

Working Instructions

- mechanical -



Xperia™ XZ Premium
G8141, G8142 (Dual SIM)

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General Notes

For general information about mechanical repair related issues, refer to 1220-1333: Generic Repair Manual - mechanical - (under the RE4250: Repair - Mechanical - Repair instructions).

Always firstly disconnect the Battery FPC BtB connector to cut off power supply when the Panel Rear Sub Assy is disassembled.

Always finally connect the Battery FPC BtB connector before the Panel Rear Sub Assy is reassembled.

After repairing/reassembling the unit, calibration by CS-Everest, and flashing software Customize by Emma is required.

Calibration tool “CS-Everest 1309-7255” is available at Repair Information.

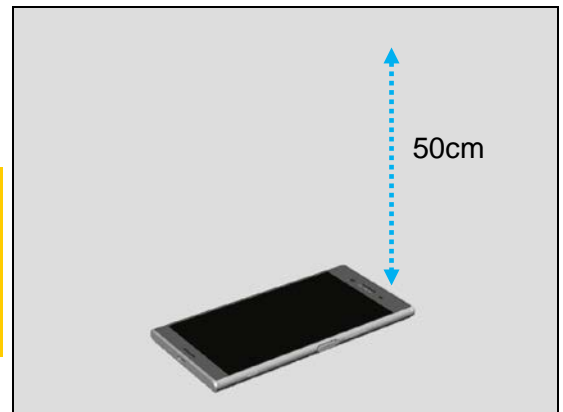
It is posted under the RE4251: Repair - Mechanical - Tools and Equipment (including Repair Software).

When perform calibration, put the unit on a stable place, facing up, and no any objects within 50cm.

Note!

Remove the protection film if sensor window is covered by it.

The sensor window shouldn't be covered by any materials for proximity sensor calibration.



Flashing Customize or Refurbish in Emma must be performed when replace Top Speaker and/or Bottom Speaker.

Aged Battery Reset in EMMA must be performed when Battery is replaced (installed brand new Battery) in order to delete battery log data.

Camera (both Main Camera and Front Camera) is sensitive for the dust.

Don't touch the lens area of the camera during repairing.

1 Exterior Views

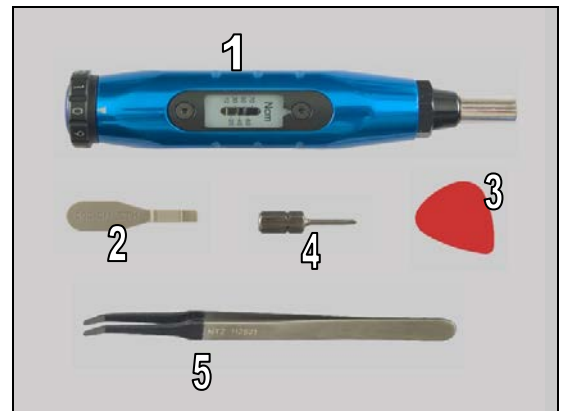
G8141, G8142



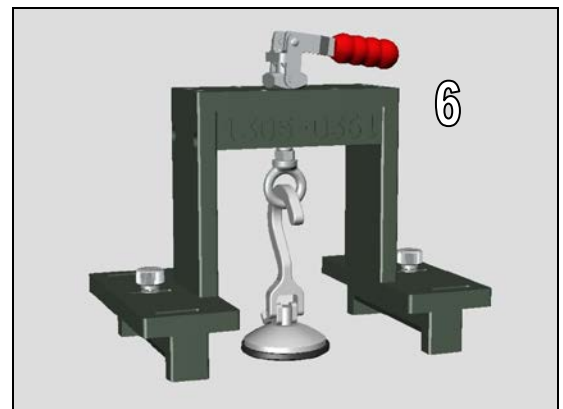
2 Tools

SPECIAL TOOLS

1. Torque Screwdriver 2-30Ncm (1233-2284)
2. Front Opening Tool (NTZ 112 302/2)
3. Guitar Pick (NTZ 112 590)
4. Bits (JCIS No 0) (NTZ 112 1052)
5. Flex Film Assembly Tool (NTZ 112 521)



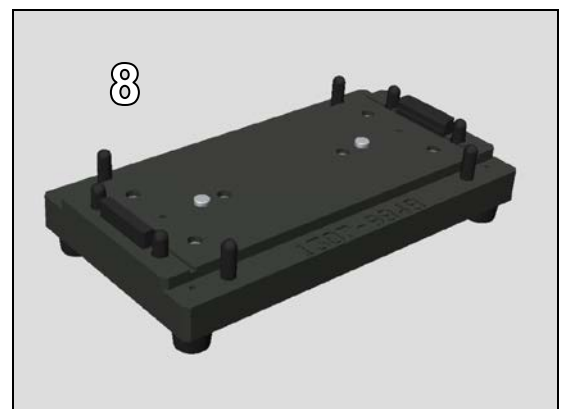
6. Panel Disassembly Tool (1305-0361)
(Including Vacuum Cup for Tool 1305-7901.)



7. Vacuum Cup for Tool (1305-7901)
(Maintenance parts for Panel Disassembly Tool 1305-0361.)



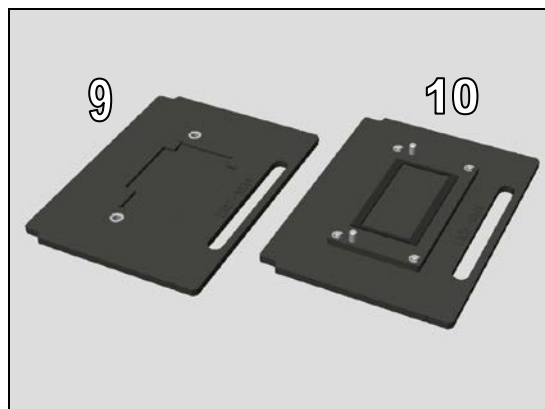
8. Rear Panel Adhesive Positioning Fixture (1307-9848)



Tools

9. Press Inlay Bottom (1307-9839)

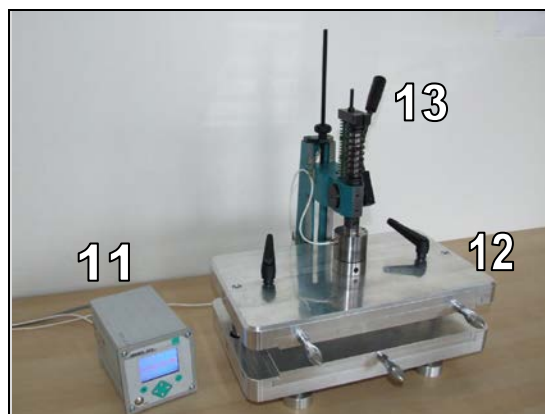
10. Press Inlay Top (1307-9846)



11. Load cell measurement kit (1274-3895)

12. Generic Fixture for Presstool (1273-4413)

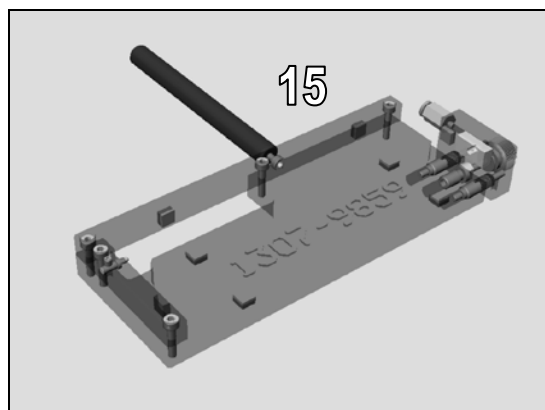
13. Toothed Rack Press (1281-2676)



14. Media Cable TypeC Cable (Black) (1302-1935)

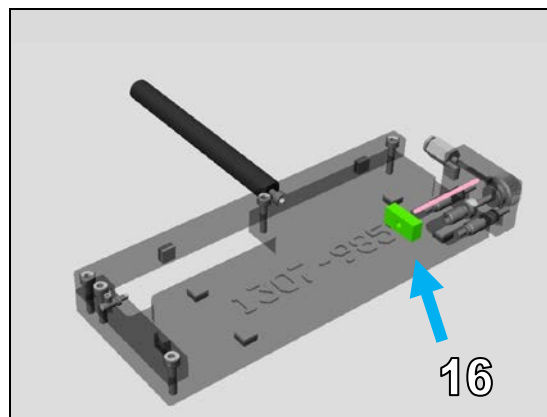


15. WRT Fixture (1307-9859)

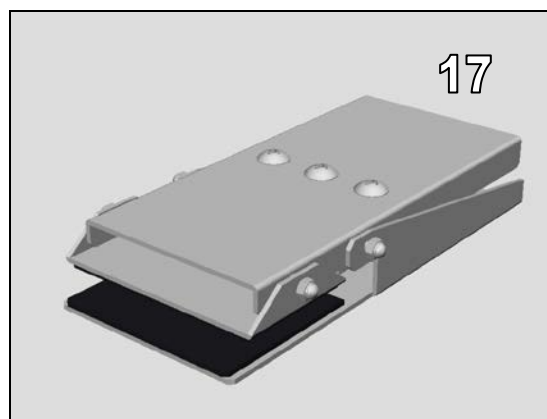


Tools

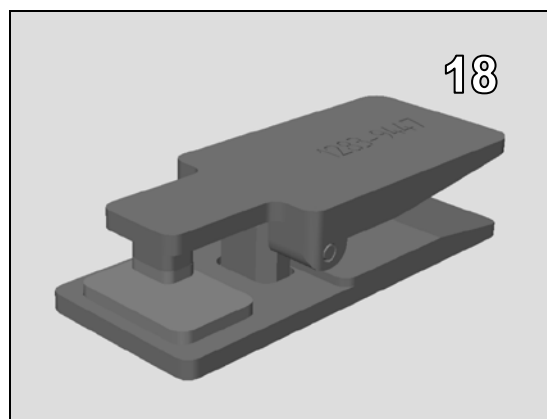
16. Silicon Suction Cup (1309-2400)
(Maintenance parts for WRT Fixture 1307-9859.)



17. Press Clamp (1304-6943)
(For pressing Battery, and NFC Antenna)



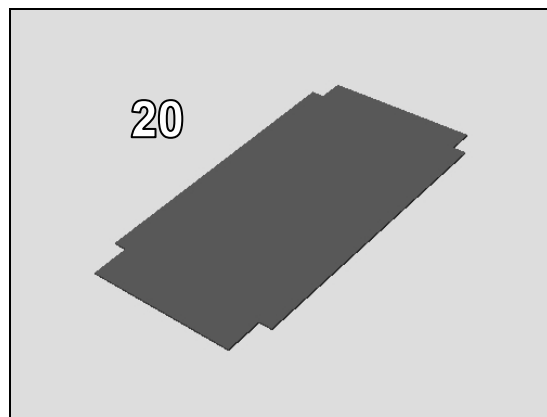
18. Earspeaker/Loudspeaker Top Press Tool (1283-9447)
(For pressing Top and Bottom Speaker)



19. FP Sensor Press Tool (1303-0508)



20. Disassembly Sheet (1295-5578)



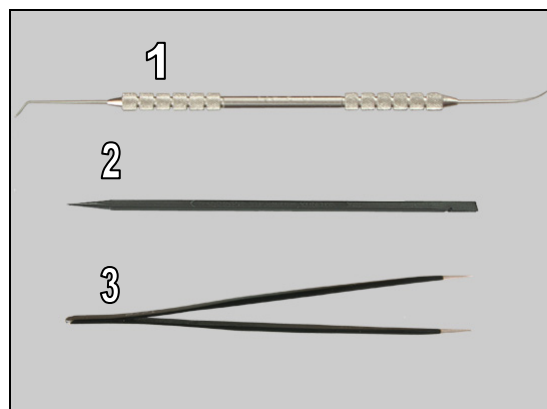
21. Speaker Box Connector Tool (1310-6208)



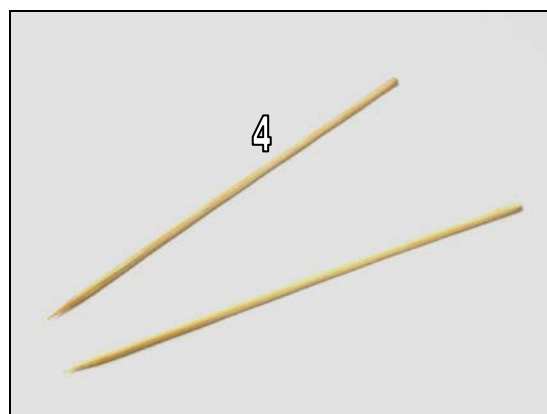
Tools

STANDARD TOOLS TOOLS

1. Dentist Hook
2. Nylon Pointer
3. Tweezers



4. Bamboo Skewer



5. Screwdriver PH0 x 100



6. Tweezers (Curved Tip)



Refer to the 1003-9107 Tools Catalogue for detail of standard tools.

3 Mandatory Replacement Parts List

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



G81 Mandatory Replacement Part List

Targeted replacement parts are listed

G8141, G8142 Mandatory Replacement Parts List

Mandatory replacement part	Part #	Refurbish	Target replacement part													
			Main Camera	NFC Ant	Battery	Main PBA	Front Camera	Top Speaker	Audio Jack	Bottom Speaker	Front Assy (LCD)	USB Connector	FP Sensor Assy	Key FPC	PBA ANT	Vibrator
Adhesive Battery A.1	1306-6934	1	1	1						1	1	1	1	1	1	
Adhesive Battery A.2	1306-6935	1	1	1						1	1	1	1	1	1	
Adhesive FPC Key Camera	1306-6937										1	1	1	1	1	
Adhesive FPC Key Relay	1306-7311	1									1	1	1	1	1	
Adhesive FPC Key Volume	1306-6961										1	1	1	1	1	
Adhesive Holder Vib	1309-4799	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Adhesive Key FPC Battery A	1309-1668	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Adhesive Key FPC Battery B	1309-1672	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Adhesive Key FPC Battery A	1309-1668	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Adhesive Plate GND ANT Main	1306-6967									1	1	1	1	1	1	
Adhesive Speaker Box FPC Key	1306-6962	1								1	1	1	1	1	1	
Adhesive WIP Audio Jack	1306-6963	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Adhesive WIR Panel Rear	1306-6977	1								1	1	1	1	1	1	1
Adhesive WIR Receiver	1306-6927									1	1	1	1	1	1	
Adhesive WIR Speaker Box	1306-6950	1								1	1	1	1	1	1	
Ant NFC Flex	1306-6244				1											
Battery 3230.0 mAh	1306-6979				1											
Bottom Speaker																
Loudspeaker Box 00	1306-6760									1						
Loudspeaker Box	1306-6768															
Cap Tray																
Cap Tray Assy 00 Black	1307-9992															
Cap Tray Assy 00 Chrome	1307-9996															
Cap Tray Assy 00 Pink	1307-9995	1														
Cap Tray Assy 00 Black	1307-9998															
Cap Tray Assy 00 Chrome	1307-9999															
Cap Tray Assy 00 Pink	1307-9999															
Cushion Acc	1306-6964															
Cushion FPC USB	1306-6939	1										1				
Cushion PBA	1306-6938					2										
PICTIVE Camera 13 MPixel	1306-6927						1									
PICTIVE Camera 19.3 MPixel	1307-9992		1													
FP Sensor Assy																
FP Sensor Assy Black	1307-9933	1											1			
FP Sensor Assy Silver	1307-9936															
FPC Assembly JN FPC module	1306-6966	1							1							
FPC Assembly Key FPC module	1306-6132	1												1		
FPC Assembly USB FPC module	1306-6132	1										1				
FPC Assembly VIB FPC module	1306-6125															1
Front Assy																
Front Assy 00 Black	1307-9960															
Front Assy 00 Chrome	1307-9961															
Front Assy 00 Pink	1307-9973	1									1					
Front Assy 00 Black	1307-9985															
Front Assy 00 Chrome	1307-9987															
Front Assy 00 Pink	1307-9988															
Label MoP	1306-7694	1				1										
Panel Rear																
Panel Rear Sub Assy Black	1306-7154															
Panel Rear Sub Assy Chrome	1306-7162															
Panel Rear Sub Assy Pink	1307-5783	1														
Panel Rear Sub Assy Black IND	1307-9938															
Panel Rear Sub Assy Chrome IND	1307-9939															
Panel Rear Sub Assy Pink IND	1307-9940															
PBA ANT																
PBA ANT 00	1306-6979														1	
PBA ANT 00	1306-6979															
Screw M1.4x2.0	1306-7000	6		2	2	2	1	2	2	2	6	2	6	6	2	
Screw M1.4x3.4	1306-7001	8	3	7	7	7	3	7	7	8	8	8	7	7	8	5
Sheet BtoB Sub Camera	1306-6943						1									
Sheet Conductive Main Camera	1307-5573		1													
Sheet FPC Key	1306-7310													1		
Sheet FPC USB	1307-5497	1										1				
Sheet Magnetic FPC USB	1306-4220	1										1				
Sheet Tray MoP	1306-6932	1														
Speaker	1277-7136							1								
Top Speaker																
Top Speaker																

Mandatory replacement parts for refurbishment.

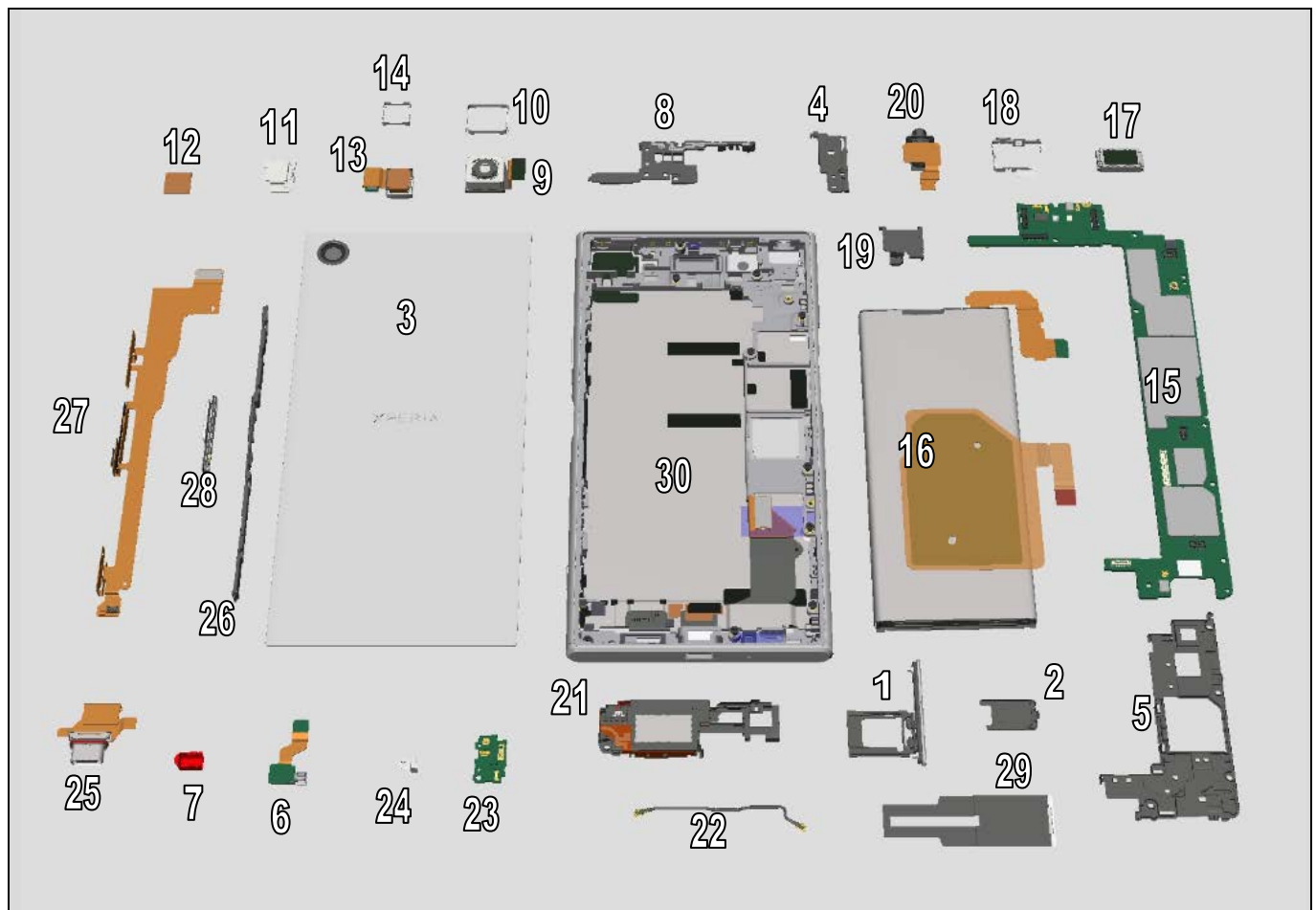
Parts that is required to replace in addition to target replacement parts.

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

4 Disassembly

The disassembly is done in the following order:

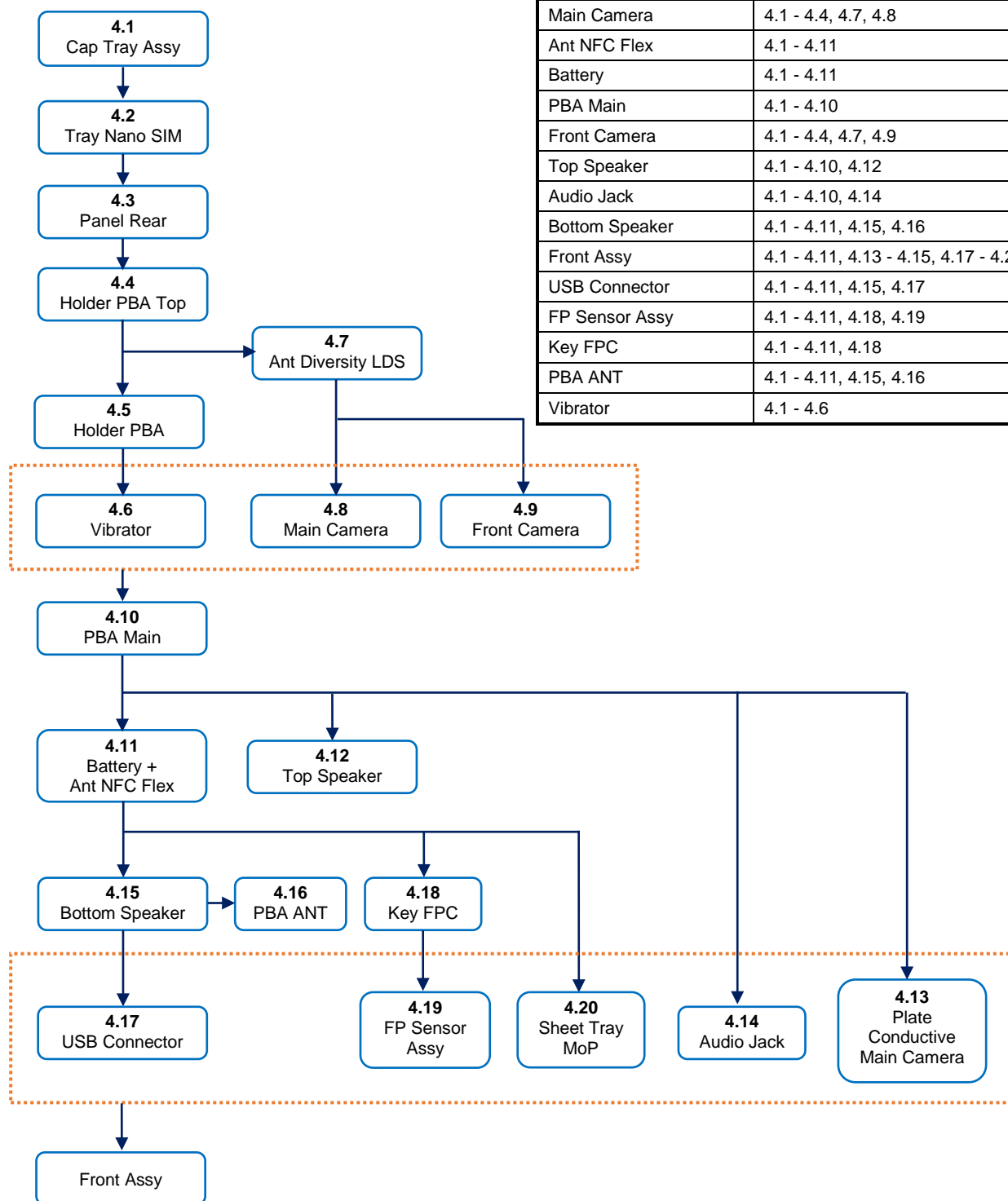
1. Cap Tray
2. Tray Nano SIM
3. Panel Rear
4. Holder PBA Top
5. Holder PBA
6. Vibrator
7. Holder Vib
8. Ant Diversity LDS
9. Main Camera
10. Holder Main Camera
11. Plate Sub Camera
12. Gasket Sub Camera
13. Front Camera
14. Holder Front Camera
15. PBA Main
16. Battery + Ant NFC Flex
17. Top Speaker
18. Plate Contact Main Camera
19. Holder Audio Jack
20. Audio Jack
21. Bottom Speaker
22. Cable RF Coax ASSY
23. PBA ANT
24. Plate GND ANT Main
25. USB Connector
26. Holder Key
27. Key FPC
28. FP Sensor Assy
29. Sheet Tray MoP
30. Front Assy



Quick Reference for Disassembling

Required Disassembly Steps by Part

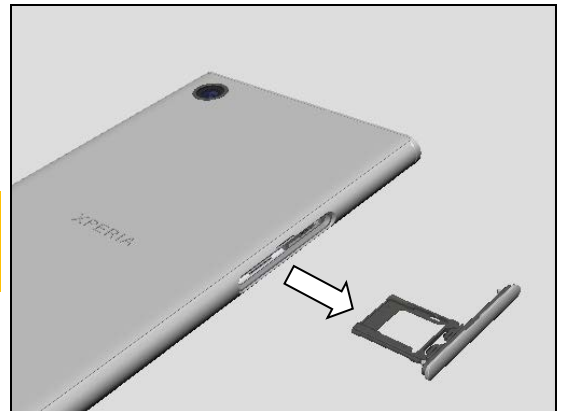
Target Removing Part	Required Disassembly Steps
Main Camera	4.1 - 4.4, 4.7, 4.8
Ant NFC Flex	4.1 - 4.11
Battery	4.1 - 4.11
PBA Main	4.1 - 4.10
Front Camera	4.1 - 4.4, 4.7, 4.9
Top Speaker	4.1 - 4.10, 4.12
Audio Jack	4.1 - 4.10, 4.14
Bottom Speaker	4.1 - 4.11, 4.15, 4.16
Front Assy	4.1 - 4.11, 4.13 - 4.15, 4.17 - 4.20
USB Connector	4.1 - 4.11, 4.15, 4.17
FP Sensor Assy	4.1 - 4.11, 4.18, 4.19
Key FPC	4.1 - 4.11, 4.18
PBA ANT	4.1 - 4.11, 4.15, 4.16
Vibrator	4.1 - 4.6



4.1 Cap Tray Assy

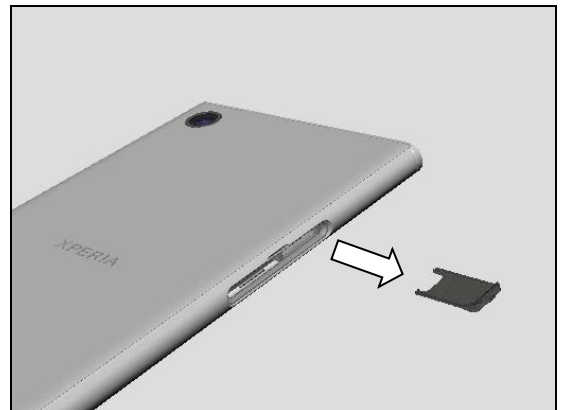
Remove the Cap Tray Assy.

Note! Remove the Cap Tray Assy to keep rear side of the unit up. Otherwise, SIM card and (or) micro SD card will be fallen down.



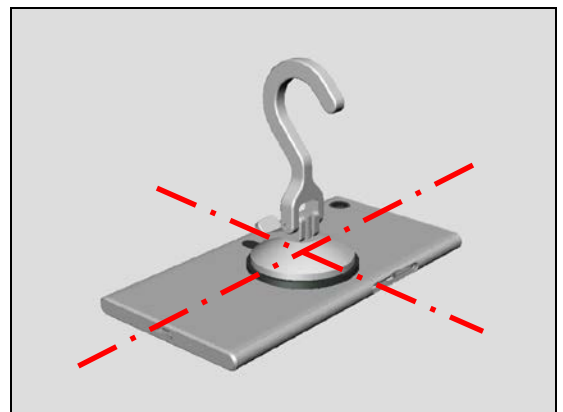
4.2 Tray Nano SIM

Remove the Tray Nano SIM.

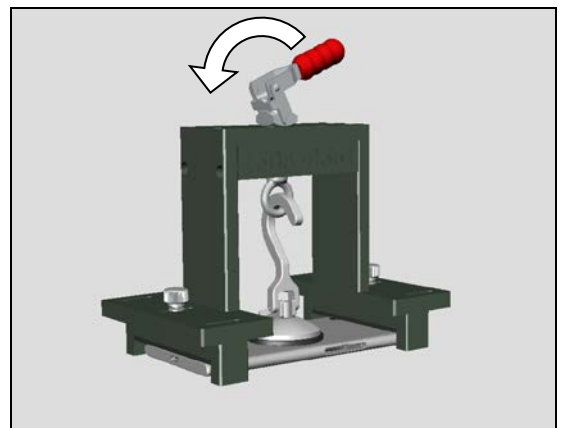


4.3 Panel Rear

Place the Vacuum Cup for Tool on the center of the Panel Rear.

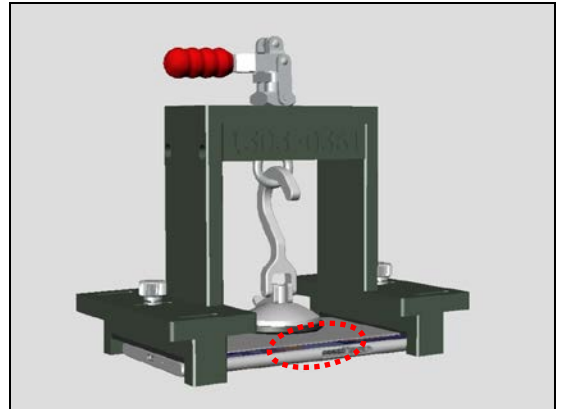


Set the unit on the Panel Disassembly Tool as shown in the illustration.
And, turn the handle so that vacuum cup will pull up the Panel Rear.

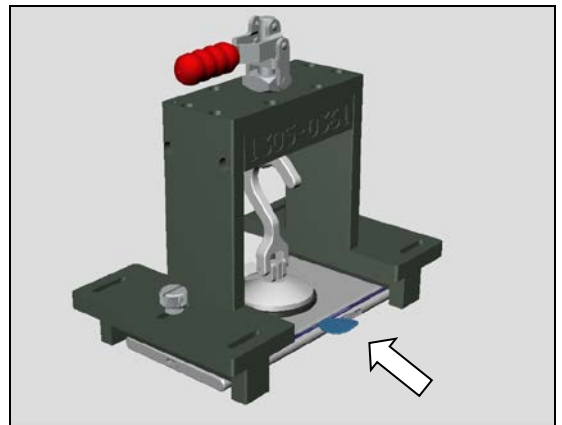


Disassembly

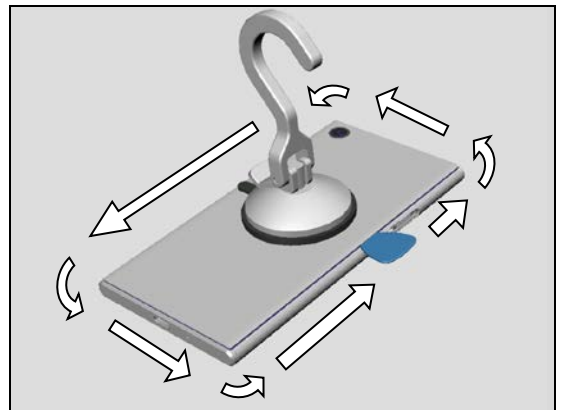
Wait about 60 seconds until Panel Rear will be lifted up from the unit.



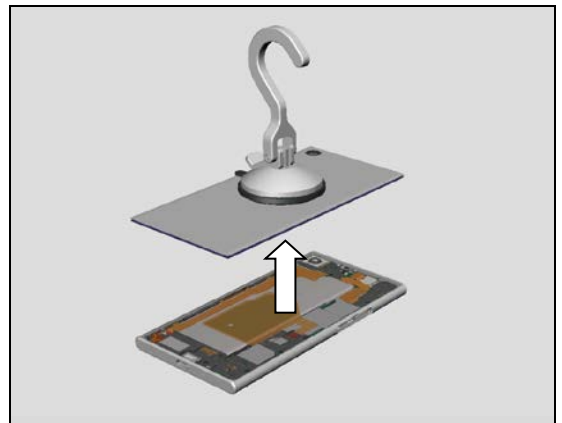
Insert the Guitar Pick into the gap between Panel Rear and unit.
The illustration indicate to insert the Guitar Pick at the SIM/memory card slot side.
But, depends on the position of gap created, you can insert the Guitar Pick on the Power Key side.



Remove the unit from the Panel Disassembly Tool.
Slide the Guitar Pick to cut the Adhesive WR Panel Rear.



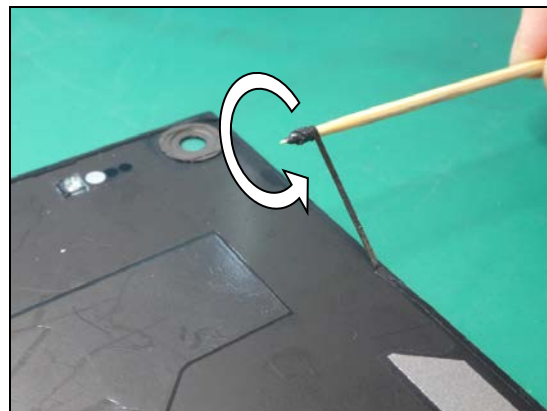
Remove the Panel Rear.



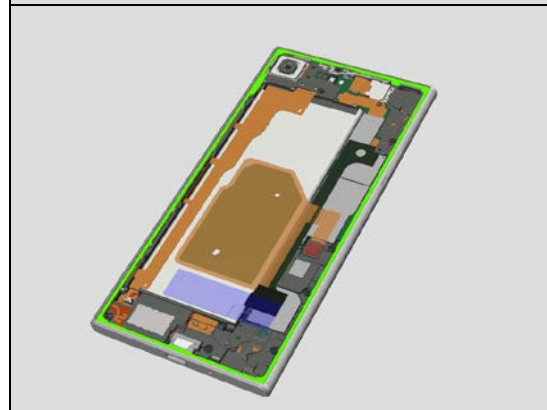
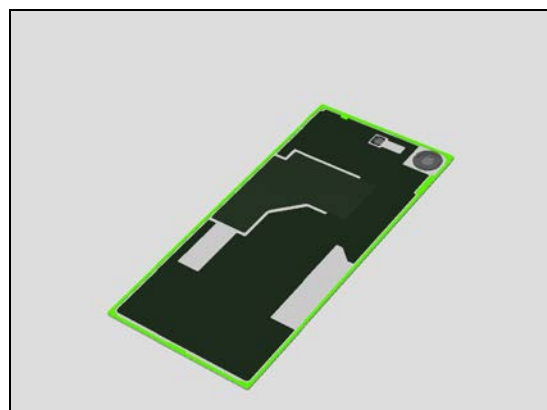
Disassembly

Remove the Adhesive WR Panel Rear to use Bamboo Skewer.

Rotate the Bamboo Skewer to take up the Adhesive WR Panel Rear.



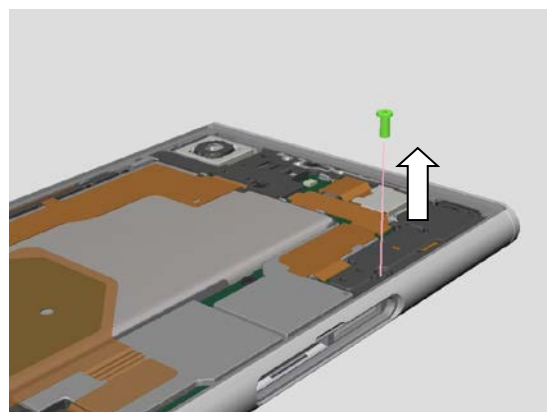
Note! Make sure to remove all residues of the Adhesive WR Panel Rear completely from both Panel Rear and unit (Green Highlighted Area).



4.4 Holder PBA Top

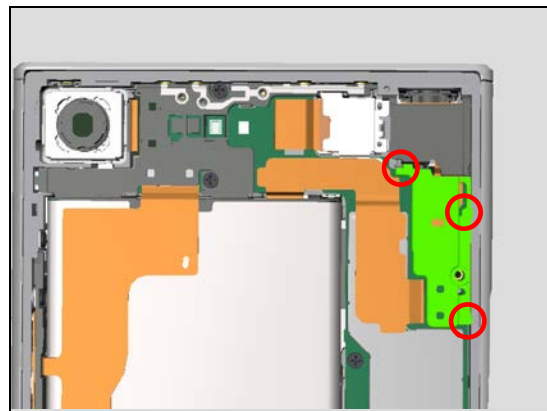
Remove the Screw M1.4x3.4 by using a screwdriver with Bits (JCIS No 0).

Scrap! Don't reuse the screws!

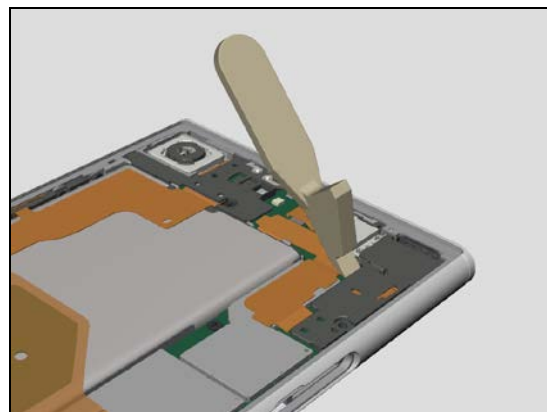


Disassembly

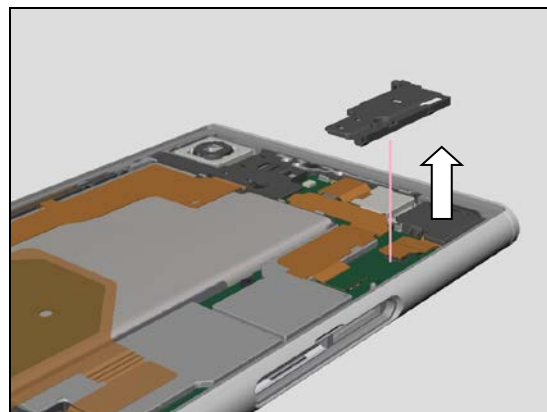
Holder PBA To is locked by 3 hooks as shown in the illustration.



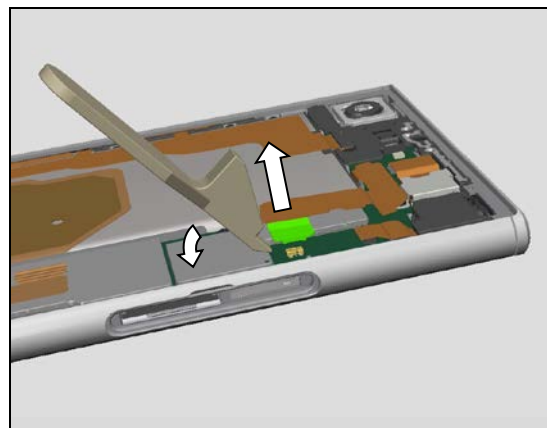
Use the Front Opening Tool to unlock the hooks.



Remove the Holder PBA Top

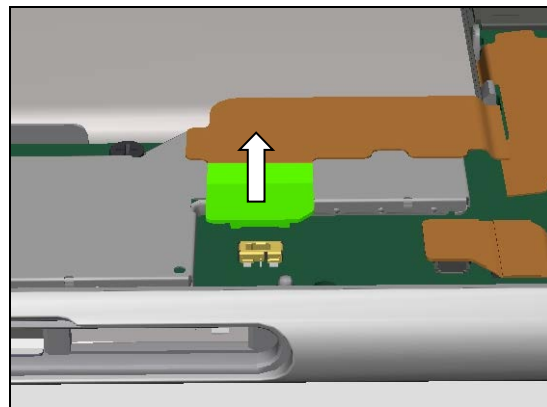


Disconnect the Battery B to B connector with Front Opening Tool.

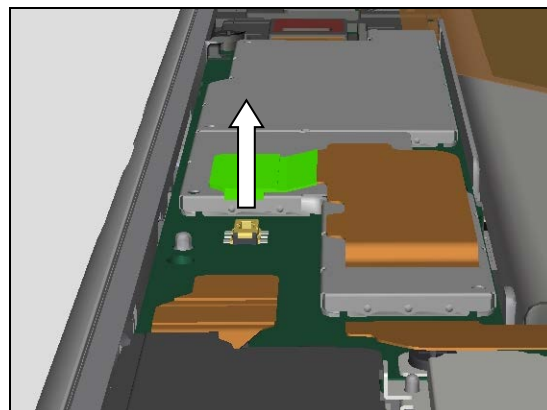


Disassembly

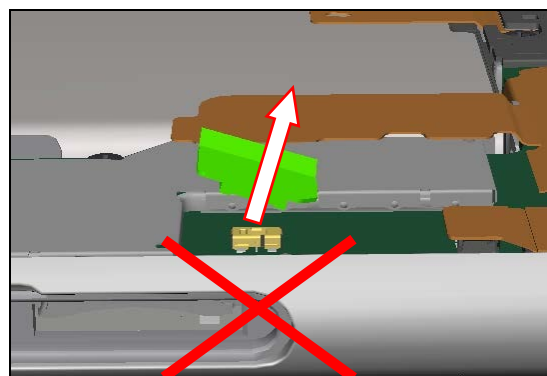
Note! Battery B to B connector should be lifted straight it up in the upper direction.



Note! Battery B to B connector should be lifted straight it up in the upper direction.



Note! If Battery B to B connector is lifted by not straight it up in the upper direction, terminal of connector might be damaged.



4.5 Holder PBA

Remove the 4 pieces of Screw M1.4x3.4 by using a screwdriver with Bits (JCIS No 0).

Scrap! Don't reuse the screws!

Holder PBA is fixed by 7 hooks.

To unlock the hooks, use Front Opening Tool or/and tweezers.

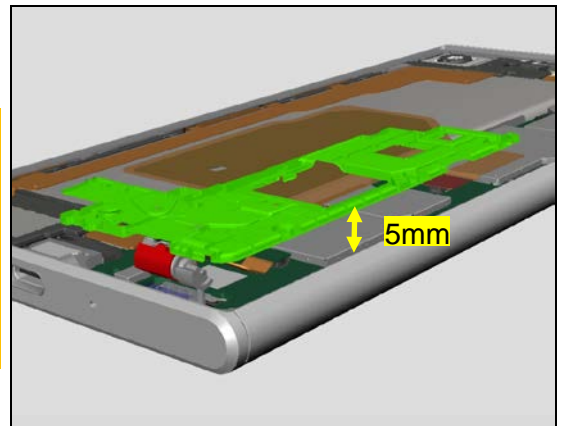
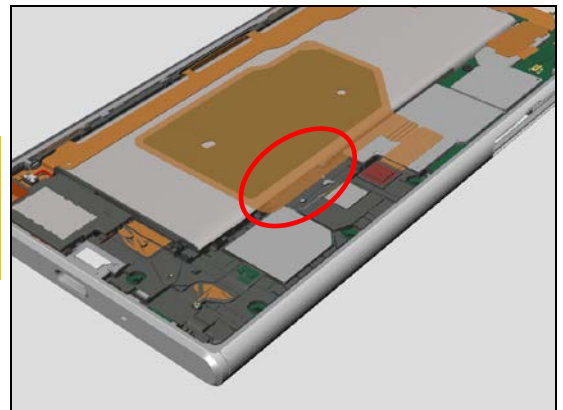
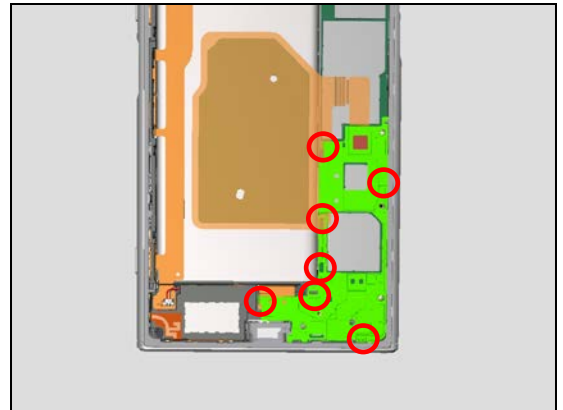
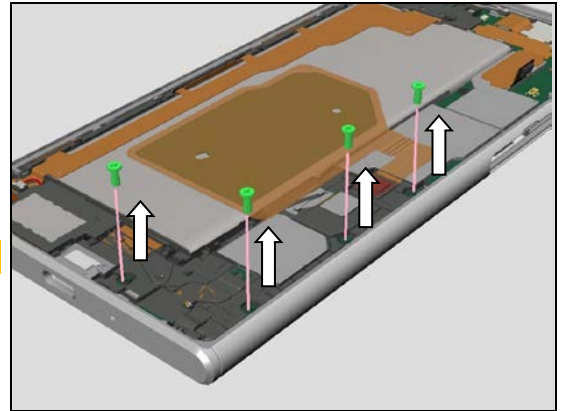
Note! Holder PBA is located under the Ant NFC Flex.
In order to remove the Holder PBA, lift the Ant NFC Flex gently to avoid the damage on the Ant NFC Flex during removing the Holder PBA.

Lift up the Holder PBA about 5mm, and hold it.

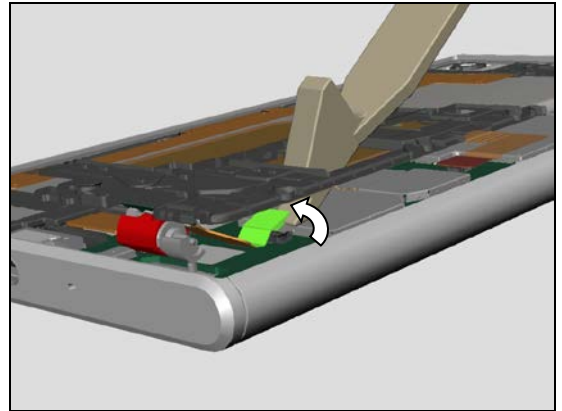
Note! Vibrator is fixed by adhesive on the Holder PBA.
Therefore, when you lift up the Holder PBA, Vibrator is come off with Holder PBA.

But, Vibrator is connected by B to B connector on the Main PBA.

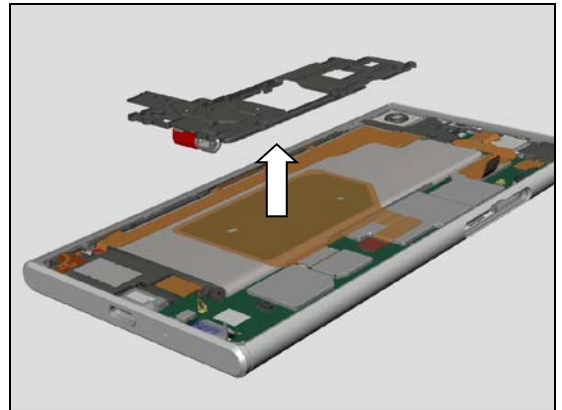
Don't lift up the Holder PBA more than 5mm, otherwise FPC of Vibrator will be damaged.



Disconnect the Vibrator B to B connector with Front Opening Tool.

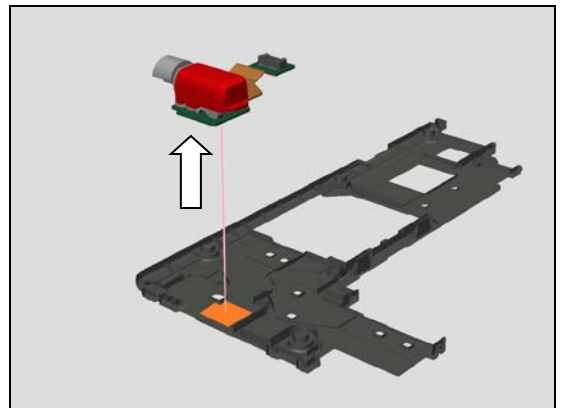


Remove the Holder PBA



4.6 Vibrator

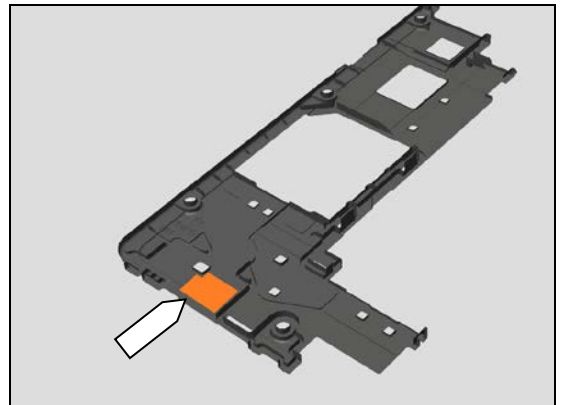
Remove the Vibrator from Holder PBA.



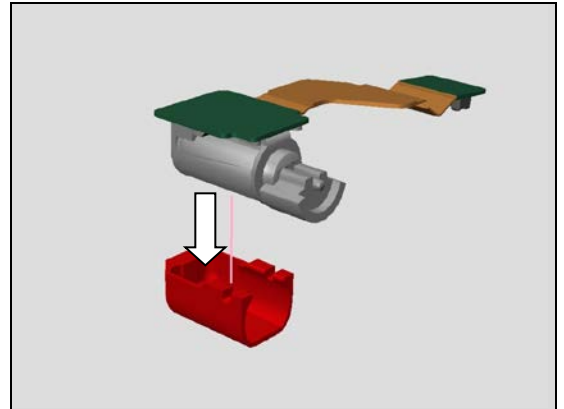
Note! Adhesive Holder Vib which for fixing the Vibrator on the Holder PBA (orange color portion).

If it has stickiness after remove the Vibrator, it can be reused.

Keep the Holder PBA with clean to remain the stickiness.



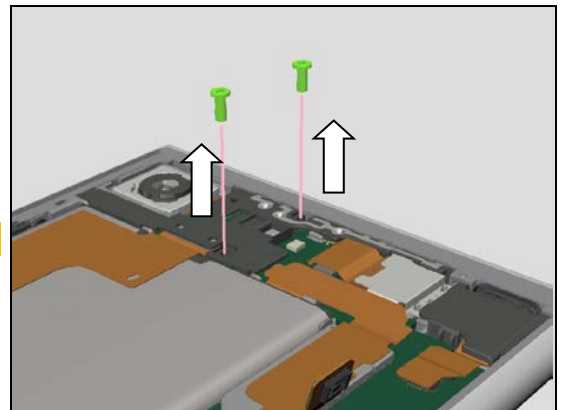
Remove the Holder Vib.



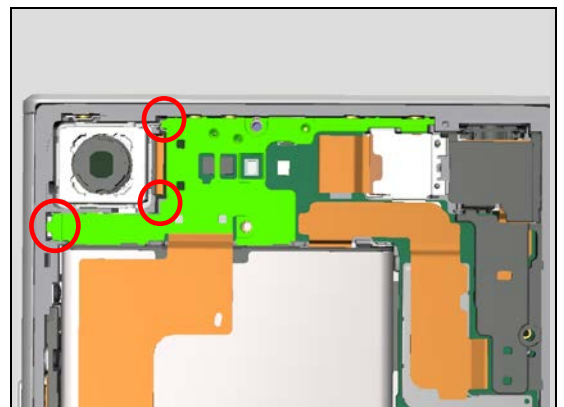
4.7 Ant Diversity LDS

Remove the 2 pieces of Screw M1.4x3.4 by using a screwdriver with Bits (JCIS No 0).

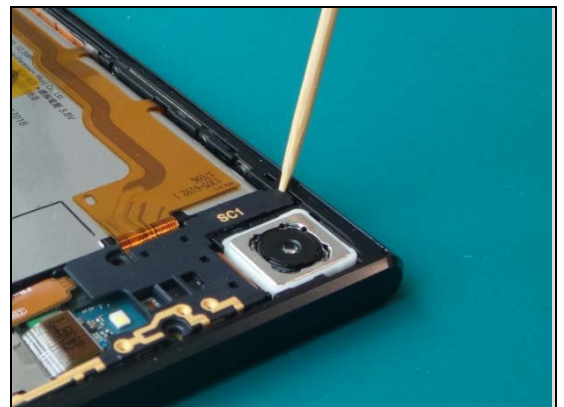
Scrap! Don't reuse the screws!



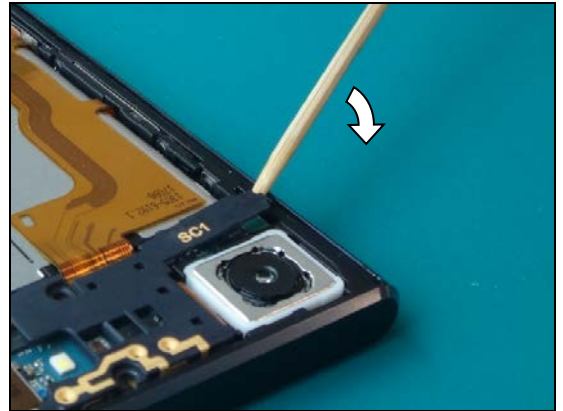
Ant Diversity LDS is fixed by 3 hooks.



Insert the Bamboo Skewer.



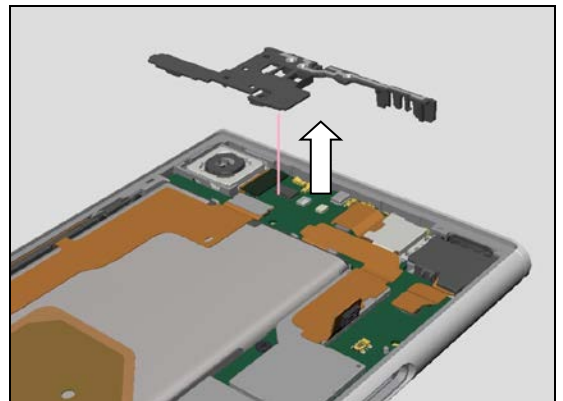
Unlock the hook.



Unlock the other hooks by Front Opening tool.



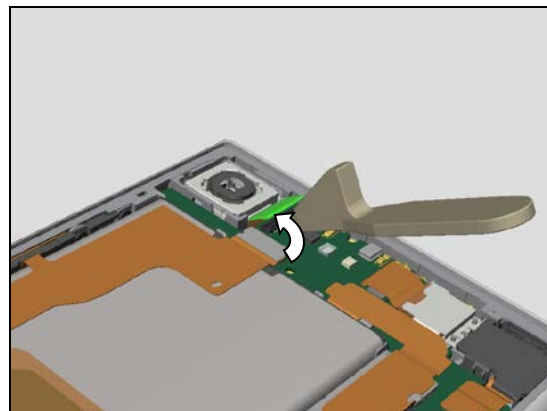
Remove the Ant Diversity LDS.



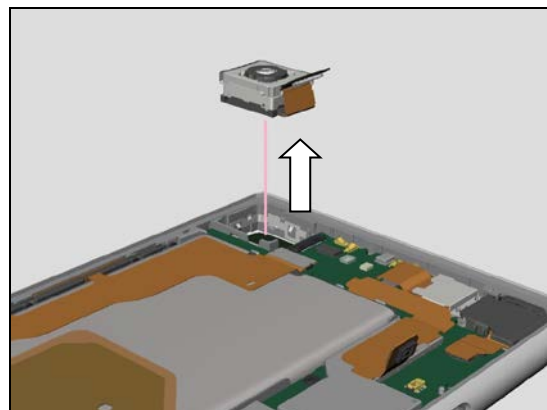
4.8 Main Camera

Disconnect the Main Camera B to B connector using a Front Opening Tool.

Note! Don't touch the lens area of the Main Camera, to avoid the damage, and keep no dust on the lens.

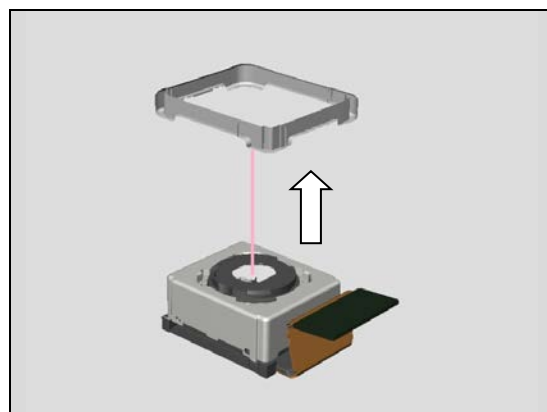


Remove the Main Camera with Flex Film Assembly Tool.



Remove the Holder Main Camera.

Note! If you intend to reuse the Main Camera, no need to remove the Holder Main Camera.



4.9 Front Camera

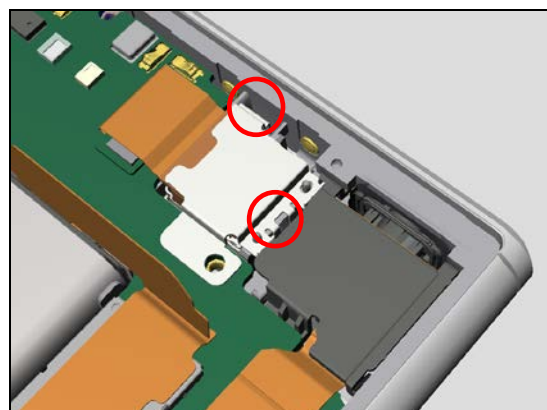
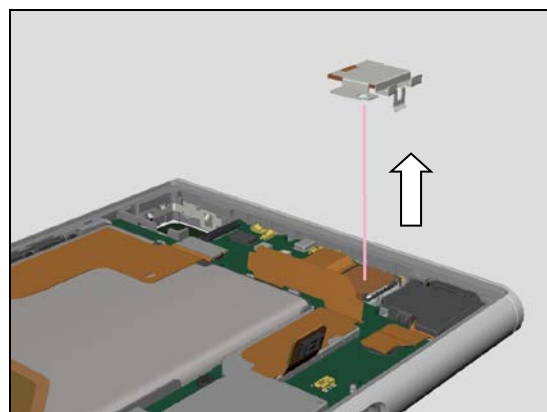
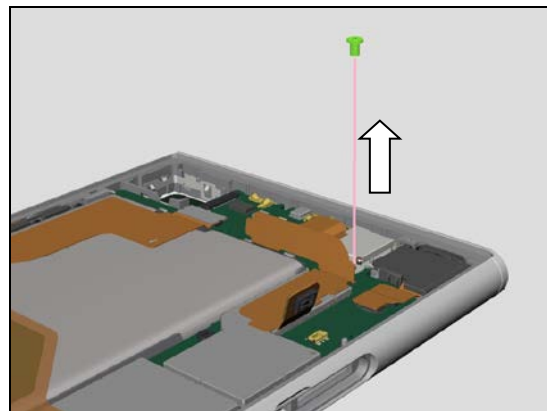
Remove the Screw M1.4x2.0 by using a screwdriver with Bits (JCIS No 0).

Scrap! Don't reuse the screws!

Screw is located under the Battery FPC.
In order to remove the screw, lift the Battery FPC gently.

Remove the Plate Sub Camera to refer to the following procedures.

Plate Sub Camera is fixed by 2 hooks on the Frame Main where is marked by red circle.



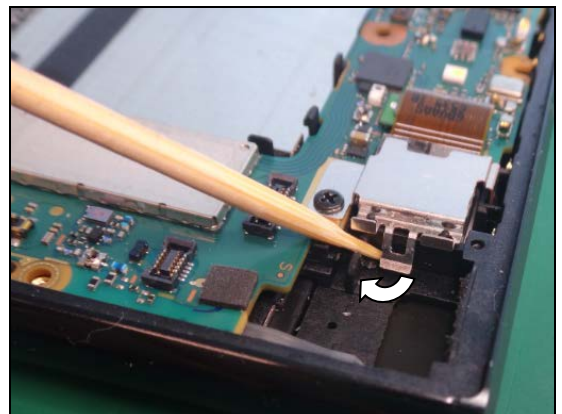
Disassembly

Insert and the Bamboo Skewer as shown in the picture to unlock the hook.

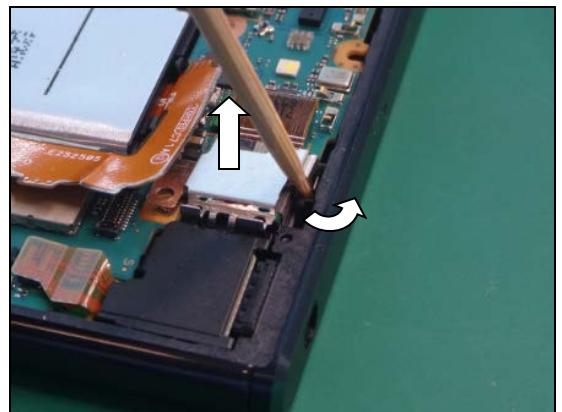


Refer to the picture to understand insertion position of the Bamboo Skewer.

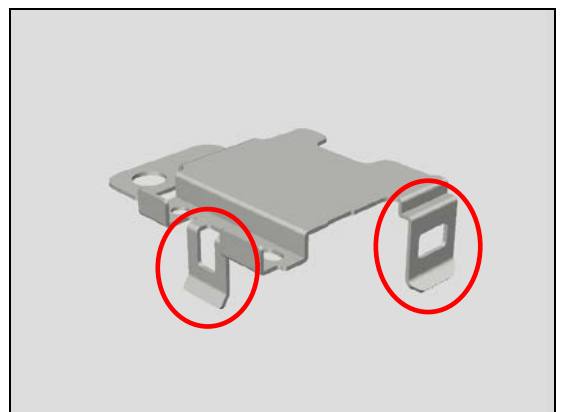
In order to understand position of the Bamboo Skewer, the picture is taken without Audio Jack.



Insert the Bamboo Skewer to unlock the other side of hook. And, remove the Plate Sub Camera.

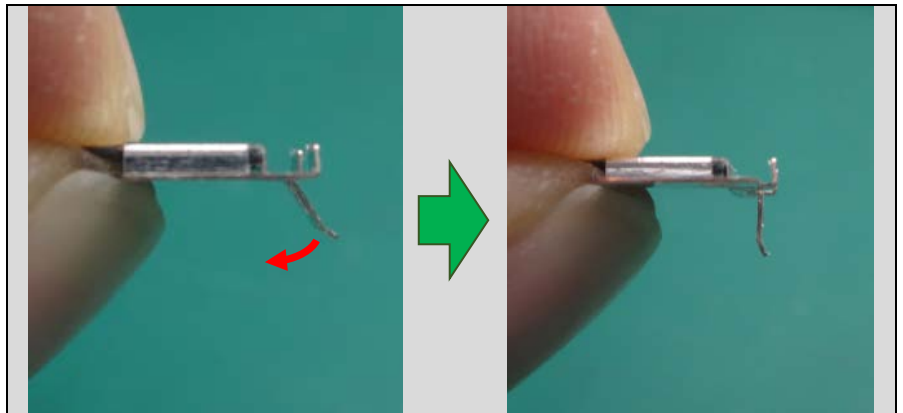


During removing the Plate Sub Camera, red circled portion might be deformed.



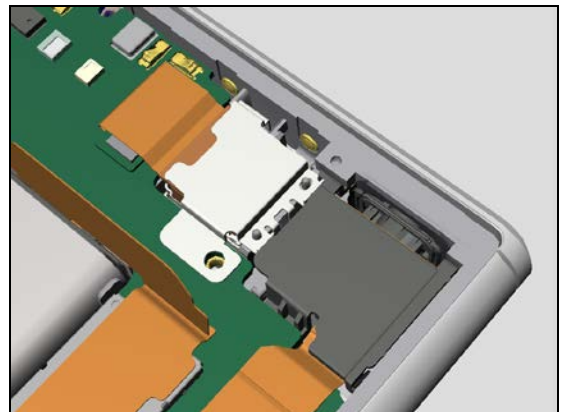
Disassembly

If deformed, try to reform the Plate Sub Camera for reusing.



Note! In case of reuse the Plate Sub Camera, make sure to check below items.

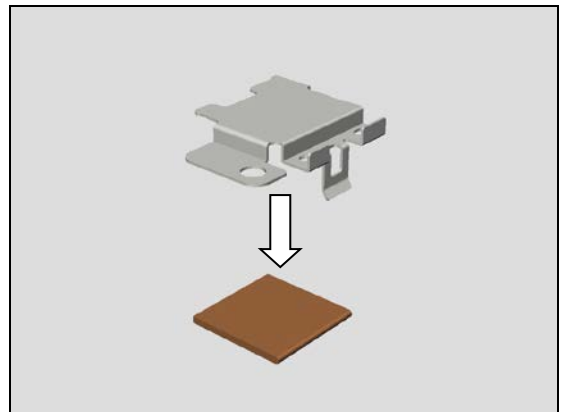
1. No bent of the top surface.
2. No floating the Plate Sub Camera.
3. Plate Sub Camera is fixed by 2 hooks.



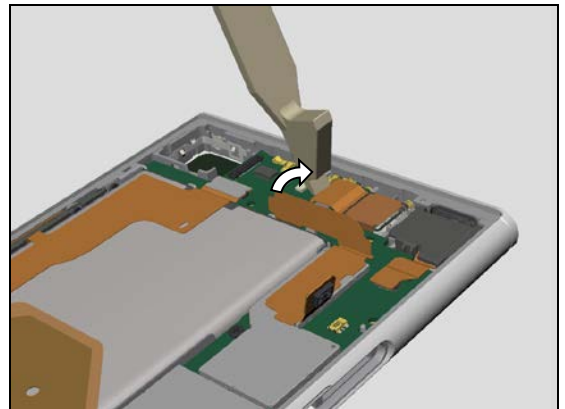
Remove the Gasket Sub Camera.

Note! If you intend to reuse the both Gasket Sub Camera and Plate Sub Camera, don't remove the Gasket Sub Camera from the Plate Sub Camera.

Scrap! Once Gasket Sub Camera is removed, Don't reuse.



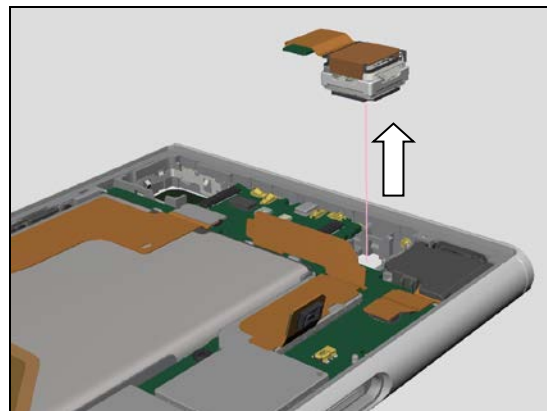
Disconnect the Sub Camera B to B connector with Front Opening Tool.



Disassembly

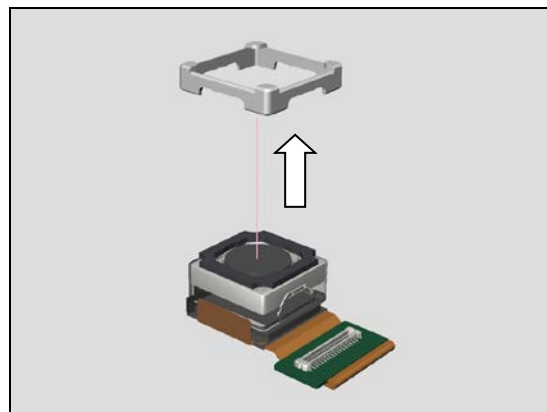
Remove the Front Camera with Flex Film Assembly Tool.

Note! Don't touch the lens area of the Front Camera, to avoid the damage, and keep no dust on the lens.



Remove the Holder Front Camera.

Note! If you intend to reuse the Front Camera, no need to remove the Holder Front Camera.

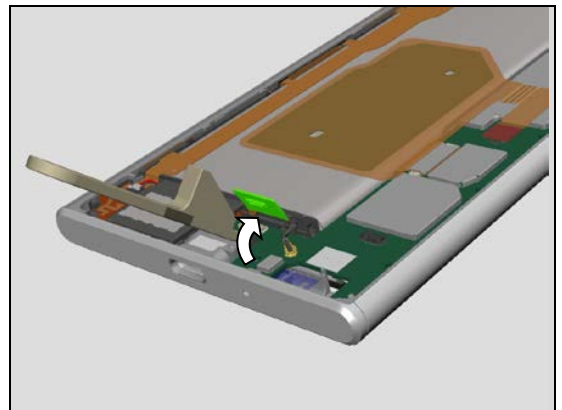
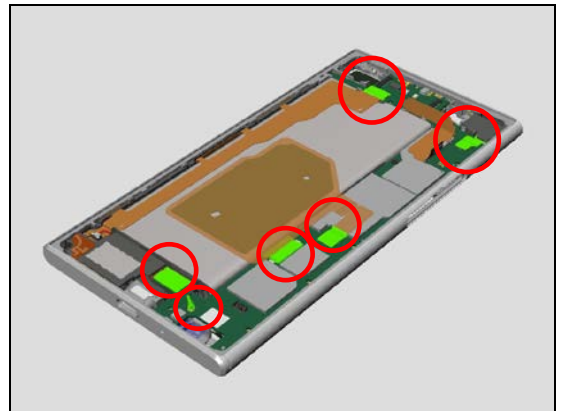


4.10 PBA Main

In order to remove the PBA Main, 6 connectors need to be disconnected.

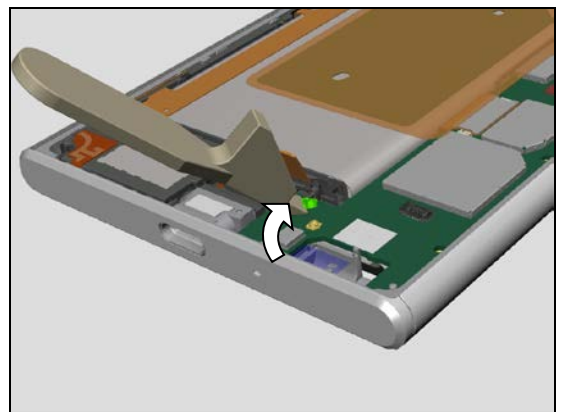
4.10.1 USB B to B Connector

Disconnect B to B connector of USB connector with Front Opening Tool.



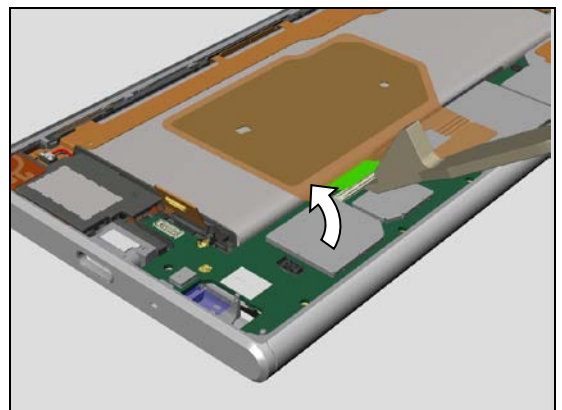
4.10.2 RF Cable Connector

Disconnect Cable RF Coax Assy with Front Opening Tool.



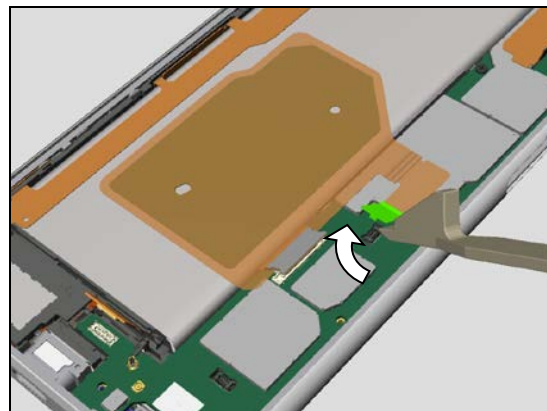
4.10.3 LCD B to B Connector

Disconnect B to B connector of LCD FPC with Front Opening Tool.



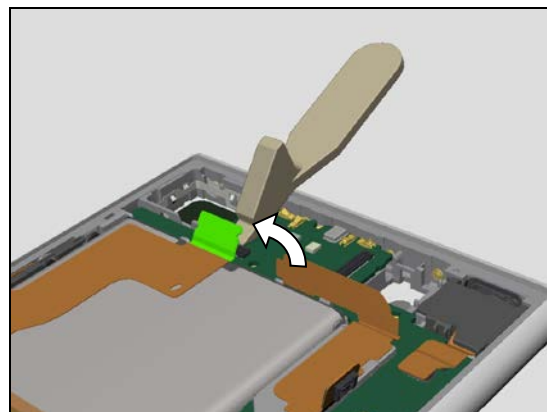
4.10.4 Ant NFC Flex B to B Connector

Disconnect B to B connector of Ant NFC Flex with Front Opening Tool.



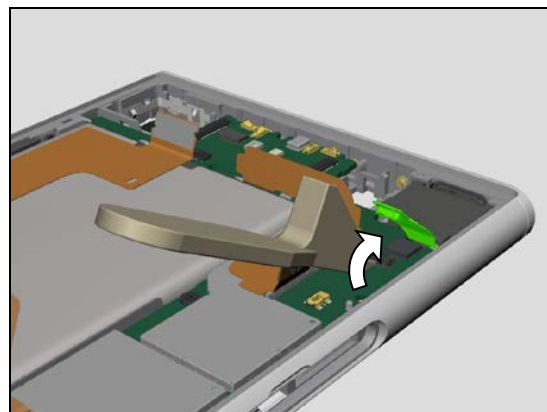
4.10.5 Key FPC B to B Connector

Disconnect B to B connector of Key FPC with Front Opening Tool.



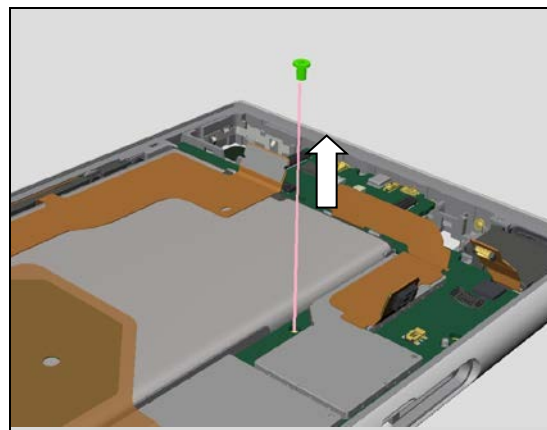
4.10.6 Audio Jack B to B Connector

Disconnect B to B connector of Audio Jack with Front Opening Tool.

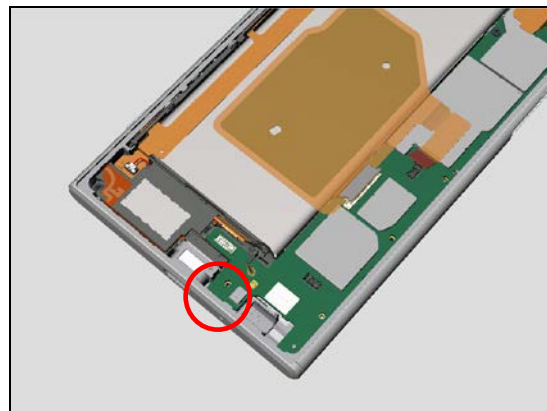


Remove the Screw M1.4x2.0 by using a screwdriver with Bits (JCIS No 0).

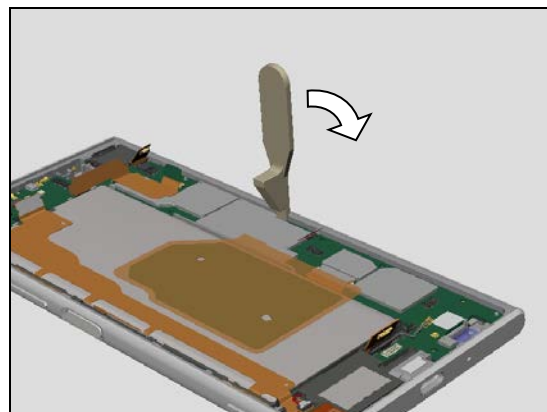
Scrap! Don't reuse the screws!



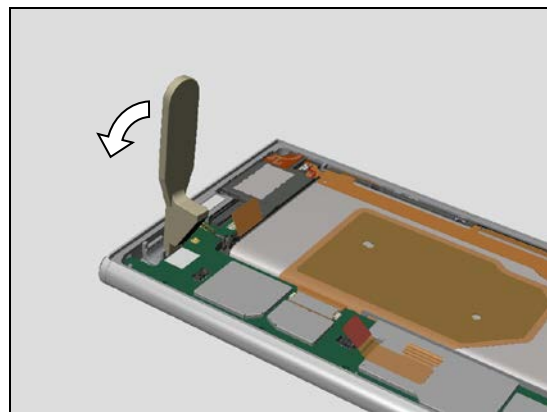
PBA Main is fixed by hook on the Frame Main.



Insert, and turn the Front Opening Tool to lift up the PBA Main.

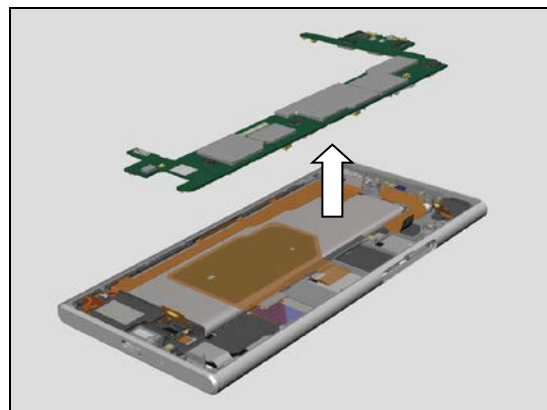


Insert, and turn the Front Opening Tool to lift up the PBA Main (Unlock the hook).



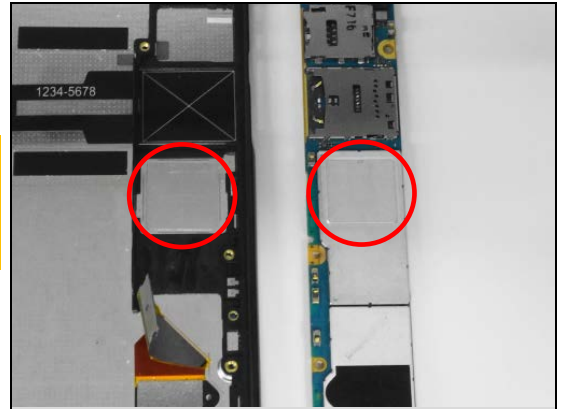
Remove the PBA Main from the unit.

Note! Before PBA Main is removed, make sure to remove the Cap Tray, and Tray Nano SIM in advance. Refer to the 4.1 and 4.2 Disassembly Instructions. If those are remained on the PBA Main, connectors on the PBA Main will be damaged.



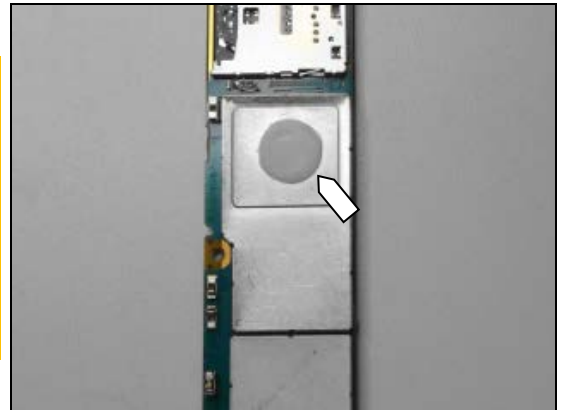
Disassembly

Note! If you intend to replace the PBA Main or Front Assy, remove the Thermal Gap Filler. Make sure to remove all residues of the Thermal Gap Filler on the either PBA Main or Plate Display.



Note! If you intend to reuse both PBM Main and Front Assy, the Thermal Gap Filler on the PBA Main might be reused. (as far as combination of the PBA Main and Front Assy won't be changed, and no damages of the Thermal Gap Filler, the Thermal Gap Filler can be reused.)

Pay attention to apply no damages. If any damages such as crack, chink on there, it won't be able to reuse.



4.11 Battery

Place the Bamboo Skewer on the Adhesive Battery A1.
Pick the Adhesive Battery A1 with fingers.

Note! Tip of Bamboo Skewer is sharp, and be careful not to stick the Battery with the Bamboo Skewer.

Note! Battery FPC might interfere to remove the Adhesive Battery A1, and need to handle with care during removing the Adhesive Battery A1.

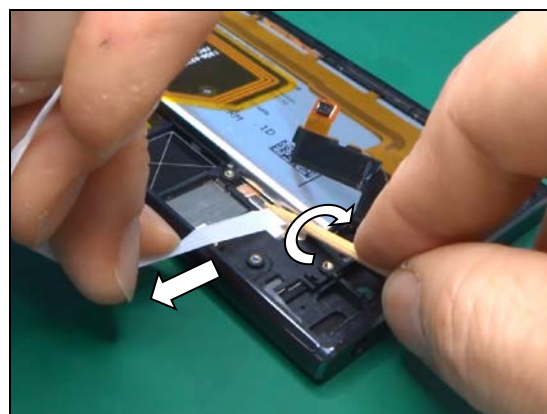
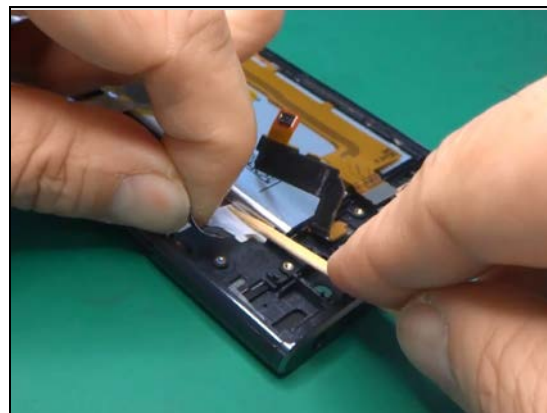
Pull the Adhesive Battery A1 gently, and rotate the Bamboo Skewer simultaneously.

Hold the battery with finger to prevent moving the battery during pulling out the Adhesive Battery.
Scrap! Don't reuse the Adhesive Battery A1!

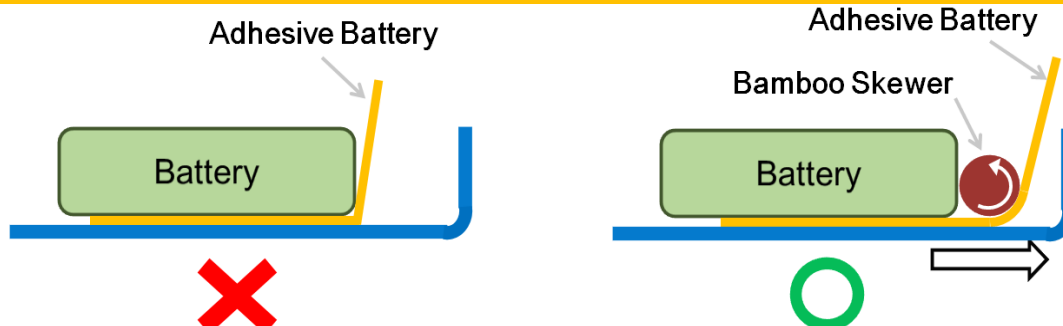
Pull out the Adhesive Battery A2 as same as Adhesive Battery A1.

Hold the battery with finger to prevent moving the battery during pulling out the Adhesive Battery.
Scrap! Don't reuse the Adhesive Battery A2!

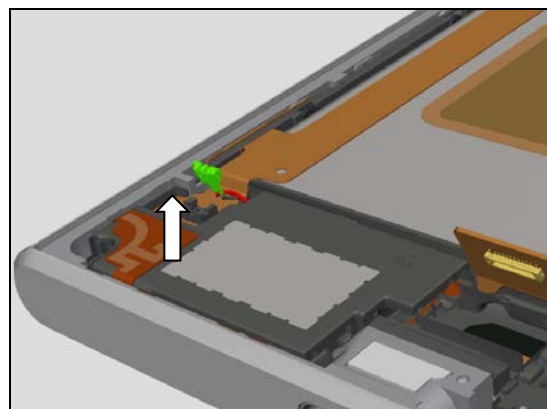
If Adhesive Battery A1/A2 snapped during pulling, adhesive might be remained under the battery, and need to scrape it. Such case don't reuse the Battery, and scrap the Battery.



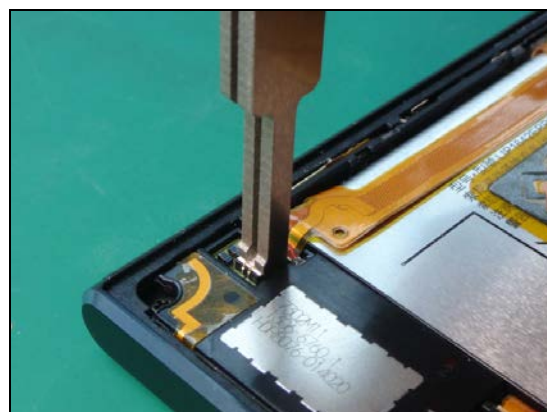
Note! To avoid snapping of the Adhesive Battery A1 / A2, don't pull to up-right direction. Apply Bamboo Skewer and rotate in order to pull the Battery Adhesive as horizontally from Battery.



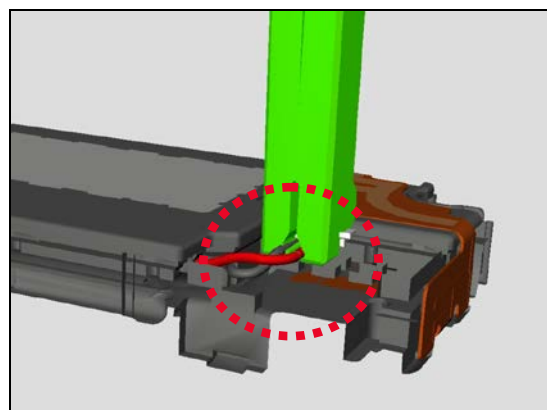
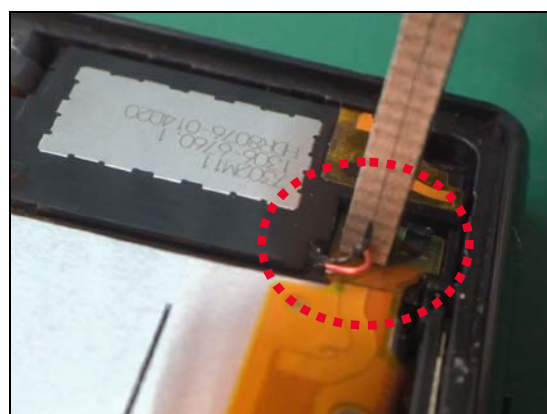
Disconnect the Bottom Speaker Cable to refer to the following procedure.



Place the Speaker Box Connector Tool on the Speaker Cable Connector.



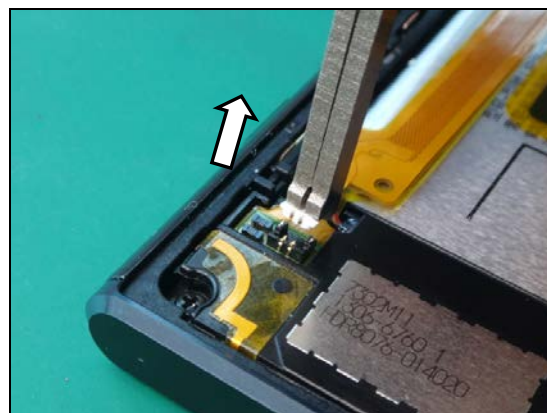
Make sure to hold the cables by Speaker Box Connector Tool.



Disassembly

Lift up the connector.

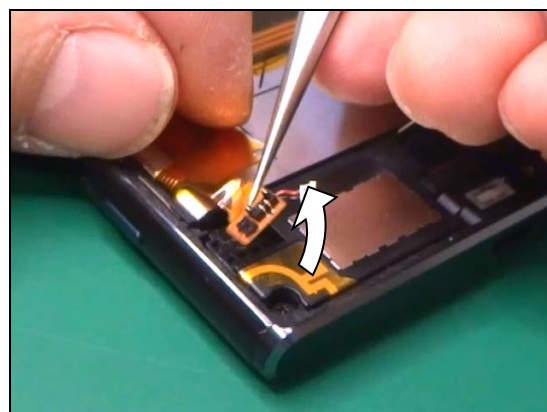
Note! Connector should be lifted straight it up in the upper direction.



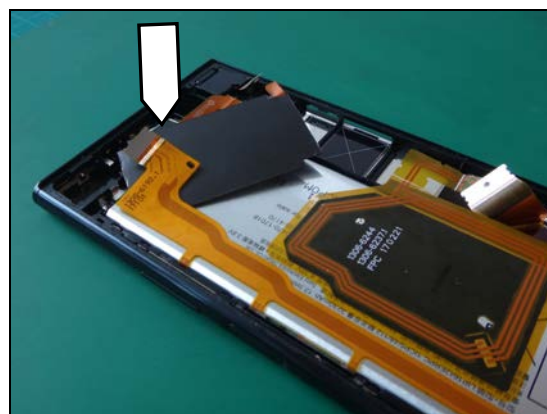
Remove the Key FPC from Bottom Speaker with Tweezers.

Note! Since tip of Tweezers is sharp, and be careful not to stick the Battery with the Tweezers.

If you use metal tweezers, be careful to use it to avoid any damage on the FPC.

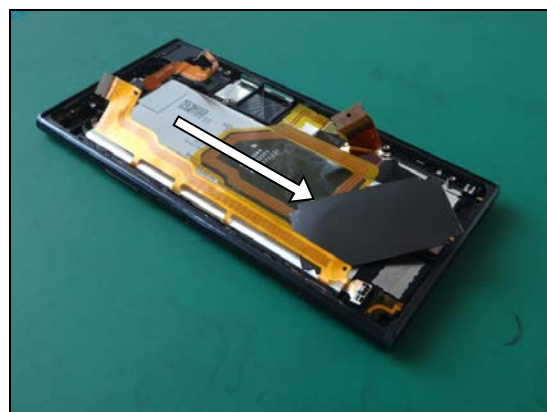


Insert the Disassembly Sheet in to the between Key FPC and Battery.



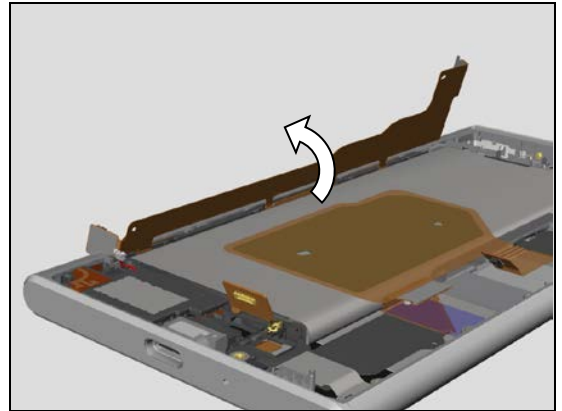
Slide the Disassembly Sheet to cut the adhesive.

Note! Don't press / apply the force to the battery during slide the Disassembly Sheet, otherwise the battery might be damaged.



Disassembly

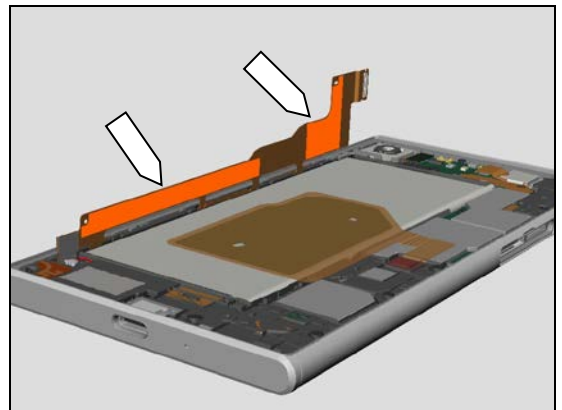
Remove the Key FPC from the battery.



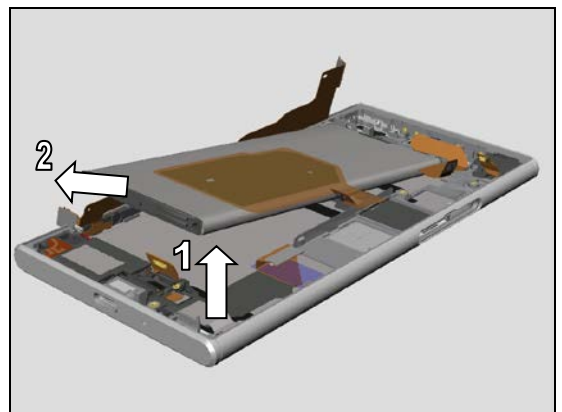
Note! Adhesives on the Key FPC which for pasting the Key FPC on the Battery (orange color portion).

If it has stickiness after remove, it can be reused.

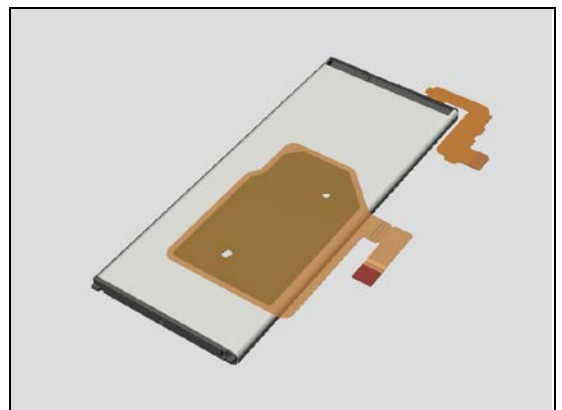
Keep the Key FPC with clean to remain the stickiness.



Remove the Battery with fingers.



Note! If you intend to reuse the battery, follow the 7. Battery Reuse Instruction before installing the battery.



Don't remove the Ant NFC Flex from the battery.
Once they have been disassembled, both Battery and Ant NFC Flex won't be able to reuse, and scrap them.



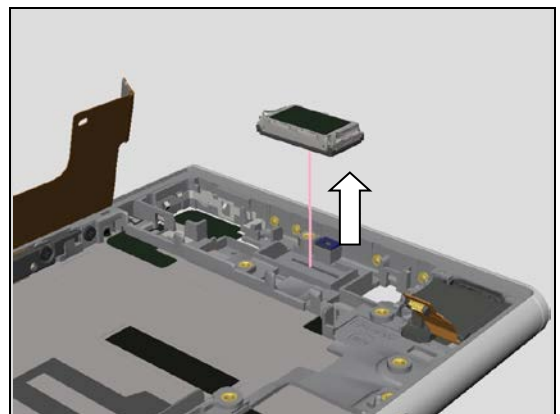
Note! During pulling the Adhesive Battery, plastic film that is affixed on aluminum cover of the battery may come off as shown in the picture.
Don't reuse the Battery if plastic film was came off, and scrap it.



4.12 Top Speaker

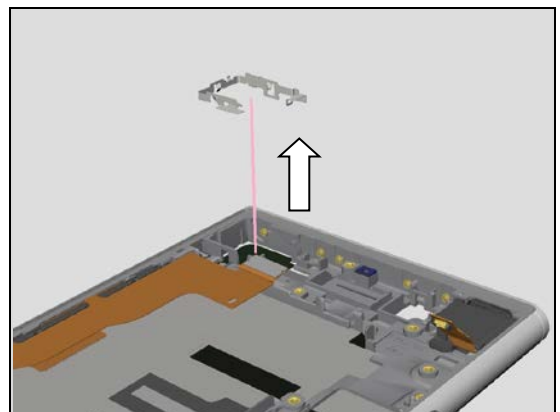
Remove the Top Speaker with Tweezers.

Scrap! Don't reuse the Top Speaker!



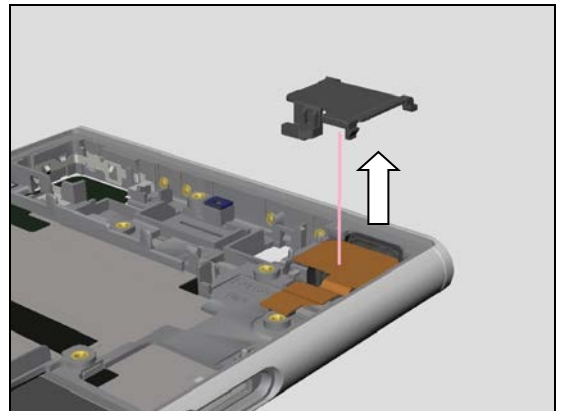
4.13 Plate Contact Main Camera

Remove the Plate Contact Main Camera with Tweezers.

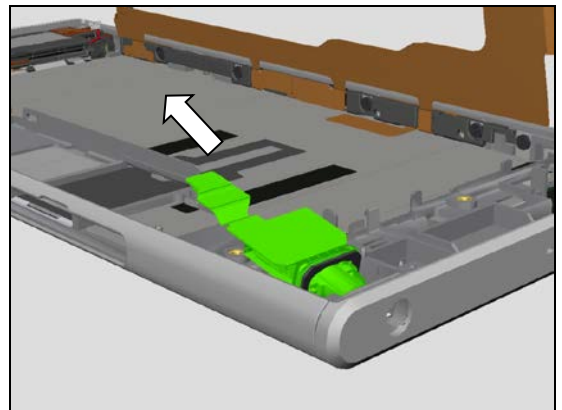


4.14 Audio Jack

Remove the Holder Audio Jack with Tweezers.



Remove the Audio Jack with Tweezers.



4.15 Bottom Speaker

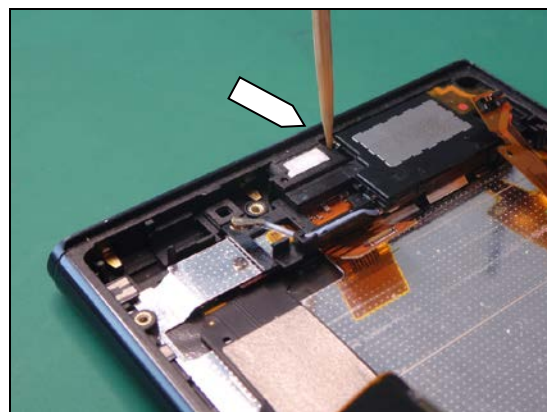
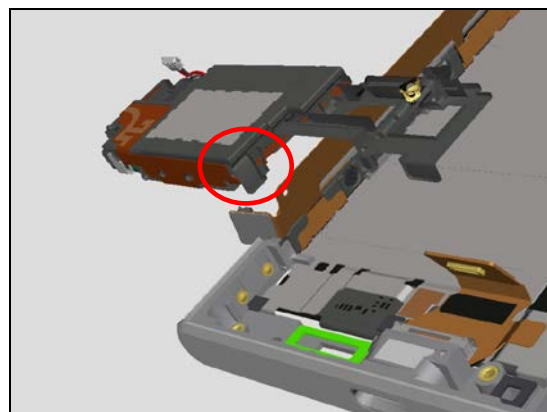
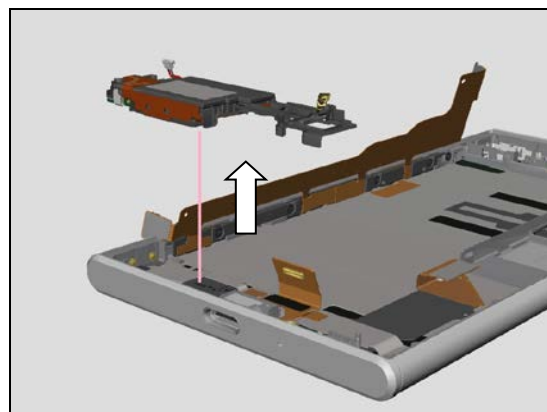
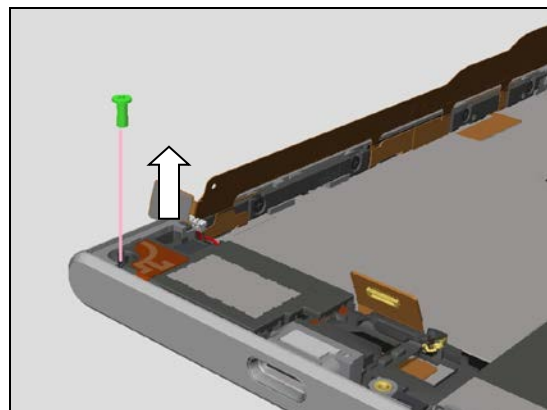
Remove the Screw M1.4x3.4 by using a screwdriver with Bits (JCIS No 0).

Scrap! Don't reuse the screws!

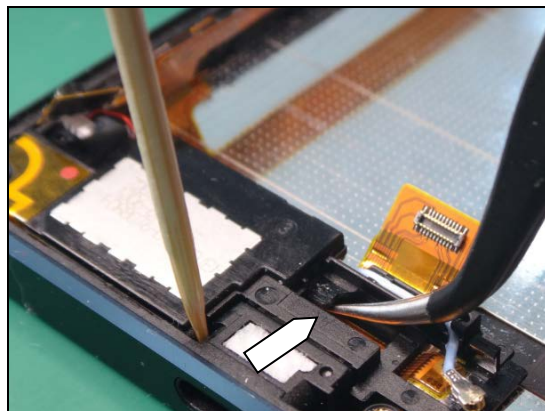
Remove the Bottom Speaker to refer to the following procedure.

Bottom Speaker is fixed by adhesive (indicate by green color) on the unit, and fixed by hook (marked by red circle) as shown in the picture.

Insert the Bamboo Skewer to unlock the hook.



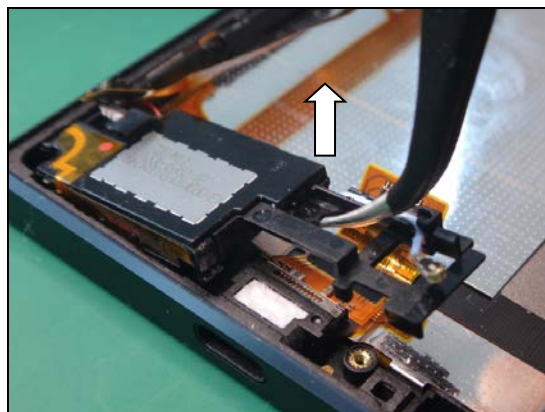
Place the Tweezers (Curved Tip) as shown in the picture.



Pull out the Bottom Speaker with Tweezers.

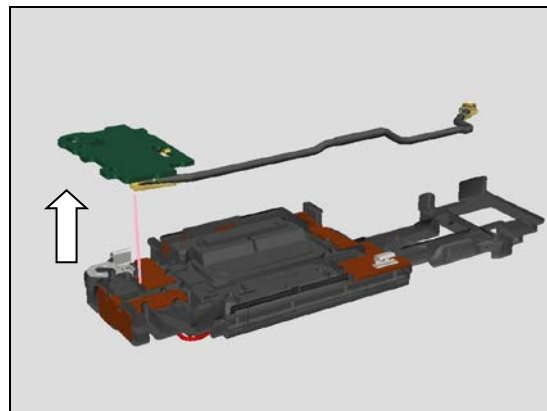
Note! Hook is fragile, and make sure to unlock the hook by Bamboo Skewer during pull out.

If you pull out the Bottom Speaker by force, the hook might be damaged.

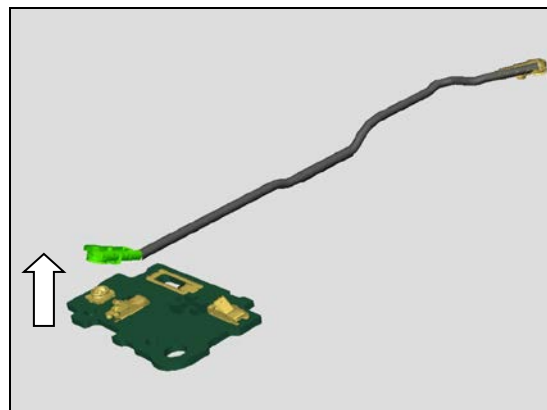


4.16 PBA ANT

Remove the PBA ANT with Tweezers.

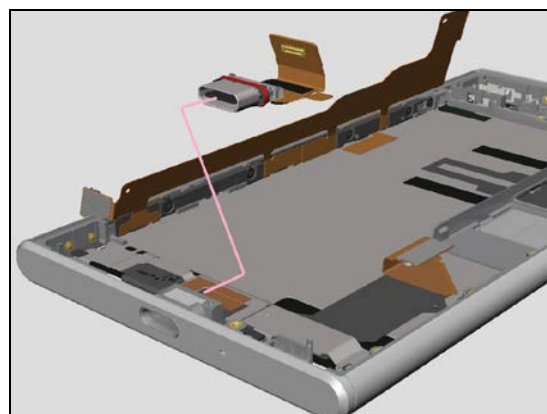


Disconnect the RF connector to remove the Cable RF Coax Assy.



4.17 USB Connector

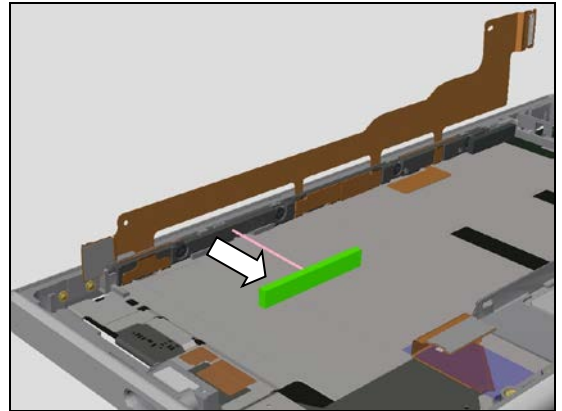
Remove the USB Connector with Tweezers.



4.18 Key FPC

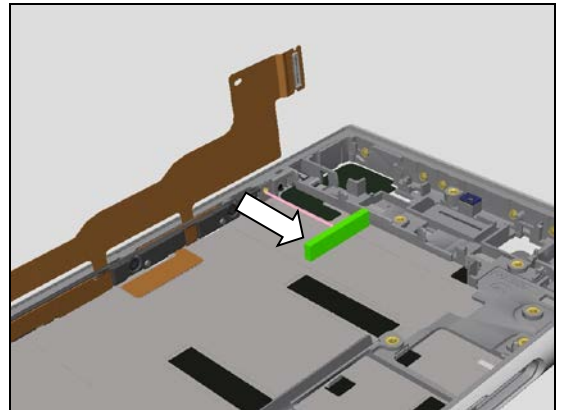
Remove the Cushion Battery A.

Scrap! Don't reuse the Cushion Battery A!



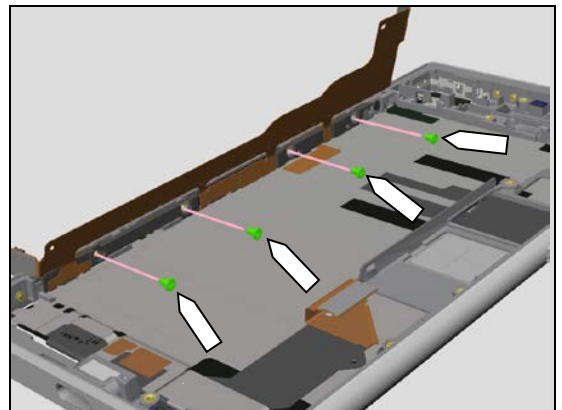
Remove the Cushion Battery B

Scrap! Don't reuse the Cushion Battery B!

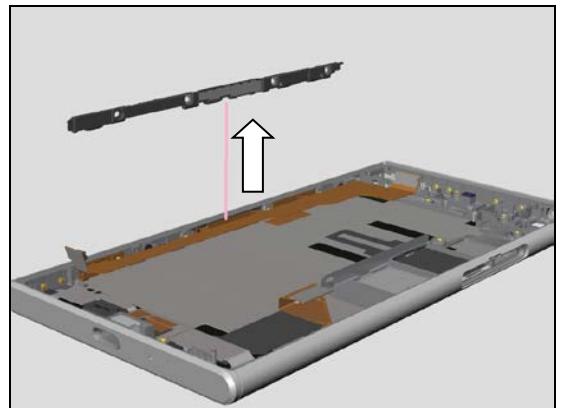


Remove the Screw M1.4x2.0 with Screwdriver PH0 x 100.

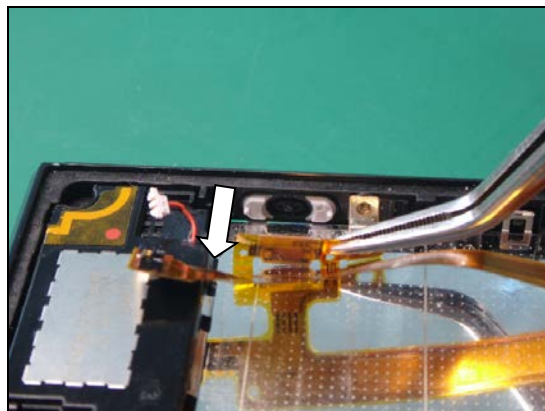
Scrap! Don't reuse the screws!



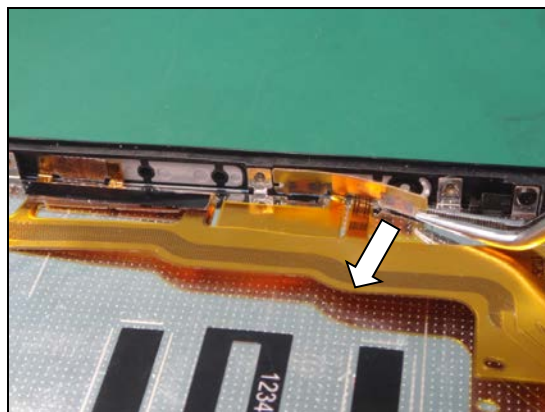
Remove the Holder Key FPC with Tweezers.



Remove the Key FPC from Camera key gasket with Tweezers.



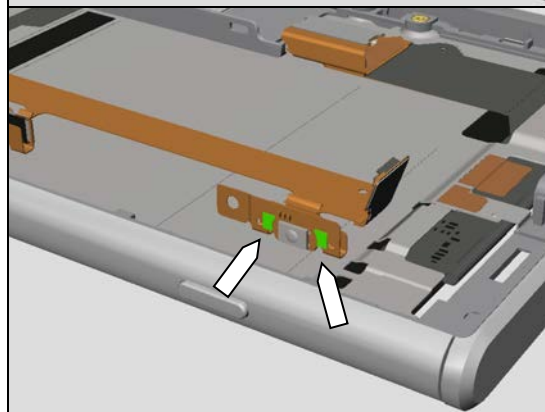
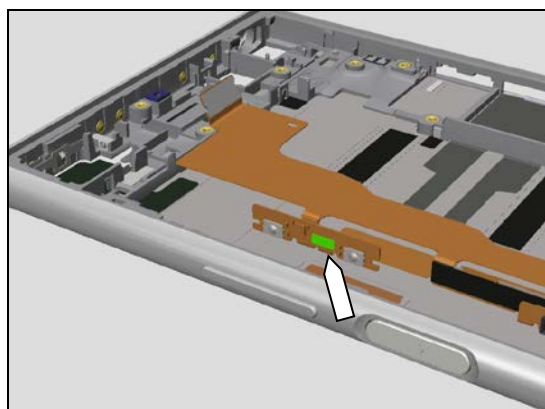
Remove the Key FPC from volume key gasket with Tweezers.



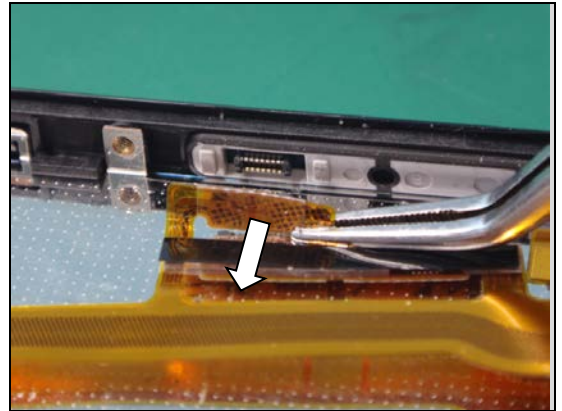
Note! Adhesives are located on the Key FPC at Camera key and Volume key.

Those adhesives are worked for fixing the Key FPC and gasket (Camera and Volume) as temporally, until Holder Key will be installed during assembling.

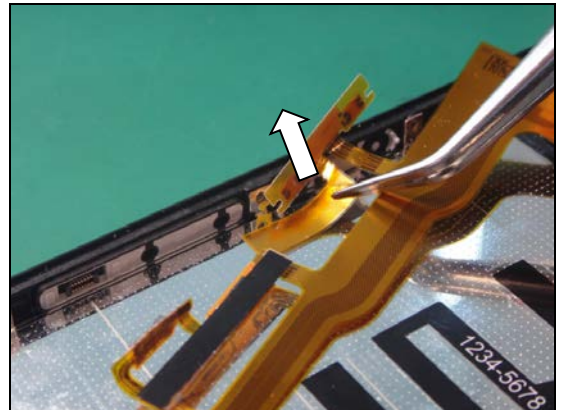
After remove the Key FPC from the gaskets, if adhesives have stickiness, and it will be able to fix the Key FPC and gasket (Camera and Volume) for assembling, the adhesives might be able to be reused.



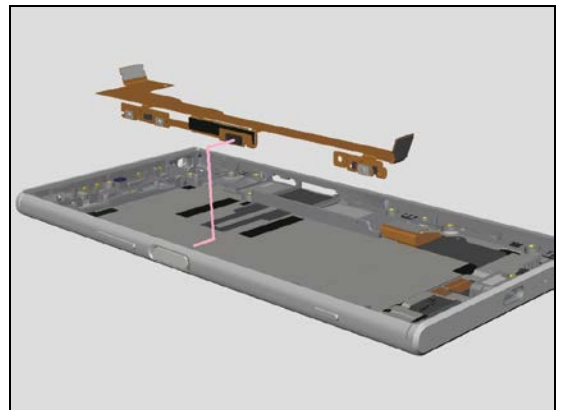
Disconnect FP Sensor B to B connector with Tweezers.



Remove the Key FPC from display plate with Tweezers.

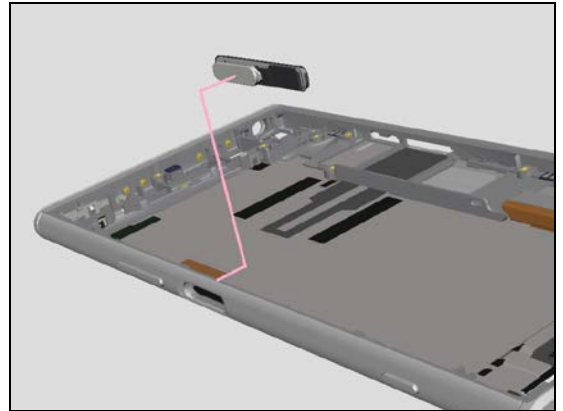


Remove the Key FPC.



4.19 FP Sensor Assy

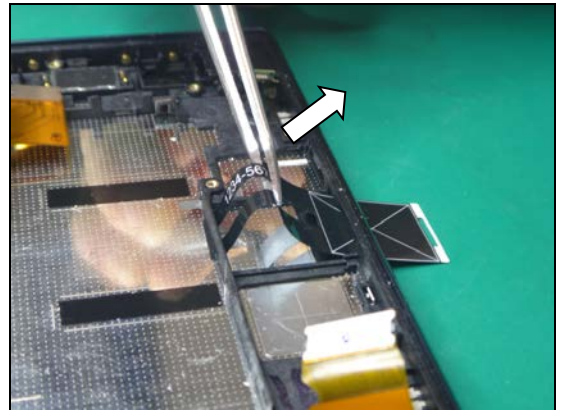
Remove the FP Sensor Assy.



4.20 Sheet Tray MoP

Remove the Sheet Tray MoP.

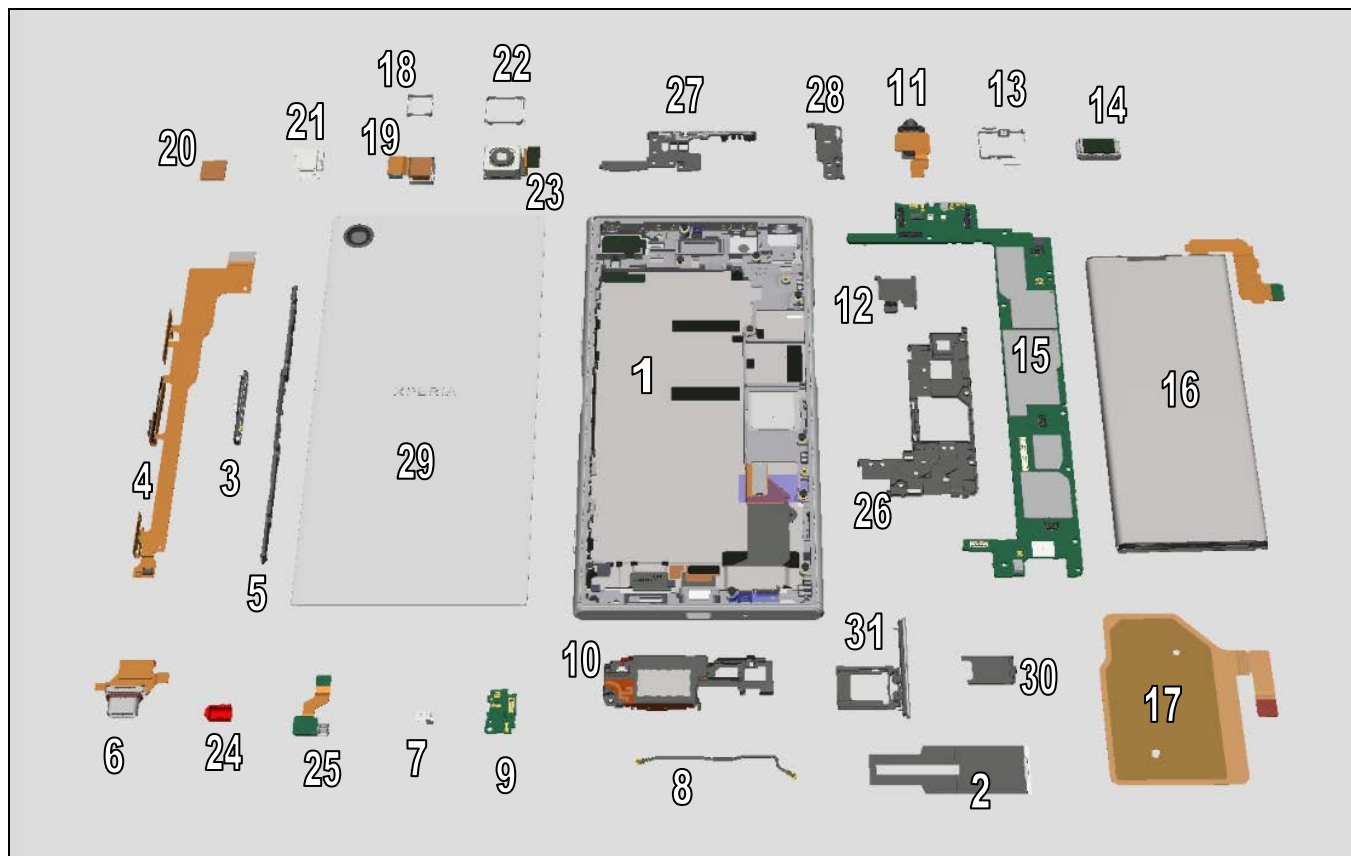
Pinch the Sheet Tray MoP to curve it, and pull out.



5 Reassembly

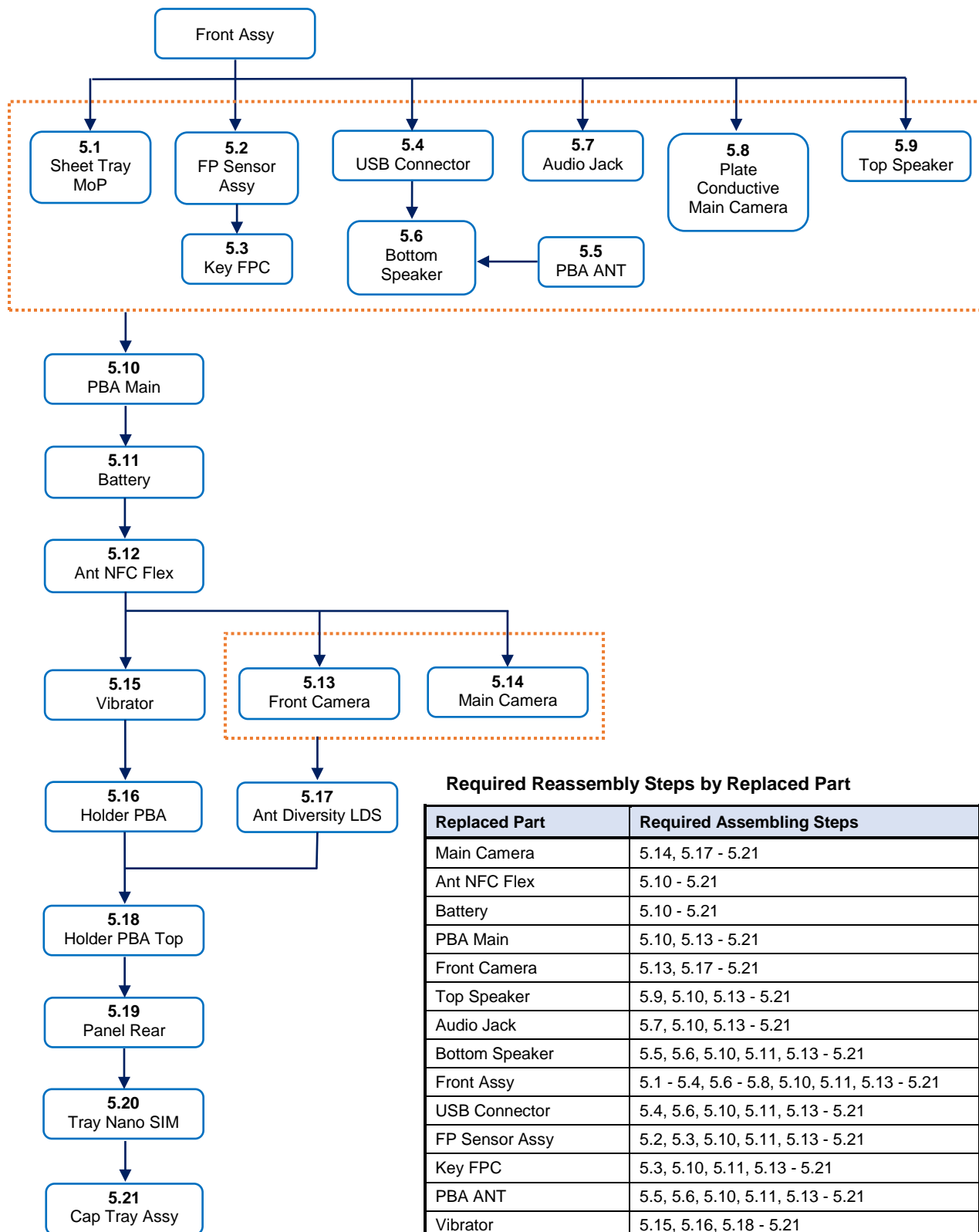
The reassembly is done in the following order:

1. Front Assy
2. Sheet Tray MoP
3. FP Sensor Assy
4. Key FPC
5. Holder Key
6. USB Connector
7. Plate GND ANT Main
8. Cable RF Coax ASSY
9. PBA ANT
10. Bottom Speaker
11. Audio Jack
12. Holder Audio Jack
13. Plate Contact Main Camera
14. Top Speaker
15. PBA Main
16. Battery
17. Ant NFC Flex
18. Holder Front Camera
19. Front Camera
20. Gasket Sub Camera
21. Plate Sub Camera
22. Holder Main Camera
23. Main Camera
24. Holder Vib
25. Vibrator
26. Holder PBA
27. Ant Diversity LDS
28. Holder PBA Top
29. Panel Rear
30. Tray Nano SIM
31. Cap Tray



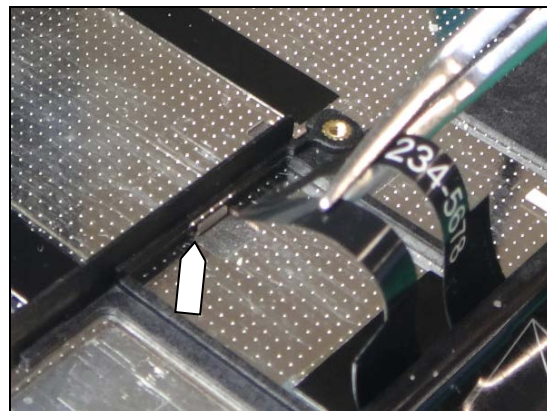
Reassembly

Quick Reference for Reassembling



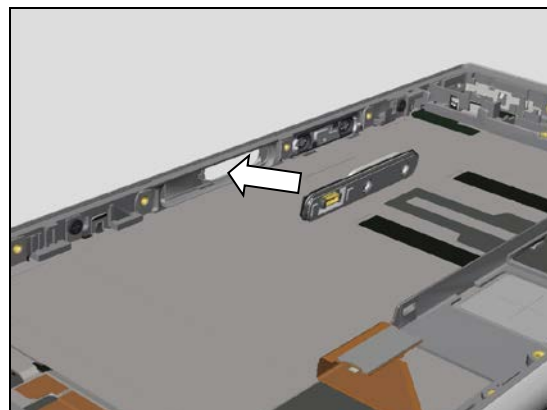
5.1 Sheet Tray MoP

Insert the Sheet Tray Mop in to the slit.

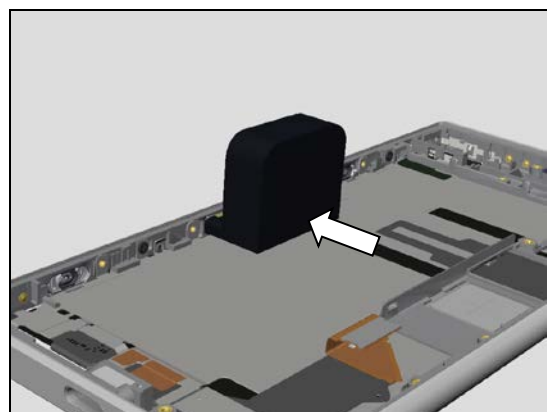


5.2 FP Sensor Assy

Install the FP Sensor Assy with Flex Film Assembly Tool.

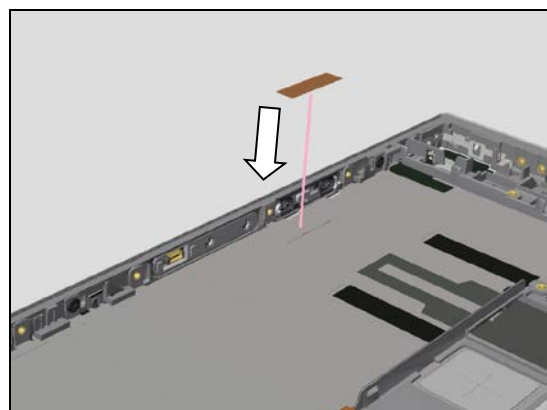


Press the FP Sensor Assy with FP Sensor Press Tool.

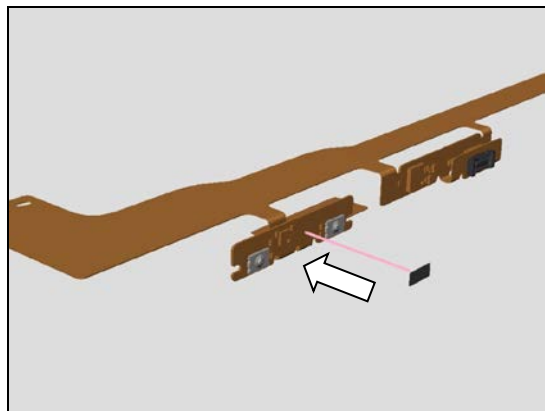


5.3 Key FPC

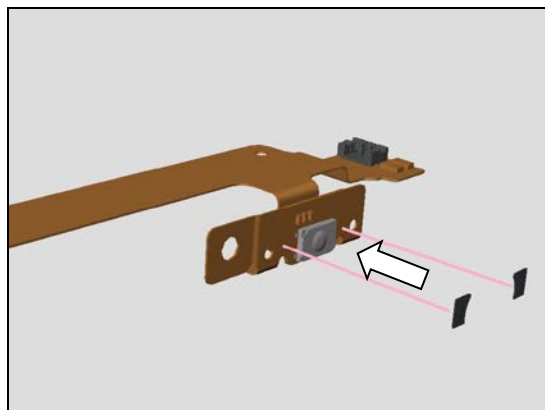
Affix the Adhesive FPC Key Relay with Tweezers.



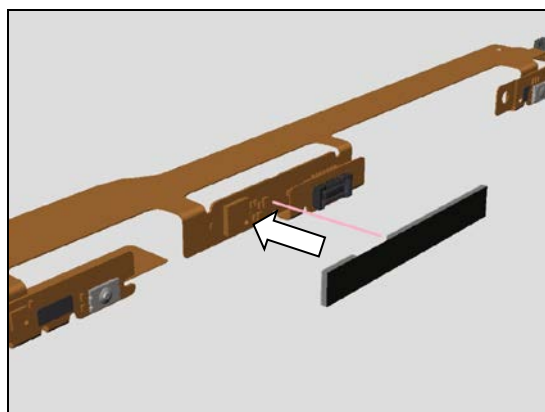
Affix the Adhesive FPC Key Volume on the Key FPC.



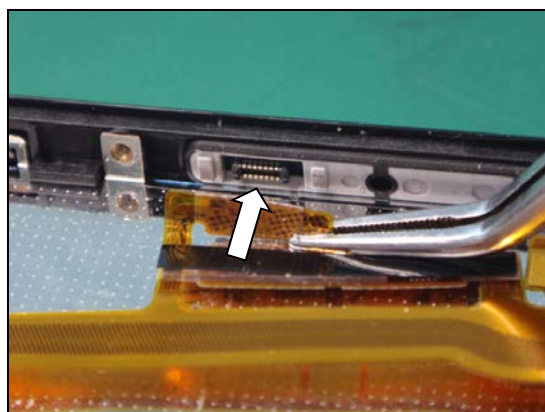
Affix the Adhesive FPC Key Camera on the Key FPC.



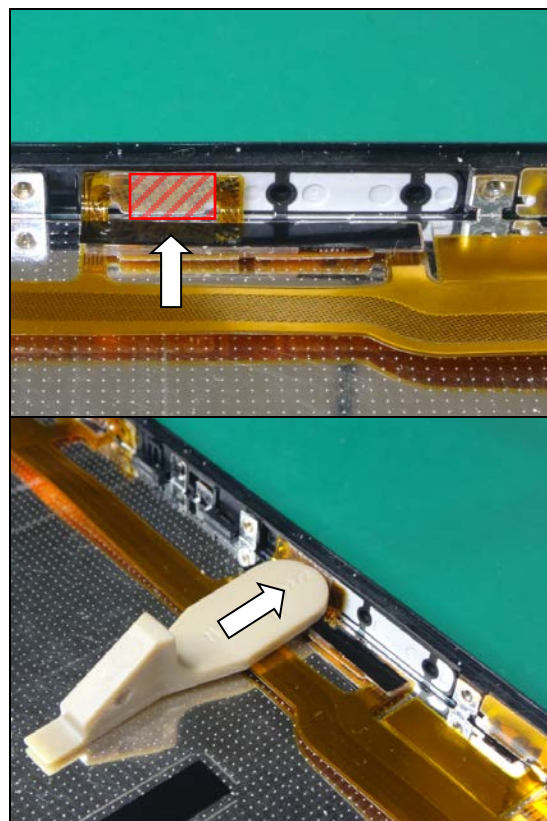
Affix the Sheet Key FPC on the Key FPC with Tweezers.



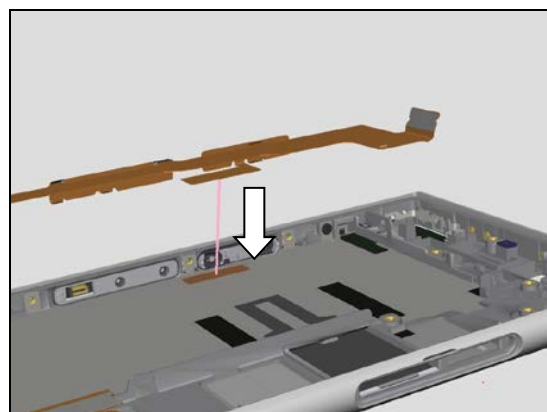
Connect FP Sensor B to B connector with Tweezers.



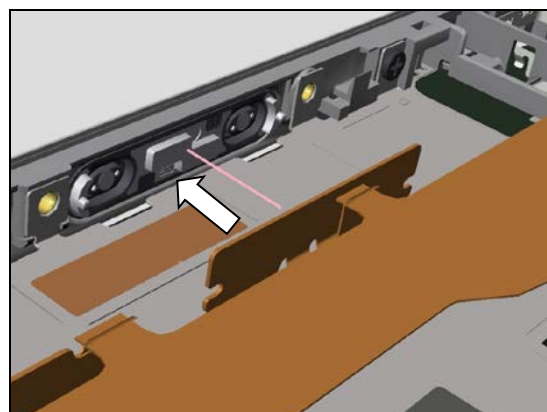
Press the red hatched portion by Front Opening Tool.



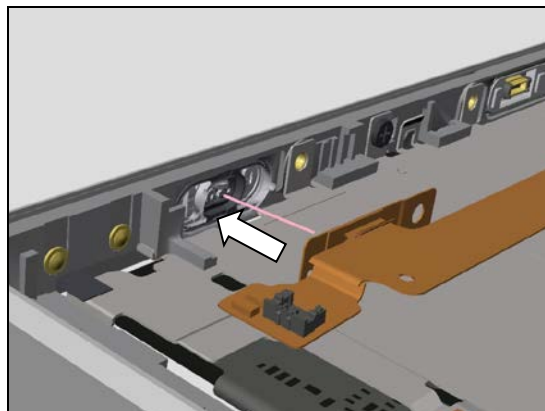
Affix the Key FPC on the Plate Display.



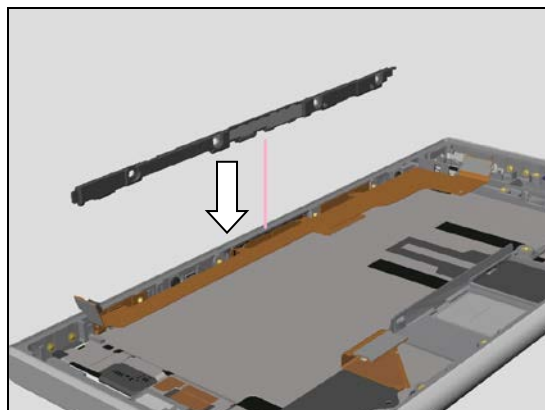
Affix the Key FPC on the Volume Key gasket.



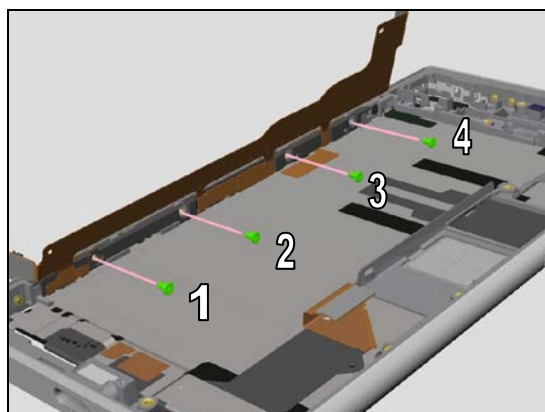
Affix the Key FPC on the Camera Key gasket.



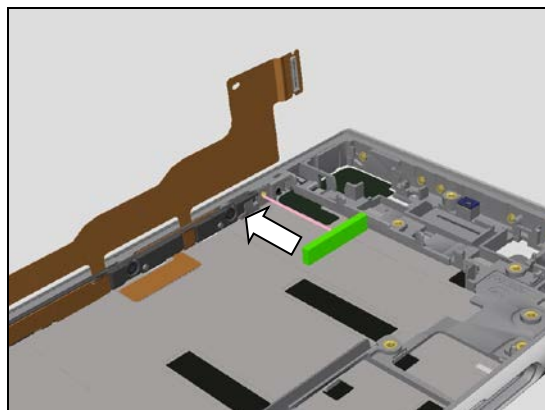
Place the Holder Key.



Tighten the Screw M1.4x2.0 with Screwdriver PH0 x 100.



Affix the Cushion Battery B.

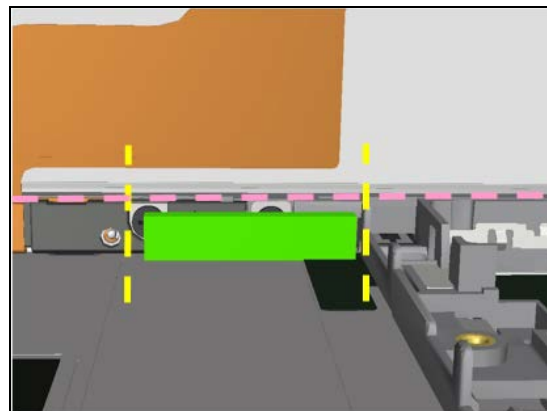


Reassembly

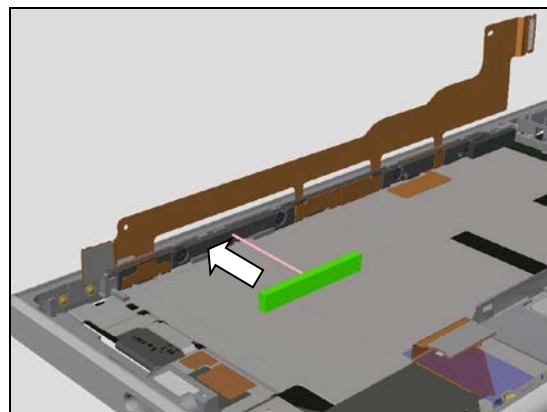
The Cushion Battery B must be located within dotted line.

Ups : not beyond pink dotted line

Right and Left : not beyond yellow dotted line



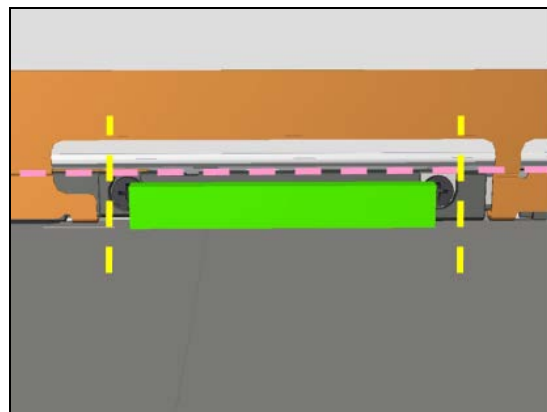
Affix the Cushion Battery A



The Cushion Battery A must be located within dotted line.

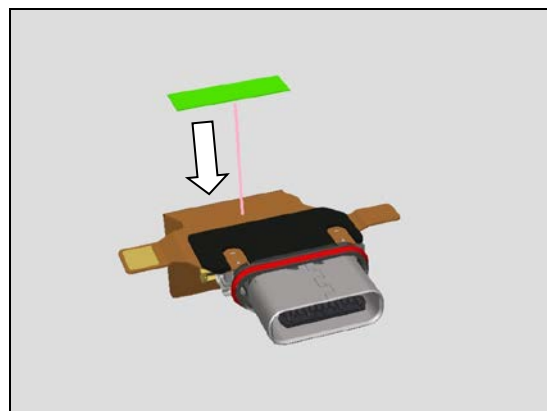
Ups : not beyond pink dotted line

Right and Left : not beyond yellow dotted line

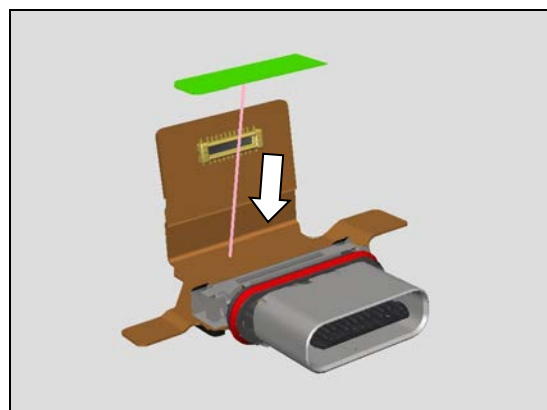


5.4 USB Connector

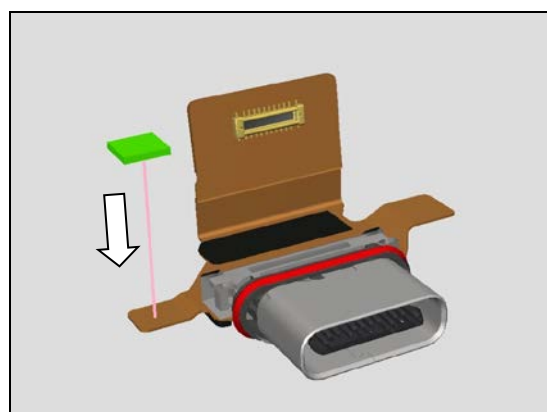
Affix the Sheet Magnetic FPC USB on the USB Connector.



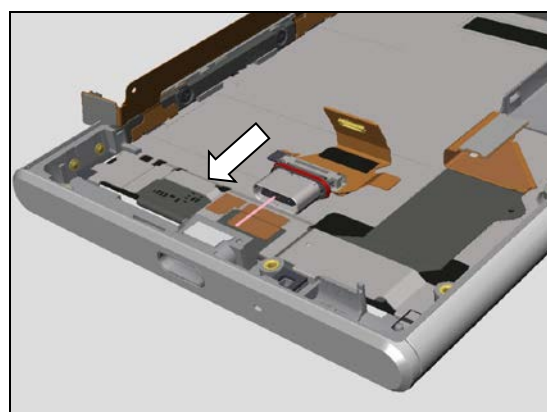
Affix the Sheet FPC USB on the USB Connector.



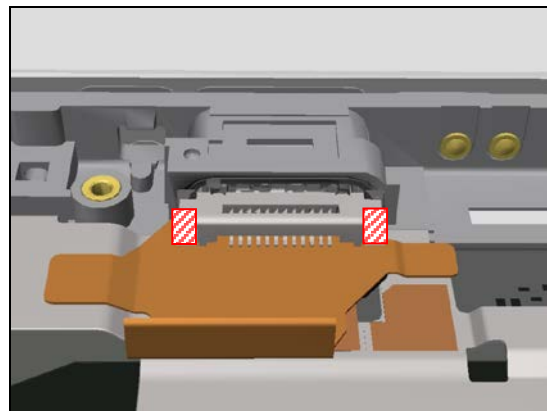
Affix the Cushion FPC USB on the USB Connector.



Install the USB Connector on the unit.

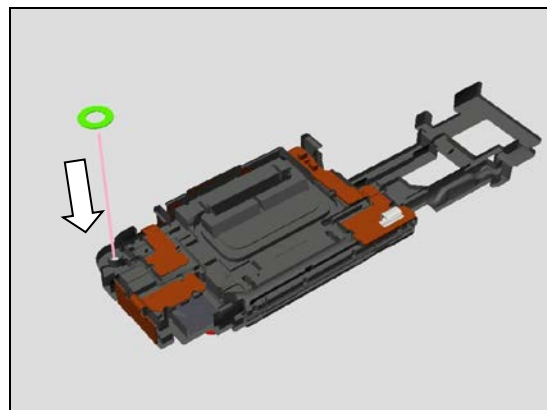


Press (red hatched portion) the USB Connector with Nylon Pointer.

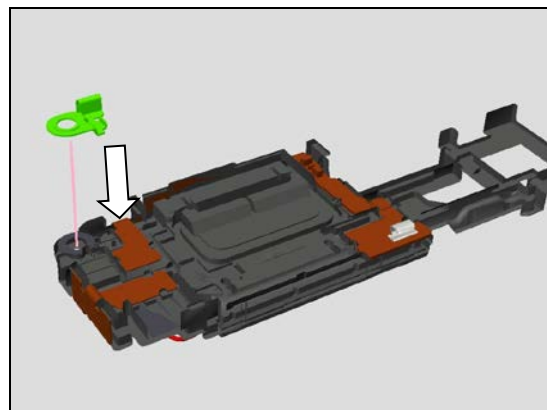


5.5 PBA ANT

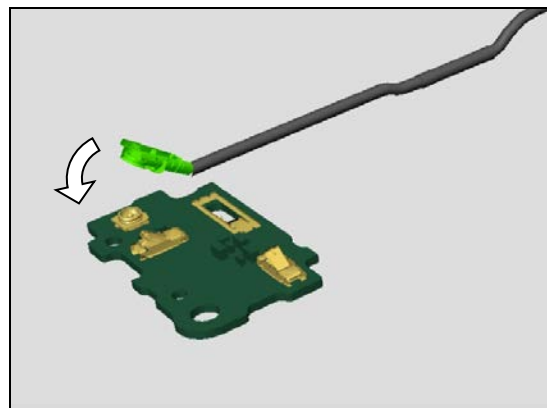
Affix the Adhesive Plate GND ANT Main on the Bottom Speaker.



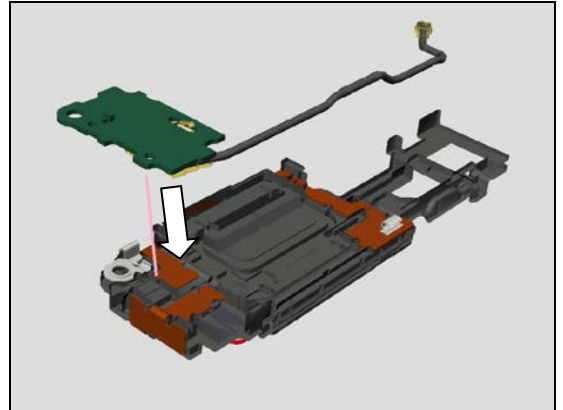
Install the Plate GND ANT Main on the Bottom Speaker.



Connect the RF Cable to the PBA ANT.

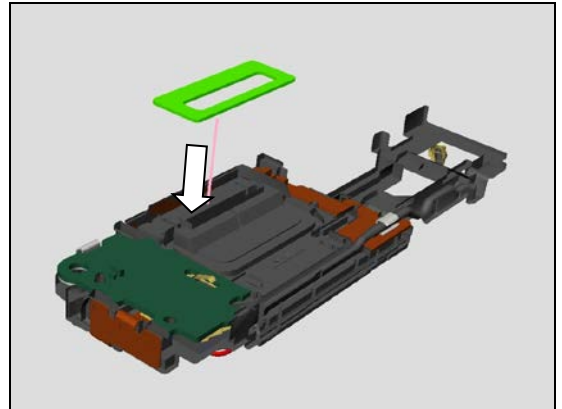


Install the PBA ANT on the Bottom Speaker.

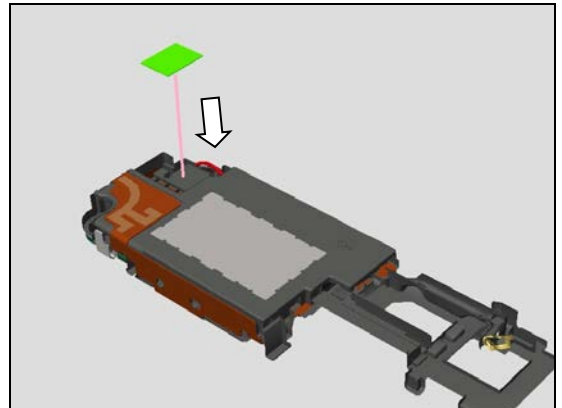


5.6 Bottom Speaker

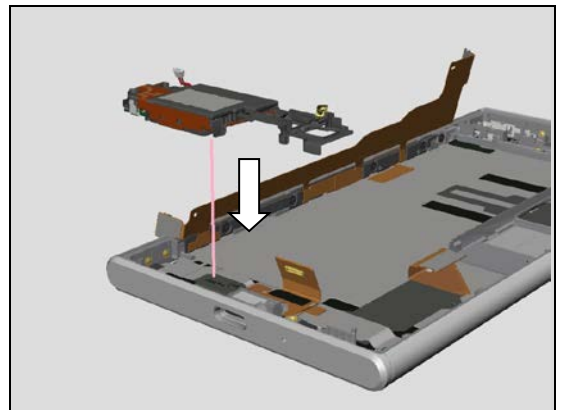
Affix the Adhesive WR Speaker Box on the Bottom Speaker.



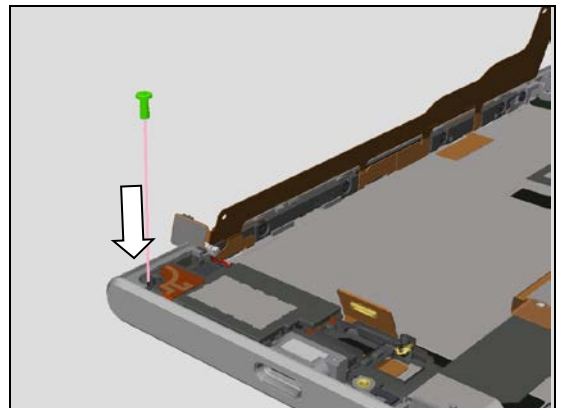
Affix the Adhesive Speaker Box FPC Key on the Bottom Speaker.



Install the Bottom Speaker on the unit.

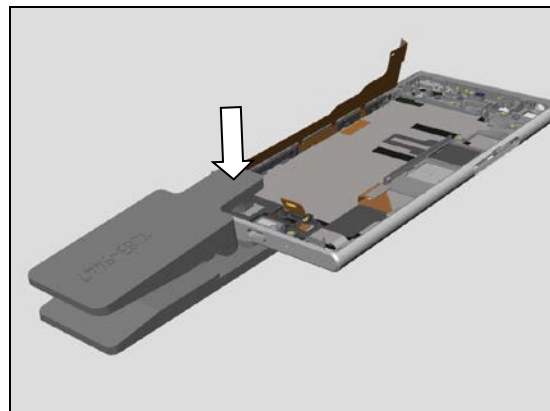


Tighten Screw M1.4x3.4 by using a screwdriver with Bits (JCIS No 0).
Torque : 10 Ncm



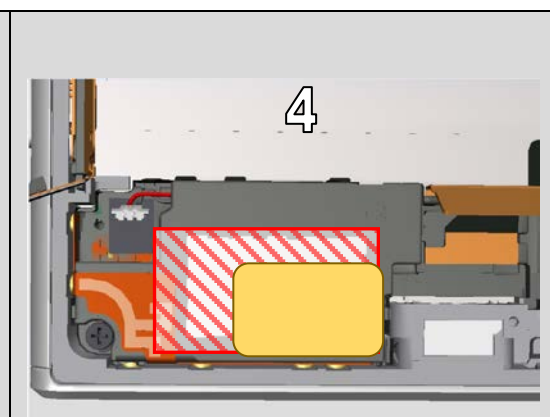
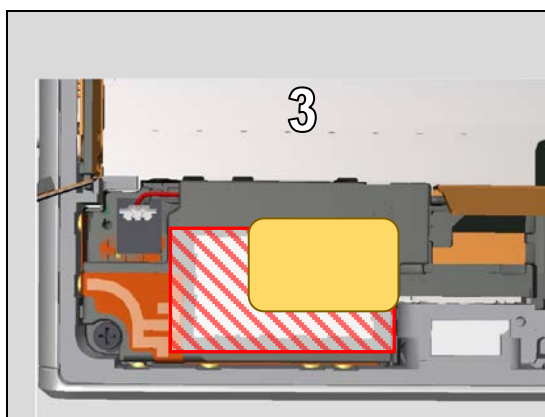
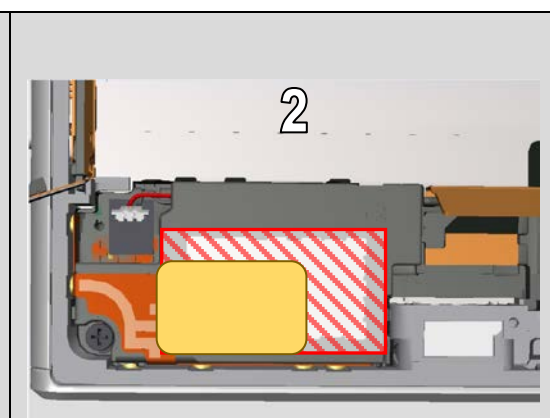
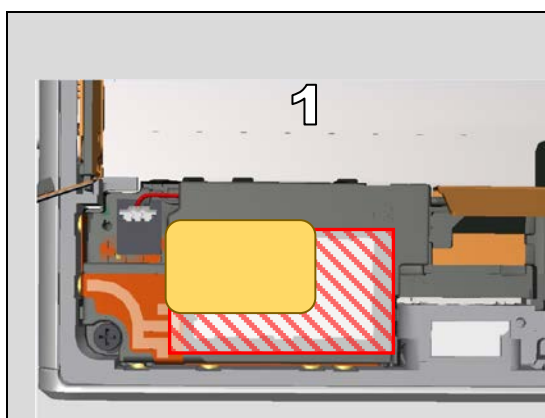
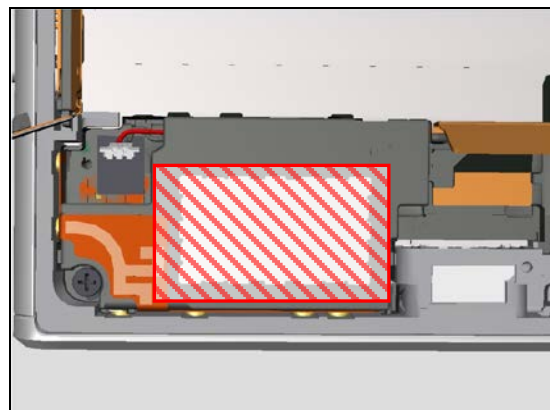
Reassembly

Press the Bottom Speaker with the Earspeaker/Loudspeaker Top Press Tool.



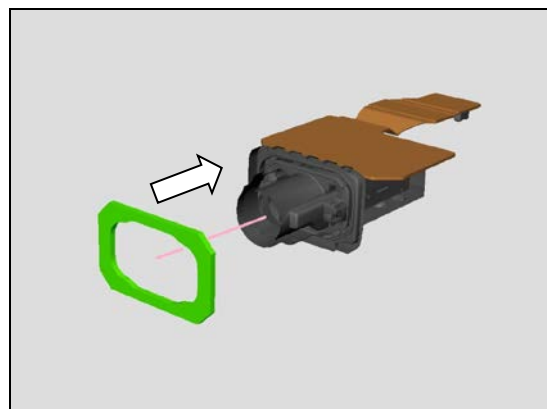
All of red hatched area is required to press.
Pressing area of Earspeaker/Loudspeaker Top Press Tool is smaller than red hatched area, and won't be able to complete one time pressing.
Press 4 portion as below (15 seconds for each portion) to cover the all red hatched area.

Flashing Customize or Refurbish in Emma must be performed when replace Bottom Speaker.

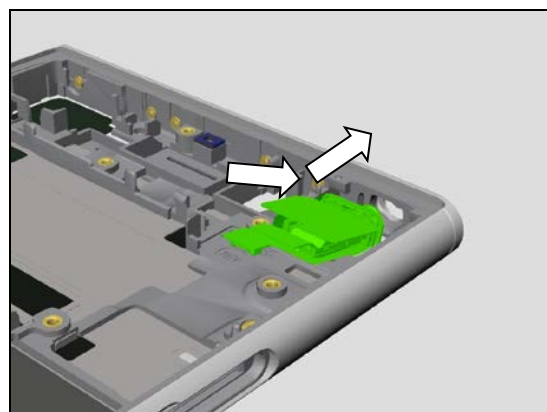


5.7 Audio Jack

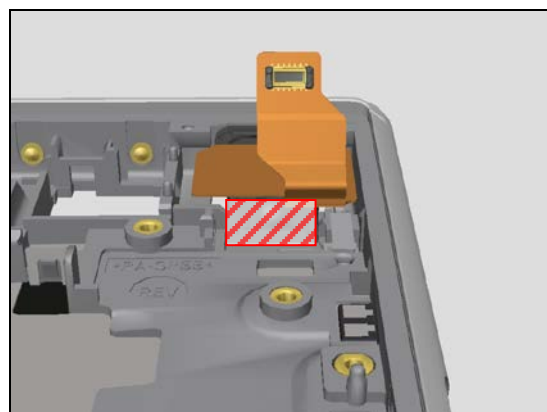
Affix the Adhesive WP Audio Jack on the Audio Jack.



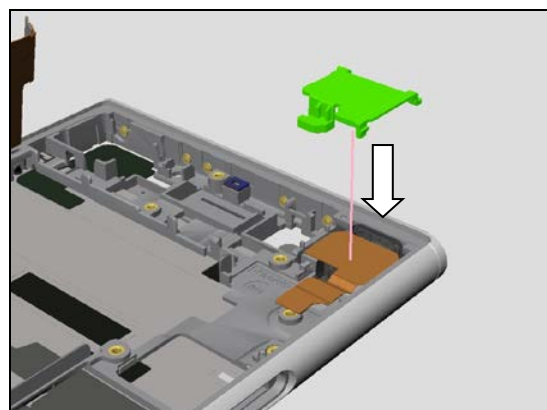
Install the Audio Jack on the unit.



Press the Audio Jack (red hatched portion) with Nylon Pointer.

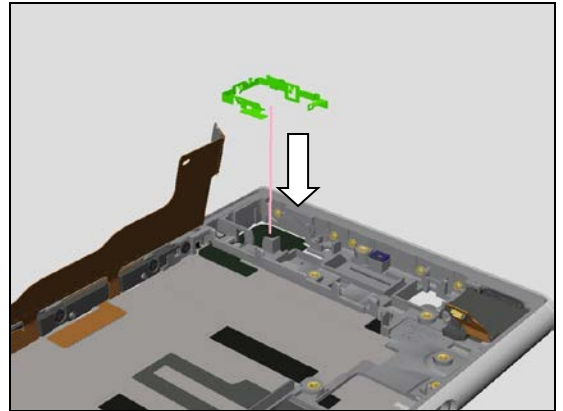


Install the Holder Audio Jack.



5.8 Plate Contact Main Camera

Install the Plate Contact Main Camera on the unit with Tweezers.



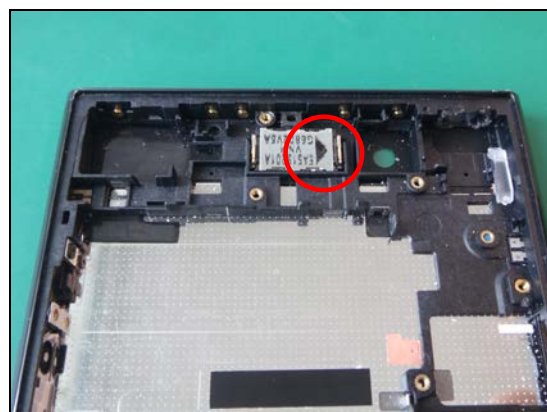
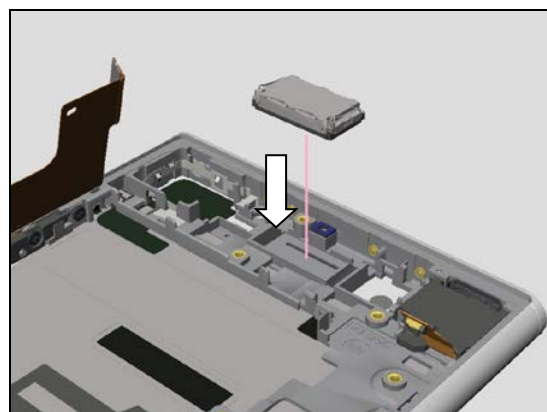
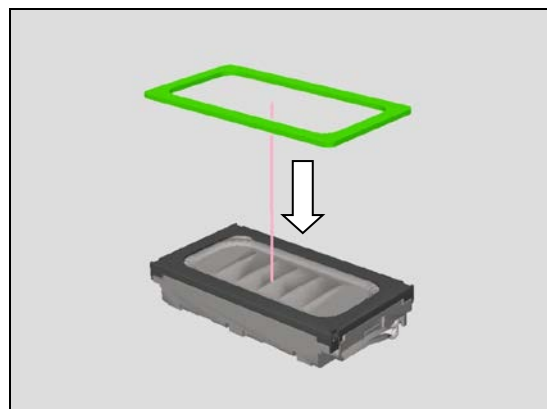
5.9 Top Speaker

Affix the Adhesive WR Receiver on the Top Speaker with Tweezers.

Install the Top Speaker on the unit.

Note! Be careful about installation direction of Top Speaker.
Triangle mark must be on the right hand side.

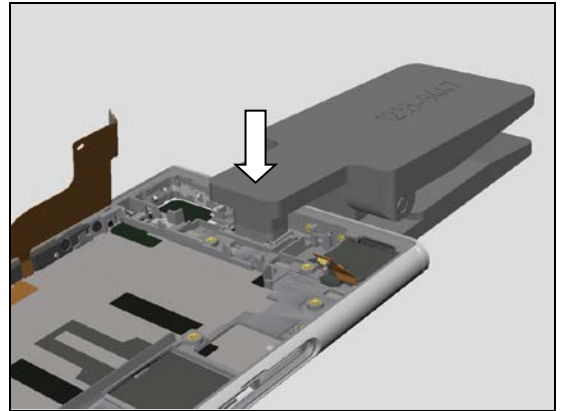
Affix the Cushion Aco on the Top Speaker.



Reassembly

Press the Top Speaker with the Earspeaker/Loudspeaker Top Press Tool for 5 seconds.

Flashing Customize or Refurbish in Emma must be performed when replace Top Speaker.

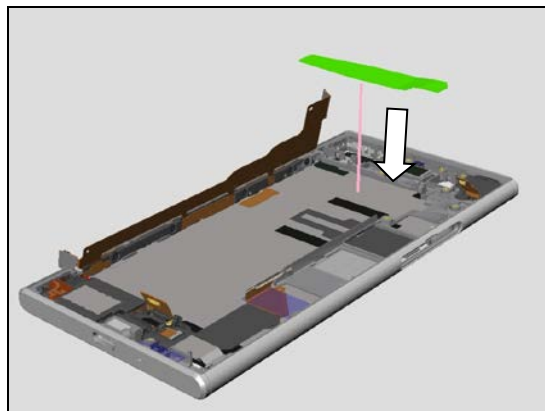


5.10 PBA Main

5.10.1 Affix the Adhesive Battery on the unit

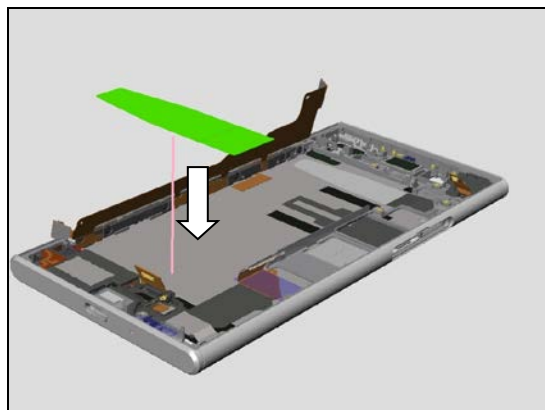
Affix the Adhesive Battery A 1 on the unit.

Note! Don't remove the separator sheet at this point. It will be removed on 5.13 Battery reassembly.



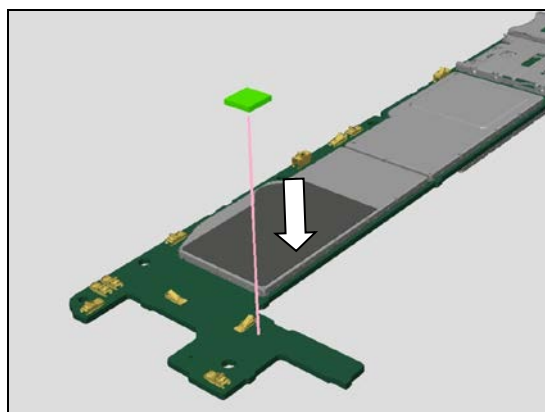
Affix the Adhesive Battery A 2 on the unit.

Note! Don't remove the separator sheet at this point. It will be removed on 5.13 Battery reassembly.

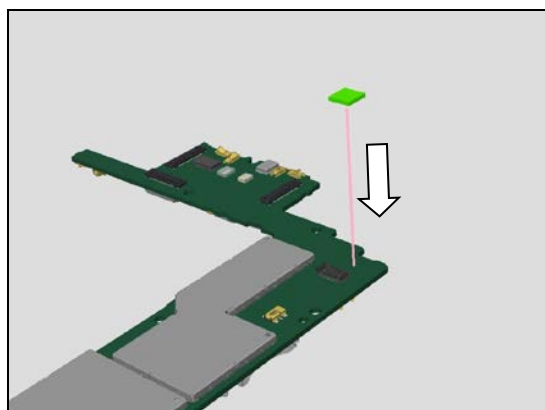


5.10.2 Affix the Cushion on the PBA Main

Affix the Cushion PBA on the primary side of the PBA Main.



Affix the Cushion PBA on the secondary side of the PBA Main.



5.10.3 Apply the Thermal Gap Filler

Prepare the new Thermal Gap Filler Syringe and Thermal Gap Filler Tube.

Thermal Gap Filler requires to be re-applied when Main PBA or/and Front Assy is replaced.

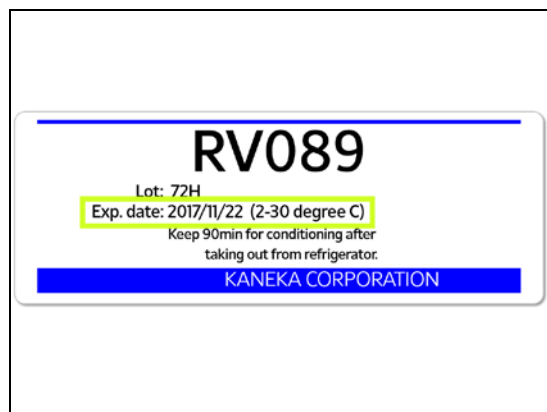
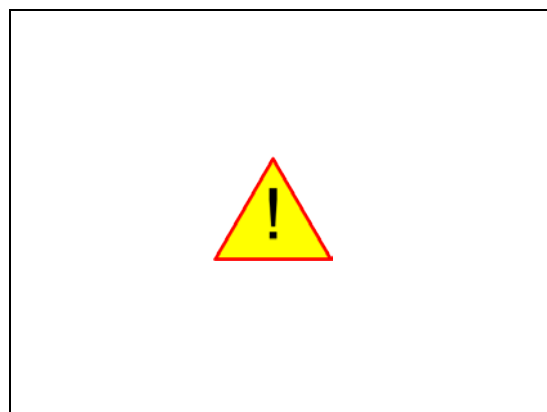


Open the below embedded Thermal Gap Filler instruction, and make sure to go through it prior to use!



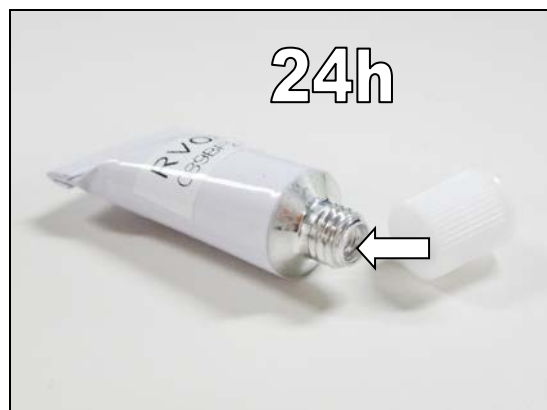
TGF_instruction_
for_Service_PA3.

Check expiration date of the thermal gap filler to refer to the date on the label where affix on the box.



Open the tube with cap head

**Material will start to set once it is exposed to air.
Scrap! Thermal Gap Filler Tube cannot be used in 24h after opening.**



Reassembly

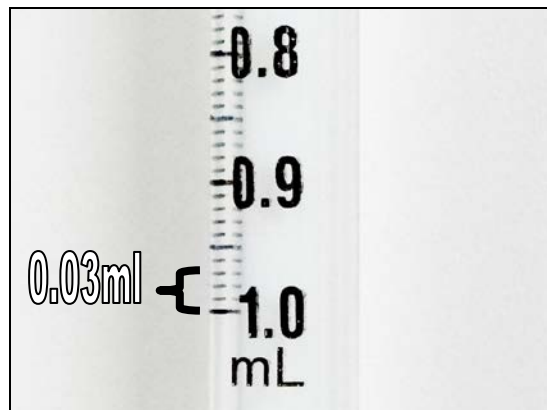
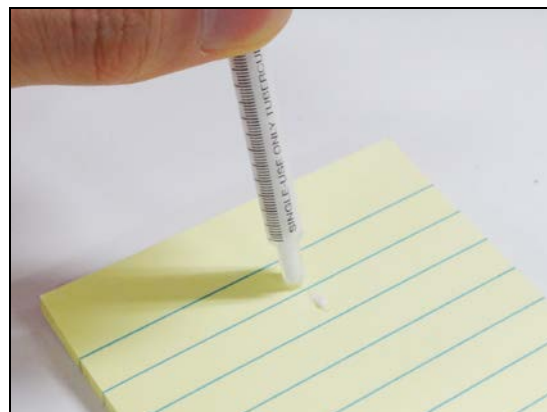
Fill the contents of the tube in to the syringe from the end of the syringe.

**Once filled in the syringe, must use within 1 hour.
Scrap! Thermal Gap Filler Syringe cannot be used 1 hour
after filling.**

Make sure the contents reach up to the tip of the syringe
and a small amount of the contents flows out as air is
released.

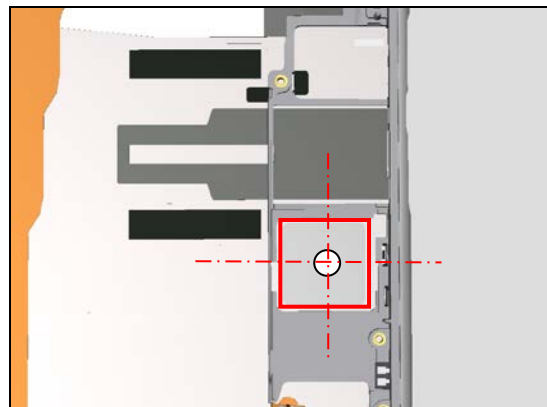
Wipe off the tip before using.

Applying volume for one unit is 0.03 ml.



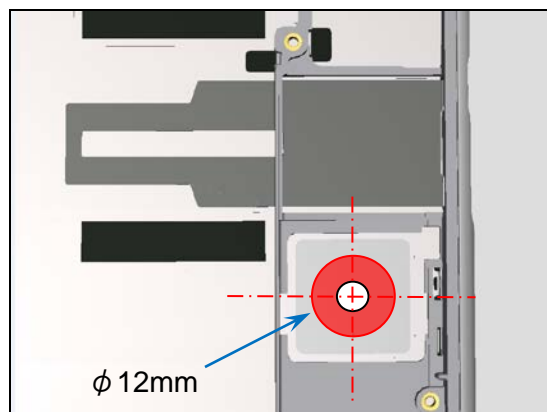
Reassembly

Carefully apply the Thermal Gap Filler to the unit (Center of the red square area) as shown in the picture.



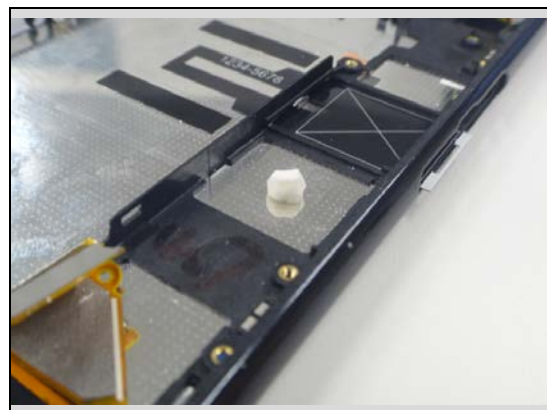
Thermal Gap Filler must be in the red shaded area.

Installing of PBA Main must be done immediately after applied Thermal Gap Filler (within 5 minutes).



Sample Picture

Note! If the position or amount is not correct, wipe it off with a cotton swab, and apply another fresh Thermal Gap Filler.



Wipe off the tip of the syringe until next repair.

Scrap! Don't refill the Thermal Gap Filler to the used syringe.



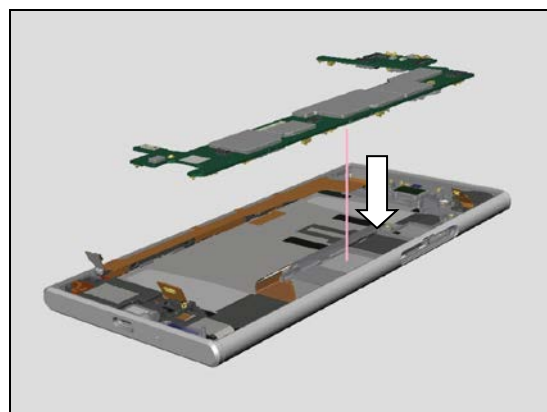
Next time you use, let a small amount of contents flow out and wipe off the tip again.



5.10.4 Install the PBA Main

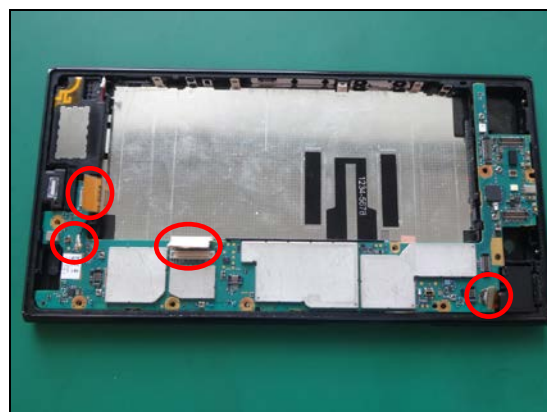
Install the Main PBA.

Note! Installing of PBA Main must be done immediately after applied Thermal Gap Filler (within 5 minutes).

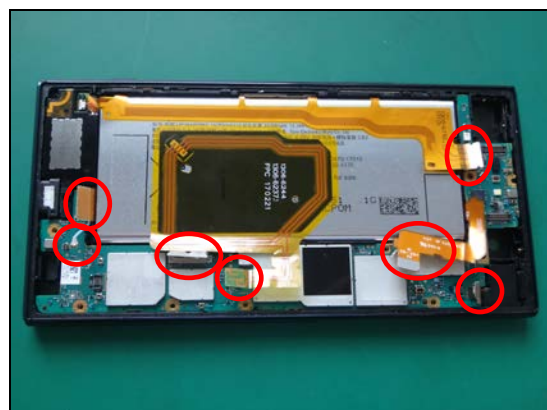


Note! During installing the PBA Main, USB FPC / LCD FPC / Audio Jack FPC/ RF Cable might interfere to install the Main PBA.

Be careful to install the PBA Main to avoid damages on the FPCs and cable.

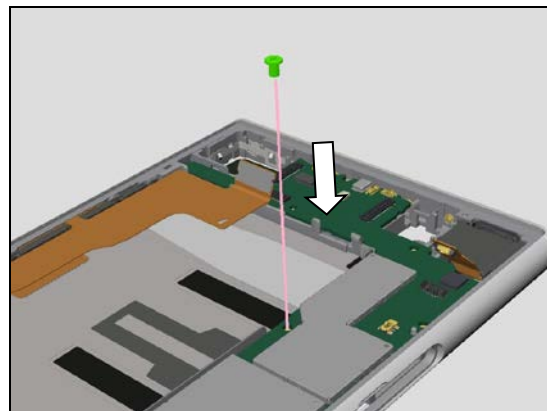


Note! If battery was not removed, and install the PBA Main, during installing the PBA Main, USB FPC / LCD FPC / Audio Jack FPC/ RF Cable / Battery FPC / Key FPC / Ant NFC Flex might interfere to install the Main PBA.
Be careful to install the PBA Main to avoid damages on the FPCs and cable.

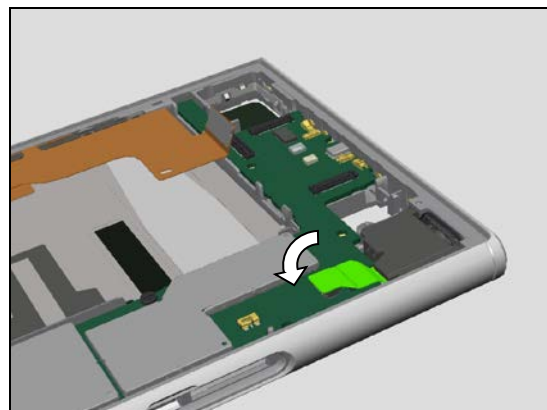


Reassembly

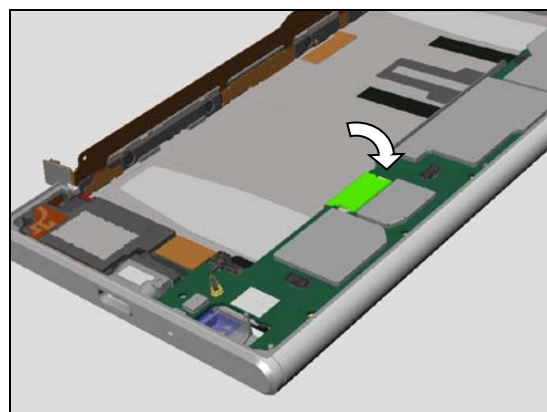
Tighten Screw M1.4x2.0 by using a screwdriver with Bits
(JCIS No 0).
Torque : 10 Ncm



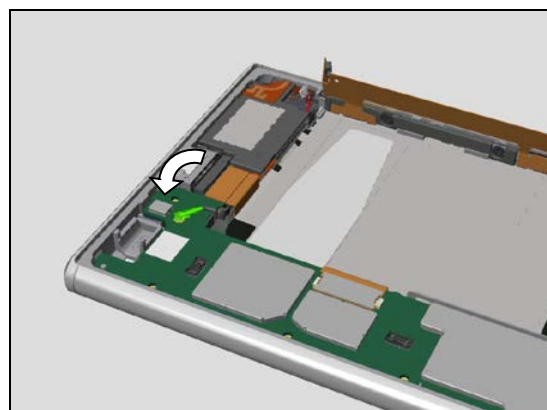
Connect the Audio Jack B to B Connector.



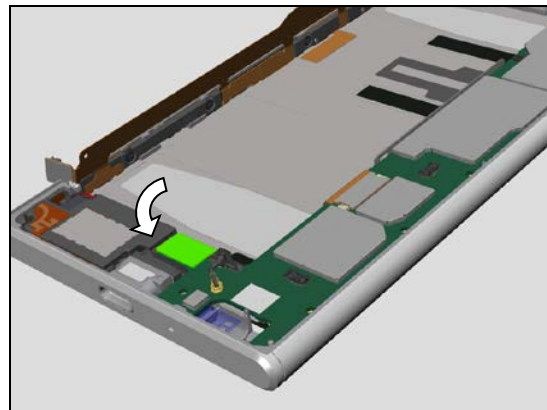
Connect the LCD FPC B to B Connector.



Connect the RF Cable Connector.

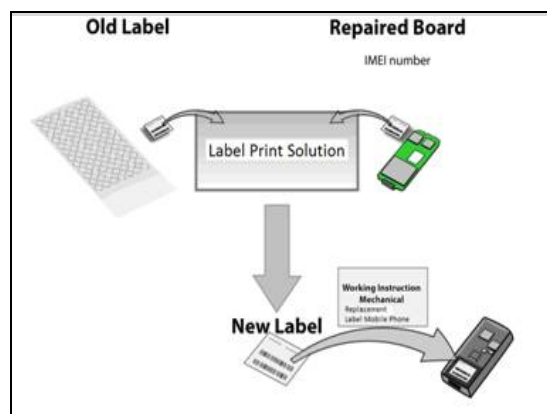


Connect the USB FPC Connector.



5.10.5 Replace the MoP Label

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



5.11 Battery

Note!

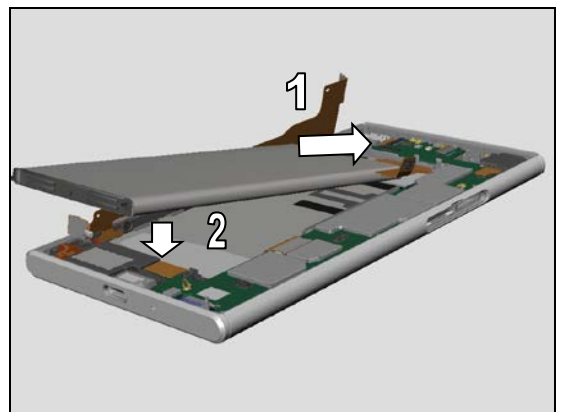
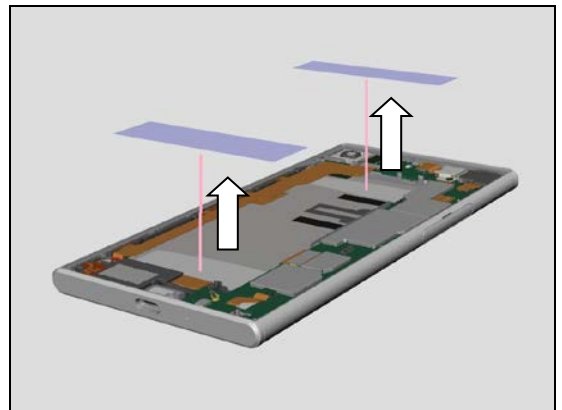
Clean the battery compartment by pressure air using with air duster spray can or ionized air blower. And, make sure to no foreign materials on the battery compartment of the unit. Any foreign materials put into between battery and unit will be cause of battery damages.

Remove the Separator Sheet of Adhesive Battery A 1, and Adhesive Battery A 2.

Install the Battery on the unit.

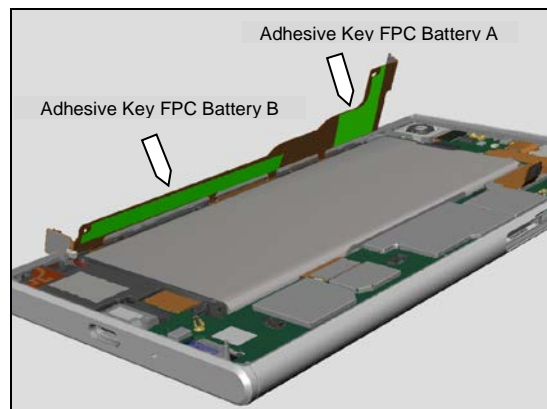
Note!

If you reuse the battery, follow the 6. Battery Reuse Instruction before installing the battery.



Reassembly

Check if Adhesive Key FPC Battery A, and Adhesive Key FPC Battery B have stickiness.
If they have stickiness, they can be reused.
If not, affix the Adhesive Key FPC Battery A, or/and Adhesive Key FPC Battery B.

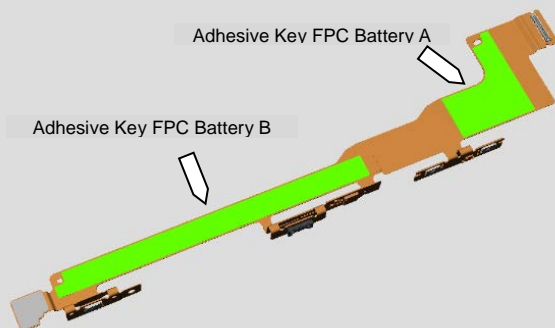


The shape of Adhesive Key FPC Battery A, and Adhesive Key FPC Battery B had been change which are attached on the Key FPC.

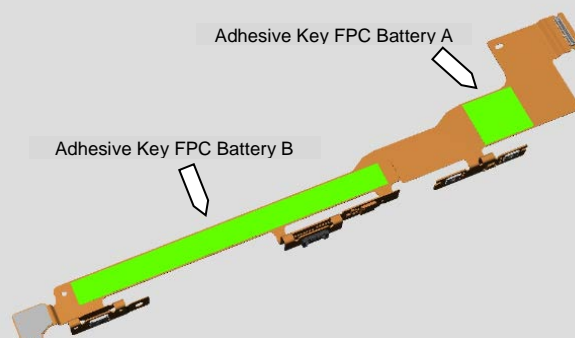
They have compatibility, and have interchangeability.

But, consume the old adhesives as priority.

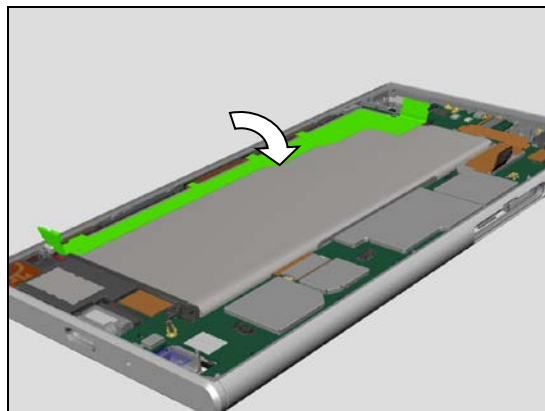
Old type of Adhesives



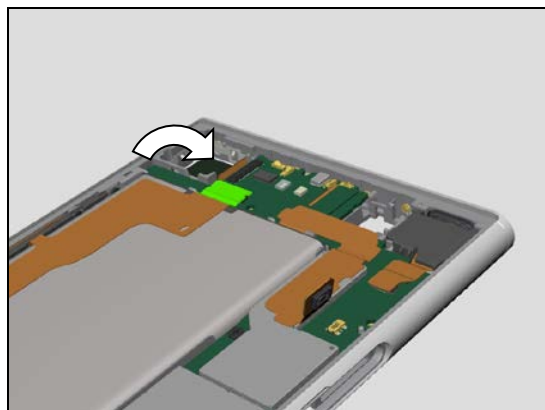
New type of Adhesives



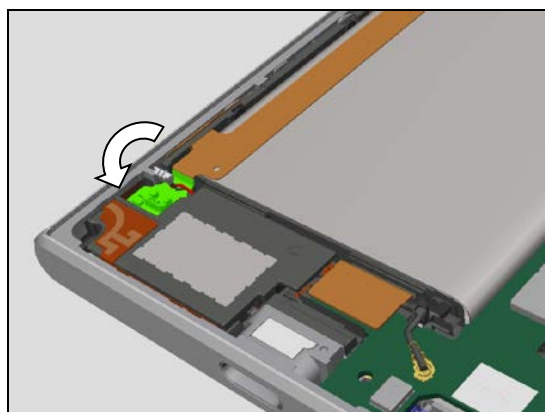
Affix the Key FPC on the Battery.



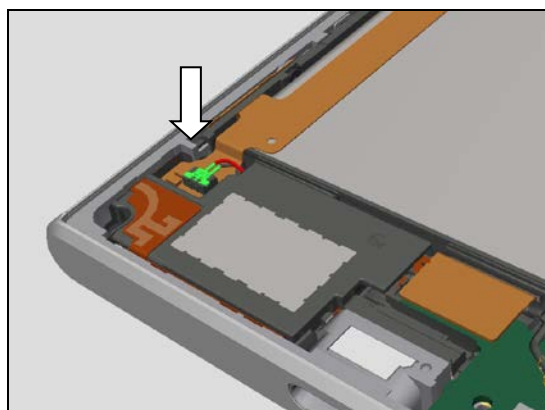
Connect the Key FPC B to B connector.



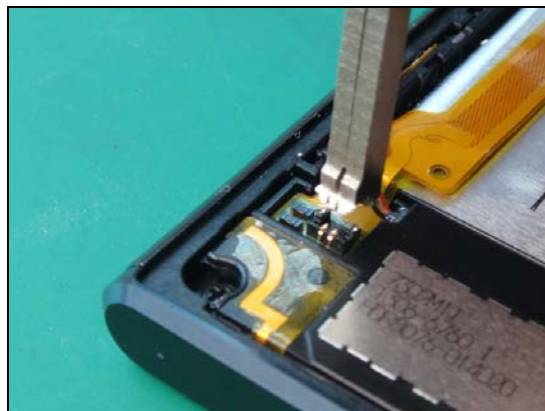
Affix the key FPC on the Bottom Speaker.



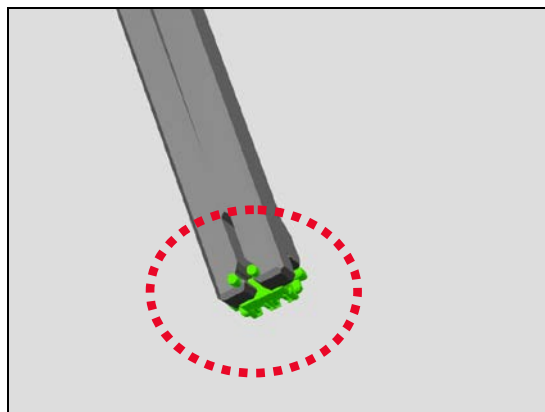
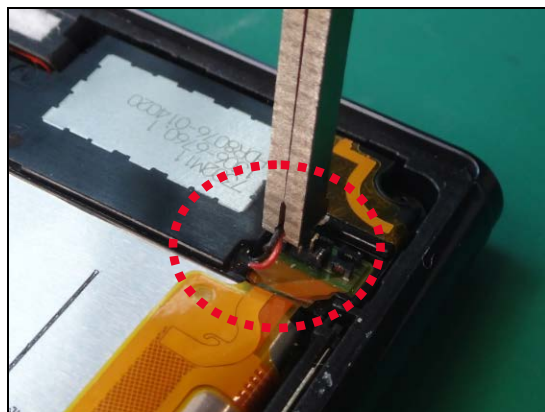
Connect the Bottom Speaker Cable to refer to the following procedure.



Hold the connector by Speaker Box Connector Tool.

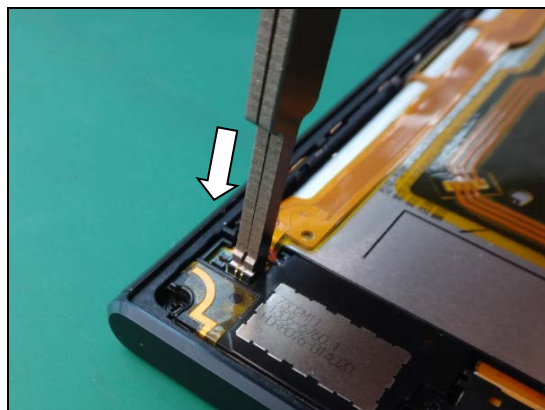


Make sure to hold the cables by Speaker Box Connector Tool.



Connect the Bottom Speaker Cable Connector.

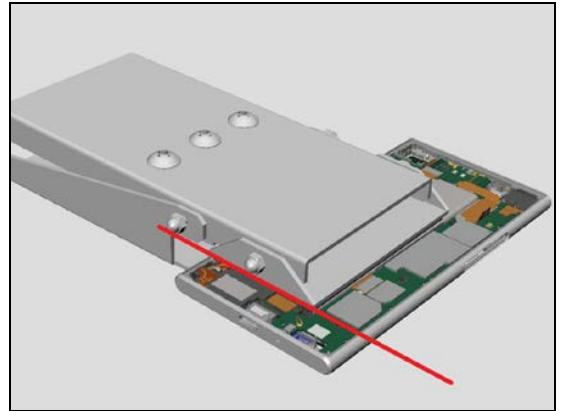
Note! Connector should be connected straight it down in the lower direction.



Reassembly

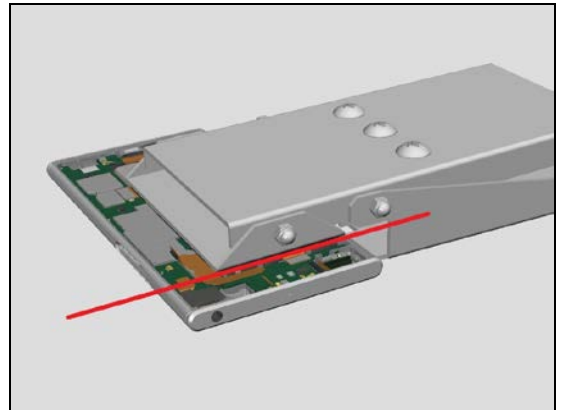
Set the Press Clamp on the unit to align the red line (bottom side of the Battery).

Press Battery to using with Press Clamp for 10 seconds.



Set the Press Clamp on the unit to align the red line (top side of the Battery).

Press Battery to using with Press Clamp for 10 seconds.



Note: Aged Battery Reset in EMMA must be performed when replaced the Battery to delete Battery log data. After assemble the unit, perform Aged Battery Reset in EMMA.

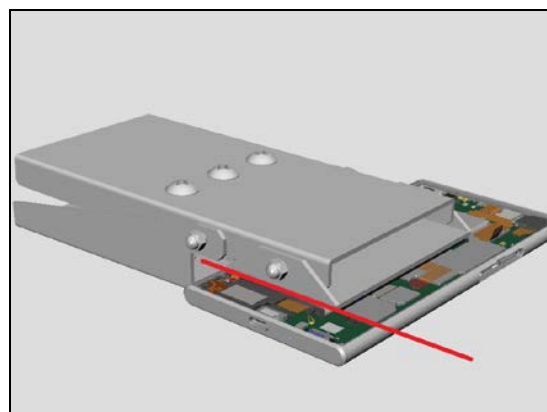
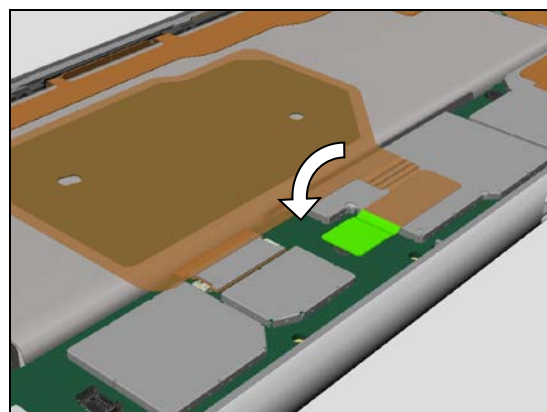
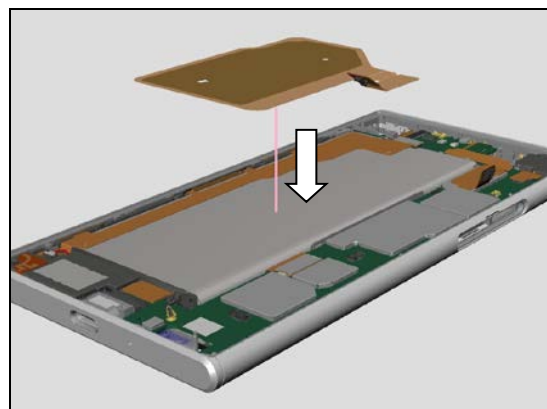
5.12 Ant NFC Flex

Affix the Ant NFC Flex on the Battery.

Connect the Ant NFC Flex B to B connector.

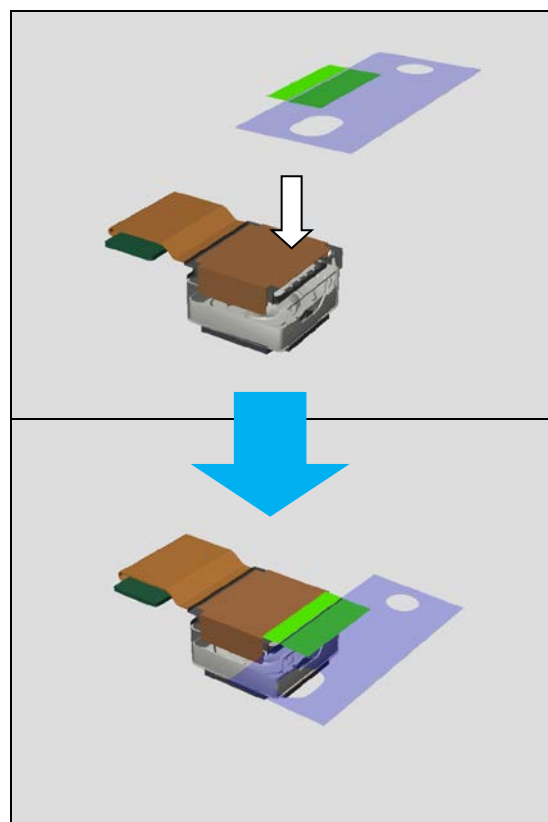
Set the Press Clamp on the unit to align the red line (bottom side of the Battery).

Press Battery to using with Press Clamp for 5 seconds.

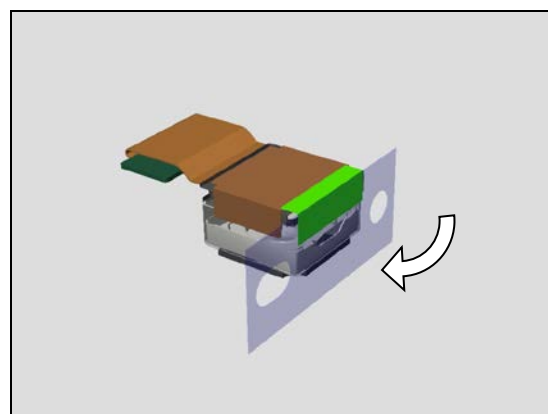


5.13 Front Camera

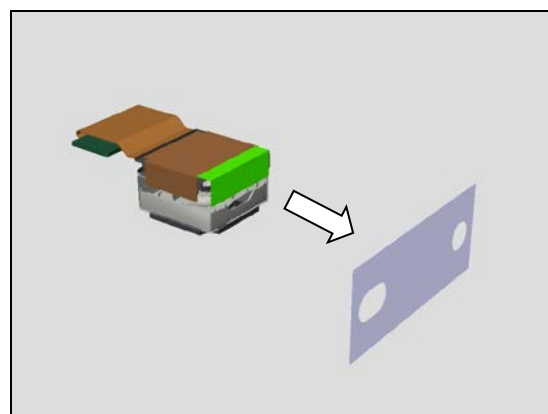
Affix the Sheet Insulation Sub Camera on the bottom side of the Front Camera.



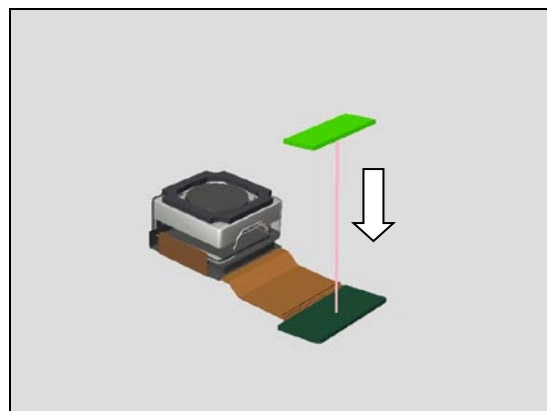
Affix the Sheet Insulation Sub Camera on the side of Front Camera to fold.



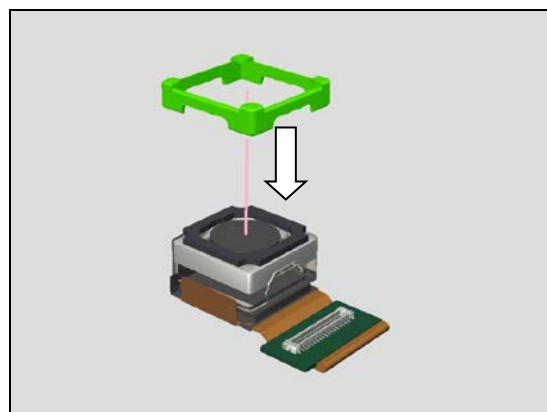
Remove the separator of the Sheet Insulation Sub Camera.



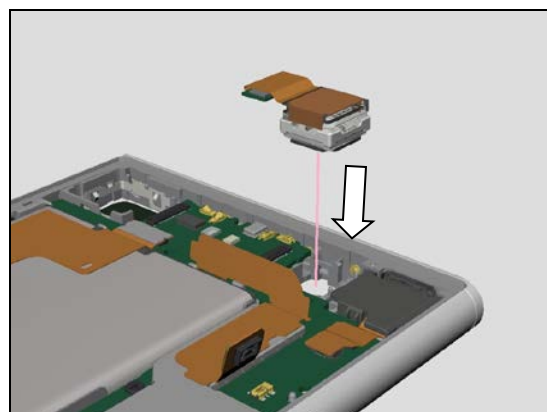
Affix the Sheet BtoB Sub Camera on the Front Camera.



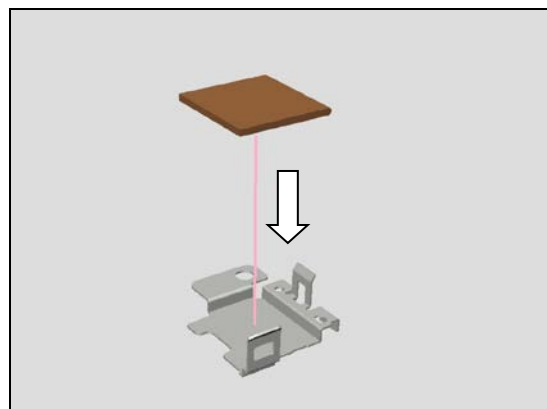
Install the Holder Front Camera on the Front Camera..



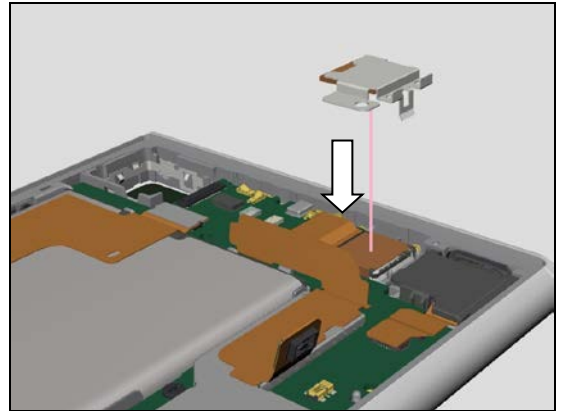
Install the Front Camera on the unit.



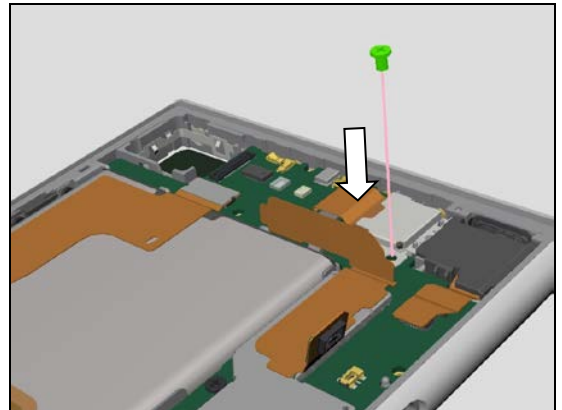
Affix the Gasket Sub Camera on the Plate Sub Camera.



Install the Plate Sub Camera on the unit.

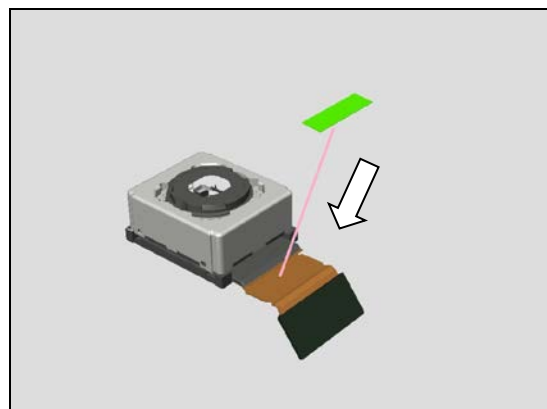


Tighten Screw M1.4x2.0 by using a screwdriver with Bits (JCIS No 0).
Torque : 10 Ncm

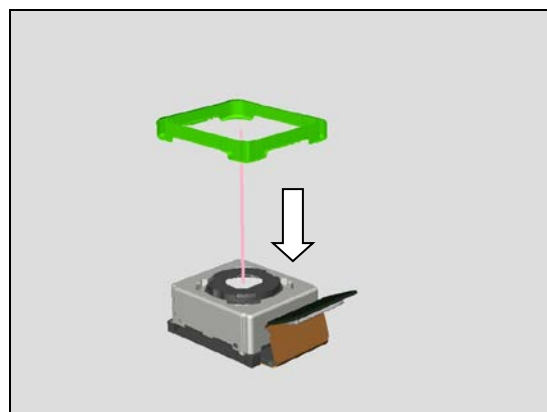


5.14 Main Camera

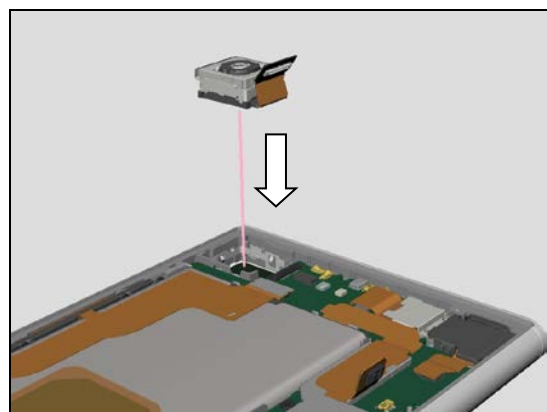
Affix the Sheet Conductive Main Camera.



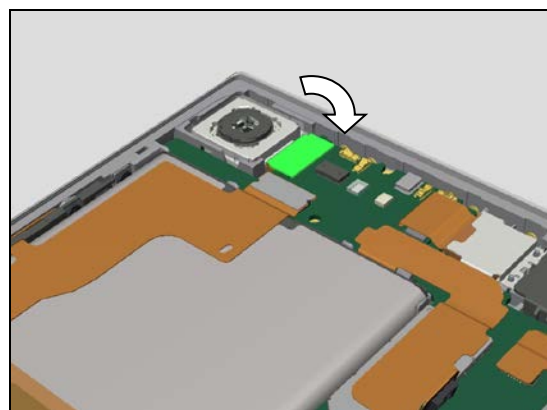
Install the Holder Main Camera.



Install the Main Camera on the unit.

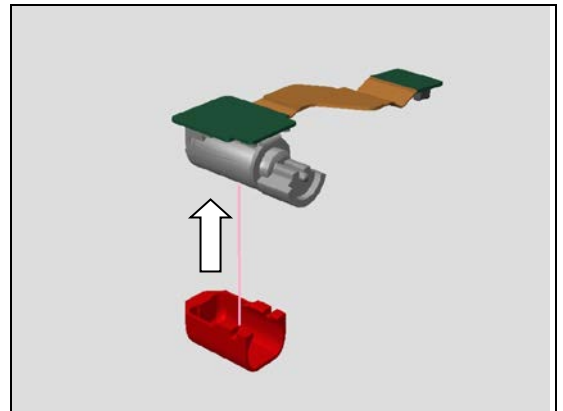


Connect the Main Camera FPC B to B Connector.

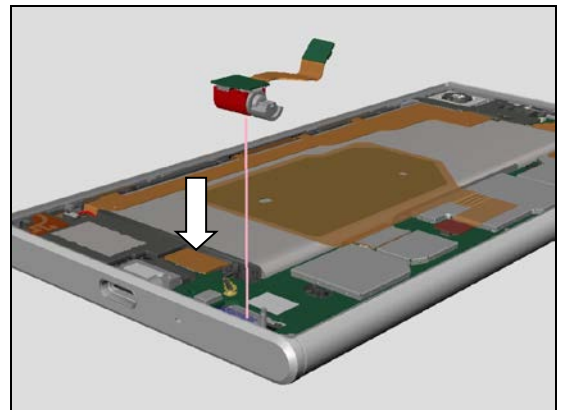


5.15 Vibrator

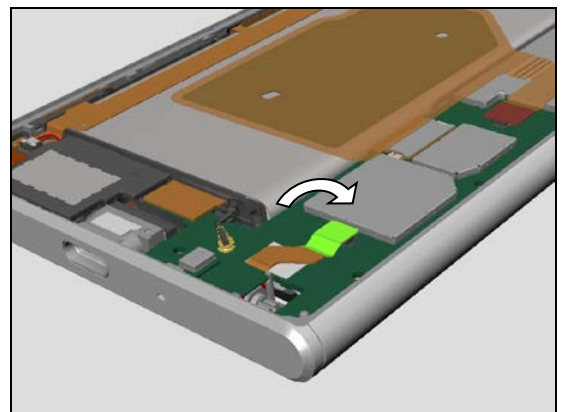
Install the Holder Vib on the Vibrator.



Install the Vibrator on the unit.



Connect the Vibrator FPC B to B Connector.



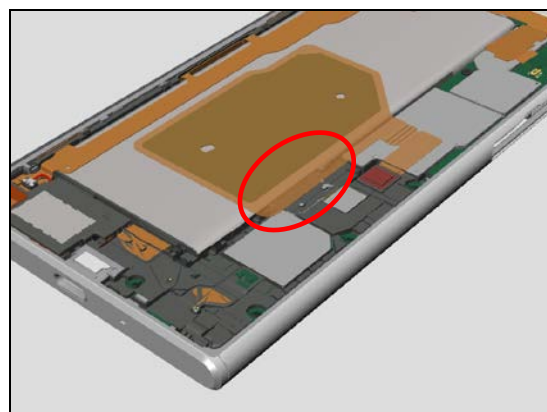
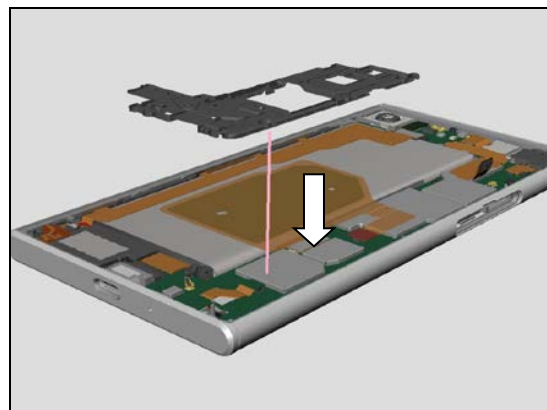
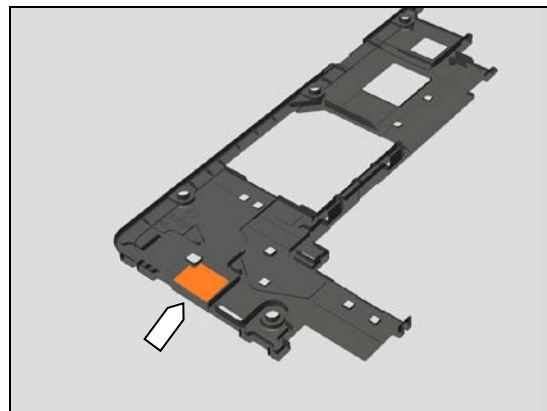
5.16 Holder PBA

Check if Adhesive Holder Vib has stickiness.
If it has stickiness, can be reused.
If not, affix the Adhesive Holder Vib.

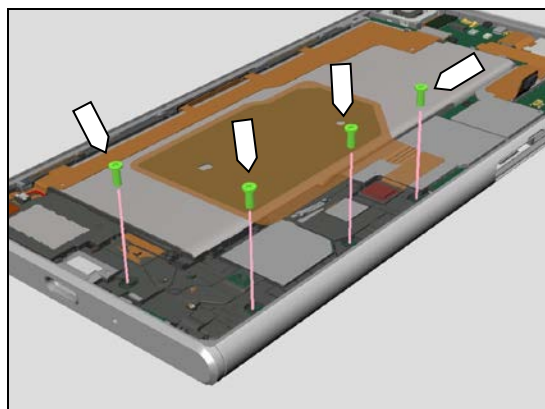
Install the Holder PBA on the unit.

**Note! Holder PBA is located under the Ant NFC Flex.
Lift the Ant NFC Flex gently to avoid the damage on the
Ant NFC Flex during installing the Holder PBA.**

Press the red hatched portion with finger, and make sure
that hooks had been locked.

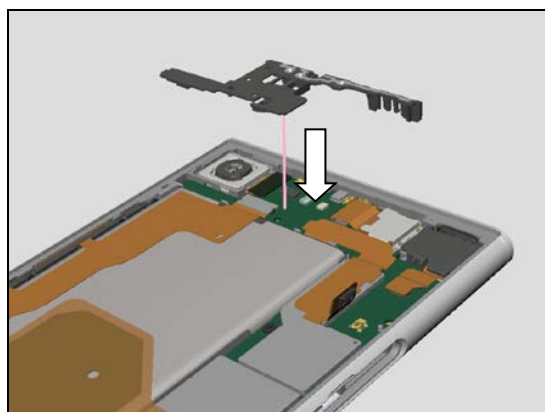


Tighten 4 pieces of Screw M1.4x3.4 by using a screwdriver with Bits (JCIS No 0).
Torque : 10 Ncm

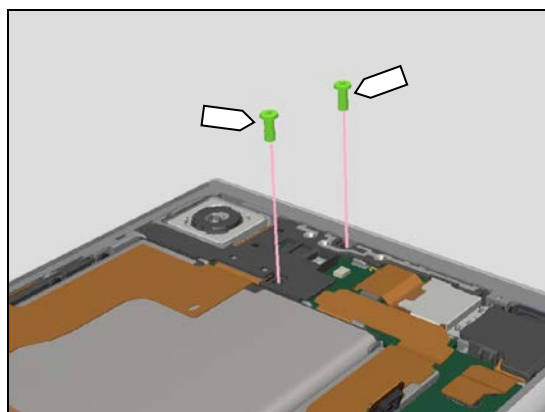


5.17 Ant Diversity LDS

Install the Ant Diversity LDS on the unit.

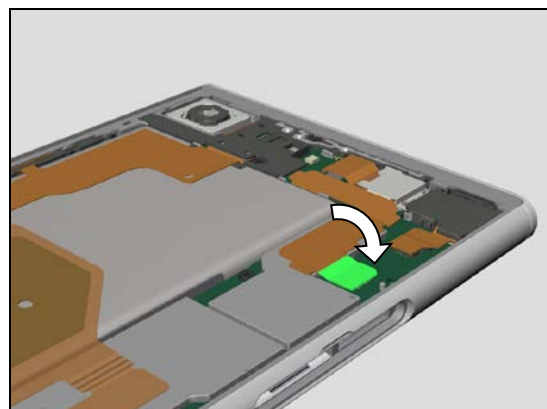


Tighten 2 pieces of Screw M1.4x3.4 by using a screwdriver with Bits (JCIS No 0).
Torque : 10 Ncm

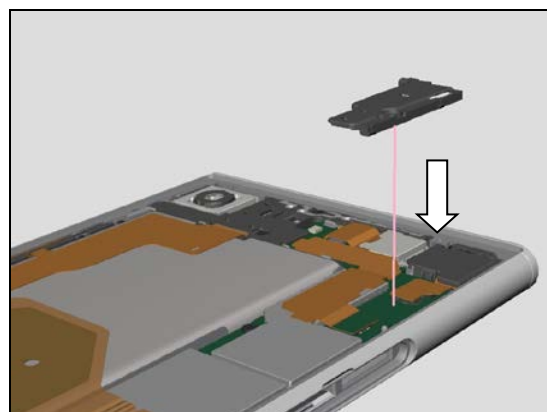


5.18 Holder PBA Top

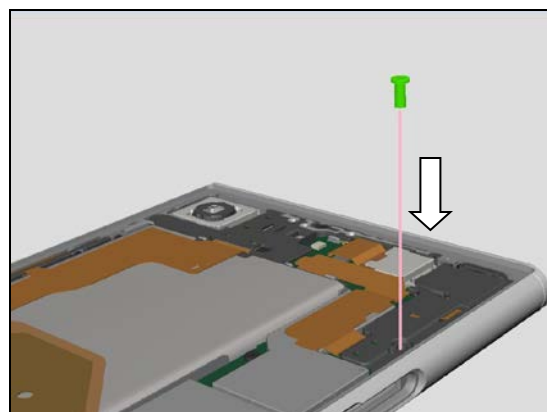
Connect the Battery B to B Connector.



Install the Holder PBA Top on the unit.



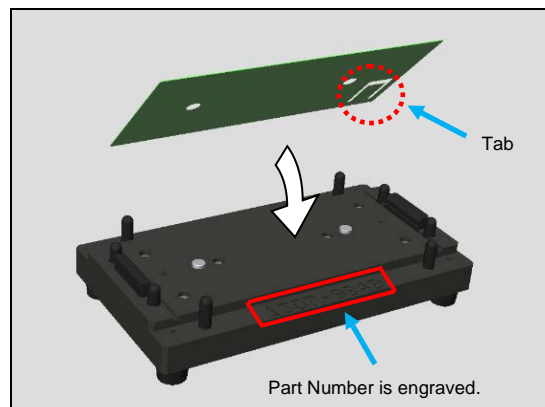
Tighten Screw M1.4x3.4 by using a screwdriver with Bits (JCIS No 0).
Torque : 10 Ncm



5.19 Panel Rear

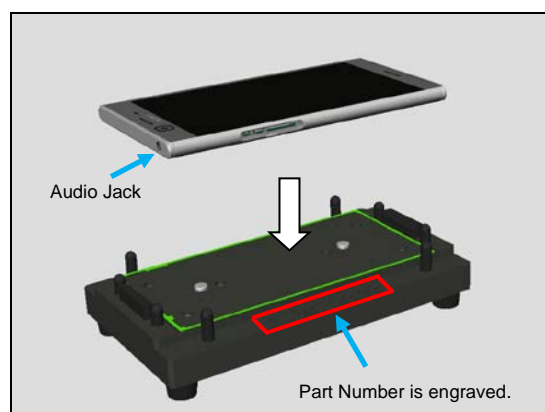
Remove the release paper of the Adhesive WR Panel Rear, and place on the Rear Panel Adhesive Positioning Fixture.

Refer to the illustration for placing direction of the Adhesive WR Panel Rear.

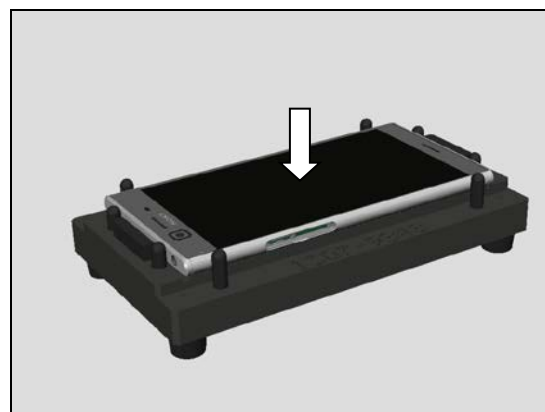


Place the unit on the Rear Panel Adhesive Positioning Fixture.

Refer to the illustration for placing direction of the unit.

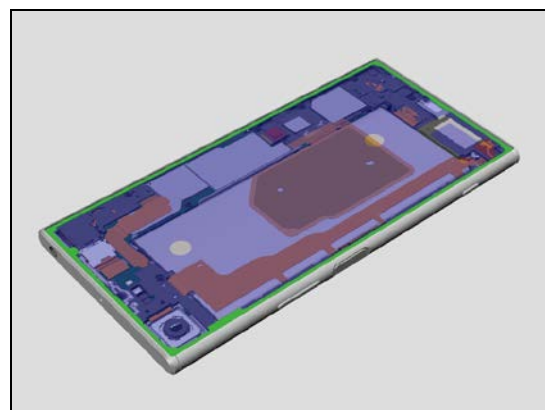


Press the unit with fingers to paste the Adhesive WR Panel Rear.



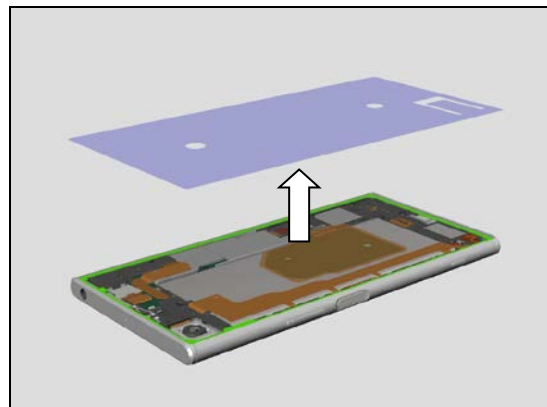
Take out the unit from the Rear Panel Adhesive Positioning Fixture.

Press the area of adhesive with fingers, and make sure that adhesive is affixed on the proper position.

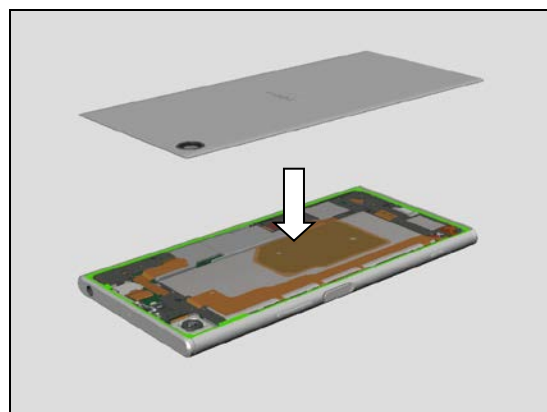


Reassembly

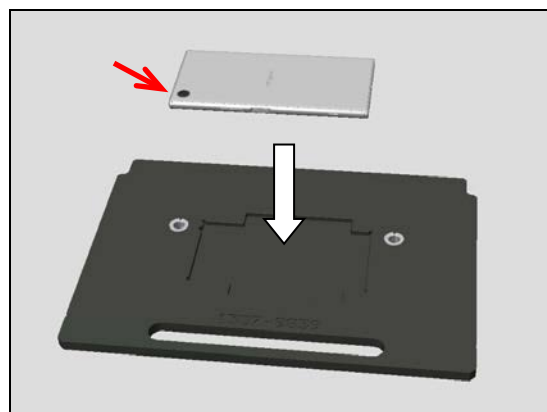
Remove the separator sheet, and make sure that adhesive is affixed on the correct position.



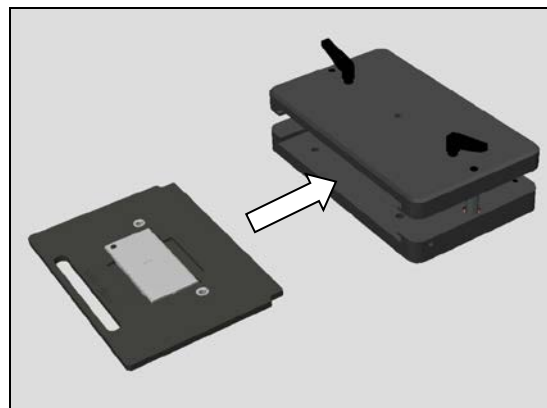
Place the Panel Rear Sub Assy on the unit, and make sure that Panel Rear Sub Assy is located on correct position. Press the Panel Rear Sub Assy with fingers.



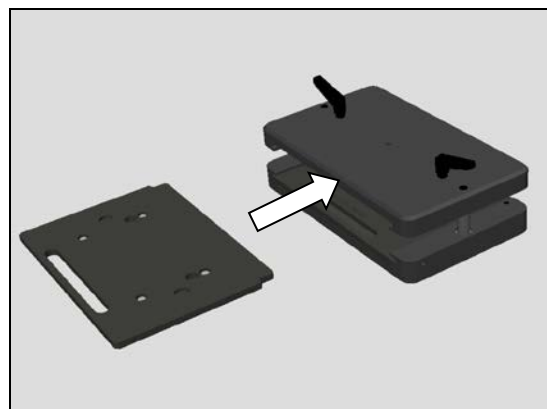
Place the unit on the Press Inlay Bottom. Rear side of the unit is up, and main camera (refer to red arrow) is located at left / bottom corner of the Press Inlay Bottom.



Insert the Press Inlay Bottom to the Generic Press Tool.



Inset the Press Inlay Top to the Generic Press Tool.



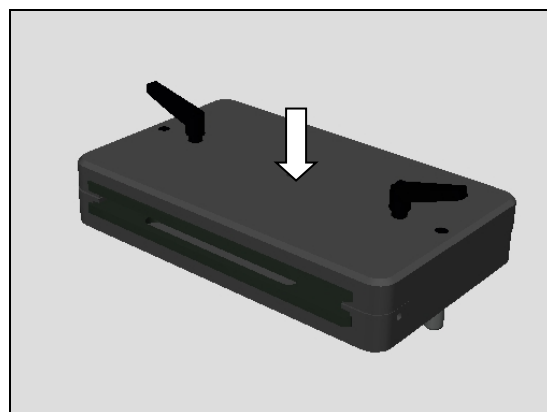
Press to affix the Panel Rear on the unit.

Two times pressing is required as below.

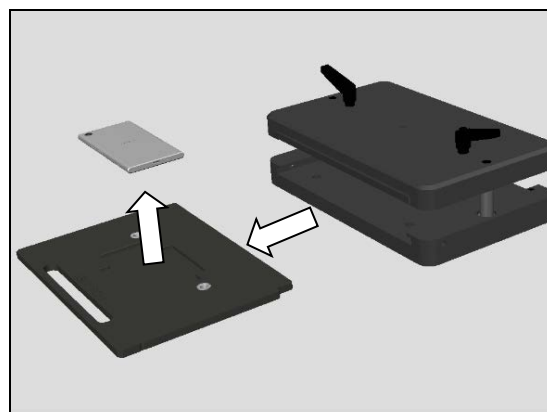
1st : 650N 20seconds

2nd : 500N 10 seconds

Follow the instruction in 1003-9107 Tool Catalogue – mechanical and document Toothed Rack Press Instruction for use.



Draw out the Press Inlay Bottom, and take out the unit.



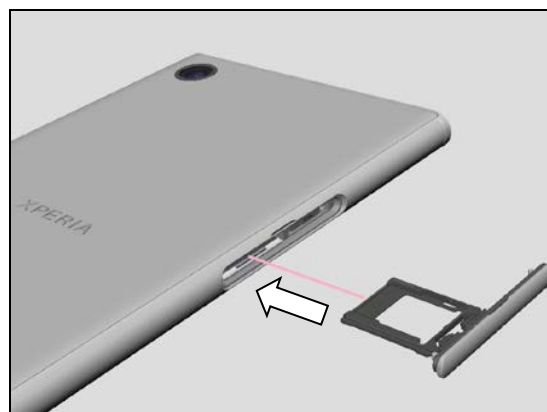
5.20 Tray Nano SIM

Insert the Tray Nano SIM



5.21 Cap Tray

Insert the Cap Tray.

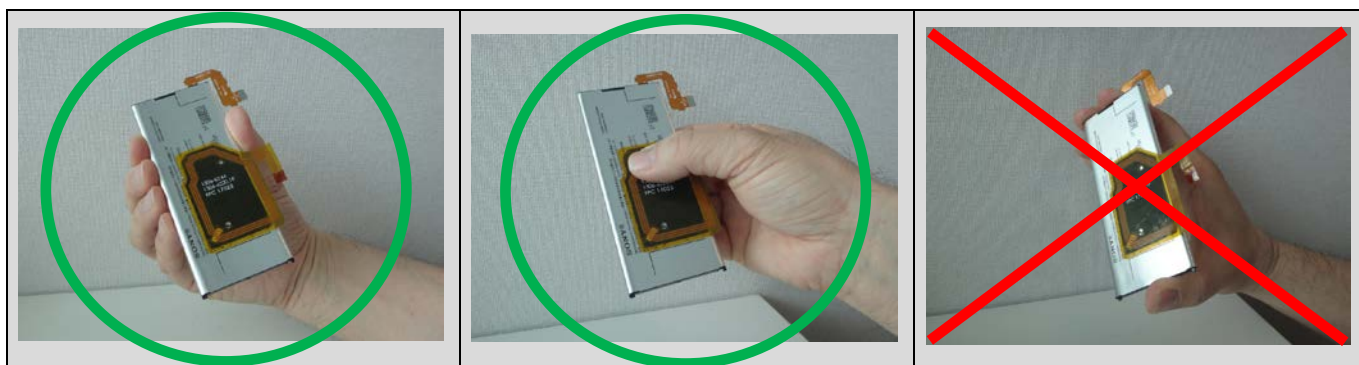


6 Battery Reuse Instruction

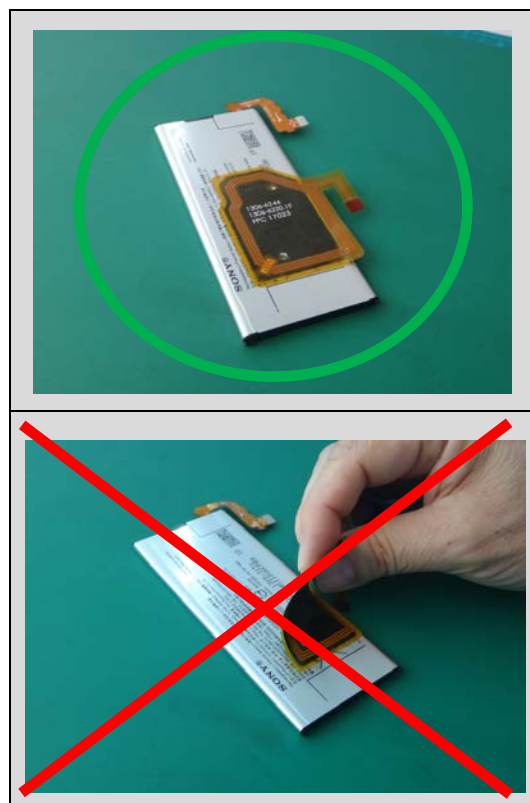
**If you intend to reuse the Battery, carefully follow the Battery Reuse Instruction.
If it is failed, Don't reuse, and Scrap the Battery.**

6.1 Battery Handling Notices

1. Don't damage the battery foil with sharp objects.
2. Don't twist or deform the battery.
3. If the battery is dropped, don't reuse, and scrap.
4. Hold the battery at the frame edges (left and right) of battery, or surface (front and back) as shown in below pictures.
Don't hold the Battery at top and bottom.



5. Don't remove the Ant NFC Flex from the Battery.
Once they have been disassembled, both Battery and Ant NFC Flex won't be able to be reused.



Battery Reuse Instruction

6.2 Dot Mark Check

Check if the Battery (which has been removed from the unit) has blue/red dots marking.

Do not reuse, if the Battery has two (2) red dots marking, and scrap it.

Blue dot indicates that Battery had been removed from the unit, and red dot indicates Battery had been reinstalled (reused).

Scrap! If the battery has two (2) red dots marking, it can't be reused for third times.

Can be reused



Can't be reused → Scrap



6.3 Dot Marking 1

Put the blue dot marking with permanent pen.

Blue dot means that battery had been removed from the unit.



Battery Reuse Instruction

6.4 Appearance Check of the Battery Surface

Check if any damages on the battery such as Winkle, Bubble, Dent, Floating up the AL sheet, Twist, and/ or Line.

If it is out of below specification, do not reuse, and scrap the battery.

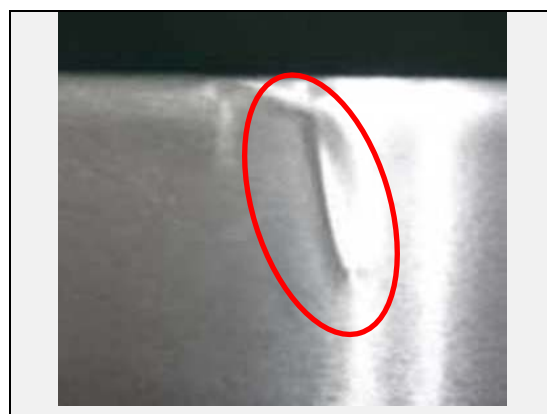
Item of Damage	Limit of size	Limit of quantity
Winkle	Length $\leq 5\text{mm}$	1 wrinkle per Al sheet
Mark	No mark is allowed.	
Bubble	Diameter $\leq \Phi 2\text{mm}$	3 bubble per Al sheet
Dent (*1)	Diameter $\leq \Phi 2\text{mm}$	3 dents per surface
Scratch	Scratch is allowed as far as printed characters are visible.	
Lift up Al Sheet	No lifting up of the Al sheet is allowed.	
Twist	Twist line is allowed.	
Line	No line is allowed.	
Glue contamination	No glue contamination is allowed on the bottom of battery.	

(*1)
This is applicable only for front and rear surface of the battery.
Refer to the 6.5 Dent specification for right and left side of the battery.

Definition of Damages and Sample Pictures

Wrinkle:

A slight line or fold on label or tape of the battery.



Mark:

Surface is bulged as lined by foreign material is located between Al sheet and battery cell housing.



Battery Reuse Instruction

Bubble:

Surface is bulged as pointed by foreign material is located between Al sheet and battery cell housing.



Dent:

It is caused that is stuck by sharp pointed objects.



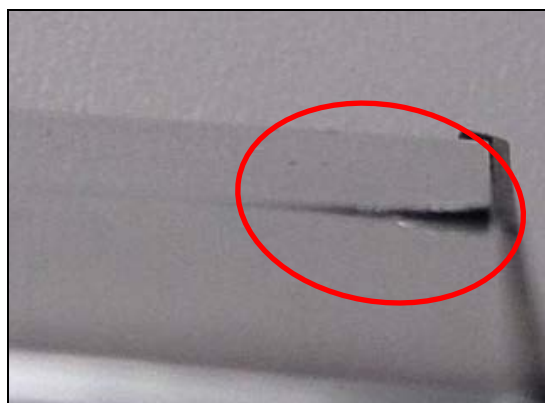
Scratch:

It is caused that scratched by sharp edge/pointed objects.



Lift up Al Sheet:

The edge of Al sheet is lifted caused by improper handling.



Battery Reuse Instruction

Twist:

Twisting line locates at the corner of battery pack that is created during Al sheet wrapping.



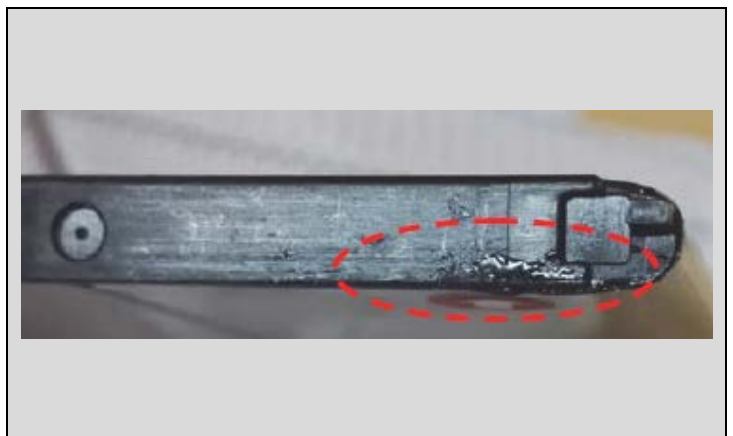
Line:

A slight line located at the border of battery cell and frame.



Glue Contamination:

No glue contamination is allowed in the bottom of battery.

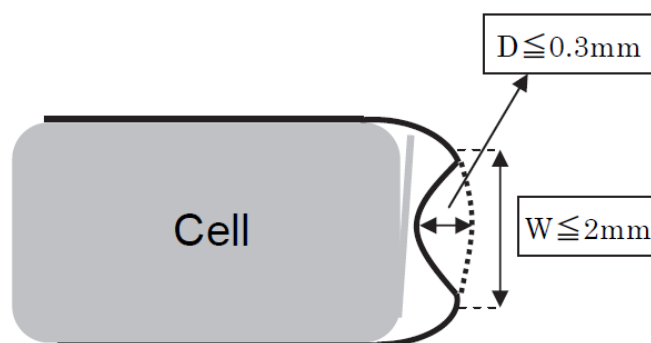
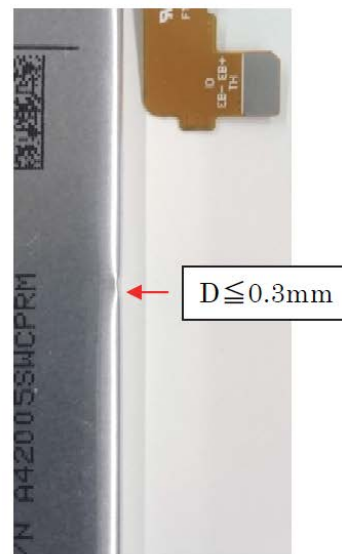
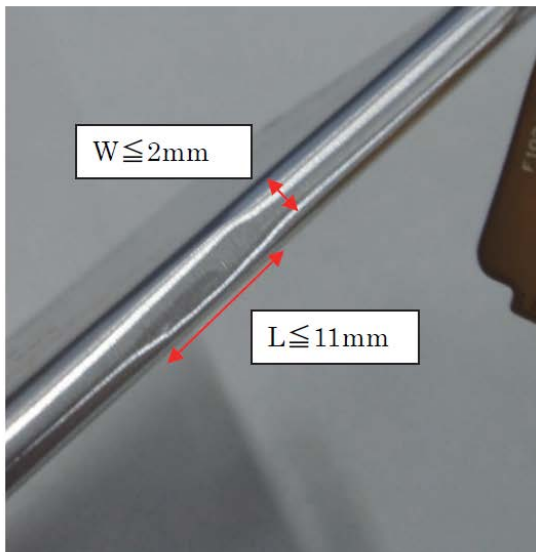


Battery Reuse Instruction

6.5 Dent check at right and left side of the Battery

6.5.1 Limitation of the dent size.

Check size of the Dent where is located at side of the battery.
If the dent size is less than below, it will be allowed.

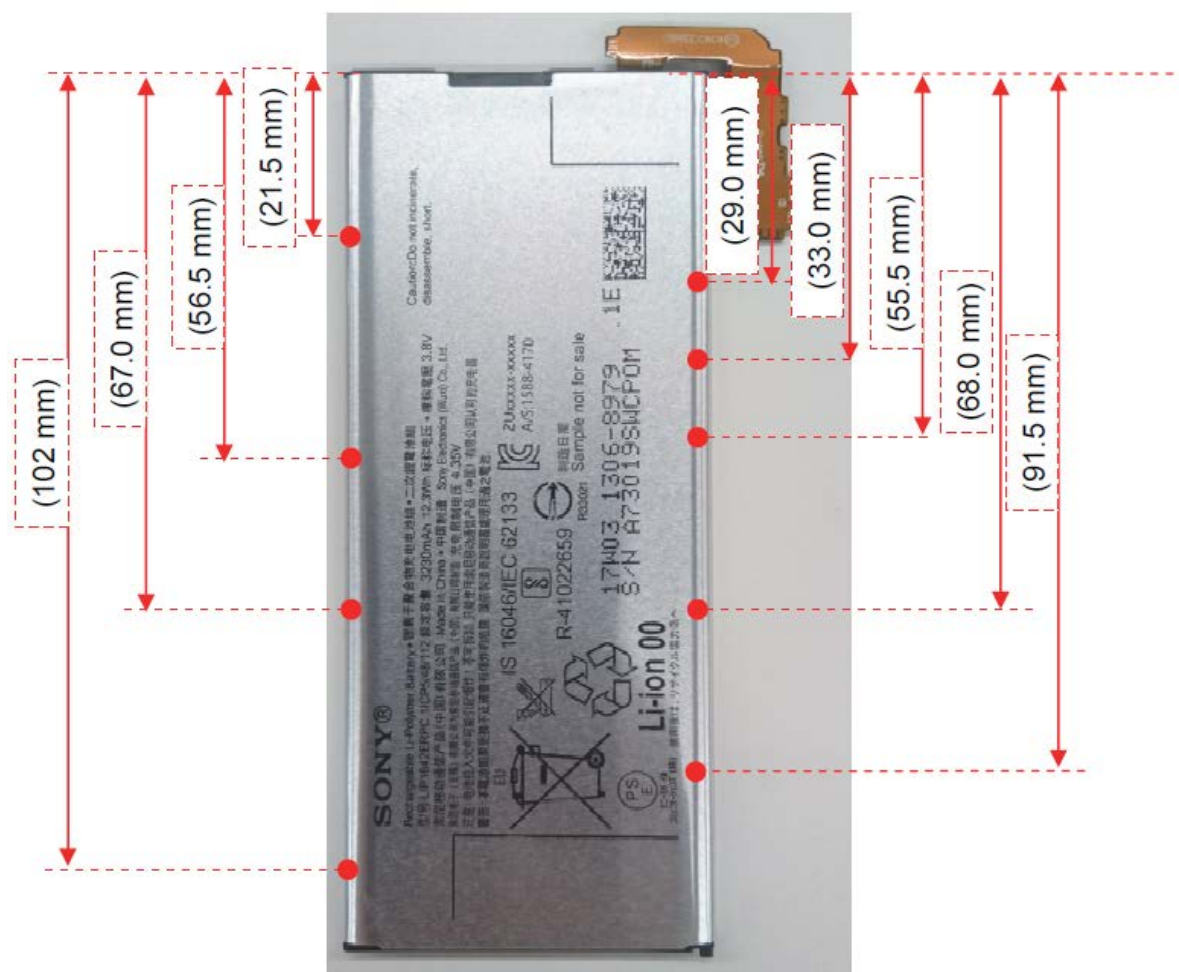


Battery Reuse Instruction

6.5.2 Limitation of the dent location

Check if dent is located at red dot marked position.

If the dent is located at red dot position, and quantity is less or equal than 5, it is allowed.



Battery Reuse Instruction

6.5.3 Criterion of the Dent

- Dent Size :
Length \leq 11mm / Width \leq 2mm / Depth \leq 0.3mm.
- Location of the Dent.
Dent must be located red dot marked position on 6.5.2.
- Quantity:
Less or equal than 5
- OK / Fail examples

Dent = Size is within criterion

Dent = Size is out of criterion

OK

Size of dent is within criterion, and located on the red marked position, and quantity is less than 5.



Fail

Even size of dent is within criterion, and located on the red marked position. But quantity is 6.



Fail

Size of dent is within criterion, and quantity is only 1. But, dent located not on the red dot portion.



Fail

Dent is located red dot position, and quantity is only 1. But, size of dent is out of criterion.

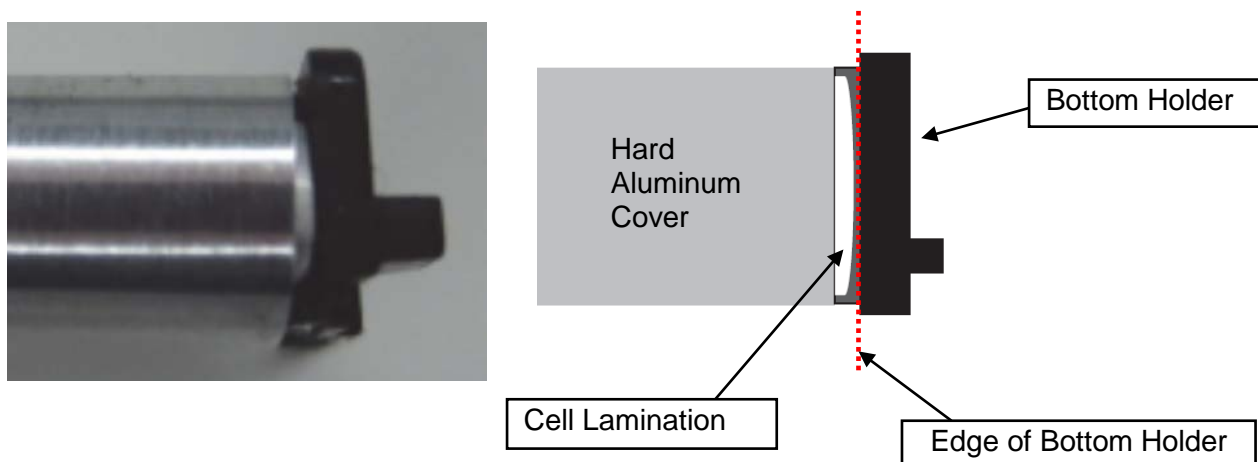


Battery Reuse Instruction

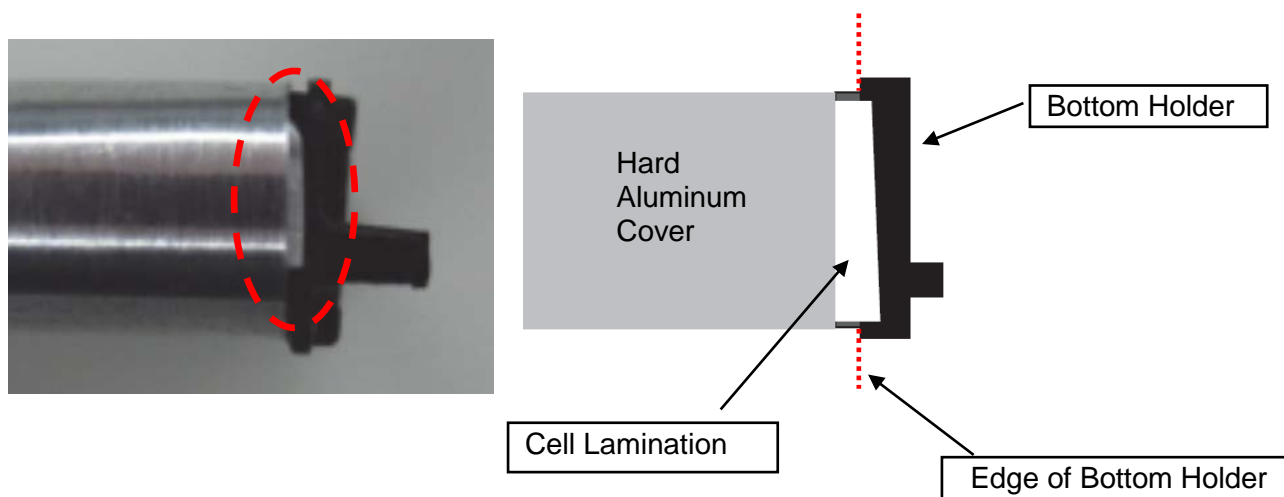
6.6 Battery Cell Exposure Check

Check if battery cell lamination is exposed, and if it is over on the bottom holder.

OK Even cell lamination is exposed, if it is covered by bottom holder, it is acceptable.



Fail Cell lamination is exposed, and it is over the bottom holder.



6.7 Inner Tape Check

Check if inner tape is exposed, and if it is over the plastic holder.

The following is failure sample picture that inner tape is over the plastic holder.



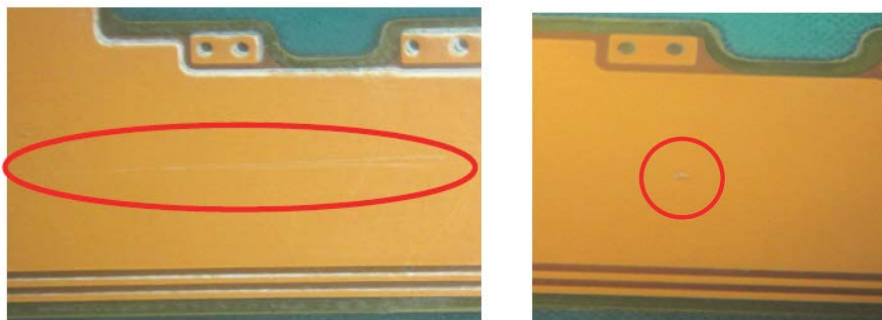
6.8 Appearance Check of the FPC

6.8.1 Foreign Material

Check if any foreign material on the FPC.
If the foreign material will be removed by air blow, it is ok.

6.8.2 Scratch

Check if scratch on the FPC.
If the length is less than 1.5 mm, it is acceptable.
But, if copper trace is exposed even length is less than 1.5mm, it is fail.
Failed sample picture is as below.

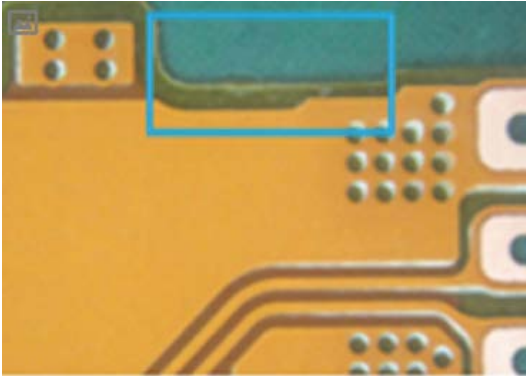


Battery Reuse Instruction

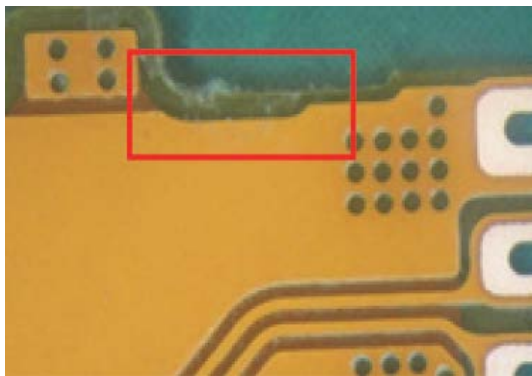
6.8.3 Adhesive Sticking Out.

Check if adhesive is sticking out.
(0.3mm or less is acceptable)

OK

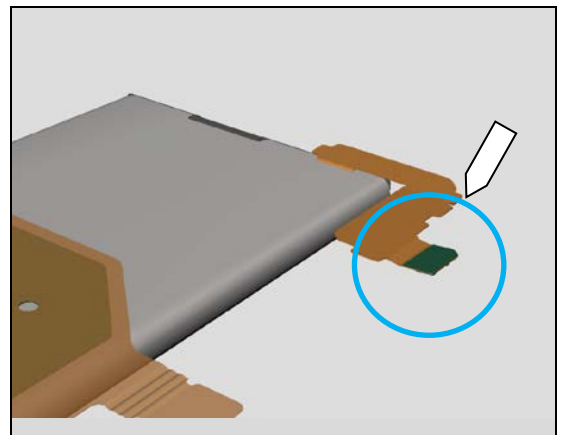


Fail



6.9 BtB Connector Check

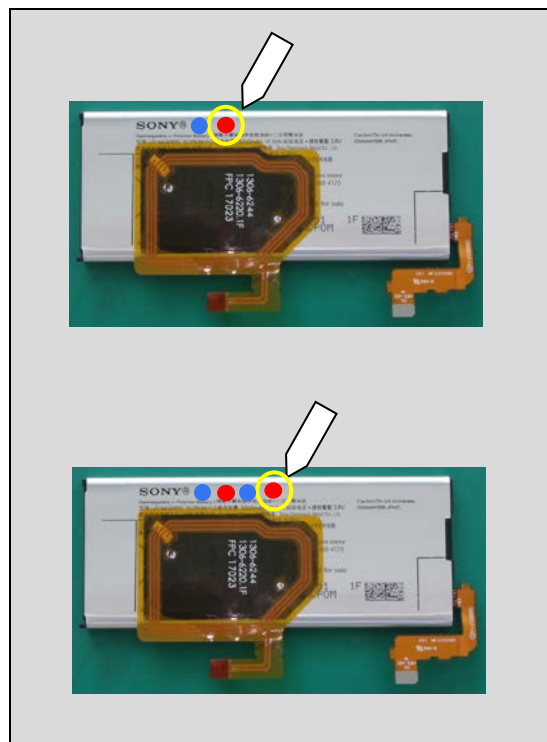
Check if BtB connector has damages.
If any damages on the BtB connector, do not reuse, and scrap the battery.



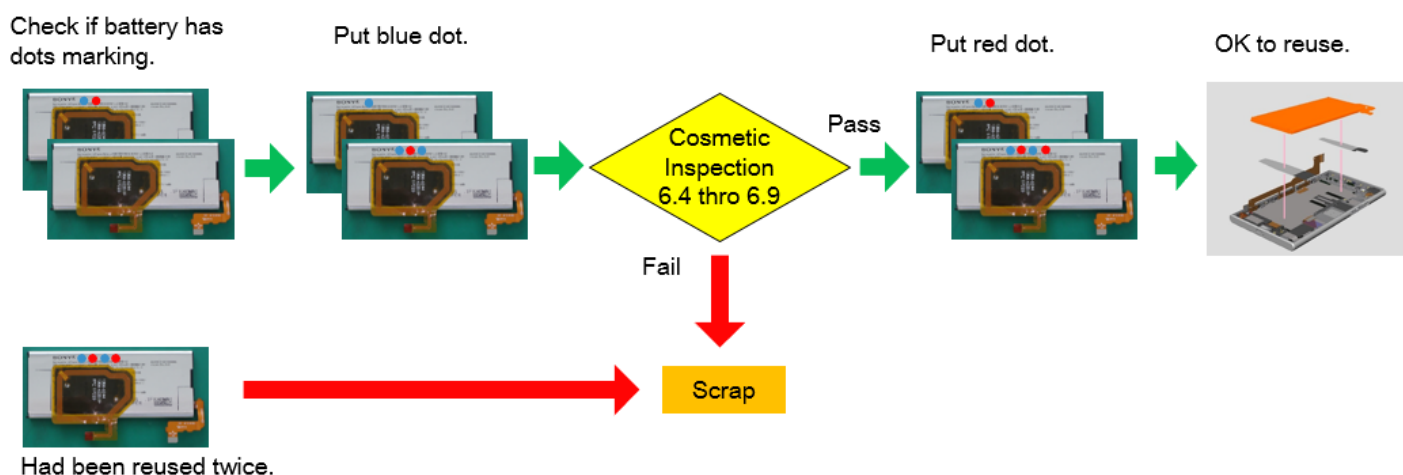
Battery Reuse Instruction

6.10 Dot Marking 2

If no failure has been detected by above appearance check, put the red dot marking on the Battery with permanent pen for reinstalling (reuse).



Overall procedure for Battery Reusing



7 Revision History

Rev.	Date	Changes / Comments
1	2017-May-12	Initial release
2	2017-May-23	Add installing location of Cushion Battery A and B
3	2017-Jun-01	Updated shape of Adhesive Key FPC Battery A and B (page 61)
4	2017-Jul-12	Updated 4.3, 4.4, 4.5, 4.7, 4.8, 4.9, 4.10, 4.11, 5.3, 5.9, 5.10, and 5.16.
5	2017-Jul-28	Introduced the Speaker Box Connector Tool for disconnecting/connecting of bottom speaker cable connector. Updated 4.11, 5.11.
6	2017-Oct-13	Updated Mandatory Replacement Parts List (Red color parts are added). Updated thermal gap filler expiration date defining.