



CORE-M6



Disassembly guide

Introduction	5
Warnings about the repair	5
Electrostatic discharge (ESD), work environment.....	7
Required tools.....	8
Spare parts list	9
Disassembly, reassembly, and replacement of parts	12
Rear cover	12
Disassembly of the rear cover	12
Replacement of the rear cover	13
Reassembly of the rear cover.....	13
Replacement of the NFC antenna.....	14
Replacement of the magnetic connector	16
Replacement of the HP daughterboard	16
Battery	17
Disassembly of the Battery	17
Battery replacement.....	18
Reassembly of the Battery	18
Support panel (upper).....	20
Disassembly of the support panel (upper).....	20
Replacement of the support panel (upper).....	20
Reassembly of the support panel (upper).....	21
Flash daughterboard replacement	21
Rear camera.....	22
Replacement of the rear camera	22
Front camera.....	23
Replacement of the front camera	23
Main flex	24
Disassembly of the main flex.....	24
Replacement of the main flex.....	25
Reassembly of the main flex.....	25
Coaxial cables	26
Disassembly of the coaxial cables	26

Replacement of the coaxial cables	27
Reassembly of the coaxial cables	27
Motherboard	29
Disassembly of the motherboard	29
Replacement of the motherboard	31
Motherboard reassembly	31
Speaker	32
Disassembly of the speaker	32
Replacement of the speaker	33
Reassembly of the speaker	33
Speaker	34
Disassembly of the speaker	34
Replacement of the speaker	35
Reassembly of the speaker	36
Vibrator	37
Disassembly of the vibrator	37
Replacement of the vibrator	37
Reassembly of the vibrator	38
USB-C connector	39
Disassembly of the USB-C connector	39
Replacement of the USB-C connector	39
Reassembly of the USB-C connector	40
Main daughterboard	40
Disassembly of the main daughterboard	40
Replacement of the main daughterboard	41
Reassembly of the main daughterboard	41
Front cover (equipped)	42
Disassembly of the front cover	42
Replacement of the front cover	42
Reassembly of the front cover	42
Information for recyclers	43

INTRODUCTION

Crosscall was founded more than 10 years ago on a commitment: to manufacture durable mobile phones, even under the most challenging usage conditions.

It is thanks to its years of experience and the special attention of its teams to design, industrialization, and quality control that Crosscall offers its users [a 5-year manufacturer warranty](#) and spare parts available for 10 years on all products from the new CORE range, which is exceptional in the world of telephony.

This document is a disassembly and reassembly guide for the **Crosscall CORE-M6** smartphone.

It also explains which operations must be performed when replacing a part.

It is organized as follows :

- **Warnings and precautions to take before disassembling the device.**
- **Required tools : List of essential tools for disassembling/reassembling parts**
- **Replacement of parts :**
 - Structured as follows for each main part :
 - Required tools : Tools needed for the relevant operation.
 - Preliminary operations before disassembling the part : indicates other parts to be removed before accessing the desired part.
 - Disassembly of the part.
 - Replacement of the part : concerns the preparation of the new part.
 - Reassembly of the part.

WARNINGS ABOUT THE REPAIR

Beyond the impact on the warranty (see the box below), opening the device and replacing parts may affect the waterproofness, durability, and battery life of your product if not performed in an authorized service center by CROSSCALL.

Before having a repair carried out, check whether it is covered by the manufacturer warranty by referring to the terms of the commercial warranty contract on our website and review the information below.

IMPACT ON THE WARRANTY

Any modification or change made to your device outside an authorized CROSSCALL service center will void the warranty. If your device needs to be repaired, we recommend entrusting it to the CROSSCALL after-sales service (contact available on our website <https://crosscall.com/pages/sav/>).

WATERPROOFNESS

IMPORTANT, the waterproofness of phones repaired outside an authorized CROSSCALL service center is no longer guaranteed.

BATTERY

The dangers associated with handling batteries

To ensure your safety, CROSSCALL batteries and devices are tested according to international standards. The design of our devices also contributes to your safety : the battery is enclosed in a metal frame.

The battery is a part that may pose risks to the person performing the repair if they do not have the required qualifications. If the battery is not removed correctly, it can damage the device and cause bodily injury.

A lithium battery is characterized by its **high energy density**. Before handling a battery, you must be aware of the following risks (non-exhaustive list).

The main risk is related to **improper handling** (shocks, impacts, damage) which can pose a **significant safety risk**.

Mechanical damage can cause deformation of the cells inside the battery and lead to internal short circuits and **thermal runaway** of the battery. The lithium battery then uncontrollably releases the energy it has stored.

Thermal runaway, with temperatures above 250°C, will cause a strong generation of flammable gases inside the affected battery, and these gases will trigger the explosion of the battery casing. The metals then melt and burn.

The fumes released are **toxic** and highly **corrosive**.

Contact with moisture can also cause a short circuit in the battery.

Safety instructions

- Turn off the device before any operation.
- Do not turn it back on before complete reassembly.
- Turn off the device before removing the Battery. If you remove the Battery while the device is on, it may malfunction.
- Do not disassemble or puncture the Battery, as this may cause an explosion or fire.
- Do not cause a short circuit.
- Do not reuse the Battery if you have any doubt about its integrity after disassembly.
- Recycle the Battery according to current regulations.
- Do not throw it into fire



Please follow the rules for waste disposal when discarding the packaging, the Battery, the device, and its electronic parts. Take them to a collection point so they can be properly recycled. Do not throw used electrical and electronic devices or Batteries in a regular trash bin. Please deposit used lithium Batteries in a designated location.

ELECTROSTATIC DISCHARGE (ESD), WORK ENVIRONMENT

During the disassembly / reassembly operation, it is recommended to wear a grounded anti-static wrist strap. If this is not possible, it is essential to wash your hands and discharge any accumulated static electricity by touching a grounded metal object (e.g. radiator) before proceeding with the disassembly / reassembly of the device.

Electrostatic discharge (ESD) can permanently damage the device's electronics.

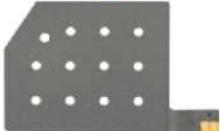


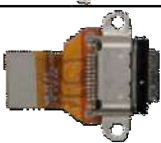
Any operation on the device must be carried out in a bright, clean, and dust-free environment. Dust can settle on parts related to photography and video and affect focusing. Metallic dust can also cause short circuits.

REQUIRED TOOLS

Description	Picture	Description	Picture
ESD equipment		LOCTUO RTV165 silicone syringe	
Antistatic tools for dismantling: nylon pointer, pick, etc.		SIM extractor	
Antistatic tweezers		Glue applicator gun	
Cutter		Tape screen protector	
Philips screwdriver PH00		Isopropyl alcohol	
Torque screwdriver PH00		Rag	

SPARE PARTS LIST

Référence Article	Désignation Article	Illustration
2101140518617	Adhésif conducteur <i>GROUNDING ADHESIVE TAPE</i>	
2101140461778	Antenne NFC <i>NFC ANTENNA</i>	
2101140120825	Batterie <i>BATTERY</i>	
2101140530204	Blindage batterie <i>BRACING PANEL</i>	
2101140465112	Câble coaxial 125 mm <i>COAXIAL CABLE (125 MM)</i>	
2101140467082	Câble coaxial 161 mm <i>COAXIAL CABLE (161 MM)</i>	
2104140465695	Câble coaxial 98,5 mm <i>COAXIAL CABLE (98,5 MM)</i>	
2101100410293	Caméra arrière <i>REAR CAMERA</i>	
2101140420948	Caméra avant <i>FRONT CAMERA</i>	
2101140540174	Capuchon silicone <i>SILICONE CASE</i>	
2101140330917	Carte fille flash <i>FLASH SUB BOARD</i>	

Référence Article	Désignation Article	Illustration
2101140434747	Carte fille haut-parleur <i>ADAPTER BOARD OF SPEAKER</i>	
2101140320887	Carte fille principale <i>SUB BOARD ASSEMBLY - SUB PCBA - FLASH</i>	
2101140311856	Carte mère <i>MAIN BOARD ASSEMBLY - PCBA (6+128GB)</i>	
2101140472716	Connecteur magnétique <i>MAGCONN FPC</i>	
2101140473170	Connecteur USB-C <i>USB FPC</i>	
2101140220771	Cosmétique arrière <i>BACK HOUSING ASSEMBLY</i>	
2101140210726	Cosmétique avant équipée <i>FRONT HOUSING ASSEMBLY</i>	
2101090440985	Ecouteur <i>RECEIVER</i>	
2102070640736	Extracteur sim <i>NEEDLE FOR SIM/SD CARD</i>	
2101140470006	Flex principal <i>MAIN FPC</i>	
2101140430587	Haut-parleur <i>SPEAKER</i>	
2101140532648	Panneau de support (supérieur) <i>BRACING PANEL (UP)</i>	

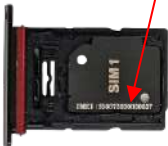
Référence Article	Désignation Article	Illustration
2101140260037	Tiroir sim <i>SIM TRAY (DUAL SIM OR SINGLE SIM & SD CARD)</i>	
2101090450098	Vibreur <i>MOTOR</i>	
2104140520439	Vis M1.4x2.0 <i>SCREW (M1.4x2F BLACK)</i>	
2101100552347	Vis M1.4x2.5 <i>SCREW (M1.4x2.5F)</i>	
2102070552828	Vis M1.4x3.5 <i>SCREW - (M1.4*3.5)</i>	
2101140550143	Vis M1.6x4,3 <i>SCREW (M1.6*4.3)</i>	
2104070541406	Pâte thermique <i>THERMAL PASTE (FOR MAIN BOARD)</i>	
2101140580433	Joint torique <i>O-RING</i>	

DISASSEMBLY, REASSEMBLY, AND REPLACEMENT OF PARTS

Rear cover

Disassembly of the rear cover

Required tools	• SIM ejector • H1.5 hex screwdriver
Preliminary operations	

	Remove the SIM tray by inserting the ejector into the tray hole.  The engraved IMEI must match that of the motherboard.  SIM tray 2101140260037
	Using the H1.5 hex screwdriver tip, unscrew the 14 M1.6x4.3F screws circled in red. Screw 2101140550143
	The rear cover can then be removed. Open the USB-C cap and, using your fingers, lift the rear cover at the USB-C port.

Replacement of the rear cover

	No specific action required when changing this part. Rear cover 2101140220771
---	--

Reassembly of the rear cover

Required tools	• Torque screwdriver + H1.5 hex tip
-----------------------	---

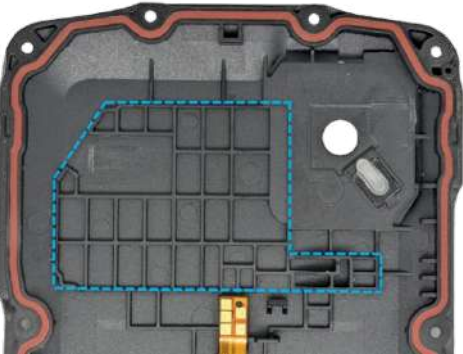
 First place the marker to facilitate the installation of the gasket	 When reassembling the original rear cover, the waterproofness O-ring must be replaced. O-ring 2101140580433
--	--

 H1.5 M1.6x4.3F (x14)	Assemble the rear cover + O-ring onto the smartphone. Using the torque screwdriver fitted with the H1.5 hex tip, tighten the 14 M1.6x4.3F screws circled in red to the following torque : 0.15 N.m ± 0.1 Screw 2101140550143
---	---

 The image shows the back cover of a smartphone on the left. A red arrow points from the back cover to a white label on the right. The label has the CROSSCALL logo, 'Model: Core-M6 IP68', two IMEI numbers (IMEI1: 351262720032896 and IMEI2: 351262720032904), a barcode, and a warning symbol with the text 'Retire / Remove'.	The IMEI numbers on the label must match those of the motherboard.
--	---

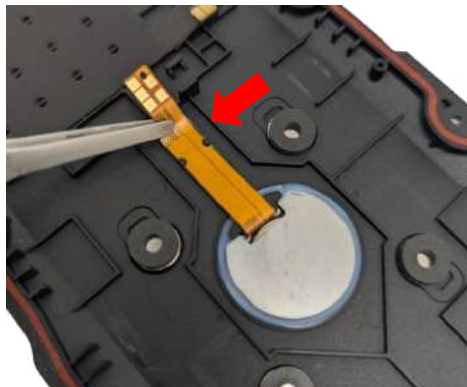
Replacement of the NFC antenna

Required tools	• Tweezers
-----------------------	--

 The left image shows the back cover of a smartphone with a red rectangle highlighting the location of the NFC antenna. The right image shows a gloved hand using tweezers to remove the old NFC antenna from the back cover.	Remove the old NFC antenna using tweezers.
 The image shows the back cover of a smartphone with a blue dashed line indicating the location of the new NFC antenna. The new antenna is being stuck onto the back cover.	Stick the new antenna onto the dedicated location. NFC antenna 2101140461778

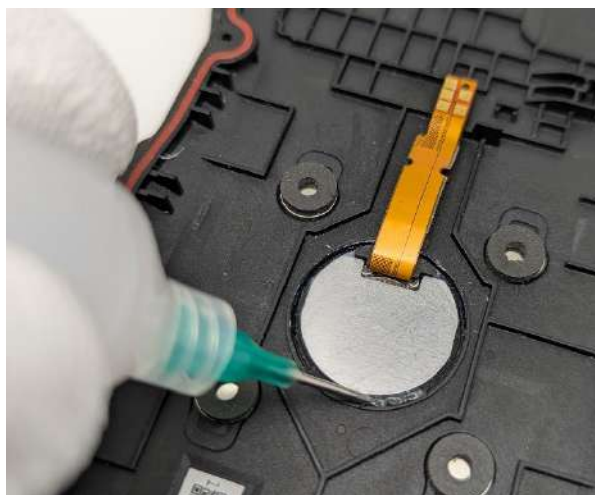
Replacement of the magnetic connector

Required tools	• Tweezers • Cutter • Silicone
-----------------------	--



Remove the Flex and cut the silicone gasket around the connector with a cutter.

Remove the connector and clean off any excess silicone remaining on the rear cover.



Remove the protective film from the adhesive of the new magnetic connector.

Install the new magnetic connector and apply LOCTUO RTV165 silicone gasket (recommended product – not sold by CROSSCALL). Then position the Flex.

Magnetic connector
2101140472716

Replacement of the HP daughterboard

Required tools	• Tweezers
-----------------------	--



Detach the HP daughterboard using tweezers.

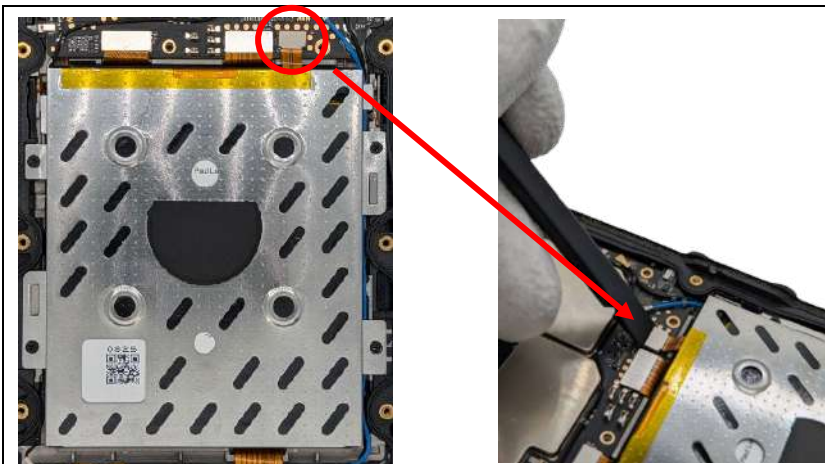
Attach the new HP daughterboard.

HP daughterboard
2101140434747

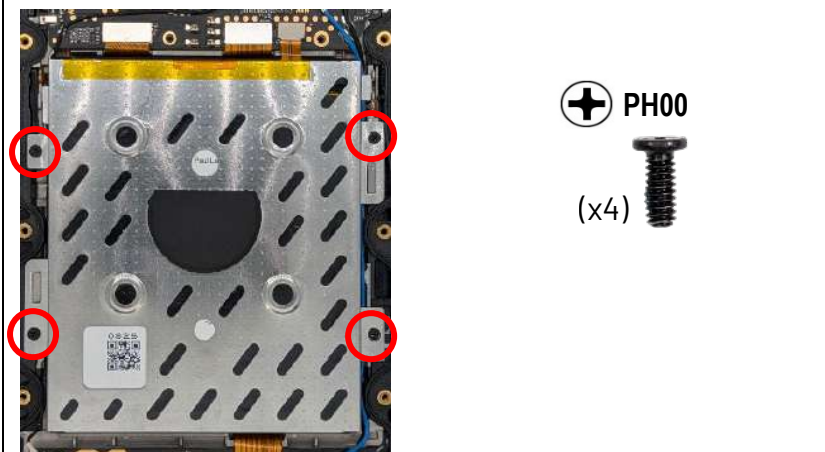
Battery

Disassembly of the Battery

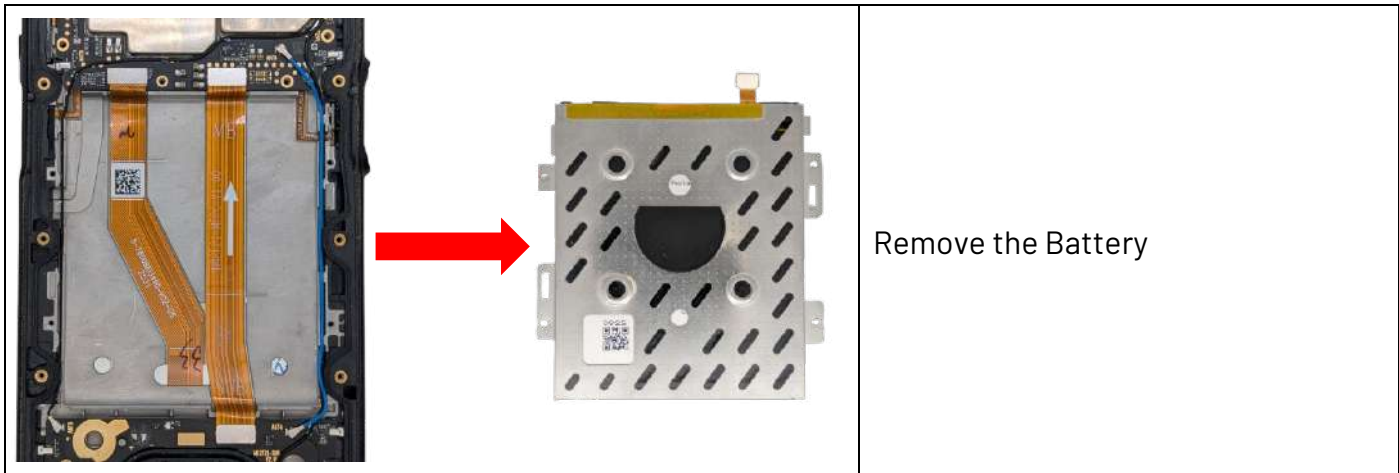
Required tools	00 Phillips screwdriver
Preliminary operations	Disassembly of the rear cover



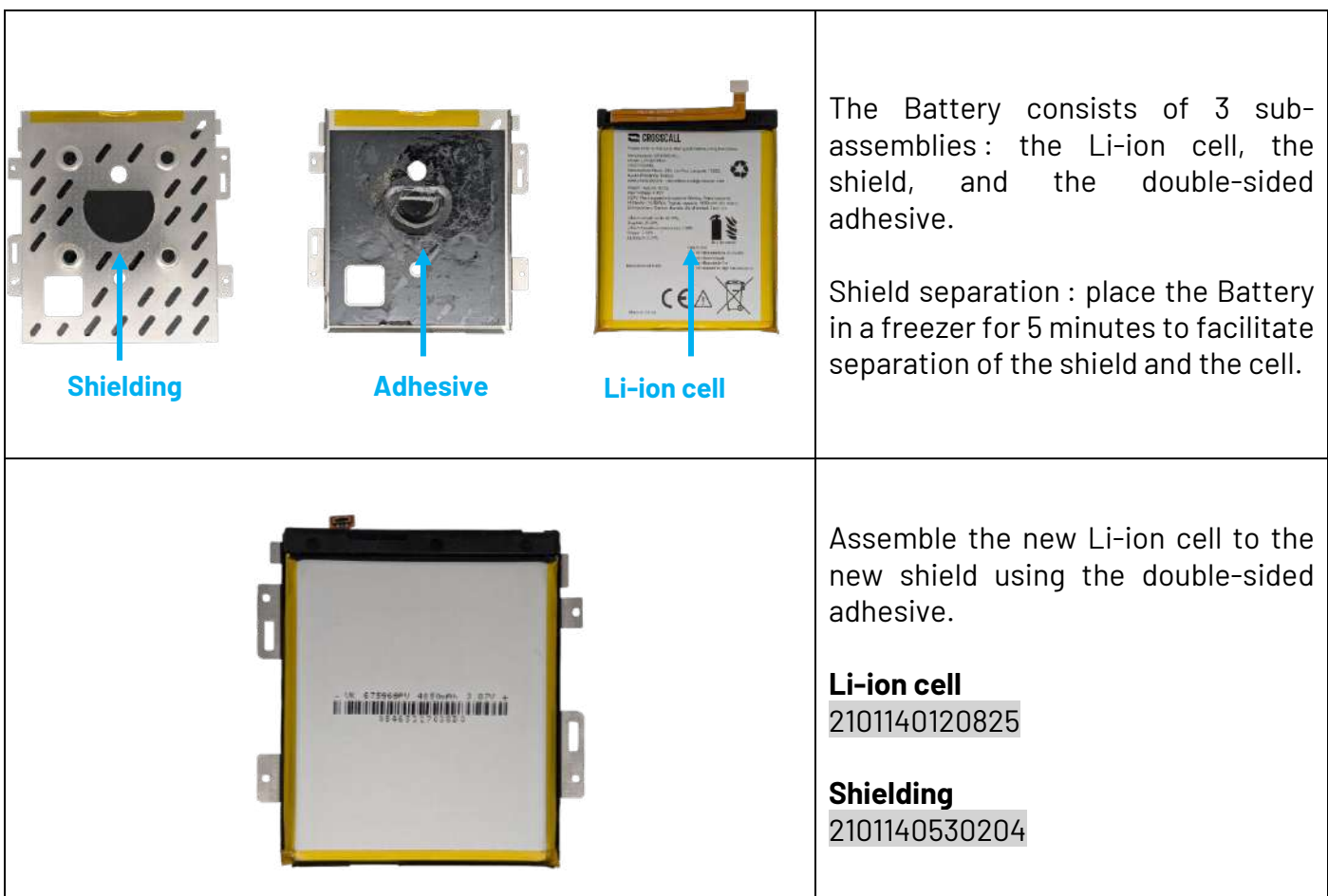
Disconnect the battery connector by lifting it with the nylon pointer



Using the screwdriver with 00 Phillips bit, unscrew the 4 M1.4x3.5 Black screws circled in red.



Battery replacement



Reassembly of the Battery

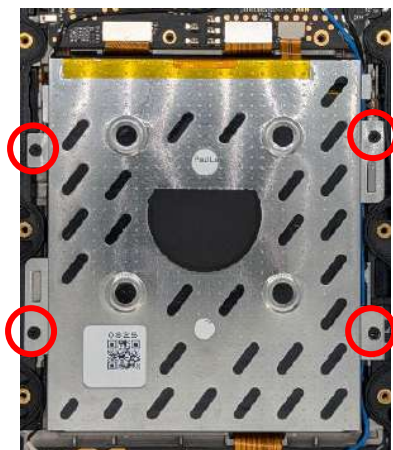
Any modification or any change made to your device outside of an authorized service center will result in the cancellation of the warranty. If your device needs to be repaired, we recommend that you entrust it to the CROSSCALL after-sales service (contact information available on our [website](https://crosscall.com/sav/) <https://crosscall.com/sav/>).

Required tools

- 00 Phillips screwdriver



Reconnect the battery connector.



⊕ PH00

(x4)

Using the torque screwdriver equipped with the 00 Phillips bit, tighten the 4 M1.4x3.5 Black screws circled in red to the following torque :

0.08-0.09 N.m

Screw

2102070552828

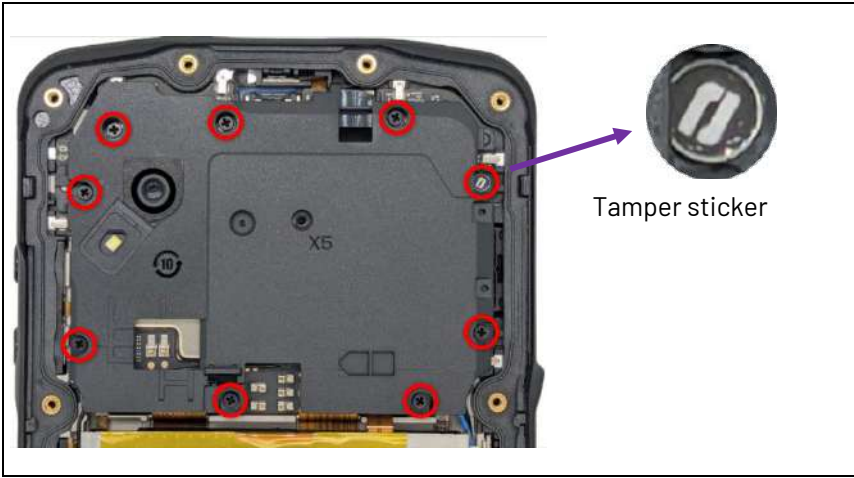


Always use new screws

Support panel (upper)

Disassembly of the support panel (upper)

Required tools	• 00 Phillips screwdriver
Preliminary operations	• Disassembly of the rear cover

	Remove the tamper sticker from the screw in the lower left corner. Using the screwdriver with 00 Phillips bit, unscrew the 9 M1.4x3.5 Black screws circled in red. Remove the support panel (upper).
--	---

Replacement of the support panel (upper)



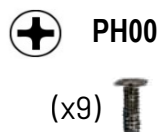
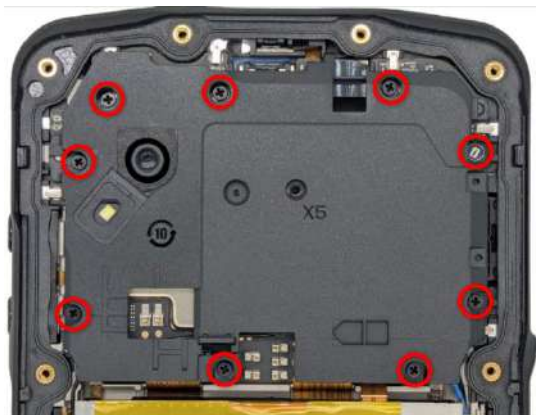
No specific action required when replacing this part.

Support panel (upper)
2101140532648

Reassembly of the support panel (upper)

Required tools

- 00 Phillips screwdriver



Position the support panel (upper) on the motherboard.

Using the torque screwdriver equipped with the 00 Phillips bit, tighten the 9 M1.4x3.5 Black screws circled in red to the following torque :

0.08-0.09 N.m

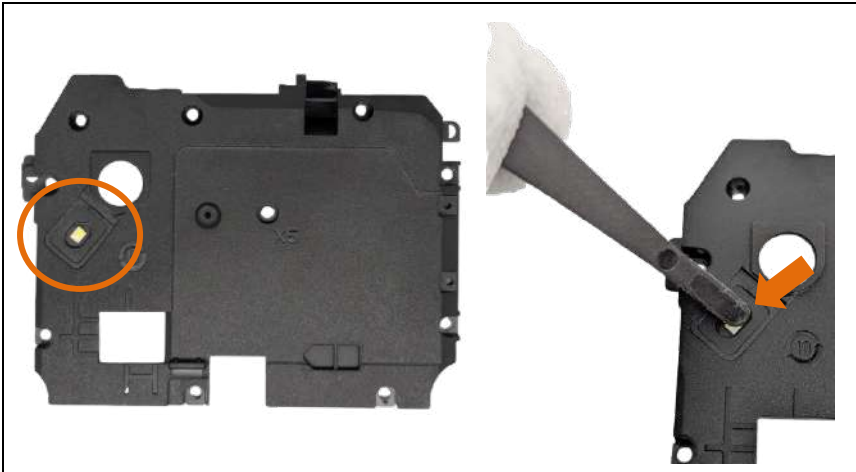
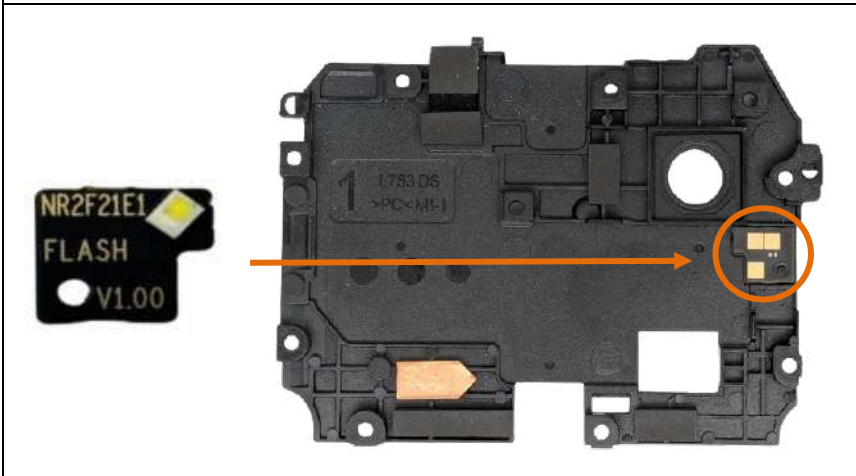
Screw

2102070552828

Flash daughterboard replacement

Required tools

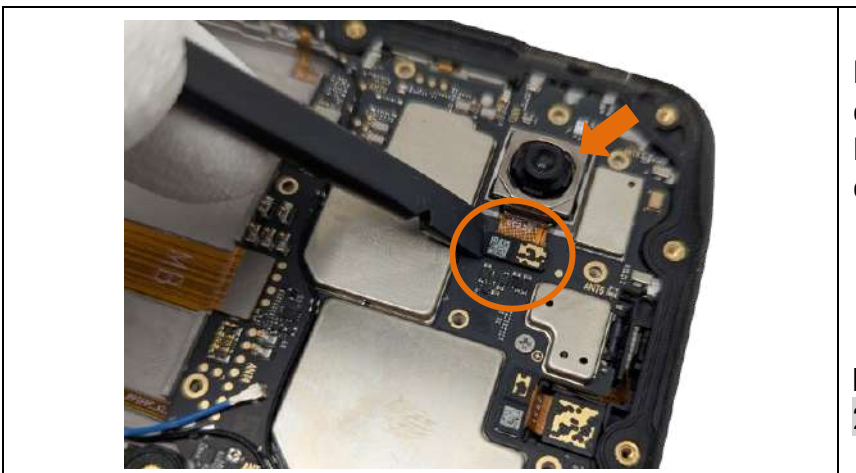
- Tweezers

	Press the area indicated by the arrow using tweezers to detach the flash daughterboard to be replaced.
	Attach the new flash daughterboard to the inner side of the support panel (upper) Flash daughterboard 2101140330917

Rear camera

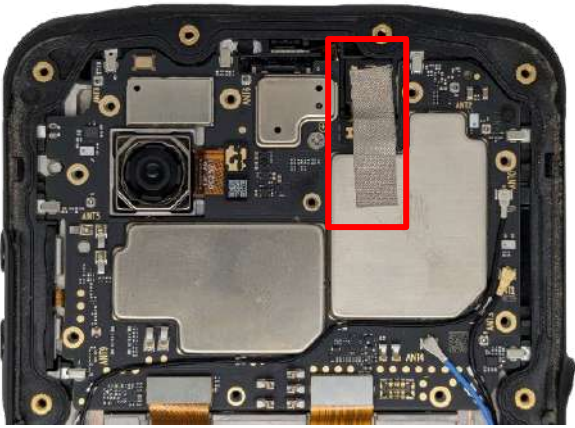
Replacement of the rear camera

Required tools	Nylon pointer
Preliminary operations	Disassembly of the rear cover Disassembly of the support panel (upper)

	Disconnect and remove the defective camera using a nylon pointer. Insert and connect the new rear camera.  <i>Do not touch the camera lens; always use new screws</i> Rear camera 2101100410293
--	--

Front camera

Replacement of the front camera

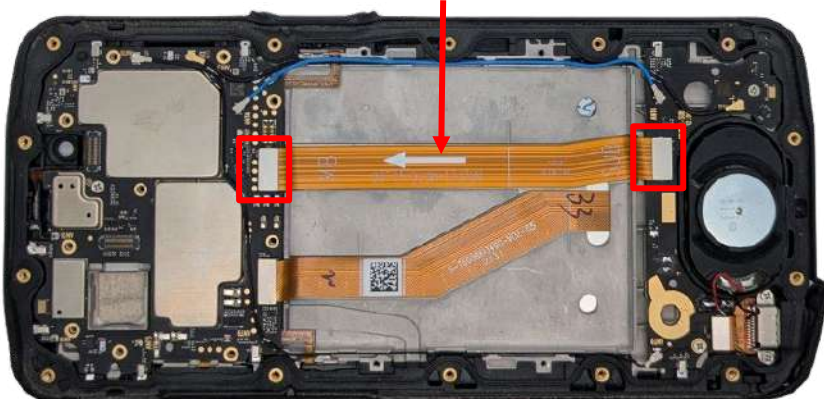
Required tools	• Tweezers • Nylon pointer
	Remove the conductive adhesive using tweezers. (Keep the adhesive for the reassembly phase).  <i>Do not touch the camera lens; always use new screws</i>
	Disconnect and remove the defective camera using a nylon pointer. Insert and connect the new front camera.  <i>Do not touch the camera lens; always use new screws</i> Front camera 2101140420948
	Reposition the conductive adhesive using tweezers. Conductive adhesive 2101140518617

Main flex

Disassembly of the main flex

Preliminary operations	
	• Disassembly of the rear cover • Disassembly of the support panel (upper) • Disassembly of the Battery

Main flex



Disconnect the connectors outlined in red using the nylon pointer.



Peel off the main flex.

Replacement of the main flex



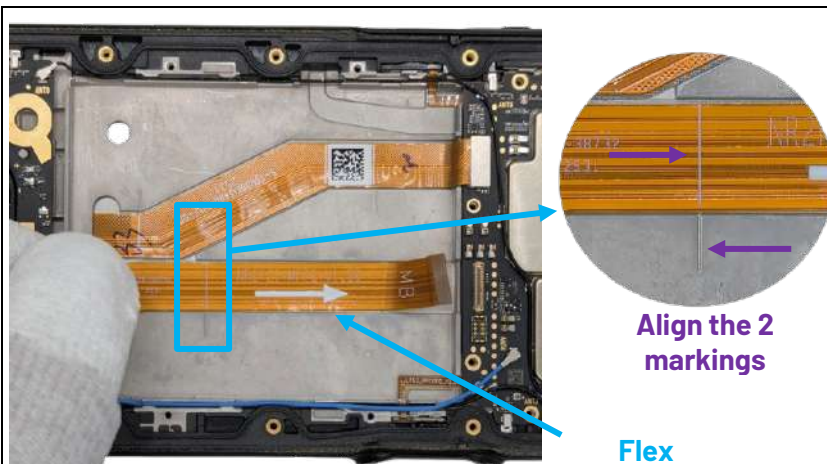
Main flex

No specific action required when replacing this part.

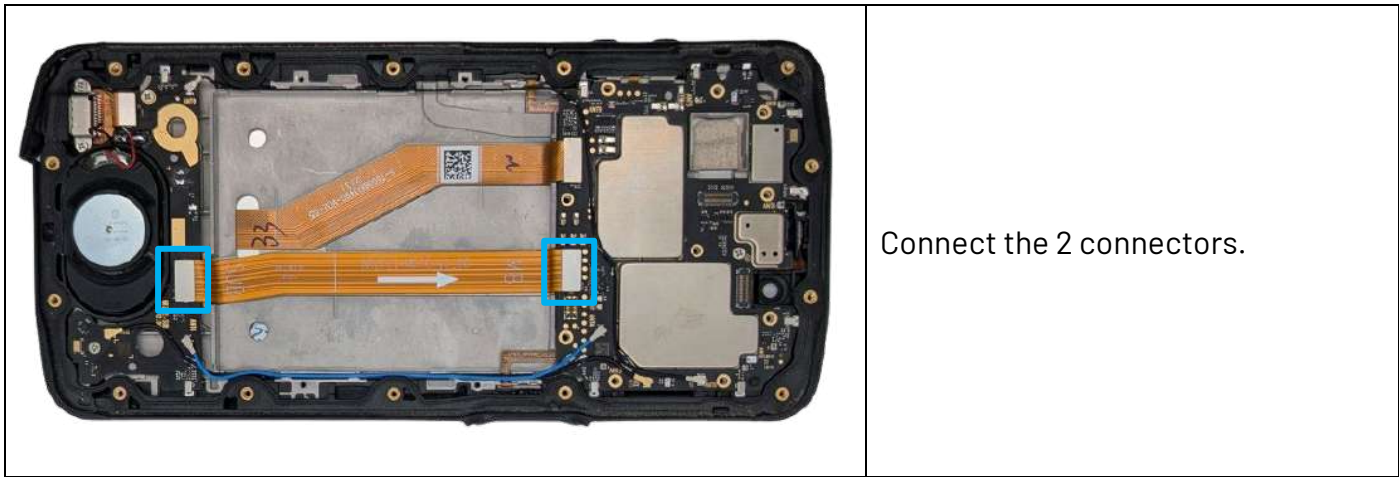
Main flex

2101140470006

Reassembly of the main flex



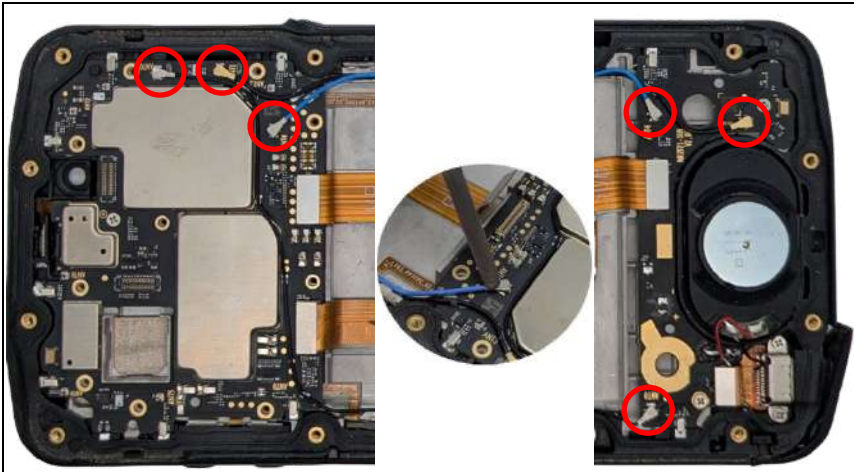
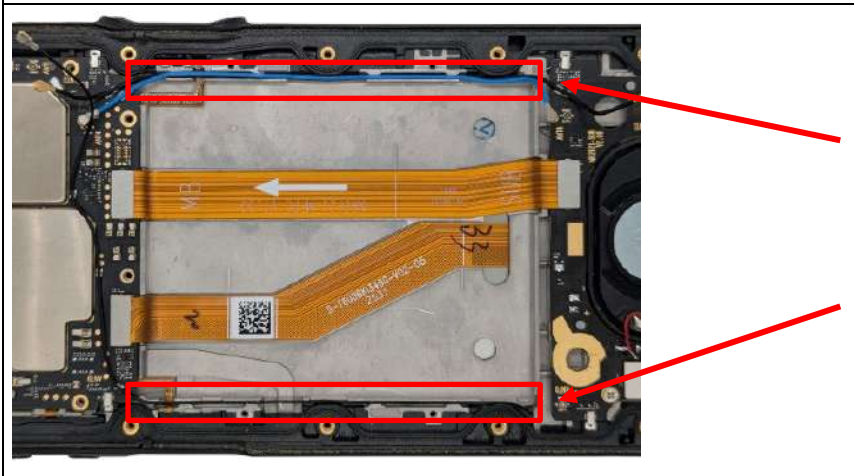
Stick the flex in the dedicated area by aligning the white mark on the flex with the chassis marking and following the direction of the white arrow on the flex.



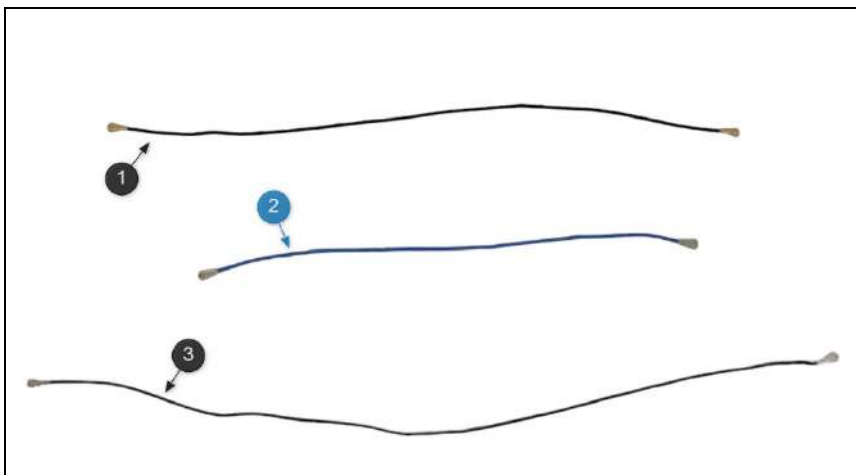
Coaxial cables

Disassembly of the coaxial cables

Required tools	• Tweezers
Preliminary operations	• Disassembly of the rear cover • Disassembly of the support panel (upper)

	Disconnect the 6 coaxial connectors on the motherboard side and the daughterboard side using tweezers.
	<u>Removal of the 3 coaxial cables :</u> First remove the blue cable from its slot, then the black cable. Remove the black cable from its slot.

Replacement of the coaxial cables

	Coaxial cable 1 (black length 125 mm) 2101140465112 Coaxial cable 2 (blue length 98.5 mm) 2104140465695 Coaxial cable 3 (black length 161 mm) 2101140467082
--	---

Reassembly of the coaxial cables

Required tools	Nylon pointer
------------------------------	---



Connect both ends of coaxial cable 1 (black length 125 mm) to the motherboard and the daughterboard (see location opposite).

Coaxial cable 1 (black length 125 mm)

2101140465112



Insert coaxial cable 1 (black length 125 mm) into its groove using the nylon pointer.



Connect both ends of coaxial cable 2 (blue length 98.5 mm) to the motherboard and the daughterboard (see location opposite).

Coaxial cable 2 (blue length 98.5 mm)

2104140465695



Then insert coaxial cable 2 (blue length 98.5 mm) into its groove, above coaxial cable 1.



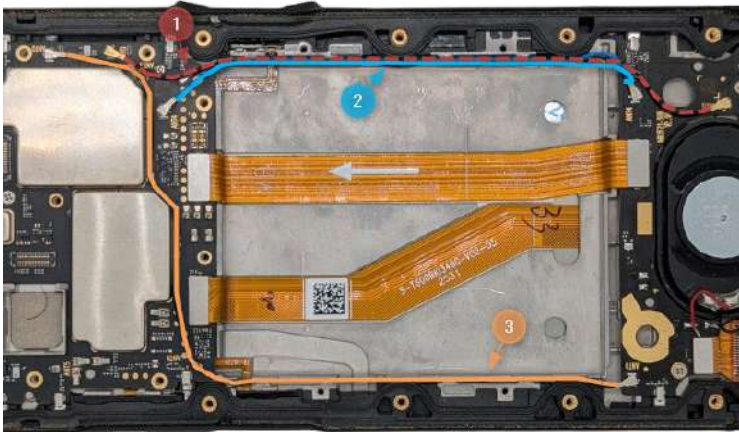
Connect both ends of coaxial cable 3 (black length 161 mm) to the motherboard and the daughterboard (see location opposite).

Coaxial cable 3 (black length 161 mm)

2101140467082



Insert coaxial cable 3 (black length 161 mm) into its groove.

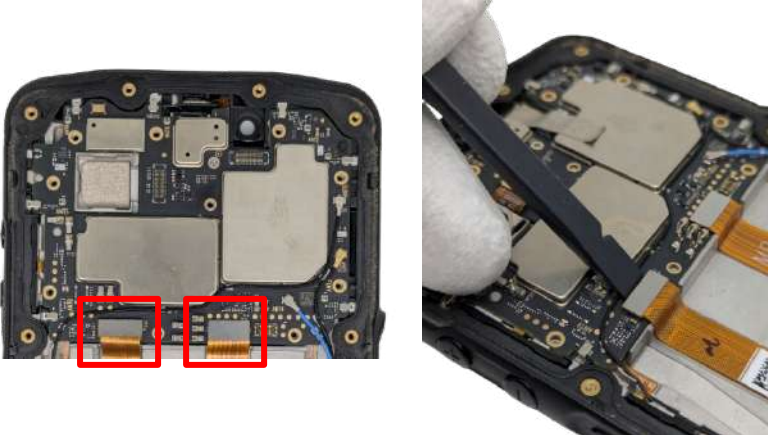
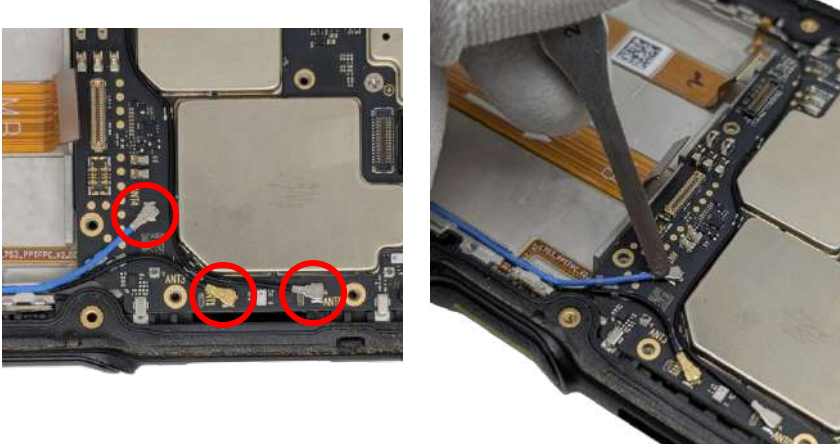


Summary of coaxial cable positioning

Motherboard

Disassembly of the motherboard

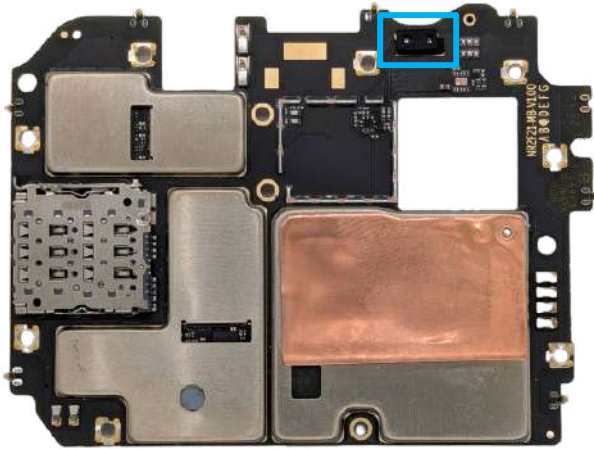
Required tools	• Tweezers • Phillips 00 screwdriver
Preliminary operations	• Disassembly of the rear cover • Disassembly of the support panel (upper)

	Using the Phillips 00 screwdriver , unscrew the M1.4x2.5 Silver screw circled in red.
	Disconnect the 2 connectors using a nylon pointer.
	Disconnect the 3 coaxial connectors using tweezers.
	Check that the SIM tray has been removed, then remove the motherboard.

Replacement of the motherboard

Required tools

- Tweezers



Retrieve the silicone cap from the light sensor on the old motherboard using tweezers, then insert it onto the new motherboard.

Silicone cap

2101140540174

Motherboard

2101140311856

Motherboard reassembly

Required tools

- Tweezers



Apply thermal paste to the area marked in blue in the photo. First clean this area with alcohol if any residue from the old thermal paste remains.



Thermal paste

2104070541406



(x1)



Insert the motherboard.

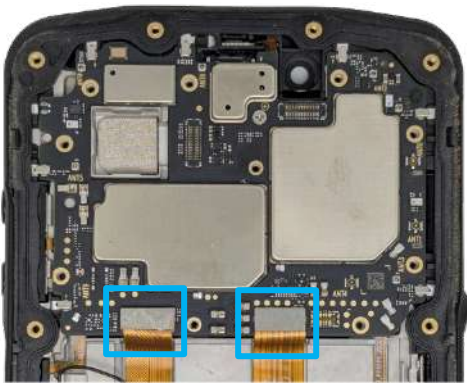
Using the torque screwdriver equipped with the Phillips 00 bit, screw in the M1.4x2.5 Silver screw circled in blue.

Screw

2102070552828

Motherboard

2101140311856



Connect the 2 connectors marked in blue.

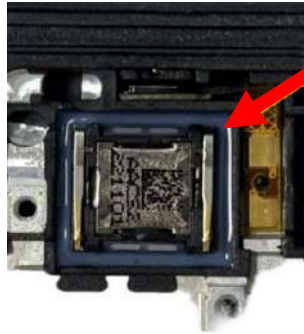
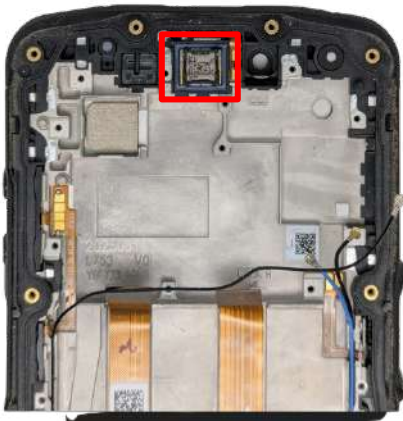


Plug in the 3 coaxial connectors. Insert them into their guides following the numbering.

Speaker

Disassembly of the speaker

Required tools	Cutter
Preliminary operations	Disassembly of the rear cover Disassembly of the support panel (upper) Disassembly of the motherboard



Cut the silicone seal around the speaker with a cutter.

Detach the speaker using tweezers.

Clean the remaining silicone seal in the speaker compartment.

Replacement of the speaker



Remove the protective film from the adhesive.

Speaker

2101090440985

Reassembly of the speaker

Required tools

- LOCTUO RTV165 silicone



**Area for applying
the silicone seal**



Place the speaker in its compartment, in the direction shown in the adjacent photo, with the contacts facing down.

Apply LOCTUO RTV165 silicone seal around the speaker (recommended product - not sold by CROSSCALL).

Speaker

Disassembly of the speaker

Required tools	• Cutter
Preliminary operations	• Disassembly of the rear cover



Remove the conductive adhesive present on the back of the speaker.



Cut the silicone seal around the speaker with a cutter.

Detach the speaker using tweezers.



Clean the remaining silicone seal in the speaker compartment.

Replacement of the speaker



Remove the protective film from the adhesive.

Speaker
2101140430587

Reassembly of the speaker

Required tools

- LOCTUO RTV165 silicone



Place the speaker in its compartment, in the direction shown in the adjacent photo.

Apply LOCTUO RTV165 silicone seal around the speaker (recommended product – not sold by CROSSCALL).



Reposition the conductive adhesive.

Vibrator

Disassembly of the vibrator

Required tools	• Soldering iron • Tweezers
Preliminary operations	• Disassembly of the rear cover



Desolder the 2 connecting wires between the vibrator and the main daughterboard using the soldering iron.

Detach the vibrator using tweezers.

Replacement of the vibrator

Required tools	
----------------	--



Remove the protective film from the adhesive.

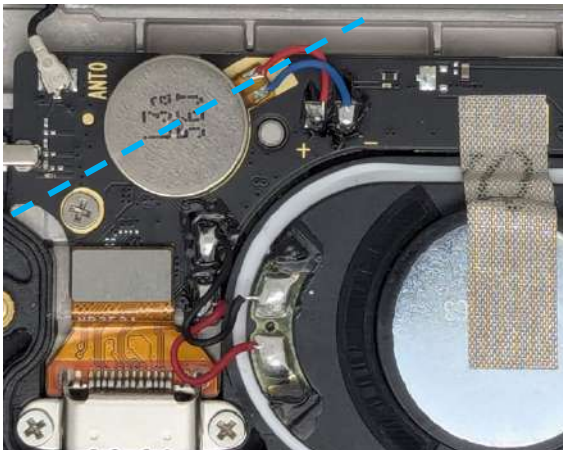
Vibrator
2101090450098

Reassembly of the vibrator

Required tools

- Soldering iron

Mounting
axis



Place the vibrator on the daughterboard, red and blue wires in the axis shown in the adjacent photo.



Red wire
(+)

Blue
wire (-)

Resolder the 2 connecting wires between the vibrator and the motherboard using the soldering iron.

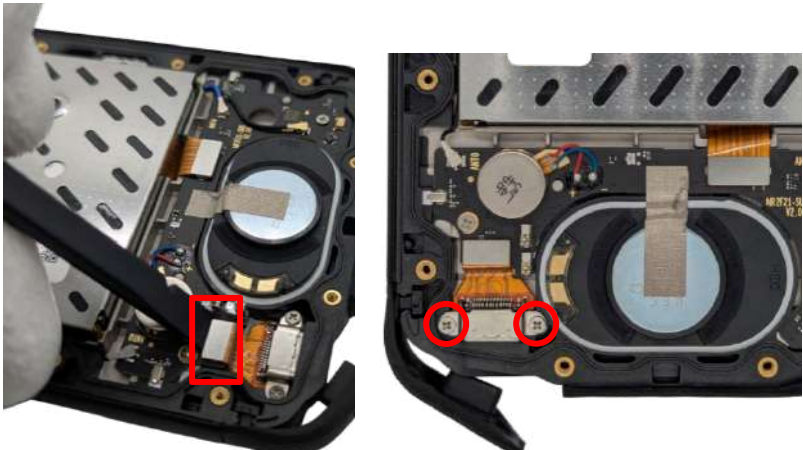


Check the wire color and position before soldering

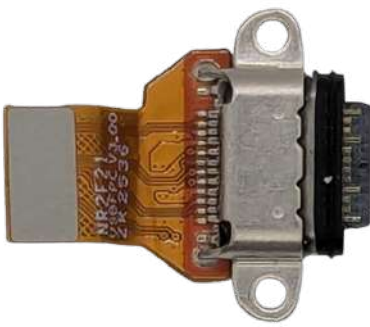
USB-C connector

Disassembly of the USB-C connector

Required tools	• Nylon pointer • Phillips 00 screwdriver • Tweezers
Preliminary operations	• Disassembly of the rear cover

	Unplug the connector outlined in red using the nylon pointer. Using the 00 Phillips screwdriver, unscrew the 2 M1.4x2.5 Silver screws circled in red. Remove the connector using tweezers.
---	---

Replacement of the USB-C connector

	No specific action required when replacing this part. USB-C connector 2101140473170 Screw 2101100552347
---	--

Reassembly of the USB-C connector

Required tools	• Phillips 00 screwdriver
	Insert the USB-C connector into the designated slot. Using the 00 Phillips screwdriver, screw in the 2 M1.4x2F Silver screws circled in blue. Plug in the connector.

Main daughterboard

Disassembly of the main daughterboard

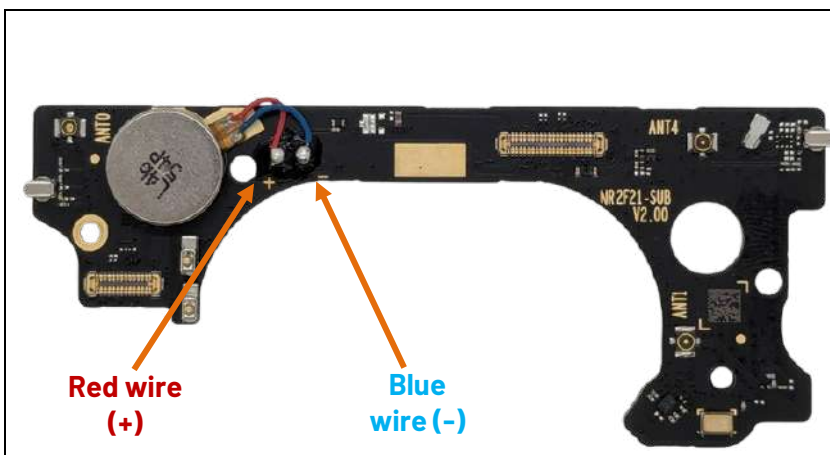
Required tools	• Nylon pointer • Phillips 00 screwdriver • Tweezers
Preliminary operations	• Disassembly of the rear cover

	Remove the conductive adhesive located on the back of the speaker (orange arrow). Unplug the connectors of the main flex and the USB-C connector (red arrow). Unplug the connectors of the 3 coaxial cables (orange circle). Using the 00 Phillips head screwdriver, unscrew the 2 M1.4x2F Silver screws circled in red.
---	--

Replacement of the main daughterboard

Required tools

- Soldering iron



On the old main daughterboard, desolder the 2 wires of the vibrator using the soldering iron.

Detach the vibrator using tweezers.

Resolder the vibrator onto the new main daughterboard.



Check the wire color and position before soldering

Reassembly of the main daughterboard

Required tools

- Phillips 00 screwdriver
- Tweezers



Using the 00 Phillips head screwdriver, screw in the 2 M1.4x2F Silver screws circled in red.

Plug in the connectors of the main flex and the USB-C connector (red arrow).

Plug in the connectors of the 3 coaxial cables (orange circle).

Reposition the conductive adhesive on the back of the speaker and on the main daughterboard (orange arrow).

Front cover (equipped)

Disassembly of the front cover

Preliminary operations	• Perform all disassembly operations
No further action is required once all previous operations have been completed.	

Replacement of the front cover

Required tools	• Tweezers
 Remove the protective films from the new part. Front cover 2101140210726	

Reassembly of the front cover

Preliminary operations	• Perform all disassembly operations
No further action is required once all previous operations have been completed.	

INFORMATION FOR RECYCLERS

Below is a list of materials with their weight in the device as well as the components in which they are found :

Material/Component	Weight in mg		CAS number
ALUMINUM	33251,7		7429-90-5
A-SHELL	24661,5	74,17%	
LCD MODULE	3501,8	10,53%	
CERIUM	0,1		7440-45-1
ELECTRONIC COMPONENTS	0,1	100,00%	
CHROMIUM	4687,5		7440-47-3
BATTERY PROTECTION	793,1	16,92%	
LCD MODULE	3055,6	65,19%	
COPPER	25692,5		7440-50-8
BATTERY	4592,2	17,87%	
ELECTRONIC COMPONENTS	7991,7	31,11%	
PCB	5154,0	20,06%	
USB CABLE	4838,9	18,83%	
DYSPROSIUM	4,1		7429-91-6
CAMERA	2,9	69,31%	
MOTOR MODULE	1,3	30,69%	
GADOLINIUM	59,4		7440-54-2
MAGNET	36,2	60,91%	
MAGNET	20,3	34,27%	
GOLD	18,8		7440-57-5
ELECTRONIC COMPONENTS	2,8	14,78%	
ICs	7,5	40,16%	
PCB	3,2	17,07%	
USB-C MODULE	2,0	10,70%	
IRON	22548,5		7439-89-6
BATTERY PROTECTION	7218,8	32,01%	
LCD MODULE	8067,4	35,78%	
MAGNESIUM	148,1		7439-95-4
A-SHELL	108,0	72,92%	
NEODYMIUM	581,0		7440-00-8
MAGNET	305,0	52,50%	
MAGNET	171,6	29,54%	
NICKEL	5483,3		7440-02-0
ELECTRONIC COMPONENTS	2031,5	37,05%	
LCD MODULE	2059,1	37,55%	
PALLADIUM	15,5		7440-05-3

Any modification or any change made to your device outside of an authorized service center will result in the cancellation of the warranty. If your device needs to be repaired, we recommend that you entrust it to the CROSSCALL after-sales service (contact information available on our [website](https://crosscall.com/sav/) <https://crosscall.com/sav/>).

ELECTRONIC COMPONENTS	15,3	98,24%	
PLATINUM	0,0		7440-06-4
ICs	0,0	100,00%	
PRASEODYMIUM	111,2		7440-10-0
MAGNET	56,7	50,98%	
MAGNET	31,9	28,68%	
MOTOR MODULE	16,9	15,19%	
RHODIUM	0,9		7440-16-6
MAGCONN MODULE	0,9	100,00%	
SILVER	310,0		7440-22-4
ELECTRONIC COMPONENTS	40,0	12,90%	
PAPER PARTS	221,0	71,29%	
TERBIUM	2,9		7440-27-9
CAMERA	2,9	100,00%	
TIN	518,0		7440-31-5
A-SHELL	104,3	20,13%	
BATTERY	90,0	17,37%	
ELECTRONIC COMPONENTS	56,5	10,91%	
ICs	130,8	25,24%	
TITANIUM	259,0		7440-32-6
A-SHELL	73,4	28,35%	
BATTERY PROTECTION	39,7	15,31%	
ELECTRONIC COMPONENTS	53,7	20,73%	
LCD MODULE	36,9	14,24%	
ZINC	2375,4		7440-66-6
A-SHELL	471,0	19,83%	
ELECTRONIC COMPONENTS	1740,7	73,28%	