

Working Instructions

- mechanical -



Xperia™ E5
F3311, F3313

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**For general information about mechanical repair related issues, refer to
1220-1333: Generic Repair Manual - mechanical**

Always firstly disconnect the Battery connector to cut off power supply when the Battery Cover Assy is disassembled.

Always finally connect the Battery connector before the Battery Cover Assy is reassembled.

If there are no special indications of 'F3311 or F3313', F3311 and F3313 share the same repair method as common sections, whose pictures are used with F3311.

In order to make the repair time and cost saving, some parts replacement do not need to follow disassembly and reassembly orders in sequence, so the reference information of those parts replacement will skip some chapters, such as

'Follow the 4.1 – 4.4 and 4.8 – 4.9 Disassembly instructions!

Follow the 5.26 and 5.38 Removal instructions!

Prepare a new Rubber Sub PBA BTB Connector.

Follow the 5.26 and 5.38 Installation instructions!

Follow the 6.1 – 6.2 and 6.6 – 6.9 Reassembly instructions!'

And notice the pictures shown in some replacement chapters are screen shots from the repair movie which is according to the disassembly and reassembly orders, so please only focus on the removal and installation actions of those parts when referring to the pictures

Battery cannot be reused once disassembled. And always Do not damage the Battery when repair! Before assemble the Battery Cover Assy carefully check the followings. If it is fail, Scrap the Battery.

- **Check if the Battery has any physical damages such as deformed, bent, dent, dimple, bubbles, swelled, pinholes, punctures, wrinkles, and so on. If the Battery has damages, scrap the Battery.**
- **Remove any foreign materials from the battery surface by cloth wiping or pressure air. If any foreign materials are stuck on the battery permanently and could not be removed, scrap the Battery.**

Battery Handling Notices:

1. **Don't damage the battery foil with sharp objects.**
2. **Don't twist or deform the battery in any way.**
3. **If the battery is dropped to floor, should not be used, and scrap.**
4. **Hold the battery at the frame edges of battery.**

1 Exterior Views

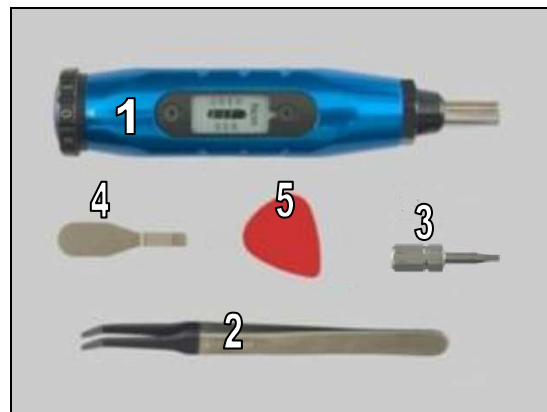
1.1 F3311/F3313



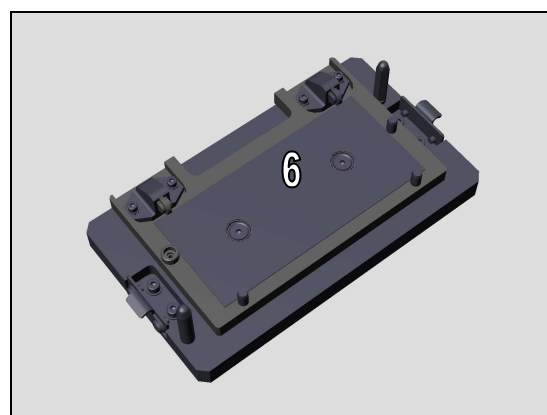
2 Tools

SPECIAL TOOLS

1. Torque Screwdriver
2. Flex Film Assembly Tool
3. Bits T5
4. Front Opening Tool
5. Guitar Pick



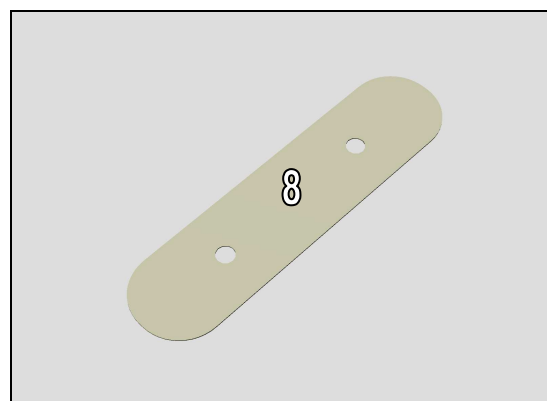
6. Rear Panel Press Tool Bottom (1302-7285)



7. Rear Panel Press Tool Top Inlay (1302-7542)



8. Flexible Disassembly tool (1284-7796)



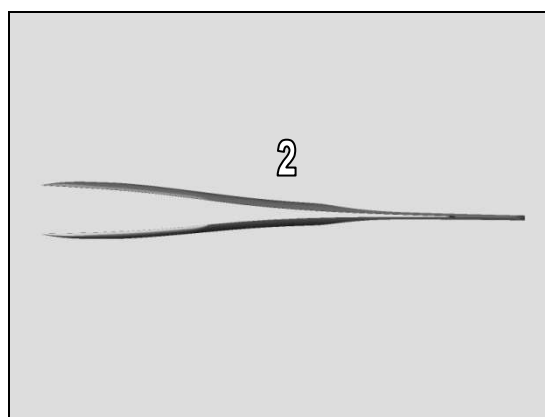
Tools

STANDARD TOOLS

1. Pointed Plastic Tweezers



2. Blunt flat-tip Plastic Tweezers



3. Suction cup



For part no's on the tools above, refer to the 'Tools Catalogue/Matrix'!

3 Mandatory Replacement Parts List

The Mandatory Replacement Parts List is embedded.
Click the icon to open the file.



Targeted replacement parts are listed

Mandatory replacement part	SPACE	Refurbish	Target replacement part													
			Battery 00 mAh	Fingerprint Sensor Module Assy	FPC Key Module	FPC Top Module (Audio Jack)	FPC USB Assy	Front Assy	Loud Speaker (Bottom)	Loud Speaker (Top)	FICTIVE Front Camera (Front)	Panel Rear Sub Assy	PBA Complete	PBA Sub	FICTIVE Camera 24.5M (Main Camera)	Liquid Indicator
Adhesive Battery	1300-0069	2	2	2	2	2	2	2	2	2						
Adhesive Plate SPK	1301-3647	1		1	1			1	1							
Adhesive WR Audio Jack	1301-1010	1			1			1								
Adhesive WR FPC Speaker	1300-0059	1	1	1	1	1	1	1	1	1			1	1		
Adhesive WR Holder Speaker	1300-0064	1	1	1	1	1	1	1	1	1			1	1		
Adhesive WR Light Guide LED	1300-0021	1						1		1						
Adhesive WR Panel Rear	1300-0089	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Adhesive WR Speaker (Top speaker)	1300-0041	1						1								
Adhesive WR Speaker (Bottom Speaker)	1303-0558	1						1	1							
Battery 2700 mAh	1300-3513		1													
Cap Tray Assy Black	1302-3708															
Cap Tray Assy White	1302-3709															
Cap Tray Assy Lime	1302-3710															
Cap Tray Assy Rose	1302-3711															
Cap Tray Assy DS Black	1302-3713															
Cap Tray Assy DS White	1302-3714															
Cap Tray Assy DS Lime	1302-3715															
Cushion Assy	1292-9994									1						
Cushion PBA Mic 1st	1300-0047												1			
Cushion PBA Mic 2nd	1300-0048												1			
Cushion PBA USB	1301-1668												1			
FICTIVE Camera 24.5M (Main Camera)	1293-8229														1	
FICTIVE Front Camera (Front Camera)	1299-4015										1					
FP Sensor Assy	1302-3718	1		1												
FPC Assembly USB	1299-3662						1									
FPC Key Module Assy	1299-3660				1											
FPC Top Module Assy (Audio Jack)	1299-3661	1				1										
Front Assy Black	1302-3671															
Front Assy White	1302-3675							1								
Front Assy Lime	1302-3669	1														
Front Assy Rose	1302-3668															
Label MoP	1298-7979	1											1			
Label NFC	1298-6684	1						1								
Liquid Indicator	1275-3307						1									1
Loudspeaker (Top Speaker)	1287-2024	1					0	1	0	1						
Panel Rear Sub Assy Black	1300-1415															
Panel Rear Sub Assy White	1300-1416															
Panel Rear Sub Assy Lime	1301-3311	1										1				
Panel Rear Sub Assy Rose	1301-3312															
PBA Complete													1			
Plate Holder Key Ant	1300-0020				1											
Plate Jk	1300-0050	1		1	1			1	1							
Plate Speaker	1300-0061	1			1				1							
Screw M1.2X2.5	1301-5369	1	1	1	1	1	1	1	1	1			1	1		1
Screw M1.4X3.2	1292-4308	5	5	5	5	5	5	5	5	5	5		5	5	5	5
Sheet Guide MoP	1298-2803	1														
Sheet Spacer RF	1300-0048												1			
Sheet WRT Test	1300-0067	1						1								
Speaker (Bottom Speaker)	1277-7135	1						1	1							
Sub PBA	1299-7823													1		
WGF Applying		1						1								

Mandatory replacement parts for refurbishment.

Parts that is required to replace in addition to target replacement parts.

Number in the cells indicates parts require replacing for target part.

4 Disassembly

The F3311/F3313 disassembly is done in the following order:

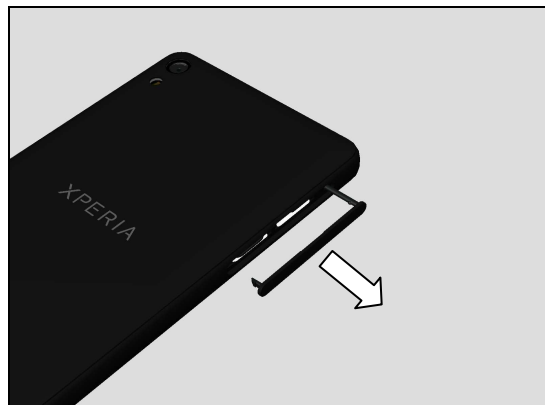
1. SIM Tray Single
2. Battery Cover Assy
3. Adhesive Div Antenna Assy_Back
4. Adhesive Main Antenna Speaker Assy
5. Div Antenna Assy
6. Main PBA
7. Adhesive Rubber Front Camera
8. Main Antenna Speaker Assy(a) and Display Cover Assy(b)
9. Adhesive Sub PBA



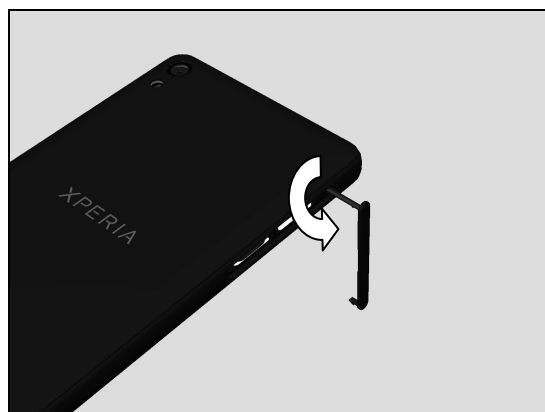
Disassembly

4.1 SIM Tray Single

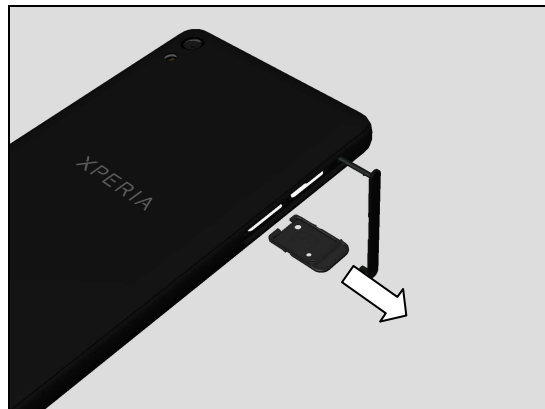
Open the Cap SIM/SD.



Turn the Cap SIM/SD.



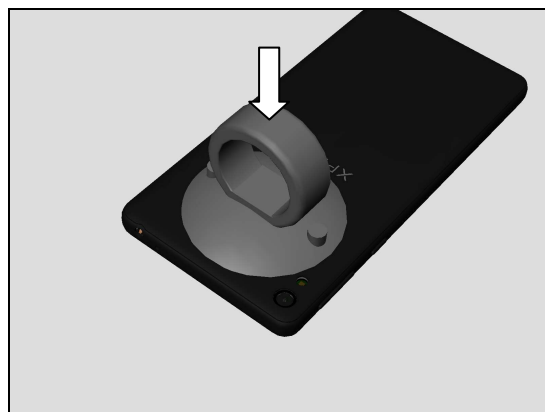
Remove the SIM Tray Single with fingers.



4.2 Battery Cover Assy

Apply the Suction Cup onto the upper left part of the Battery Cover Assy as shown in picture.

Note! Apply the Suction cup as close to the flash lens as possible.

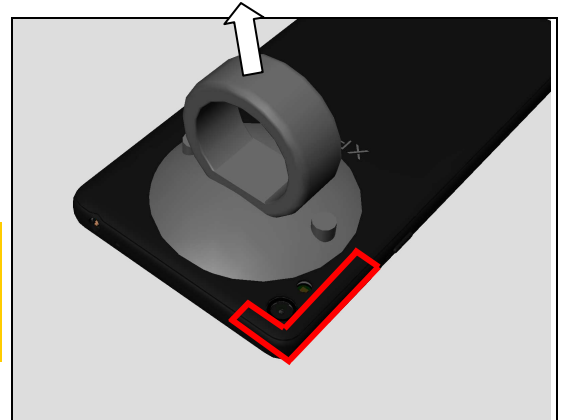


Disassembly

Pull the Suction Cup slowly to unsnap the upper left hooks of the Battery Cover Assy as shown in picture, or at least to get space for inserting the Flexible Disassembly tool to unsnap the hooks.

Note! It is easier and safer to disassemble the Battery Cover Assy firstly from upper left corner.

Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.

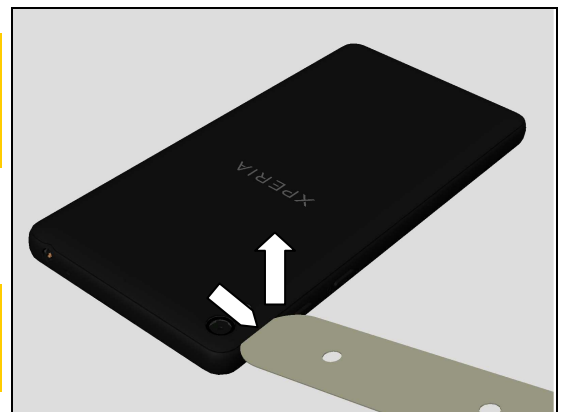


Note! When unsnap the hooks of the Battery Cover Assy in the following actions, sharpen the edge of the Flexible Disassembly tool if the space is too small for inserting.

Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

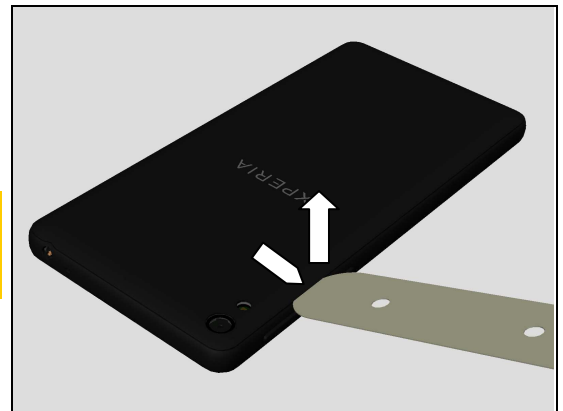
Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.



Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

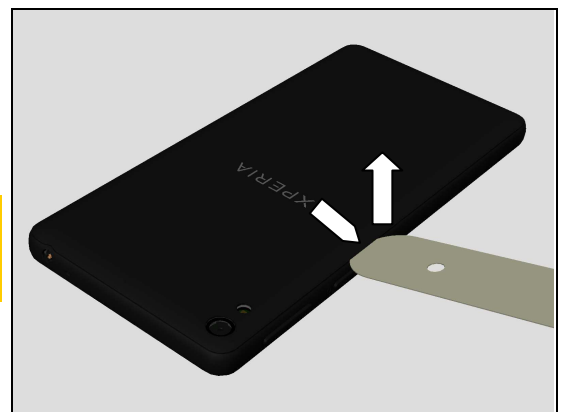
Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.



Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.

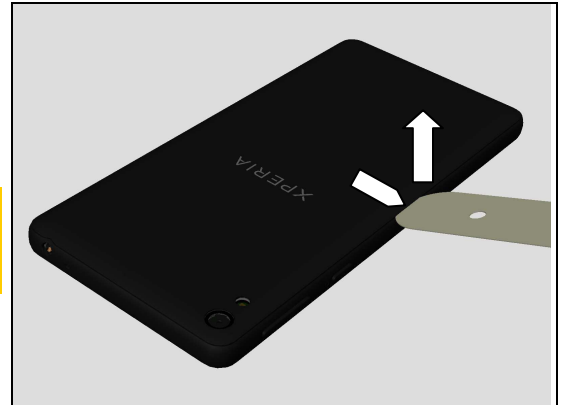


Disassembly

Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

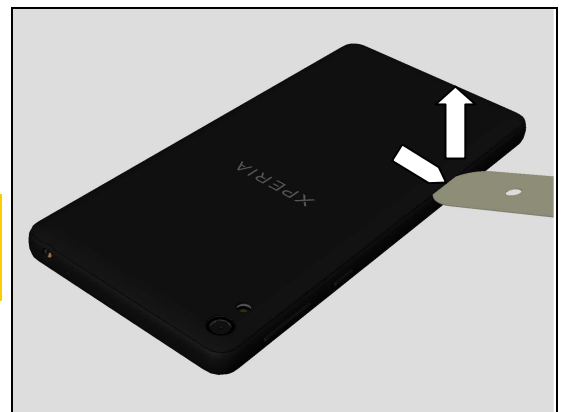
Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.



Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

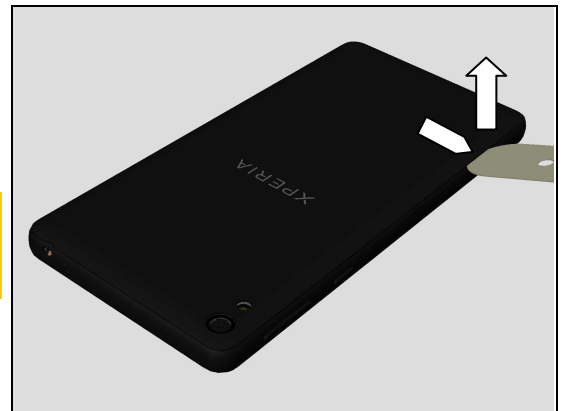
Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.



Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.



Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.

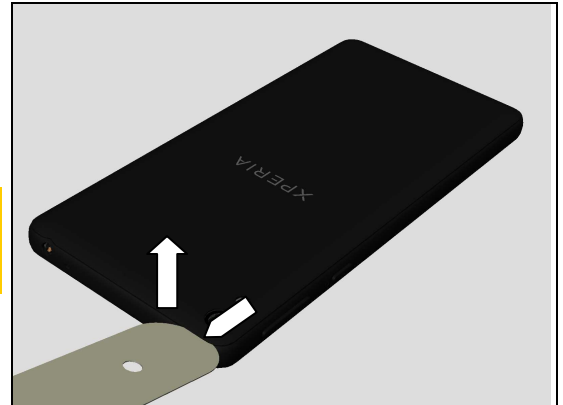


Disassembly

Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

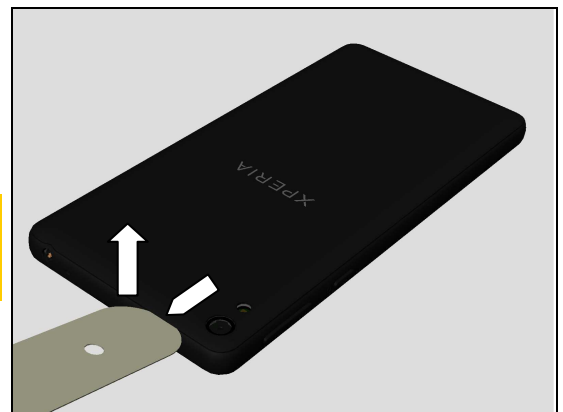
Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.



Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

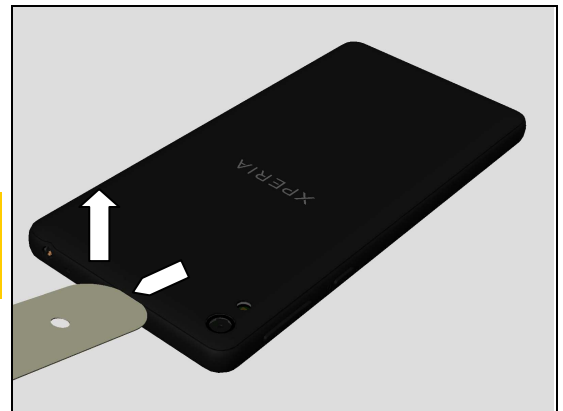
Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.



Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

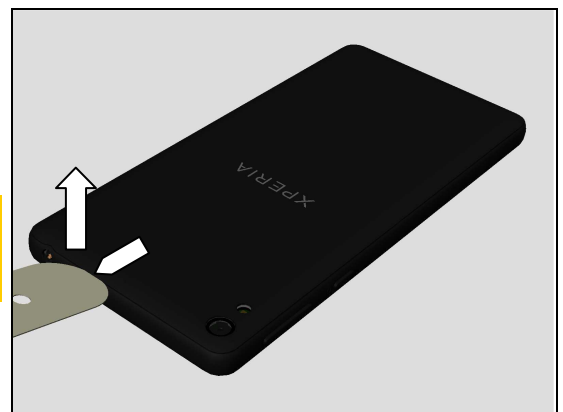
Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.



Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.



Disassembly

Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

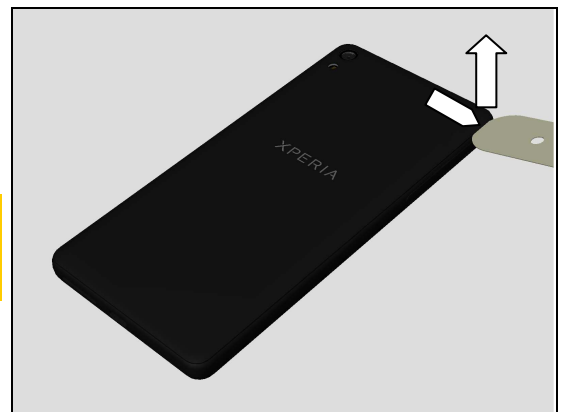
Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.



Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

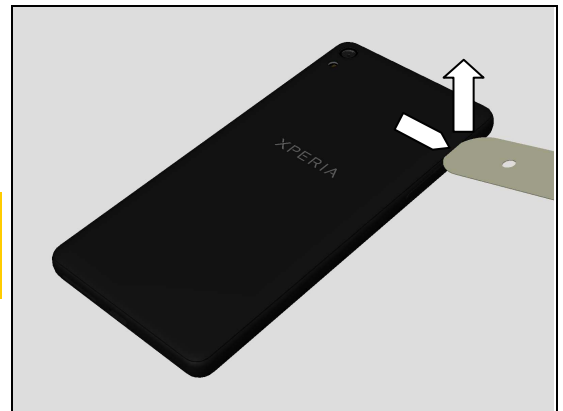
Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.



Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

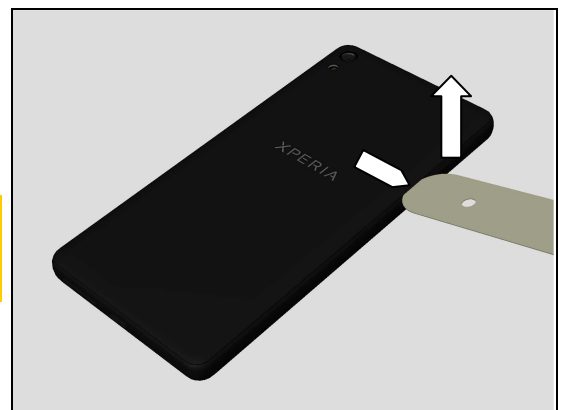
Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.



Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.

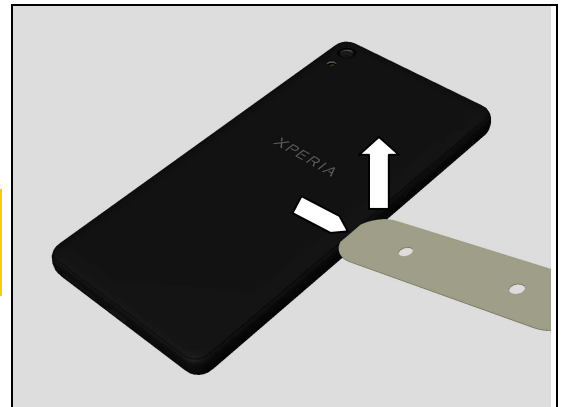


Disassembly

Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

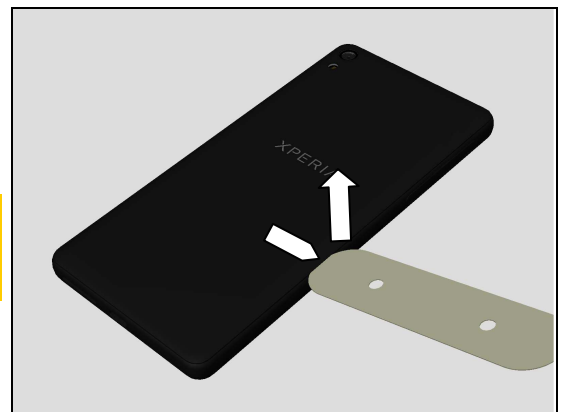
Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.



Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

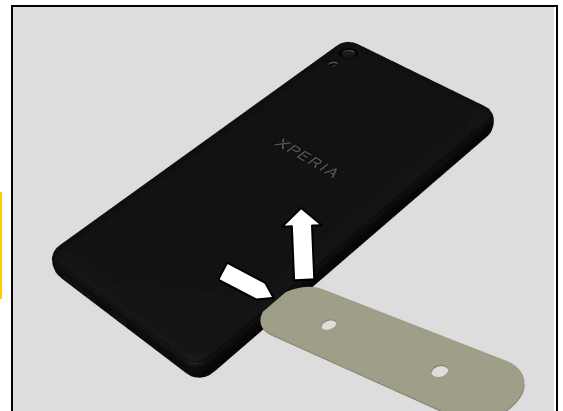
Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.



Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

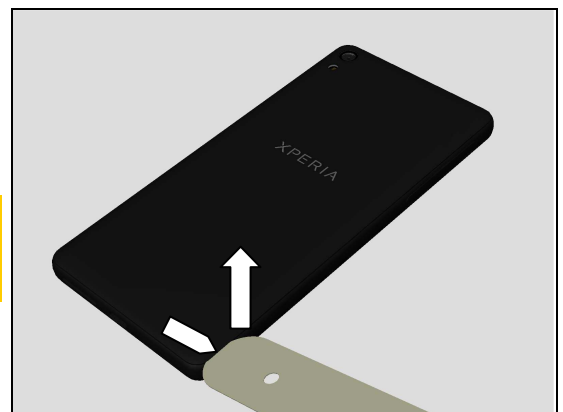
Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.



Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.

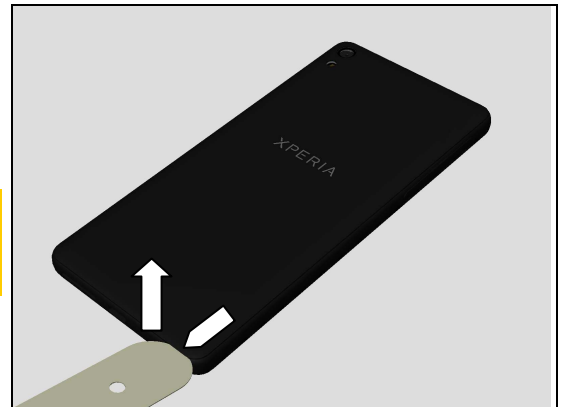


Disassembly

Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.



Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

Note! Do not damage the hook.

Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.



Insert the Flexible Disassembly tool to unsnap this hook as shown in picture.

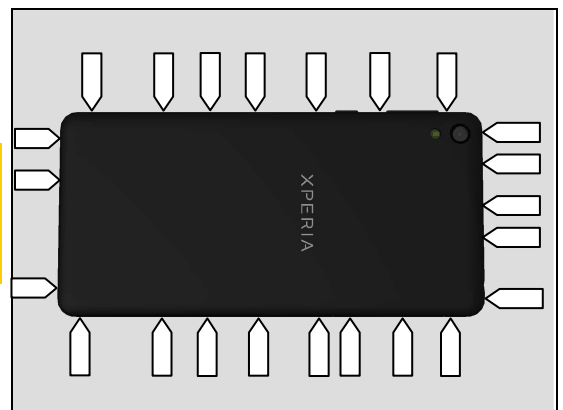
Note! Do not damage the hook.

Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.



The positions of all the Battery Cover Assy hooks as shown in picture.

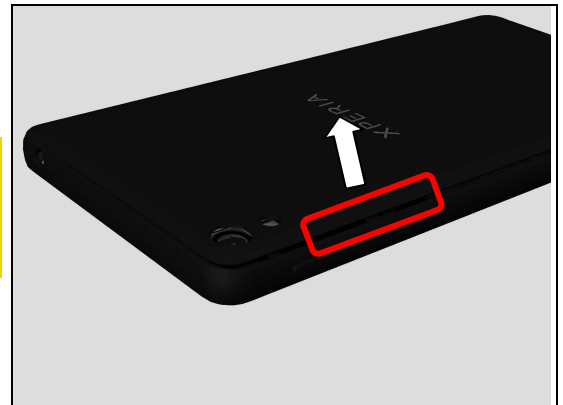
Note! The sequence of unsnapping the hooks: 1) left side, 2) top side, 3) right side, 4) bottom side.



Disassembly

Detach the Battery Cover Assy FIRSTLY from this area as shown in picture by fingers.

Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.

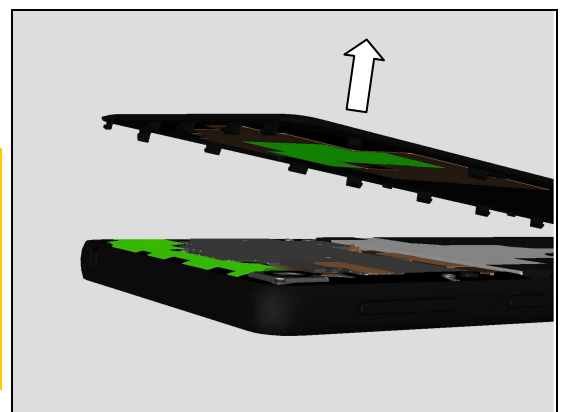


Hold the Battery Cover Assy by fingers.

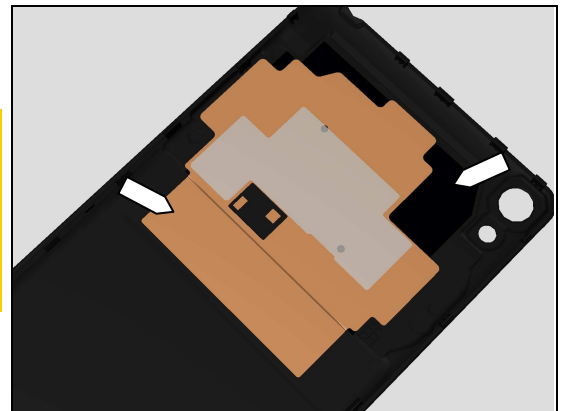
Slowly detach the NFC Adhesive area and the Adhesive Div Antenna Assy_Back area.

Note! When detaching the thumb must firstly hold the Copper Foil Battery Cover, as the NFC Adhesive is detached from shielding can lid gradually and slowly, then hold the NFC Adhesive area, the thumb movement is along with the detaching direction.

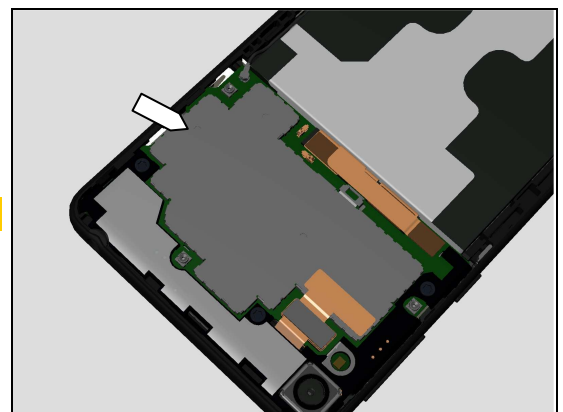
Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.



Note! Please strictly follow above disassembly instructions, holding Copper Foil Battery Cover area and NFC Adhesive area when detaching will greatly lower the risk of the NFC Antenna detached or damaged, Copper Foil Battery Cover detached or wrinkled,



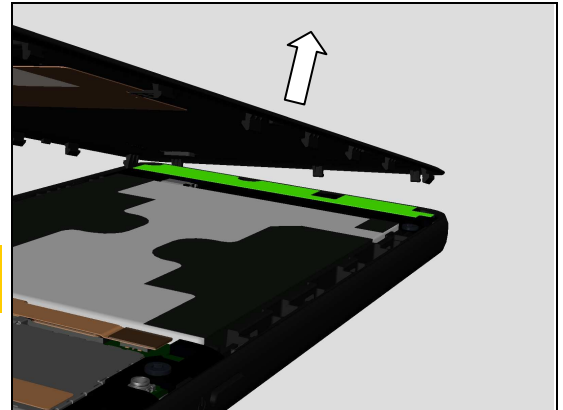
and shielding can lid deformed after disassembly.



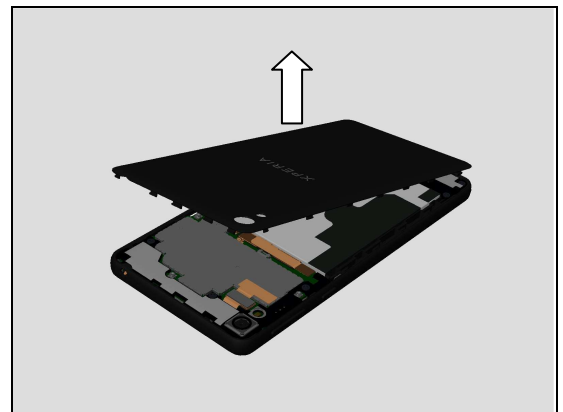
Disassembly

Then hold the lower part of the Battery Cover Assy by fingers.
Slowly detach the Adhesive Main Antenna Speaker Assy area.

Note! During this action the Battery Cover Assy may deform to some extent, if not damaged it can be reused.

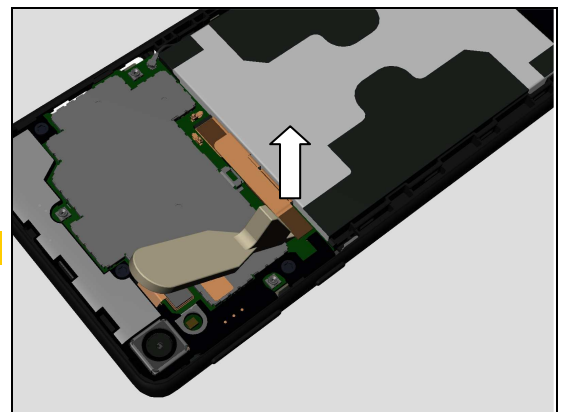


Remove the Battery Cover Assy.



Disconnect the Battery connector by using the Front Opening Tool.

Do not damage components on the Main PBA!

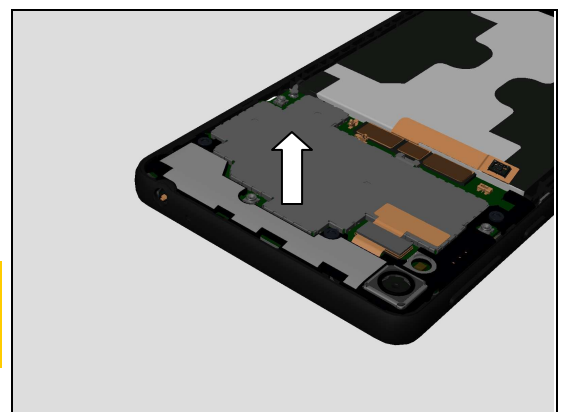


4.3 Adhesive Div Antenna Assy_Back

Detach the Adhesive Div Antenna Assy_Back.

Scrap! Not to be reused!

Make sure all remaining adhesive residue on the FPC have been removed!



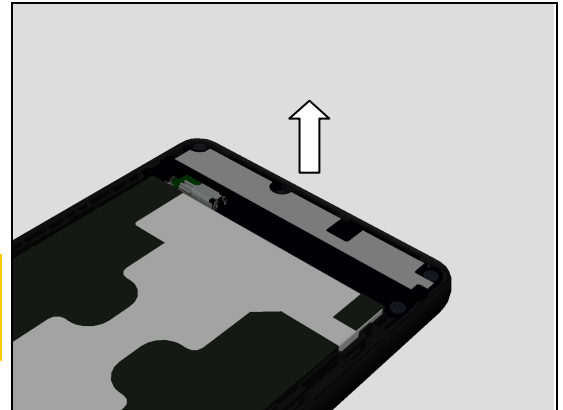
Disassembly

4.4 Adhesive Main Antenna Speaker Assy

Detach the Adhesive Main Antenna Speaker Assy.

Scrap! Not to be reused!

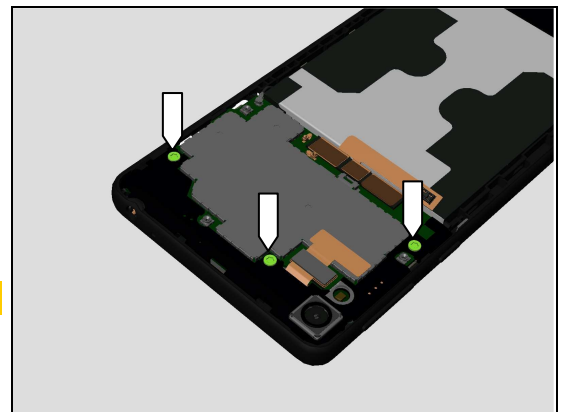
Make sure all remaining adhesive residue on the FPC have been removed!



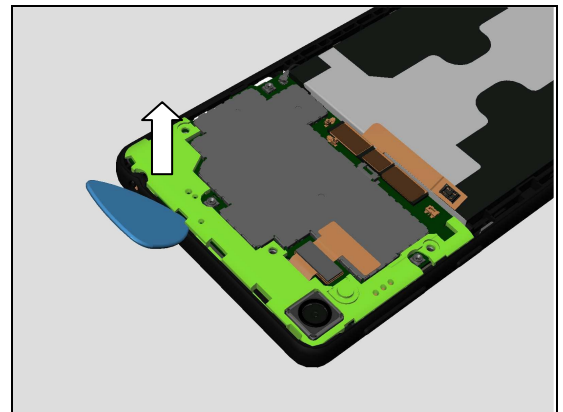
4.5 Div Antenna Assy

Remove the three Screw TORX M1.6 L3 Black by using a screwdriver with Bits T5.

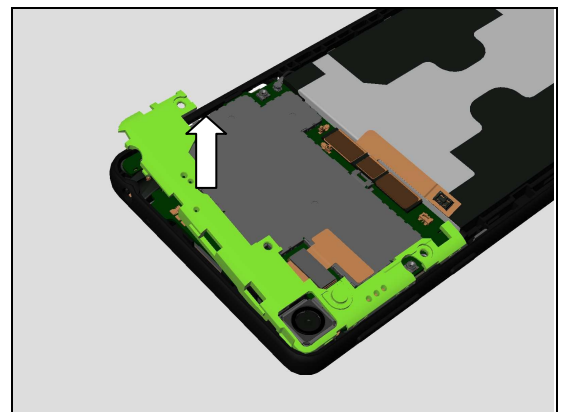
Scrap! Not to be reused!



Release the Div Antenna Assy firstly from this position by using Guitar Pick as shown in picture.

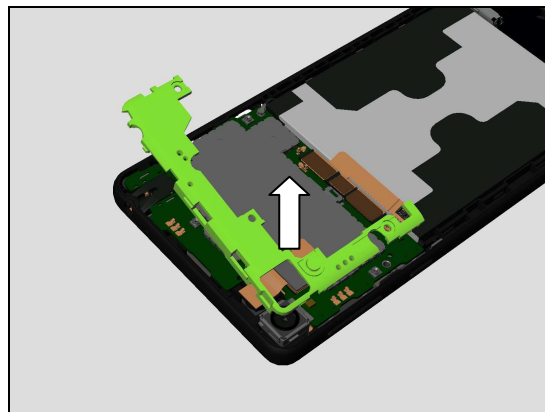


Lift up the Div Antenna Assy to release it.



Disassembly

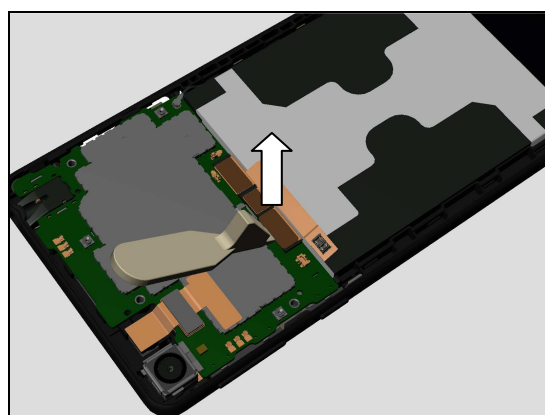
Remove the Div Antenna Assy.



4.6 Main PBA

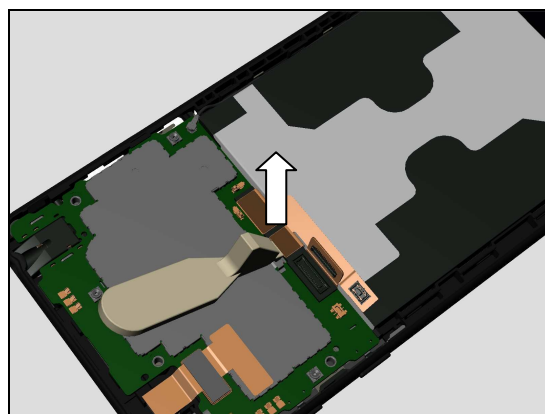
Disconnect the connector of the Main PBA_Sub PBA FPC by using the Front Opening Tool.

Do not damage components on the Main PBA!



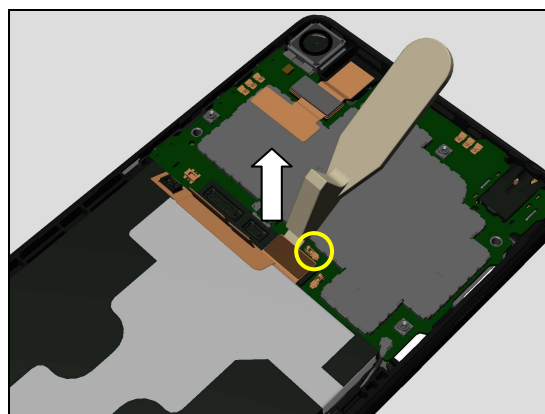
Disconnect the connector of the touch panel by using the Front Opening Tool.

Do not damage components on the Main PBA!



Disconnect the connector of LCM by using the Front Opening Tool.

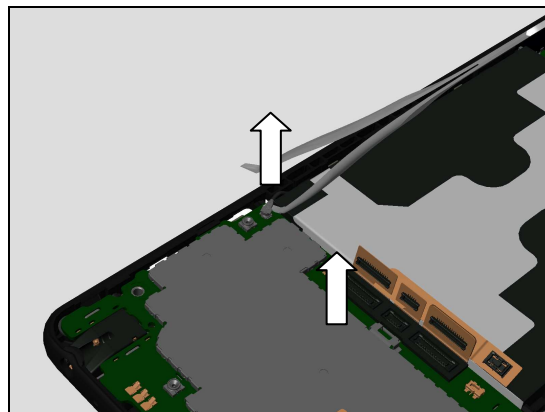
Do not damage components and contact spring on the Main PBA!



Disassembly

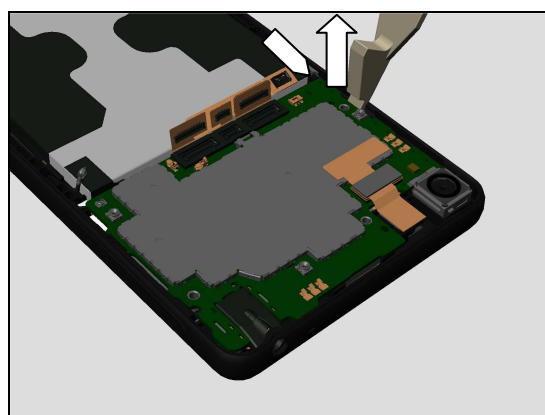
Disconnect the RF connector by using the Flex Film Assembly Tool.

Do not damage components on the Main PBA!

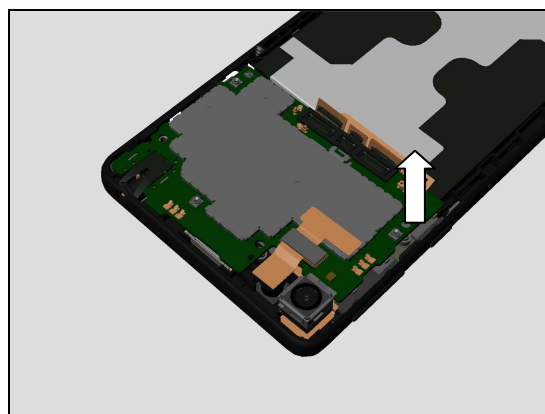


Unsnap this hook by using the Front Opening Tool as shown in picture.

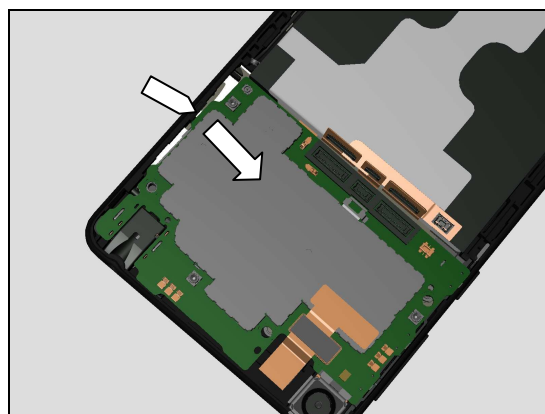
Do not damage components on the Main PBA!



Lift up this side of the Main PBA as shown in picture.

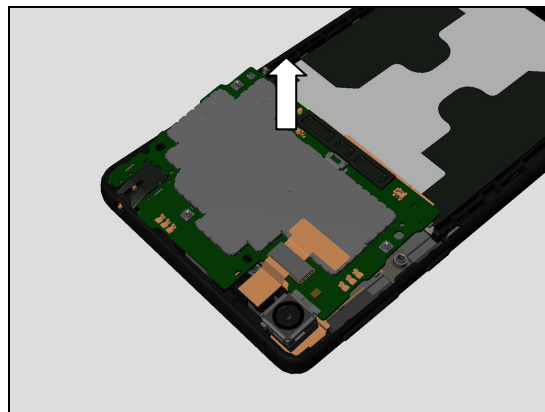


Turn the Main PBA a little to release it from SIM/SD hole as shown in picture.

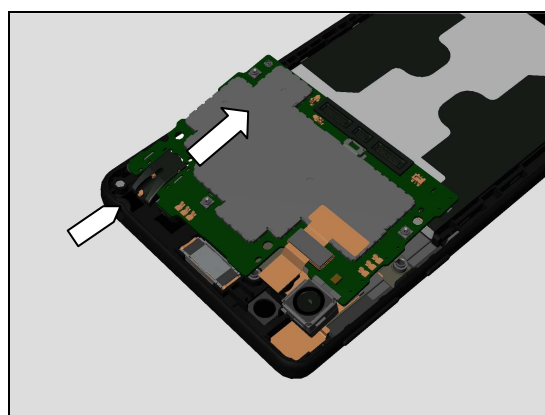


Disassembly

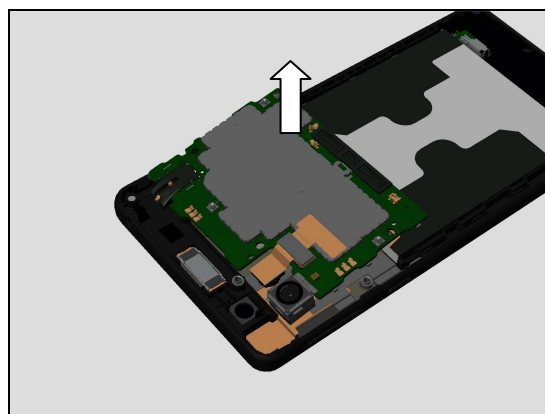
Lift up this side of the Main PBA as shown in picture.



Release Audio Jack from Display Cover Assy as shown in picture.



Remove the Main PBA.

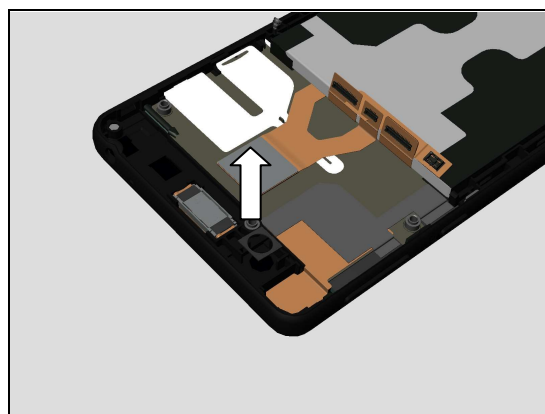


4.7 Adhesive Rubber Front Camera

Detach the Adhesive Rubber Front Camera by using plastic tweezers.

Scrap! Not to be reused!

Be careful! Do not damage the touch panel.



Disassembly

4.8 Main Antenna Speaker Assy(a) and Display Cover Assy(b)

Remove the four Screw TORX M1.6 L3 Black by using a screwdriver with Bits T5.

Scrap! Not to be reused!

Insert the blunt-tip plastic tweezers at this position as shown in picture between the Main Antenna Speaker Assy and the Display Cover Assy.

Unsnap this hook as shown in picture.

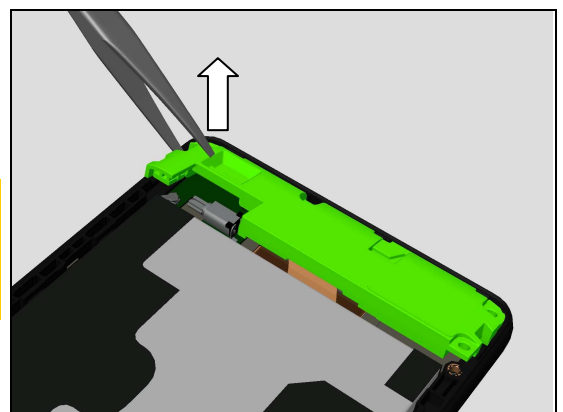
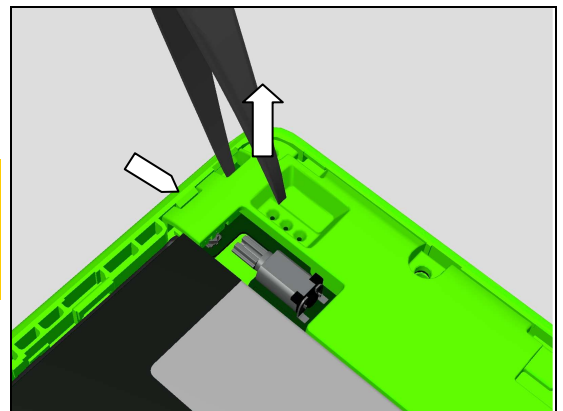
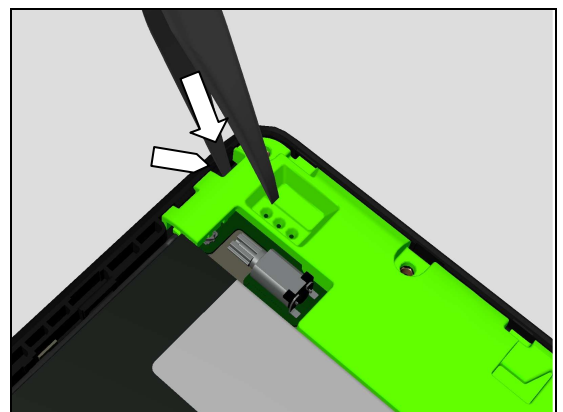
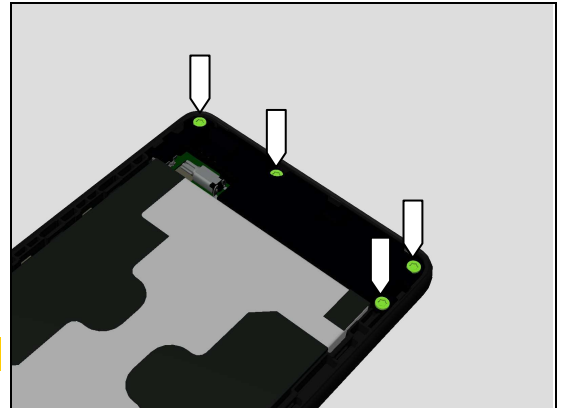
Note! The hook may be pretty tight, it may need to unsnap two or three times.

Be careful! Do not damage the cosmetic area of the Display Cover Assy when unsnapping!

Unsnap the Main Antenna Speaker Assy as shown in picture.

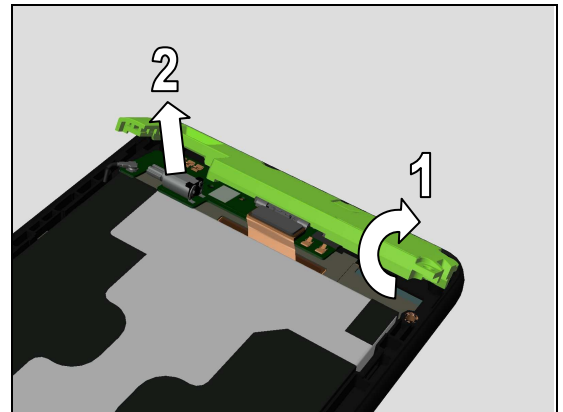
Be careful! Do not damage the cosmetic area of the Display Cover Assy when unsnapping!

Be careful! Do not damage the components on the Sub PBA!

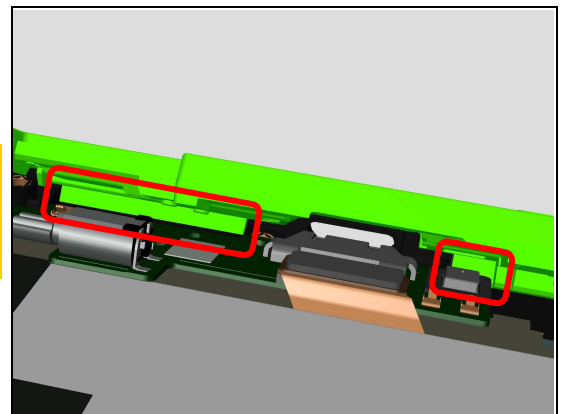


Disassembly

Rotate the Main Antenna Speaker Assy (1) to make the Sub PBA Assy move accordingly (2) as shown in picture.

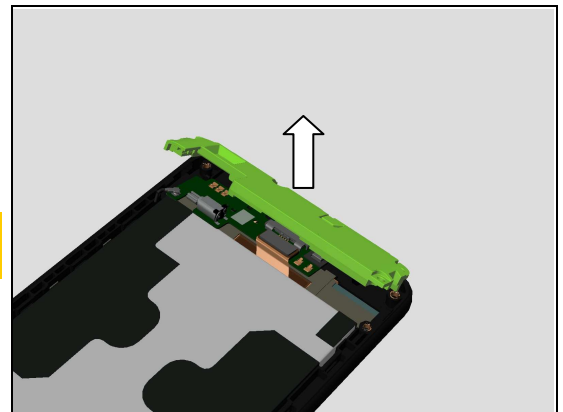


The Sub PBA Assy should move to the position so that the ribs of the Main Antenna Speaker Assy between Sub PBA Assy and Display Cover Assy can have space to be released.



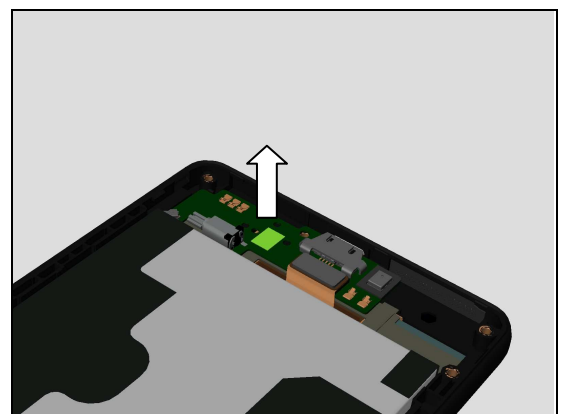
Then release the Main Antenna Speaker Assy from Display Cover Assy.

Do not damage the Sponge Speaker_Main MIC when releasing!



4.9 Adhesive Sub PBA

Detach the Adhesive Sub PBA.



5 Replacement

5.1 Adhesive Div Antenna Assy_Back

Follow the 4.1 – 4.4 Disassembly instructions!

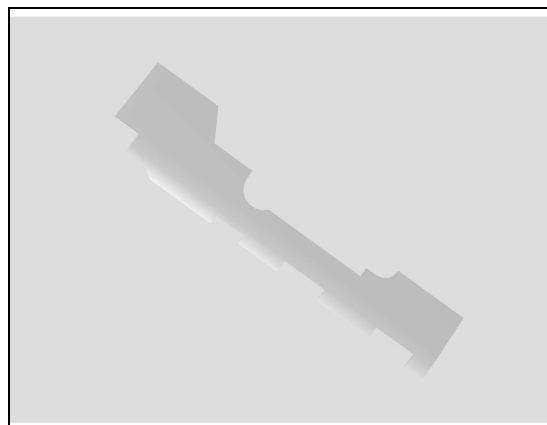
Follow the 5.26 Removal instructions!

Prepare a new Adhesive Div Antenna Assy_Back.

Follow the 5.26 Installation instructions!

Follow the 6.6 – 6.9 Reassembly instructions!

Scrap! Not to be reused!



5.2 Adhesive Main Antenna Speaker Assy

Follow the 4.1 – 4.4 Disassembly instructions!

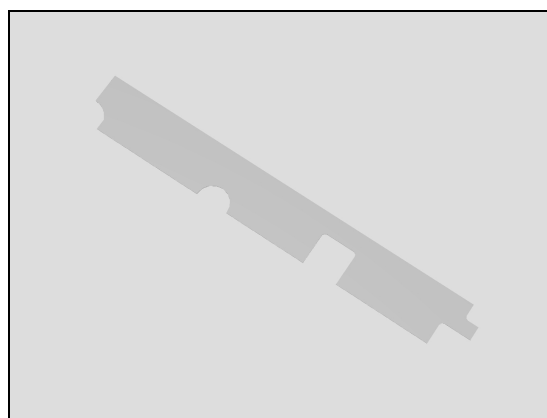
Follow the 5.26 Removal instructions!

Prepare a new Adhesive Main Antenna Speaker Assy.

Follow the 5.26 Installation instructions!

Follow the 6.6 – 6.9 Reassembly instructions!

Scrap! Not to be reused!



5.3 Adhesive Rubber Front Camera

Follow the 4.1 – 4.7 Disassembly instructions!

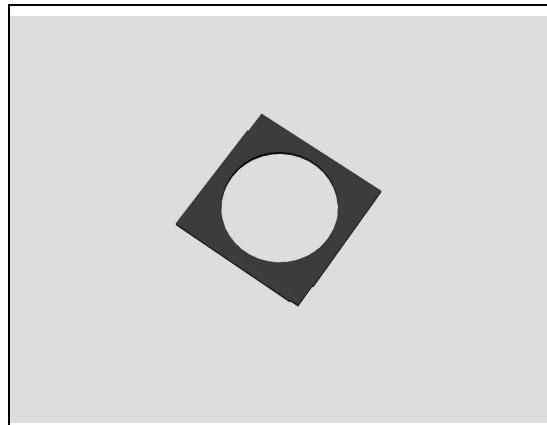
Follow the 5.10, 5.26 and 5.31 Removal instructions!

Prepare a new Adhesive Rubber Front Camera.

Follow the 5.10, 5.26 and 5.31 Installation instructions!

Follow the 6.3 – 6.9 Reassembly instructions!

Scrap! Not to be reused!



5.4 Adhesive Sub PBA

Follow the 4.1 – 4.4 and 4.8 – 4.9 Disassembly instructions!

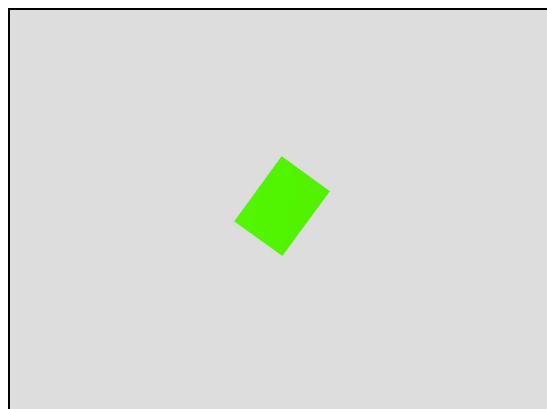
Follow the 5.26 Removal instructions!

Prepare a new Adhesive Sub PBA.

Follow the 5.26 Installation instructions!

Follow the 6.1 – 6.2 and 6.6 – 6.9 Reassembly instructions!

Scrap! Not to be reused!



Replacement

5.5 Battery Cover Assy

Follow the 4.1 – 4.4 Disassembly instructions!

Prepare a new Battery Cover Assy.

Follow the 6.6 – 6.9 Reassembly instructions!



5.6 Div Antenna Assy

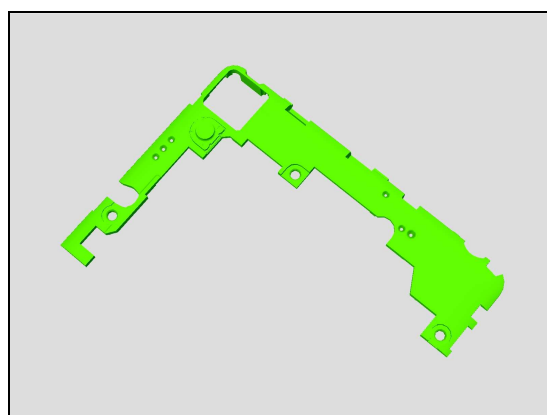
Follow the 4.1 – 4.5 Disassembly instructions!

Follow the 5.26 Removal instructions!

Prepare a new Div Antenna Assy.

Follow the 5.10 and 5.26 Installation instructions!

Follow the 6.5 – 6.9 Reassembly instructions!



5.7 Main Antenna Speaker Assy

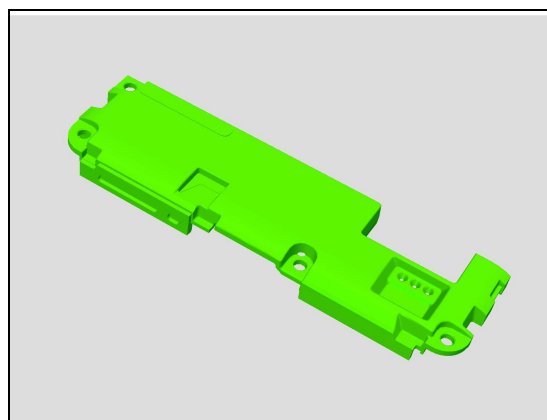
Follow the 4.1 – 4.4 and 4.8 – 4.9 Disassembly instructions!

Follow the 5.26 Removal instructions!

Prepare a new Main Antenna Speaker Assy.

Follow the 5.26 Installation instructions!

Follow the 6.1 – 6.2 and 6.6 – 6.9 Reassembly instructions!



5.8 SIM Tray Single

Follow the 4.1 Disassembly instructions!

Prepare a new SIM Tray Single.

Follow the 6.9 Reassembly instructions!



Replacement

5.9 Display Cover Assy

Follow the 4.1 – 4.9 Disassembly instructions!

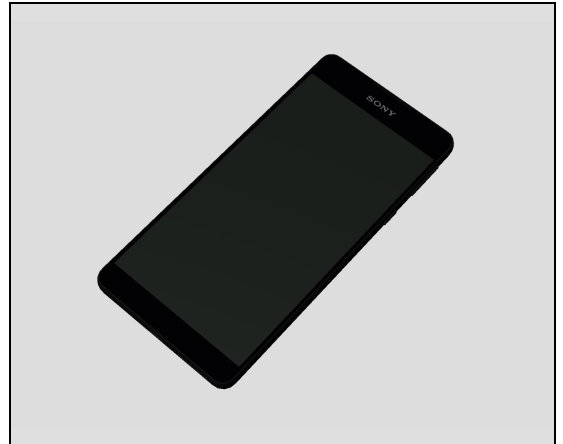
Follow the 5.10, 5.11, 5.12, 5.20, 5.25, 5.26, 5.27, 5.28, 5.31, 5.33, and 5.38 Removal instructions!

Prepare a new Display Cover Assy.

Follow the 5.10, 5.11, 5.12, 5.20, 5.25, 5.26, 5.27, 5.28, 5.31, 5.33, and 5.38 Installation instructions!

Follow the 6.1 – 6.9 Reassembly instructions!

Proximity Calibration must be performed for all replaced units; 1289-2983 Trouble Shooting Application – mechanical.



Replacement

5.10 Adhesive Div Antenna Assy_Front

Follow the 4.1 – 4.5 Disassembly instructions!

Follow the 5.26 Removal instructions!

Prepare a new Adhesive Div Antenna Assy_Front.

Follow the 5.26 Installation instructions!

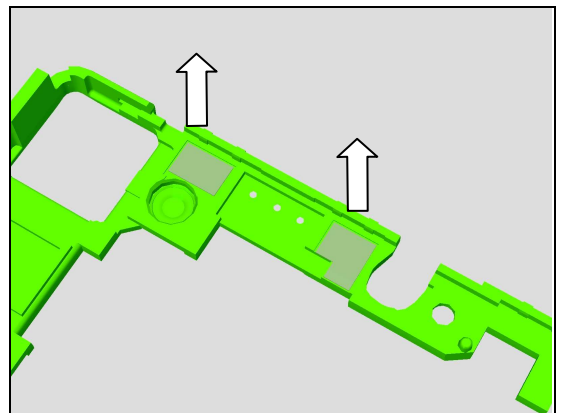
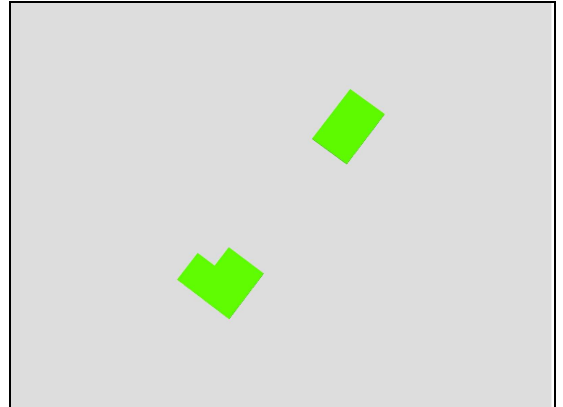
Follow the 6.5 – 6.9 Reassembly instructions!

REMOVAL

Detach the Adhesive Div Antenna Assy_Front and remove it with a pair of Plastic Tweezers.

Scrap! Not to be reused!

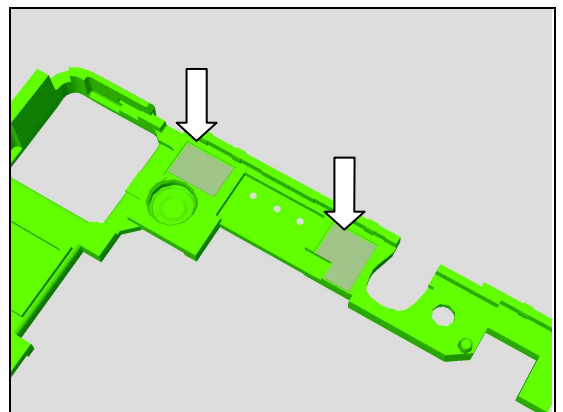
Make sure all remaining adhesive residue have been removed!



INSTALLATION

Use Isopropyl Alcohol – 99 % to clean around the attaching area of the Adhesive Div Antenna Assy_Front before assembly.

Attach a new Adhesive Div Antenna Assy_Front in its proper position as shown in picture.



Replacement

5.11 Adhesive Main PBA_Sub PBA FPC

Follow the 4.1 – 4.4 and 4.8 – 4.9 Disassembly instructions!

Follow the 5.12, 5.25, 5.26, 5.31 and 5.33 Removal instructions!

Prepare a new Adhesive Main PBA_Sub PBA FPC.

Follow the 5.12, 5.25, 5.26, 5.31 and 5.33 Installation instructions!

Follow the 6.1 – 6.2 and 6.6 – 6.9 Reassembly instructions!

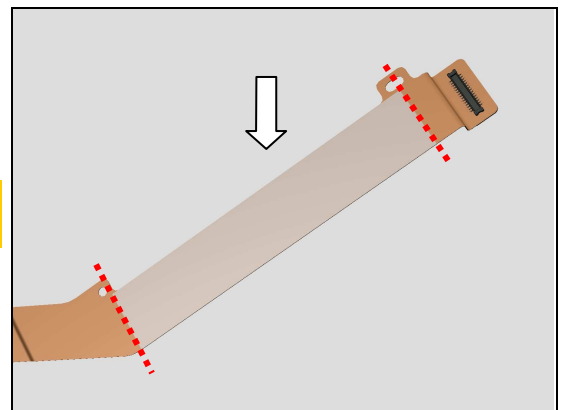
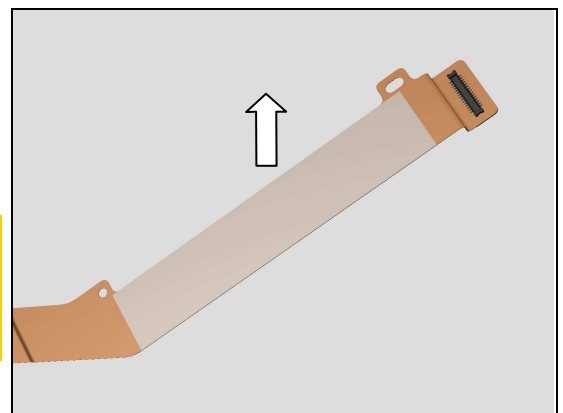
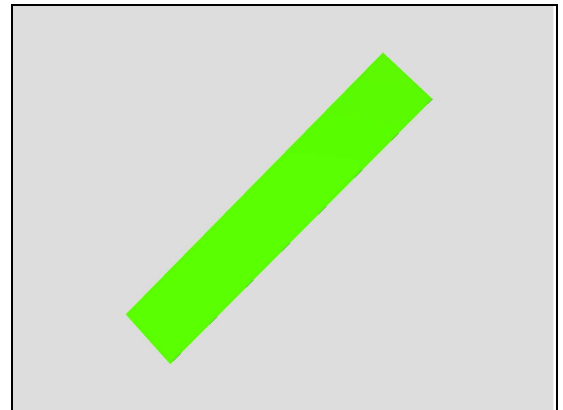
REMOVAL

Detach the Adhesive Main PBA_Sub PBA FPC and remove it with a pair of Plastic Tweezers.

Scrap! Not to be reused!

Do not damage the FPC.

Make sure all remaining adhesive residue have been removed!



INSTALLATION

Use Isopropyl Alcohol – 99 % to clean around the attaching area before assembly.

Attach a new Adhesive Main PBA_Sub PBA FPC in its proper position as shown in picture.

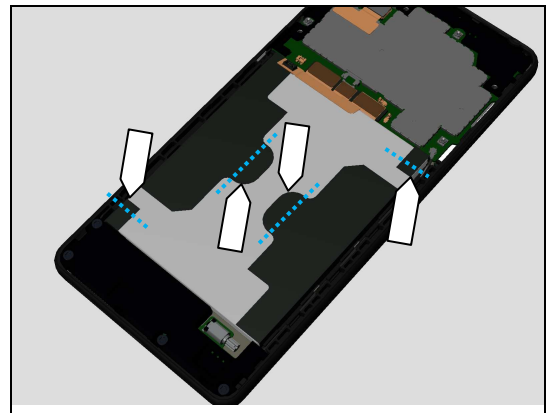
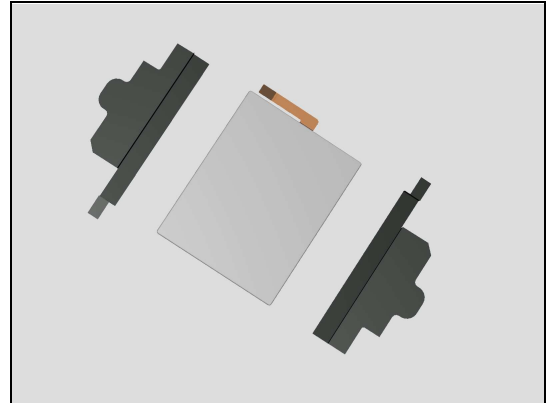
Replacement

5.12 Battery and Film Mylar Battery

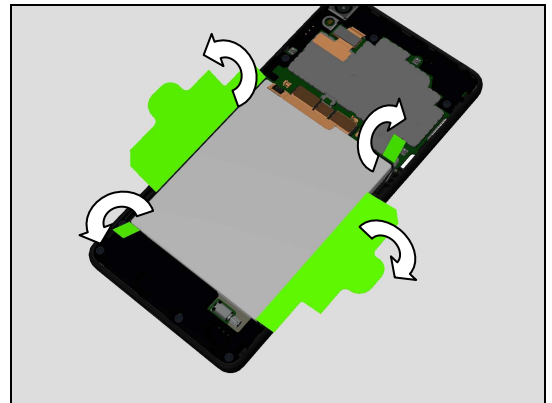
Follow the 4.1 – 4.4 Disassembly instructions!
 Follow the 5.26 Removal instructions!
 Prepare a new Battery and Film Mylar Battery.
 Follow the 5.26 Installation instructions!
 Follow the 6.6 – 6.9 Reassembly instructions!

REMOVAL

Identify the four release tabs as shown in picture.

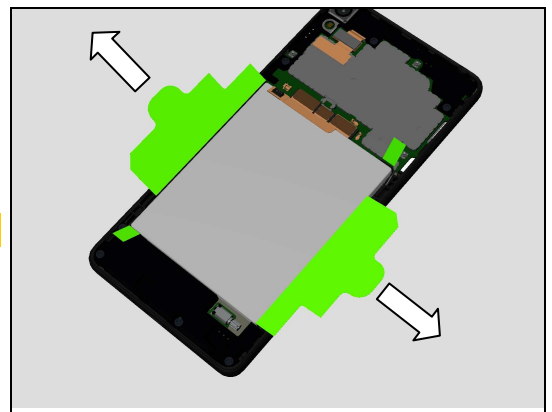


Peel off the mylars as shown in picture.



Pull out the two Film Mylar Battery as shown in picture.

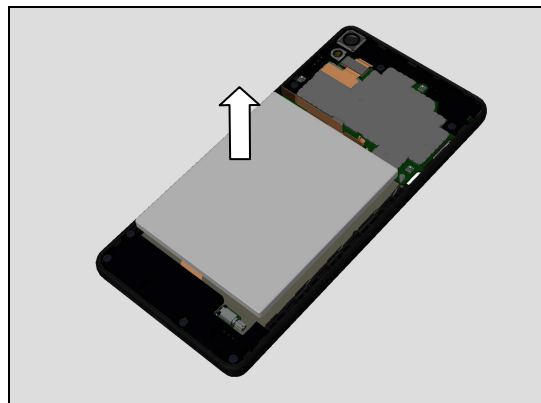
Scrap! Not to be reused!



Replacement: Battery and Film Mylar Battery

Remove the Battery.

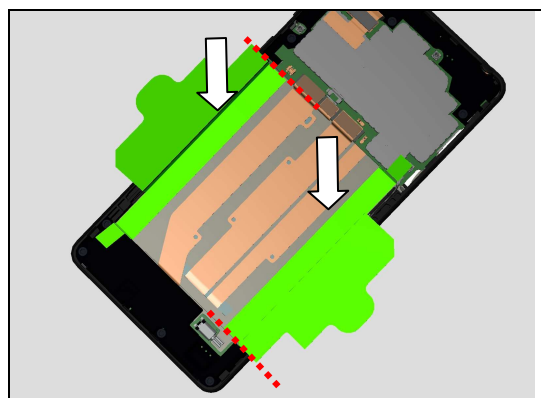
Scrap! Not to be reused!



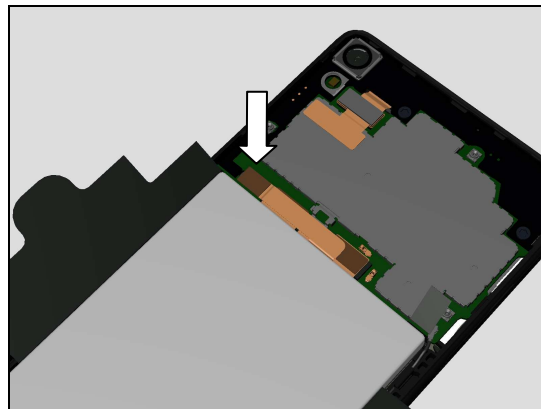
INSTALLATION

Attach the two new Film Mylar Battery onto their proper position as shown in picture.

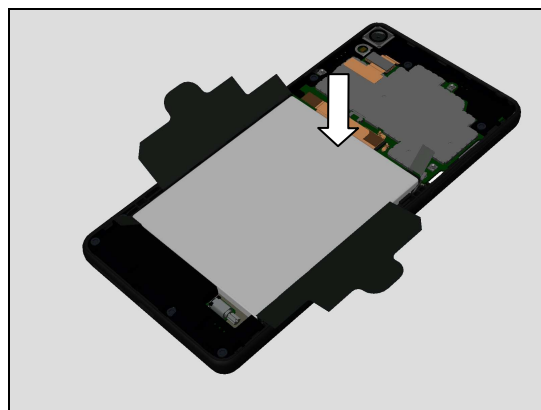
Do not attach the two Film Mylar Battery onto the FPC!



Press to snap the Battery connector.



Then mount the Battery into its cavity.



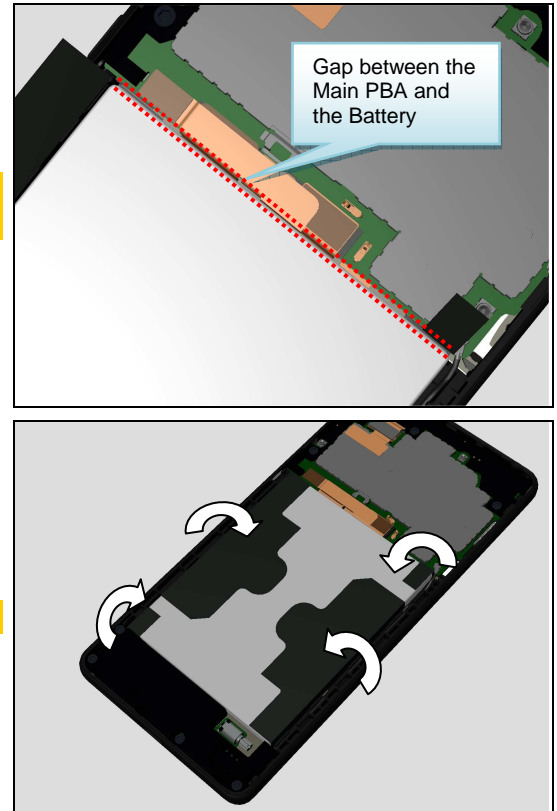
Replacement: Battery and Film Mylar Battery

The gap between the Main PBA and the Battery must be thicker than the Guitar Pick.

Attach the mylars as shown in picture.

Make sure the mylars attachment is tight and smooth.

Disconnect the Battery connector.



Replacement

5.13 Bracket Main Camera and Adhesive Rubber Main Camera

Follow the 4.1 – 4.7 Disassembly instructions!

Follow the 5.10, 5.23, 5.26, 5.31, and 5.32 Removal instructions!

Prepare a new Bracket Main Camera and Adhesive Rubber Main Camera.

Follow the 5.10, 5.23, 5.26, 5.31, and 5.32 Installation instructions!

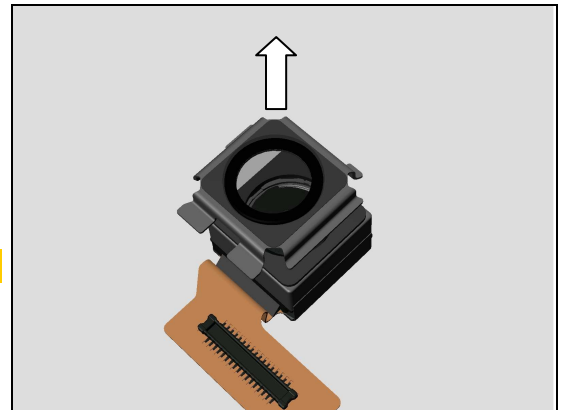
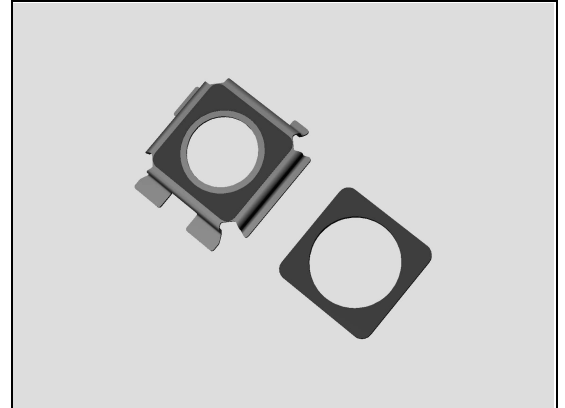
Follow the 6.3 – 6.9 Reassembly instructions!

Follow the 5.24 Installation instructions to replace a new Main Camera Lens.

REMOVAL

Detach to remove the Bracket Main Camera.

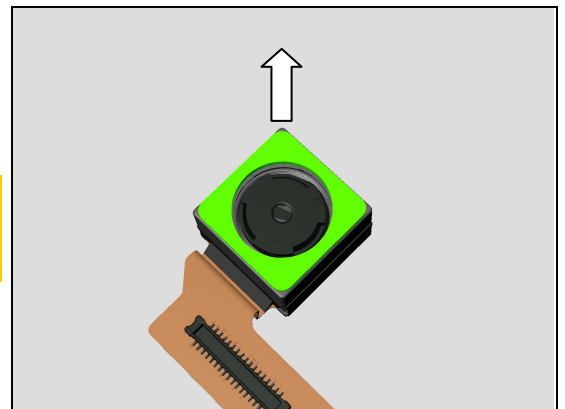
Scrap the Main Camera Lens!



Detach the Adhesive Rubber Main Camera.

Scrap! Not to be reused!

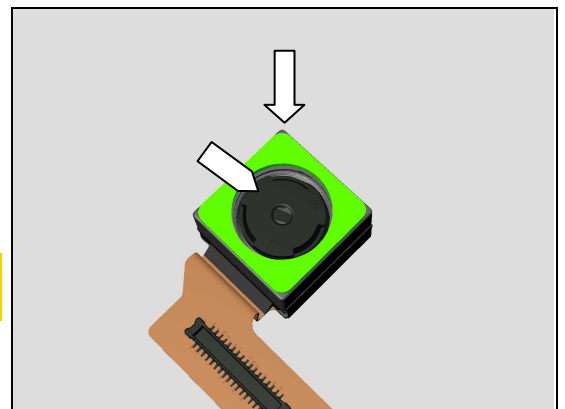
Make sure all remaining adhesive residue have been removed!



INSTALLATION

Attach a new Adhesive Rubber Main Camera in its proper position as shown in picture.

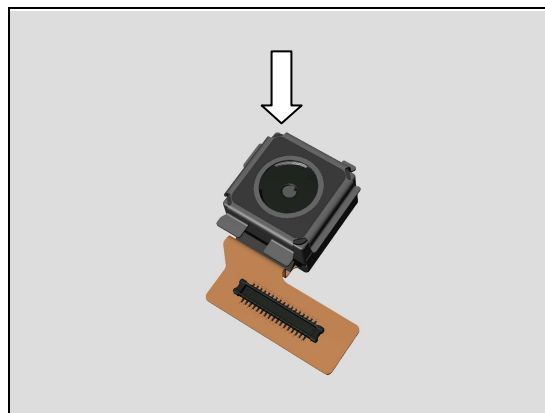
The Adhesive Rubber Main Camera must not block this part as the arrow indicated after attachment.



Replacement: Bracket Main Camera and Adhesive Rubber Main Camera

Attach a new Bracket Main Camera in its correct direction as shown in picture.

Apply a protection film to protect Main Camera from dust before assembly of the Main Camera Lens.



Replacement

5.14 Cap SIM/SD

Prepare a new Cap SIM/SD.

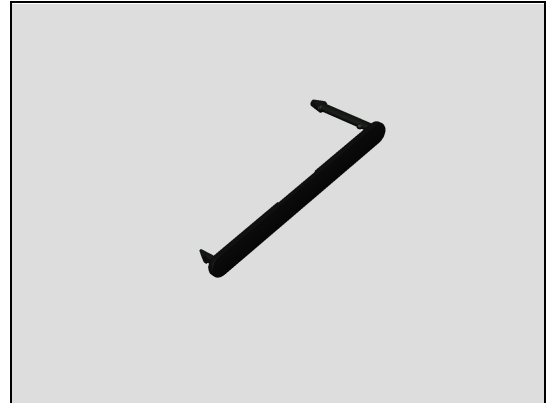
REMOVAL

Open the Cap SIM/SD and turn the Cap SIM/SD as shown in picture.

Pull out the Cap SIM/SD.

Scrap! Not to be reused!

Note! Hold the Cap SIM/SD tail to pull out.

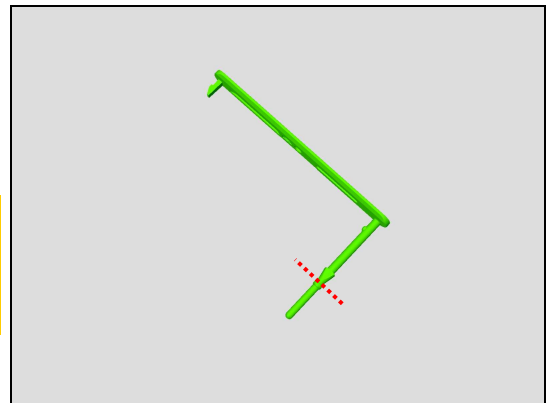


INSTALLATION

Prepare a new Cap SIM/SD.

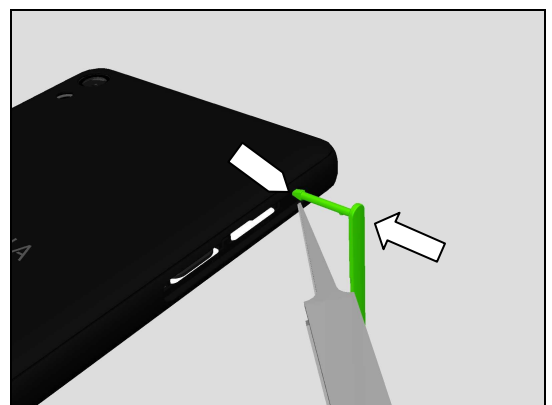
Make sure cutting the surplus part of the Cap SIM/SD tail by a pair of scissors before mounting.

The surplus part has risk to damage the components on the Main PBA.



Push by using a pair of pointed plastic tweezers to insert the Cap SIM/SD into its hole as shown in picture.

Then turn the Cap SIM/SD back and close the Cap SIM/SD.



Replacement

5.15 Conductive Gasket Main Camera Bracket

Follow the 4.1 – 4.7 Disassembly instructions!

Follow the 5.10, 5.23, 5.26, 5.31, and 5.32 Removal instructions!

Prepare a new Conductive Gasket Main Camera Bracket.

Follow the 5.10, 5.23, 5.26, 5.31, and 5.32 Installation instructions!

Follow the 6.3 – 6.9 Reassembly instructions!

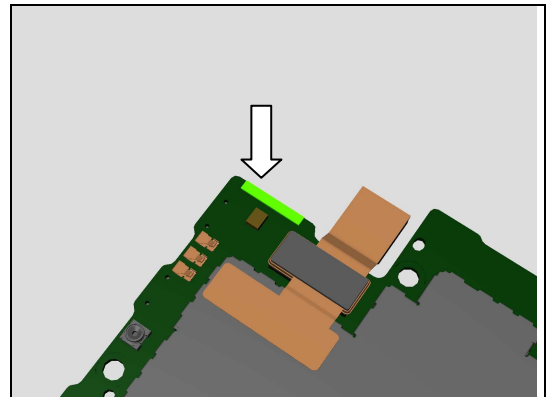
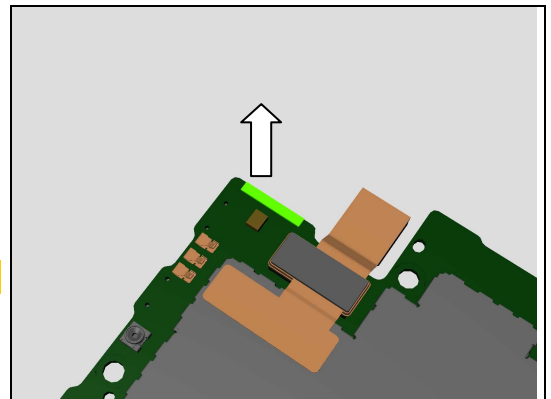
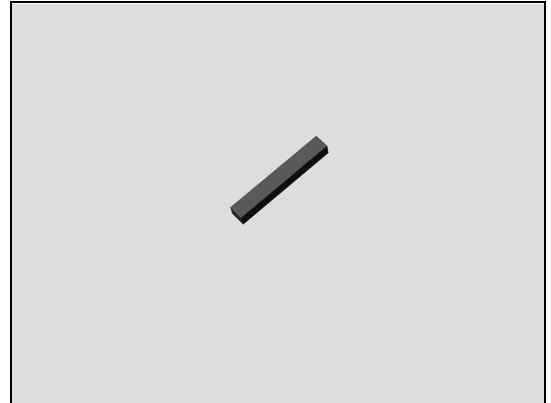
REMOVAL

Detach the Conductive Gasket Main Camera Bracket and remove it with a pair of Plastic Tweezers.

Scrap! Not to be reused!

INSTALLATION

Attach a new Conductive Gasket Main Camera Bracket in its proper position by using a pair of Plastic Tweezers as shown in picture.



Replacement

5.16 Conductive Gasket Sub PBA

Follow the 4.1 – 4.4 and 4.8 – 4.9 Disassembly instructions!
Follow the 5.26, 5.33 and 5.38 Removal instructions!
 Prepare a new Conductive Gasket Sub PBA.
Follow the 5.26, 5.33 and 5.38 Installation instructions!
Follow the 6.1 – 6.2 and 6.6 – 6.9 Reassembly instructions!

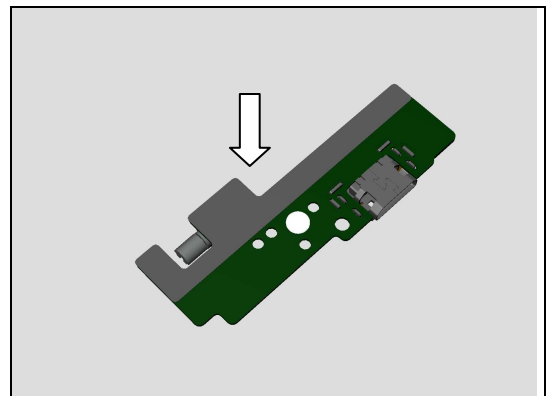
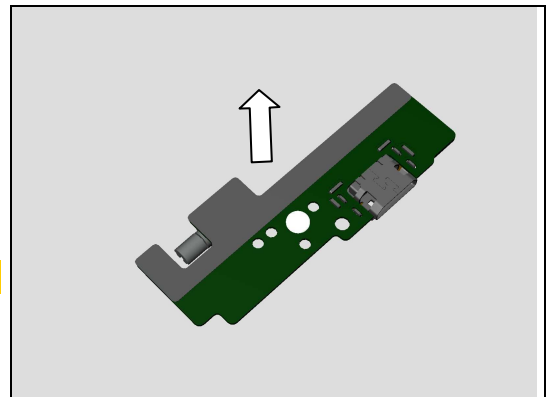
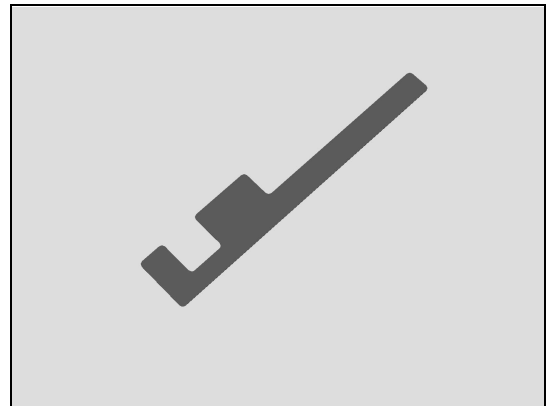
REMOVAL

Detach the Conductive Gasket Sub PBA and remove it with a pair of Plastic Tweezers.

Scrap! Not to be reused!

INSTALLATION

Attach a new Conductive Gasket Sub PBA in alignment with the Sub PBA Assy shape as shown in picture by fingers.



Replacement

5.17 Conductor Foil Front Camera and Sponge Front Camera BTB Connector

Follow the 4.1 – 4.5 Disassembly instructions!
Follow the 5.10 and 5.26 Removal instructions!
 Prepare a new Conductor Foil Front Camera and Sponge Front Camera BTB Connector.
Follow the 5.10 and 5.26 Installation instructions!
Follow the 6.5 – 6.9 Reassembly instructions!

REMOVAL

Detach the Conductor Foil Front Camera and Sponge Front Camera BTB Connector together.

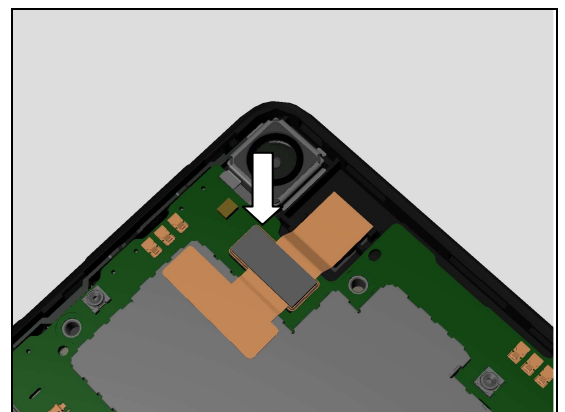
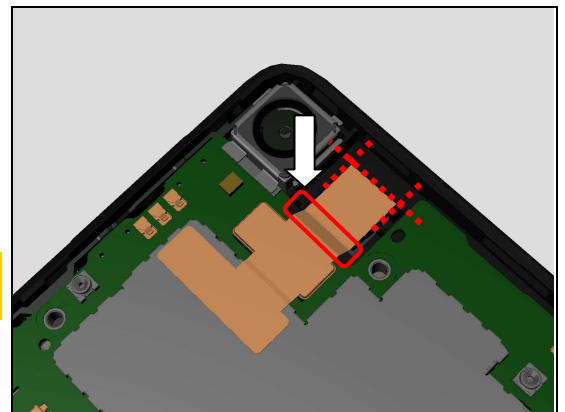
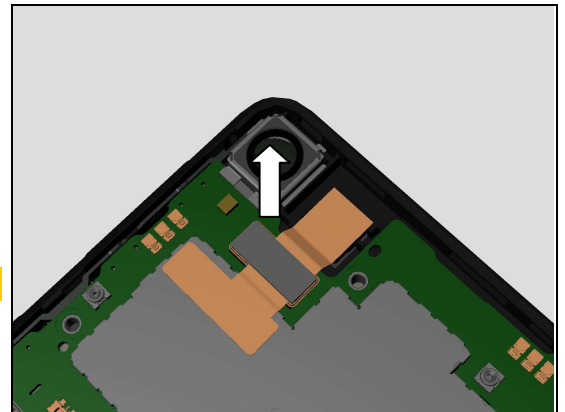
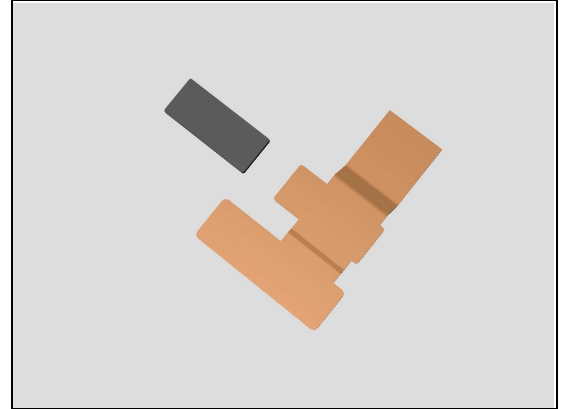
Scrap! Not to be reused!

INSTALLATION

Attach a new Conductor Foil Front Camera in alignment with the shape of the Front Camera as shown in picture.

Note! Press the area marked with red color rectangular after attaching.

Attach a new Sponge Front Camera BTB Connector as shown in picture.



Replacement

5.18 Copper Foil Battery Cover and NFC Antenna

Follow the 4.1 – 4.4 Disassembly instructions!

Follow the 5.26 Removal instructions!

Prepare a new Copper Foil Battery Cover and NFC Antenna.

Follow the 5.26 Installation instructions!

Follow the 6.6 – 6.9 Reassembly instructions!

Note! NFC Antenna and Copper Foil Battery Cover must be replaced together if NFC Antenna detached or damaged or if Copper Foil Battery Cover detached or wrinkled.

REMOVAL

Detach the Copper Foil Battery Cover and NFC Antenna and remove them with a pair of Plastic Tweezers.

Scrap! Not to be reused!

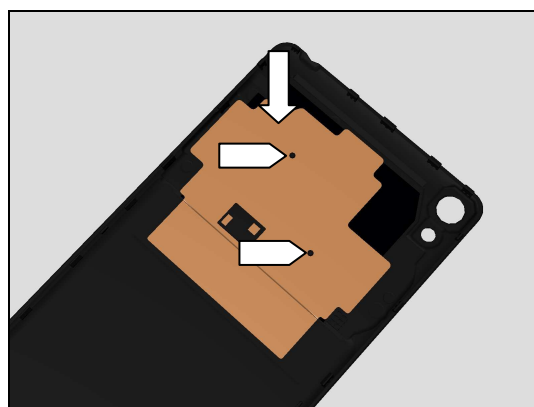
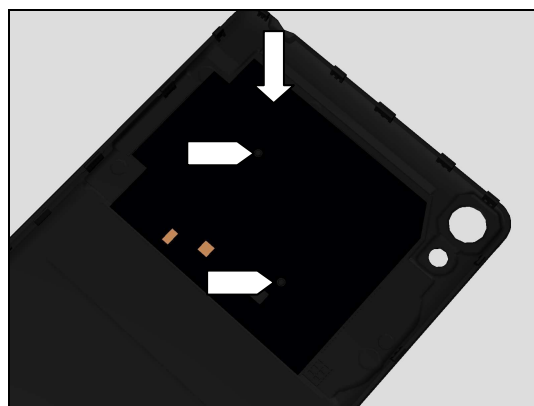
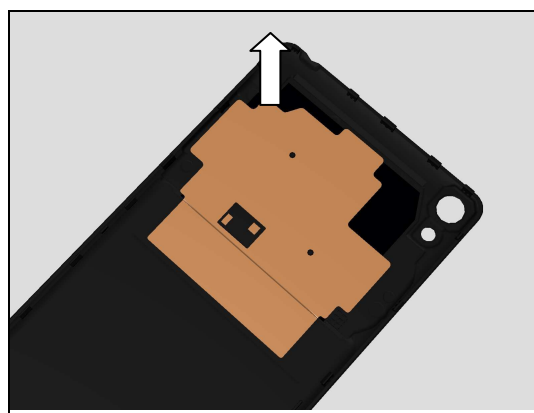
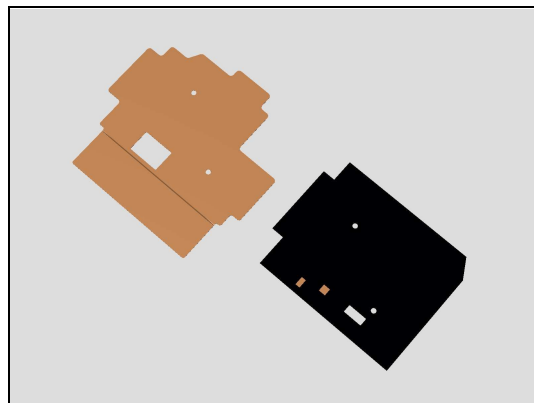
Make sure all remaining adhesive residue have been removed before installation!

INSTALLATION

Attach a new NFC Antenna in alignment with the two position pins on the Battery Cover Assy as shown in picture and then press by fingers.

Attach a new Copper Foil Battery Cover in alignment with the two position pins as shown in picture and then press by fingers.

Make sure the Copper Foil Battery Cover is flat and smooth and not wrinkled after attachment.



Replacement

5.19 CU Label

Follow the 4.1 Disassembly instructions!
Prepare a new CU Label.
Follow the 6.9 Reassembly instructions!

REMOVAL

Open the Cap SIM/SD.
 Pull out the CU Label Tray with fingers.

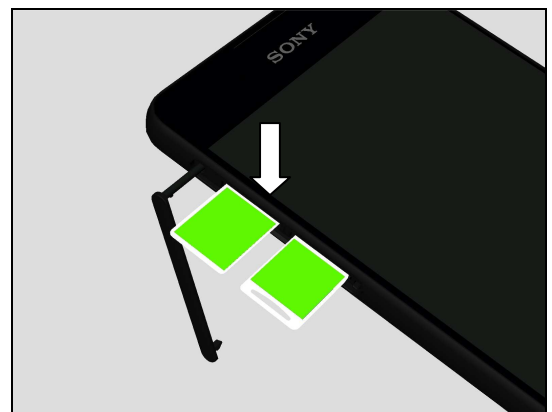
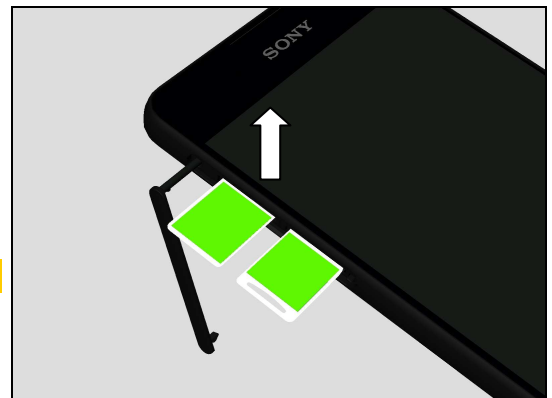
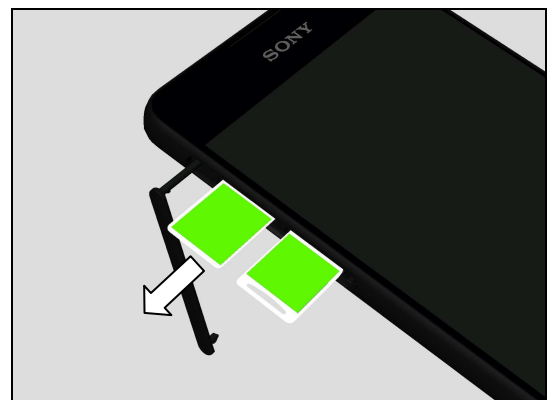
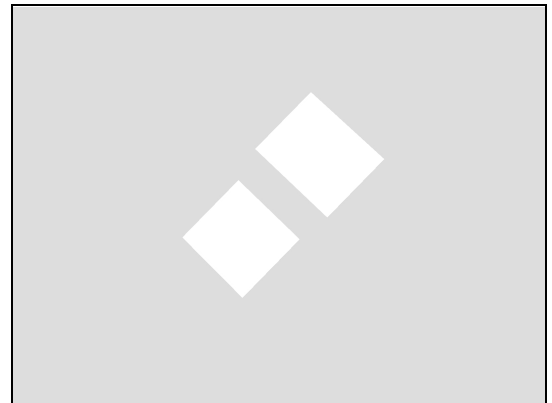
Read the old CU Label and/or write the information into the 'Label Print Solution' program before removal.
 Carefully remove the CU Label by using the Flex Film Assembly Tool.

Scrap! Not to be reused.

INSTALLATION

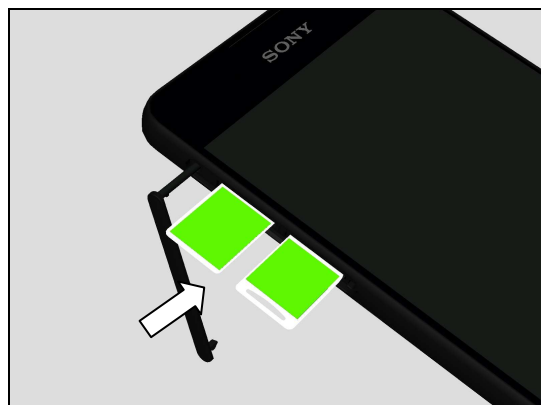
Check that the label format is properly loaded in the Zebra printer and write a new Label using the 'Label Print Solution' software.

Attach a new CU Label in its proper position as shown in picture.



Replacement: CU Label

Push the CU Label Tray into the slot.
Close the Cap SIM/SD.



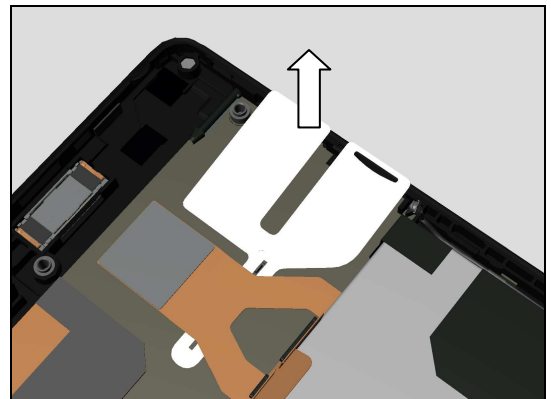
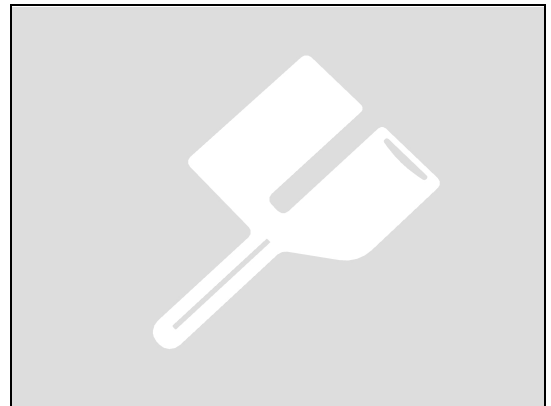
Replacement

5.20 CU Label Tray

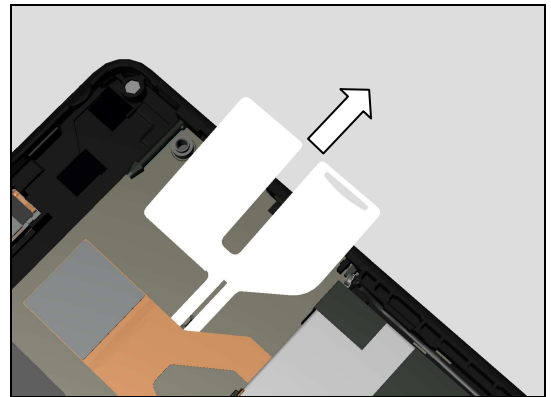
Follow the 4.1 – 4.7 Disassembly instructions!
Follow the 5.10, 5.26, and 5.31 Removal instructions!
Prepare a new CU Label Tray.
Follow the 5.10, 5.19, 5.26, and 5.31 Installation instructions!
Follow the 6.3 – 6.9 Reassembly instructions!

REMOVAL

Lift up this side of the CU Label Tray.

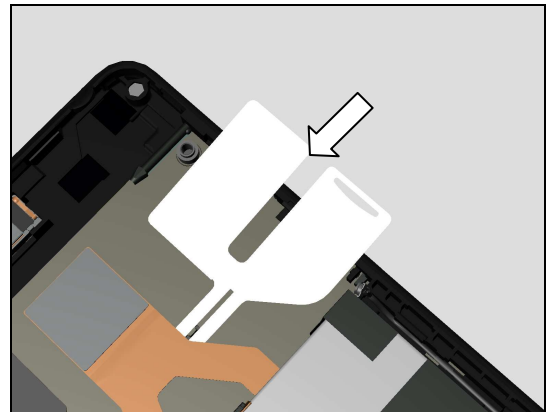


Release the CU Label Tray as shown in picture.



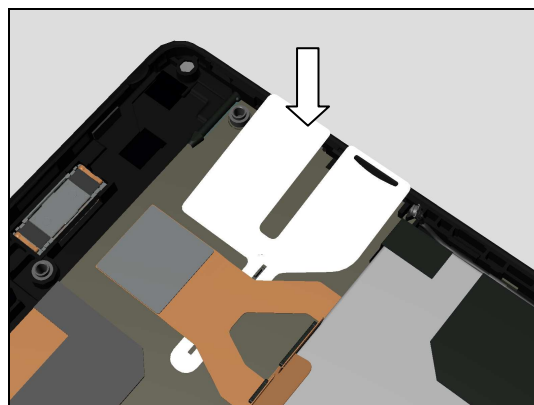
INSTALLATION

Insert the CU Label Tray between touch panel FPC and the Display Cover Assy as shown in picture.

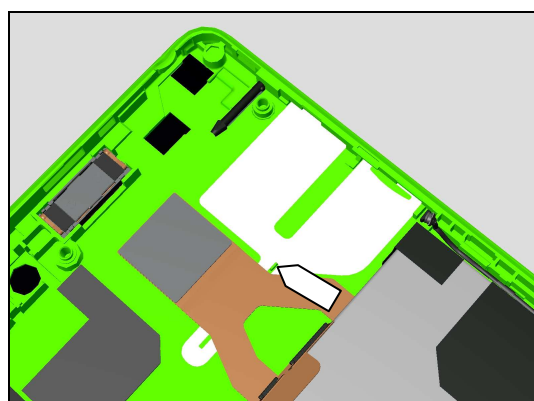


Replacement: CU Label Tray

Mount this side of the CU Label Tray as shown in picture.



Note the correct position of the block pin in the CU Label Tray slot!



Replacement

5.21 Front Camera

Follow the 4.1 – 4.5 Disassembly instructions!
Follow the 5.10, 5.17, and 5.26 Removal instructions!
 Prepare a new Front Camera.
Follow the 5.10, 5.17, and 5.26 Installation instructions!
 Follow the 6.5 – 6.9 Reassembly instructions!

REMOVAL

Disconnect the Front Camera connector by using a Front Opening Tool and remove it.

Do not damage the components on the Main PBA.

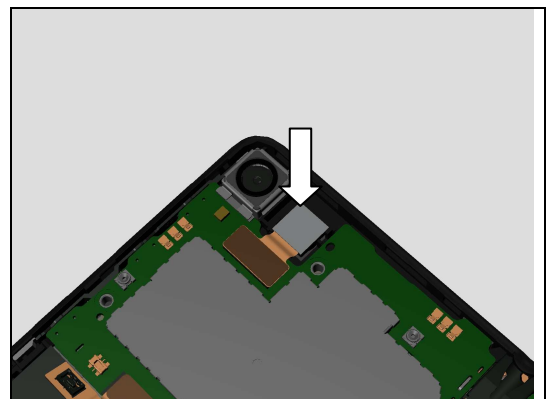
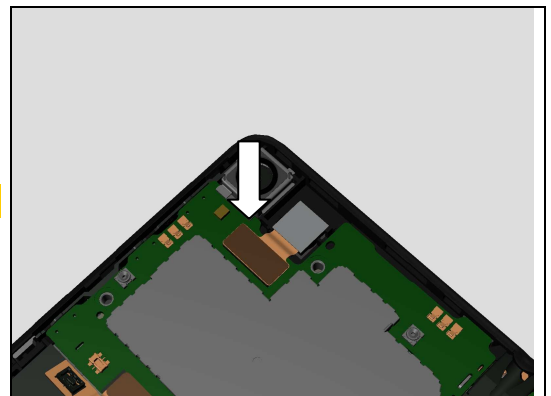
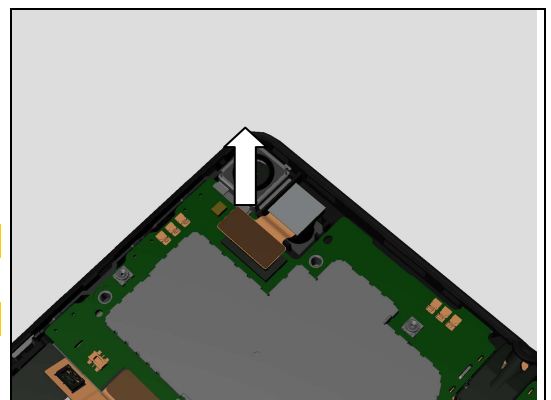
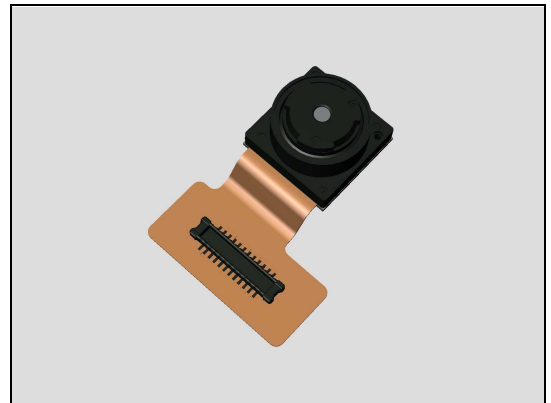
Follow the 5.3 and 5.30 Removal instructions!

INSTALLATION

Follow the 5.3 and 5.30 Installation instructions!

Press to snap the Front Camera connector.

Press to attach the Front Camera onto the Adhesive Rubber Front Camera.



Replacement

5.22 Key Power_Volume

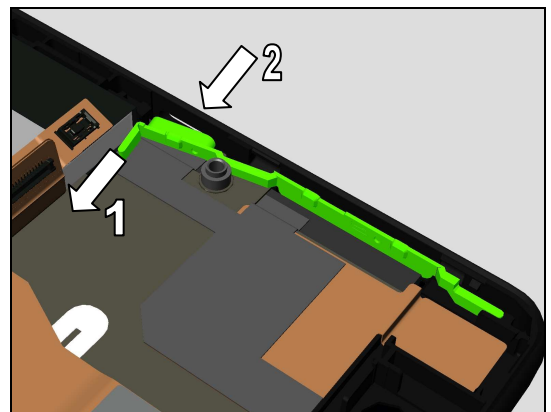
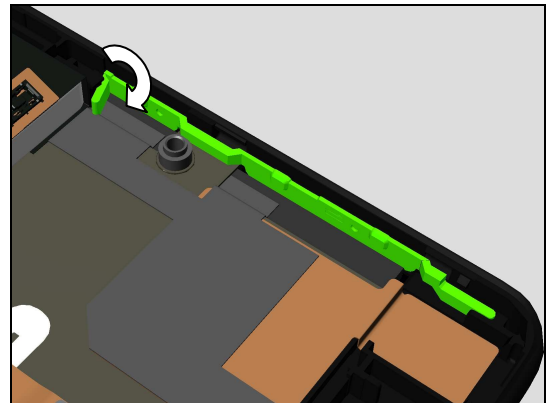
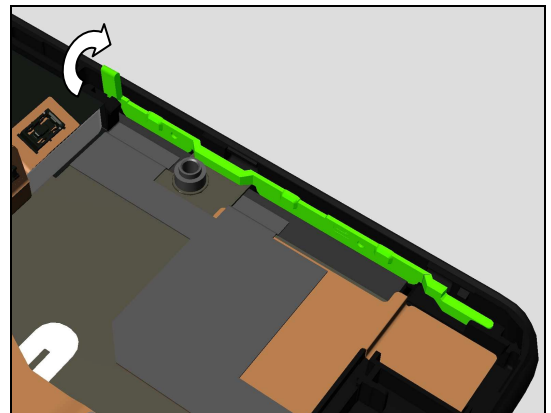
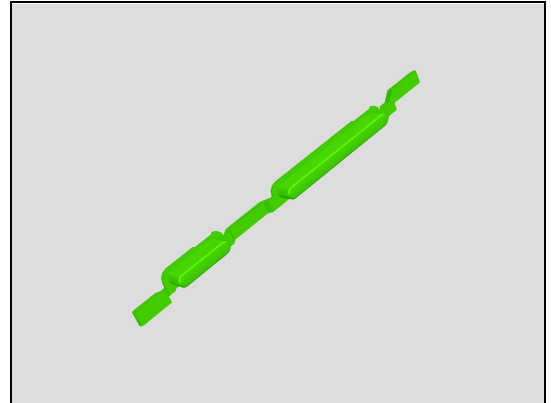
Follow the 4.1 – 4.7 Disassembly instructions!
Follow the 5.10, 5.26, and 5.31 Removal instructions!
Prepare a new Key Power_Volume.
Follow the 5.10, 5.26, and 5.31 Installation instructions!
Follow the 6.3 – 6.9 Reassembly instructions!

REMOVAL

Lift up this end of the Key Power_Volume from its cavity as shown in picture.

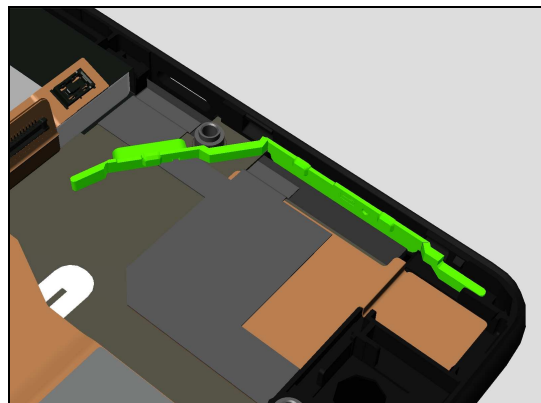
Make it out of the cavity as shown in picture.

Pull this end by using a pair of plastic tweezers (1), at the same time push the power key by finger (2), so that the power key is released from its hole.

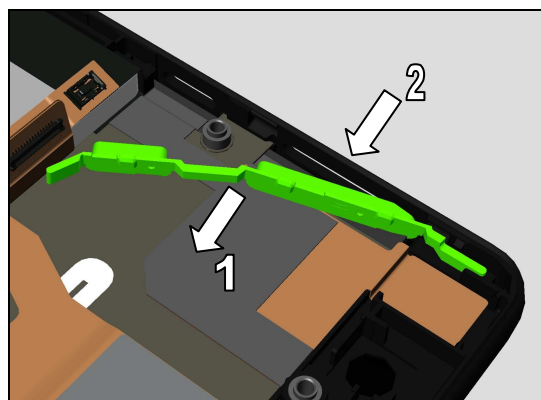


Replacement: Key Power_Volume

Move the power key part to this position as shown in picture.

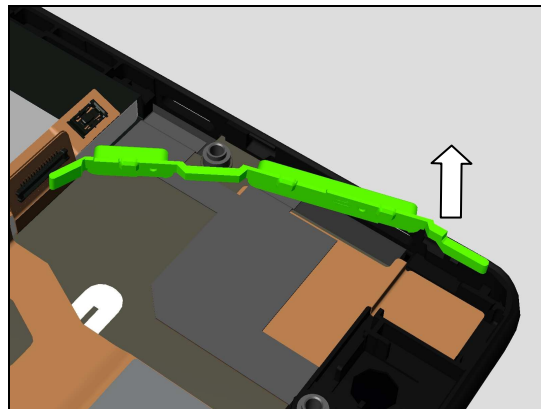


Pull the rubber part of the key by fingers (1), at the same time push the volume key by finger (2), so that the volume key is released from its hole.

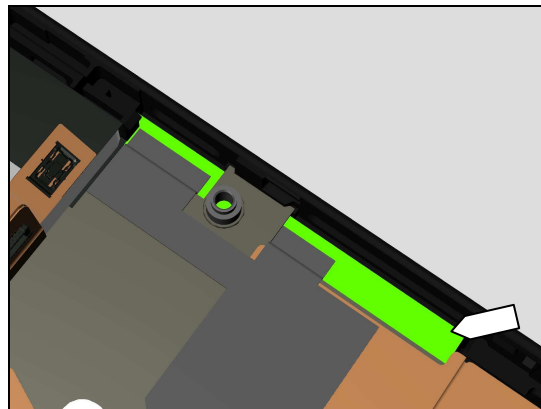


Release this end of the Key Power_Volume.

Scrap! Not to be reused!



If the edge of the conductive tape peel off, press to re-attach it.

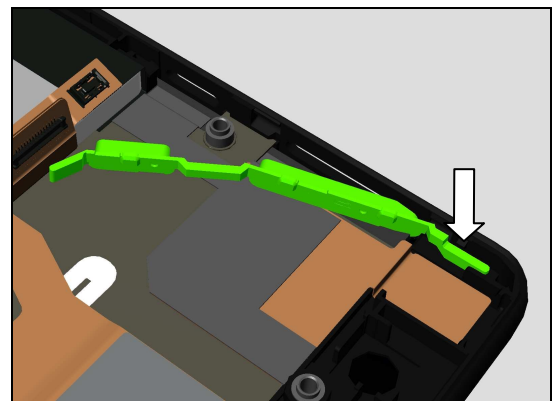
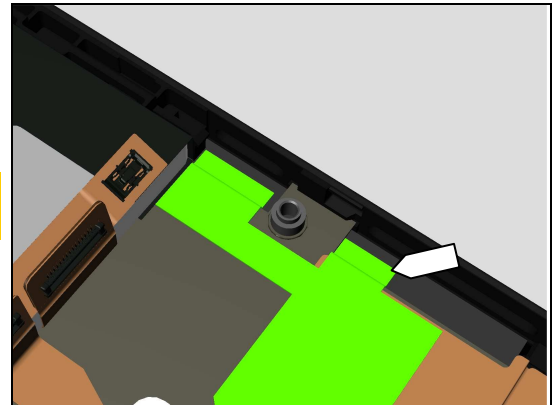


Replacement: Key Power_Volume

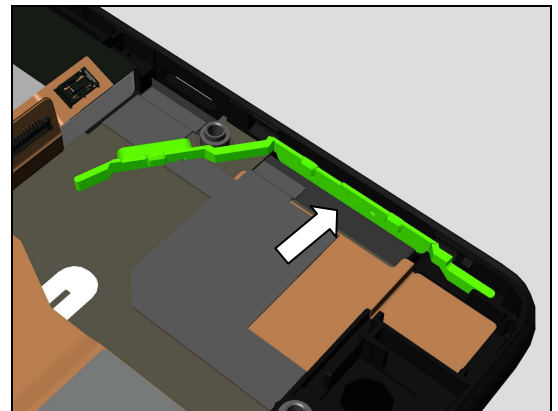
If the edge of the conductive tape peel off, press to re-attach it.

INSTALLATION

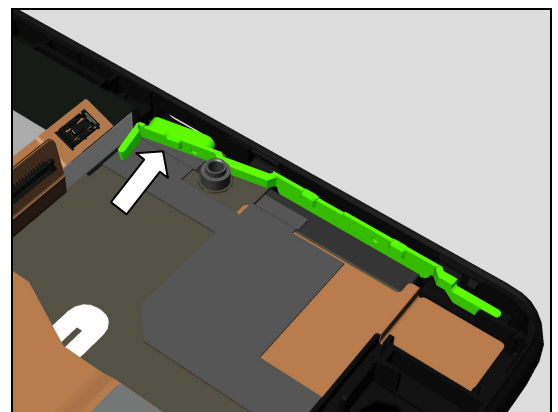
Insert to mount this end of the Key Power_Volume in its cavity.



Push to mount the volume key into its hole.

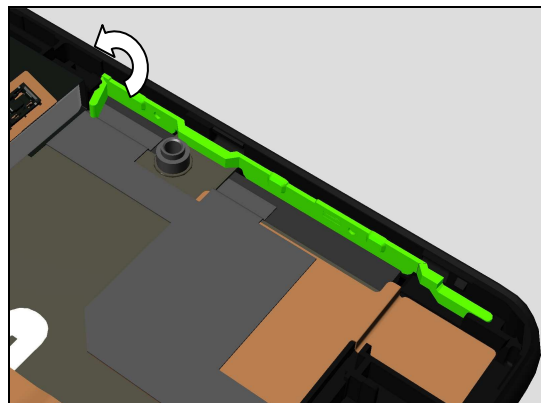


Push to mount the power key into its hole.

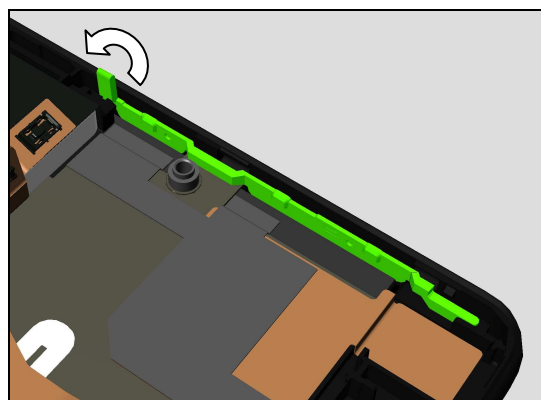


Replacement: Key Power_Volume

Lift up this end.



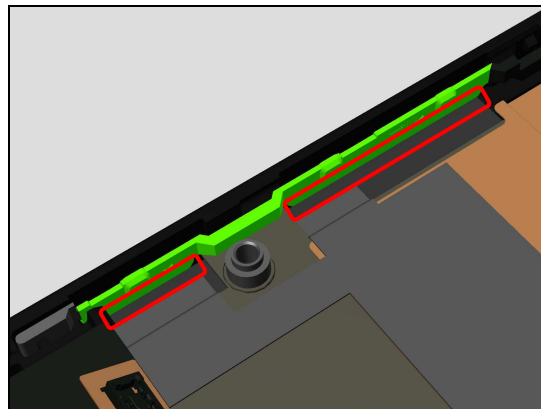
Mount this end into its cavity.



Check the Key Power_Volume is mounted in its proper position from this side.

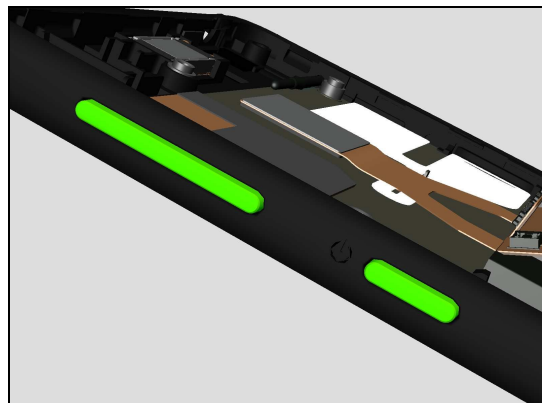


Make sure the rubber of the Key Power_Volume (as the red color rectangular indicated) is mounted between the LCD and the front cover.



Replacement: Key Power_Volume

Check the Key Power_Volume is mounted in its proper position from outside.



Replacement

5.23 Main Camera

Follow the 4.1 – 4.7 Disassembly instructions!

Follow the 5.10, 5.26, and 5.31 Removal instructions!

Prepare a new Main Camera.

Follow the 5.10, 5.26, and 5.31 Installation instructions!

Follow the 6.3 – 6.9 Reassembly instructions!

Follow the 5.24 Installation instructions to replace a new Main Camera Lens.

REMOVAL

Disconnect the Main Camera connector by using the Front Opening Tool.

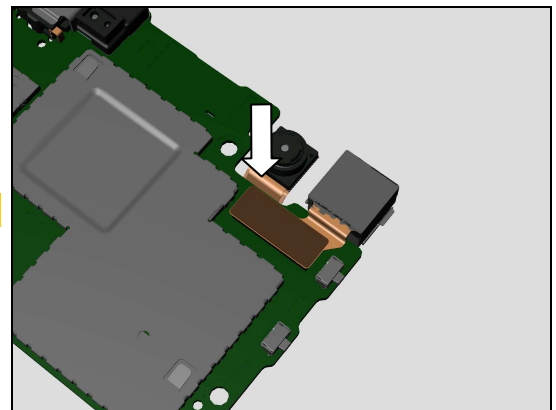
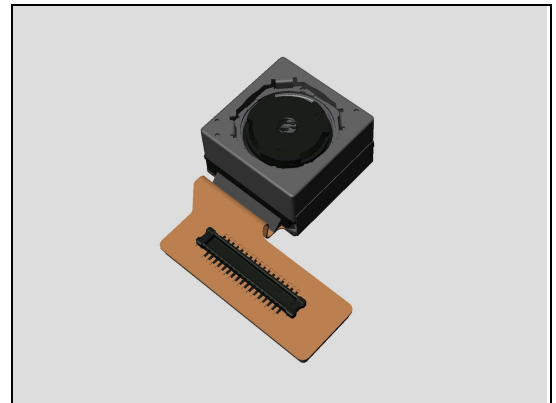
Do not damage components on the Main PBA!

Follow the 5.13 and 5.32 Removal instructions!

INSTALLATION

Follow the 5.13 and 5.32 Installation instructions!

Press to snap the Main Camera connector.



Replacement

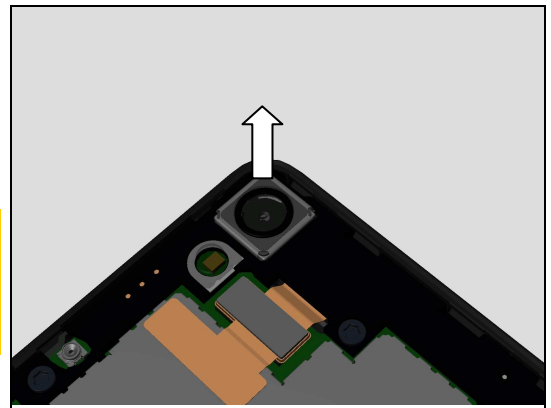
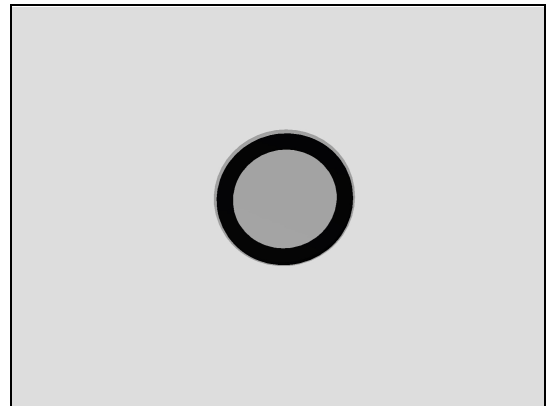
5.24 Main Camera Lens

Follow the 4.1 – 4.4 Disassembly instructions!
Follow the 5.26 Removal instructions!
Prepare a new Main Camera Lens.
Follow the 5.26 Installation instructions!

REMOVAL

Detach the Main Camera Lens by using the Front Opening Tool.

Scrap! Not to be reused!
Do not damage the painting on the Bracket main Camera.
Make sure all remaining adhesive residue have been removed!

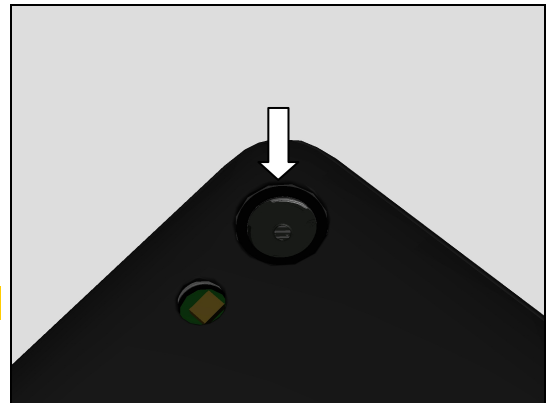


INSTALLATION

Follow the 6.6 – 6.9 Reassembly instructions!

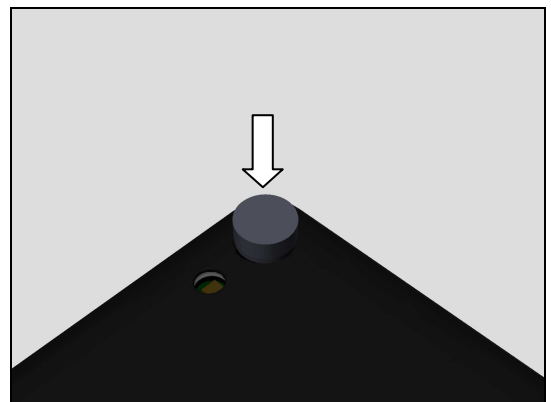
Attach a new Main Camera Lens in its cavity.

Clean the Main Camera before assembly.



Cut an eraser to a cylinder shape, one side of the eraser has almost the same area as the Main Camera Lens as shown in picture.

Use this side of the eraser to press the Main Camera Lens for 5 seconds.



Replacement

5.25 Main PBA_Sub PBA FPC

Follow the 4.1 – 4.4 and 4.8 – 4.9 Disassembly instructions!
Follow the 5.12, and 5.26 Removal instructions!
 Prepare a new Main PBA_Sub PBA FPC.
Follow the 5.12, and 5.26 Installation instructions!
Follow the 6.1 – 6.2 and 6.6 – 6.9 Reassembly instructions!

REMOVAL

Disconnect the two BtB connectors of the Main PBA_Sub PBA FPC.
 Disconnect the BtB connectors of touch panel and LCM.

Detach the Main PBA_Sub PBA FPC.

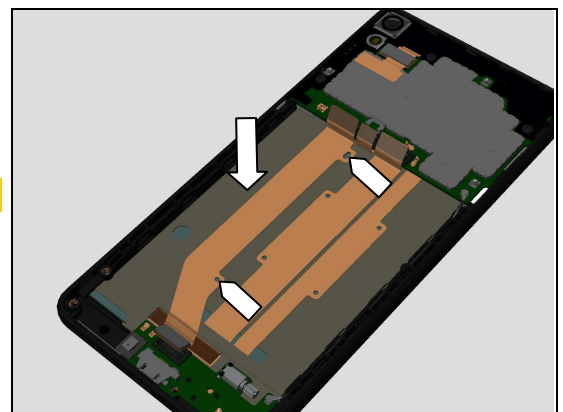
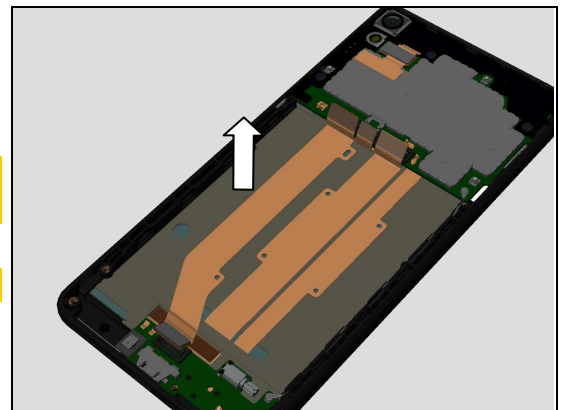
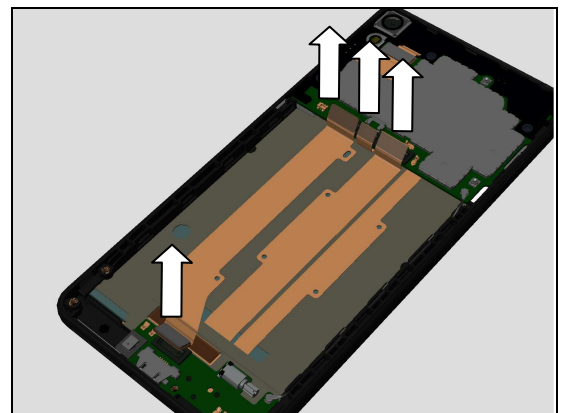
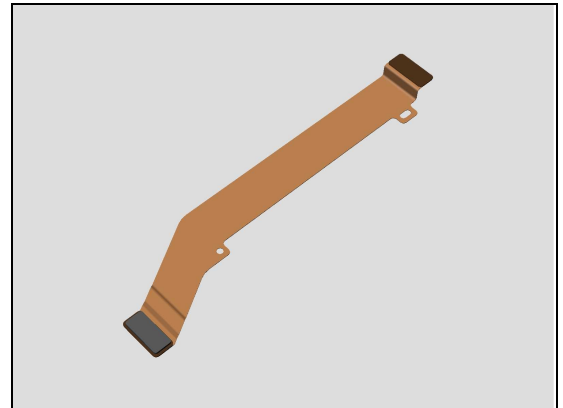
Make sure all remaining adhesive residue have been removed!

Follow the 5.11, 5.31 and 5.33 Removal instructions!

INSTALLATION

Follow the 5.31 and 5.33 Installation instructions!

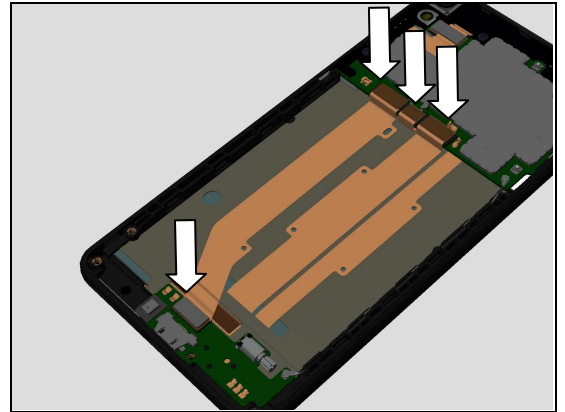
Attach a new Main PBA_Sub PBA FPC in alignment with the 2 position holes as shown in picture.



Replacement: Main PBA_Sub PBA FPC

Press to snap the two BtB connectors of the Main PBA_Sub PBA FPC.

Press to snap the BtB connectors of touch panel and LCM.



Replacement

5.26 NFC Adhesive

Follow the 4.1 – 4.4 Disassembly instructions!

Prepare a new NFC Adhesive.

Follow the 6.6 – 6.9 Reassembly instructions!

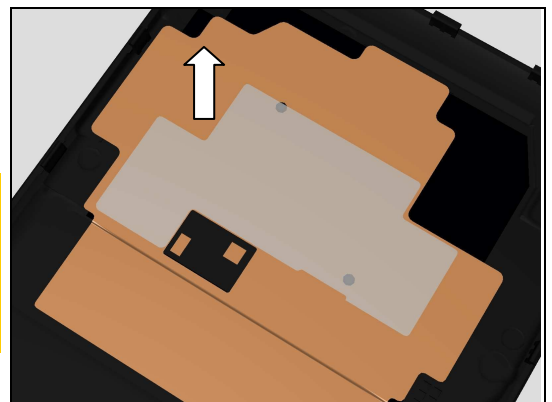
REMOVAL

Detach the NFC Adhesive by fingers.

Scrap! Not to be reused!

Do not damage the Copper Foil Battery Cover and NFC Antenna.

Make sure all remaining adhesive residue have been removed!

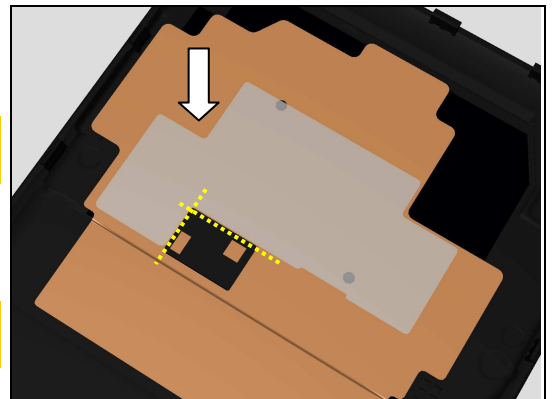


INSTALLATION

Use Isopropyl Alcohol – 99 % to clean around the attaching area of the NFC Adhesive before assembly.

Attach the NFC Adhesive in its proper position as shown in picture.

Note! Do not attach NFC Adhesive onto the NFC Antenna.



Replacement

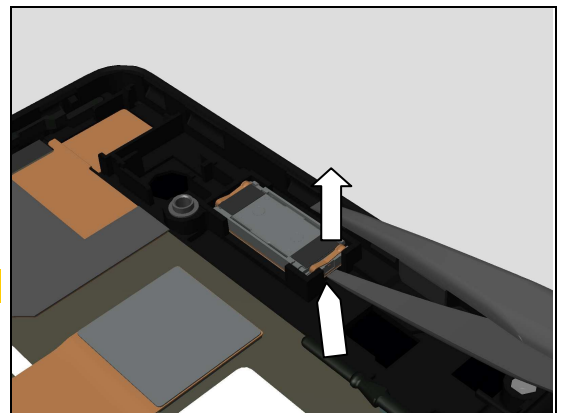
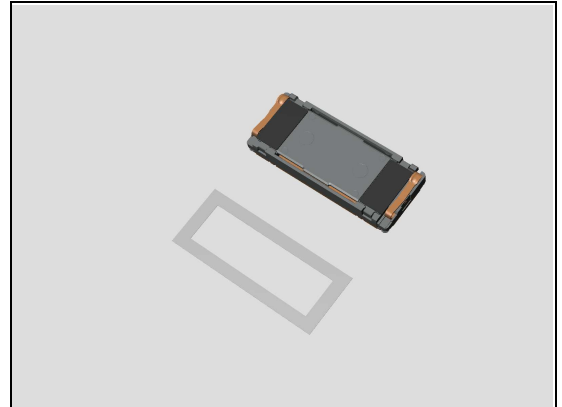
5.27 Receiver and Adhesive Receiver

Follow the 4.1 – 4.7 Disassembly instructions!
Follow the 5.10, 5.26, and 5.31 Removal instructions!
Prepare a new Receiver and Adhesive Receiver.
Follow the 5.10, 5.26, and 5.31 Installation instructions!
Follow the 6.3 – 6.9 Reassembly instructions!

REMOVAL

Detach to remove the Receiver from this position by using the Blunt flat –tip Plastic Tweezers as shown in picture.

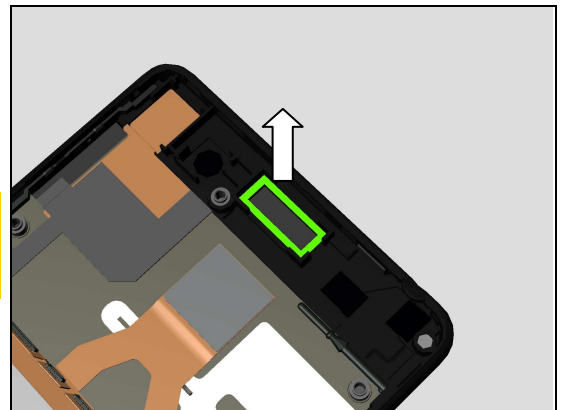
Be careful! Do not damage the Receiver.



Detach to remove the Adhesive Receiver by using the Blunt-tip Plastic Tweezers.

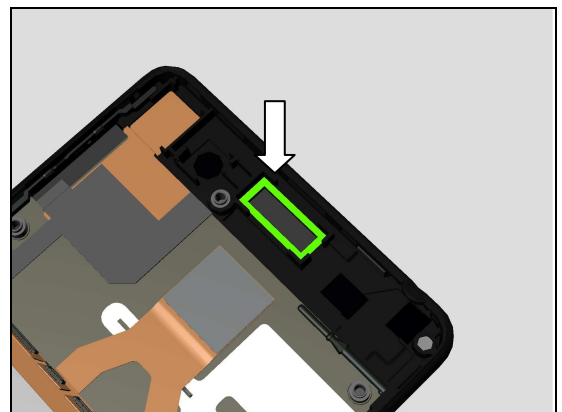
Scrap! Not to be reused!

Make sure all remaining adhesive residue have been removed!



INSTALLATION

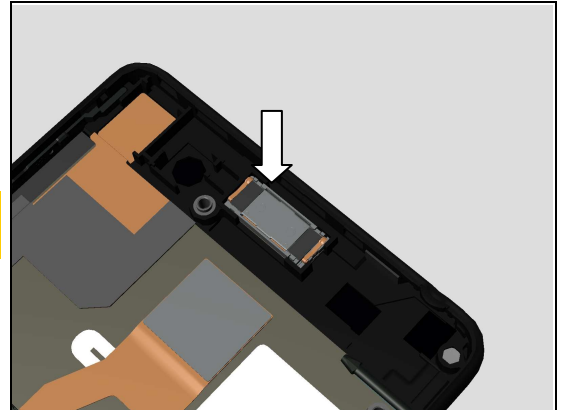
Attach a new Adhesive Receiver in its cavity as shown in picture.



Replacement: Receiver and Adhesive Receiver

Mount a new Receiver in its cavity and press it.

Note the correct orientation of the Receiver contact springs to be installed as shown in picture!



Replacement

5.28 RF Cable

Follow the 4.1 – 4.4 and 4.8 – 4.9 Disassembly instructions!

Follow the 5.26 Removal instructions!

Prepare a new RF Cable.

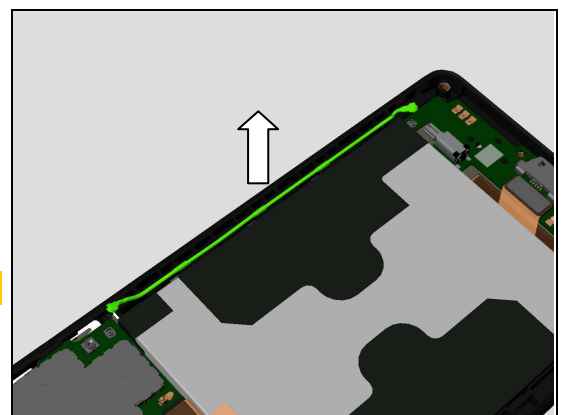
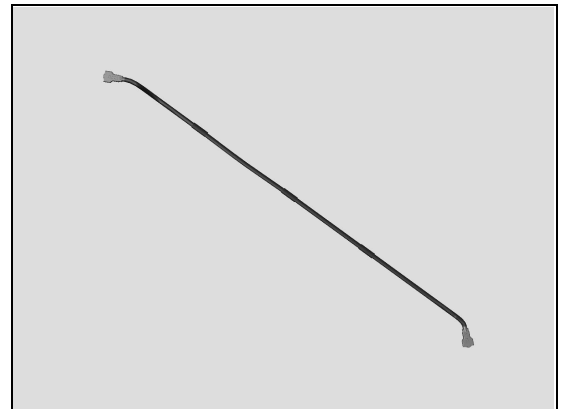
Follow the 5.26 Installation instructions!

Follow the 6.1 – 6.2 and 6.6 – 6.9 Reassembly instructions!

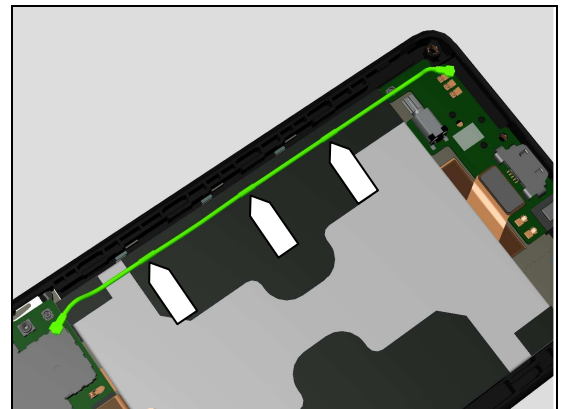
REMOVAL

Disconnect both RF connectors and remove the RF Cable from its cavity.

Do not damage components on the Main PBA!



Identify the correct orientation of the RF Cable to be installed by using the metal parts of the RF Cable as shown in picture!

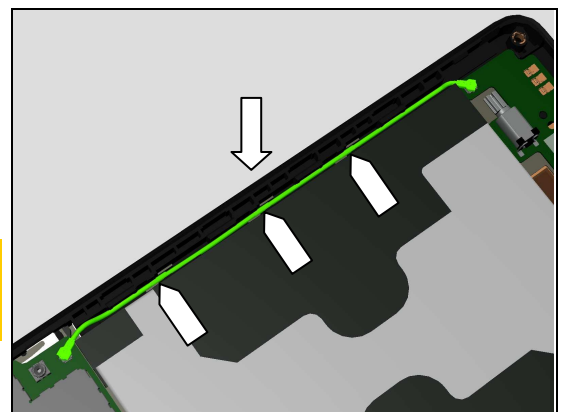


INSTALLATION

Press to snap both RF cable connectors.

Mount the RF Cable into its cavity as shown in picture.

Note! Make sure the three metal parts of the RF Cable are mounted into the clips and have good contact with the Display Cover Assy.



Replacement

5.29 Rubber 2nd MIC

Follow the 4.1 – 4.7 Disassembly instructions!

Follow the 5.10, 5.26, and 5.31 Removal instructions!

Prepare a new Rubber 2nd MIC.

Follow the 5.10, 5.26, and 5.31 Installation instructions!

Follow the 6.3 – 6.9 Reassembly instructions!

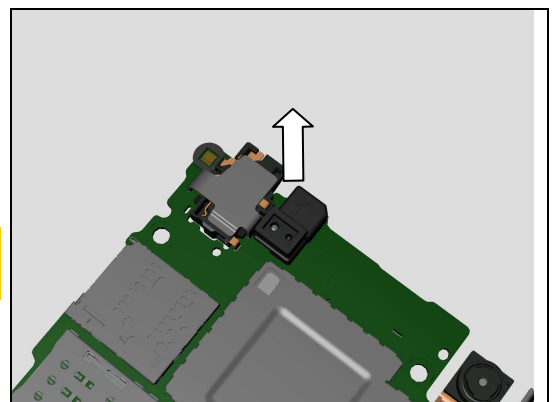
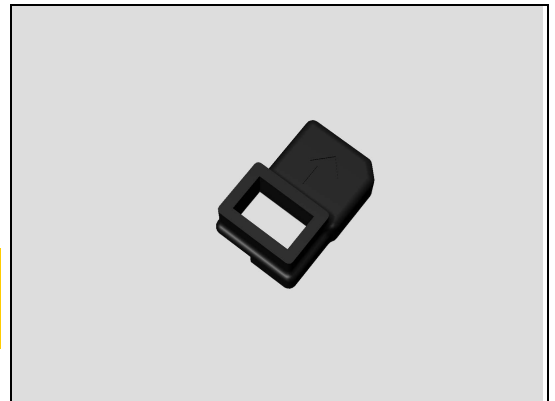
Proximity Calibration must be performed for all replaced units; 1289-2983 Trouble Shooting Application – mechanical.

REMOVAL

Detach the Rubber 2nd MIC.

Scrap! Not to be reused!

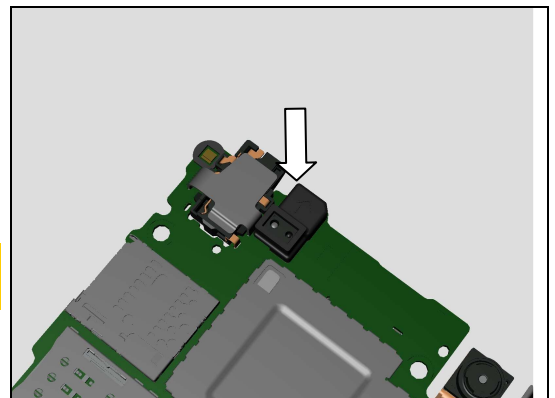
Do not damage the components on the Main PBA!



INSTALLATION

Attach a new Rubber 2nd MIC in its proper position as shown in picture.

Note the correct orientation of the Rubber 2nd MIC to be installed as shown in picture!



Replacement

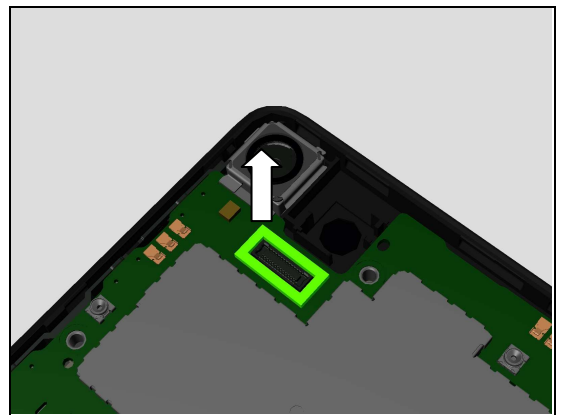
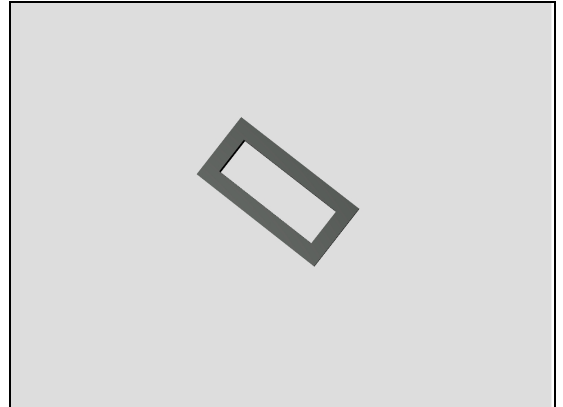
5.30 Rubber Front Camera BTB Connector

Follow the 4.1 – 4.5 Disassembly instructions!
 Follow the 5.10, 5.17, 5.21, and 5.26 Removal instructions!
 Follow the 5.3 Removal instructions!
 Prepare a new Rubber Front Camera BTB Connector.
 Follow the 5.3 Installation instructions!
 Follow the 5.10, 5.17, 5.21, and 5.26 Installation instructions!
 Follow the 6.5 – 6.9 Reassembly instructions!

REMOVAL

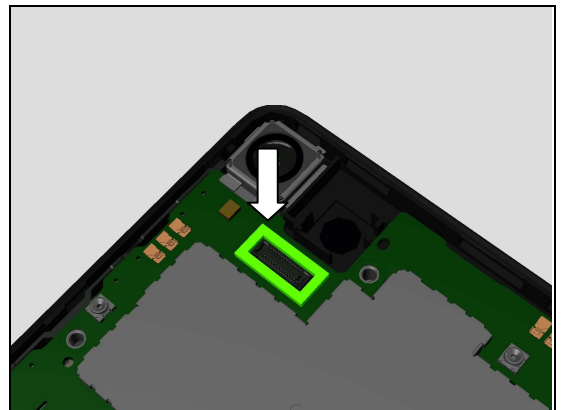
Detach the Rubber Front Camera BTB Connector.

Scrap! Not to be reused!
Do not damage the components on the Main PBA!
Make sure all remaining adhesive residue have been removed!



INSTALLATION

Attach a new Rubber Front Camera BTB Connector in its proper position.



Replacement

5.31 Rubber LCM TP BTB Connector

Follow the 4.1 – 4.4 Disassembly instructions!
Follow the 5.26 Removal instructions!
Prepare a new Rubber LCM TP BTB Connector.
Follow the 5.26 Installation instructions!
Follow the 6.6 – 6.9 Reassembly instructions!

REMOVAL

Disconnect the BtB connectors of the Main PBA_Sub PBA FPC, touch panel and LCM.
 Detach the Rubber LCM TP BTB Connector.

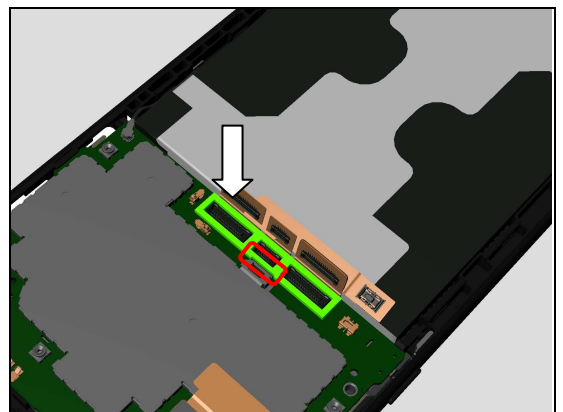
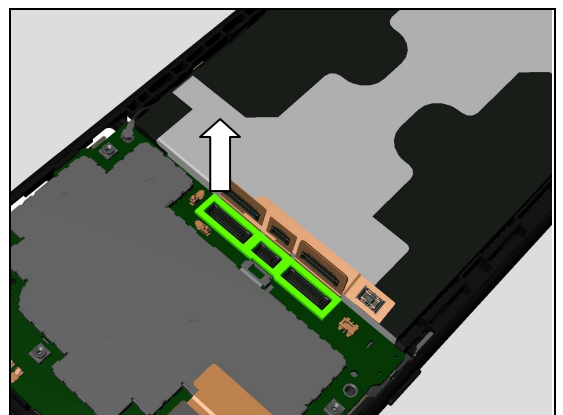
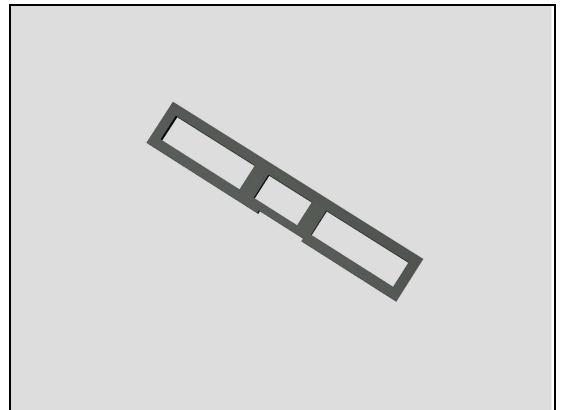
Scrap! Not to be reused!
Do not damage the components on the Main PBA!
Make sure all remaining adhesive residue have been removed!

INSTALLATION

Attach the Rubber LCM TP BTB Connector in its proper position.

Note the correct orientation of the Rubber LCM TP BTB Connector to be installed as shown in picture!

Press to snap the BtB connectors of the Main PBA_Sub PBA FPC, touch panel and LCM.



Replacement

5.32 Rubber Main Camera BTB Connector

Follow the 4.1 – 4.7 Disassembly instructions!
Follow the 5.10, 5.23, 5.26, and 5.31 Removal instructions!
Prepare a new Rubber Main Camera BTB Connector.
Follow the 5.10, 5.23, 5.26, and 5.31 Installation instructions!
Follow the 6.3 – 6.9 Reassembly instructions!

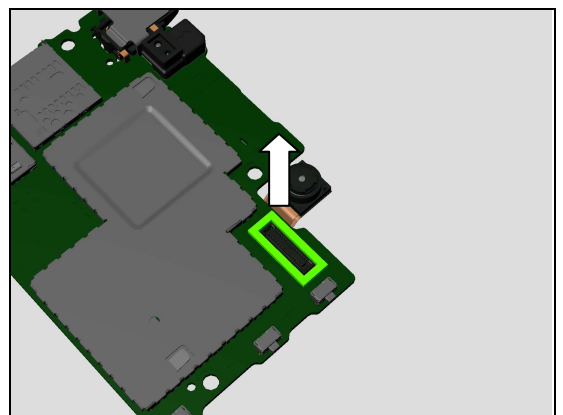
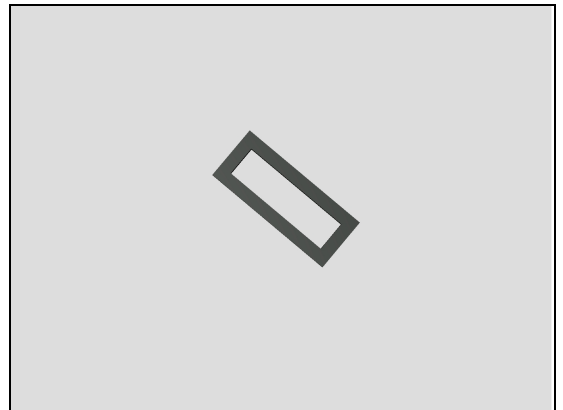
REMOVAL

Detach the Rubber Main Camera BTB Connector.

Scrap! Not to be reused!

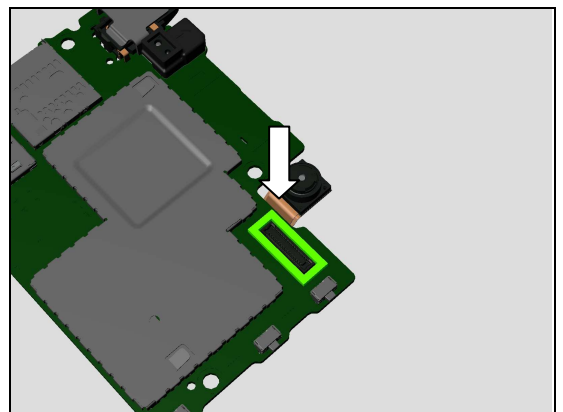
Do not damage the components on the Main PBA!

Make sure all remaining adhesive residue have been removed!



INSTALLATION

Attach a new Rubber Main Camera BTB Connector in its proper position.



Replacement

5.33 Rubber Sub PBA BTB Connector

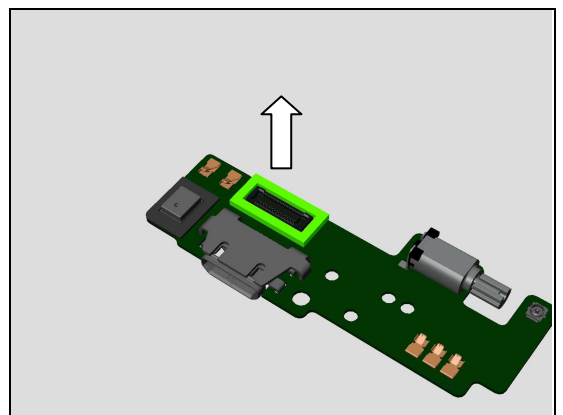
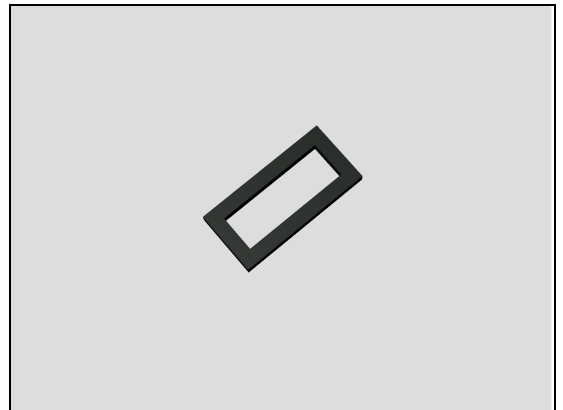
Follow the 4.1 – 4.4 and 4.8 – 4.9 Disassembly instructions!
Follow the 5.26 and 5.38 Removal instructions!
Prepare a new Rubber Sub PBA BTB Connector.
Follow the 5.26 and 5.38 Installation instructions!
Follow the 6.1 – 6.2 and 6.6 – 6.9 Reassembly instructions!

REMOVAL

Detach the Rubber Sub PBA BTB Connector.

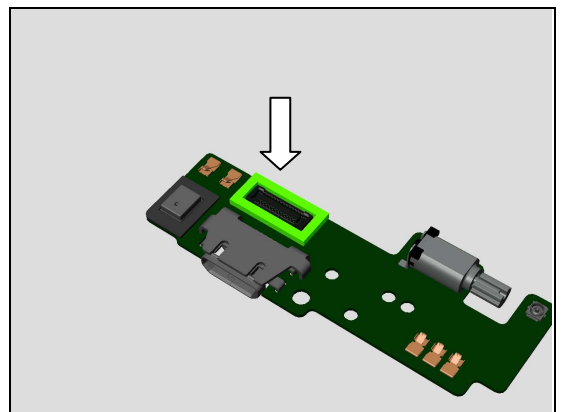
Scrap! Not to be reused!

Do not damage the components on the Sub PBA Assy!
Make sure all remaining adhesive residue have been removed!



INSTALLATION

Attach a new Rubber Sub PBA BTB Connector in its proper position.



Replacement

5.34 Sponge Indicator

Follow the 4.1 – 4.7 Disassembly instructions!
Follow the 5.10, 5.26, and 5.31 Removal instructions!
Prepare a new Sponge Indicator.
Follow the 5.10, 5.26, and 5.31 Installation instructions!
Follow the 6.3 – 6.9 Reassembly instructions!

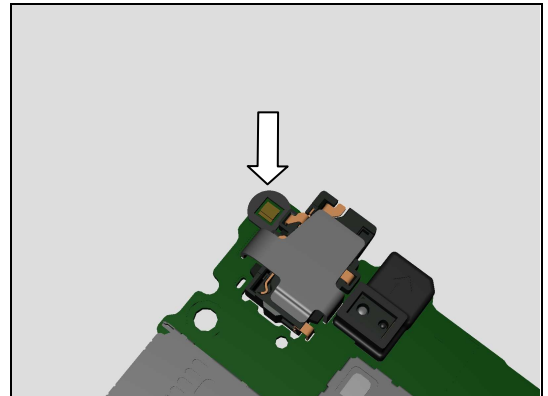
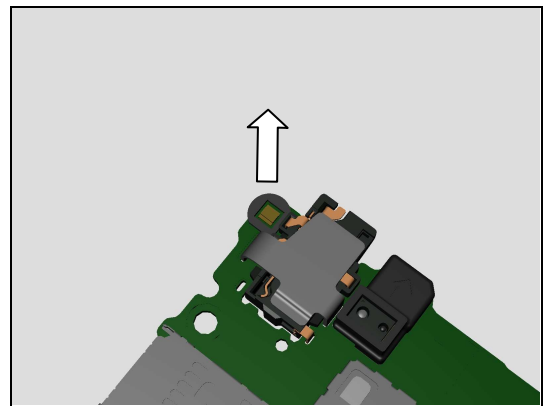
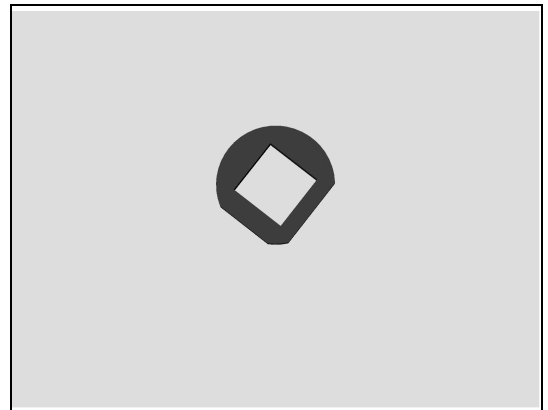
REMOVAL

Detach the Sponge Indicator.

Scrap! Not to be reused!
Do not damage the components on the Sub PBA Assy!
Make sure all remaining adhesive residue have been removed!

INSTALLATION

Attach a new Sponge Indicator in its correct direction as shown in picture.



Replacement

5.35 Sponge Main Camera BTB Connector

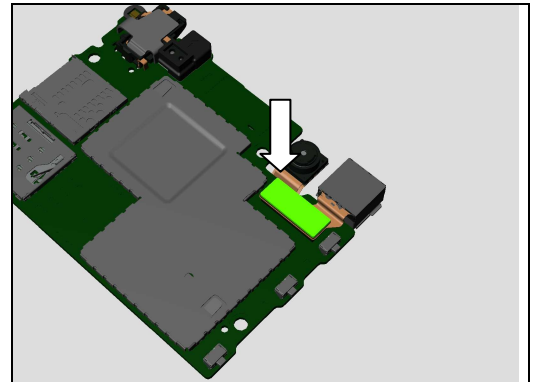
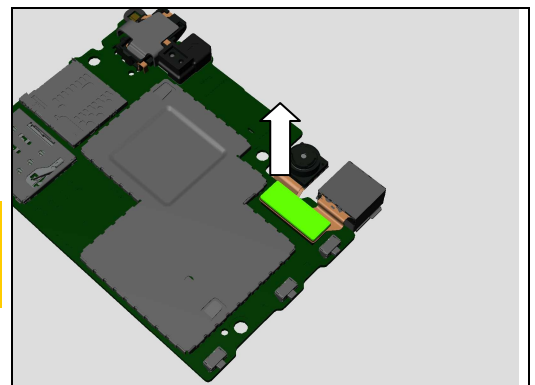
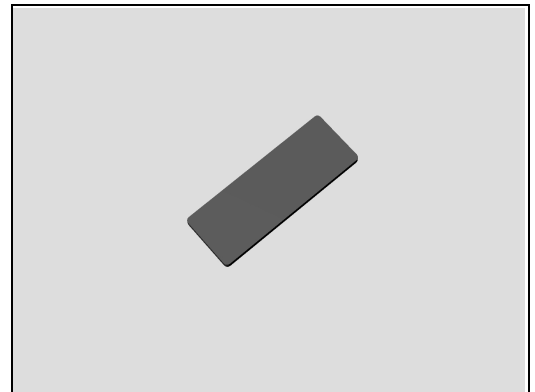
Follow the 4.1 – 4.7 Disassembly instructions!
Follow the 5.10, 5.26 and 5.31 Removal instructions!
Prepare a new Sponge Main Camera BTB Connector.
Follow the 5.10, 5.26 and 5.31 Installation instructions!
Follow the 6.3 – 6.9 Reassembly instructions!

REMOVAL

Detach the Sponge Main Camera BTB Connector.

Scrap! Not to be reused!

Make sure all remaining adhesive residue have been removed!



INSTALLATION

Attach a new Sponge Main Camera BTB Connector.

Replacement

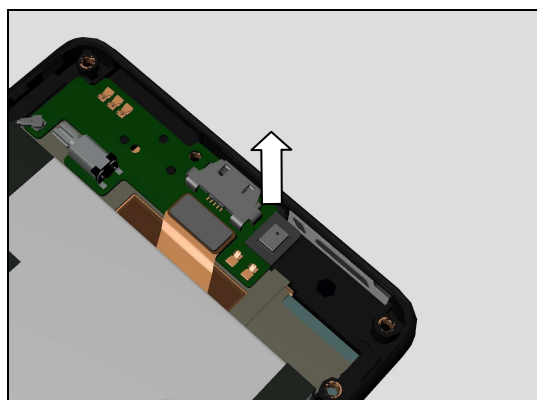
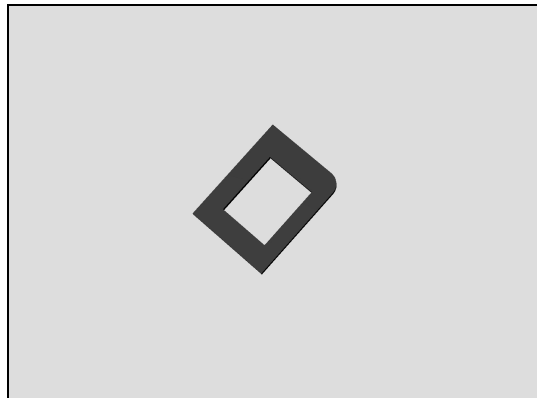
5.36 Sponge Main MIC

Follow the 4.1 – 4.4 and 4.8 – 4.9 Disassembly instructions!
Follow the 5.26 Removal instructions!
Prepare a new Sponge Main MIC.
Follow the 5.26 Installation instructions!
Follow the 6.1 – 6.2 and 6.6 – 6.9 Reassembly instructions!

REMOVAL

Detach the Sponge Main MIC.

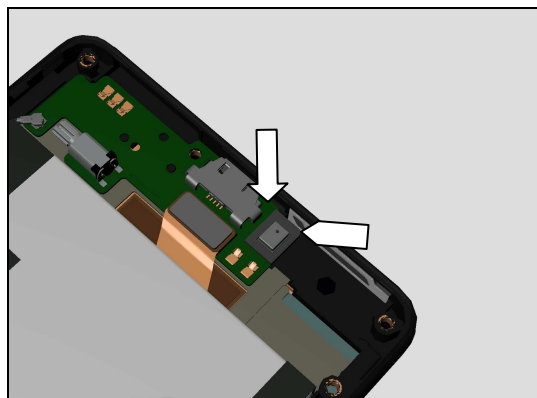
Scrap! Not to be reused!
Do not damage the components on the Sub PBA Assy!
Make sure all remaining adhesive residue have been removed!



INSTALLATION

Attach a new Sponge Main MIC in its proper position as shown in picture.

Note the correct orientation of the Sponge Main MIC to be installed as the arrow indicated in picture!



Replacement

5.37 Sponge Speaker_Main MIC

Follow the 4.1 – 4.4 and 4.8 – 4.9 Disassembly instructions!

Follow the 5.26 Removal instructions!

Prepare a new Sponge Speaker_Main MIC.

Follow the 5.26 Installation instructions!

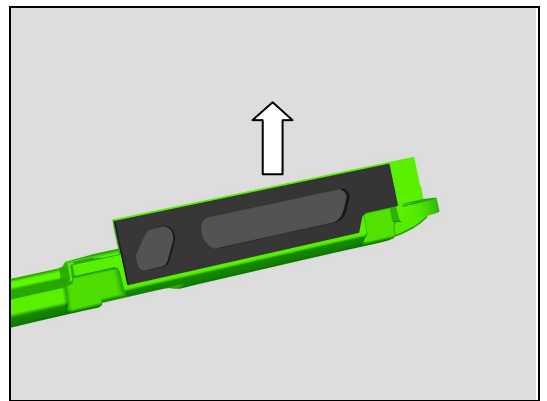
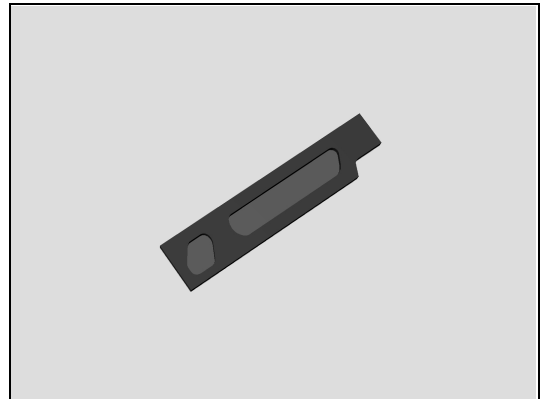
Follow the 6.1 – 6.2 and 6.6 – 6.9 Reassembly instructions!

REMOVAL

Detach the Sponge Speaker_Main MIC.

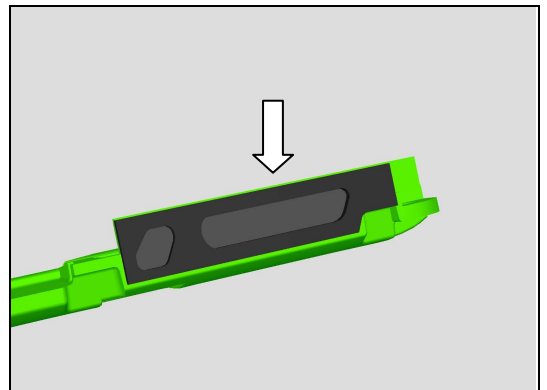
Scrap! Not to be reused!

Make sure all remaining adhesive residue have been removed!



INSTALLATION

Attach a new Sponge Speaker_Main MIC in alignment with the shape of the Main Antenna Speaker Assy as shown in picture.



Replacement

5.38 Sub PBA Assy

Follow the 4.1 – 4.4 and 4.8 – 4.9 Disassembly instructions!

Follow the 5.26 Removal instructions!

Prepare a new Sub PBA Assy.

Follow the 5.26 Installation instructions!

Follow the 6.1 – 6.2 and 6.6 – 6.9 Reassembly instructions!

REMOVAL

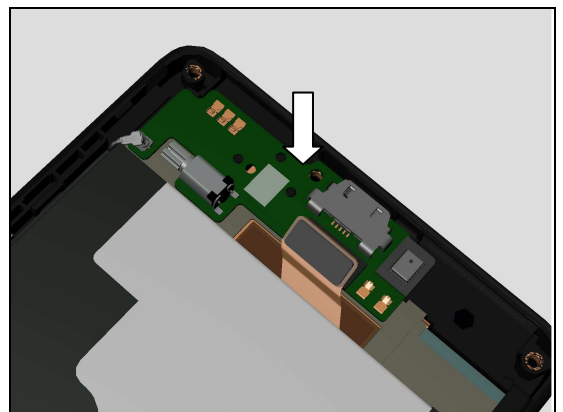
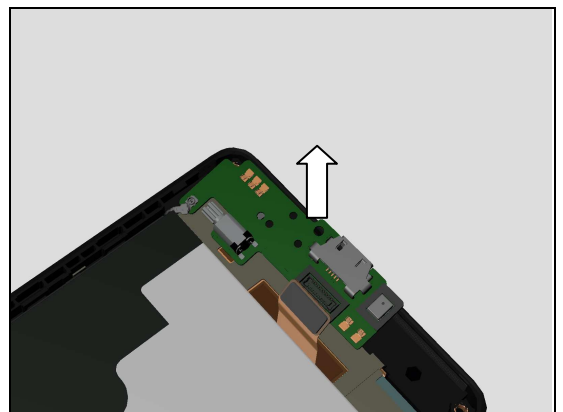
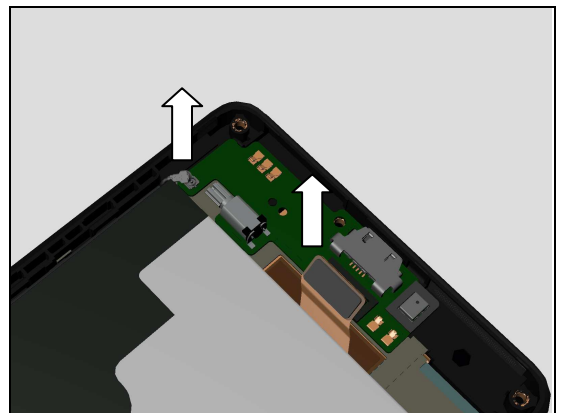
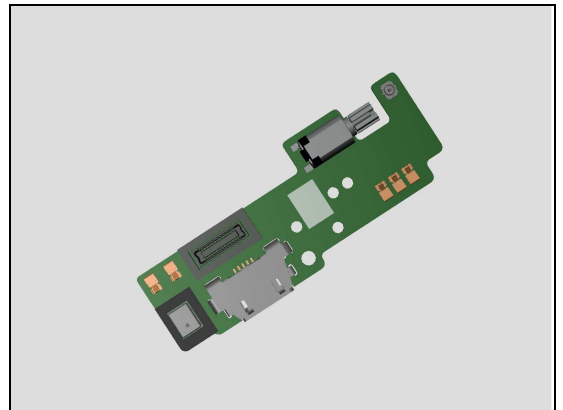
Disconnect the RF connector.

Disconnect the BTB Connector of the Main PBA_Sub PBA FPC.

Remove the Sub PBA Assy.

INSTALLATION

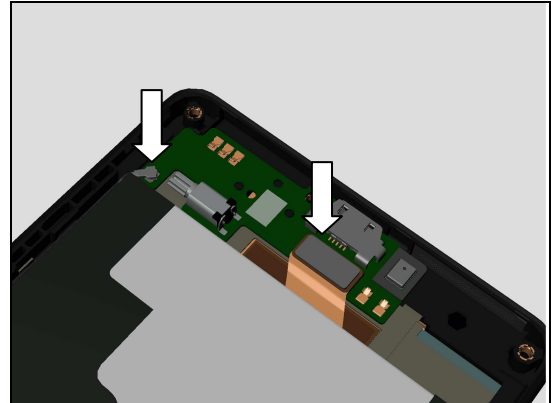
Mount the Sub PBA Assy to its proper position.



Replacement: Sub PBA Assy

Press to snap the RF connector.

Press to snap the BTB Connector of the Main PBA_Sub
PBA FPC.



Replacement

5.39 Water Intrusion Label

Follow the 4.1 – 4.4 and 4.8 – 4.9 Disassembly instructions!
Follow the 5.26, 5.33 and 5.38 Removal instructions!
Prepare a new Water Intrusion Label.
Follow the 5.26, 5.33 and 5.38 Installation instructions!
Follow the 6.1 – 6.2 and 6.6 – 6.9 Reassembly instructions!

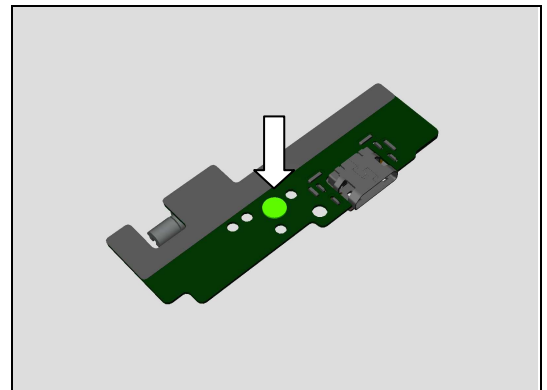
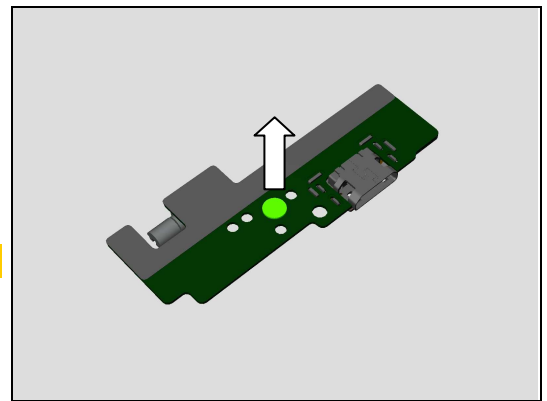
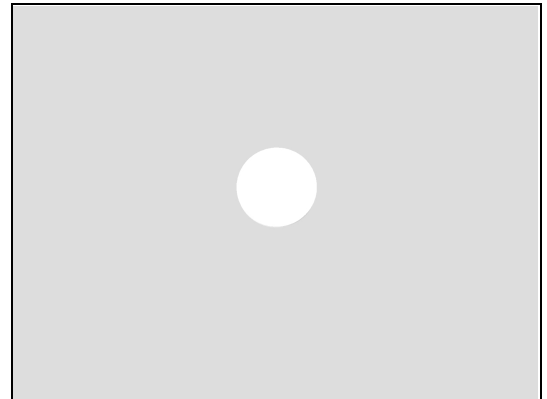
REMOVAL

Detach the Water Intrusion Label.

Scrap! Not to be reused!

INSTALLATION

Attach a new Water Intrusion Label in its proper position as shown in picture.



Replacement

5.40 Water Intrusion Label Rectangle

Follow the 4.1 – 4.7 Disassembly instructions!
Follow the 5.10, 5.26, and 5.31 Removal instructions!
Prepare a new Water Intrusion Label Rectangle.
Follow the 5.10, 5.26, and 5.31 Installation instructions!
 Follow the 6.3 – 6.9 Reassembly instructions!

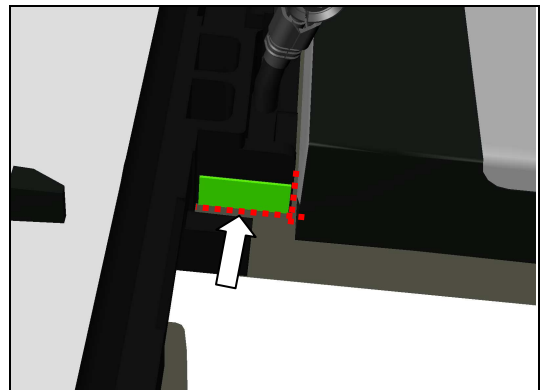
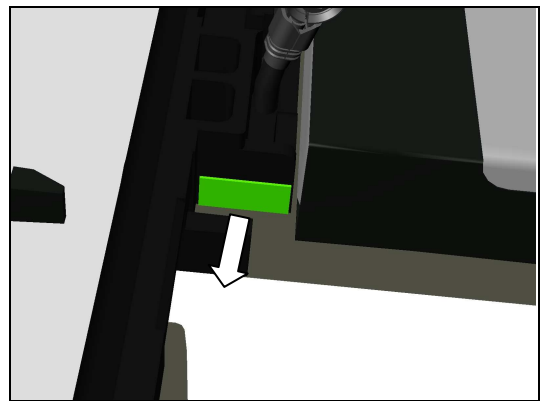
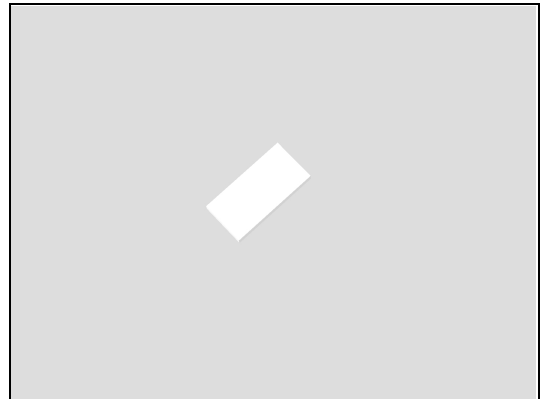
REMOVAL

Detach the Water Intrusion Label Rectangle.

Scrap! Not to be reused!

INSTALLATION

Attach a new Water Intrusion Label Rectangle in its proper position as shown in picture.



Replacement

5.41 Board Swap – Replacement

Follow the 4.1 – 4.7 Disassembly instructions!

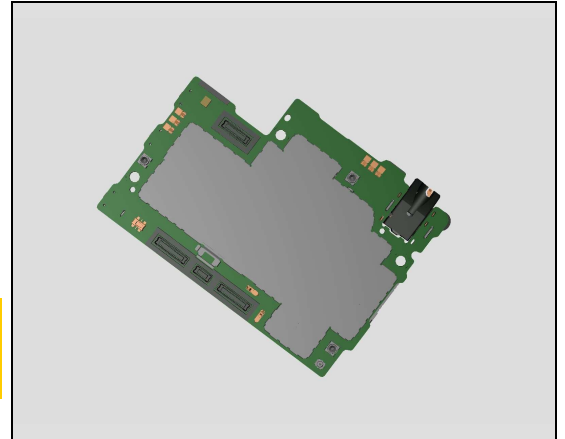
Follow the 5.10, 5.17, 5.19, 5.21, 5.23, and 5.26 Removal instructions!

Replace the Swap Board.

Follow the 5.10, 5.17, 5.19, 5.21, 5.23, and 5.26 Installation instructions!

Follow the 6.3 – 6.9 Reassembly instructions!

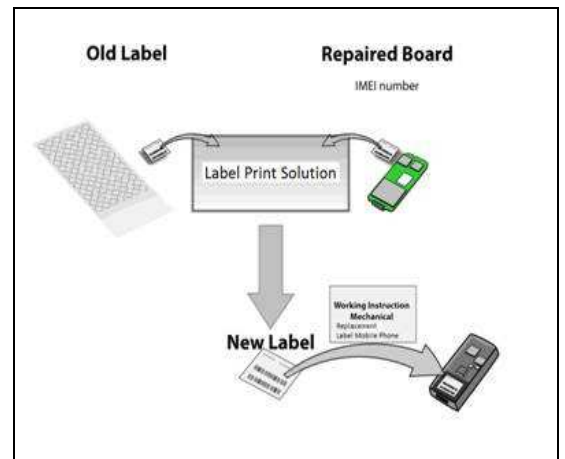
Proximity, Accelerometer Calibration and Color ID Flashing must be performed for all replaced units; 1289-2983 Trouble Shooting Application – mechanical.



5.42 Board Swap – Change Label

CHANGE LABEL

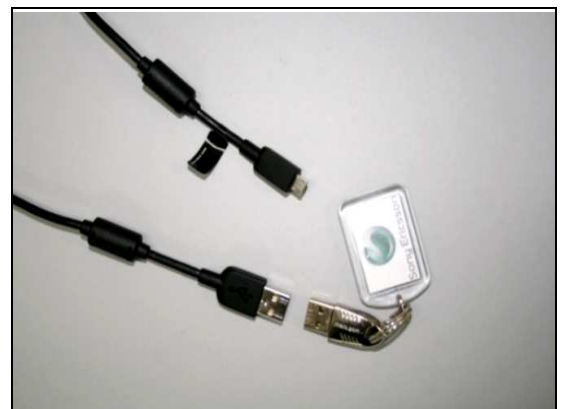
Follow the instructions in the Generic Repair Manual – Build swap for change of label.



5.43 Board Swap – Customize of Software

CUSTOMIZE OF SOFTWARE

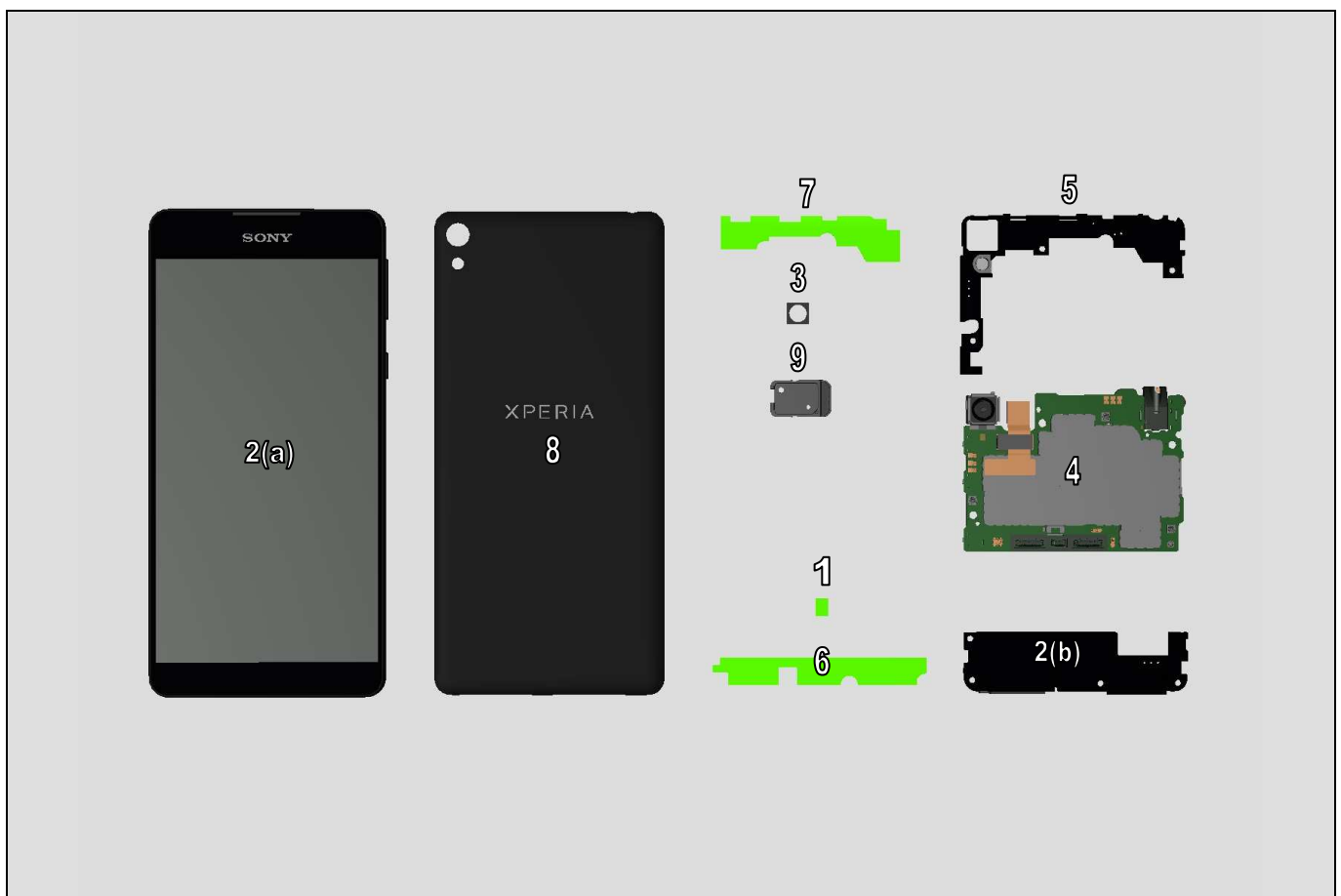
Follow the instructions in the Generic Repair Manual – Build swap for customization of the software.



6 Reassembly

The F3311/F3313 reassembly is done in the following order:

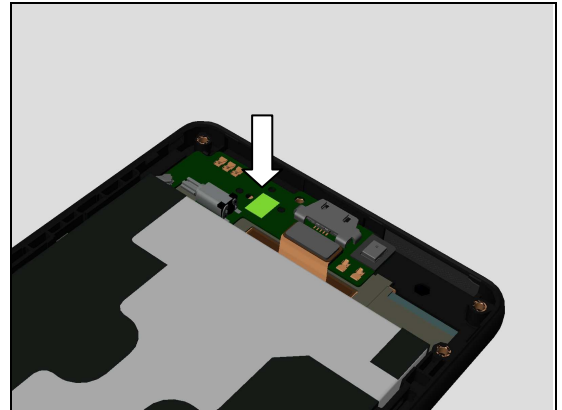
1. Adhesive Sub PBA
2. Display Cover Assy (a) and Main Antenna Speaker Assy (b)
3. Adhesive Rubber Front Camera
4. Main PBA
5. Div Antenna Assy
6. Adhesive Main Antenna Speaker Assy
7. Adhesive Div Antenna Assy_Back
8. Battery Cover Assy
9. SIM Tray Single



Reassembly

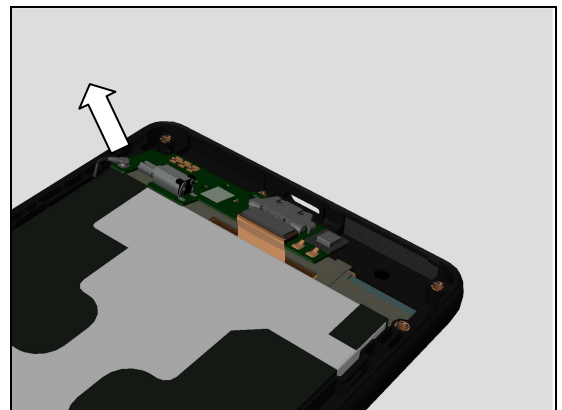
6.1 Adhesive Sub PBA

Attach a NEW Adhesive Sub PBA onto its proper position as shown in picture.



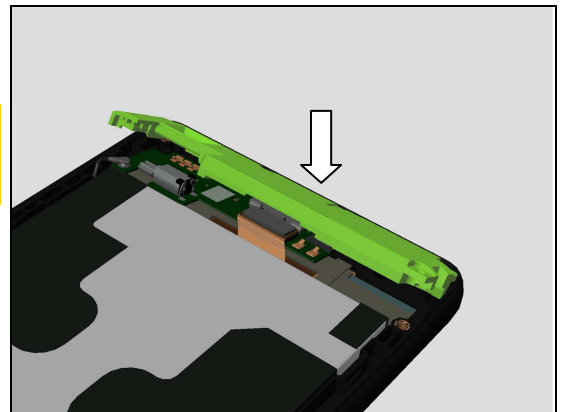
6.2 Display Cover Assy (a) and Main Antenna Speaker Assy (b)

Move the Sub PBA Assy as shown in picture to get space for inserting the ribs of the Main Antenna Speaker Assy between the Sub PBA Assy and the Display Cover Assy.

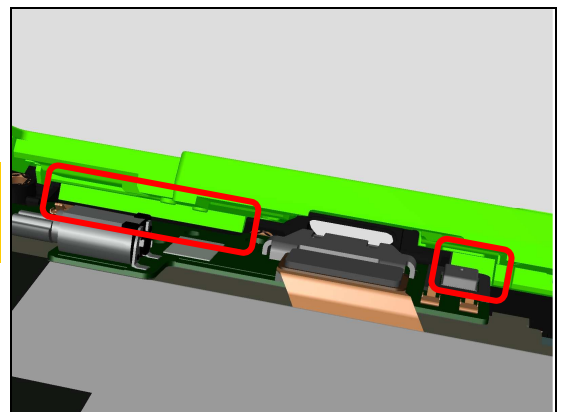


Follow the 5.37 Removal and Installation instructions to replace a new Sponge Speaker_Main MIC if it is damaged.

Insert to mount the bottom side of the Main Antenna Speaker Assy as shown in picture.

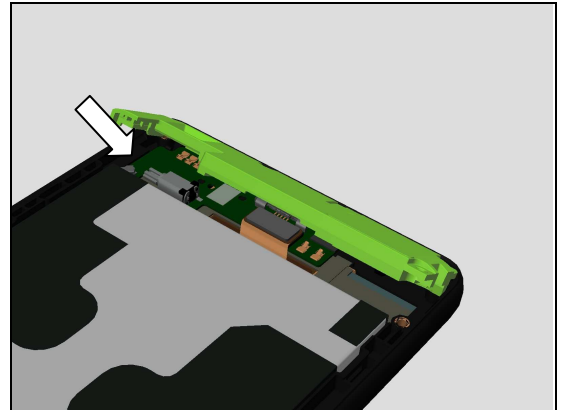


Make sure the ribs of the Main Antenna Speaker Assy are inserted between the Sub PBA Assy and the Display Cover Assy.

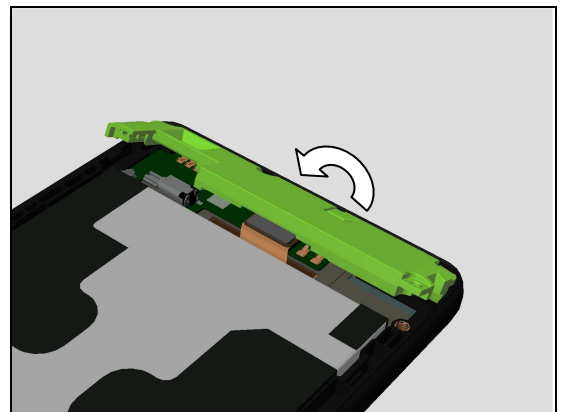


Reassembly

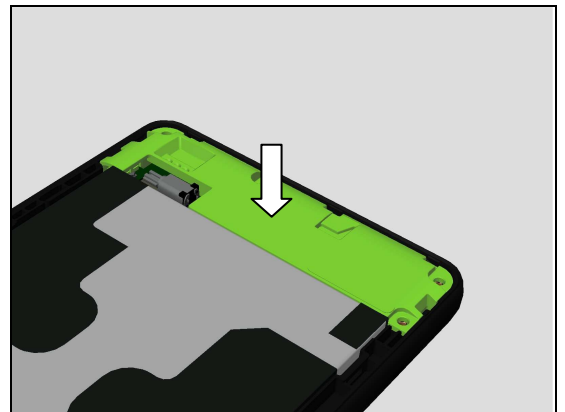
Then move back the Sub PBA Assy as much as possible as shown in picture.



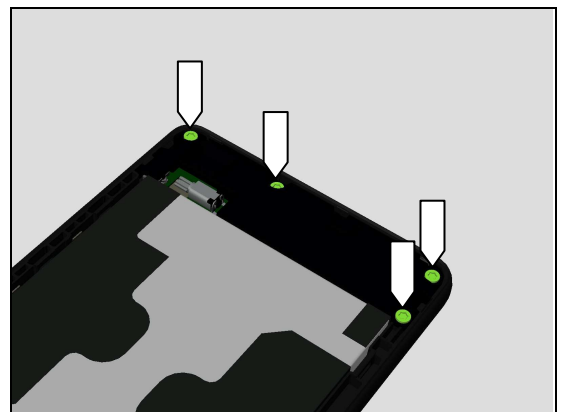
Rotate the Main Antenna Speaker Assy as shown in picture.



Press to snap the Main Antenna Speaker Assy.



Apply 9Ncm torque when tightening the four Screw TORX M1.6 L3 Black with Bits T5.

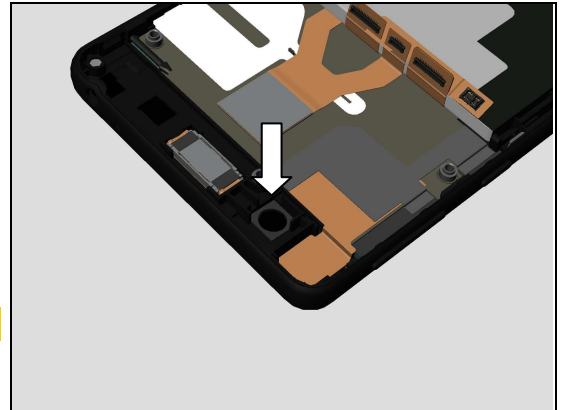


Reassembly

6.3 Adhesive Rubber Front Camera

Attach a NEW Adhesive Rubber Front Camera into its proper position as shown in picture.

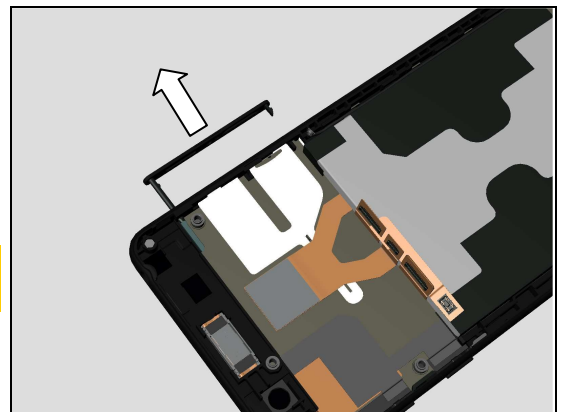
Clean the adhesive residues before attaching.



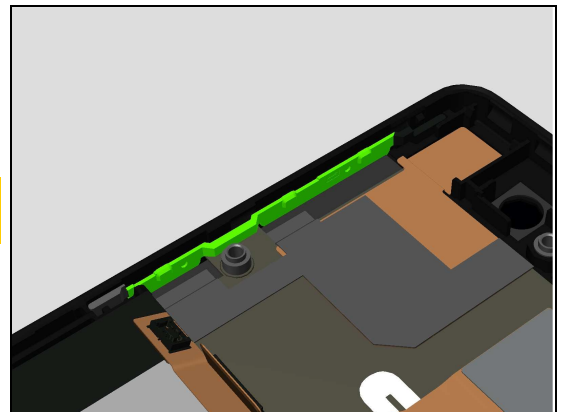
6.4 Main PBA

Open the Cap SIM/SD before Main PBA assembly.

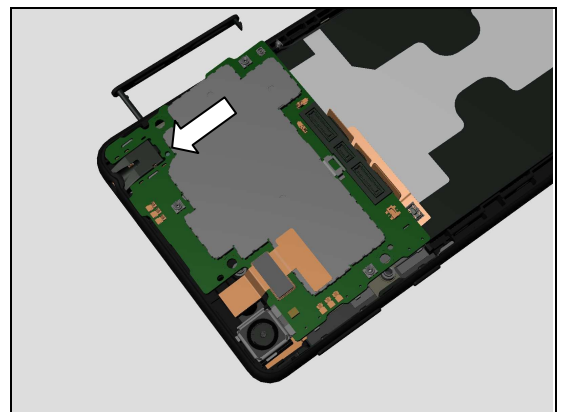
It has risk to damage the components on the Main PBA by the tail of the Cap SIM/SD when Main PBA assembly!



Make sure the Key Power_Volume is in its proper position before Main PBA assembly.

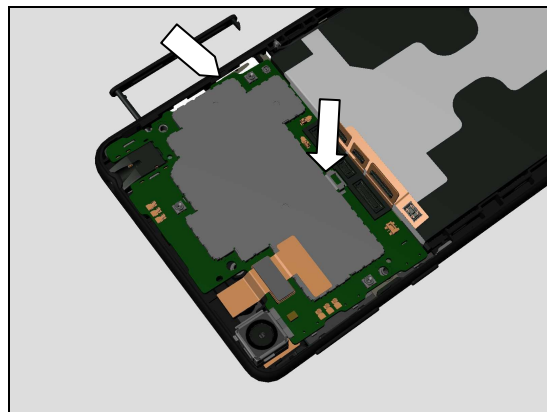


Insert to mount the Audio Jack of the Main PBA into its hole as shown in picture.

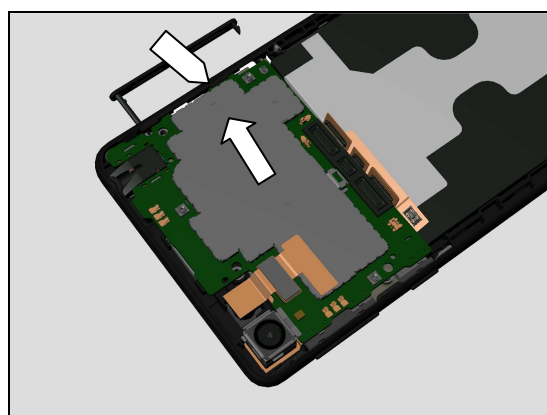


Reassembly

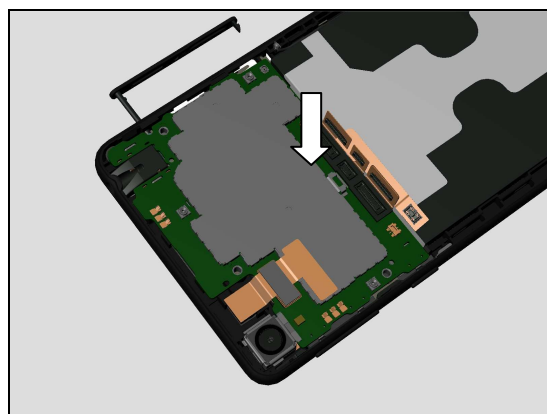
Mount the Main PBA to align it with the SIM/SD hole as shown in picture.



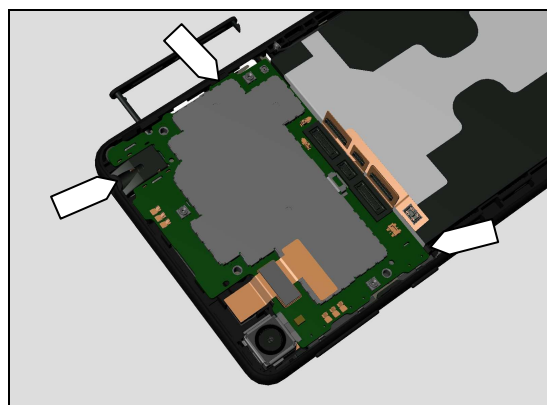
Turn the Main PBA a little to insert it into the SIM/SD hole as shown in picture.



Press to snap the Main PBA.

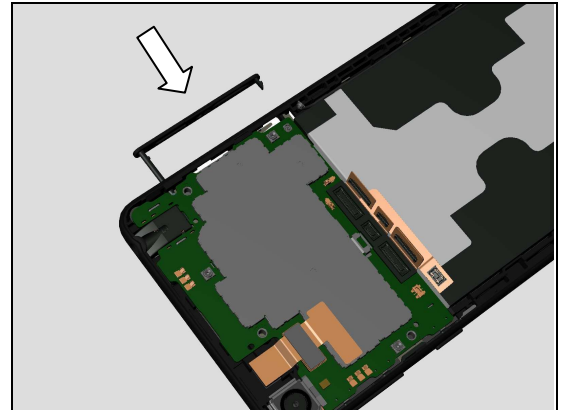


**Make sure the Main PBA is snapped into its cavity.
Press the Key Power_Volume to make sure its correct
contact with the switches on the Main PBA.**

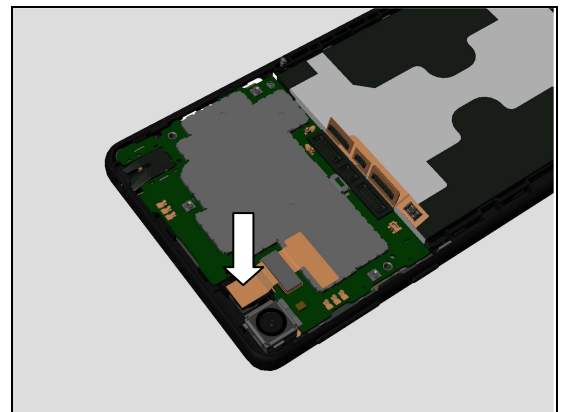


Reassembly

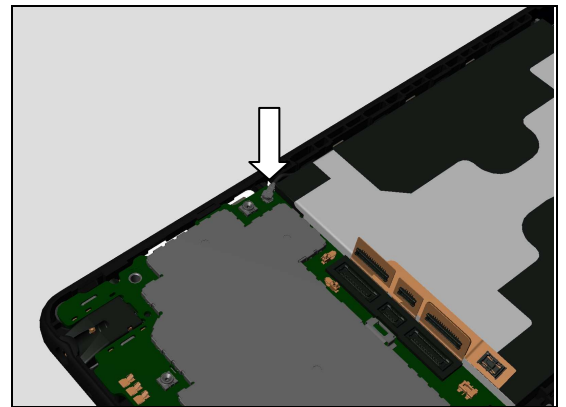
Close the Cap SIM/SD.



Press to attach the Front Camera onto the Adhesive Rubber Front Camera.

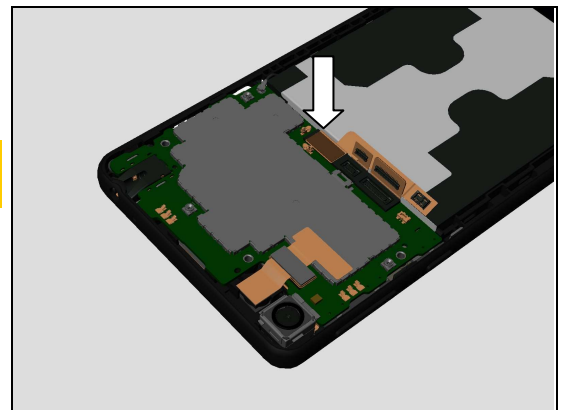


Press to snap the RF Cable connector.



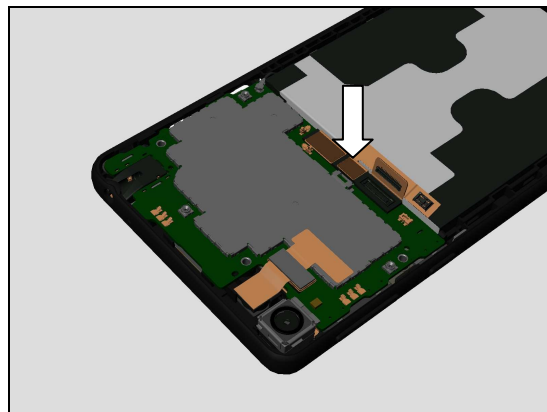
Follow the 5.31 Removal and Installation instructions to replace a new Rubber LCM TP BTB Connector.

Press to snap the connector of LCM.

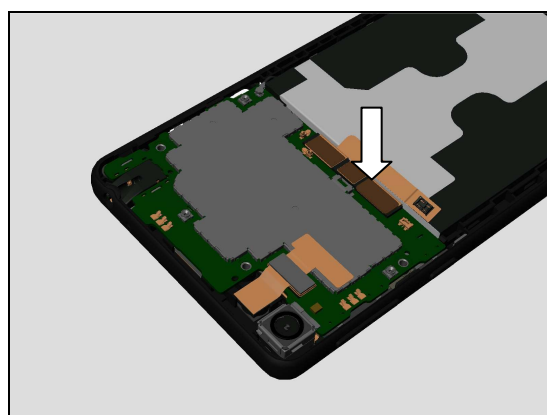


Reassembly

Press to snap the connector of the touch panel.



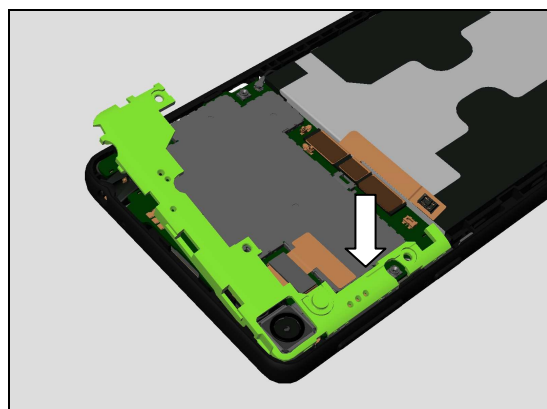
Press to snap the connector of the Main PBA_Sub PBA FPC.



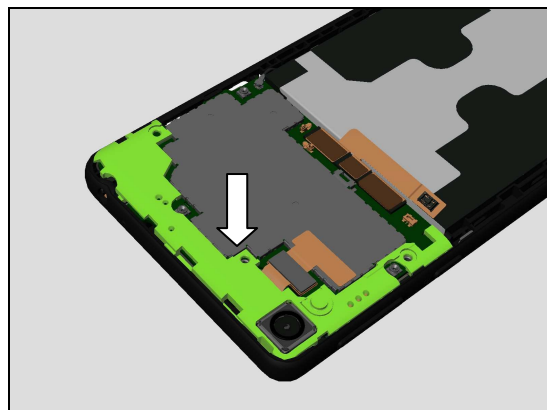
6.5 Div Antenna Assy

Follow the 5.10 Removal and Installation instructions to replace a new Adhesive Div Antenna Assy_Front.

Mount the Div Antenna Assy.

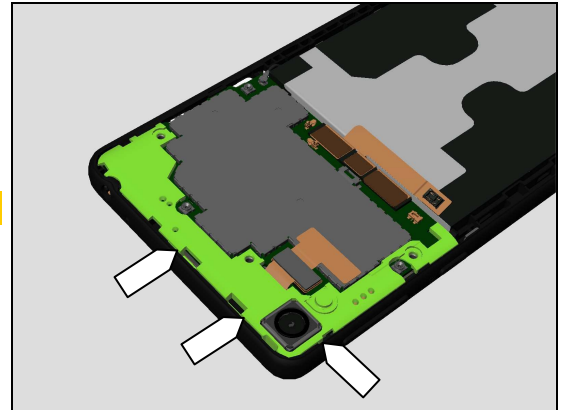


Press to snap the Div Antenna Assy.

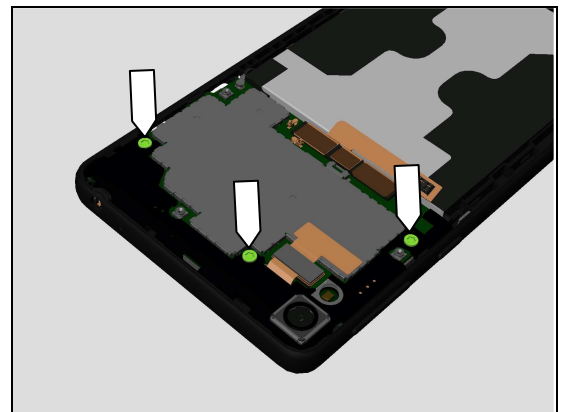


Reassembly

Make sure the hooks are snapped as shown in picture.



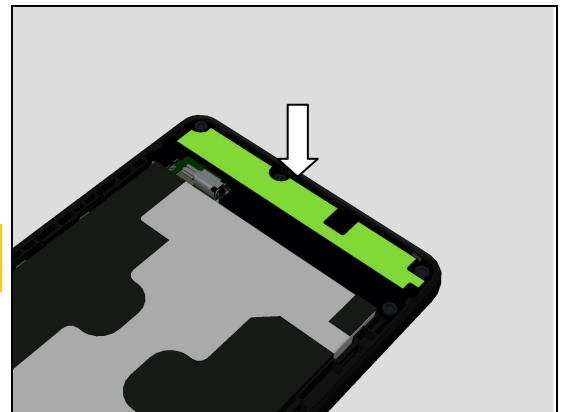
Apply 9Ncm torque when tightening the three Screw TORX M1.6 L3 Black with Bits T5.



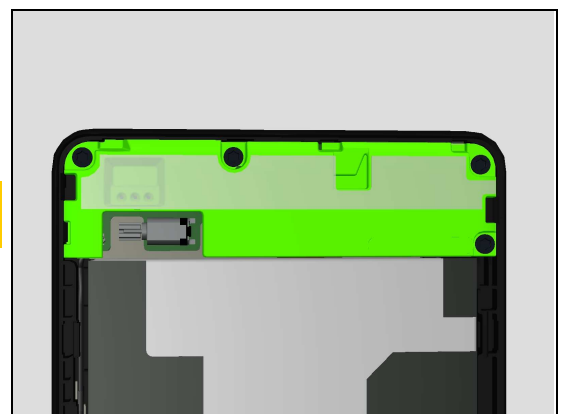
6.6 Adhesive Main Antenna Speaker Assy

Make sure all remaining adhesive residue on the Main Antenna Speaker Assy have been removed.

Attach a new Adhesive Main Antenna Speaker Assy.



Use the shape of the Adhesive Main Antenna Speaker Assy for alignment as shown in picture.



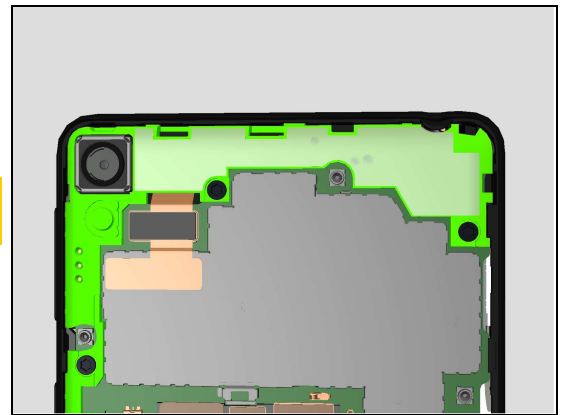
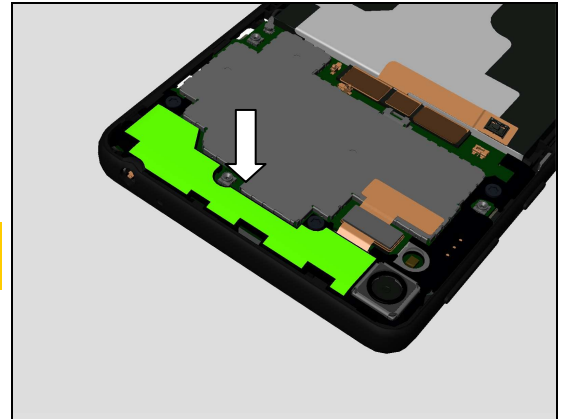
Reassembly

6.7 Adhesive Div Antenna Assy_Back

Make sure all remaining adhesive residue on the Div Antenna Assy have been removed.

Attach a new Adhesive Div Antenna Assy_Back.

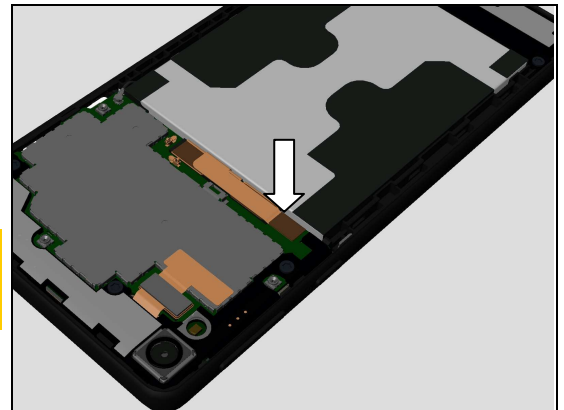
Use the shape of the Adhesive Div Antenna Assy_Back for alignment as shown in picture.



6.8 Battery Cover Assy

Press to snap the Battery connector.

Use Isopropyl Alcohol – 99 % to clean around the attaching area of the NFC Adhesive on the shielding can lid before assembly of the Battery Cover Assy.



Follow the 5.18 Removal and Installation instructions to replace a new NFC Antenna and Copper Foil Battery Cover if the NFC Antenna detached or damaged, and/or Copper Foil Battery Cover detached or wrinkled.

Follow the 5.26 Removal and Installation instructions to replace a new NFC Adhesive.

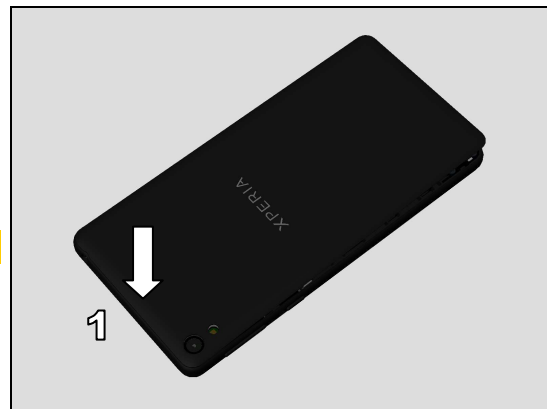
Use Isopropyl Alcohol – 99 % to clean around the attaching area of the Adhesive Main Antenna Speaker Assy and the Adhesive Div Antenna Assy_Back on the Battery Cover Assy before assembly of the Battery Cover Assy.



Reassembly

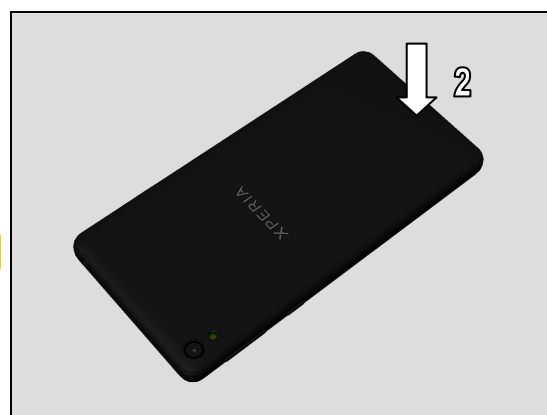
Press to snap the hooks on the top side of the Battery Cover Assy (1).

Make sure all the hooks are snapped.



Then press to snap the hooks on the bottom side of the Battery Cover Assy (2).

Make sure all the hooks are snapped.



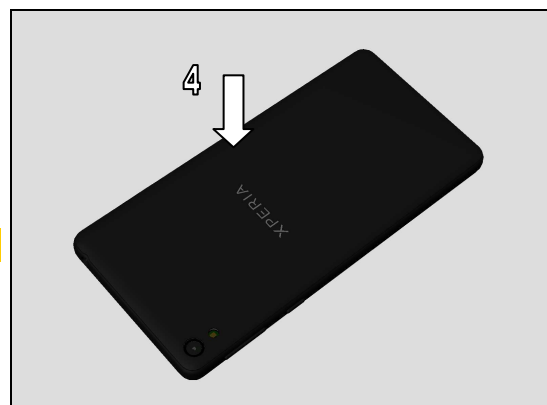
Then press to snap the hooks on the left side of the Battery Cover Assy (3).

Make sure all the hooks are snapped.



Then press to snap the hooks on the right side of the Battery Cover Assy (4).

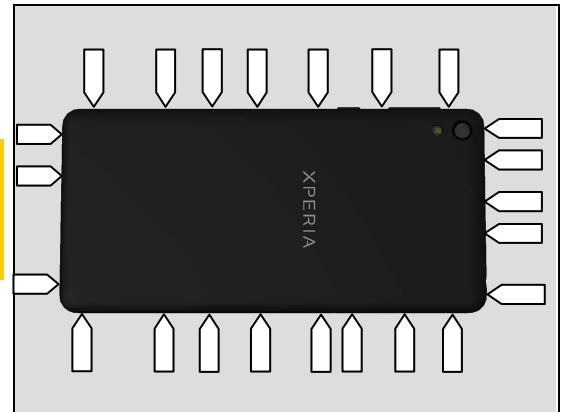
Make sure all the hooks are snapped.



Reassembly

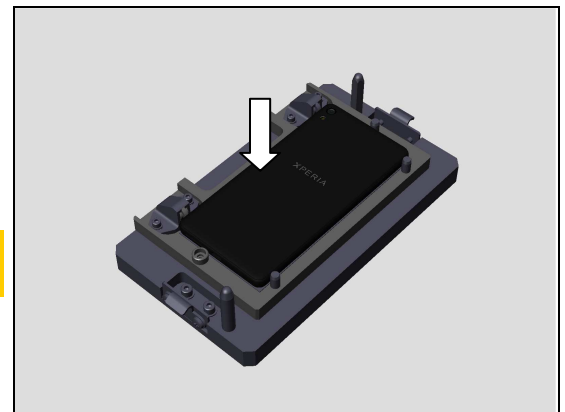
The positions of all the Battery Cover Assy hooks as shown in picture.

Note! The sequence of snapping the hooks: 1) top side, 2) bottom side, 3) left side, 4) right side.

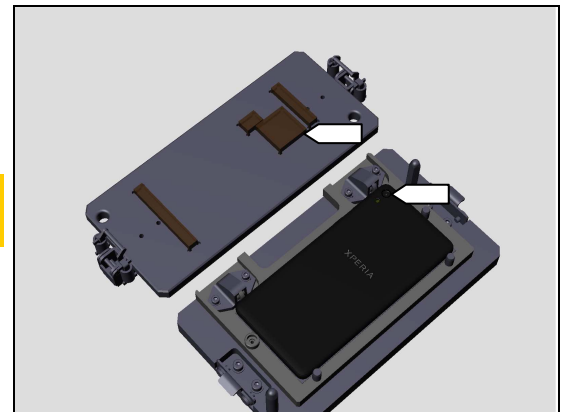


Place the phone (with the Battery Cover Assy upwards) onto the Rear Panel Press Tool Bottom in its proper position as shown in picture.

Note the correct orientation of the phone to be installed as shown in picture!

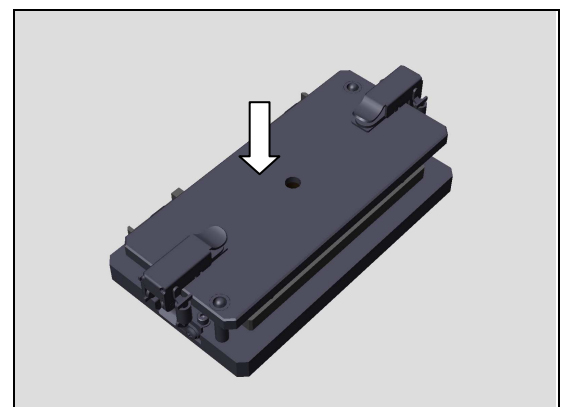


Note the correct orientation of the Rear Panel Press Tool Top Inlay to be installed as shown in picture!



Place the Rear Panel Press Tool Top Inlay and lock it as shown in picture.

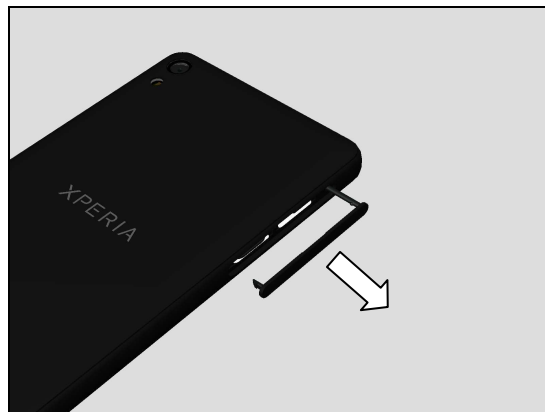
Keep pressing for 10 seconds.



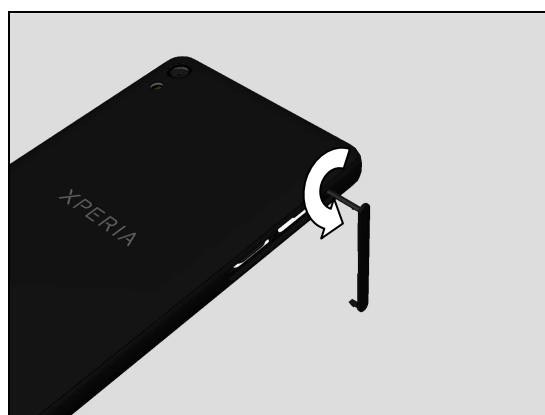
Reassembly

6.9 SIM Tray Single

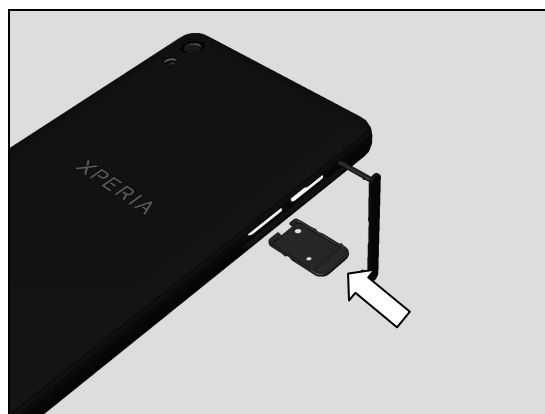
Open the Cap SIM/SD.



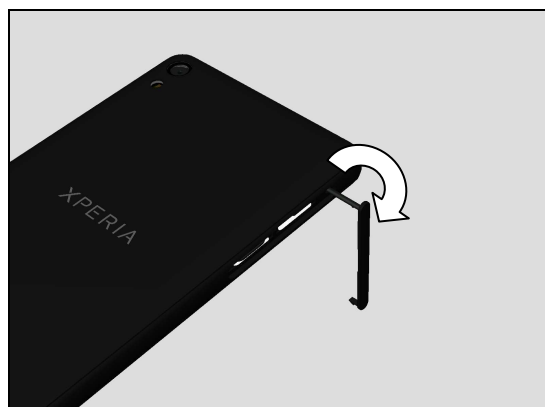
Turn the Cap SIM/SD.



Insert the SIM Tray Single.



Turn the Cap SIM/SD back.



Reassembly

Close the Cap SIM/SD.

Proximity and Accelerometer Calibration must be performed after reassembly; 1289-2983 Trouble Shooting Application – mechanical.



7 Revision History

Rev.	Date	Changes / Comments
1	2016-Jun-08	Initial release
2	2016-Jul-22	Updated Mandatory Replacement List
3	2016-Jul-25	<ol style="list-style-type: none"> 1. Updated disassembly method of the Main Antenna Speaker Assy in chapter 4.8. 2. Updated reference info in chapter 5.5. 3. Updated note for chapter 5.9: no need Accelerometer Calibration after replace Display Cover Assy. 4. Added note for the last picture of chapter 5.12. 5. Added note for the 4th picture of chapter 5.13. 6. Added note and updated instructions for installation of chapter 5.18. 7. Added one more note and its picture to check rubber of the Key Power_Volume is mounted correctly in installation of chapter 5.22. 8. Deleted installation of the Sponge Main Camera BtB Connector in chapter 5.23. 9. Added one more note for installation of chapter 5.31. 10. Updated the Main PBA assembly process and notes in chapter 6.4. 11. Added picture to show the correct direction of the Rear Panel Press Tool Top Inlay to be installed in chapter 6.8.