

Moto g84 5G



Lenovo Moto g84 5G Level 2 – Service and Repair Manual

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REVISION HISTORY

<i>Revision</i>	<i>Date</i>	<i>Notes</i>
1	08/21/2023	Initial Release.

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SAFETY INFORMATION

Important

This manual includes technical instructions for replacing genuine parts in this product.

Read the entire manual before your repair.

Always use the latest version of this product service manual for repair.

Cautions and Warnings

Failure to follow the repair instructions or not to use genuine parts or proper tools may damage the device or compromise the device's functionality or water resistance.

The phone components may be damaged by electrostatic discharge (ESD). Always use an ESD mat and ground strap when working with internal components.

Turn off the device before repair.

Loose screws, extra screws, or small parts inside the device can cause safety issue. Set aside all parts and screws removed during repair.

INTRODUCTION

External Views

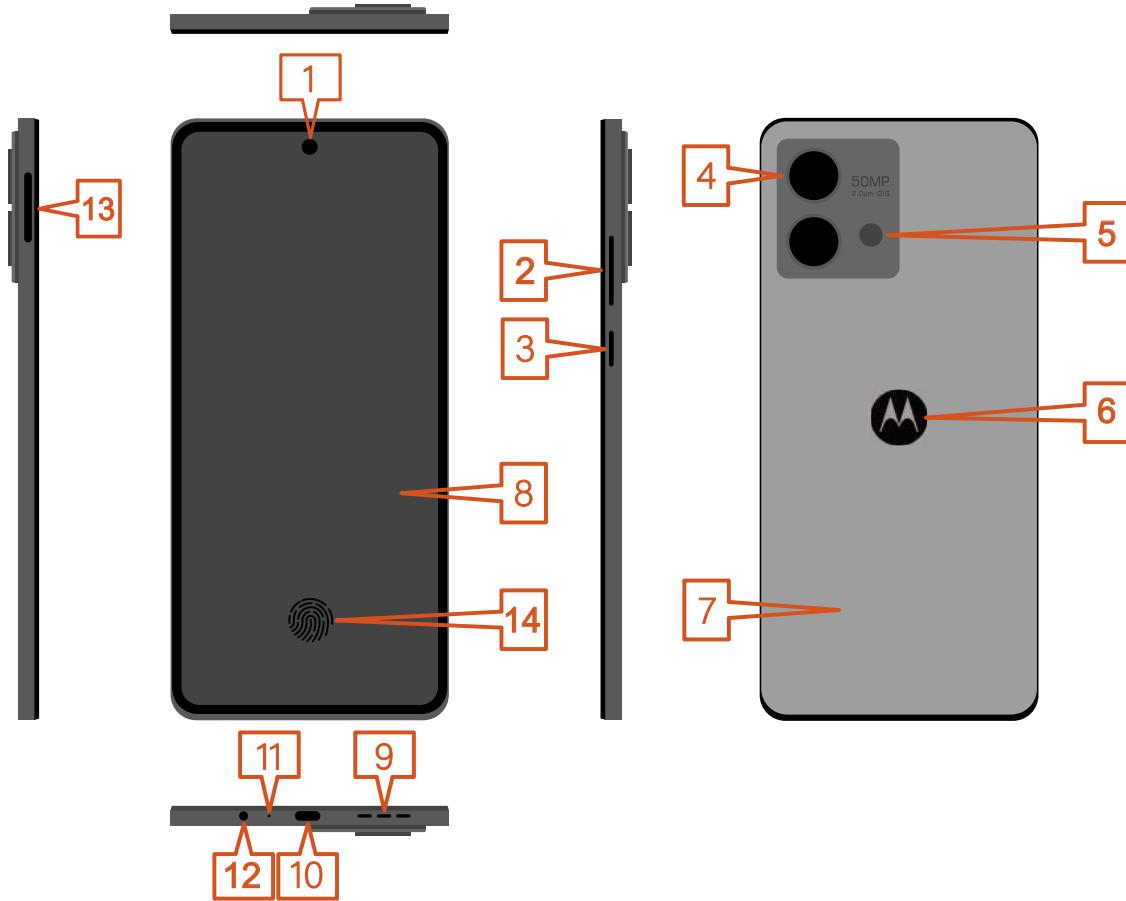


Figure 1. External Views

Table 1. External Views Parts List

<i>Reference #</i>	<i>Description</i>
1	Front-Facing Camera
2	Volume Key
3	Power Key
4	Rear-Facing Camera
5	Flashlight
6	Batwing Logo
7	Rear Inlay
8	Display Screen
9	Loudspeaker
10	USB Type C
11	MIC
12	Audio Jack
13	Sim Door
14	FOD

Main Exploded Views

Figure 2. Assembly Exploded View

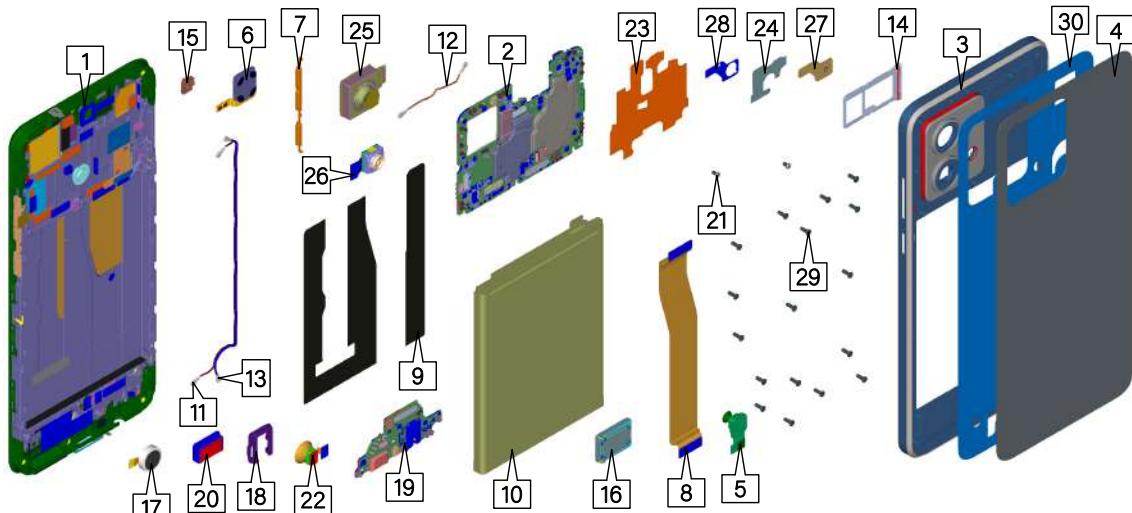


Table 2. Assembly Exploded View Parts List

<i>Reference #</i>	<i>Description</i>	<i>Recovery Part</i>
1	XT2347 TP LCM&S101-CJ8130-000 CS	Yes
2	ASSY,BD KIT,Bangkok5G 8+256 P+E BR PLT XT2347-1 MB 8+256G DS&F00CJ83-000-002 CS XT2347-1 MB 8+256G SS&F00CJ83-000-000 CS XT2347-2 MB 12+256G DS&F00CJ83-000-001CS ASSY,BD KIT,Bangkok5G 12+256 DS P+P IN	Yes

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<i>Reference #</i>	<i>Description</i>	<i>Recovery Part</i>
3	XT2347 EtchR-Cover LA BL&S101-CJ8086-200 XT2347 EtchR-CoverLA Red&S101-CJ8106-200 XT2347 EtchR-Cover LA BU&S101-CJ8026-200 XT2347 EtchR-Cover EU BL&S101-CJ8087-200 XT2347 EtchR-CoverEU Red&S101-CJ8107-200 XT2347 EtchR-Cover EU BU&S101-CJ8027-200 XT2347 EtchR-Cover UK BL&S101-CJ8088-200 XT2347 EtchR-CoverUK Red&S101-CJ8108-200 XT2347 EtchR-Cover UK BU&S101-CJ8028-200 XT2347 EtchR-Cover RS BL&S101-CJ8089-200 XT2347 EtchR-CoverRS Red&S101-CJ8109-200 XT2347 EtchR-Cover RS BU&S101-CJ8029-200 XT2347 EtchR-CoverJAE BL&S101-CJ808A-200 XT2347 EtchR-CoverUAE Red&S101-CJ810A-200 XT2347 EtchR-CoverUAE BU&S101-CJ802A-200 XT2347 EtchR-Cover TN BL&S101-CJ808B-200 XT2347 EtchR-CoverTN Red&S101-CJ810B-200 XT2347 EtchR-Cover TN BU&S101-CJ802B-200 XT2347 Rear Cover BL&S101-CJ8081-200 CS XT2347 Rear Cover Red&S101-CJ8101-200 CS XT2347 Rear Cover BU&S101-CJ8021-200 CS XT2347 EtchR-Cover BR BL&S101-CJ8085-200 XT2347 EtchR-CoverBR Red&S101-CJ8105-200 XT2347 EtchR-Cover BR BU&S101-CJ8025-200	Yes
4	XT2347 BattCover BL&S101-CJ8083-300 CS XT2347 BattCover Red&S101-CJ8103-300 CS XT2347 BattCover BU&S101-CJ8023-300 CS XT2347 BattCover BL IN&S101-CJ8084-300 XT2347 BattCover Red IN&S101-CJ8104-300 XT2347 BattCover BU IN&S101-CJ8024-300	Yes
5	MDL,CAMR,16M,front;L16AFE0;O-FILM:,FF:rh	Yes
6	TNN502-CDN000-010+Receiver_HS	Yes
7	TNN802-CJ8000-010+VOL_KEY_FPC_KHX	No
8	TNN800-CJ8000-010+MAIN_FPC_KHX	Yes
9	TNM715-CJ8000-000+Battery Adhesive_KY	No
10	ACCY,BAT,5000mAh,QB50,LW496584,SUNWODA	Yes
11	TNEI06-818024-001+RF cabel_DL	Yes
12	TNEI06-CJ8000-000+RF cabel_DL	Yes
13	TNEI06-818017-000+RF cabel_DL	Yes
14	TNEI30-CJ8081-000+SIM tray_SS_space_HXD TNEI30-CJ8101-000+SIM tray_SS_magenta_HXD TNEI30-CJ8021-000+SIM tray_SS_blue_HXD TNEI30-CJ8080-000+SIM tray_DS_space_HXD TNEI30-CJ8100-000+SIM tray_DS_magenta_HX TNEI30-CJ8020-000+SIM tray_DS_blue_HXD	Yes

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<i>Reference #</i>	<i>Description</i>	<i>Recovery Part</i>
15	TNM716-CJ8000-002+Light Guid silicone	Yes
16	TNN501-CJ8000-010+Speaker_HS	Yes
17	TNN901-CDC000-000+Conductive cloth_2.6V	Yes
18	TNM716-CJ8000-000+Ear silicone sleeve_EH	Yes
19	ASSY,DTR BRD,Bangkok5G BR IN SUB PCBA XT2347 Sub Board&S102-CJ8000-000 CS	Yes
20	TNM716-CJ8000-001+Type-C silicone sleeve	Yes
21	TNM501-211105-023+Screw_3.5L_black_LJT	No
22	FINGERPRT SCANNER,Qtech,FOD EL721	Yes
23	TNM719-CJ8000-000+B shield copper foil_KY	No
24	TNM721-CJ8000-000+C&R Graphite sheet_DY	No
25	MDL,CAMR,50M,rear,C3PS12;Q Tech,OIS:Bang	Yes
26	MDL,CAMR,8M,rear,C18A01;Q Tech:,AF:Berli	Yes
27	ASSY,DTR BRD,Bangkok5G BR IN FLB PLT XT2347 Flash Board&S102-CJ8001-100 CS	Yes
28	XT2347 FlashBD Adhesive&M715-CJ8000-007	No
29	TNM501-211114-016+Screw_LJT	No
30	XT2347 BattCoverAdhesive&M715-CJ8000-010	No
-	TNM716-CJ8000-005+50M sealed silicone_EH	Yes
-	TNM501-211103-011+round head screw	No
-	TNP316-CH1000-000+waterproof Label	No
-	TNP316-CBR000-000+label double layer_LHL	No
-	TNM701-CJ8000-001+Battery mylar_KY	No
-	TNM721-CJ8000-001+RH Graphite sheet_DY	No
-	XT2347 RearCAM Copper&M719-CJ8000-002	No
-	TNM701-CJ8000-002+Main PCB mylar_KY	No
-	TNM719-CJ8000-001+T shield copper foil_KY	No
-	TNM709-CJ8000-003+shield seal Foam_KY	No
-	TNM715-CJ8000-014+RF cable Adhesive_KY	No
-	XT2347 FOD Adhesive&M715-CJ8000-001	No
-	XT2347 Main FPC Adhesive&M715-CJ8000-015	No
-	XT2347 Receiver Adhesive&M715-CJ8000-002	No
-	XT2347 RecFPC Adhesive&M715-CJ8000-016	No
-	XT2347 Motor Adhesive&M715-CJ8000-017	No
-	TNM709-CJ8000-000+SPK seal Foam_KY	No
-	TNM709-CJ8000-002+BAT buffer foam_KY	No

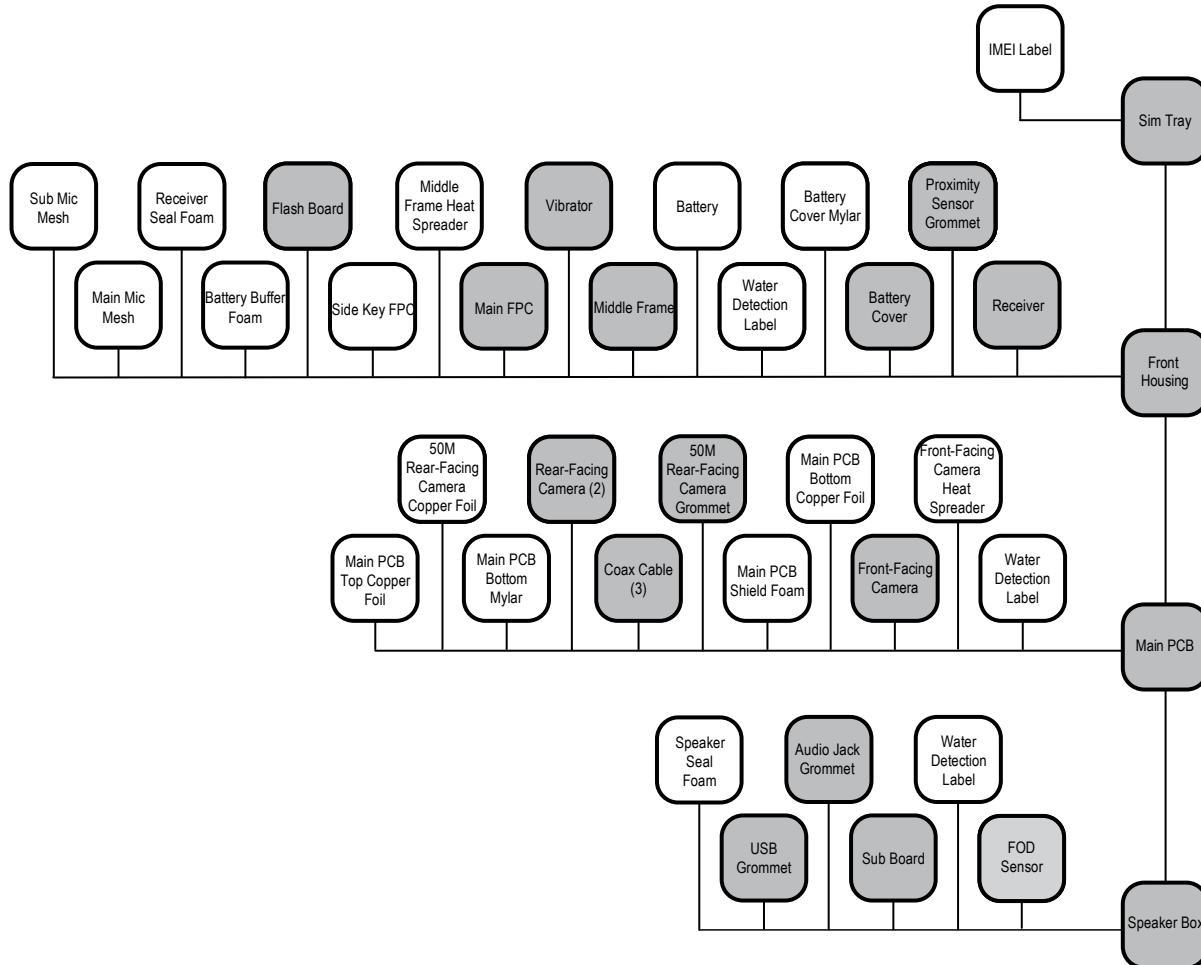
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<i>Reference #</i>	<i>Description</i>	<i>Recovery Part</i>
-	TNM709-CJ8000-001+Receiver seal Foam_KY	No
-	TNM711-CJ8000-000+Main MIC dust net_KY	No
-	TNM711-CJ8000-001+MIC dust net_KY	No
-	TNM711-CJ8000-002+SPK seal Foam net_KY	No

DISASSEMBLY AND RECOVERY

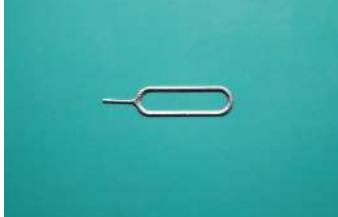
Disassembly and Recovery Map

*Shaded parts may be eligible for parts recovery.



Tools Required for Disassembly

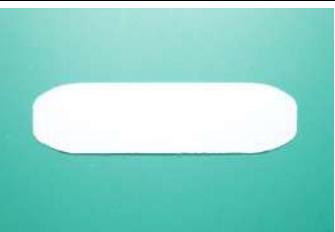
The following tools are required to disassemble the Moto g84 5G phone.

Description	Part #	Picture/Drawing
3 mm Allen Wrench	--	
Anti-static foam pad Pad thickness: ≥5mm Pad Material: silicone rubber, as reference Silicone Clean Matt (RG-400)	--	
Regen-i Removal Fixture https://www.regeni.com/	RG271	
Hot Plate	--	
SIM/SD Tray Removal Tool	--	
Black Stick	--	

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<i>Description</i>	<i>Part #</i>	<i>Picture/Drawing</i>
Torque Driver	--	
Shim	4-00-5L-10000	
PH00 Bit	--	
BtB	--	
MINI Desktop LCD Freezing Separator	TBK-578	
Sealed Bag	--	
Plastic Tweezers	--	

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<i>Description</i>	<i>Part #</i>	<i>Picture/Drawing</i>
Oven	RG-202F	
Thin Plastic Spudger	0-00-00-40826	
PU Inlay Disassembly Tool	30007085	
ESD Mat	--	--
Wrist Strap	--	--
Gloves	--	--

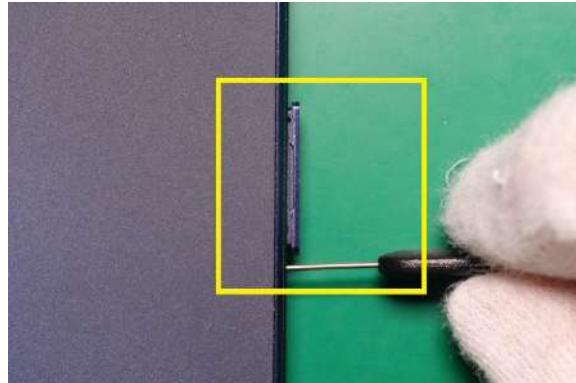
SIM Tray Removal

NOTE

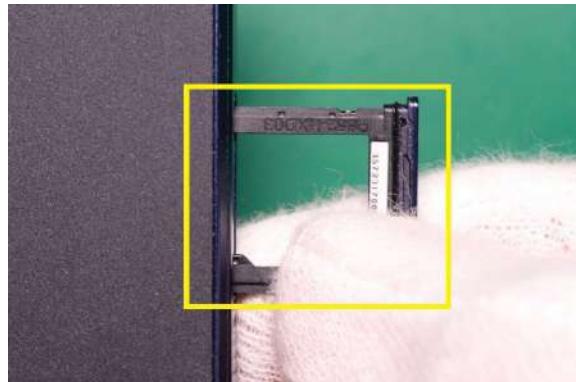
The SIM Tray can be recovered and reused after removal.



1. Power off the device before beginning with the procedure. Use the SIM Tray Removal pin to push into the SIM Tray hole.
2. Press the SIM Tray removal tool to make it pop-out as shown.



3. Use fingers to take out the SIM Tray.

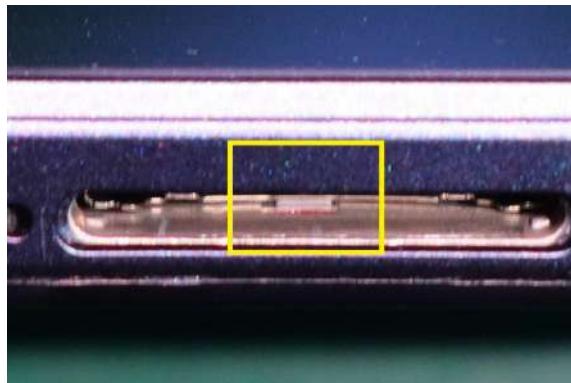


Water Detection Label Inspection

NOTE

If the Water Detection Label (WDL) has been activated, the phone's warranty no longer applies.

Inspect the WDL inside the SIM Tray Slot for signs of activation. Use external light if needed.



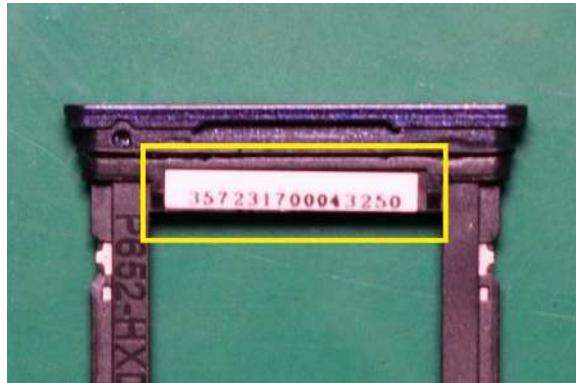
IMEI Label Removal

NOTE

Remove the IMEI Label only if necessary.
After you remove it, you cannot reuse it.



Use the Plastic Tweezer to remove the IMEI Label from the SIM Tray.



Battery Cover Removal

Preheating for Battery Cover Removal

NOTE

The Battery Cover can be recovered
and reused after removal.



NOTE

Battery Cover Removal Methods A and B have
the same preheating steps, as shown below.

// CAUTION //

Do not set the Oven temperature higher than
80°C (176°F). Damage to the phone may occur.

1. Place the phone in the Oven, with the Battery Cover side down.



2. Wait 10 minutes for the Battery Cover Adhesive to warm up.

3. Remove the phone from the oven.

// CAUTION //

Wear protective gloves when handling heated phones.

NOTE

Perform the Battery Cover removal procedure before the phone starts to cool off.

PMMA Battery Cover Removal Method A

NOTE

The Battery Cover can be recovered
and reused after removal if it is
undamaged.



1. Use the Suction Cup Tool to create a gap between the Battery Cover and the Front-Housing.



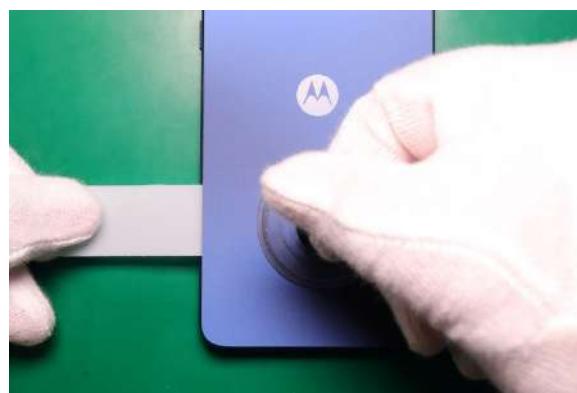
2. Use the Thin Plastic Spudger to disengage the Battery Cover from all the sides of the phone. Start at the point as shown.

//CAUTION//

Do not insert the Thin Plastic Spudger more than 10 mm to prevent damaging internal components.



3. Use the Thin Plastic Spudger to disengage the Battery Cover from all the sides of the phone.



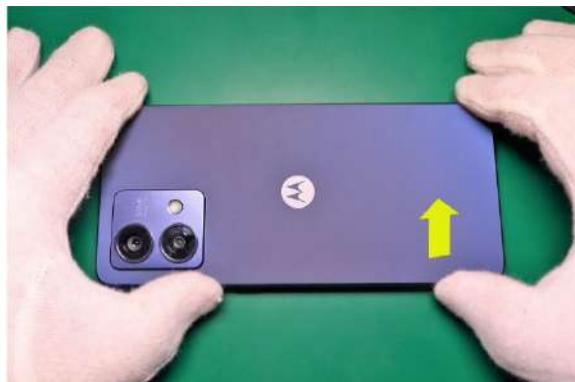
4. Move the Thin Plastic Spudger in the direction as shown.



5. Pull the Battery Cover up toward bottom and upper side.

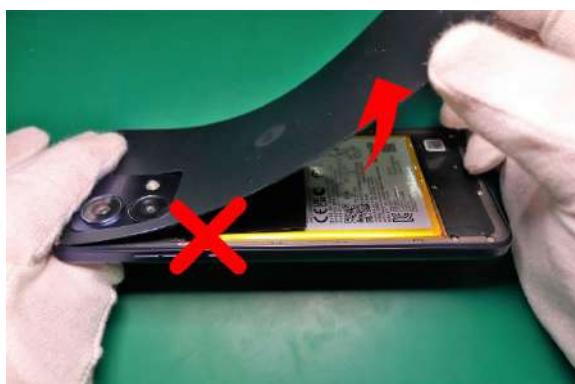
NOTE

Do not bend the Battery Cover over 25 degrees.



NOTE

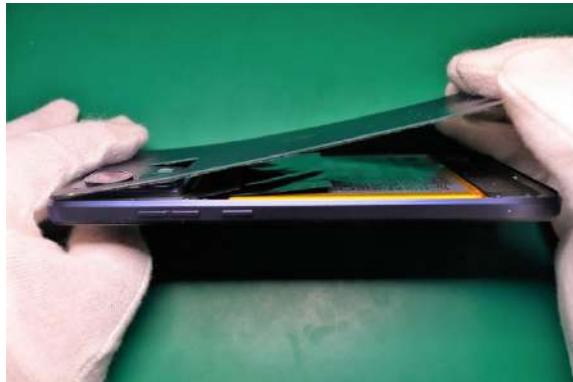
Make sure not to rotate the Battery Cover too much, it will cause Battery Cover crack.



NOTE

Make sure to pry Battery Cover up slowly and keep Battery Cover be flat when separate Battery Cover with Front-Housing.

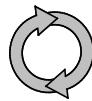
6. Split the Battery Cover from the phone.



PMMA Battery Cover Removal Method B

NOTE

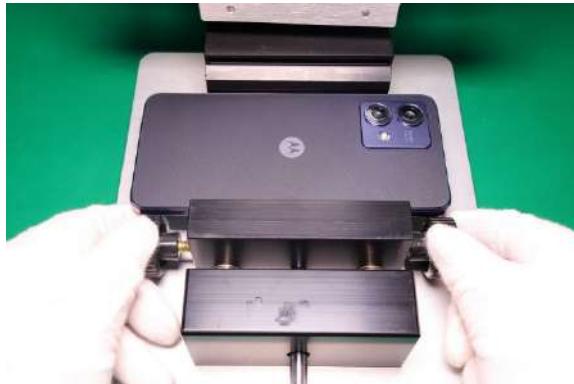
The Battery Cover can be recovered
and reused after removal if it is
undamaged.



1. Pull the handle outwards and place the phone over the fixture according to the Display orientation facing down.



2. Use fingers to activate the Side Threads on both sides to hold the phone in position.



3. Rotate the Main Thread to the initial position (where the top holder is fully horizontal).



4. Use both hands to press the Top Holder of the fixture for 5 seconds.



5. Use fingers to place the Suction Cup Lock upright so that it is attached to the Battery cover of the device.

NOTE

Use the Suction Cup to attach to the bottom of the phone to prevent it from pressing the Camera Lens.



NOTE

Please use one Suction Cup when disassemble Battery Cover and Front-Housing and make sure to attach the suction cup on the edges of the phone.

6. Rotate the Main Thread clockwise to disengage the Battery Cover from the Front-Housing.

NOTE

Do not rotate the Main Thread to the end position to avoid damaging the Battery Cover.



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7. Use the Thin Plastic Spudger to cut the Battery Cover Adhesive from one side of the Regen-i Removal Fixture.



8. Use the Thin Plastic Spudger to cut the Battery Cover Adhesive from the other side of the Regen-i Removal Fixture.



9. Use fingers to place the Suction Cup locks back in horizontal direction to release the Suction Cup.



10. Use fingers to lift the Top Holder of the fixture and release the Side Threads on both sides.



11. Pull the handle outwards and take out the phone.



12. Move the Thin Plastic Spudger clockwise to cut the Battery Cover Adhesive along the edges of the phone.

//CAUTION//

Do not insert the Thin Plastic Spudger more than 10 mm to prevent damaging internal components.



13. Pull the Battery Cover up toward bottom and upper side.

NOTE

Do not bend the Battery Cover over 25 degrees.



NOTE

Make sure not to rotate the Battery Cover too much, it will cause Battery Cover crack.



NOTE

Make sure to pry Battery Cover up slowly and keep Battery Cover be flat when separate Battery Cover with Front-Housing.



14. Split the Battery Cover from the phone.



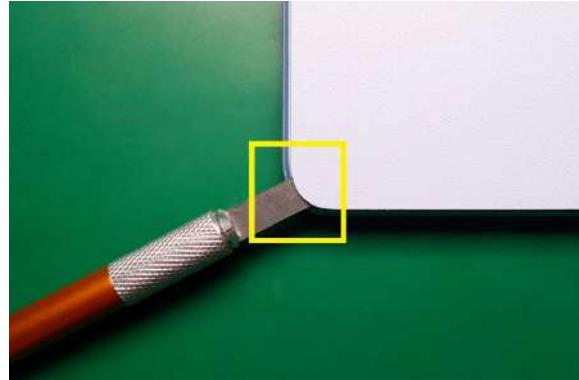
PU Battery Cover Removal

NOTE

The PU Battery Cover can be recovered and reused after removal if it is undamaged.



1. Use the PU Inlay Disassembly Tool to create a gap between the PU Battery Cover and the Front Housing.



2. Use the Thin Plastic Spudger to disengage the PU Battery Cover from all the sides of the phone. Start at the point as shown.

//CAUTION//

Do not insert the Thin Plastic Spudger more than 10 mm to prevent damaging internal components.



3. Use the Thin Plastic Spudger to disengage the PU Battery Cover from all the sides of the phone.



4. Move the Thin Plastic Spudger in the direction as shown.



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5. Split the PU Battery Cover from the phone.



Battery Cover Mylar Removal

NOTE

After you remove the Battery Cover Mylar, you cannot reuse it.



Use the Plastic Tweezer to remove the Battery Cover Mylar from the location as shown.



Middle Frame Removal

NOTE

The Middle Frame can be recovered
and reused after removal.



1. Use the Torque Driver with PH00 Bit to remove the 17 screws as shown.

Screw Reuse Policy	
North America	No
Latin America & Caribbean	Yes
East Europe	Yes
West Europe	Yes
Middle East & Africa	Yes
Southern & Pacific Asia	Yes
Oceania & Japan	No



2. Use the Shim to create a gap between the Front-Housing and Middle Frame from the Side Key position as shown.



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3. Use the Shim in the direction as shown.



4. Split the Middle Frame from the phone.



Middle Frame Heat Spreader Removal

NOTE

After you remove the Middle Frame Heat Spreader, you cannot reuse it.



Use the Plastic Tweezer to remove the Middle Frame Heat Spreader from the location as shown.



Flash Board Removal

NOTE

The Flash Board can be recovered
and reused after removal.



Use the pointed end of the Black Stick to remove the Flash Board from the location as shown.

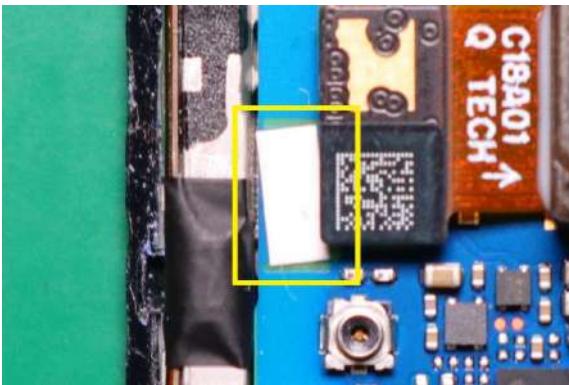


Water Detection Label Inspection

NOTE

If the Water Detection Label (WDL) has been activated, the phone's warranty no longer applies.

Inspect the WDL on the Main PCB for signs of activation.



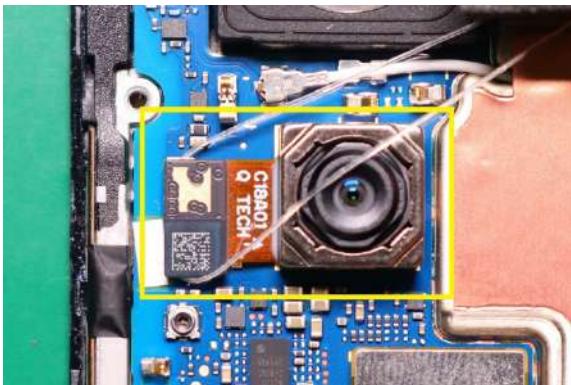
8M Rear-Facing Camera Removal

NOTE

The 8M Rear-Facing Camera can be recovered and reused after removal.



Use the BtB tool to disengage and remove the 8M Rear-Facing Camera from the location as shown.



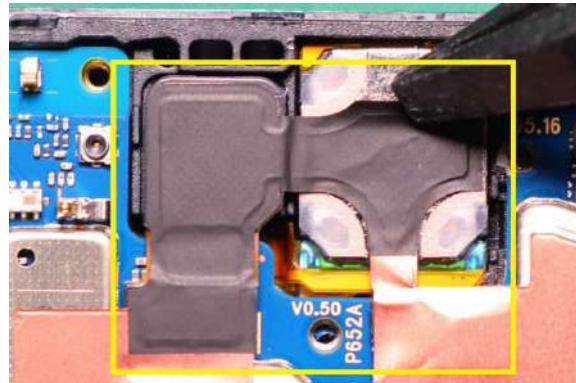
Front-Facing Camera Heat Spreader Removal

NOTE

After you remove the Front-Facing Camera Heat Spreader, you cannot reuse it.



Use the Plastic Tweezer to remove the Front-Facing Camera Heat Spreader from the location as shown.



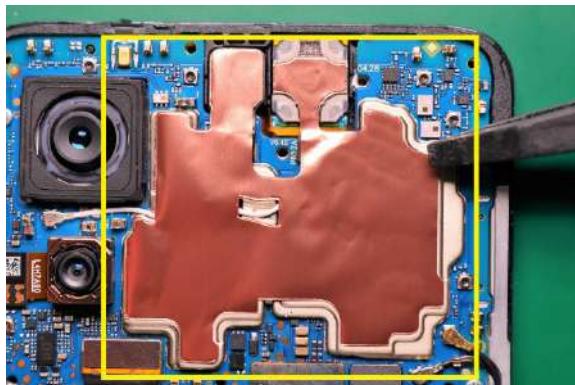
Main PCB Bottom Copper Foil Removal

NOTE

After you remove the Main PCB Bottom Copper Foil, you cannot reuse it.



Use the Plastic Tweezer to remove the Main PCB Bottom Copper Foil from the location as shown.



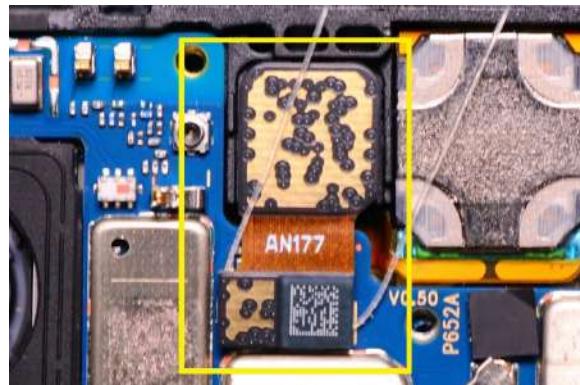
Front-Facing Camera Removal

NOTE

The Front-Facing Camera can be recovered and reused after removal.



Use the BiB tool to disengage and remove Front-Facing Camera from the location as shown.



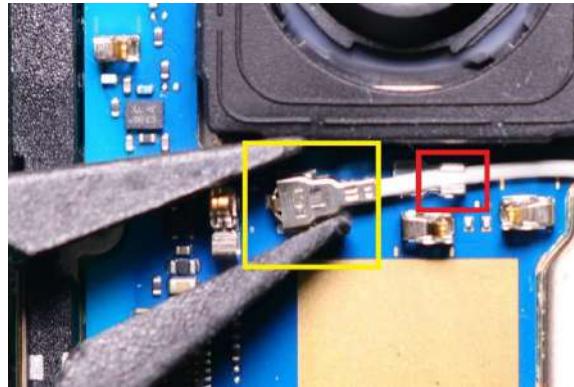
White Coax Cable Removal

NOTE

The White Coax Cable can be recovered and reused after removal.



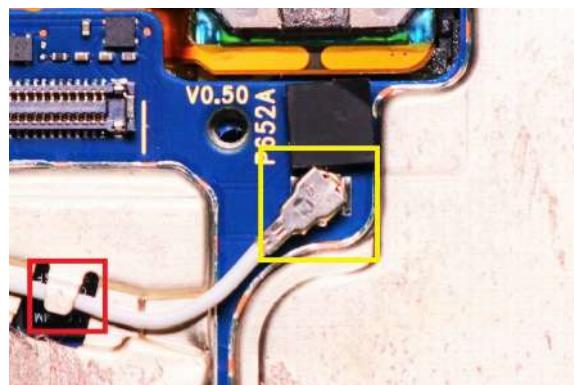
1. Use the Plastic Tweezer to disconnect the White Coax Cable from the location as shown.



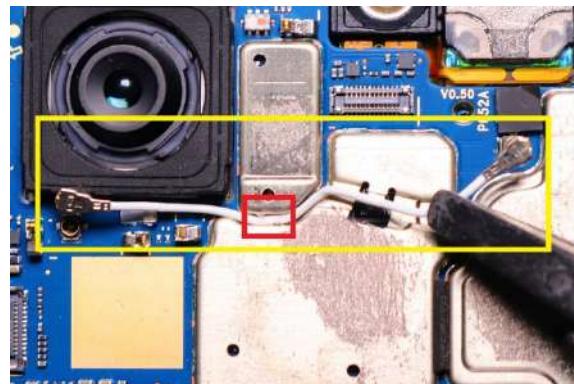
2. Use the Plastic Tweezer to disconnect and remove the White Coax Cable from the location as shown.

NOTE

Coax Cable cannot be reused in North America refurbish operation.



3. Use the Plastic Tweezer to remove the White Coax Cable from the location as shown.



Main PCB Removal

NOTE

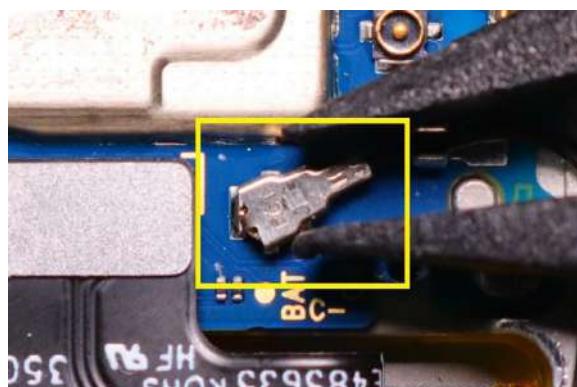
The Main PCB can be recovered and reused after removal.



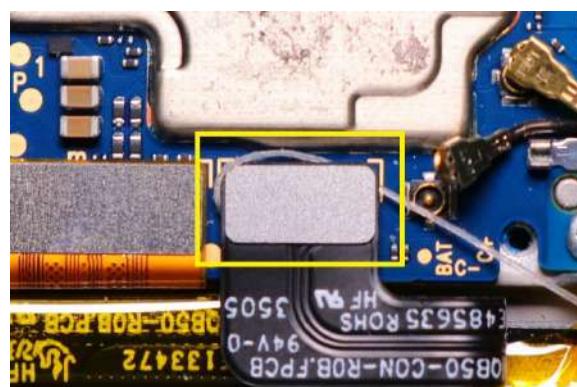
1. Use the Plastic Tweezer to disconnect the Black Coax Cable from the location as shown.



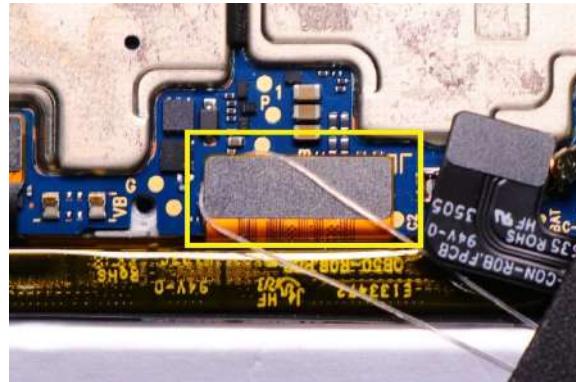
2. Use the Plastic Tweezer to disconnect the Black Coax Cable from the location as shown.



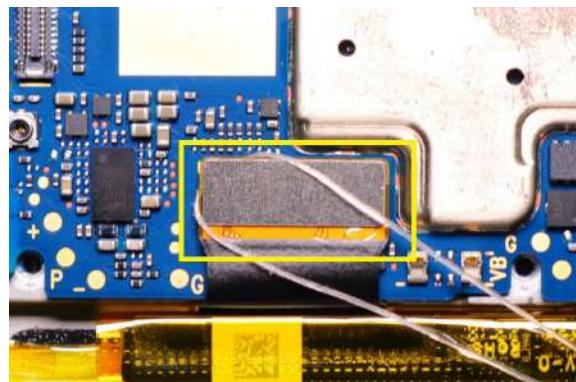
3. Use the BtB tool to disengage the Battery Flex BtB Connector from the Main PCB as shown.



4. Use the BtB tool to disengage the Main FPC BtB Connector from the Main PCB as shown.



5. Use the BtB tool to disengage the Display Flex BtB Connector from the Main PCB as shown.



6. Use the Torque Driver with PH00 Bit to remove the two screws as shown.

Screw Reuse Policy	
North America	No
Latin America & Caribbean	Yes
East Europe	Yes
West Europe	Yes
Middle East & Africa	Yes
Southern & Pacific Asia	Yes
Oceania & Japan	No



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7. Use the pointed end of the Black Stick to lift the Main PCB from the location as shown.



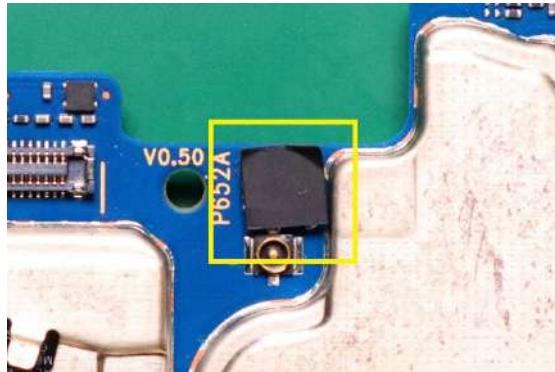
Main PCB Bottom Mylar Removal

NOTE

After you remove the Main PCB Bottom Mylar, you cannot reuse it.



Use the Plastic Tweezer to remove the Main PCB Bottom Mylar from the location as shown.



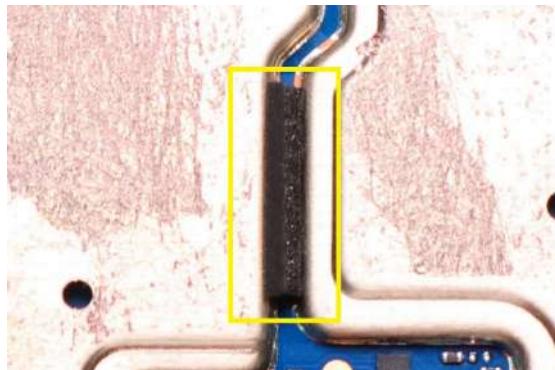
Main PCB Shield Foam Removal

NOTE

After you remove the Main PCB Shield Foam, you cannot reuse it.



Use the Plastic Tweezer to remove the Main PCB Shield Foam from the location as shown.



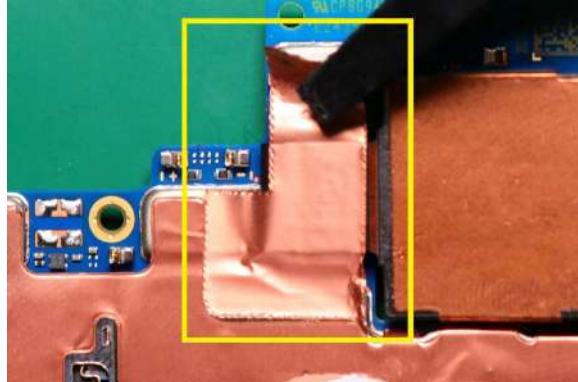
50M Rear-Facing Camera Copper Foil Removal

NOTE

After you remove the 50M Rear-Facing Camera Copper Foil, you cannot reuse it.



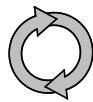
Use the Plastic Tweezer to remove the 50M Rear-Facing Camera Copper Foil on the location as shown.



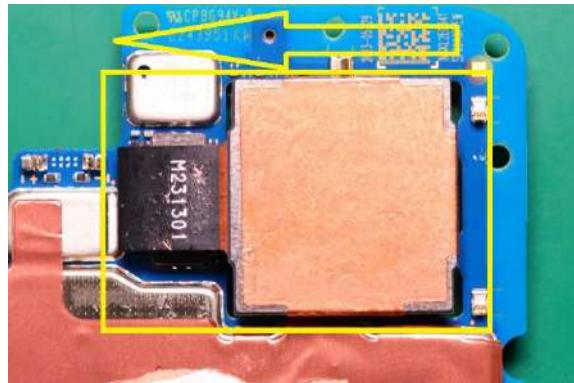
50M Rear-Facing Camera Removal

NOTE

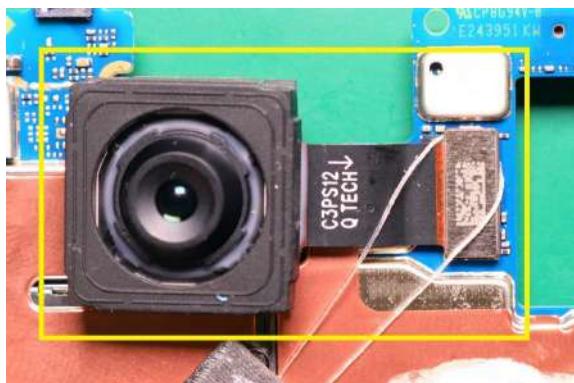
The 50M Rear-Facing Camera can be recovered and reused after removal.



1. Use fingers to turn the 50M Rear-Facing Camera over in the direction as shown.



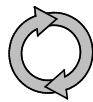
2. Use the BtB tool to disengage and remove the 50M Rear-Facing Camera from the location as shown.



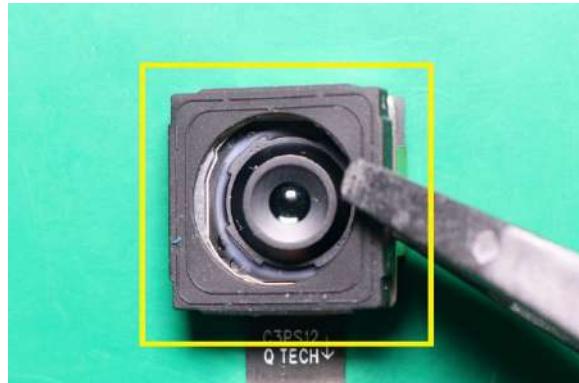
50M Rear-Facing Camera Grommet Removal

NOTE

The 50M Rear-Facing Camera Grommet can be recovered and reused after removal.



Use the Plastic Tweezer to remove the 50M Rear-Facing Camera Grommet on the location as shown.



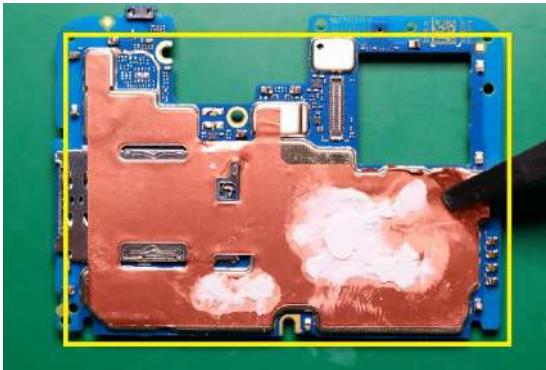
Main PCB Top Copper Foil Removal

NOTE

After you remove the Main PCB Top Copper Foil, you cannot reuse it.



Use the Plastic Tweezer to remove the Main PCB Top Copper Foil from the location as shown.

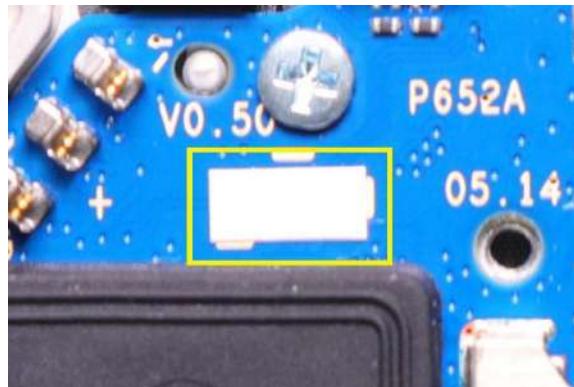


Water Detection Label Inspection

NOTE

If the Water Detection Label (WDL) has been activated, the phone's warranty no longer applies.

Inspect the WDL on the Sub Board for signs of activation.



FOD Sensor Removal

NOTE

The FOD Sensor can be recovered
and reused after removal.



1. Use the BtB tool to disengage and remove the FOD Sensor Flex from the location as shown.



2. Use the pointed end of the Black Stick to remove the FOD Sensor from the location as shown.

NOTE

There is back adhesive for FOD Sensor, make
sure to remove it slowly to avoid damage.



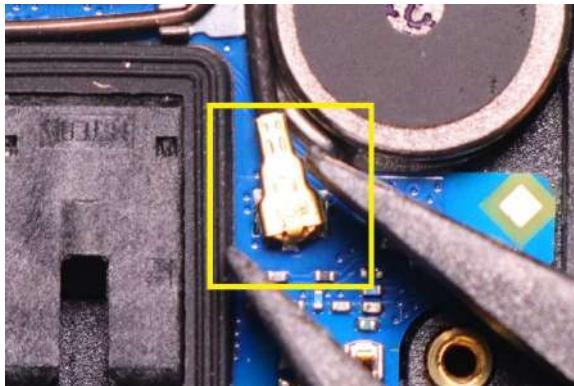
Sub Board Removal

NOTE

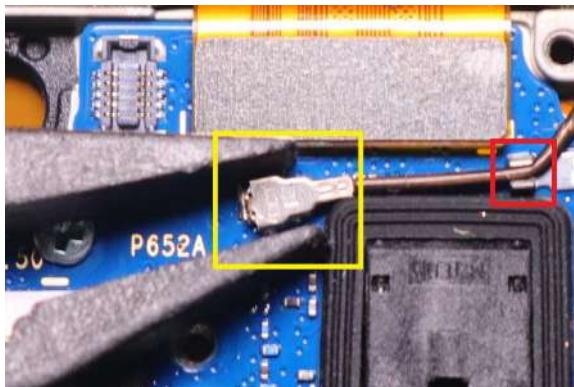
The Sub Board can be recovered and reused after removal.



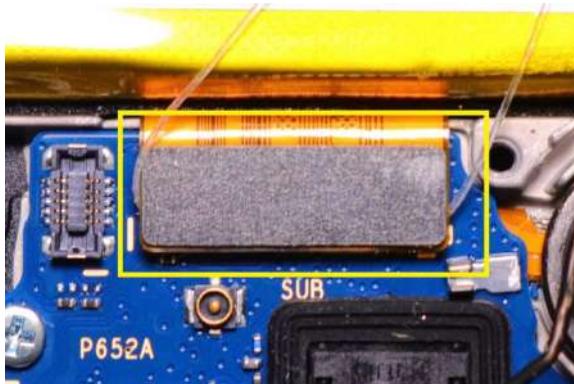
1. Use the Plastic Tweezer to remove the Black Coax Cable from the location as shown.



2. Use the Plastic Tweezer to remove the Black Coax Cable from the location as shown.

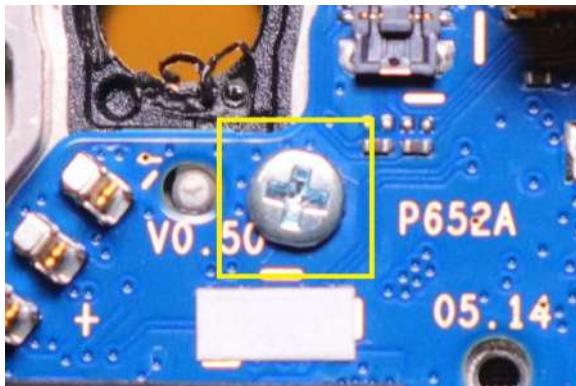


3. Use the BtB tool to disengage the Main FPC from the location as shown.

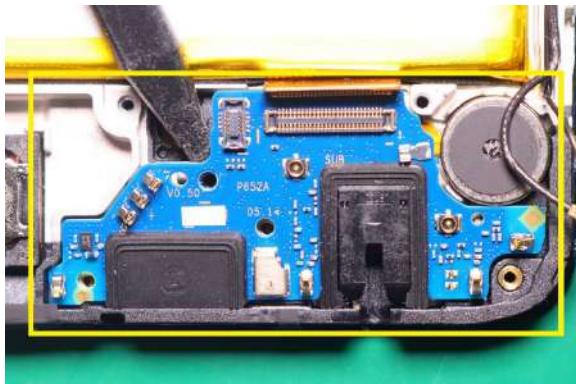


4. Use the Torque Driver with PH00 Bit to remove the screw as shown.

Screw Reuse Policy	
North America	No
Lation America & Caribbean	Yes
East Europe	Yes
West Europe	Yes
Middle East & Africa	Yes
Southern & Pacific Asia	Yes
Oceania & Japan	No



5. Use the pointed end of the Black Stick to lift and remove the Sub Board from the location as shown.



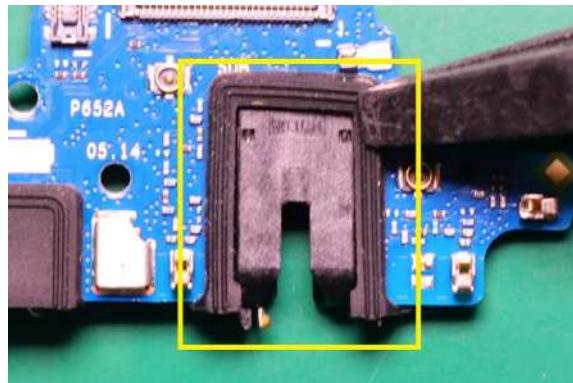
Audio Jack Grommet Removal

NOTE

The Audio Jack Grommet can be recovered and reused after removal.



Use the Plastic Tweezer to remove the Audio Jack Grommet from the location as shown.



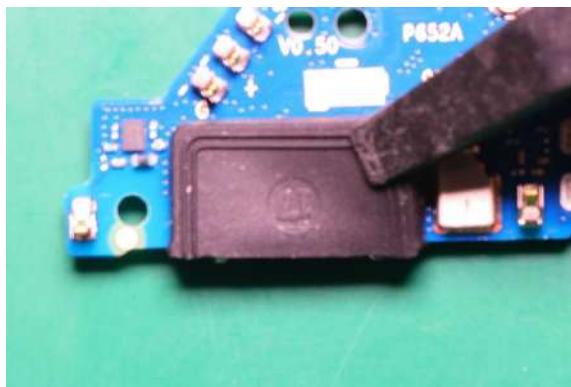
USB Grommet Removal

NOTE

The USB Grommet can be recovered
and reused after removal.



Use the Plastic Tweezer to remove the USB Grommet
from the location as shown.



Black Coax Cable 1 Removal

NOTE

The Black Coax Cable can be recovered and reused after removal.



Use the Plastic Tweezer to remove the Black Coax Cable 1 from the location as shown.

NOTE

Coax cable cannot be reused in North America refurbish operation.



Black Coax Cable 2 Removal

NOTE

The Black Coax Cable can be recovered and reused after removal.



Use the Plastic Tweezer to remove the Black Coax Cable 2 from the location as shown.

NOTE

Coax cable cannot be reused in North America refurbish operation.



Battery Removal

Battery Removal Method A

/// WARNING ///

Failure to adhere to Safety Critical Note(s) may increase risk of rupture, burning, or failure to function safely when used by the customer. Refer to the Battery Safety Guidelines.

NOTE

Remove the Battery only if it is defective or damaged. After you remove it, you cannot reuse it.



// CAUTION //

Handle the Battery Pack with care. If dropped on the floor, it may be internally damaged and must be scrapped.

Ensure Battery and its insulation are not damaged (e.g. scratched, dented, punctured) prior to and through assembly.

Prior to assembly, ensure Battery edges and surfaces are not dented or deformed, and that fixtures and parts that will contact the Battery are free of foreign material.

Ensure screws and screwdrivers do not contact the Battery.

1. Set the temperature of the Hot Plate to 80°C (176°F).

// CAUTION //

Do not set the Hot Plate temperature higher than 80°C (176°F). Damage to the phone may occur.

NOTE

Preheating with an oven is also acceptable if the oven is set to the same temperature.

2. Place the phone on the Hot Plate, with the Display side down.



3. Wait 10 minutes for the adhesive to warm up.

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4. Use the Thin Plastic Spudger to cut the adhesives from the top of the Battery.



5. Use the Thin Plastic Spudger to cut the adhesives from the side of the Battery.



6. Use the Thin Plastic Spudger to cut the adhesives from the bottom of the Battery.



7. Use fingers to carefully lift the Battery.



Battery Removal Method B

/// WARNING ///

Failure to adhere to Safety Critical Note(s) may increase risk of rupture, burning, or failure to function safely when used by the customer. Refer to the Battery Safety Guidelines.

NOTE

Ensure the display assembly is fully dried before reuse to avoid any potential liquid damage after assembled.

NOTE

Drying the display assembly in an oven with 60°C for 2-3 mins is needed prior to using.

// CAUTION //

Handle the Battery Pack with care. If dropped on the floor, it may be internally damaged and must be scrapped.

Ensure Battery and its insulation are not damaged (e.g. scratched, dented, punctured) prior to and through assembly.

Prior to assembly, ensure Battery edges and surfaces are not dented or deformed, and that fixtures and parts that will contact the Battery are free of foreign material.

Ensure screws and screwdrivers do not contact the Battery.

1. The power supply line is more than 2.5 meters away.
2. Allow enough space for heat dissipation, more than 1 meter is recommended.



3. Avoid more than 2 hours idle time and turn off overnight.



4. Turn on the Freezing Separator.

NOTE

The switch is on the back.



5. Select the Language menu and set the desired language.



6. Select the settings menu, set the temperature and Freezing times.

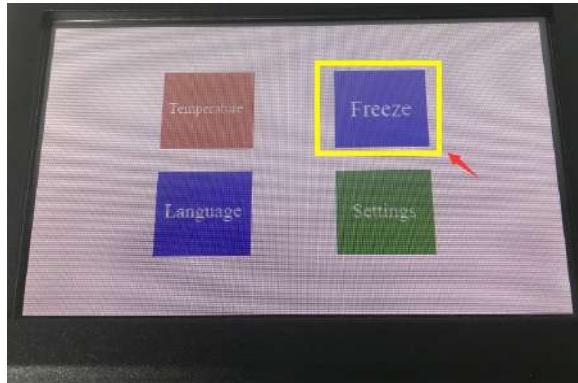
Set the temperature to -40°C: Click the temperature menu, enter 40 on the screen number. Then press the arrow in the upper right corner to return.



7. Set the Freezing time to 300 seconds (5 Minutes): Click the time menu, enter 300 on the screen number. Then press the arrow in the upper right corner to return to the main menu.



8. Click Freeze menu, then click the start menu.



9. Verify the temperature reaches the setting value. When the temperature reaches -40 degrees, the compressor will stop, then open the door.



10. Put display into sealing bag and seal then put 1~2 Display into cold plate and close the door.

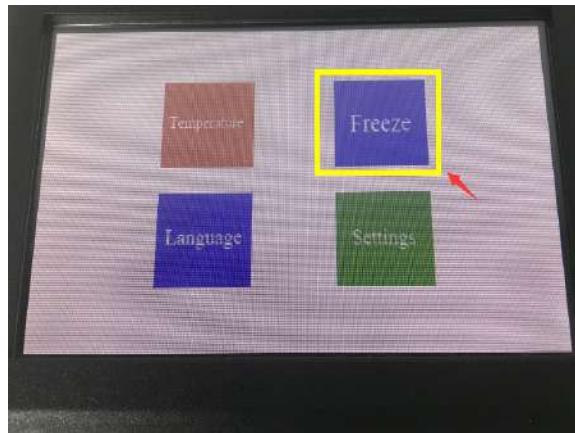
NOTE

Please wear cotton gloves during placement to avoid contact with frozen surface and injury to hands.

Phone or display need face down.



11. Click Freeze menu.



12. Click the start menu.



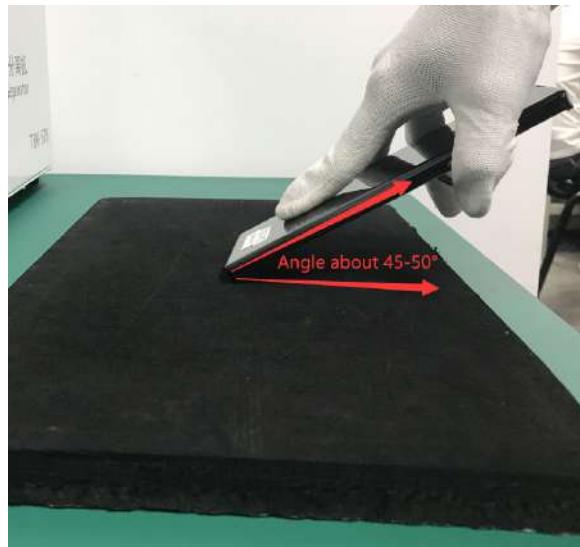
13. After clicking the Start menu, Start the countdown, and freeze it for 5 minutes. When the countdown time reaches, the device will alarm and ring three times.
14. Open the door. Take out one Display at the time with wearing cotton gloves. Take out the Display in the order it was put in.

NOTE

Please wear cotton gloves during taking to avoid contact with frozen surface and injury to hands.

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15. Remove the Battery:
16. Take out the frozen assembly from the bags.
17. Holding the Display place the Battery face down with the ESD sponge pad at an angle of about 45-50 degrees, and hit on the pad 3-4 times, the Battery will fall off automatically.
18. After the Battery removed. Immediately put the Batteries and Display into two different sealed bag and sealed into bags for temperature return.



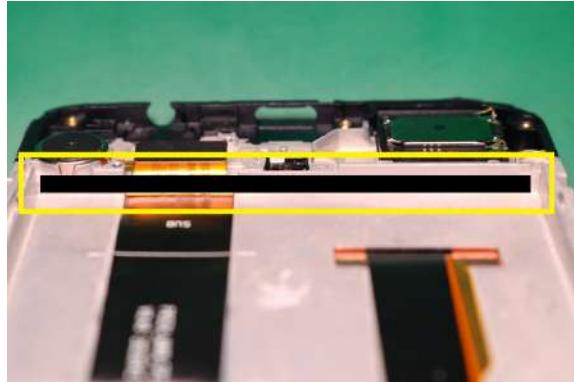
Battery Buffer Foam Removal

NOTE

After you remove the Battery Buffer Foam, you cannot reuse it.



Use the Plastic Tweezer to remove the Battery Buffer Foam from the location as shown.



Main FPC Removal

NOTE

The Main FPC can be recovered
and reused after removal.



Use fingers to peel off the Main FPC from the
location as shown.



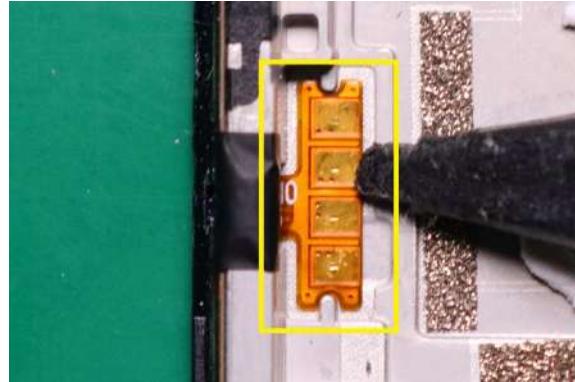
Side Key FPC Removal

NOTE

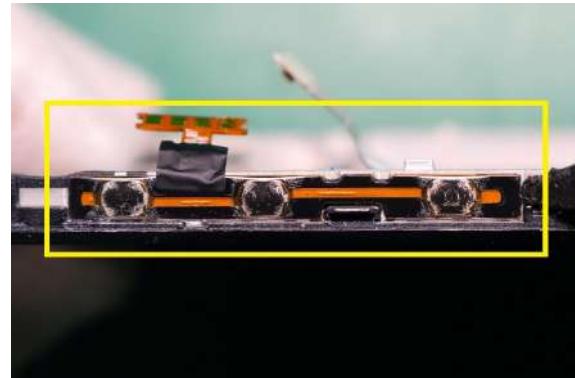
After you remove the Side Key FPC,
you cannot reuse it.



1. Use the Plastic Tweezer to remove the Side Key FPC flex from the location as shown.



2. Use the Plastic Tweezer to remove the Side Key FPC from the location as shown.



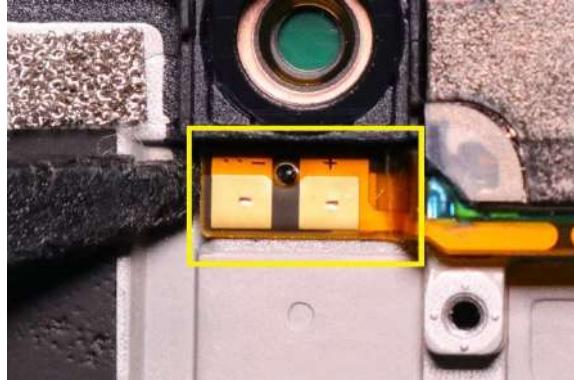
Receiver Removal

NOTE

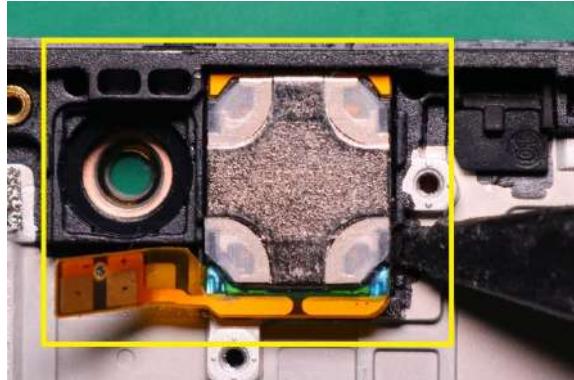
The Receiver can be recovered
and reused after removal.



1. Use the pointed end of the Black Stick to disengage and remove the Receiver flex from the location as shown.



2. Use the pointed end of the Black Stick to disengage and remove the Receiver from the location as shown.



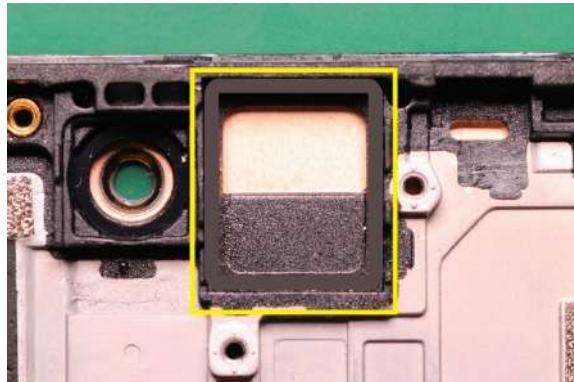
Receiver Seal Foam Removal

NOTE

After you remove the Receiver Seal Foam, you cannot reuse it.



Use the Plastic Tweezer to remove the Receiver Seal Foam from the location as shown.



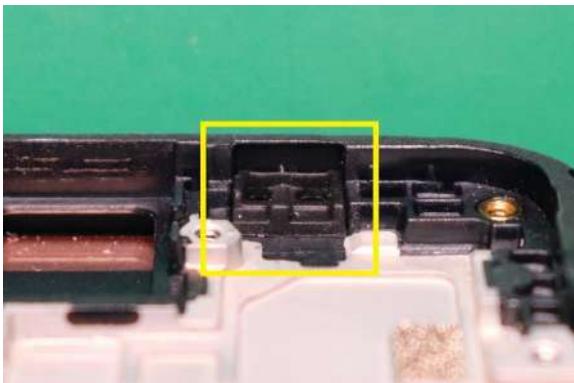
Proximity Sensor Grommet Removal

NOTE

The Proximity Sensor Grommet can
be recovered and reused after
removal.



Use the Plastic Tweezer to remove the Proximity
Sensor Grommet from the location as shown.



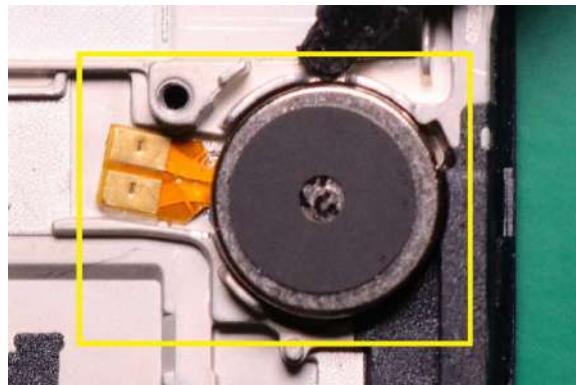
Vibrator Removal

NOTE

The Vibrator can be recovered and reused after removal.



Use the pointed end of the Black Stick to disengage and remove the Vibrator from the location as shown.



Speaker Box Removal

NOTE

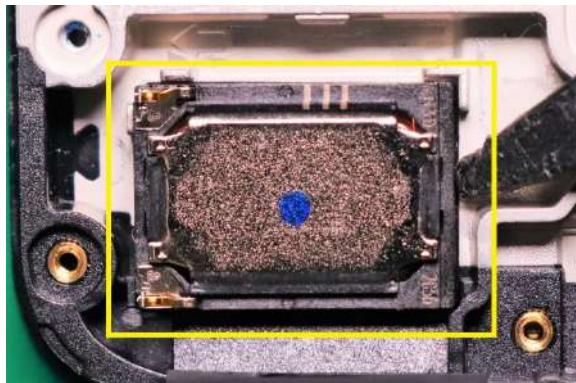
The Speaker Box can be recovered
and reused after removal.



Use the pointed end of the Black Stick to lift and
remove the Speaker Box from the location as
shown.

NOTE

There is adhesive under the Speaker Box.
Remove the Speaker Box carefully to avoid
damage.



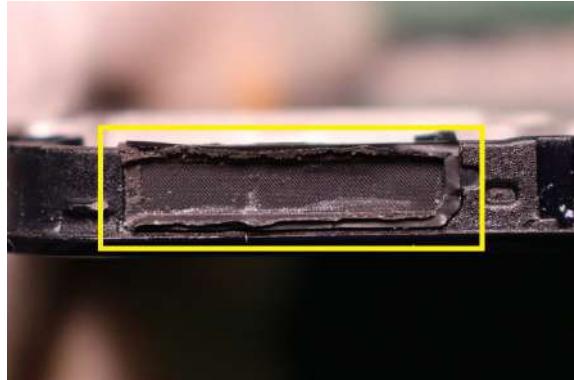
Speaker Seal Foam Removal

NOTE

After you remove the Speaker Seal Foam, you cannot reuse it.



Use the Plastic Tweezer to remove the Speaker Seal Foam from the location as shown.



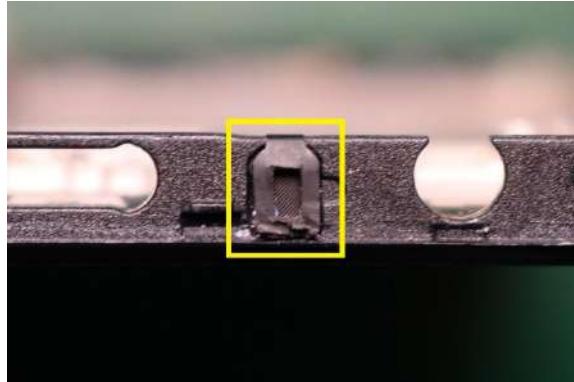
Main Mic Mesh Removal

NOTE

After you remove the Main Mic Mesh,
you cannot reuse it.



Use the Plastic Tweezer to remove the Main Mic Mesh from the location as shown.



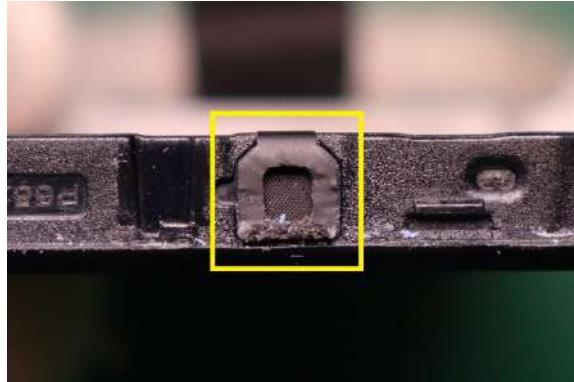
Sub Mic Mesh Removal

NOTE

After you remove the Sub Mic Mesh,
you cannot reuse it.



Use the Plastic Tweezer to remove the Sub Mic Mesh from the location as shown.



PARTS REFRESH

Tools Required for Parts Refresh

The following tools are required for parts refresh of the Moto g84 5G phone.

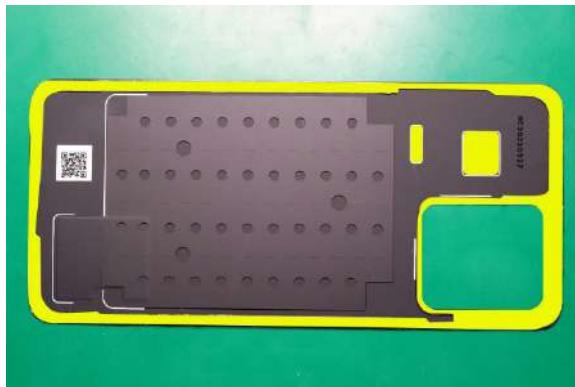
Description	Part #	Image
Plastic Tweezers	--	--
Black Stick	--	
ESD Mat	--	--
Wrist Strap	--	--
Isopropyl (ISP) Alcohol	--	--
Cotton Swabs	--	--
Cleaning Pads	--	--
Gloves or Finger Collets	--	--

Battery Cover Cleaning

Use the ISP Alcohol and Cotton Swabs to remove all the adhesives on the Battery Cover as shown.

/// CAUTION ///

Remove the adhesive carefully to avoid damage to the Battery Cover.



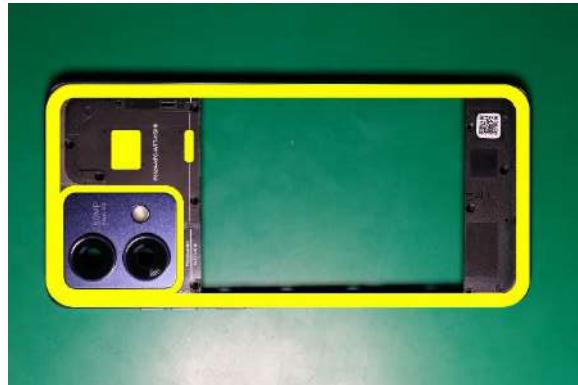
Front-Housing Cleaning

Use the Cotton Swabs with ISP Alcohol to remove all the adhesives from the location as shown.



Middle Frame Cleaning

Use the Cotton Swabs with ISP Alcohol to remove all the adhesives from the location as shown.



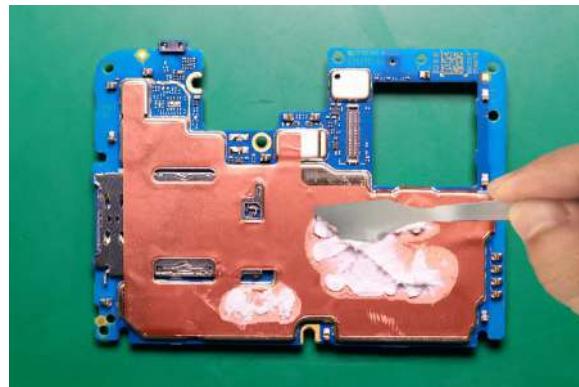
Front-Housing Cleaning

Use Plastic Scraper to remove the most part of Thermal putty from the Front-Housing.



Main PCB Cleaning

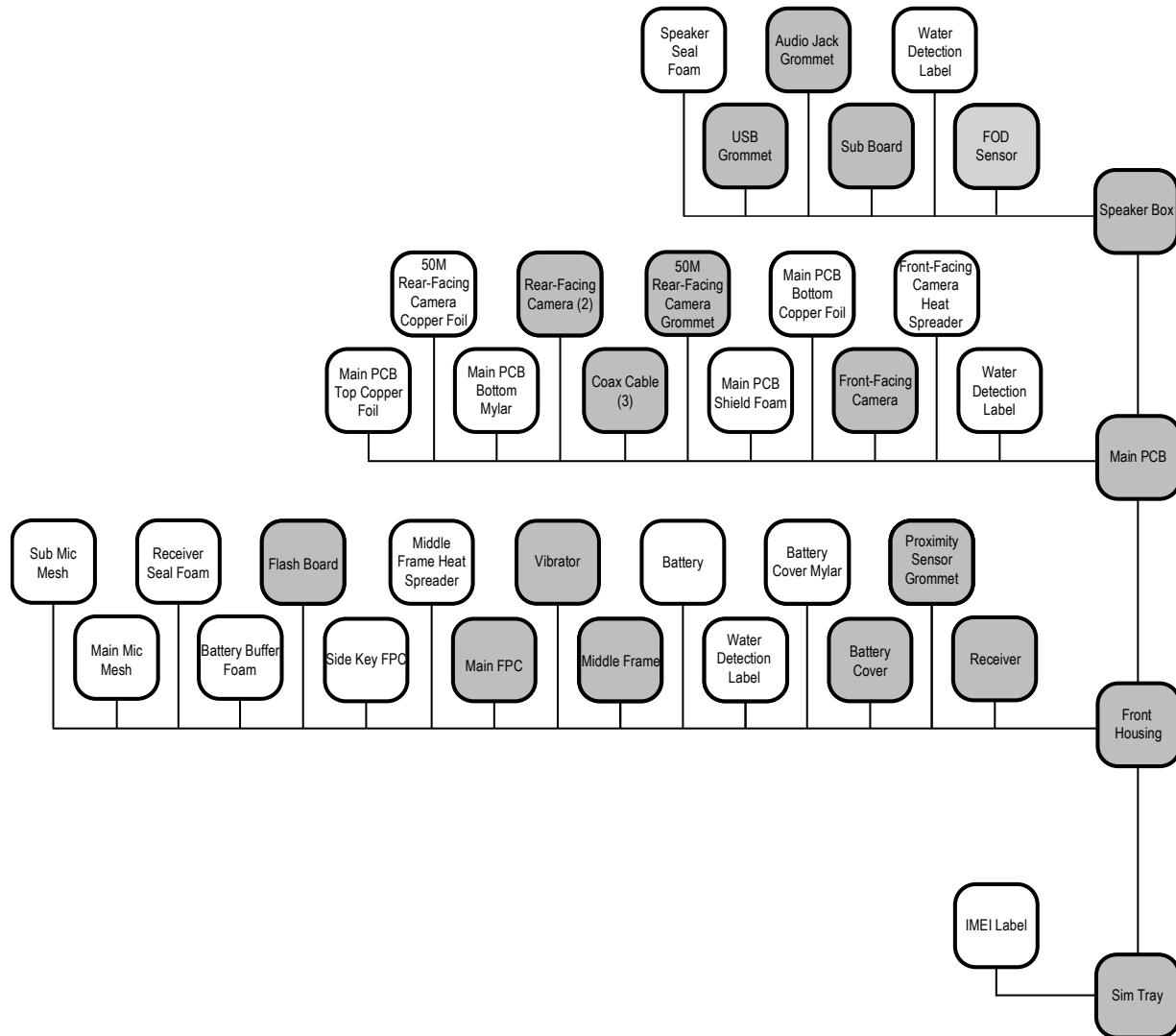
Use Plastic Scraper to remove the most part of Thermal putty from the Front-Housing.



ASSEMBLY

Assembly Map

*Shaded parts may be eligible for parts recovery.



Tools Required for Assembly

The following tools are required to assemble the Moto g84 5G phone.

Description	Part #	Picture/Drawing
Black Stick	--	
Torque Driver	--	
PH00 Bit	--	
Regen-I Pneumatic Press System https://www.regeni.com/	RG262	
Inlay Adhesive Alignment Supplier: AMS Email: holger.grube@amsde.com https://amsde.com/en	1-00-T5-10000	
Inlay Press - Holder with Pad Supplier: AMS Email: holger.grube@amsde.com https://amsde.com/en	1-00-T6-10000	

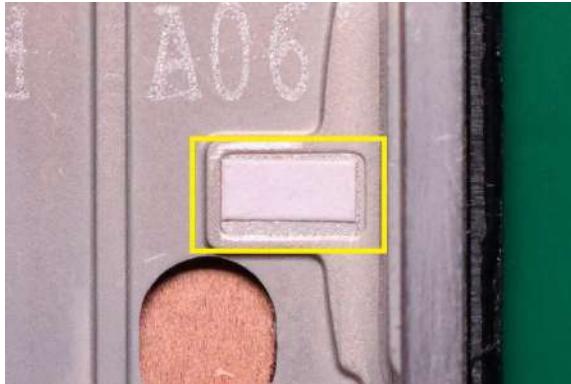
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<i>Description</i>	<i>Part #</i>	<i>Picture/Drawing</i>
Manual Roller	--	
Plastic Tweezers	--	--
Tweezers	--	--
Gloves or Finger Collets	--	--

Water Detection Label Assembly

<i>Description</i>	<i>Reference #</i>
XT2347 TP LCM&S101-CJ8130-000 CS	1
TNP316-CH1000-000+waterproof Label	-

Use the Plastic Tweezer to place the Water Detection Label (WDL) on the Front-Housing as shown.



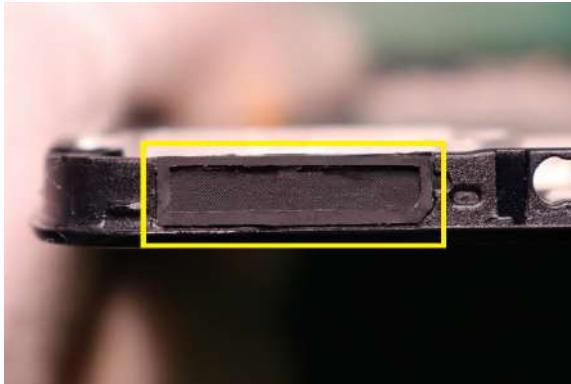
Speaker Seal Foam Assembly

<i>Description</i>	<i>Reference #</i>
XT2347 TP LCM&S101-CJ8130-000 CS	1
TNM711-CJ8000-002+SPK seal Foam net_KY	-

Use the Plastic Tweezer to place the Speaker Seal Foam on the location as shown.

NOTE

Press firmly for seconds 3 times to activate the adhesive.



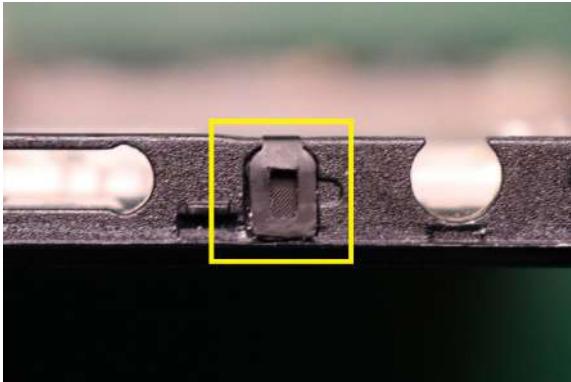
Main Mic Mesh Assembly

Description	Reference #
XT2347 TP LCM&S101-CJ8130-000 CS	1
TNM711-CJ8000-000+Main MIC dust net_KY	-

Use the Plastic Tweezer to place the Main Mic Mesh on the location as shown.

NOTE

Press firmly for seconds 3 times to activate the adhesive.



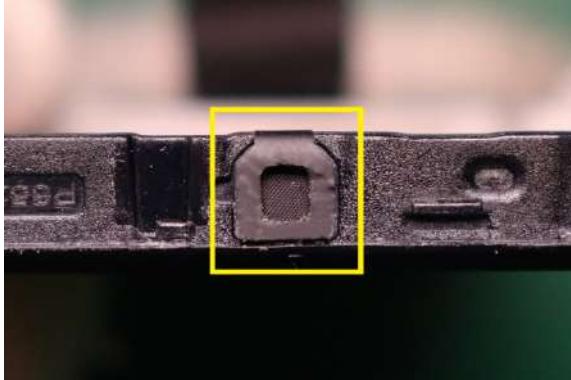
Sub Mic Mesh Assembly

<i>Description</i>	<i>Reference #</i>
XT2347 TP LCM&S101-CJ8130-000 CS	1
TNM711-CJ8000-001+MIC dust net_KY	-

Use the Plastic Tweezer to place the Sub Mic Mesh on the location as shown.

NOTE

Press firmly for seconds 3 times to activate the adhesive.



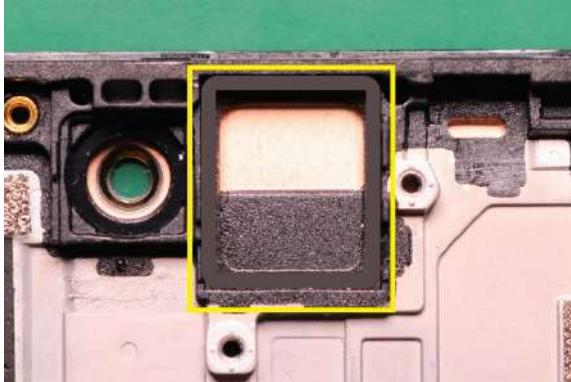
Receiver Seal Foam Assembly

<i>Description</i>	<i>Reference #</i>
XT2347 TP LCM&S101-CJ8130-000 CS	1
TNM709-CJ8000-001+Receiver seal Foam_KY	-

Use the Plastic Tweezer to place the Receiver Seal Foam on the location as shown.

NOTE

Press firmly for seconds 3 times to activate the adhesive.



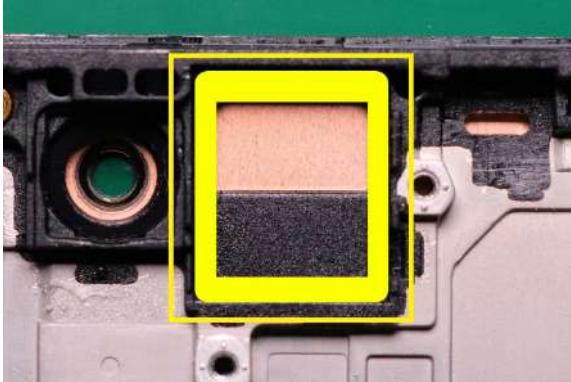
Receiver Adhesive Assembly

<i>Description</i>	<i>Reference #</i>
XT2347 TP LCM&S101-CJ8130-000 CS	1
XT2347 Receiver Adhesive&M715-CJ8000-002	-

Use the Plastic Tweezer to place the Receiver adhesive on the location as shown and peel off the liner.

NOTE

Press firmly for seconds 3 times to activate the adhesive.



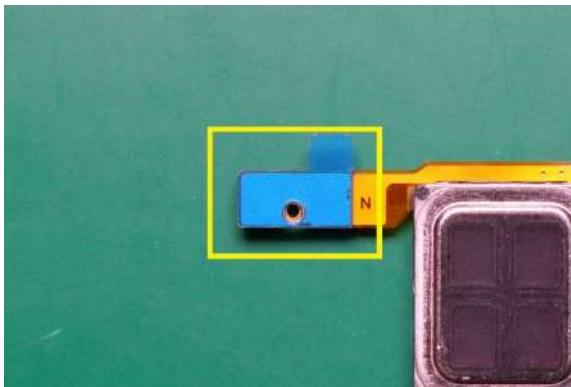
Receiver FPC Adhesive Assembly

<i>Description</i>	<i>Reference #</i>
TNN502-CDN000-010+Receiver_HS	6
XT2347 RecFPC Adhesive&M715-CJ8000-016	-

Use the Plastic Tweezer to place the Receiver FPC adhesive on the location as shown and peel off the liner.

NOTE

Press firmly for seconds 3 times to activate the adhesive.



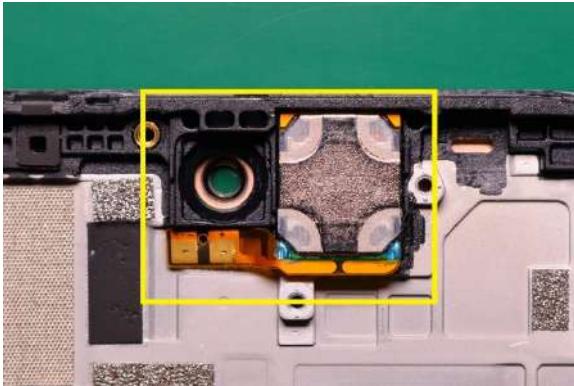
Receiver Assembly

Description	Reference #
XT2347 TP LCM&S101-CJ8130-000 CS	1
TNN502-CDN000-010+Receiver_HS	6

1. Use the Plastic Tweezer to place the Receiver on the location as shown.

NOTE

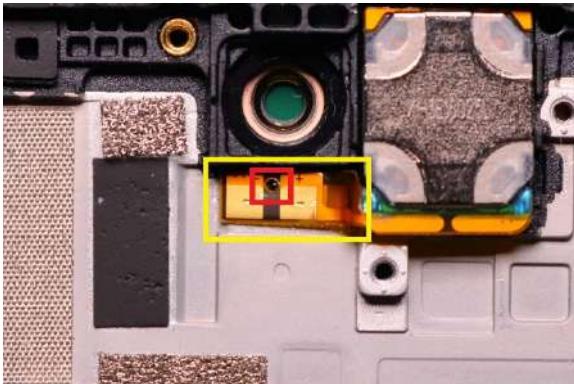
Press firmly for seconds 3 times to activate the adhesive.



2. Use the Plastic Tweezer to place and secure the Receiver FPC on the location aligning with the pin as shown.

NOTE

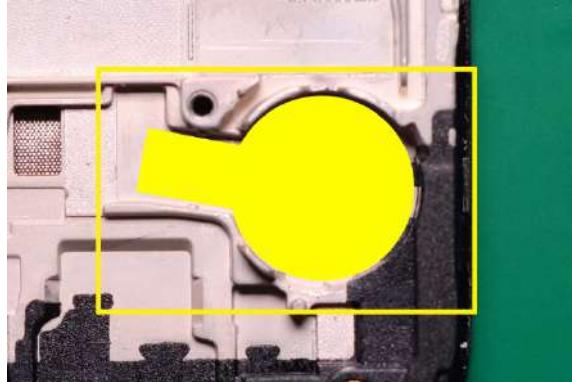
Press firmly for seconds 3 times to activate the adhesive.



Vibrator Adhesive Assembly

<i>Description</i>	<i>Reference #</i>
XT2347 TP LCM&S101-CJ8130-000 CS	1
XT2347 Motor Adhesive&M715-CJ8000-017	-

Use the Plastic Tweezer to place the Vibrator adhesive on the location as shown and peel off the liner.



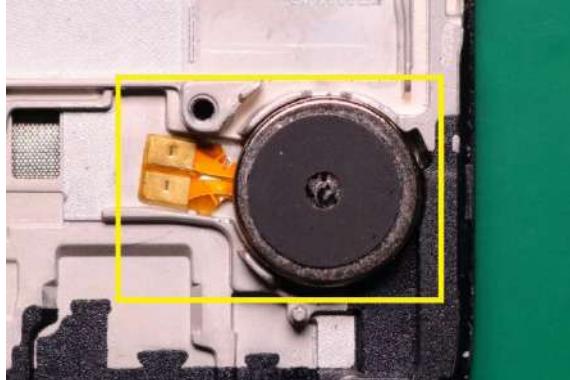
Vibrator Assembly

<i>Description</i>	<i>Reference #</i>
XT2347 TP LCM&S101-CJ8130-000 CS	1
TNN901-CDC000-000+Conductive cloth_2.6V	17

Use the Plastic Tweezer to place the Vibrator on the location as shown.

NOTE

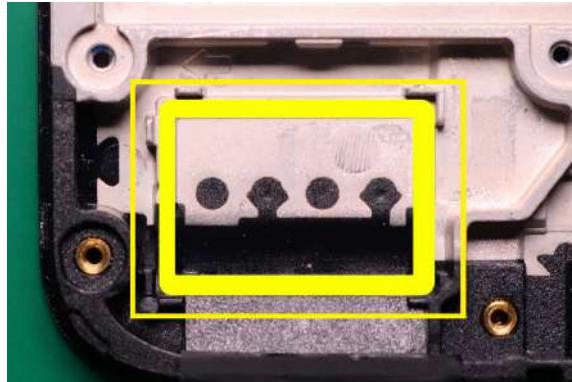
Press firmly for seconds 3 times to activate the adhesive.



Speaker Box Adhesive Assembly

<i>Description</i>	<i>Reference #</i>
XT2347 TP LCM&S101-CJ8130-000 CS	1
TNM709-CJ8000-000+SPK seal Foam_KY	-

Use the Plastic Tweezer to place the Speaker Box adhesive on the location as shown and peel off the liner.



Speaker Box Assembly

<i>Description</i>	<i>Reference #</i>
XT2347 TP LCM&S101-CJ8130-000 CS	1
TNN501-CJ8000-010+Speaker_HS	16

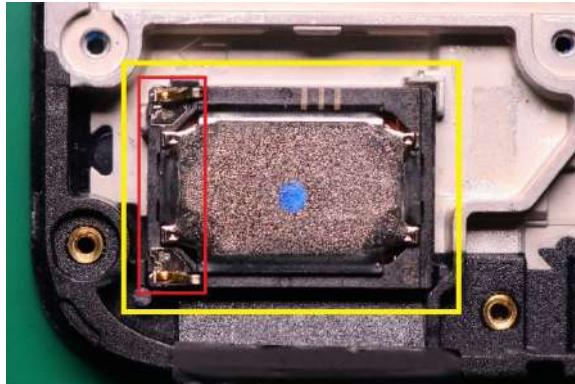
Use fingers to place the Speaker Box on the location aligning with the positioning slot of the Front-Housing as shown.

NOTE

Press firmly for seconds 3 times to activate the adhesive.

NOTE

The metal contacts should be on the right side.



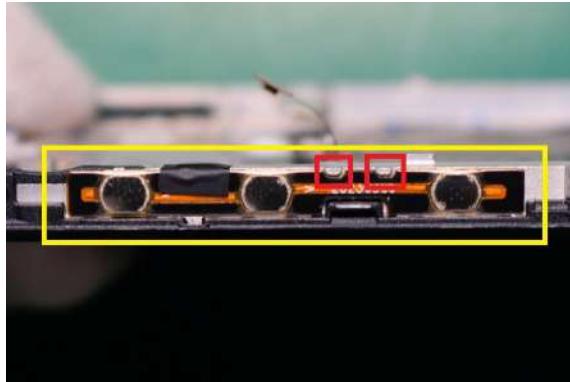
Side Key FPC Assembly

<i>Description</i>	<i>Reference #</i>
XT2347 TP LCM&S101-CJ8130-000 CS	1
TNN802-CJ8000-010+VOL_KEY_FPC_KHX	7

1. Use the Plastic Tweezer to place and secure the Side Key FPC on the location aligning with the positioning slots of the Front-Housing as shown.

NOTE

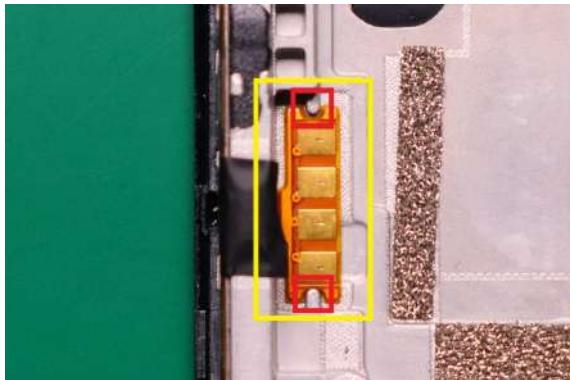
Press firmly for seconds 3 times to activate the adhesive.



2. Use the Plastic Tweezer to place and secure the Side Key FPC on the location aligning with the pins as shown.

NOTE

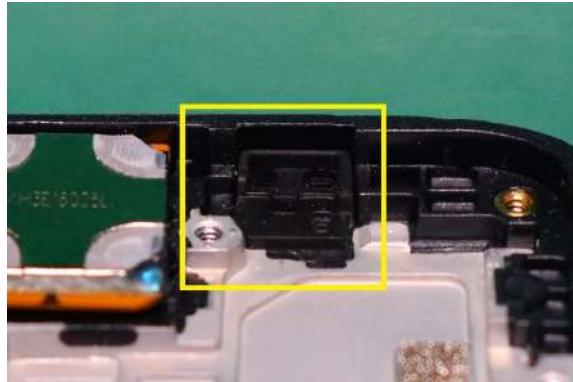
Press firmly for seconds 3 times to activate the adhesive.



Proximity Sensor Grommet Assembly

<i>Description</i>	<i>Reference #</i>
XT2347 TP LCM&S101-CJ8130-000 CS	1
TNM716-CJ8000-002+Light Guid silicone	15

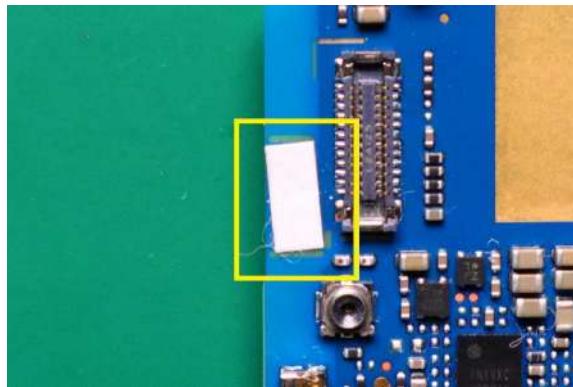
Use the Plastic Tweezer to place and secure the Proximity Sensor Grommet on the location as shown.



Water Detection Label Assembly

Description	Reference #
XT2347 TP LCM&S101-CJ8130-000 CS	1
TNP316-CH1000-000+waterproof Label	-

Use the Plastic Tweezer to place the Water Detection Label (WDL) on the Main PCB as shown.



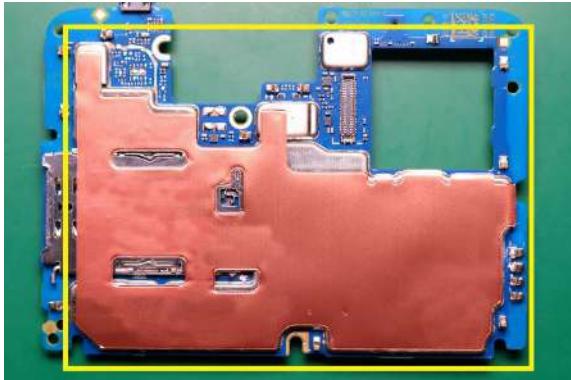
Main PCB Top Copper Foil Assembly

Description	Reference #
ASSY,BD KIT,Bangkok5G 8+256 P+E BR PLT XT2347-1 MB 8+256G DS&F00CJ83-000-002 CS XT2347-1 MB 8+256G SS&F00CJ83-000-000 CS XT2347-2 MB 12+256G DS&F00CJ83-000-001CS ASSY,BD KIT,Bangkok5G 12+256 DS P+P IN	2
TNM719-CJ8000-001+T shield copper foil_KY	-

Use the Plastic Tweezer to place the Main PCB Top Copper Foil on the location as shown and peel off the liner.

NOTE

Press firmly for seconds 3 times to activate the adhesive.



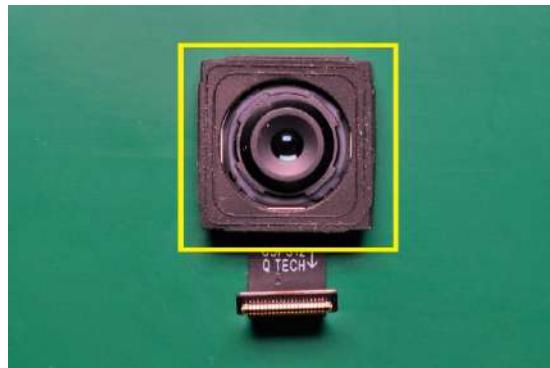
50M Rear-Facing Camera Grommet Assembly

<i>Description</i>	<i>Reference #</i>
MDL,CAMR,50M,rear,C3PS12;Q Tech,OIS:Bang	25
TNM716-CJ8000-005+50M sealed silicone_EH	-

Use the Plastic Tweezer to place the 50M Rear-Facing Camera Grommet on the location as shown.

NOTE

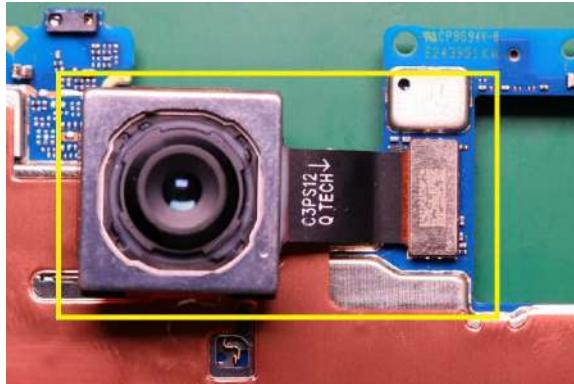
Be careful not to press the 50M Rear-Facing Camera lens.



50M Rear-Facing Camera Assembly

<i>Description</i>	<i>Reference #</i>
ASSY,BD KIT,Bangkok5G 8+256 P+E BR PLT XT2347-1 MB 8+256G DS&F00CJ83-000-002 CS XT2347-1 MB 8+256G SS&F00CJ83-000-000 CS XT2347-2 MB 12+256G DS&F00CJ83-000-001CS ASSY,BD KIT,Bangkok5G 12+256 DS P+P IN	2
MDL,CAMR,50M,rear,C3PS12;Q Tech,OIS:Bang	25

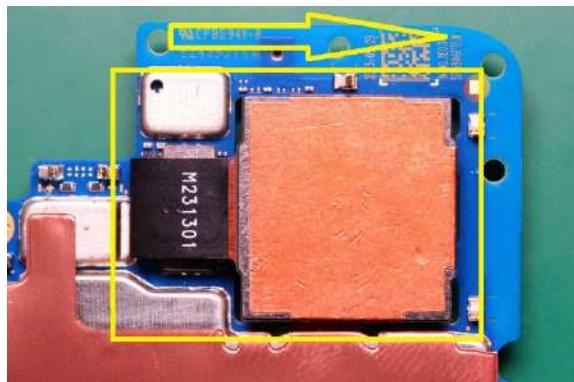
1. Use fingers to place and secure the 50M Rear-Facing Camera on the location as shown.



2. Use fingers to bend and place the 50M Rear-Facing Camera in the direction as shown.

NOTE

Make sure the 50M Rear-Facing Camera is installed into the recess of the Main PCB.



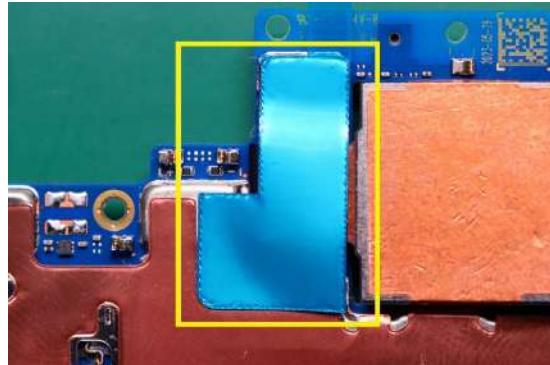
50M Rear-Facing Camera Copper Foil Assembly

<i>Description</i>	<i>Reference #</i>
ASSY,BD KIT,Bangkok5G 8+256 P+E BR PLT XT2347-1 MB 8+256G DS&F00CJ83-000-002 CS XT2347-1 MB 8+256G SS&F00CJ83-000-000 CS XT2347-2 MB 12+256G DS&F00CJ83-000-001CS ASSY,BD KIT,Bangkok5G 12+256 DS P+P IN	2
XT2347 RearCAM Copper&M719-CJ8000-002	-

Use the Plastic Tweezer to place the 50M Rear-Facing Camera Copper Foil on the location as shown and peel off the liner.

NOTE

Press firmly for seconds 3 times to activate the adhesive.



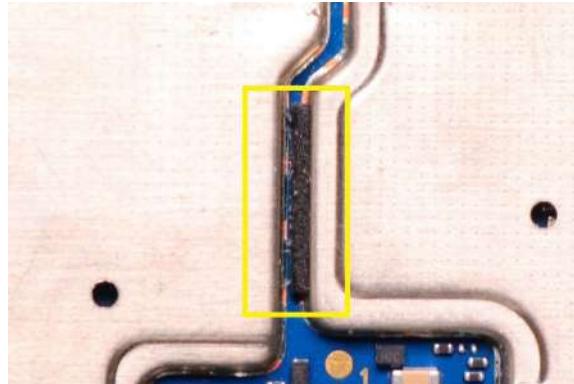
Main PCB Shield Foam Assembly

Description	Reference #
ASSY,BD KIT,Bangkok5G 8+256 P+E BR PLT XT2347-1 MB 8+256G DS&F00CJ83-000-002 CS XT2347-1 MB 8+256G SS&F00CJ83-000-000 CS XT2347-2 MB 12+256G DS&F00CJ83-000-001CS ASSY,BD KIT,Bangkok5G 12+256 DS P+P IN	2
TNM709-CJ8000-003+shield seal Foam_KY	-

Use the Plastic Tweezer to place the Main PCB Shield Foam on the location as shown.

NOTE

Press firmly for seconds 3 times to activate the adhesive.



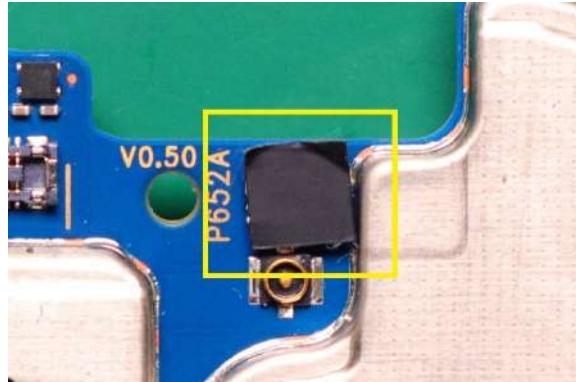
Main PCB Bottom Mylar Assembly

Description	Reference #
ASSY,BD KIT,Bangkok5G 8+256 P+E BR PLT XT2347-1 MB 8+256G DS&F00CJ83-000-002 CS XT2347-1 MB 8+256G SS&F00CJ83-000-000 CS XT2347-2 MB 12+256G DS&F00CJ83-000-001CS ASSY,BD KIT,Bangkok5G 12+256 DS P+P IN	2
TNM701-CJ8000-002+Main PCB mylar_KY	-

Use the Plastic Tweezer to place the Main PCB Bottom Mylar on the location as shown.

NOTE

Press firmly for seconds 3 times to activate the adhesive.



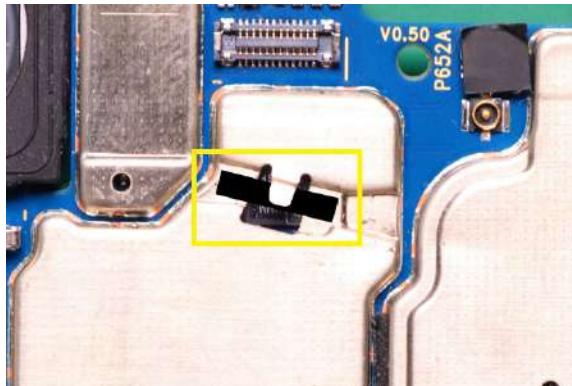
RF Cable Adhesive Assembly

<i>Description</i>	<i>Reference #</i>
ASSY,BD KIT,Bangkok5G 8+256 P+E BR PLT XT2347-1 MB 8+256G DS&F00CJ83-000-002 CS XT2347-1 MB 8+256G SS&F00CJ83-000-000 CS XT2347-2 MB 12+256G DS&F00CJ83-000-001CS ASSY,BD KIT,Bangkok5G 12+256 DS P+P IN	2
TNM715-CJ8000-014+RF cable Adhesive_KY	-

Use the Plastic Tweezer to place the RF Cable Adhesive on the location as shown and peel off the liner.

NOTE

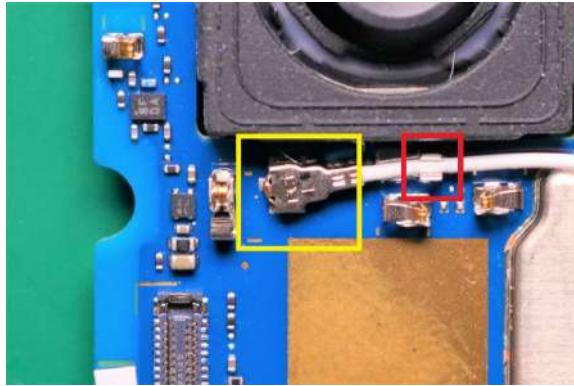
Press firmly for seconds 3 times to activate the adhesive.



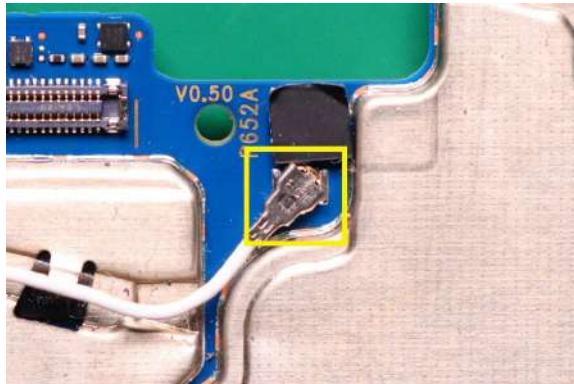
White Coax Cable Assembly

<i>Description</i>	<i>Reference #</i>
ASSY,BD KIT,Bangkok5G 8+256 P+E BR PLT XT2347-1 MB 8+256G DS&F00CJ83-000-002 CS XT2347-1 MB 8+256G SS&F00CJ83-000-000 CS XT2347-2 MB 12+256G DS&F00CJ83-000-001CS ASSY,BD KIT,Bangkok5G 12+256 DS P+P IN	2
TNEI06-CJ8000-000+RF cabel_DL	12

1. Use the Plastic Tweezer to place the White Coax Cable on the location as shown.



2. Use the Plastic Tweezer to place the White Coax Cable on the location as shown.



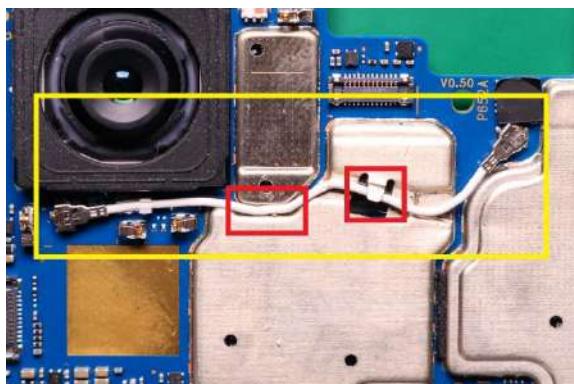
3. Use the pointed end of the Black Stick to place the White Coax Cable on the location as shown.

NOTE

After fastening the connectors, press the cable into the cable guide.

NOTE

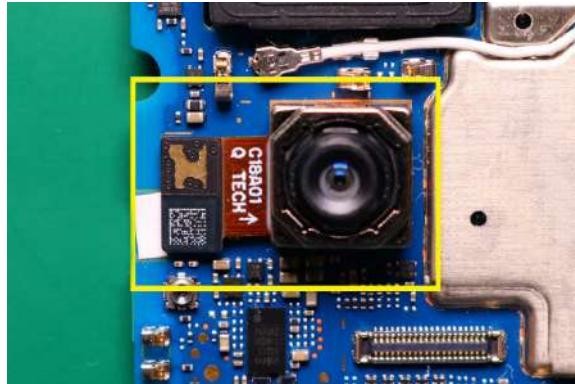
Avoid the Clip when arranging cable. After assembly, check if the Clip is deformed.



8M Rear-Facing Camera Assembly

<i>Description</i>	<i>Reference #</i>
ASSY,BD KIT,Bangkok5G 8+256 P+E BR PLT XT2347-1 MB 8+256G DS&F00CJ83-000-002 CS XT2347-1 MB 8+256G SS&F00CJ83-000-000 CS XT2347-2 MB 12+256G DS&F00CJ83-000-001CS ASSY,BD KIT,Bangkok5G 12+256 DS P+P IN	2
MDL,CAMR,8M,rear,C18A01;Q Tech:,AF:Berli	26

Use fingers to place and secure the 8M Rear-Facing Camera on the Main PCB as shown.



Thermal Gel Assembly

NOTE

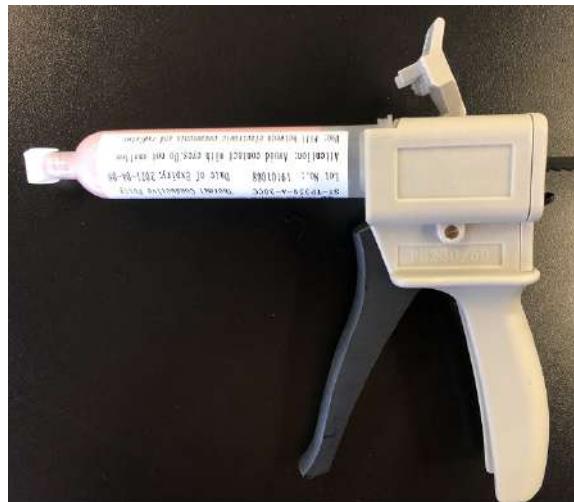
This procedure is only required when replacing the Main PCB or Front Housing.

Thermal Gel Syringe size package and Needle Gauges description

1. TDS SY-TP350 5ml can operate without dispensing tool.



2. TDS SY-TP350 30ml operate with dispensing tool.



3. Henkel LF350 30ml operate with dispensing tool.



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4. Cooler Master and Artic Thermal Gel syringe package.



5. When use Artic and Cooler Master 30ml package suggest using 18-gauge needle.



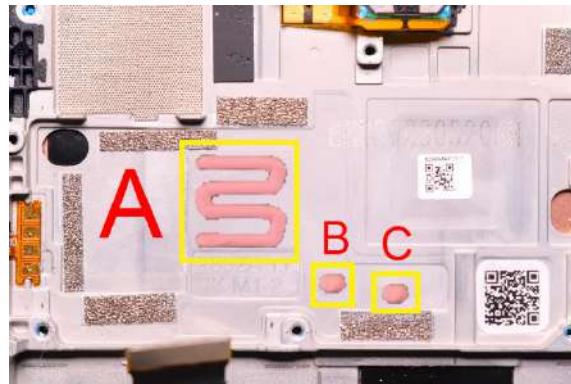
6. When use SY-TP350 or Henkel LF350 30ml package suggest using 14- or 15-gauge needle.

Needle Gauges for Injections Size Chart

14 GAUGE COLOR: GREEN OUTER DIAMETER: .072IN (1.83MM)
15 GAUGE COLOR: AMBER OUTER DIAMETER: .065IN (1.65MM)
16 GAUGE COLOR: GRAY OUTER DIAMETER: .064IN (1.63MM)
18 GAUGE COLOR: GREEN OUTER DIAMETER: .050IN (1.27MM)
20 GAUGE COLOR: PINK OUTER DIAMETER: .036IN (.91MM)
21 GAUGE COLOR: PURPLE OUTER DIAMETER: .033IN (.83MM)
22 GAUGE COLOR: BLUE OUTER DIAMETER: .027IN (.70MM)
23 GAUGE COLOR: ORANGE OUTER DIAMETER: .025IN (.63MM)
25 GAUGE COLOR: RED OUTER DIAMETER: .020IN (.53MM)
27 GAUGE COLOR: WHITE OUTER DIAMETER: .016IN (.42MM)

Thermal Gel Location Assembly

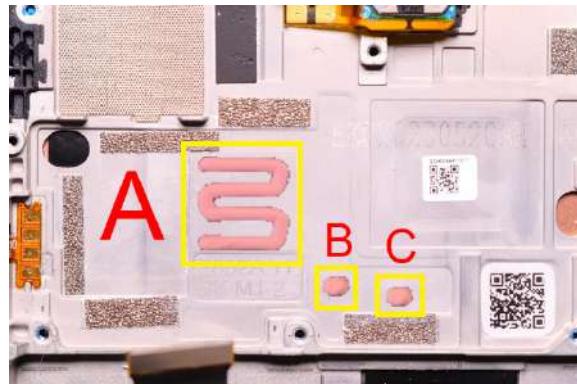
Noticing on the Front-Housing and refer to Thermal Gel shape as shown.



Thermal Gel Assembly Method A by Weight

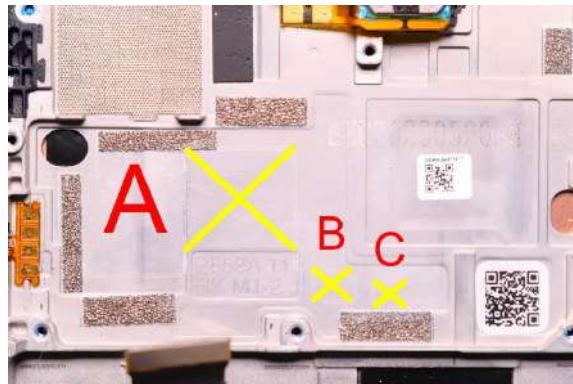
Add Thermal Conductive Gel on the visual block as shown.

Thermal Gel area	Weight /mg
Point A	350
Point B	40
Point C	40



Thermal Gel Assembly Method B by Area

1. Use the pen to mark the 3 points on the Front-Housing as shown.



2. Use the 18-gauge needle (green color) for Artic and Cooler Master.
Use the 14/15-gauge needle for Henkel LF350.
3. Use the Tweezer to cut off the string of thermal gel from the needle.

NOTE

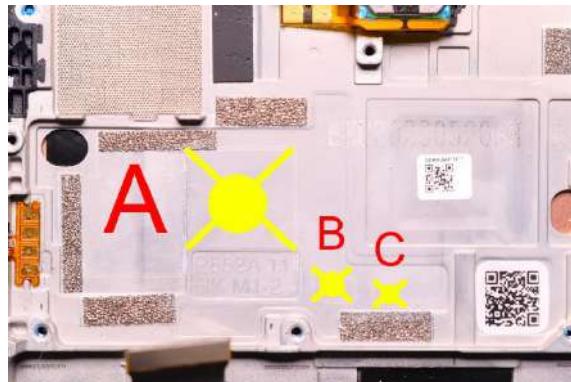
The tip of the Needle and Tweezers must be cleaned after each application.

4. Heat conductive gel is extruded according to the amount of heat conductive gel.

NOTE

Care not to exceed the diameter while applying the Thermal gel.

Thermal Gel area	Diameter /mm
Point A	15
Point B	5
Point C	5



5. Use the Thermal Gel described below:

NOTE

Needle must be replaced daily.

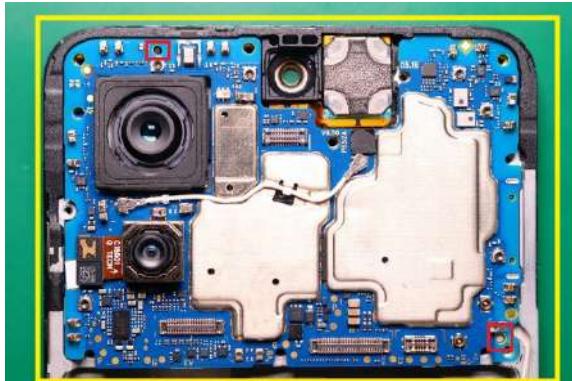
Thermal Gel list that can be acceptable substitutes

Brand	Model	URL
Cool Master	MGY-OSSG-N15M-R1	https://www.coolermaster.com/catalog/coolers/thermal-grease/mastergel-pro/
	MGZ-NDSG-N15M-R1	https://www.coolermaster.com/catalog/coolers/thermal-grease/mastergel-maker/
	RG-ICE1-TG15-R1	https://www.coolermaster.com/catalog/coolers/thermal-grease/ic-essential-e1/
	RG-ICE2-TA15-R1	https://www.coolermaster.com/catalog/coolers/thermal-grease/ic-essential-e2/
	RG-EFX1-TG15-R1	https://www.coolermaster.com/catalog/coolers/thermal-grease/extreme-fusion-x1/
Electrolube	TCP400	N/A
Henkel	LF3500	N/A

Main PCB Assembly

Description	Reference #
XT2347 TP LCM&S101-CJ8130-000 CS	1
ASSY,BD KIT,Bangkok5G 8+256 P+E BR PLT XT2347-1 MB 8+256G DS&F00CJ83-000-002 CS XT2347-1 MB 8+256G SS&F00CJ83-000-000 CS XT2347-2 MB 12+256G DS&F00CJ83-000-001CS ASSY,BD KIT,Bangkok5G 12+256 DS P+P IN	2
TNM501-211103-011+round head screw	-

1. Make sure to place the Main PCB on the Front-Housing aligning with the pins as shown.

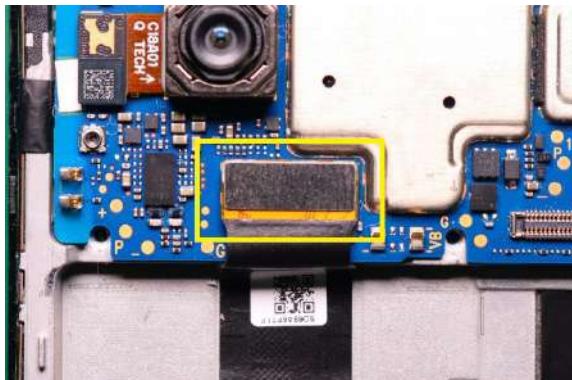


NOTE

Incline the Main PCB and insert the Main PCB into the Front-Housing at certain degrees.



2. Use fingers to place and secure the Display Flex BtB Connector on the Main PCB as shown.



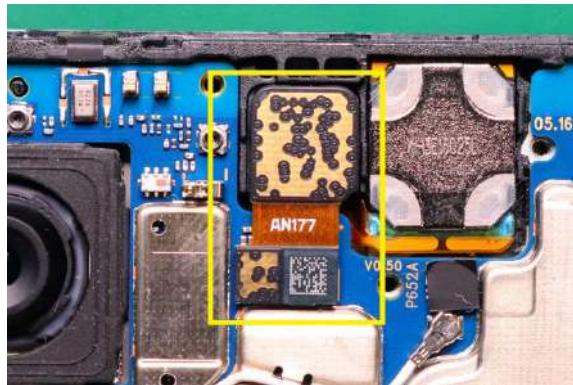
Front-Facing Camera Assembly

Description	Reference #
XT2347 TP LCM&S101-CJ8130-000 CS	1
ASSY,BD KIT,Bangkok5G 8+256 P+E BR PLT XT2347-1 MB 8+256G DS&F00CJ83-000-002 CS XT2347-1 MB 8+256G SS&F00CJ83-000-000 CS XT2347-2 MB 12+256G DS&F00CJ83-000-001CS ASSY,BD KIT,Bangkok5G 12+256 DS P+P IN	2
MDL,CAMR,16M,front;L16AFE0;O-FILM:,FF:rh	5

Use fingers to place and secure the Front-Facing Camera on the location as shown.

NOTE

Make sure the Front-Facing Camera is installed into the recess of the Front-Housing.



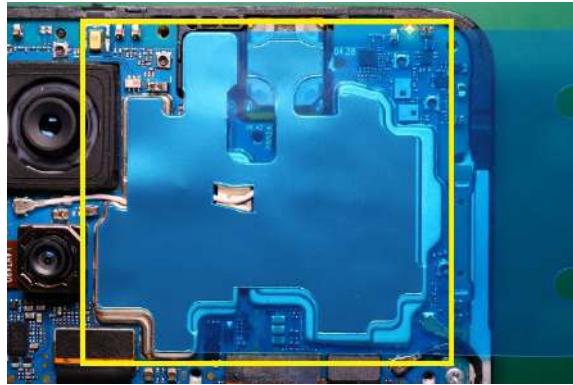
Main PCB Bottom Copper Foil Assembly

Description	Reference #
ASSY,BD KIT,Bangkok5G 8+256 P+E BR PLT XT2347-1 MB 8+256G DS&F00CJ83-000-002 CS XT2347-1 MB 8+256G SS&F00CJ83-000-000 CS XT2347-2 MB 12+256G DS&F00CJ83-000-001CS ASSY,BD KIT,Bangkok5G 12+256 DS P+P IN	2
MDL,CAMR,16M,front;L16AFE0;O-FILM:,FF:rh	5
TNN502-CDN000-010+Receiver_HS	6
TNM719-CJ8000-000+B shield copper foil_KY	23

Use the Plastic Tweezer to place the Main PCB Bottom Copper Foil on the location as shown and peel off the liner.

NOTE

Press firmly for seconds 3 times to activate the adhesive.



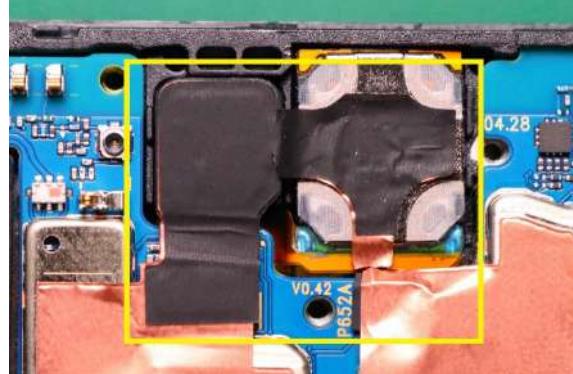
Front-Facing Camera Heat Spreader Assembly

Description	Reference #
ASSY,BD KIT,Bangkok5G 8+256 P+E BR PLT XT2347-1 MB 8+256G DS&F00CJ83-000-002 CS XT2347-1 MB 8+256G SS&F00CJ83-000-000 CS XT2347-2 MB 12+256G DS&F00CJ83-000-001CS ASSY,BD KIT,Bangkok5G 12+256 DS P+P IN	2
MDL,CAMR,16M,front;L16AFE0;O-FILM:,FF:rh	5
TNN502-CDN000-010+Receiver_HS	6
TNM721-CJ8000-000+C&R Graphite sheet_DY	24

Use the Plastic Tweezer to place the Front-Facing Camera Heat Spreader on the location as shown and peel off the liner.

NOTE

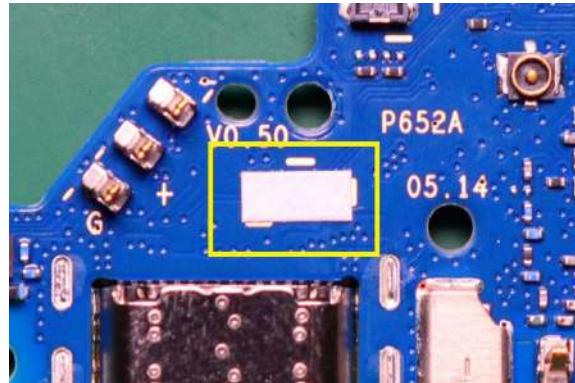
Press firmly for seconds 3 times to activate the adhesive.



Water Detection Label Assembly

<i>Description</i>	<i>Reference #</i>
ASSY,DTR BRD,Bangkok5G BR IN SUB PCBA XT2347 Sub Board&S102-CJ8000-000 CS	19
TNP316-CH1000-000+waterproof Label	-

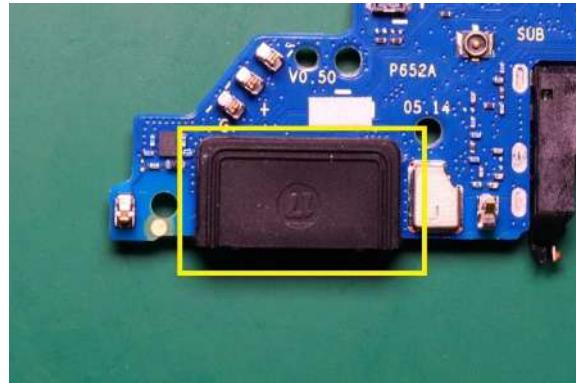
Use the Plastic Tweezer to place the Water Detection Label (WDL) on the Sub Board as shown.



USB Grommet Assembly

<i>Description</i>	<i>Reference #</i>
ASSY,DTR BRD,Bangkok5G BR IN SUB PCBA XT2347 Sub Board&S102-CJ8000-000 CS	19
TNM716-CJ8000-001+Type-C silicone sleeve	20

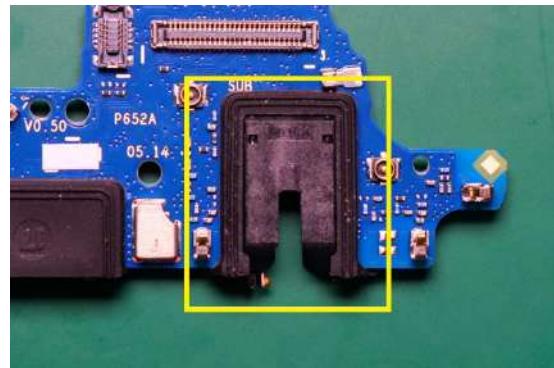
Use the Plastic Tweezer to place the USB Grommet on the location as shown.



Audio Jack Grommet Assembly

<i>Description</i>	<i>Reference #</i>
TNM716-CJ8000-000+Ear silicone sleeve_EH	18
ASSY,DTR BRD,Bangkok5G BR IN SUB PCBA XT2347 Sub Board&S102-CJ8000-000 CS	19

Use the Plastic Tweezer to place the Audio Jack Grommet on the location as shown.



FOD Sensor Adhesive Assembly

Description	Reference #
XT2347 TP LCM&S101-CJ8130-000 CS	1
XT2347 FOD Adhesive&M715-CJ8000-001	-

Use the Plastic Tweezer to place the FOD Sensor Adhesive on the location as shown and peel off the liner.

NOTE

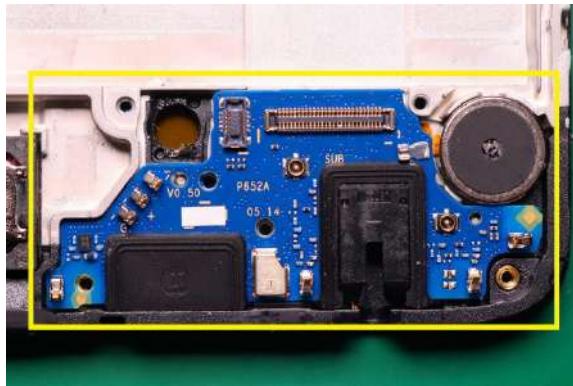
Press firmly for seconds 3 times to activate the adhesive.



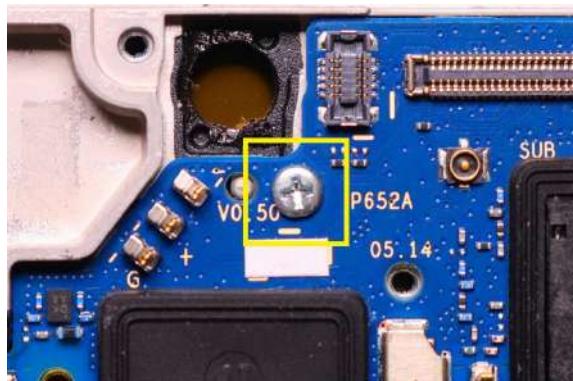
Sub Board Assembly

<i>Description</i>	<i>Reference #</i>
XT2347 TP LCM&S101-CJ8130-000 CS	1
ASSY,DTR BRD,Bangkok5G BR IN SUB PCBA XT2347 Sub Board&S102-CJ8000-000 CS	19
TNM501-211103-011+round head screw	-

1. Use fingers to place the Sub Board on the location as shown.



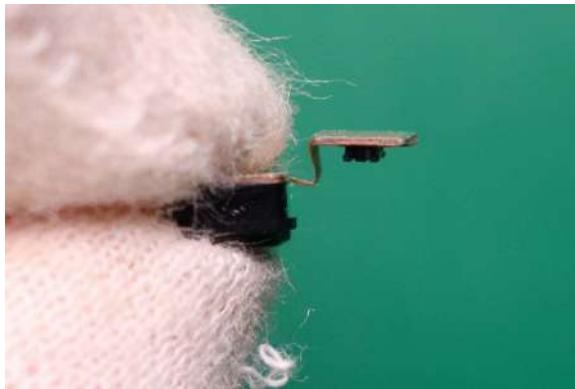
2. Use the Torque Driver with PH00 Bit to tighten the screw as shown (0.6 ± 0.1 kgf-cm).



FOD Sensor Assembly

Description	Reference #
XT2347 TP LCM&S101-CJ8130-000 CS	1
ASSY,DTR BRD,Bangkok5G BR IN SUB PCBA XT2347 Sub Board&S102-CJ8000-000 CS	19
FINGERPRT SCANNER,Qtech,FOD EL721	22

1. Use fingers to bend the FOD Sensor as shown.



2. Use fingers to place and secure the FOD Sensor on the location as shown.

NOTE

Make sure the FOD Sensor is installed into the recess of the Front-Housing.

NOTE

Once replaced FOD sensor, Display, or Main PCB, must follow LMTS FOD calibration process and detail on the FOD tool to do FOD calibration.



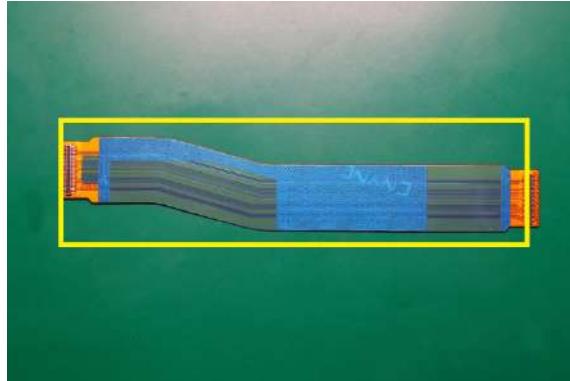
Main FPC Adhesive Assembly

Description	Reference #
TNN800-CJ8000-010+MAIN_FPC_KHX	8
XT2347 Main FPC Adhesive&M715-CJ8000-015	-

Use the Plastic Tweezer to place the Main FPC Adhesive on the location as shown and peel off the liner.

NOTE

Press firmly for seconds 3 times to activate the adhesive.



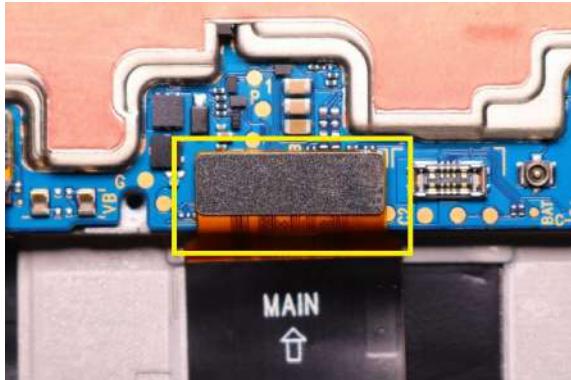
Main FPC Assembly

Description	Reference #
XT2347 TP LCM&S101-CJ8130-000 CS	1
ASSY,BD KIT,Bangkok5G 8+256 P+E BR PLT XT2347-1 MB 8+256G DS&F00CJ83-000-002 CS XT2347-1 MB 8+256G SS&F00CJ83-000-000 CS XT2347-2 MB 12+256G DS&F00CJ83-000-001CS ASSY,BD KIT,Bangkok5G 12+256 DS P+P IN	2
TNN800-CJ8000-010+MAIN_FPC_KHX	8
ASSY,DTR BRD,Bangkok5G BR IN SUB PCBA XT2347 Sub Board&S102-CJ8000-000 CS	19

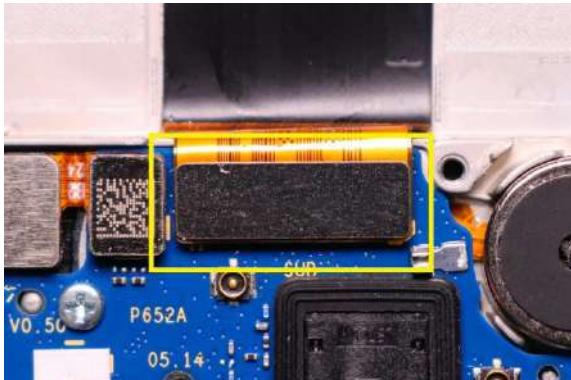
1. Use fingers to place the Main FPC BtB connector on the Main PCB as shown.

NOTE

Make sure the Main FPC is buckled up with on the Main PCB end with the font MAIN at one end.



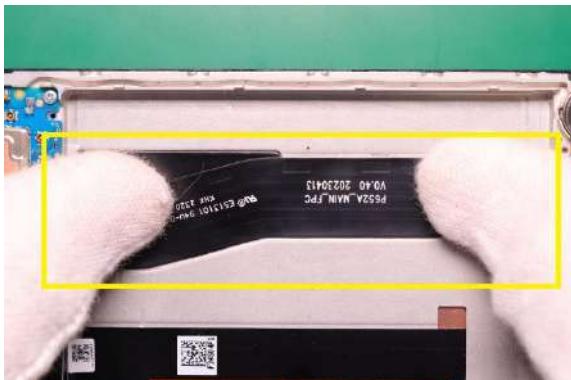
2. Use fingers to place the Main FPC BtB connector on the Sub Board as shown.



3. Use fingers to place the Main FPC on the Front-Housing as shown, stick side down.

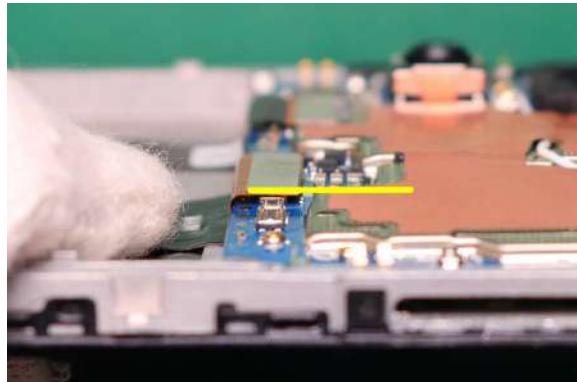
NOTE

Press firmly for seconds 3 times to activate the adhesive.



NOTE

The height of the Main FPC BTB connector
cannot exceed the Shielding Cover.



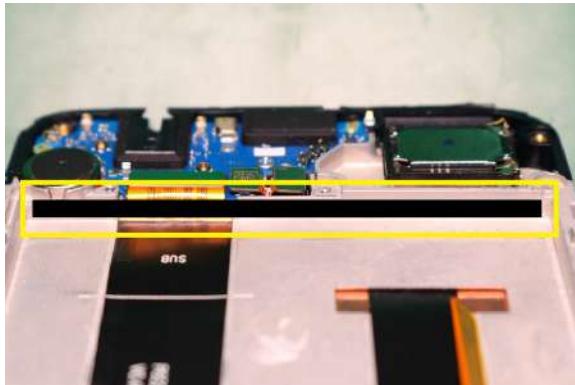
Battery Buffer Foam Assembly

Description	Reference #
XT2347 TP LCM&S101-CJ8130-000 CS	1
TNN800-CJ8000-010+MAIN_FPC_KHX	8
TNM709-CJ8000-002+BAT buffer foam_KY	-

Use the Plastic Tweezer to place the Battery Buffer Foam on the Front-Housing as shown.

NOTE

Press firmly for seconds 3 times to activate the adhesive.



Battery Adhesive Assembly

Description	Reference #
XT2347 TP LCM&S101-CJ8130-000 CS	1
TNM715-CJ8000-000+Battery Adhesive_KY	9

Use the Plastic Tweezer to place the Battery Adhesive on the Front-Housing as shown and peel off the liner.

NOTE

Press firmly for seconds 3 times to activate the adhesive.



Battery Assembly

Description	Reference #
XT2347 TP LCM&S101-CJ8130-000 CS	1
ASSY,BD KIT,Bangkok5G 8+256 P+E BR PLT XT2347-1 MB 8+256G DS&F00CJ83-000-002 CS XT2347-1 MB 8+256G SS&F00CJ83-000-000 CS XT2347-2 MB 12+256G DS&F00CJ83-000-001CS ASSY,BD KIT,Bangkok5G 12+256 DS P+P IN	2
ACCY,BAT,5000mAh,QB50,LW496584,SUNWODA	10

/// WARNING ///

Failure to adhere to Safety Critical Note(s) may increase risk of rupture, burning, or failure to function safely when used by the customer.
 Refer to the Battery Safety Guidelines.

// CAUTION //

Handle the Battery Pack with care. If dropped to the floor, it may be internally damaged and must be scrapped.

Ensure Battery and its insulation are not damaged (e.g. scratched, dented, punctured) prior to and throughout assembly.

Prior to assembly, ensure Battery edges and surfaces are not dented or deformed, and that fixtures and parts that will contact the Battery are free of foreign material.

Ensure screws and screwdrivers do not contact the Battery.

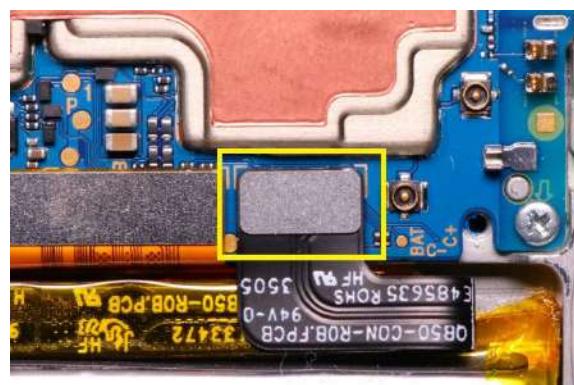
1. Use fingers to place and secure the Battery on the location as shown.

NOTE

Make sure to assembly the Battery using the bottom of the Battery compartment as marked in red.



2. Use fingers to place and secure Battery BtB Connector on the location as shown.



3. Use the Manual Roller to roll over the Battery for 10 cycles to secure the Battery as shown.

NOTE

For each cycle roll the Manual Roller from top to bottom of the Battery and vice versa.

NOTE

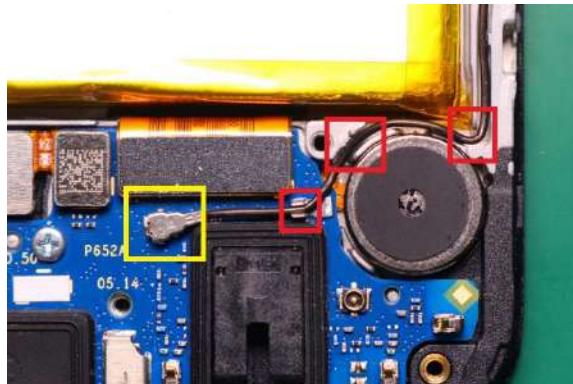
Each cycle should last for 3 seconds.



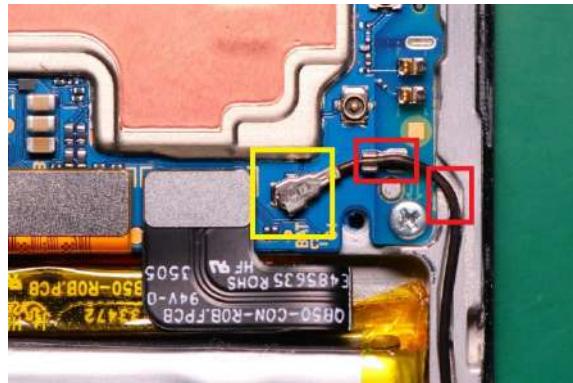
Black Coax Cable 2 Assembly

Description	Reference #
XT2347 TP LCM&S101-CJ8130-000 CS	1
ASSY,BD KIT,Bangkok5G 8+256 P+E BR PLT XT2347-1 MB 8+256G DS&F00CJ83-000-002 CS XT2347-1 MB 8+256G SS&F00CJ83-000-000 CS XT2347-2 MB 12+256G DS&F00CJ83-000-001CS ASSY,BD KIT,Bangkok5G 12+256 DS P+P IN	2
TNEI06-818024-001+RF cable_DL	11
ASSY,DTR BRD,Bangkok5G BR IN SUB PCBA XT2347 Sub Board&S102-CJ8000-000 CS	19

1. Use the Plastic Tweezer to place and secure the Black Coax Cable 2 on the location as shown.



2. Use the Plastic Tweezer to place and secure the Black Coax Cable 2 on the location as shown.



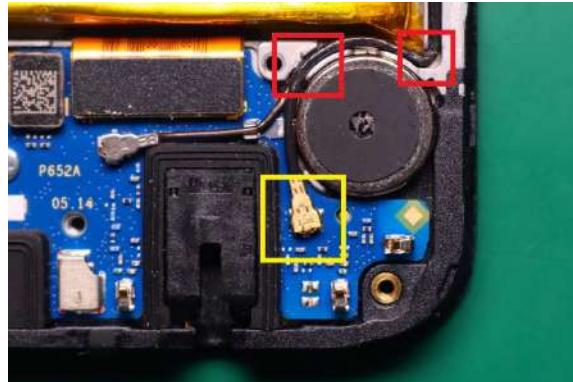
3. Use the pointed end of the Black Stick to place the Black Coax cable 2 on the pocket of the recess of the phone.



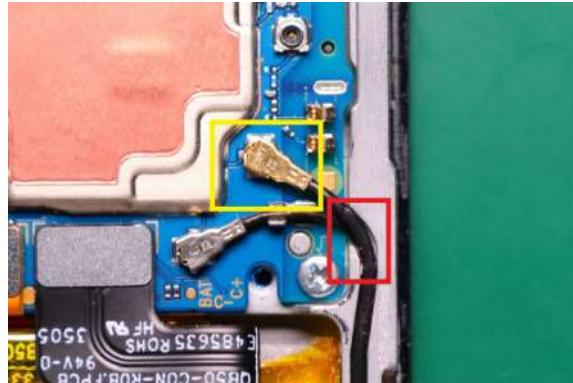
Black Coax Cable 1 Assembly

Description	Reference #
XT2347 TP LCM&S101-CJ8130-000 CS	1
ASSY,BD KIT,Bangkok5G 8+256 P+E BR PLT XT2347-1 MB 8+256G DS&F00CJ83-000-002 CS XT2347-1 MB 8+256G SS&F00CJ83-000-000 CS XT2347-2 MB 12+256G DS&F00CJ83-000-001CS ASSY,BD KIT,Bangkok5G 12+256 DS P+P IN	2
TNEI06-818017-000+RF cable_DL	13
ASSY,DTR BRD,Bangkok5G BR IN SUB PCBA XT2347 Sub Board&S102-CJ8000-000 CS	19

1. Use the Plastic Tweezer to place and secure the Black Coax Cable 1 on the location as shown.



2. Use the Plastic Tweezer to place and secure the Black Coax Cable 1 on the location as shown.



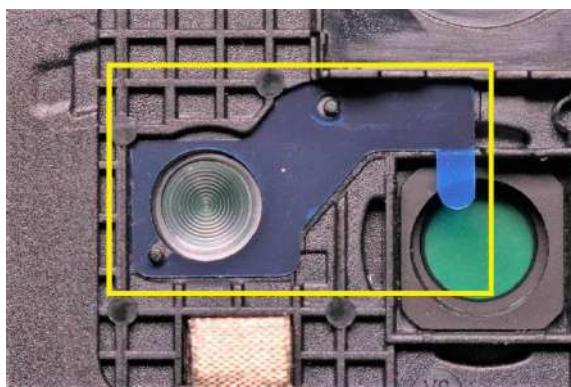
3. Use the pointed end of the Black Stick to place the Black Coax cable 1 on the pocket of the recess of the phone.



Flash Board Adhesive Assembly

Description	Reference #
XT2347 EtchR-Cover LA BL&S101-CJ8086-200	
XT2347 EtchR-CoverLA Red&S101-CJ8106-200	
XT2347 EtchR-Cover LA BU&S101-CJ8026-200	
XT2347 EtchR-Cover EU BL&S101-CJ8087-200	
XT2347 EtchR-CoverEU Red&S101-CJ8107-200	
XT2347 EtchR-Cover EU BU&S101-CJ8027-200	
XT2347 EtchR-Cover UK BL&S101-CJ8088-200	
XT2347 EtchR-CoverUK Red&S101-CJ8108-200	
XT2347 EtchR-Cover UK BU&S101-CJ8028-200	
XT2347 EtchR-Cover RS BL&S101-CJ8089-200	
XT2347 EtchR-CoverRS Red&S101-CJ8109-200	
XT2347 EtchR-Cover RS BU&S101-CJ8029-200	
XT2347 EtchR-CoverUAE BL&S101-CJ808A-200	
XT2347 EtchR-CoverUAE Red&S101-CJ810A-200	
XT2347 EtchR-CoverUAE BU&S101-CJ802A-200	
XT2347 EtchR-Cover TN BL&S101-CJ808B-200	
XT2347 EtchR-CoverTN Red&S101-CJ810B-200	
XT2347 EtchR-Cover TN BU&S101-CJ802B-200	
XT2347 Rear Cover BL&S101-CJ8081-200 CS	
XT2347 Rear Cover Red&S101-CJ8101-200 CS	
XT2347 Rear Cover BU&S101-CJ8021-200 CS	
XT2347 EtchR-Cover BR BL&S101-CJ8085-200	
XT2347 EtchR-CoverBR Red&S101-CJ8105-200	
XT2347 EtchR-Cover BR BU&S101-CJ8025-200	
XT2347 FlashBD Adhesive&M715-CJ8000-007	28

Use the Plastic Tweezer to place and secure the Flash Board Adhesive on the location as shown and peel off the liner.



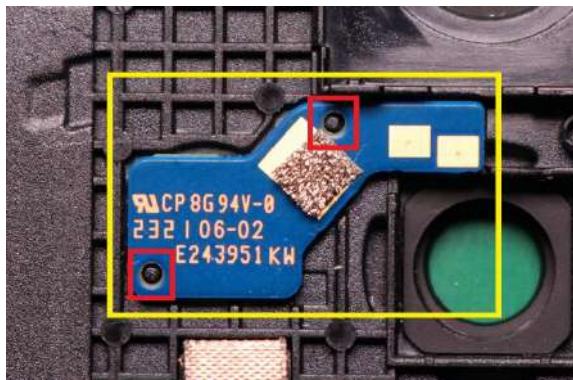
Flash Board Assembly

Description	Reference #
XT2347 EtchR-Cover LA BL&S101-CJ8086-200 XT2347 EtchR-CoverLA Red&S101-CJ8106-200 XT2347 EtchR-Cover LA BU&S101-CJ8026-200 XT2347 EtchR-Cover EU BL&S101-CJ8087-200 XT2347 EtchR-CoverEU Red&S101-CJ8107-200 XT2347 EtchR-Cover EU BU&S101-CJ8027-200 XT2347 EtchR-Cover UK BL&S101-CJ8088-200 XT2347 EtchR-CoverUK Red&S101-CJ8108-200 XT2347 EtchR-Cover UK BU&S101-CJ8028-200 XT2347 EtchR-Cover RS BL&S101-CJ8089-200 XT2347 EtchR-CoverRS Red&S101-CJ8109-200 XT2347 EtchR-Cover RS BU&S101-CJ8029-200 XT2347 EtchR-CoverUAE BL&S101-CJ808A-200 XT2347 EtchR-CoverUAE Red&S101-CJ810A-200 XT2347 EtchR-CoverUAE BU&S101-CJ802A-200 XT2347 EtchR-Cover TN BL&S101-CJ808B-200 XT2347 EtchR-CoverTN Red&S101-CJ810B-200 XT2347 EtchR-Cover TN BU&S101-CJ802B-200 XT2347 Rear Cover BL&S101-CJ8081-200 CS XT2347 Rear Cover Red&S101-CJ8101-200 CS XT2347 Rear Cover BU&S101-CJ8021-200 CS XT2347 EtchR-Cover BR BL&S101-CJ8085-200 XT2347 EtchR-CoverBR Red&S101-CJ8105-200 XT2347 EtchR-Cover BR BU&S101-CJ8025-200	3
ASSY,DTR BRD,Bangkok5G BR IN FLB PLT XT2347 Flash Board&S102-CJ8001-100 CS	27

Use the Plastic Tweezer to place and secure the Flash Board on the location aligning with the pins as shown.

NOTE

Press firmly for seconds 3 times to activate the adhesive.



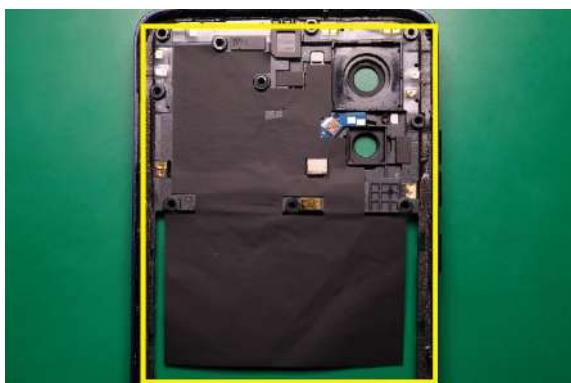
Middle Frame Heat Spreader Assembly

Description	Reference #
XT2347 EtchR-Cover LA BL&S101-CJ8086-200	
XT2347 EtchR-CoverLA Red&S101-CJ8106-200	
XT2347 EtchR-Cover LA BU&S101-CJ8026-200	
XT2347 EtchR-Cover EU BL&S101-CJ8087-200	
XT2347 EtchR-CoverEU Red&S101-CJ8107-200	
XT2347 EtchR-Cover EU BU&S101-CJ8027-200	
XT2347 EtchR-Cover UK BL&S101-CJ8088-200	
XT2347 EtchR-CoverUK Red&S101-CJ8108-200	
XT2347 EtchR-Cover UK BU&S101-CJ8028-200	
XT2347 EtchR-Cover RS BL&S101-CJ8089-200	
XT2347 EtchR-CoverRS Red&S101-CJ8109-200	
XT2347 EtchR-Cover RS BU&S101-CJ8029-200	
XT2347 EtchR-CoverUAE BL&S101-CJ808A-200	
XT2347 EtchR-CoverUAE Red&S101-CJ810A-200	3
XT2347 EtchR-CoverUAE BU&S101-CJ802A-200	
XT2347 EtchR-Cover TN BL&S101-CJ808B-200	
XT2347 EtchR-CoverTN Red&S101-CJ810B-200	
XT2347 EtchR-Cover TN BU&S101-CJ802B-200	
XT2347 Rear Cover BL&S101-CJ8081-200 CS	
XT2347 Rear Cover Red&S101-CJ8101-200 CS	
XT2347 Rear Cover BU&S101-CJ8021-200 CS	
XT2347 EtchR-Cover BR BL&S101-CJ8085-200	
XT2347 EtchR-CoverBR Red&S101-CJ8105-200	
XT2347 EtchR-Cover BR BU&S101-CJ8025-200	
TNM721-CJ8000-001+RH Graphite sheet_DY	-

Use the Plastic Tweezer to place the Middle Frame Heat Spreader on the location as shown and peel off the liner.

NOTE

Press firmly for seconds 3 times to activate the adhesive.



Middle Frame Assembly

Description	Reference #
XT2347 TP LCM&S101-CJ8130-000 CS	1
ASSY,BD KIT,Bangkok5G 8+256 P+E BR PLT XT2347-1 MB 8+256G DS&F00CJ83-000-002 CS XT2347-1 MB 8+256G SS&F00CJ83-000-000 CS XT2347-2 MB 12+256G DS&F00CJ83-000-001CS ASSY,BD KIT,Bangkok5G 12+256 DS P+P IN	2
XT2347 EtchR-Cover LA BL&S101-CJ8086-200 XT2347 EtchR-CoverLA Red&S101-CJ8106-200 XT2347 EtchR-Cover LA BU&S101-CJ8026-200 XT2347 EtchR-Cover EU BL&S101-CJ8087-200 XT2347 EtchR-CoverEU Red&S101-CJ8107-200 XT2347 EtchR-Cover EU BU&S101-CJ8027-200 XT2347 EtchR-Cover UK BL&S101-CJ8088-200 XT2347 EtchR-CoverUK Red&S101-CJ8108-200 XT2347 EtchR-Cover UK BU&S101-CJ8028-200 XT2347 EtchR-Cover RS BL&S101-CJ8089-200 XT2347 EtchR-CoverRS Red&S101-CJ8109-200 XT2347 EtchR-Cover RS BU&S101-CJ8029-200 XT2347 EtchR-CoverUAE BL&S101-CJ808A-200 XT2347 EtchR-CoverUAE Red&S101-CJ810A-200 XT2347 EtchR-CoverUAE BU&S101-CJ802A-200 XT2347 EtchR-Cover TN BL&S101-CJ808B-200 XT2347 EtchR-CoverTN Red&S101-CJ810B-200 XT2347 EtchR-Cover TN BU&S101-CJ802B-200 XT2347 Rear Cover BL&S101-CJ8081-200 CS XT2347 Rear Cover Red&S101-CJ8101-200 CS XT2347 Rear Cover BU&S101-CJ8021-200 CS XT2347 EtchR-Cover BR BL&S101-CJ8085-200 XT2347 EtchR-CoverBR Red&S101-CJ8105-200 XT2347 EtchR-Cover BR BU&S101-CJ8025-200	3
ASSY,DTR BRD,Bangkok5G BR IN SUB PCBA XT2347 Sub Board&S102-CJ8000-000 CS	19
TNM501-211105-023+Screw_3.5L_black_LJT	21
TNM501-211114-016+Screw_LJT	29

1. Use fingers to place the Middle Frame on the location as shown. Install the Middle Frame in the numbered order as shown.

NOTE

Install the Middle Frame onto the Front-Housing. First align the bottom of the Middle Frame, and then buckle the top.

NOTE

Make sure all the buckles are snapped in place.



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2. Use Torque Driver with PH00 Bit to tighten the 16 silver screws (0.8 ± 0.1 kgf-cm) and one black screw (0.8 ± 0.1 kgf-cm) as shown.



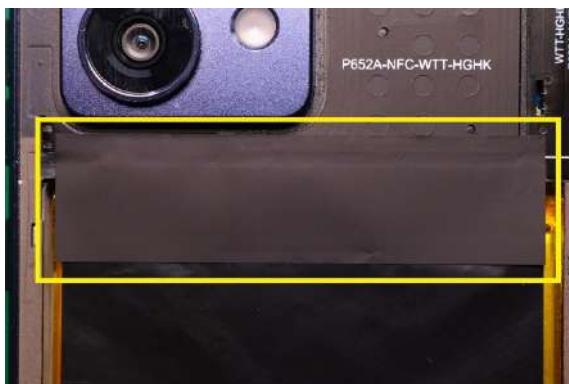
Battery Cover Mylar Assembly

Description	Reference #
XT2347 EtchR-Cover LA BL&S101-CJ8086-200 XT2347 EtchR-CoverLA Red&S101-CJ8106-200 XT2347 EtchR-Cover LA BU&S101-CJ8026-200 XT2347 EtchR-Cover EU BL&S101-CJ8087-200 XT2347 EtchR-CoverEU Red&S101-CJ8107-200 XT2347 EtchR-Cover EU BU&S101-CJ8027-200 XT2347 EtchR-Cover UK BL&S101-CJ8088-200 XT2347 EtchR-CoverUK Red&S101-CJ8108-200 XT2347 EtchR-Cover UK BU&S101-CJ8028-200 XT2347 EtchR-Cover RS BL&S101-CJ8089-200 XT2347 EtchR-CoverRS Red&S101-CJ8109-200 XT2347 EtchR-Cover RS BU&S101-CJ8029-200 XT2347 EtchR-CoverUAE BL&S101-CJ808A-200 XT2347 EtchR-CoverUAE Red&S101-CJ810A-200 XT2347 EtchR-CoverUAE BU&S101-CJ802A-200 XT2347 EtchR-Cover TN BL&S101-CJ808B-200 XT2347 EtchR-CoverTN Red&S101-CJ810B-200 XT2347 EtchR-Cover TN BU&S101-CJ802B-200 XT2347 Rear Cover BL&S101-CJ8081-200 CS XT2347 Rear Cover Red&S101-CJ8101-200 CS XT2347 Rear Cover BU&S101-CJ8021-200 CS XT2347 EtchR-Cover BR BL&S101-CJ8085-200 XT2347 EtchR-CoverBR Red&S101-CJ8105-200 XT2347 EtchR-Cover BR BU&S101-CJ8025-200	3
ACCY,BAT,5000mAh,QB50,LW496584,SUNWODA	10
TNM701-CJ8000-001+Battery mylar_KY	-

Use the Plastic Tweezer to place the Battery Cover Mylar on the location as shown.

NOTE

Press firmly for seconds 3 times to activate the adhesive.



Battery Cover Assembly

Description	Reference #
XT2347 TP LCM&S101-CJ8130-000 CS	1
XT2347 BattCover BL&S101-CJ8083-300 CS	
XT2347 BattCover Red&S101-CJ8103-300 CS	
XT2347 BattCover BU&S101-CJ8023-300 CS	4
XT2347 BattCover BL IN&S101-CJ8084-300	
XT2347 BattCover Red IN&S101-CJ8104-300	
XT2347 BattCover BU IN&S101-CJ8024-300	
XT2347 BattCoverAdhesive&M715-CJ8000-010	30

1. Peel off the colorless liner. Use the Plastic Tweezer to position the Battery Cover Adhesive on the Battery Cover Adhesive Alignment as shown.



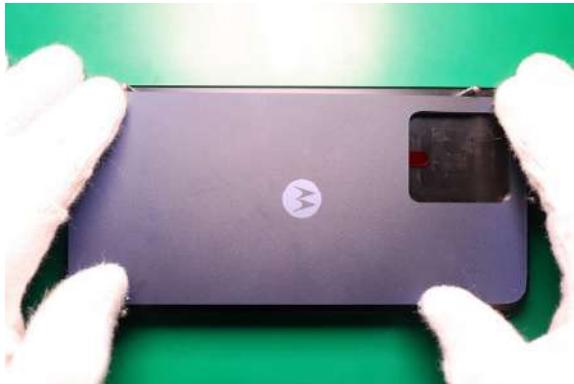
2. Use fingers to place the Battery Cover on the Battery Cover Adhesive Alignment as shown.



3. Use fingers to press down the Battery Cover with the Battery Cover Adhesive Alignment as shown.

NOTE

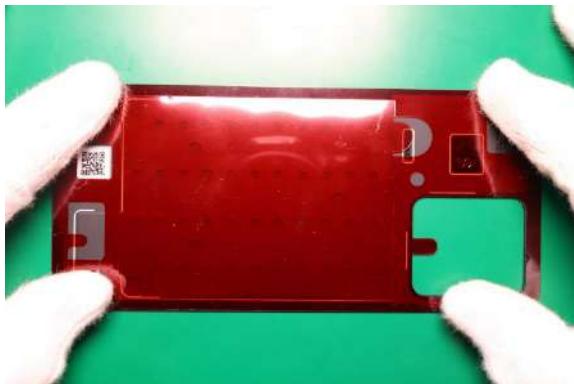
Make sure to press the Battery Cover and the alignment at the same time.



4. Use fingers to press the surrounding Battery Cover Adhesive 3 times to activate it as shown and peel off the red liner.

NOTE

The Battery Cover needs to be pre-pressed 3 times along the back-adhesive area by hand in case the adhesive was removed with the liner.



5. Use fingers to place the Battery Cover on the Front-Housing as shown.



6. Power on pneumatic press system by press power switch to "ON" position.

NOTE

Please read pneumatic press system user manual prior to operation.

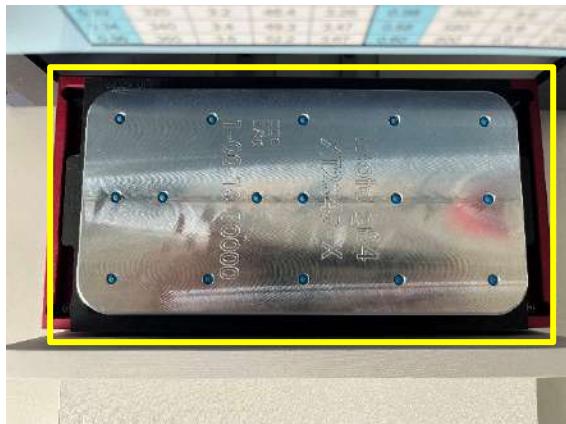


7. Pull out press drawer from chamber and place the phone onto the base rubber pad in pneumatic press system as shown.



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8. Place the Inlay press fixture on top of the phone as shown.



9. Push the press system drawer into the chamber and set program to No.7 by press "Program" button repeatedly, check the "Pressure" (Mpa) shows "0.34" and "Time" (sec) shows "30" as shown.



10. Press both of "Start" on the left and right side to initiate press process. Wait 30 seconds until process is finished.

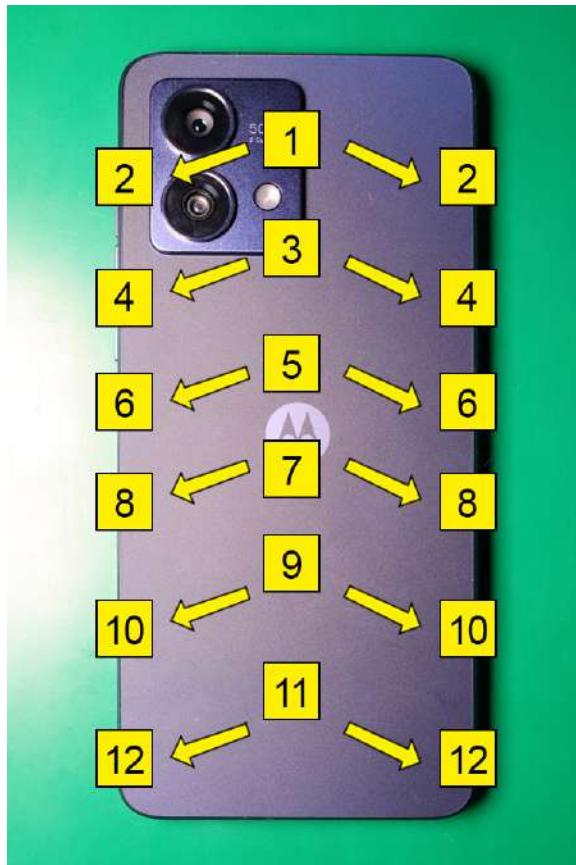


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11. Pull out the drawer from the press chamber, remove the Inlay press fixture, then take out the phone.



12. Apply manual pressure to the Battery Cover as follows:
 13. Place both thumbs on point 1 (in middle of the Battery Cover) and slide them out to point 2.
 14. Place both thumbs on point 3 and slide them out to point 4.
 15. Place both thumbs on point 5 and slide them out to point 6.
 16. Place both thumbs on point 7 and slide them out to point 8.
 17. Place both thumbs on point 9 and slide them out to point 10.
 18. Place both thumbs on point 11 and slide them out to point 12.



19. Place both thumbs on point 1 and slide them around the perimeter of the Battery Cover to point 2. Use fingers to press around the perimeter of the Camera bezel point 3 as shown.



IMEI Label Assembly

<i>Description</i>	<i>Reference #</i>
TNEI30-CJ8081-000+SIM tray_SS_space_HXD TNEI30-CJ8101-000+SIM tray_SS_magenta_HXD TNEI30-CJ8021-000+SIM tray_SS_blue_HXD TNEI30-CJ8080-000+SIM tray_DS_space_HXD TNEI30-CJ8100-000+SIM tray_DS_magenta_HX TNEI30-CJ8020-000+SIM tray_DS_blue_HXD	14
TNP316-CBR000-000+label double layer_LHL	-

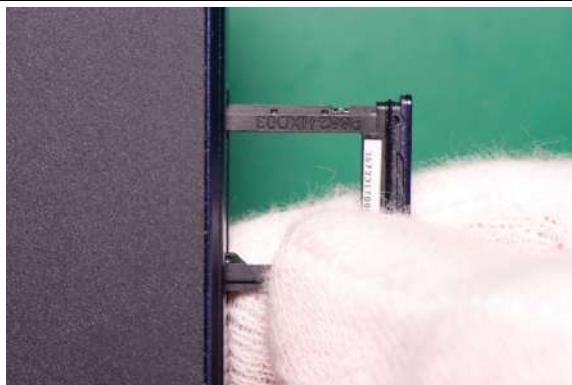
Use the Plastic Tweezer to place the IMEL Label on the location as shown.



Sim Tray Assembly

<i>Description</i>	<i>Reference #</i>
XT2347 TP LCM&S101-CJ8130-000 CS	1
TNEI30-CJ8081-000+SIM tray_SS_space_HXD TNEI30-CJ8101-000+SIM tray_SS_magenta_HXD TNEI30-CJ8021-000+SIM tray_SS_blue_HXD TNEI30-CJ8080-000+SIM tray_DS_space_HXD TNEI30-CJ8100-000+SIM tray_DS_magenta_HX TNEI30-CJ8020-000+SIM tray_DS_blue_HXD	14

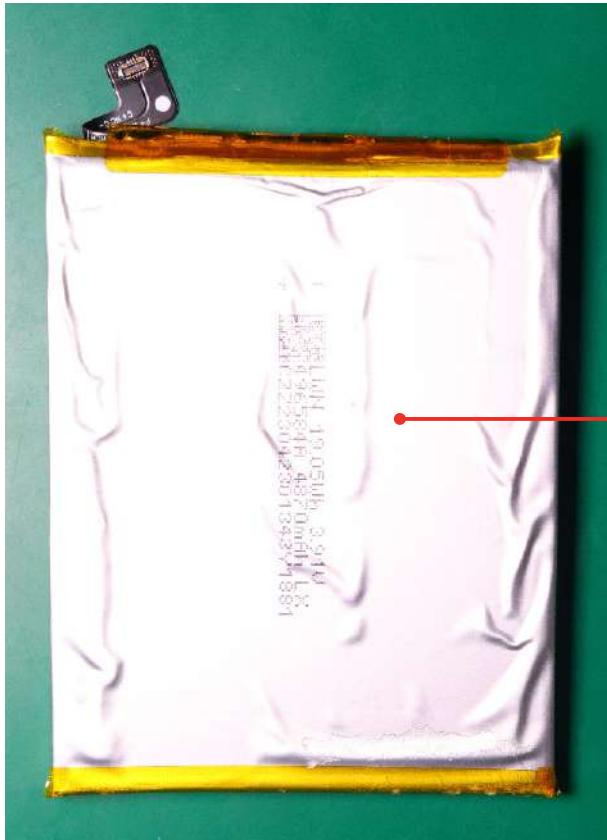
1. Insert the SIM Tray in the transceiver as shown.



2. Use fingers to press the SIM Tray until it secures into the transceiver.

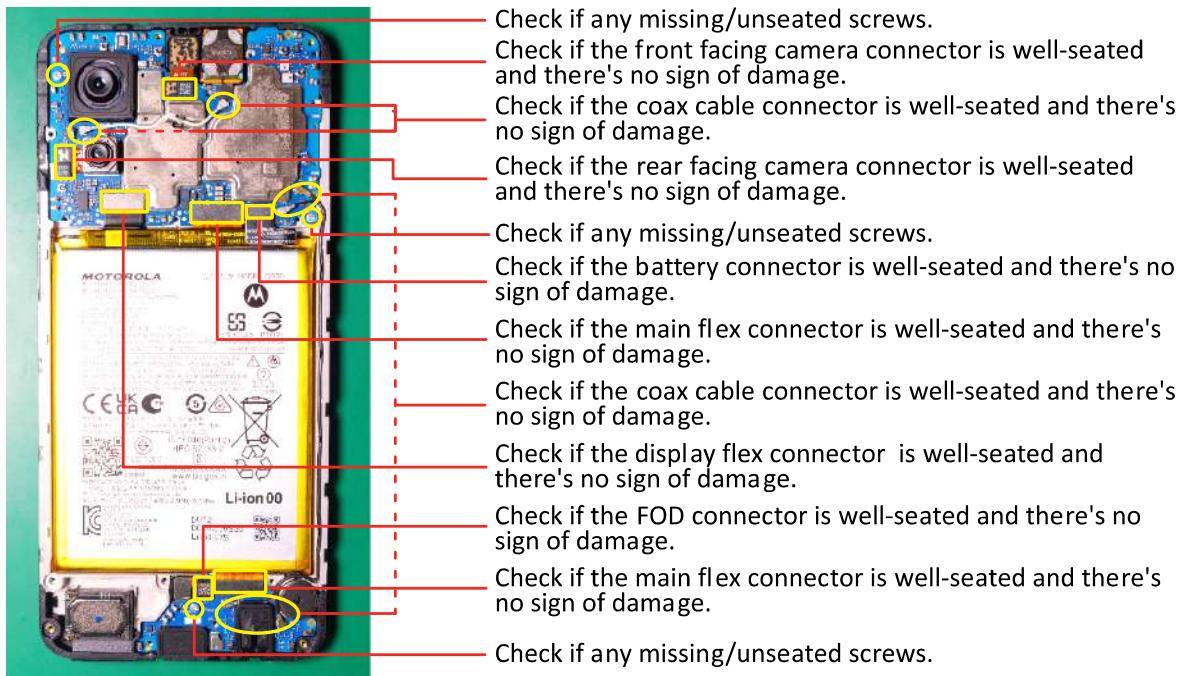
ASSEMBLY QUALITY CHECK

Battery Quality Check



Check if battery adhesive is reused or with residue from the old one

Connector Quality Check



Screws Quality Check



Check if any missing/unseated screws.

Check if any missing/misaligned heat spreader.

Check if any missing/unseated screws.

FOD CALIBRATION

NOTE

Use LMST (Motorola Software Test Tool) to perform the FOD calibration with the tool.

For the manual FOD calibration, follow below processes:

1. Open the phone Dial Screen.

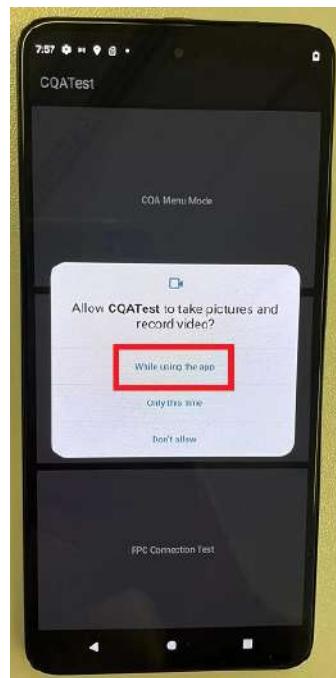


2. Enter *#*#2486#*#* on the Dial Pad and press Call.



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3. Select Allow to all pop-ups.

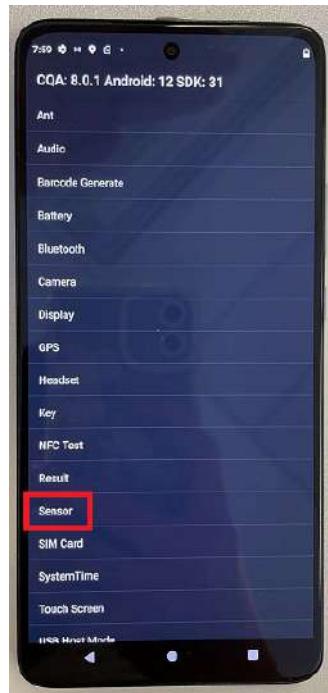


4. Select the CQA Menu Mode.



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5. Scroll down and select Sensor from the options.



6. Select Fingerprint Egis Fod SMTP from the options.



7. Press Start.



8. Press Next.



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9. Put the large Peach Pad and select Next on the screen. Cavity face down.



10. Notification should be as follows and then select Next.



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11. Place the Black Pad and select Next on the screen. Cavity face down.



12. Notification should be as follows and then select Next.



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13. Place the small Peach Pad and select Next on the screen. Stripes face down and horizontal.



14. Calibration results should be as follows and then Exit.



BATTERY SAFETY GUIDELINES

Handle Battery with care. If the Battery Pack is dropped to the floor, it may be internally damaged and must be scrapped.

Ensure all surfaces, fixtures, and phone components contacting the Battery are smooth and clean.

Ensure Battery and its insulation are not damaged (e.g., scratched, dented, punctured) prior to and throughout assembly.

Prior to assembly, ensure Battery edges and surfaces are not dented or deformed, and that fixtures and parts that will contact the Battery are free of foreign material.

Ensure screws or screwdrivers or any sharp tools do not contact the Battery.

Failure to adhere to Safety Critical Note(s) may increase risk of rupture, burning, or failure to function safely when used by the customer.

Batteries should be handled with care to avoid damage to the cell (example: scratch, dent, puncture), insulation or protective circuit.

Mishandling or contact with foreign material may increase risk of swelling, rupture, burning, or other failure to function safely when used by the customer.

Do not puncture, deform, crush, or disassemble battery.

Do not shorten the connector leads, do not submerge in water, or expose to extreme temperatures.

If battery pack has leaking fluids, do not touch any fluids.

BROKEN GLASS HANDLING GUIDE

Important

The displays and some of inlay are made of glass. The glass could break if the phone is dropped on a hard surface, receives a substantial impact, or is crushed, bent, or deformed.

Cautions and Warnings

Don't attempt to remove chipped or cracked glass shards.

Put on safety glasses with side shields and the cut-resistant gloves.

Use a vacuum cleaner to remove glass pieces from your workspace and phone.