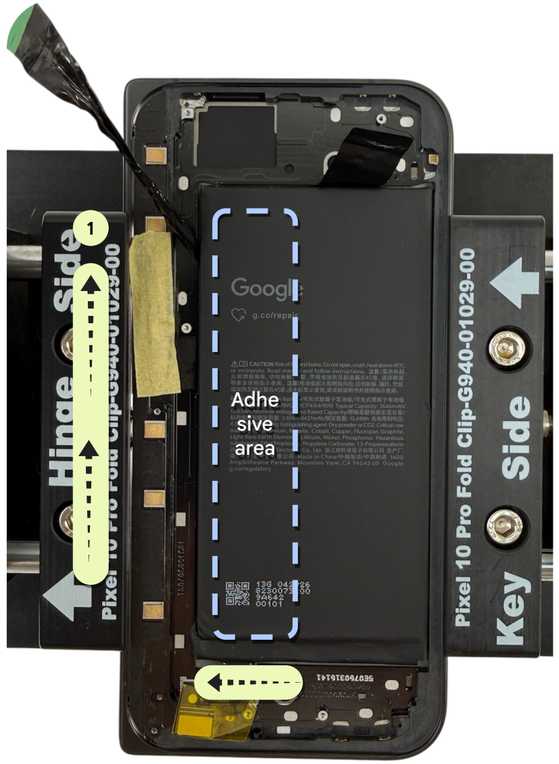


Fig 2



Finished! Want assembly instructions? ➜

Remove the battery (continued)

- Pull the **upper side pull jacket** toward the right. When reaching the corner, slightly lift it to create a small gap, then route the **pull jacket** around the corner, as shown in **Fig 3**.
- Continue pulling the **pull jacket** downward until it cut through the bottom end, as shown in **Fig 4**.
- Reheat the device 3 minutes, if it feels cooled down.
- Gently remove the **flip battery** and store it safely.

Part: multiple part numbers (flip battery)

Use caution

Lift the battery as soon as the device leaves the heat plate before the adhesive cures.

Keep small screws and sharp objects away from the battery.

***Don't* reuse the part.**

Note

Wear finger cots to increase friction.

If the pull jacket breaks, insert a new one (G806-15967-00) through the opening at the lower side of the battery and reheat the device 3 minutes, if it feels cooled down.

Fig 3



Fig 4



Entry point for new pull jacket.

Disassembly instructions

ID (inner display) sub

Flip side

If you reuse the inner display sub (flip side), ensure that any adhesive residue is completely removed.

Use caution

Review all safety precautions before you begin work.

Prerequisites

Here's the list of components that you should remove first:

- **Outer display**
- **Lower board**
- **Top speaker with NFC FPCA**
- **Upper board**
- **Flip battery**

Tools

Torx plus 3IP screwdriver

Spudger

Tweezers

Ethanol and cloth

Dust-free cotton swabs

Required parts

Inner display sub (flip side)

Here's the list of parts for the inner display sub disassembly.

Reuse indications

- Reusable without cleaning
- Reusable after cleaning
- Not reusable after disassembly

Inner display sub

Multiple part numbers



OD hinge FOF *5

G806-16037-00



OD hinge sponge

G806-16046-00



Side wall Kapton

G806-18160-00



Finished! Want assembly instructions? ➜

Inner display sub disassembly complete

Pixel 11 Pro Fold repair manual

Assembly flip

Inner display sub

Lower board

Upper board

Top speaker with NFC FPCA

Outer front camera

Flip battery

Outer display

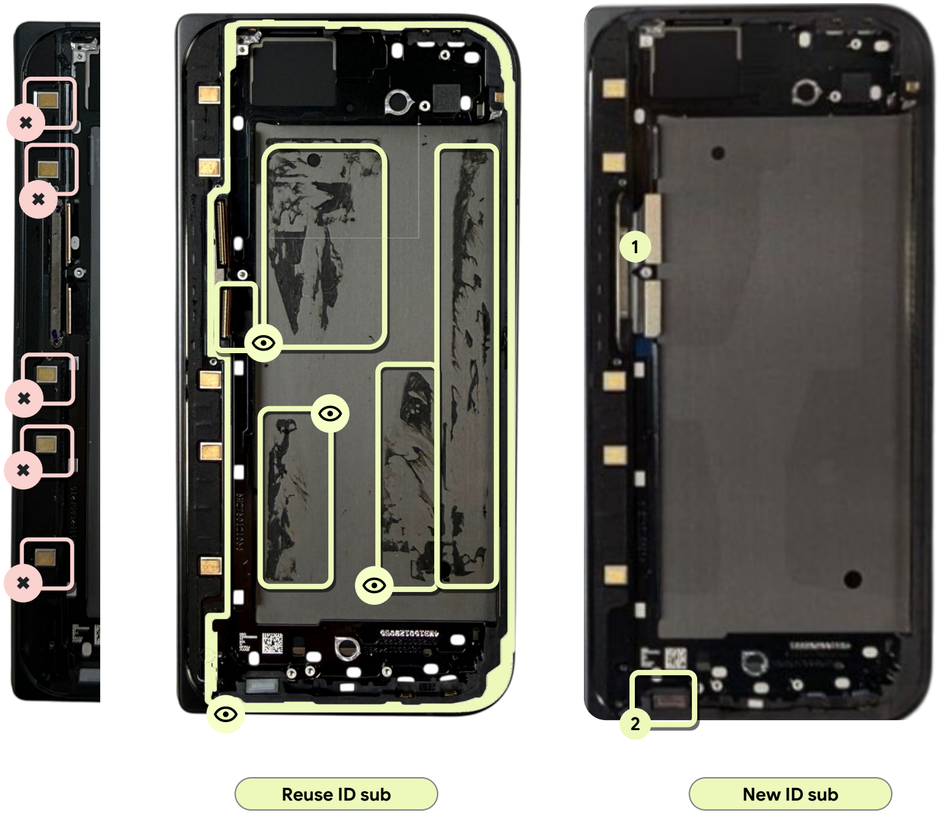
Assembly instructions

ID (inner display) sub

Flip side

Reuse the ID sub or use new ID sub

- Use a **spudger** to remove remaining adhesive from the **enclosure** and **flip battery** area.
- Remove large chunks with fingers or **tweezers**. Clean with a **dust-free cloth** and **Ethanol**.
- Remove **masking tapes** (no. 1) and bottom liner from the **enclosure** (no. 2), for the new ID sub.



Use caution

Be careful to avoid damage to the foam on the enclosure side during deglue the residual glue.

Note

The yellow highlight is where the residual adhesive exists.

Replace the lower board PSA

Replace the **lower board PSA**.

Part: G806-17501-01 (lower PCB PSA)



Note

The inner display sub includes the PSA. Perform this step only if the lower board is disassembled.

Don't remove the release liner just yet.

Replace the sponge and FOF

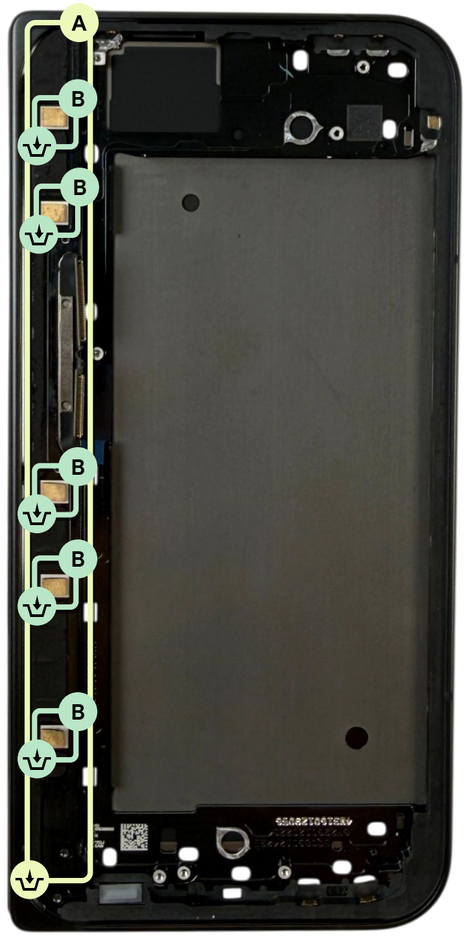
Replace the sponge and FOF.

Part: G806-16046-00 (OD hinge sponge)

Part: G806-16037-00 *5 (OD hinge FOF)

Note

Skip this step if the sponge and FOF is not damaged or broken.



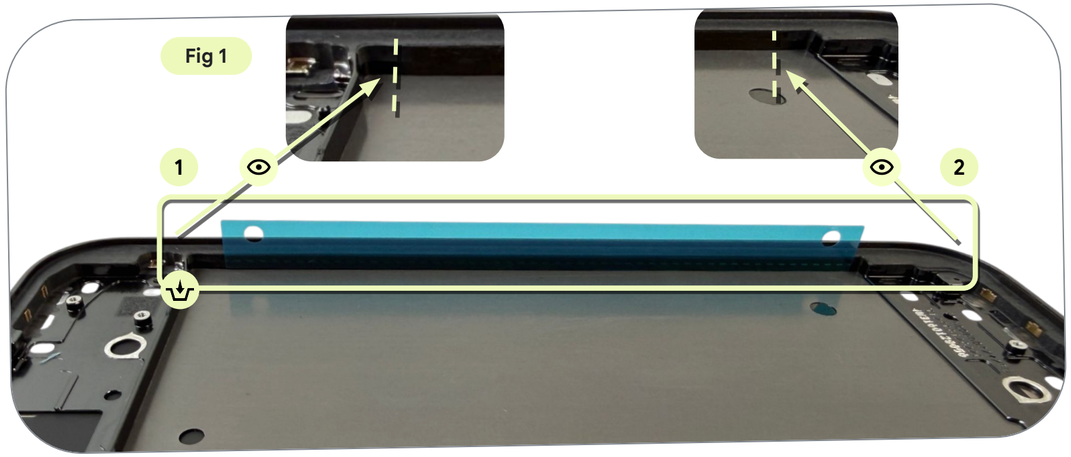
A: G806-16046-00

B: G806-16037-00

Place the battery side wall Kapton

- Paste the **battery side wall Kapton** along the retaining wall from 1 to 2 with **ESD tweezers**, as shown in **Fig 1**. *Don't* exceed the slope.
- Run a **spudger** over the Kapton to strengthen adherence.
- Remove the release liner.

Part: G806-18160-00 (side wall Kapton)



Note

Skip this step if the Kapton is not damaged or broken.

Assembly instructions

Lower board

Place the lower board

- Remove the **lower board PSA** liner, as shown in **Fig 1**.
- Push the **lower board** downward at an angle to install it onto the **enclosure**, as shown in **Fig 2**.
- Make sure that the **lower board** sits against the alignment pins and the retaining wall, as shown in **Fig 3**.

Part: G949-01695-00 (lower board)

Part: G806-15708-00 *2 (flip bottom FOF)

Note

Apply the two FOFs, skip this step if the 2 FOFs aren't damaged or broken.

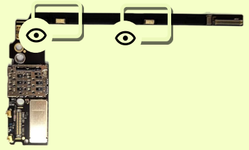


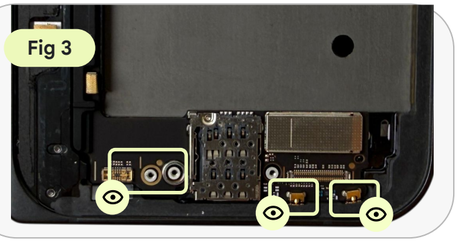
Fig 1



Fig 2



Fig 3



Install the SIM tray and lower board

- Insert the SIM tray into the slot.
- Fasten one **lower board screw** with a **torx plus 3IP screwdriver,** tightening twice.
- Paste the **Kapton tape** to cover the **flip battery connector** and screw boss, as shown in **Fig 2**.

Part: multiple part numbers (SIM tray)

Part: G250-08301-00 (screw)

Note

Clean the rubber surface with dust-free cotton swabs before installation.



Note

Wear a glove when you handle the SIM tray. *Don't* wear gloves when handling the lower board.

Fig 1

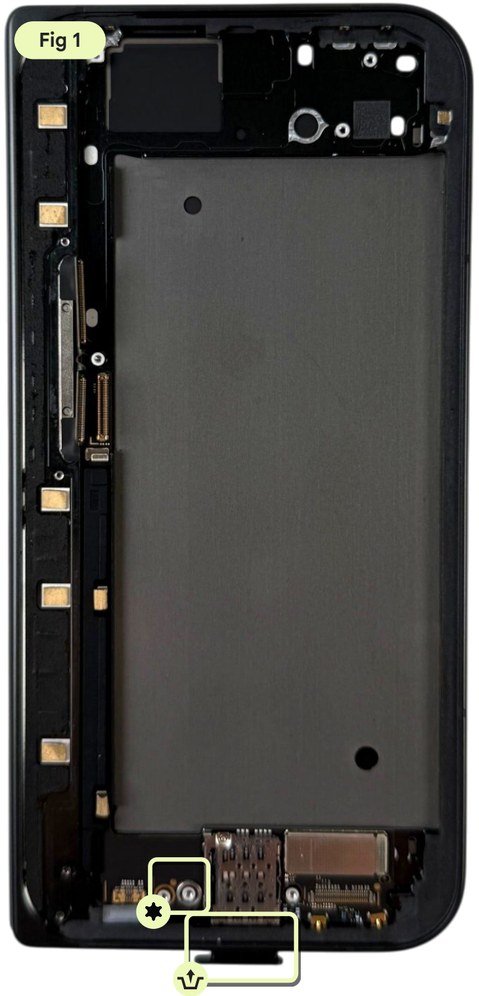
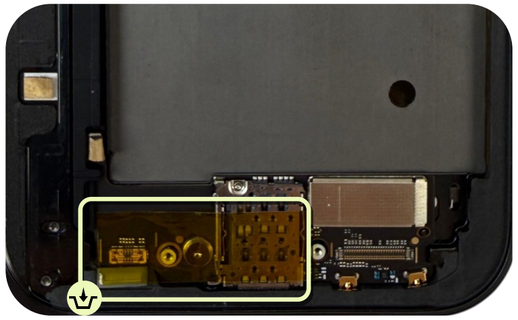


Fig 2



Assembly instructions

Upper board

Place the upper board

- Push the **upper board** upward at an angle to install it onto the **enclosure**.



Part: G949-01696-00 (upper board)

Note

Install the upper board to align the alignment pin. Refer to the relative position.

Apply the P-sensor rubber

Apply the **P-sensor rubber** to the **upper board** and check for misalignment.

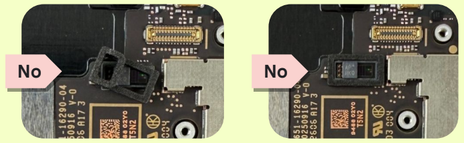
Part: G806-15706-00 (P-sensor rubber)



Note

Skip this step if the rubber is intact.

Make sure that the rubber is properly aligned.



Assembly instructions

Top speaker with NFC FPCA

Reuse the top speaker

- Remove residual adhesive with an **ESD spudger**, as shown in **Fig 1**.
- Clean the surface with a **dust-free cloth** dampened with **Ethanol**.
- Apply the **top speaker CPSA** according to the outline, as shown in **Fig 2**.
- Tear off the liner.

Part: G806-15885-00 (TSPK CPSA)

Fig 1

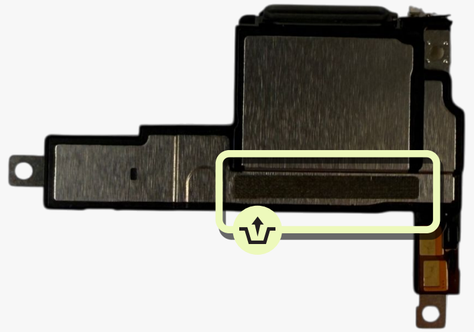
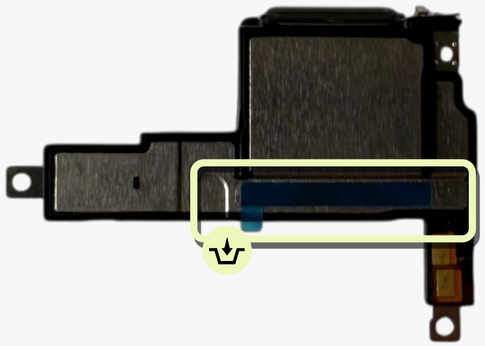


Fig 2



Attach the top speaker

- Install the **top speaker** to the **enclosure** and press it to make sure that it fits completely, as shown in **Fig 1**.
- Tighten the **screw** with a torx plus 3IP screwdriver. Tighten the screw a second time for a secure fit.
- Tear off the blue liner if you use the new **top speaker**.

Part: G949-01697-00 (top speaker with NFC FPCA)

Part: G250-08270-00 (screw)

Part: G250-08269-00 (screw)

Fig 1

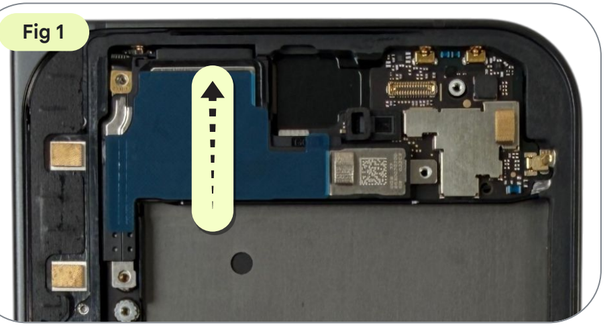
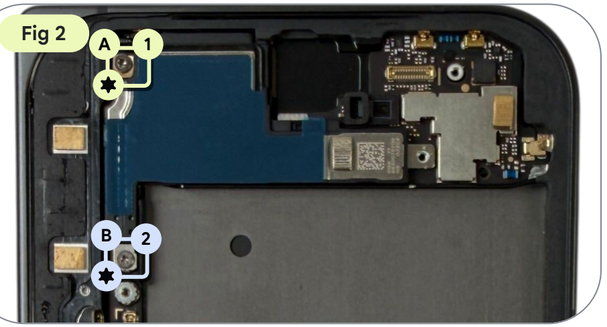


Fig 2

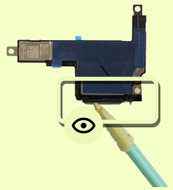


A: G806-08270-00

B: G806-08269-00

Note

Clean the rubber surface with dust-free cotton swabs before the installation.



Note

Press the NFC FPCA before the top speaker assembly.



Assembly instructions

Outer front camera

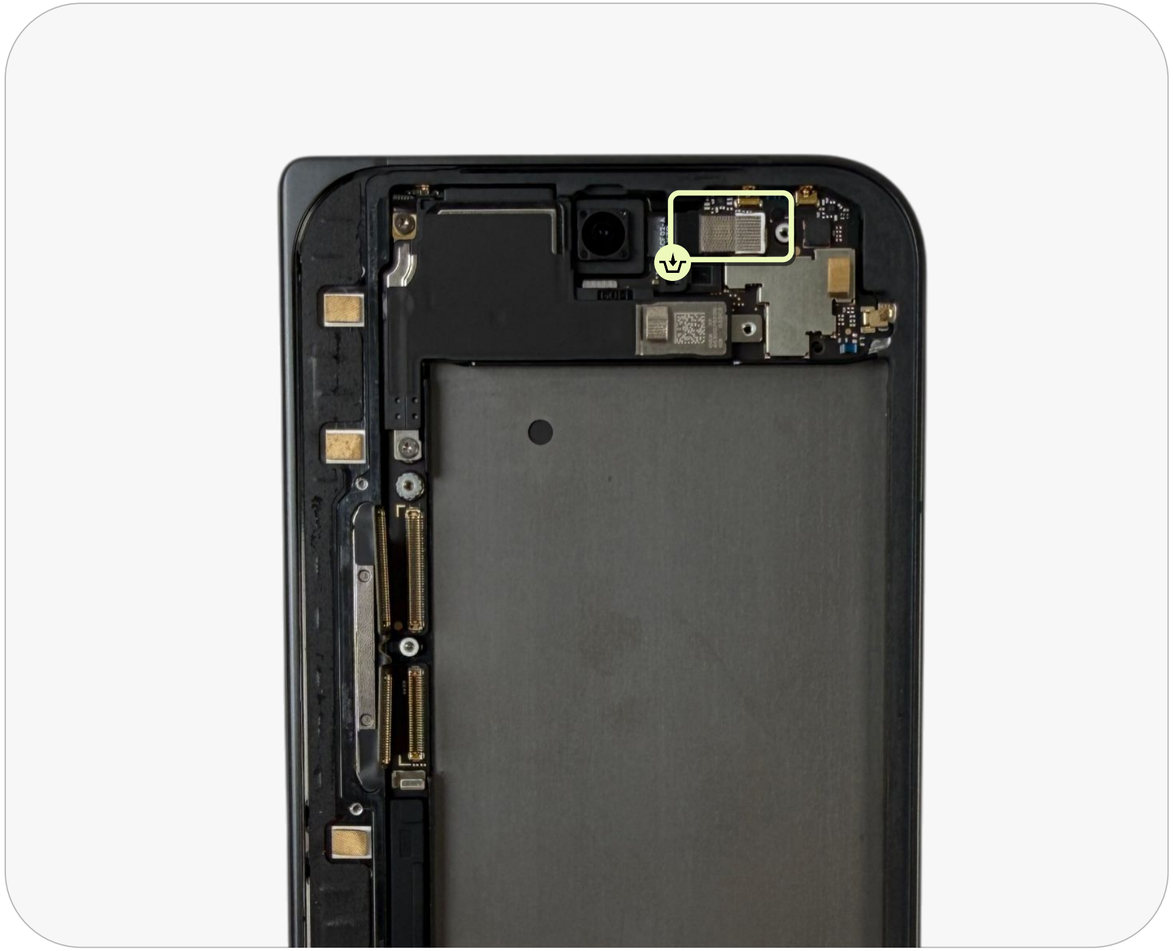
Attach the outer front camera

Latch the **outer FCAM connector** to the **upper board**.

Part: G949-01690-00 (outer front camera)

Note

Make sure that the connector is fully attached to the **upper board.**



Reuse the flip FCAM cowling

- If residue remains, clean the surface with a **dust-free cloth** and **Ethanol**.
- Apply a new **PSA** to the designated position, as shown in **Fig 2**.

Part: G730-10305-01 (flip FCAM cowling)

Part: G806-15965-00 (outer FCAM cowling PSA)

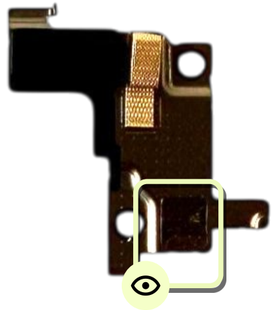


Fig 1

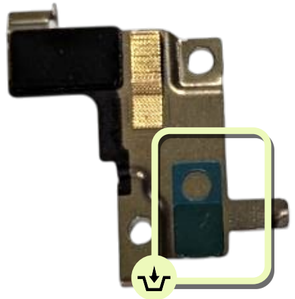


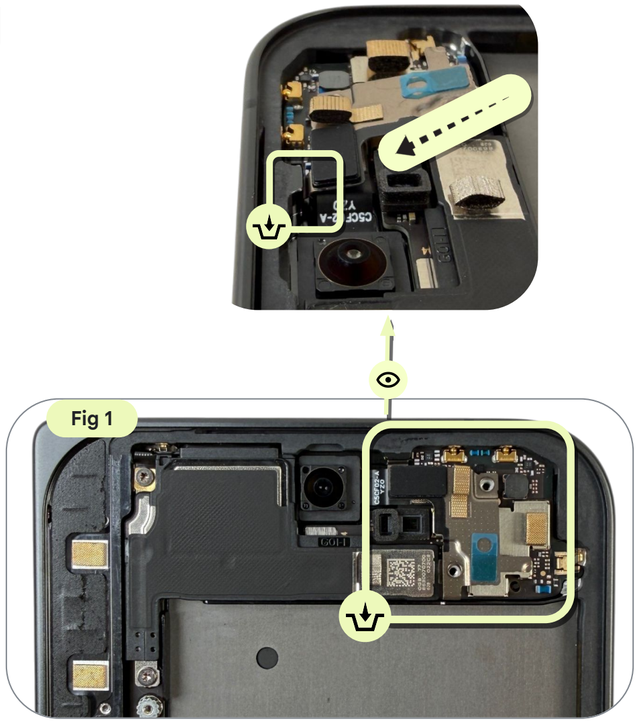
Fig 2

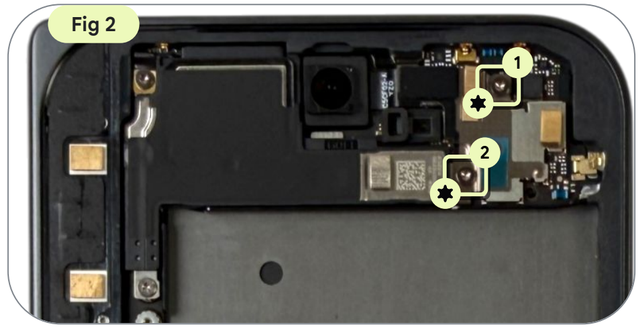
Install the flip FCAM cowling

- Insert the **flip front camera cowling** into the enclosure groove, as shown in **Fig 1**.
- Fasten the two **front camera cowling screws** with a **torx plus 3IP screwdriver**, as shown in **Fig 2**. Tighten the screw a second time for a secure fit.

Part: G730-10305-01 (flip FCAM cowling)

Part: G250-08270-00 *2 (screws)





Assembly instructions

Flip battery

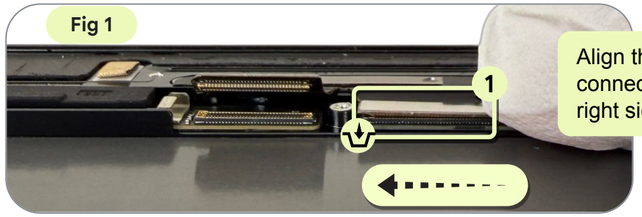
Connect the upper and lower board

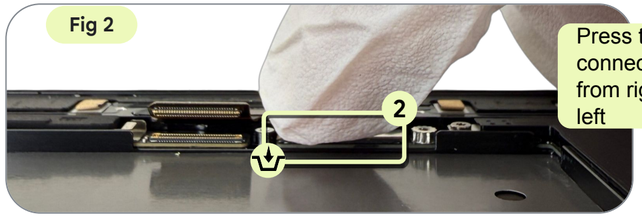
- Snap the **flip top** and **bottom bridge FPC** connectors.
- Follow the arrow direction to snap the connector from right to left, then smooth it down evenly.

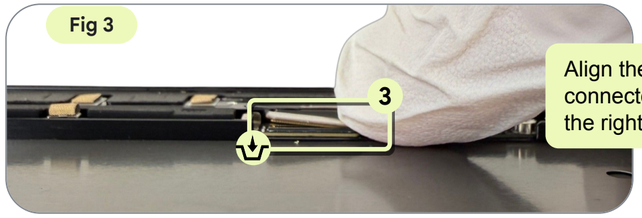


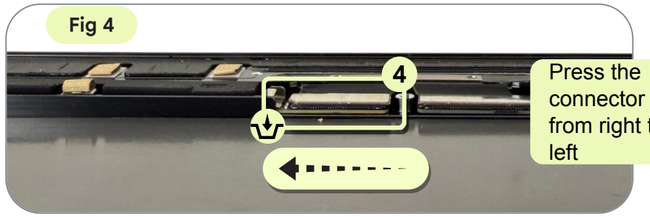
Note

Check that two connectors are fully engage to the **lower board** and the **upper board**.









Install the flip bridge cowling and rubber

- Insert the **flip bridge cowling** into the enclosure groove.
- Fasten the two **flip bridge cowling screws** with a **torx plus 3IP screwdriver**, as shown in **Fig 1**. Tighten the screw a second time for a secure fit.
- Attach the **OD screw support rubber** onto the **flip bridge cowling**, as shown in **Fig 2**.

Part: G730-10306-00 (flip bridge cowling)

Part: G250-08269-00 (screw)

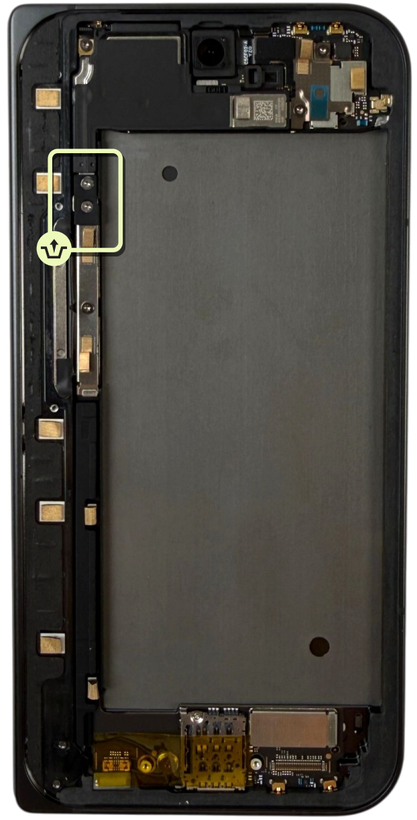
Part: G250-08270-00 (screw)

Part: G804-01468-00 (screw support rubber)

Fig 1



Fig 2



A: G806-08269-00 **B:** G806-08270-00

Apply the AP111 primer

Evenly apply the **primer** across the **flip battery enclosure's** entire surface.

Part: multiple part numbers (flip battery)



Use caution

Review all safety precautions before you begin work.

Make sure that the battery cosmetic checks are completed.

Position the flip battery

- Confirm the battery model to be **G78VQ**, as shown in **Fig 1**. If the model number isn't **G78VQ**, please *don't* use the battery.
- Tear off the **PSA liner** of the battery and use an **adsorption bulb** to pick up the battery.
- Align it to the upper-right corner of the depression and push it to the upper side and right side as much as possible.
- Remove the **adsorption bulb** and the **white liner** carefully.

Fig 1



Note

The white liner ensures that the battery is in the correct position.

Don't remove it prior to installation.

Use caution

Review all safety precautions before you begin work.

Make sure that the battery cosmetic checks are completed.

Press the flip battery twice

- Place the **universal supporting rubber #2** on the **universal holder #2**, and place the **universal holder limiting block #2** on top.
- Place the fixture in position **B2** on the **universal base**.
- Place the **Pixel 11 Pro Fold flip battery press rubber** on top of the **universal holder #2** and **universal press plate 12 mm**, as shown in **Fig 1** and **Fig 2**.
- Place it in the **universal press fixture**. Press the handle down for **30** seconds, as shown in **Fig 3**.
- Change the fixture in position **D1** and then **repeat** the above process again.

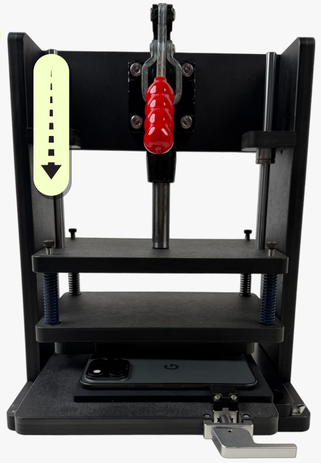
Fig 1



Fig 2



Fig 3



Use caution

Keep your hands clear during operation.

Note

Make sure that all protective films are removed before you press.

Assembly instructions

OD (outer display) sub

Solution 1: reuse the outer display

Solution 1: reuse the outer display

Reuse the OD

- Check the **display trim** for any separation.
- Check the **driver IC** area and **display FPC** for any dent or damage marks.
- Use a **spudger** to remove remaining glue from the **OD**. Remove large adhesive chunks with your fingers or **tweezers**.
- If any remains, clean the surface with a **dust-free cloth** and **Ethanol**.



Note

The yellow highlight indicates areas with residual adhesive.

Use caution

Don't use the deglue machine on the driver IC area.

Solution 1: reuse the outer display

Apply the 3M AP111 primer

- Apply the **Ethanol** around the edges of the **enclosure** with **dust-free cotton swabs.**
- Apply the **3M AP111 primer** around the edges of the **enclosure** with **dust-free cotton swabs.**



Use caution

After the primer is applied, complete the assembly in 25 minutes.

Solution 1: reuse the outer display

Align the OD PSA

- Slowly remove the **larger liner** from the **adhesive sheet** to expose the adhesive.
- Place the **sheet** over your phone, and align it with the device's left and top corner.
- Use your hand to apply the **adhesive** onto the **enclosure's** top side.

Part: G806-16049-01 (OD PSA)



Use caution

***Don't* touch the adhesive.**

If the PSA gets dirty or shift, replace it.

Solution 1: reuse the outer display

Activate the adhesive

- Make sure that the **adhesive** fully adheres to the **enclosure**.
- Activate it with a **spudger**.



Note

Inspect for any misalignment.

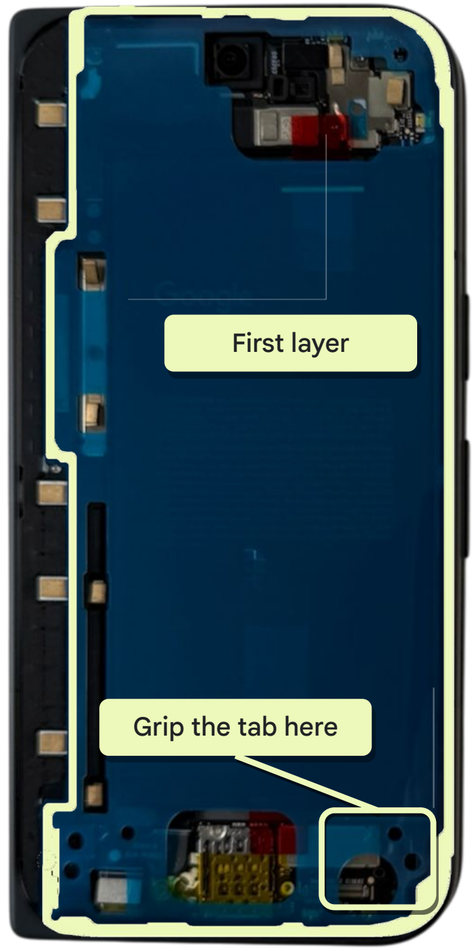
Solution 1: reuse the outer display

Remove the liner (first layer)

Carefully pull the tab to remove the **liner**, and avoid lifting the **adhesive**.

Use caution

***Don't* remove the second layer of the liner yet.**



Solution 1: reuse the outer display

Apply the 3M AP111 primer

- Apply the **Ethanol** around the edges of the **OD** with **dust-free cotton swabs.**
- Apply the **3M AP111 primer** around the edges of the **OD** with **dust-free cotton swabs.**



Use caution

After the primer is applied, complete the assembly in 25 minutes.

Solution 1: reuse the outer display

Connect the OD sub and flip battery

- Use an **adsorption bulb** to prop up the **OD**. Move the pasted Kapton tape on the SIM slot to the right side to align the screw hole near battery connector.
- Apply even pressure across the connector to connect the **OD** to the **lower board** then the **flip battery** and ensure a full engagement.
- Remove the **Kapton tape** on the SIM slot.
- Power on to check the device's functionality and power off afterward.

Part: G949-01689-00 (OD sub)

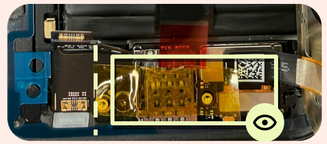
Use caution

When you attach the OD, ensure that the driver IC (COF) isn't damaged or deformed.

Check if all connectors are fully attached to the lower board.

Use caution

Move the Kapton tape to the right side to along the screw hole and remove the Kapton tape after flip battery connected.





Solution 1: reuse the outer display

Check the display

- Remove the **inner display process protective film**.
- Power on and **wait at least 10 seconds** to check if the device works properly.
- Power off after check.



Use caution

Don't touch the ID's TP until it turns to the Welcome page since touch panel self calibration is in progress.

Follow the instruction:
TP calibration note

Solution 1: reuse the outer display

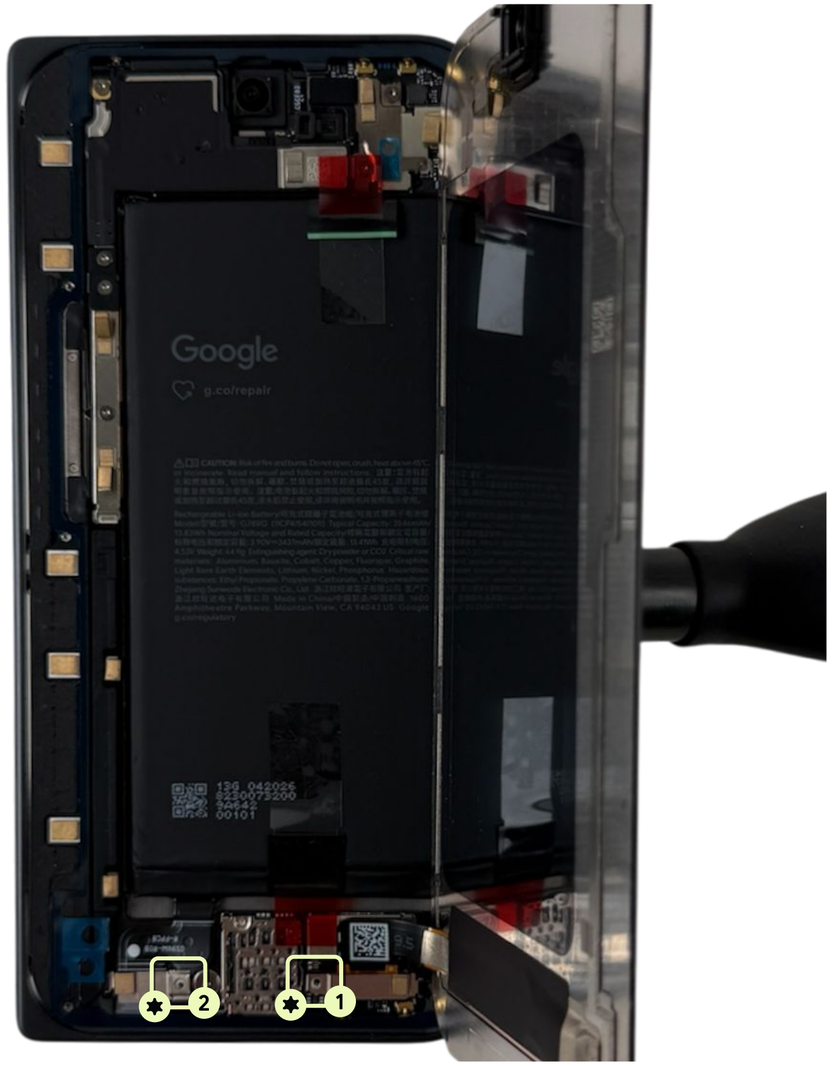
Place the OD and flip battery cowling

- Install the **OD cowling** and **flip battery cowling** on the **lower board** with tweezers.
- Fasten **OD cowling screw** and **flip battery cowling screw** with a **torx plus 3IP screwdriver**, and tighten twice.

Part: G250-08270-00 *2 (screws)

Part: G730-10308-00 (OD cowling)

Part: G730-10307-00 (flip battery cowling)



Use caution

Be cautious when you use the screwdriver. Avoid damaging the adjacent battery.

Incorrect use of the screwdriver might result in injuries to yourself or others, as well as damage to the battery or the product.

Solution 1: reuse the outer display

Place the rubber

- Install the **OD DDIC rubber** on the **SIM slot** with **tweezers**.
- Tear off the blue liners as shown in no. 1 and no. 2.

Part: G804-01432-00 (OD DDIC rubber)

Part: G806-15965-00 (outer FCAM cowling PSA)



Solution 1: reuse the outer display

Paste the pull jacket

- Peel off the **transparent tape** from the **flip battery** and paste the **upper pull jacket** green tab on the **flip FCAM cowling**.
- Peel off the **transparent tape** and paste the **bottom pull jacket** green tab on the **OD DDIC rubber**.

Part: G806-15967-00 (pull jacket)



Use caution

Review all safety precautions before you begin work.

Make sure that the battery cosmetic checks are completed.

Solution 1: reuse the outer display

Remove the liner

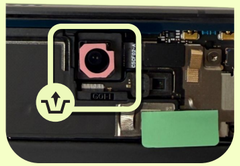
- Carefully peel the **OD PSA liner** counterclockwise with **tweezers**.

Part: G806-16049-01 (OD PSA)



Note

Remove the outer FCAM cap if you use a new outer FCAM.



Solution 1: reuse the outer display

Attach the OD

- Assemble the **OD** onto the device, and remove the **adsorption bulb.**
- Press around the **OD** sub with both hands.



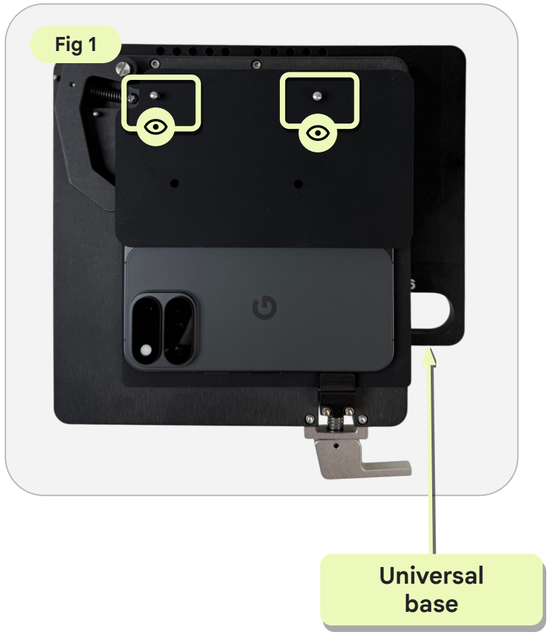
Note

Press the top side middle first, then follow with the two long sides and the bottom side.

Solution 1: reuse the outer display

Press the OD

- Place the **universal supporting rubber #2** on the **universal holder #2**, and place the **universal holder limiting block #2** on top.
- **Place the fixture** in position **C1** on the **universal base**.
- Apply the **Pixel 11 Pro Fold OD press rubber** on top of the **universal holder #2**, as shown in **Fig 1**.
- Place the **universal press plate 12 mm** on the press rubber, as shown in **Fig 2**.
- Place it in the **universal press fixture** and press the handle down for **60** seconds, as shown in **Fig 3**.







Use caution

Keep your hands clear during operation.

Note

Make sure that all protective films are removed before you press.

Note

Make sure that the Pixel universal holder is in the right position.

Assembly instructions

Outer display

Solution 2: use a new outer display sub

Solution 2: use a new outer display sub

Apply the 3M AP111 primer

- Apply the **Ethanol** around the edges of the **enclosure** with **dust-free cotton swabs.**
- Apply the **3M AP111 primer** around the edges of the **enclosure** with **dust-free cotton swabs.**
- Tear off the **Kapton tape** from SIM slot.



Use caution

After the primer is applied, complete the assembly in 25 minutes.

Solution 2: use a new outer display sub

Connect the OD sub

- Use an **adsorption bulb** to prop up the **OD**. Move the pasted **Kapton tape** on the SIM slot to the right side to align the screw hole near battery connector.
- Apply even pressure across the connector to connect the **OD** to the **lower board** then the **flip battery** and ensure a full engagement.
- Remove the **Kapton tape** on the SIM slot.
- Power on to check the device's functionality and power off afterward.

Part: G949-01689-00 (OD sub)



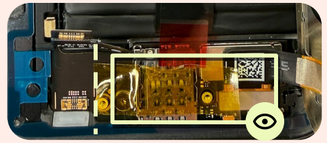
Use caution

When you attach the OD, ensure that the driver IC (COF) isn't damaged or deformed.

Check if all connectors are fully attached to the lower board.

Use caution

Stick it to the right side along the screw hole and remove the Kapton tape after flip battery connected.



Solution 2: use a new outer display sub

Check the display

- Remove the **inner display process protective film**.
- Power on and **wait at least 10 seconds** to check if the device works properly.
- Power off after check.



Use caution

Don't touch the ID's TP until it turns to the Welcome page since touch panel self calibration is in progress.

Follow the instruction:
TP calibration note

Solution 2: use a new outer display sub

Place the OD and flip battery cowling

- Install the **OD cowling** and **flip battery cowling** on the **lower board** with tweezers.
- Fasten **OD cowling screw** and **flip battery cowling screw** with a **torx plus 3IP screwdriver**, and tighten twice.

Part: G250-08270-00 (screw*2)

Part: G730-10308-00 (OD cowling)

Part: G730-10307-00 (flip battery cowling)



Use caution

Be cautious when you use the screwdriver. Avoid damaging the adjacent battery.

Incorrect use of the screwdriver might result in injuries to yourself or others, as well as damage to the battery or the product.

Solution 2: use a new outer display sub

Place the rubber

- Install the **OD DDIC rubber** on the **SIM slot** with tweezers.
- Tear off the blue liners (no. 1 and no. 2).

Part: G804-01432-00 (OD DDIC rubber)

Part: G806-15965-00 (outer FCAM cowling PSA)



Solution 2: use a new outer display sub

Paste the pull jacket

- Peel off the **transparent tape** from the **flip battery** and paste the **upper pull jacket** green tab on the **flip FCAM cowling**.
- Peel off the **transparent tape** from the **flip battery** and paste the **bottom pull jacket** green tab on the **OD DDIC rubber**.

Part: G806-15967-00 (pull jacket)



Use caution

Review all safety precautions before you begin work.

Make sure that the battery cosmetic checks are completed.

Solution 2: use a new outer display sub

Remove the liner, film, and cap

- Carefully peel the **OD PSA liner** with **tweezers**.
- Remove **mylar liner, outer FCAM film,** and **blue liner,** as shown in **Fig 1**.

Use caution

Make sure that the environment is clean for this process.

Note

Remove the outer FCAM cap if you use a new outer FCAM.



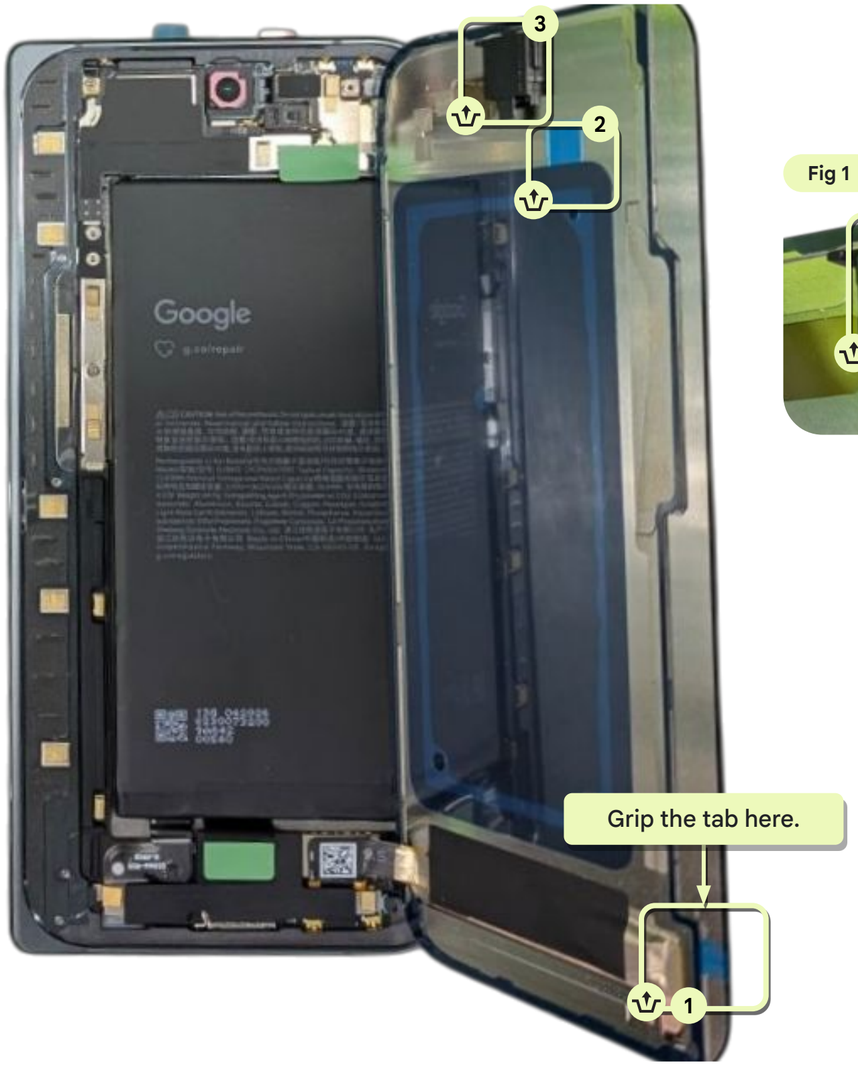
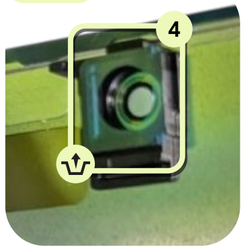


Fig 1



Solution 2: use a new outer display sub

Attach the OD

- Assemble the **OD** onto the device, and remove the **adsorption bulb.**
- Press around the **OD sub** with both hands.



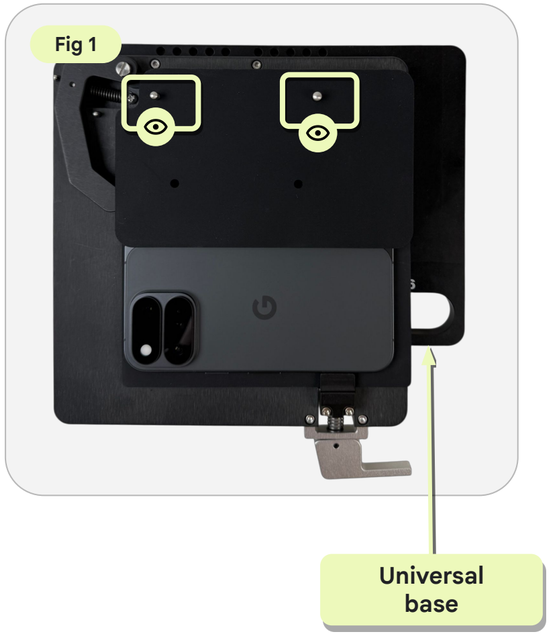
Note

Press the top side middle first, then follow with the two long sides and the bottom side.

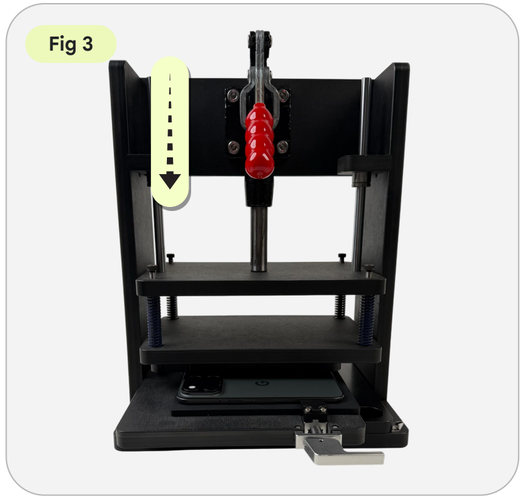
Solution 2: use a new outer display sub

Press the OD

- Place the **universal supporting rubber #2** on the **universal holder #2**, and place the **universal holder limiting block #2** on top.
- **Place the fixture** in position **C1** on the **universal base**.
- Apply the **Pixel 11 Pro Fold OD press rubber** on top of the **universal holder #2**, as shown in **Fig 1**.
- Place the **universal press plate 12 mm** on the press rubber, as shown in **Fig 2**.
- Place it in the **universal press fixture** and press the handle down for **60** seconds, as shown in **Fig 3**.







Use caution

Keep hands clear during operation.

Note

Make sure that all protective films are removed before you press.

Note

Make sure that the Pixel universal holder is in the right position.

Pixel 11 Pro Fold repair manual

Troubleshooting

Connectors location

Power

Wireless charge

Mic 1

Mic 2

Mic 3

Top speaker

Bottom speaker

Vibrator

Outer display

Outer display touch panel

RF (BT, WiFi, GPS, NFC)

Battery

SIM

Sensor

FPS

Power or volume button

Rear camera

Outer front camera

Inner front camera

USB

mmWave

Inner display

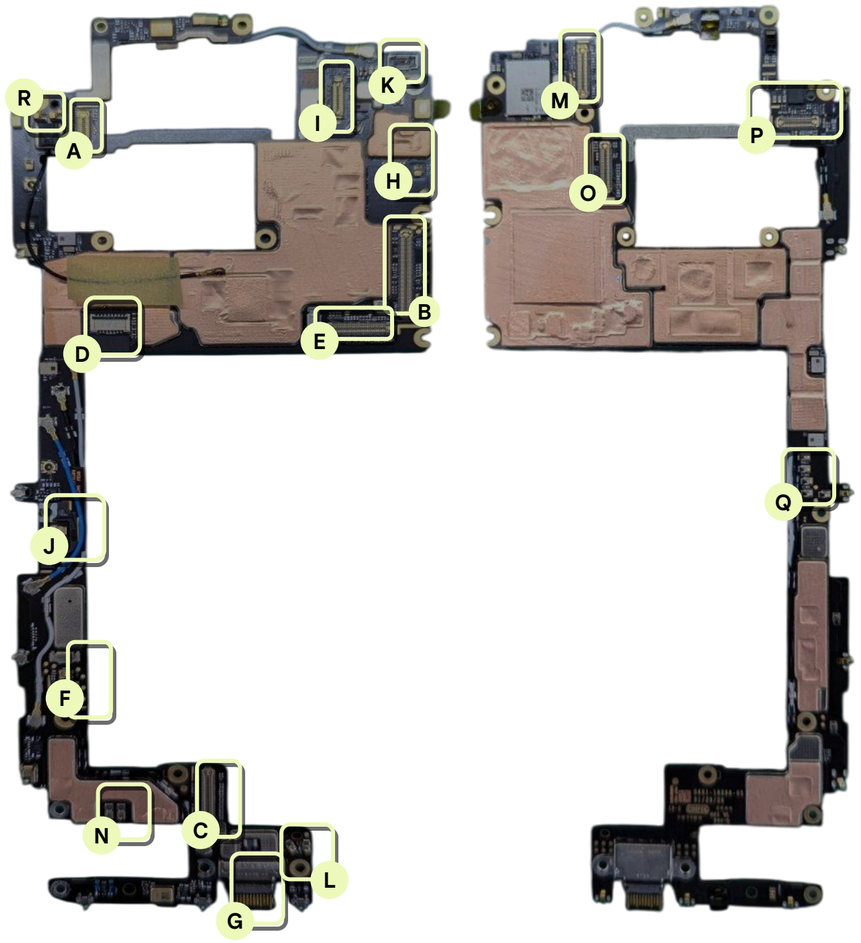
Inner display touch panel

UWB

Hinge

Connectors location

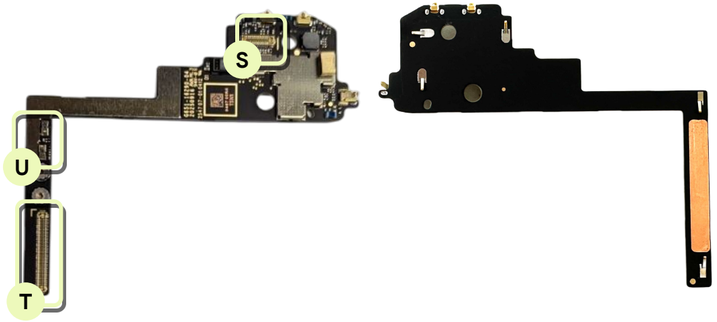
Location and description	
A	Inner front camera connector
B	Upper bridge FPC connector
C	Inner display connector
D	FPS (power button) connector
E	Bottom bridge FPC connector (include flip battery pins)
F	Base battery connector
G	USB port
H	UWB spring
I	Flam board connector
J	WLC spring
K	IF FPC connector
L	Bottom speaker spring
M	Tele camera connector
N	Vibrator spring



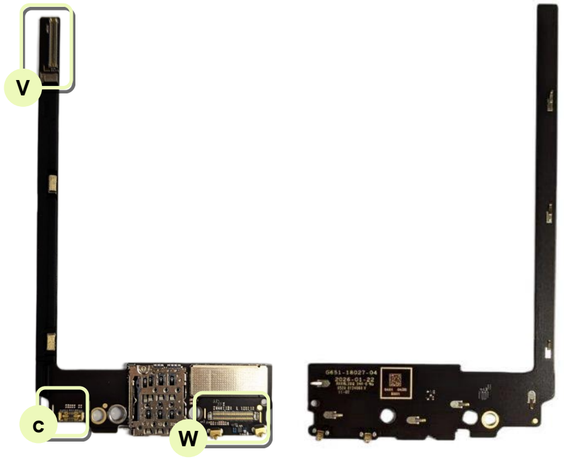
Location and description	
O	WIDE camera connector
P	UW camera connector
Q	Sidekey spring
R	Flash spring

Connectors location

Location and description	
S	Outer front camera connector
T	Upper bridge FPC connector
U	Top speaker spring
V	Lower bridge FPC connector
W	Outer display connector
X	Upper bridge FPC connector (flip side) (to T)
Y	Upper bridge FPC connector (base side) (to B)
Z	Bottom bridge FPC connector (base side) (to E)
a	Inner display FPC connector (to C)
b	Bottom bridge FPC connector_1 (flip side) (to V)
c	Flip battery connector
d	Magnet Power Profile
e	WLC contact pad
f	Flam board FPC connector (to I)
g	UWB contact pad
h	NFC contact pad









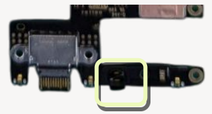
Power

Symptom	Potential root cause	Procedure	
T001: doesn't power on **T002:** powers off suddenly **T004:** wired charging failure	Battery over current protection (OCP) enable	Powers off suddenly or charging slowly. • Disconnect either battery BTB connector and wait for at least 20s.	Connectors location
	Damage	• Inspect the USB-C connector for debris that prevents charging. • Inspect the device if it's damaged. • Inspect the liquid damage indicators.	
	Battery capacity problem	• Insert the USB cable and try to charge the device for at least 10 minutes, or a dummy battery to see if the device is out of battery capacity. If not, go to the next step.	
	Connectivity problem	• Reassembly and check if the base side's connectivity between the base battery connector, bottom bridge FPC connector (for flip battery), and logic board is normal. • Reassembly and check if the flip side's connectivity between the flip battery connector and the lower board connector is normal. • If they aren't fully attached, reassemble and then test again.	Connectors location
	Module problem	• Use a functional logic board, base or flip battery, inner display sub, and lower board to cross-check with the original ones. • Replace the defective component.	**Disassembly** • Logic board • Base battery • Flip battery • Inner display sub • Lower board

Wireless charge

Symptom	Potential root cause	Procedure	
 **T003:** wireless charging failure	Connectivity problem	• Check if the connectivity between the BC sub's WLC pad and the logic board is normal. If there's no mark on the pin contact pads, it shows poor connectivity. • If marks are observed, clean the contact pad and test again.	Connectors location
	Module problem	• Use a correct BC sub and logic board to cross-check with original ones. • Replace the defective component.	Disassembly • Logic board • BC sub

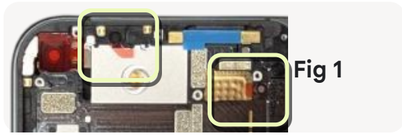
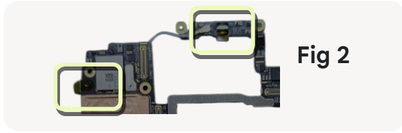
Mic 1

Symptom	Potential root cause	Procedure
T010: mic 1 no sound **T011:** mic 1 low sound **T012:** mic 1 distorted sound **T201:** microphone mesh damage  1 Mic 1 2 Mic 2 3 Mic 3	Mesh not clean	• Take a microscope to check the mic hole. For example, block by burrs or overflowing glue. • Clean the hole and test audio.
	Assembly problem	• Disassemble the device and check if the mic 1 mesh is fully seated, as shown in **Fig 1**. • Check if the mic 1 liner is removed, as shown in **Fig 2**. If not, go to the next step. • Test mic 1 again.  **Fig 1**  **Fig 2**
	Module problem	• Use a correct logic board and inner display sub to cross-check with the original ones. • Replace the defective component. **Disassembly** • Logic board • Inner display sub

Mic 2

Symptom	Potential root cause	Procedure	
T013: mic 2 no sound **T014:** mic 2 low sound **T015:** mic 2 distorted sound **T201:** microphone mesh damage  1 Mic 1 2 Mic 2 3 Mic 3	Connectivity problem	• Check if the connectivity between the flam board connector and the logic board is normal. • If they aren't fully attached, reassemble and then test again.	Connectors location
	Module problem	• Use a correct BC sub and logic board to cross-check with the original ones. • Replace the defective component.	**Disassembly** • BC sub • Logic board

Mic 3

Symptom	Potential root cause	Procedure
T016: mic 3 - no sound **T017:** mic 3 - low sound **T018:** mic 3 - distorted sound **T201:** microphone mesh damage  1 Mic 1 2 Mic 2 3 Mic 3	Mesh not clean	• Take a microscope to check the mic hole, for example block by burrs or overflowing glue. • Clean the hole and test audio.
	Assembly problem	• Disassemble the device and check mic 3 mesh is fully seated, as shown in **Fig 1**. • Check if the logic board mic 3 or mic liner is removed, as shown in **Fig 2**. If not, go to the next step. • Test mic 3 again.  **Fig 1**  **Fig 2**
	Module problem	• Use a correct logic board and inner display sub to cross-check with the original ones. • Replace the defective component. **Disassembly** • Logic board • Inner display sub

Top speaker

Symptom	Potential root cause	Procedure	
 **T019:** top speaker (or speaker 1, receiver) no sound **T020:** top speaker (or speaker 1, receiver) low sound **T021:** top speaker (or speaker 1, receiver) distorted sound **T200:** speaker mesh damage	Connectivity problem	• Check if the connectivity between the top speaker pad and the upper board is normal. If there's no mark on the pin contact pads, it shows poor connectivity. • If they aren’t fully attached, reassemble and then test again.	Connectors location
	Module problem	• If the sound quality is still poor, use a correct top speaker, upper board, and inner display sub to cross-check with the original ones. • Replace the defective component.	**Disassembly** • Top speaker with NFC FPCA • Upper board • Inner display sub

Bottom speaker

Symptom	Potential root cause	Procedure	
 **T023:** bottom peaker (or speaker 2) no sound **T024:** bottom speaker (or speaker 2) low sound **T025:** bottom speaker (or speaker 2) distorted sound **T200:** speaker mesh damage	Mesh problem	• Visually inspect the exterior of the phone and check for a polluted mesh on the bottom speaker port. Use a soft ESD brush to remove any debris. • Test audio.	
	Internal debris	• If the sound quality is still poor, inspect the mesh and the speaker with a microscope. • Disassemble the device and inspect the speaker. Remove any debris and test audio.	
	Connectivity problem	• Check if the connectivity between the bottom speaker pad and the logic board is normal. If there's no mark on the pin contact pads, it shows poor connectivity. • If they aren't fully attached, reassemble and then test again.	Connectors location
	Module problem	• If the sound quality is still poor, use a correct bottom speaker and logic board to cross-check with the original ones. • Replace the defective component.	**Disassembly** • Bottom speaker • Logic board

Vibrator

Symptom	Potential root cause	Procedure	
 **T026:** vibrator failure	Connectivity problem	• Check if the connectivity between the vibrator pad and the logic board is normal. If there's no mark on the pin contact pads, it shows poor connectivity. • Test the vibrator again. Check the function by triage test.	Connectors location
	Component problem	• Use a correct vibrator and logic board to cross-check with the original ones. • Replace the defective component.	**Disassembly** • Vibrator • Logic board

Outer display

Symptom	Potential root cause	Procedure	
 **T027:** display blank **T028:** display dead pixel, dark spots or foreign material **T029:** display bright pixel, bright or colored spots **T030:** display vertical or horizontal lines **T031:** display black, white, or colored screen **T032:** display flickering or abnormal **T033:** display image quality **T034:** display color mura **T035:** display light leakage **T036:** display backlight issue **T037:** display shadow **T038:** display permanent burnin **T039:** display temporary burnin	Damage	Inspect the display for damage and replace if necessary.	
	Connectivity problem	• Check if the connectivity between the outer display connector, lower board, and the lower bridge connector is normal. • If they aren't fully attached, reassemble and then test again.	Connectors location
	Dead pixels Distorted graphics Flickering Color issues	• Remove the outer display module, fit a replacement part without adhesive and test. • If the issue is resolved, apply adhesive and fit a new outer display module.	**Disassembly** • Outer display

Outer display (continued)

Symptom	Potential root cause	Procedure
 **T040:** display single crack **T041:** display multiple cracks **T042:** display to back cover or visor to back cover gap **T043:** display cosmetic defects	Dimple issues	Remove the outer display module to check the display copper. **Disassembly** • Outer display
	Component problem	• Use a correct outer display, lower board, and inner display sub to cross-check with the original ones. • Replace the defective component. **Disassembly** • Outer display • Lower board • Inner display sub

Outer display touch panel

Symptom	Potential root cause	Procedure	
 **T044:** multi-touch poor response **T045:** multi-touch no response **T046:** multi-touch erratic response	Connectivity problem	• Check if the connectivity between the outer display connector and the lower board is normal. • If they aren't fully attached, reassemble and then test again.	Connectors location
	Touch screen	• Remove the outer display module, fit a replacement part without the adhesive and test. • If the issue is resolved, apply the adhesive and fit a new outer display module.	**Disassembly** Outer display
	Dead pixels Distorted graphics Flickering Color issues	• Use a correct outer display, lower board, and inner display sub to cross-check with the original ones. • Replace the defective component.	**Disassembly** • Outer display • Lower board • Inner display sub

RF (BT, WiFi, GPS, NFC)

Symptom	Potential root cause	Procedure	
 **T047:** RF failure **T048:** Wi-Fi connectivity issues **T049:** bluetooth connectivity **T050:** GPS failure **T051:** NFC connectivity issues	Connectivity problem	• Check if the screws are loose, springs are damaged, and the coaxial cable of logic board is unlatched. • Check if the connectivity between the BC sub, inner display sub, logic board, top speaker with NFC FPCA, and upper board is normal. If there's no mark on the pin contact pads, it shows poor connectivity. • If marks are observed, clean the contact pad and test again. • If not, go to the next step.	Connectors location
	Module problem	• Use a correct BC sub, logic board, coaxial cable RCAM, lower board, top speaker with NFC FPCA, upper board, and inner display sub to cross-check with corresponding failure ones.	**Disassembly** • BC sub • Logic board • Coaxial cable RCAM • Lower board • Top speaker with NFC FPCA • Upper board • Inner display sub

Battery

Symptom	Potential root cause	Procedure	
 **T053:** battery damage **T054:** battery draining fast **T055:** device overheats	Connectivity problem	• Check if the base side's connectivity between the base battery connector, bottom bridge FPC connector for flip battery, and logic board is normal. • Check if the flip side connectivity between the flip battery connector and the lower board connector is normal. • If they aren't fully attached, reassemble and then test again.	Connectors location
	Module problem	• Use a correct base battery and logic board to cross-check with original ones. • Use a correct flip battery, lower board, and inner display sub to cross-check with the original ones. • When it's confirmed that the battery is abnormal, replace the two batteries together.	**Disassembly** • Base battery • Logic board • Flip battery • Lower board • Inner display sub

SIM

Symptom	Potential root cause	Procedure	
 **T056:** SIM failure **T058:** SIM port damage	Connectivity problem	• Check if the connectivity between the SIM slot and the SIM tray is normal. • If they aren't fully attached, reassemble and then test again.	Connectors location
	Component problem	• Use a correct lower board and inner display sub to cross-check with the original ones. • Replace the defective component.	**Disassembly** • Lower board • Inner display sub

Sensor

Symptom	Potential root cause	Procedure
 **T059:** proximity sensor failure **T060:** ambient light sensor failure **T061:** accelerometer sensor failure **T062:** gyroscope sensor failure **T063:** hall sensor failure **T066:** pressure sensor failure **T099:** rainbow sensor defect **T108:** LDAF laser module **T118:** magnetometer failure **T149:** accelerometer sensor_2 failure **T150:** gyroscope sensor_2 failure **T155:** ambient light sensor_2 failure	SW problem	Make sure that the SW is already updated to the latest version.
	Assembly issue	Check the P-sensor rubber to ensure that it's in the correct position. Make sure that there's no foreign substance that covers the **P-sensor** area. **Assembly** P-sensor rubber status
	Connectivity problem	Check the function by triage test.
	Module problem	• Disassemble and check the appearance of the proximity sensor, so that it isn't abnormal. • Use a correct upper board, logic board, and inner display sub to cross-check with the P-sensor, light sensor 1, and the light sensor 2 failure. • Use a correct upper board, logic board, and inner display sub to cross-check with the accelerometer 1 or 2, the gyro sensor 1 or 2, the magnetic sensor and the hall sensor 1 or 2 failure. • Use a correct BC sub to cross-check with the rainbow or the flicker sensor and the LDAF failure. • Replace the defective components. **Note** P-sensor, light sensor 2, accelerometer 2, gyro sensor 2, and magnetic sensor 1 at the upper board. Light sensor 1, accelerometer 1, gyro sensor 1, magnetic sensor 2, and barometer at the logic board. Hall sensor at the lower board. Rainbow sensor and LDAF at the BC sub. **Disassembly** • Upper board (P-sensor rubber) • Lower board • Logic board • BC sub • Inner display sub

Sensor location

No	Function	Logic board	Upper board	Lower board	BC sub
1	Light sensor 1	O			
2	Light sensor 2		O		
3	P-sensor		O		
4	Barometer	O			
5	Gyroscope 1	O			
6	Gyroscope 2		O		
7	Accelerometer 1	O			
8	Accelerometer 2		O		
9	Rainbow				O
10	LDAF				O
11	Magnetic sensor 1		O		
12	Magnetic sensor 2	O			
13	Hall sensor			O	

FPS

Symptom	Potential root cause	Procedure	
 **T064:** fingerprint sensor functional failure	Connectivity issue	• Check if the connectivity between the fingerprint sensor module connector and the logic board are normal. • If they aren't fully attached, reassemble and then test again.	Connectors location
	Component issue	• Use a correct inner display sub and logic board to cross-check with the original ones. • Replace the defective component.	**Disassembly** • Inner display sub • Logic board

Power or volume button

Symptom	Potential root cause	Procedure	
 **T068:** power button failure **T069:** volume button failure	Connectivity issue	• Check if the connectivity between the sidekey module and the logic board is normal. • If they aren't fully assembled, reassemble and then test again.	Connectors location
	Component issue	• Use a correct sidekey module and logic board to cross-check with the original ones. • Replace the defective component.	**Disassembly** • Sidekey module (inner display sub) • Logic board

Rear camera

Symptom	Potential root cause	Procedure	
 **T073:** camera rear photo quality **T074:** camera rear video quality **T078:** can’t switch between cameras **T079:** camera damage **T111:** main RCAM crashes **T112:** UW RCAM crashes **T114:** main RCAM no preview **T115:** UW RCAM no preview **T116:** ultrawide rear camera photo quality **T117:** ultrawide rear camera video quality **T196**: tele RCAM crashes **T197**: tele RCAM no preview **T198**: tele rear camera photo quality **T199**: tele rear camera video quality	SW problem	Make sure that the SW is already updated to the latest version.	
	Cosmetic problem	• Inspect whether the camera lens area is damaged. • Check the function by triage test. • Disassemble the device to check if the camera connector is seated properly. Power on the unit and check the camera failure symptom.	
	Connectivity problem	Check the rear camera BTB and the logic board side to identify if the assembly is deformed or flex crack, and reboot the device again to check if the failure symptom exists.	Connectors location
	Module problem	If the failure symptom still exists, cross-check the logic board itself or the camera module (UW, WIDE, or tele) to determine if the failure symptom is caused by the camera module or the logic board.	**Disassembly** • Logic board • Rear camera

Outer front camera

Symptom	Potential root cause	Procedure	
 **T075:** camera front photo quality **T076:** camera front video quality **T078:** can’t switch between cameras **T079:** camera damage **T110:** FCAM crashes **T113:** FCAM no preview	Cosmetic problem	• Inspect the camera lens area for damage. • Check the function by triage test. • Disassemble the device to check if the camera connector is seated properly. Power on the unit and check the camera failure symptom again.	
	Connectivity problem	Check the outer front camera BTB, upper board, and upper bridge connector side to identify if the assembly is deformed or flex crack, and reboot the device again to check if the failure symptom exists.	Connectors location
	Module problem	If the failure symptom still exists, use a correct logic board, outer camera module, and inner display sub to cross-check with original ones.	**Disassembly** • Upper board • Outer front camera • Inner display sub

Flashlight

Symptom	Potential root cause	Procedure	
 **T077:** camera flash not working	Connectivity problem	• Check if the connectivity between the flam FPC of BC and the logic board is normal. • If they aren't fully attached, reassemble and then test again.	Connectors location
	Module problem	• Use a correct BC sub and logic board to cross-check with the original ones. • Replace the defective component.	Disassembly • BC sub • Logic board

Inner front camera

Symptom	Potential root cause	Procedure	
 **T078:** can’t switch between cameras **T079:** camera damage **T156:** camera front inner photo quality **T157:** camera front inner video quality **T158:** inner FCAM crashes **T159:** inner FCAM no preview	Cosmetic problem	• Inspect the camera lens area for damage. • Check the function by triage test. • Disassemble the device to check if the camera connector is seated properly. Power on the unit and check the camera failure symptom again.	
	Connectivity problem	Check the inner front camera BTB and the logic board side to identify if assembly is deformed or flex crack, and reboot device again to check if the failure symptom exists.	Connectors location
	Module problem	If the failure symptom still exists, cross-check the logic board itself or the camera module to determine if the fail symptom is caused by the camera module or the logic board.	**Disassembly** • Inner front camera • Logic board

USB

Symptom	Potential root cause	Procedure	
 **T083:** USBc_1 corrosion or contamination **T084:** USBc_1 physical damage **T085:** USBc_1 failure	Connectivity problem	• Inspect the USB port to see if there's damage or any dust inside. • Check the function by triage test. • Disassemble the device to check if the logic board is seated properly. Power on the unit, and check the failure symptoms again.	Connectors location
	Module problem	Check the logic board side to identify if the assembly is deformed and reboot the device again to check if the failure symptom exists.	**Disassembly** • Logic board

mmWave

Symptom	Potential root cause	Procedure	
 **T105:** 5G_low med band failure **T106:** 5G high band failure	Connectivity problem	• Inspect the mmWave module and check if the IF FPC is correctly seated. • Check if the connectivity between the IF FPC and the logic board is normal. • Check if the connectivity between the inner display sub and the logic board is normal. • If they aren't fully attached, reassemble and then test again.	Connectors location
	Module problem	Use a correct mmWave module, IF FPC, and logic board to cross-check with the original ones.	**Disassembly** • mmWave • IF FPC • Logic board

Inner display

Symptom	Potential root cause	Procedure	
 **T160:** inner display blank **T161:** inner display dead pixel, dark spots, or foreign material **T162:** inner display bright pixel, bright, or colored spots **T163:** inner display vertical or horizontal lines **T164:** inner display black, white, or colored screen **T165:** inner display flickering or abnormal **T166:** inner display image quality **T167:** inner display color mura **T168:** inner display light leakage **T169:** inner display backlight issue **T170:** inner display shadow **T171:** inner display permanent burnin **T172:** inner display temporary burnin **T173:** inner display display single crack **T174:** inner display displays multiple cracks **T175:** inner_display_displays cosmetic defects **T176:** inner display screen is broken but display is working **T186:** protection film bubbles or delamination at hinge **T187:** protection film tear or removal **T190:** bump in inner_display **T191:** inner dsplay_patchy thick band of dead pixels	Damage bubble	Inspect the inner display for damage or bubble between display and protective film and replace if necessary.	**Disassembly** • Inner display protective film
	Connectivity problem	• Check if the connectivity between the inner display connector and the logic board is normal. • If they aren't fully attached, reassemble and then test again.	
	Dead pixels Distorted graphics Flickering Color issues	• Remove the inner display sub module, fit a replacement part without the adhesive and test. • If the issue is resolved, apply adhesive and fit a new inner display sub module.	
	Module problem	• If the failure symptom still exists, use a correct inner display sub and logic board to cross-check with the original ones. • Replace the defective component.	**Disassembly** • Inner display sub • Logic board

Inner display touch panel

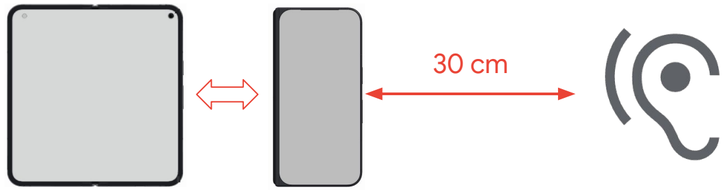
Symptom	Potential root cause	Procedure	
 **T177:** inner display multi-touch poor response **T178:** inner display multi-touch no response **T179:** inner display multi-touch erratic response	Connectivity problem	• Check if the connectivity between the inner display connector and the logic board is normal. • If they aren't fully attached, reassemble and then test again.	Connectors location
	Touch screen	• Remove the inner display sub module, fit a replacement part without adhesive and test. • If the issue is resolved, apply adhesive and fit a new inner display sub module.	**Disassembly** • Inner display sub
	Module problem	• Use a correct inner display sub and logic board to cross-check with the original ones. • Replace the defective component.	**Disassembly** • Inner display sub • Logic board

UWB

Symptom	Potential root cause	Procedure	
 **T181:** ultra-wideband (UWB) failure	Connectivity problem	• Check if the connectivity between the BC sub and the logic board is normal. • If they aren't fully attached, reassemble and then test again.	Connectors location
	Module problem	• Use a correct BC sub and logic board to cross–check with the original ones. • Replace the defective component.	**Disassembly** • BC sub • Logic board

Hinge

Symptom	Potential root cause	Procedure
 **T188:** Hinge malfunction **T189:** Hinge stuck or damaged	Component problem	• Follow the table below to check if the hinge function is abnormal. • Use a correct inner display sub to cross-check with the original ones. • Replace the defective component. **Disassembly** • Inner display sub

Check item	Verification method	Verification photo
Open angle	Unfold the device completely, then put the device on the holder (ID face down and up) to check if the hinge area has any hump or slump.	 ID face down or up
Hinge torque	Put the device on the desk and open it at around 45 degrees and 135 degrees angle to check if the device could hold at 45 degrees and 135 degrees.	 45 degrees or 135 degrees angle
Hinge noise	Remove the ID process PF before the test. Find a quiet area to listen at 30 cm distance to check if there's noise during folding and unfolding action three times.	



Pixel 11 Pro Fold repair manual

Software

Software tools

Description	Documentation
Update or reinstall the software on Pixel devices	Google Pixel Update and Software Repair