

Working Instructions

- mechanical –



Xperia™ XZ2

H8216, H8276, H8266, H8296

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For general information about mechanical repair related issues, refer to 000154064.34: 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.

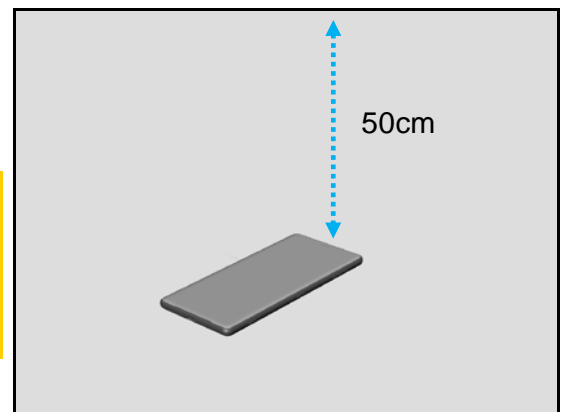
It is posted under the RE4251: Repair - Mechanical - Tools and Equipment (including Repair Software).

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.

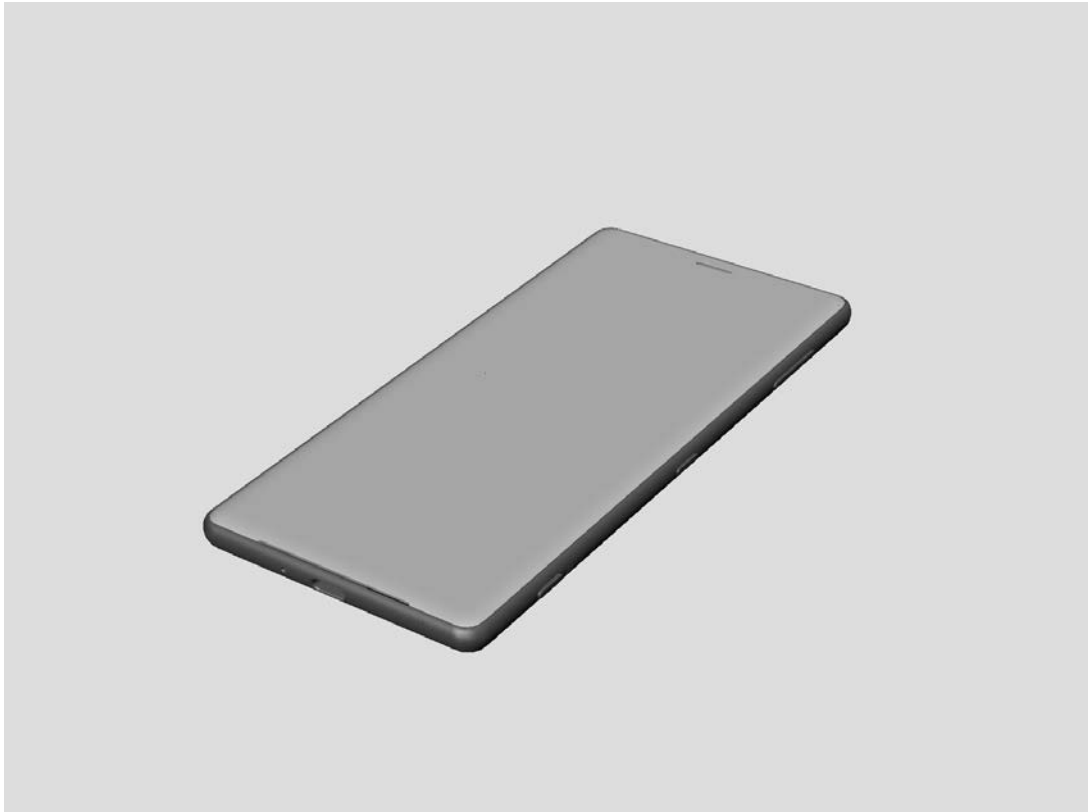
Aged Battery Reset in EMMA must be performed when Battery is replaced (installed brand new Battery) in order to delete battery log data.

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

1.1 H8216, H8276, H8266, H8296

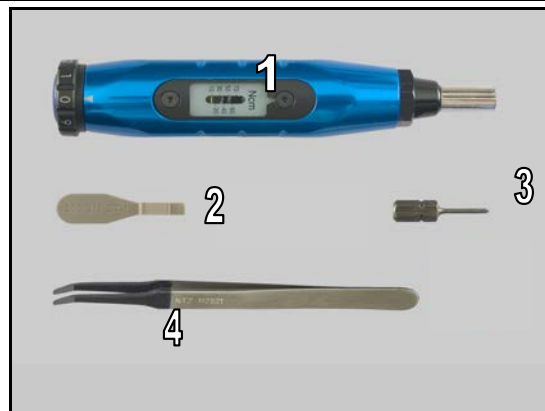


2 Tools

2.1 Special Tools

Special Tools

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



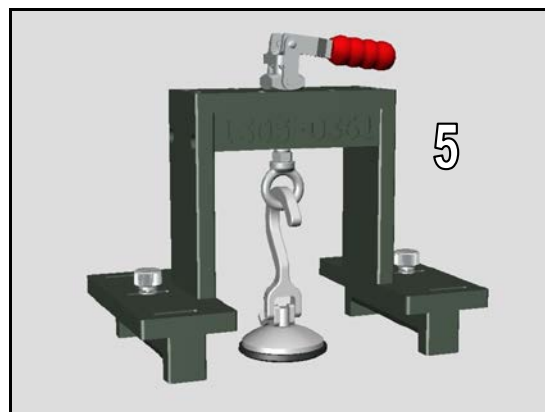
5. Panel Disassembly Tool (1305-0361)

The Vacuum Cup for Tool (1305-7901) is supplied with Panel Disassembly Tool.

However, it won't be used for this model, and the Vacuum Cup for Tool (L) (1313-3658) is required instead.

And, it requires simple modification to use the Adapter for Panel Disassembly Tool (1313-3657).

Refer to the "2.1.3 Tool Modification" for detail.



6. Vacuum Cup for Tool (L) (1313-3658)

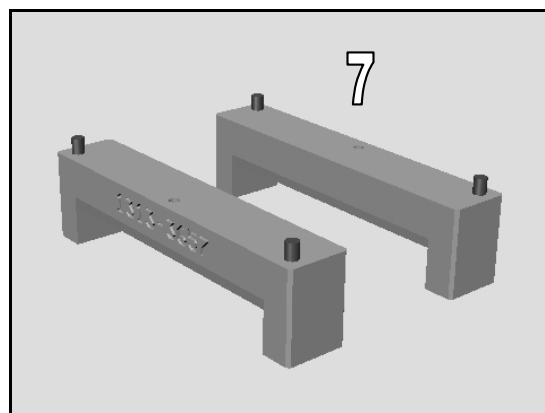
Using with Panel Disassembly Tool (1305-0361) for removing the LCD.



7. Adapter for Panel Disassembly Tool (1313-3657)
(2 pieces will be supplied by one order.)

Need to install in the Panel Disassembly Tool (1305-0361) for removing the LCD.

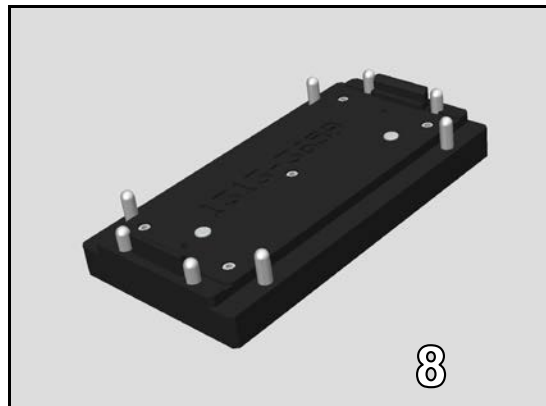
Refer to the "2.1.3 Tool Modification" for detail.



Tools

8. Positioning Tool for Adhesive WR Display (1313-3659)

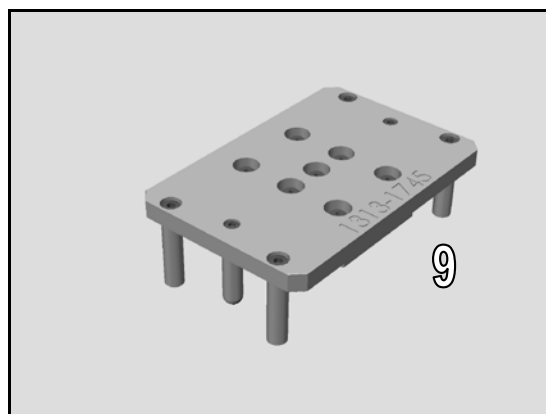
For positioning the Adhesive WR Display on the unit.



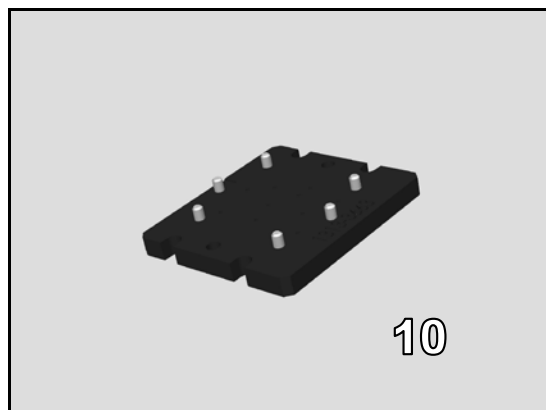
9. Press Battery Inlay(1313-1745)

Press Battery Inlay (1313-1745), and Battery Press Tool Bottom (1313-3663) are used together for fixing the Battery on the Plate Display Sub Assy.

Set the Plate Battery Sub Assy assembled with Battery on the Battery Press Tool Bottom, and cover by Press Battery Inlay. Place it on Generic Wheel Press Tool (1311-1952) or old type of press tool for pressing.



10. Battery Press Tool Bottom(1313-3663)



11. Press Tool for Bending Camera FPC(1313-5945)

For bending the FPC of the FICTIVE Main Camera.



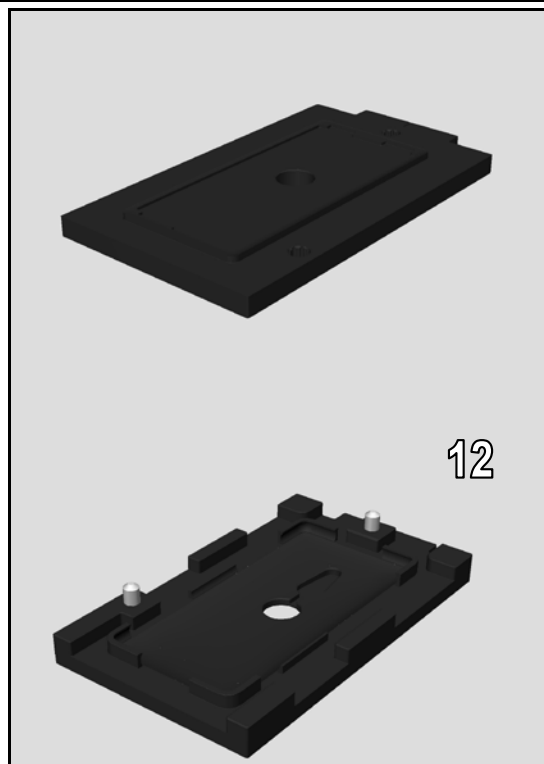
Tools

12. Press Rubber Inlay (1313-3656) (Include both Top and Bottom.)

For fixing the LCD on the unit.

Set the unit on the Press Rubber Inlay Bottom, and cover by Press Rubber Inlay Top. Place it on Generic Wheel Press Tool (1311-1952) or old type of press tool for pressing.

Refer to the 2.1.2 Optional Tools for Pressing.



13. WRT Fixture (1313-3665) (Including Vacuum Cup for Tool (L) 1313-3658) *For waterproof testing.*



14. Suction Pad for WRT Fixture (1313-3667)

Maintenance part of WRT Fixture (1313-2665).

The Suction Pad for WRT Fixture is consumable part, and it shall be worn out by ageing.

Can replace only this part in case of worn out.

Not! To replace the Suction Pad for WRT Fixture, 3mm hex wrench is required.



Tools

15. Generic Wheel Press Tool (1311-1952)

Using with Press Rubber Inlay (1313-1745) for fixing the LCD on the unit.

Also, using with Press Battery Inlay (1313-1745) and Battery Press Tool Bottom (1313-6401) for fixing the Battery on the Plate Display Sub Assy.

Note! Old type of press tool can be utilized for pressing instead of this tool.

Refer to the 2.1.2 Optional Tools for Pressing.



16. Repair Cradle (1312-6065)

For stabilizing the unit during repairing.

Note! Rear side of this model is rounded, caused of it, the unit would not be placed on the working bench with stable.

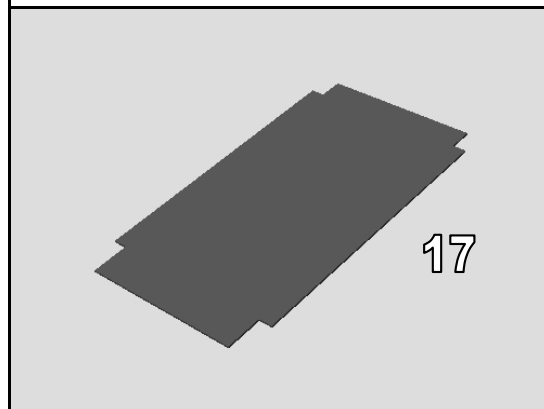
In order to keep stabilizing position, and avoid the scratch on the unit during repairing, this tool is effective..

This tool is not mandatory required, but use accordingly.



17. Disassembly Sheet (1295-5578)

For removing the LCD.



Tools

18. Media Cable TyepC Cable (Black) (1302-1935)



19. Wireless Charging Dock (1312-9940)

For testing wireless charging function.



20. Audio USB Conversion Cable (1310-9805)

Since this model doesn't have audio jack, and this conversion cable is required for analog audio test. Connect the Audio USB Conversion Cable between headset and unit (USB connector) for testing analog audio output through USB connector.

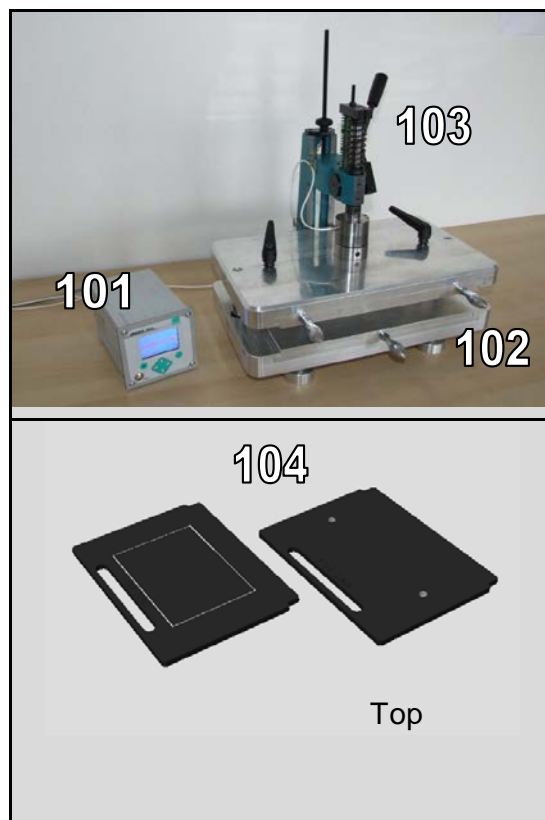


Tools

2.1.2 Optional Tools for Pressing




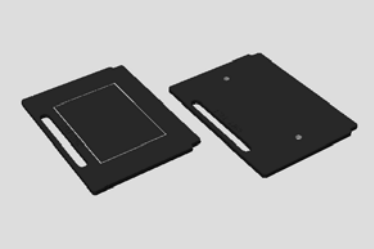
The tools for pressing (fixing the LCD on the unit), the following tools can be utilized instead of item 16 Generic Wheel Press Tool (1311-1952).

- 101. Load cell measurement kit (1274-3895)
- 102. Generic Fixture for Presstool (1273-4413)
- 103. Toothed Rack Press (1281-2676)



- 104. Inlay Adapter (1311-2202)
(Include both Top and Bottom.)

Requiring Tools matrix for Pressing (fixing the LCD on the unit)

Press Tool	Press Rubber Inlay	Inlay Adapter
Generic Wheel Press Tool  1311-1952	 1313-3656	No Required
Former Press Tools 		 1311-2202

Tools

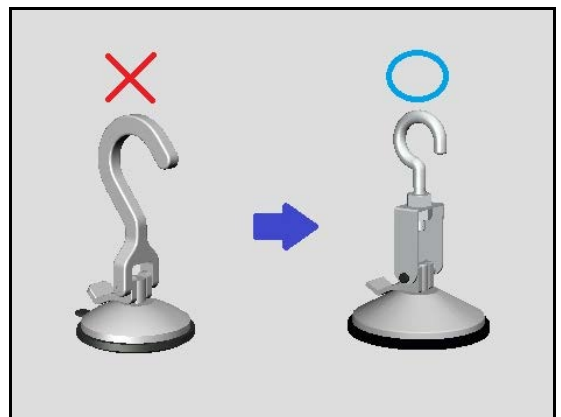
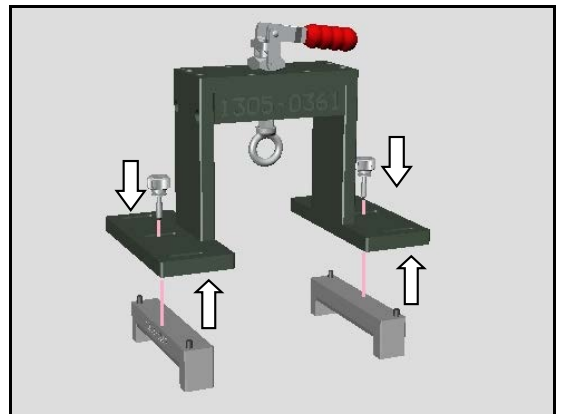
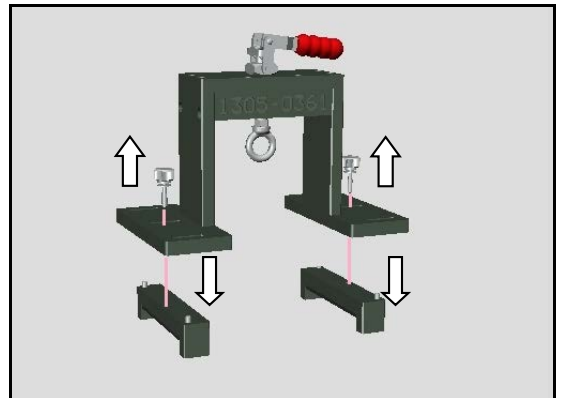
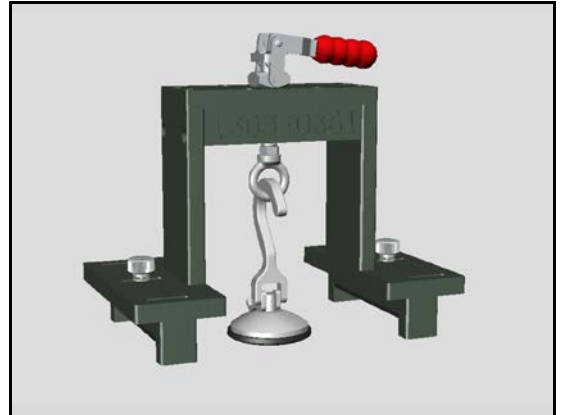
Tool Modification

In order to use the Panel Disassembly Tool (1305-0361) for LCD removing of this model, simple modification is required. Follow below instruction for modification.

Loosen the screws, and remove the feet of Panel Disassembly Tool.

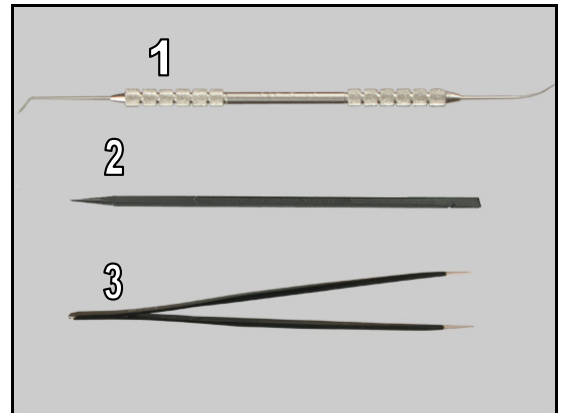
Install the Adapter for Panel Disassembly Tool (1313-3657), and tighten the screws.

The Vacuum Cup for Tool (1305-7901) is supplied with Panel Disassembly Tool. However, it won't be used for this model. Use the Vacuum Cup for Tool (L) (1313-3658) instead.

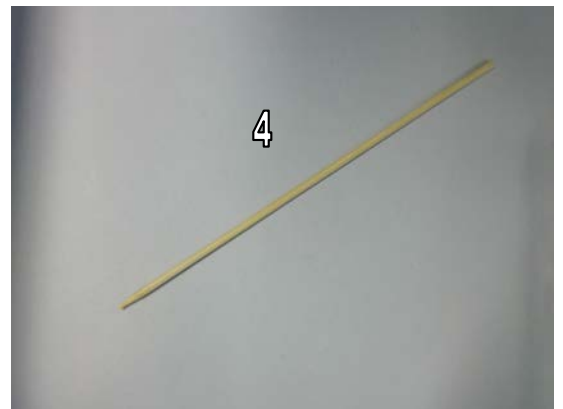


2.2 Standard tools

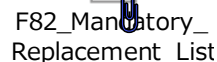
1. Dentist Hook
2. Nylon Pointer
3. Tweezers



4. Bamboo Skewer



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



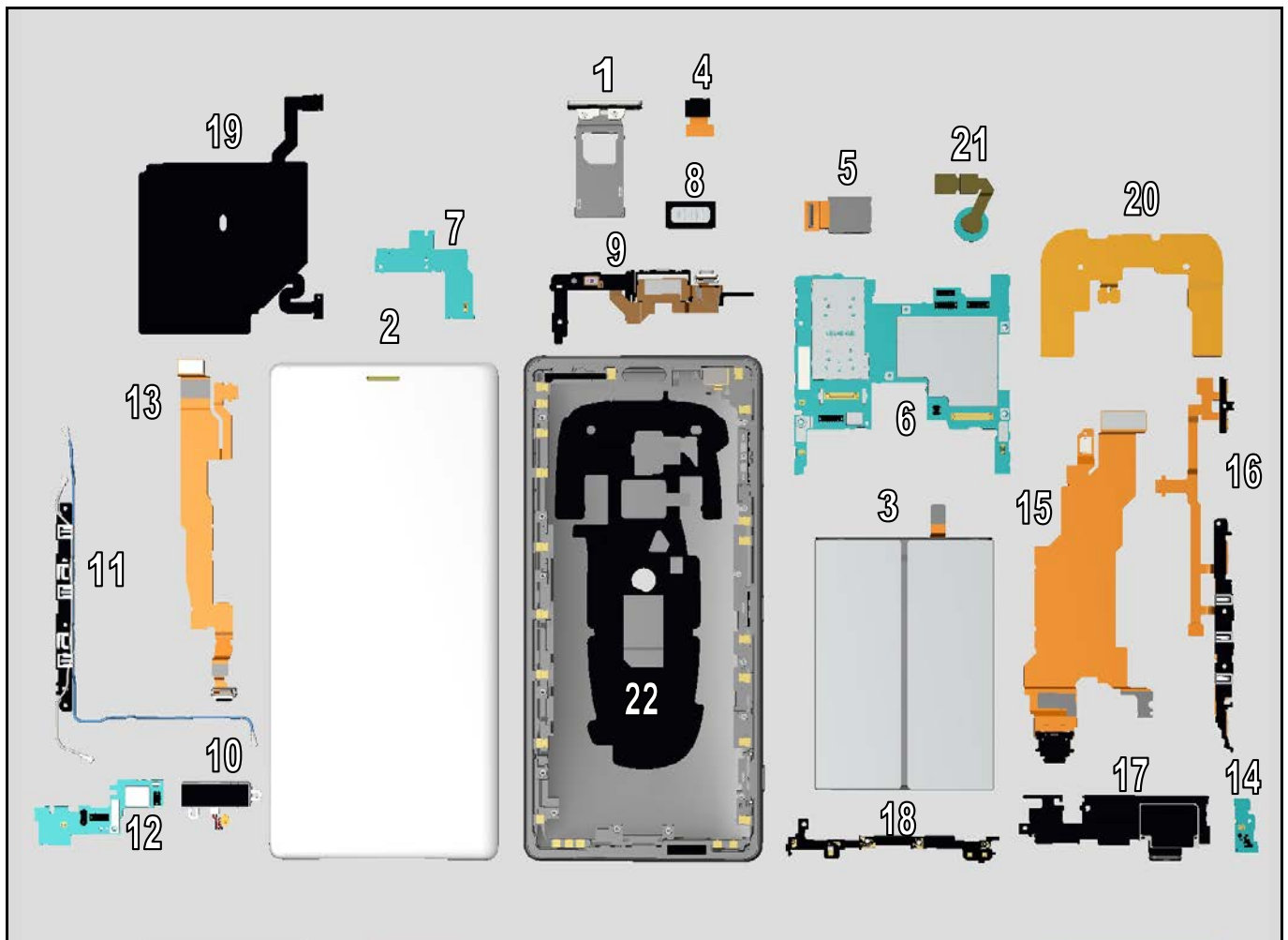
Mandatory replacement parts for refurbishment.

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

4 Disassembly

The disassembly is done in the following order:

1. Cap Combo
2. Display
3. Battery
4. Sub Camera
5. Main Camera
6. Main PBA
7. Sub PBA
8. Top Spk
9. FPC Top(Mic 2)
10. Vibrator LRA
11. Holder Ant Gnd
12. PBA ANT 1
13. FPC Relay(Mic1)
14. PBA ANT 2
15. FPC USB
16. FPC Key
17. Bottom Spk Box
18. Holder Ant Main
19. WLC
20. NFC
21. FP Sensor
22. Cover Main



Disassembly

Disassembly Quick Reference Chart is embedded.

Required disassembly procedures of specific part removing can be identified by Disassembly Quick Reference Chart.

Red color boxes are assembled part. Others are target part.

Double click.



Akari Quick Ref
Disassy_initial.pdf

Required Disassembly Steps by Part

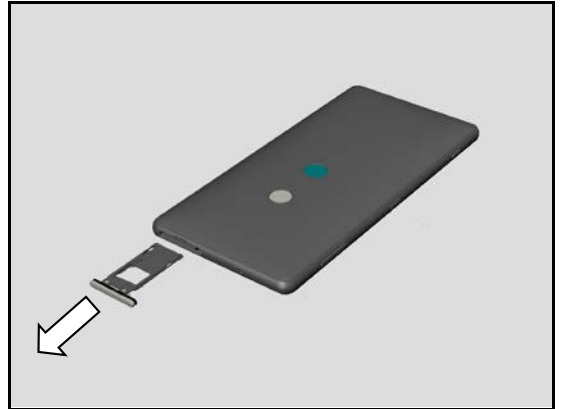
Target Removing Part	Required Disassembly Steps																					
1 Cap Combo	1																					
2 Display	1	2																				
3 Battery	1	2	3																			
4 Sub Camera	1	2	3	4																		
5 Main Camera	1	2	3	4	5																	
6 Main PBA	1	2	3	4	5	6																
7 Sub PBA	1	2	3	4	5	6	7															
8 Top Spk	1	2	3	4	5		8															
9 FPC Top(Mic 2)	1	2	3	4	5		8	9														
10 Vibrator LRA	1	2	3						10													
11 Holder Ant Gnd	1	2	3						10	11												
12 PBA ANT 1	1	2	3						10	11	12											
13 FPC Relay(Mic1)	1	2	3						10	11	12	13										
14 PBA ANT 2	1	2	3						10	11			14									
15 FPC USB	1	2	3	4	5				10	11	12		14	15								
16 FPC Key	1	2	3	4	5				10	11	12		14	15	16							
17 Bottom Spk Box	1	2	3	4	5				10	11	12	13	14	15	17							
18 Holder Ant Main	1	2	3	4	5					11	12	13	14	15	17	18						
19 WLC	1	2	3	4	5					11	12	13	14	15	16		19					
20 NFC	1	2	3	4	5		8			11	12	13	14	15	16		19	20				
21 FP Sensor	1	2	3	4	5					11	12	13	14	15	16		19	21				
22 Cover Main	1	2	3	4	5		8		10	11	12	13	14	15	16	17	18	19	20	21	22	



4.1 Cap Combo

Remove the Cap Combo Sub Assy.

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



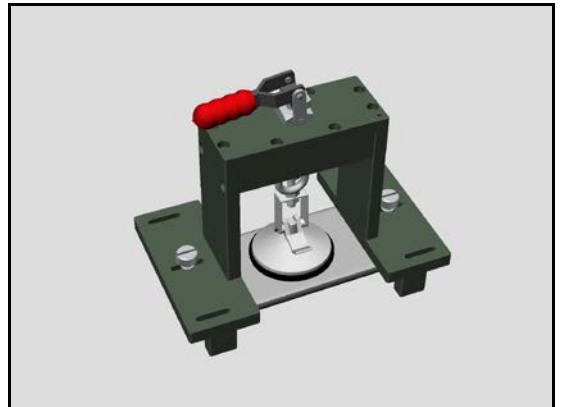
4.2 Display

Place the Vacuum Cup for tool on the Display Assy.

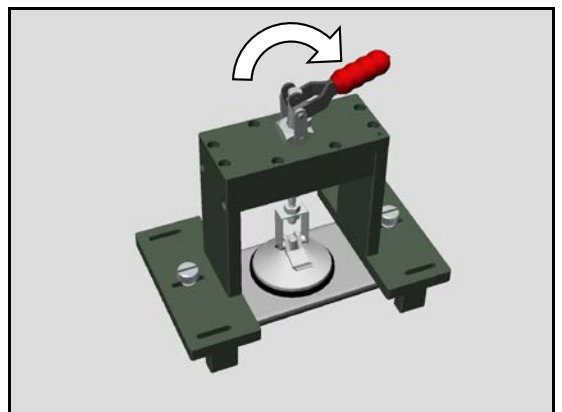
Note! Place the Vacuum Cup the center on the Display Assy.



Hung the Vacuum Cup for tool on the Panel Disassembly Tool.

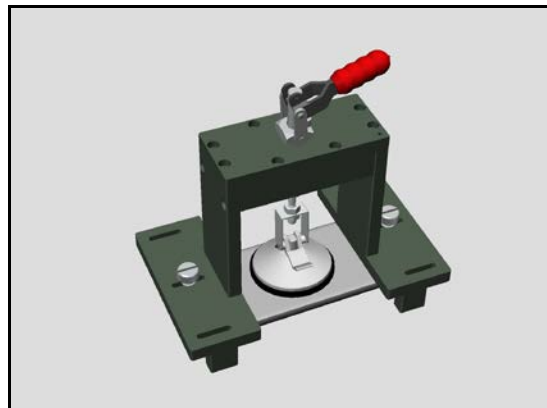


Turn the lever to pull up the display.

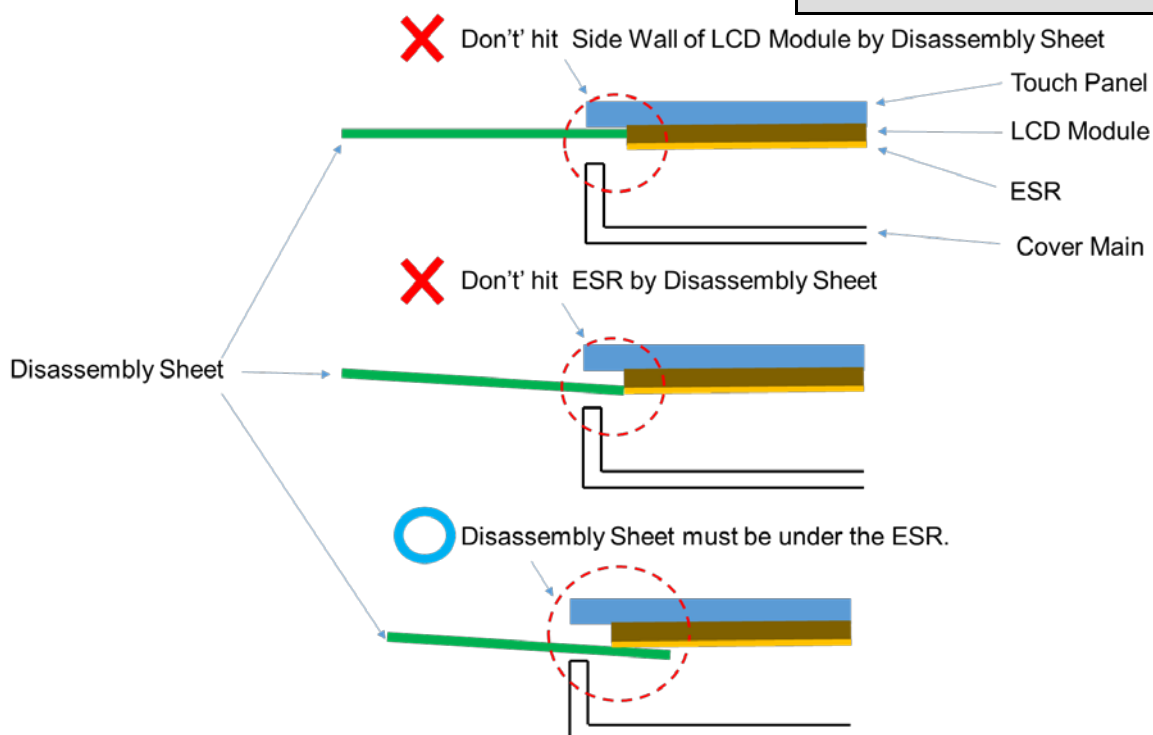
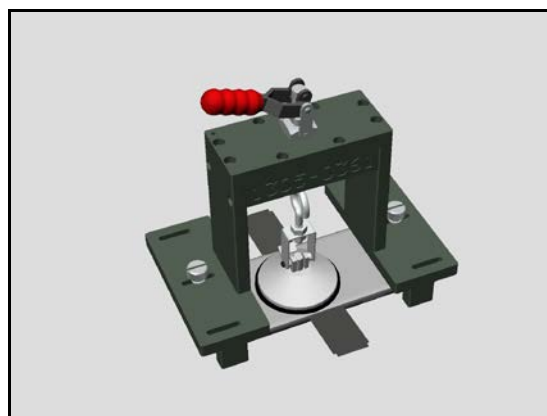


Disassembly

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

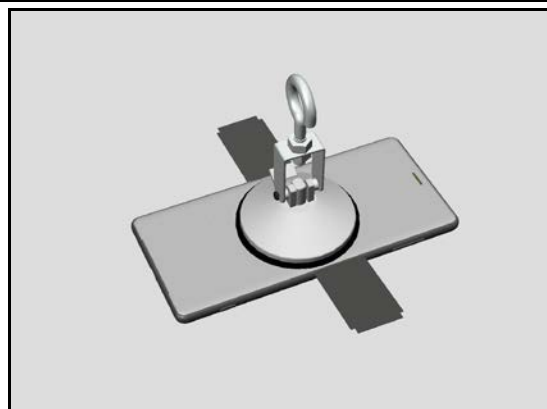


Insert the Disassembly Sheet into the gap between Display and unit both side.

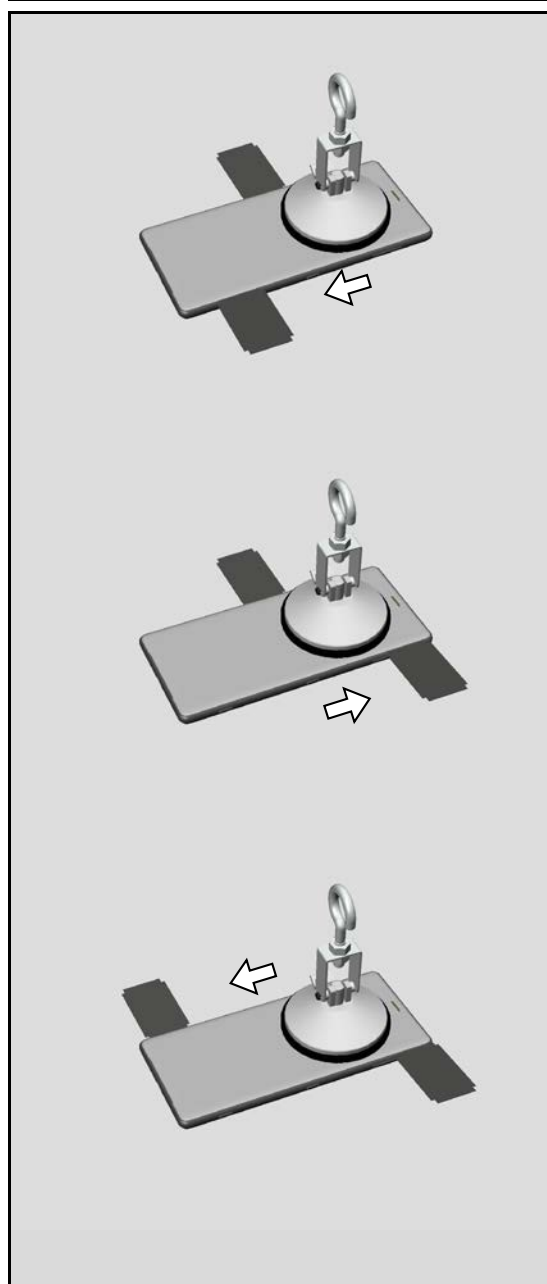


Disassembly

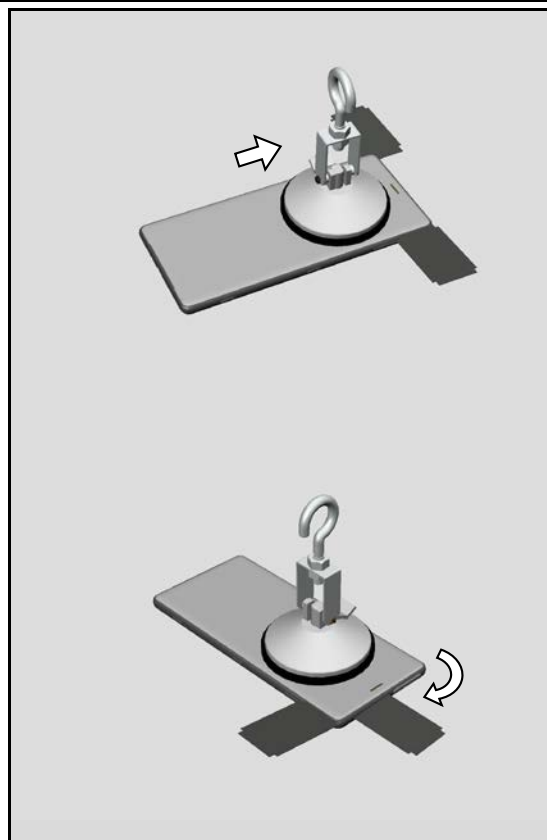
Remove the unit from the Panel Disassembly Tool.
Slide the Disassembly Sheet to cut the Adhesive WR
Display.



Slide the Disassembly Sheet to cut the Adhesive WR
Display as shown.



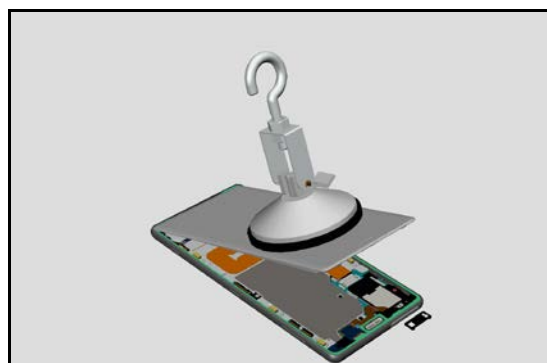
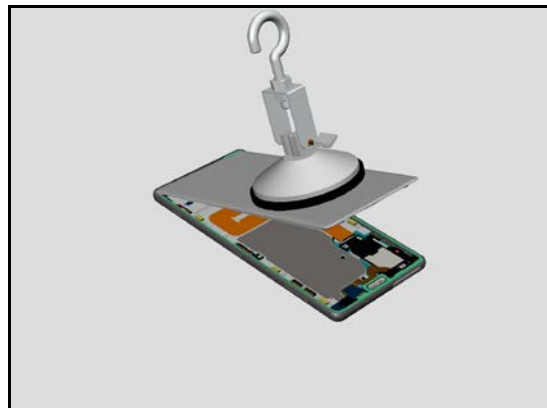
Slide the Disassembly Sheet to cut the Adhesive WR Display as shown.



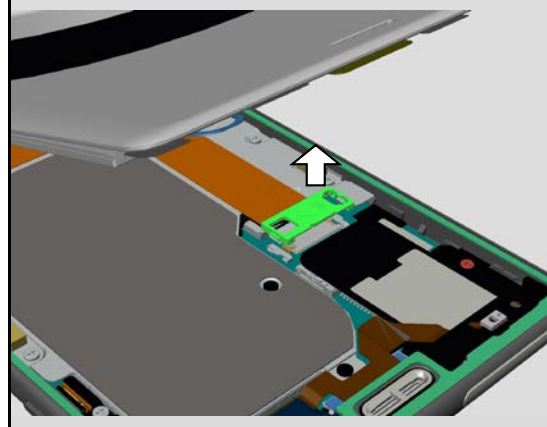
Disassembly

Remove the Display Assy from top side.

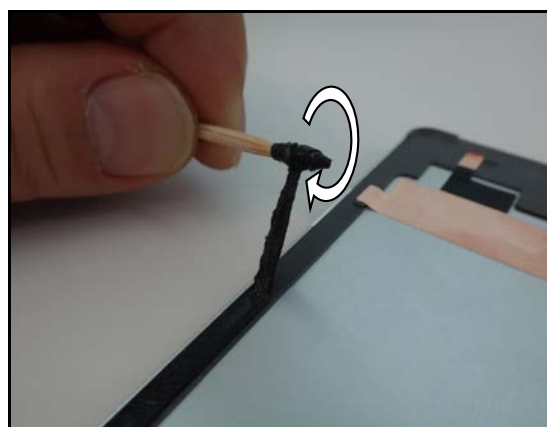
Note! If you remove the Display Assy from bottom side, the Display FPC may have damage during disassembling.



Remove the Holder LCD BtB.



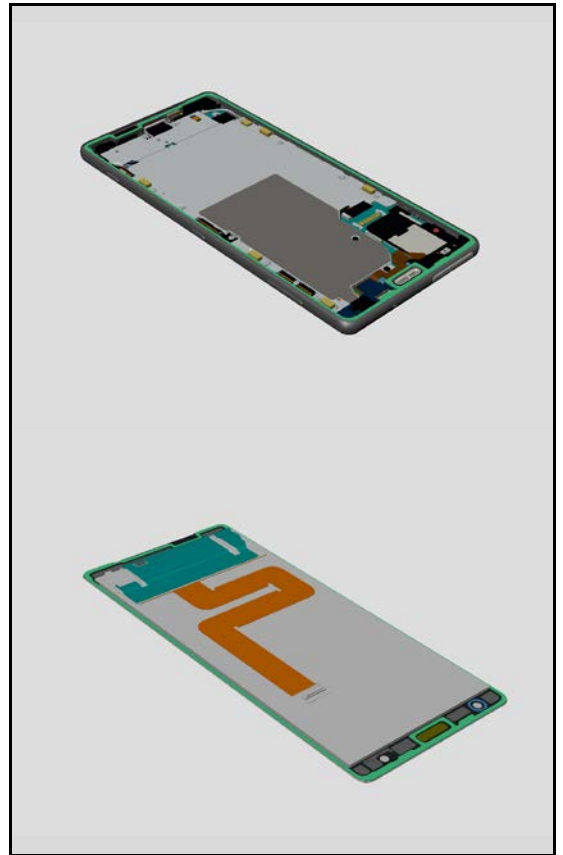
Remove the Adhesive WR Display to use Bamboo Skewer. Rotate the Bamboo Skewer to take up the Adhesive WR Display.



Disassembly

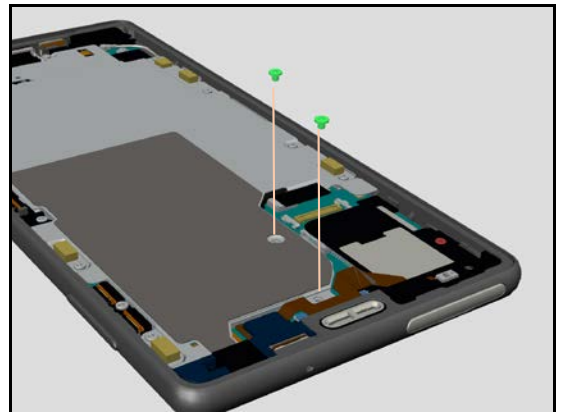
Note! Make sure to remove all residues of the Adhesive WR Display completely from both Display Assy and unit (Green Highlighted Area).

Don't use Isopropyl Alcohol for cleaning.



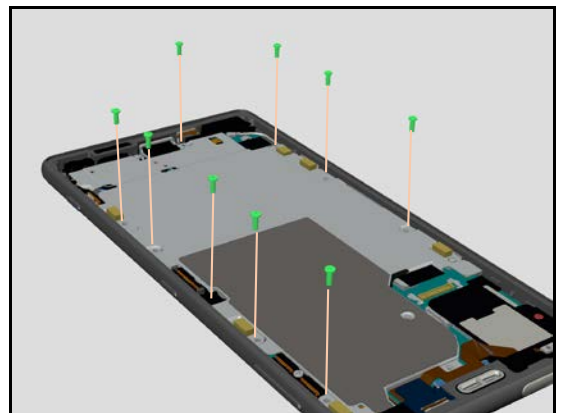
Remove the Screw M1.2*1.2.

Scrap! Don't reuse the screws!



Remove the Screw M1.2x3.3.

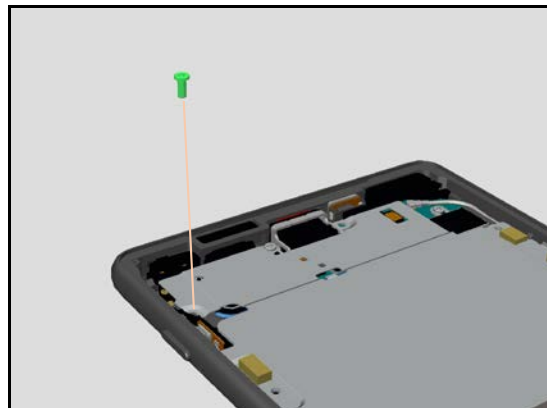
Scrap! Don't reuse the screws!



Disassembly

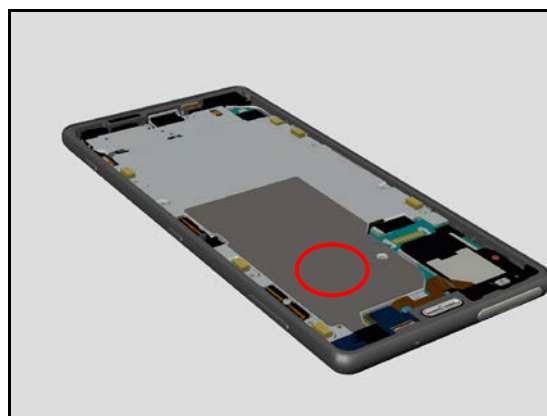
Remove the Screw M1.2*2.9.

Scrap! Don't reuse the screws!

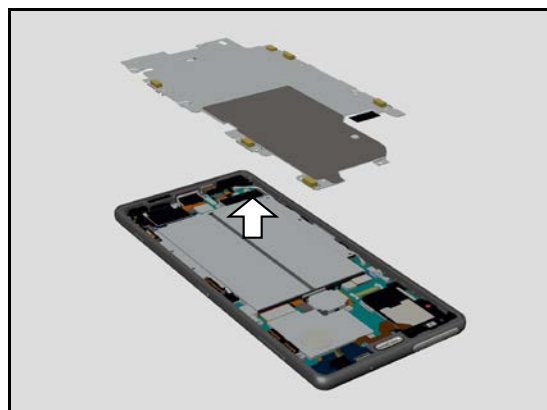


Under the Plate Display AI Sub assy the TGF is located red marked position. Peel off around this red marked position.

Note! Don't deform The Plate Display AI Sub assy.



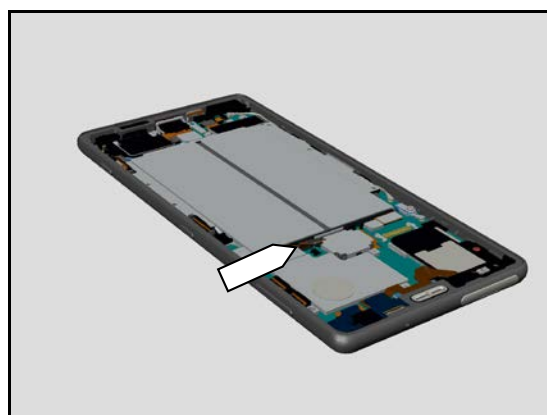
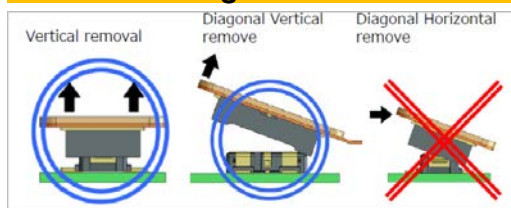
Remove the Plate Display AI Sub assy.



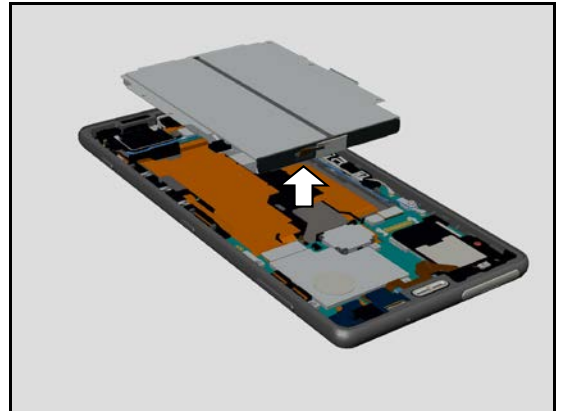
4.3 Battery

Disconnect the Battery B to B connector.

Note! Don't Diagonal Horizontal remove as shown.

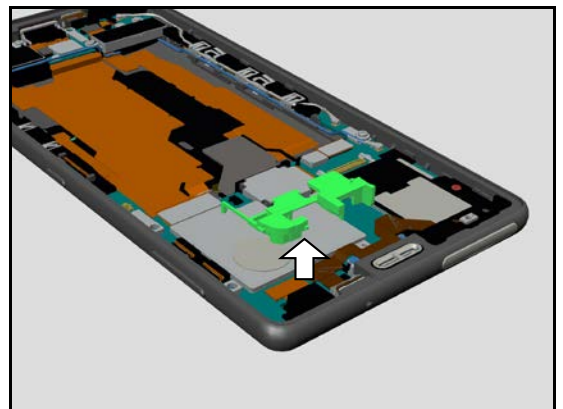


Remove the Battery assy.

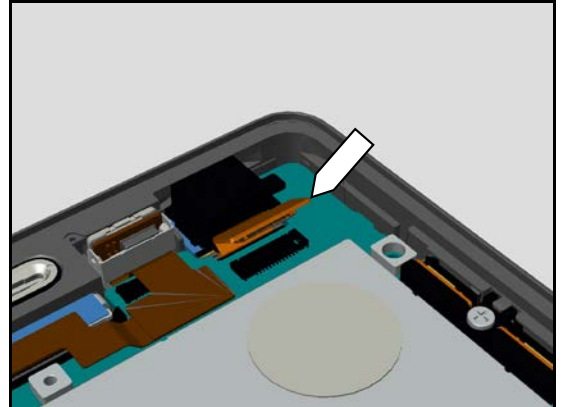


4.4 Sub Camera

Remove the Holder Top.



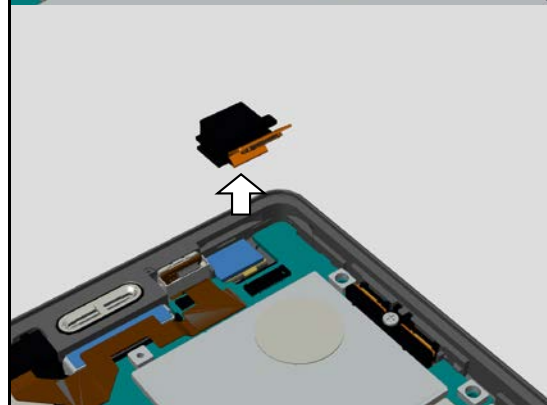
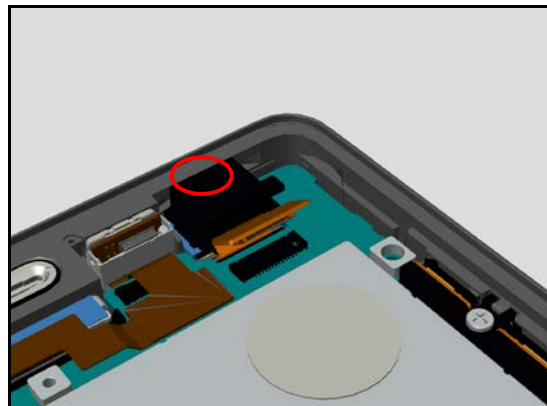
Disconnect the Sub Cam B to B connector.



Disassembly

Remove the Sub Camera assy.

Note! Hook is located red marked position. Don't touch the lens area of the Sub Camera, to avoid the damage, and keep no dust on the lens.

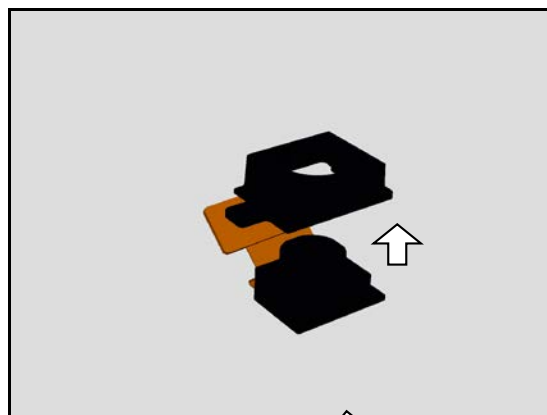


Remove the Holder Sub Cam.

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

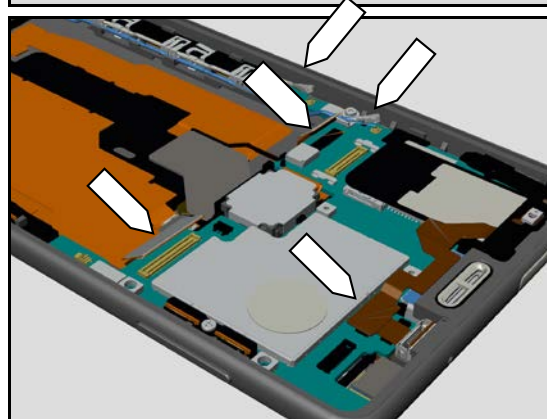
Grab the side wall.

If you intend to reuse the Sub Camera, no need to remove the Holder Sub Cam.



4.5 Main Camera

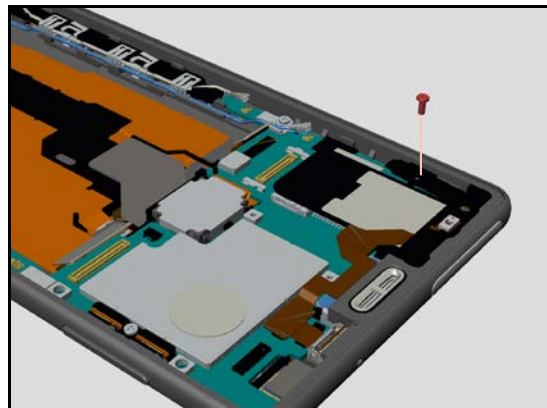
Disconnect the B to B and RF connector as shown.



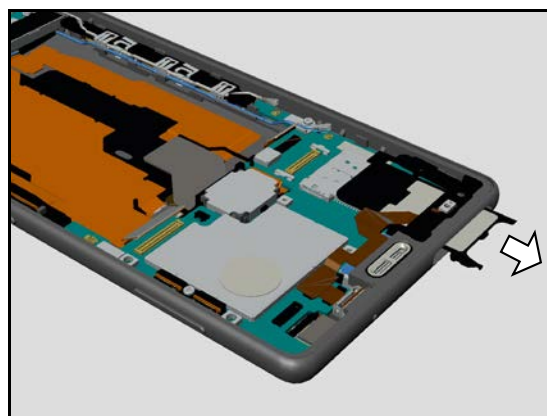
Disassembly

Remove the Screw M1.2*2.9.

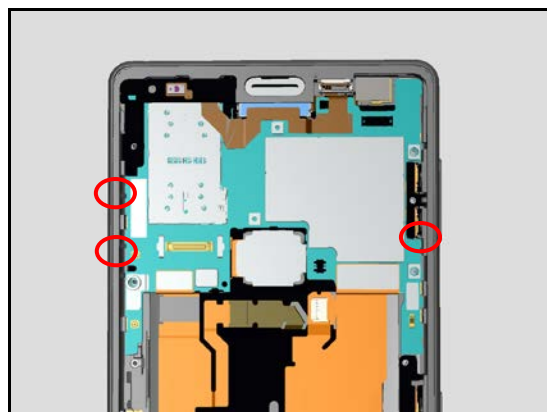
Scrap! Don't reuse the screws!



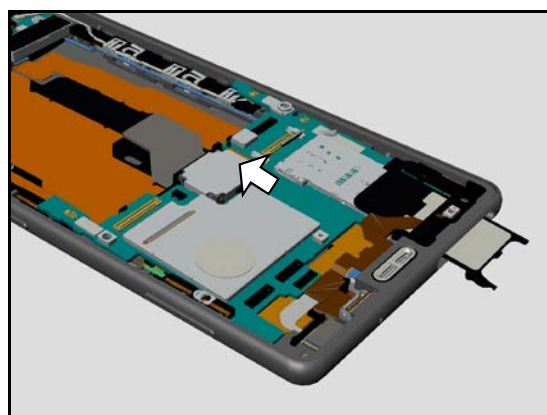
Slide the Sheet Slider MOP as shown.



Note! Hook is located red marked position.

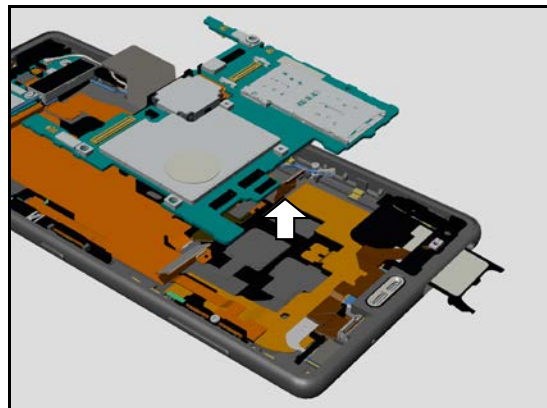


Slide the PBA Main.

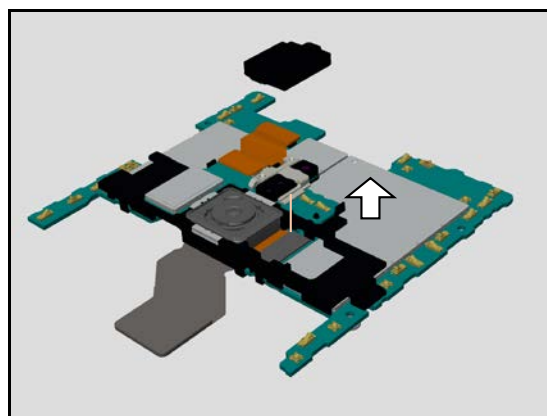


Disassembly

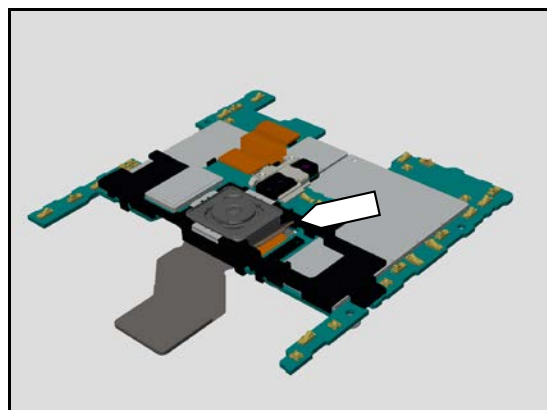
Remove the PBA Main.



Remove the Holder Main Cam BtB Sub Assy.

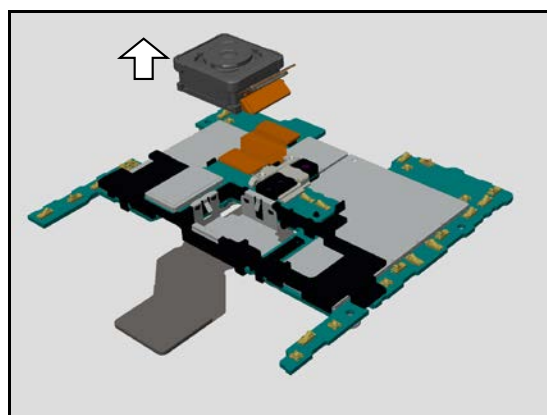


Disconnect the FICTIVE Camera 24.5M B to B.



Remove the FICTIVE Camera 24.5M.

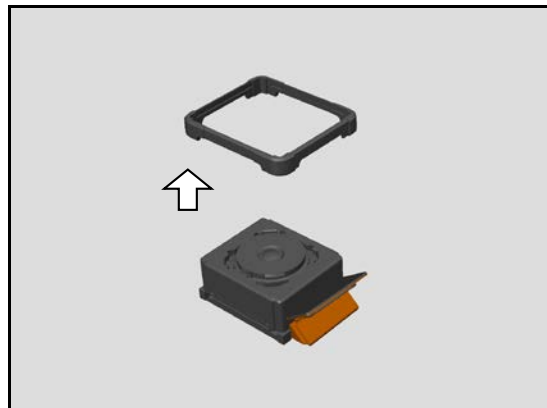
**Note! Don't touch the lens area of the Main Camera, to avoid the damage, and keep no dust on the lens.
Grab the side wall.**



Disassembly

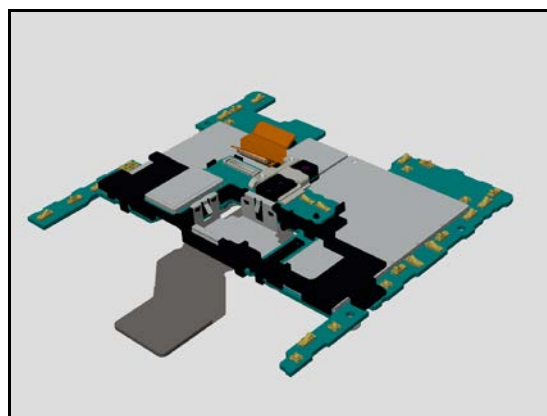
Remove the Holder Main Camera.

Note! Don't touch the lens area of the Main Camera, to avoid the damage, and keep no dust on the lens.
Grab the side wall.
If you intend to reuse the Main Camera, no need to remove the Holder Main Camera.

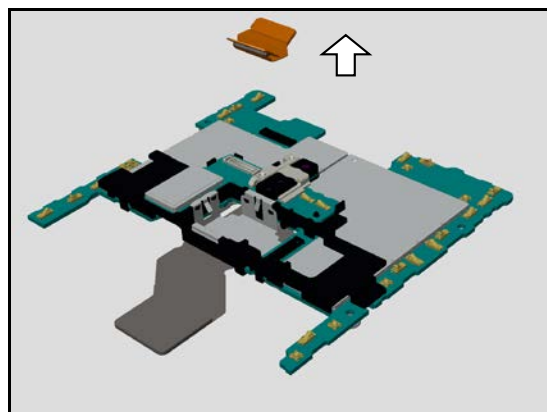


4.6 Main PBA

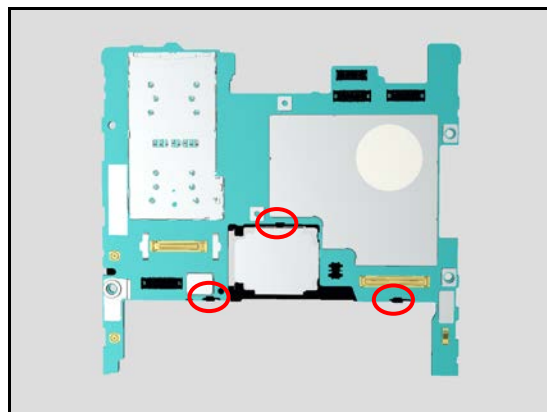
Disconnect the FPC Sub PBA.



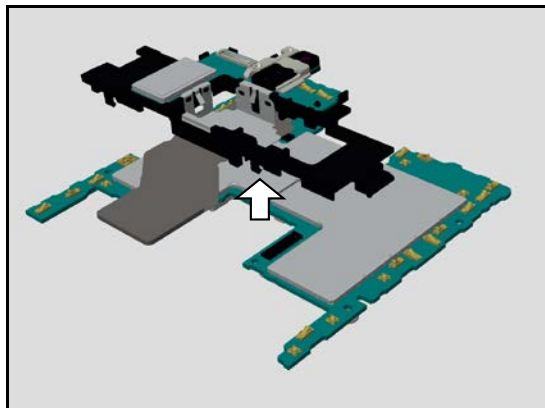
Remove the FPC Sub PBA.



Note! Hook is located red marked position.

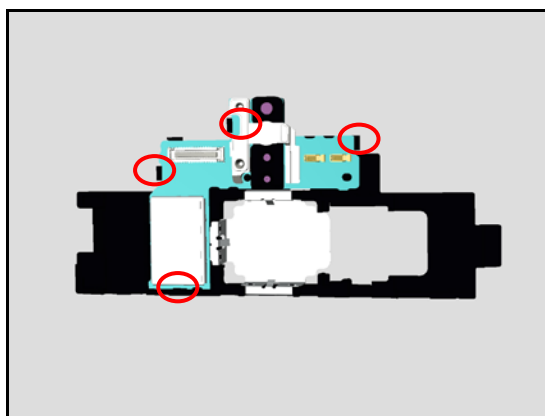


Remove the Holder Main PBA Sub Assy with Sub PBA assy.

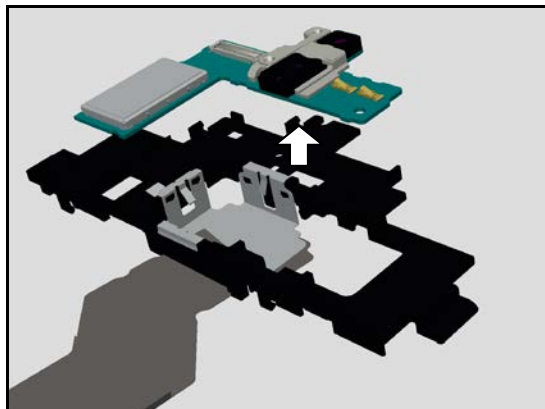


4.7 Sub PBA

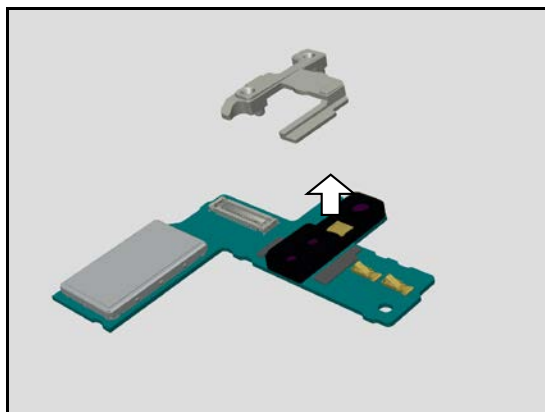
Note! Hook is located red marked position.



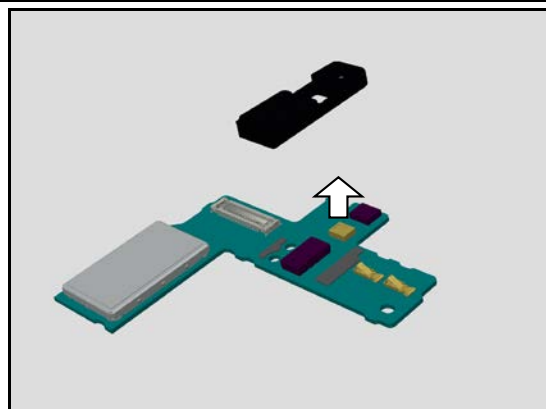
Remove the Sub PBA assy.



Remove the Light Guide Flash.

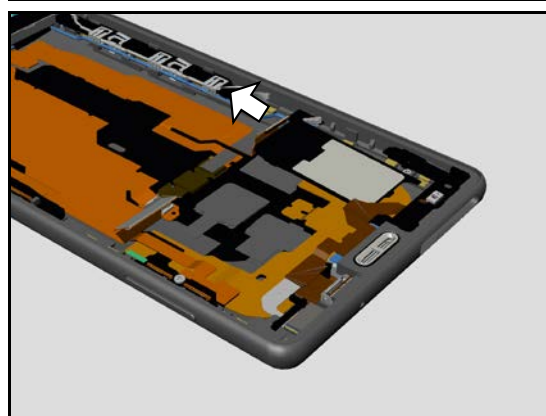


Remove the Holder Sensor.

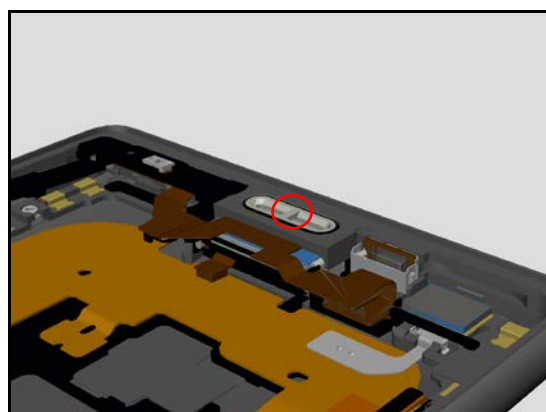


4.8 Top Spk

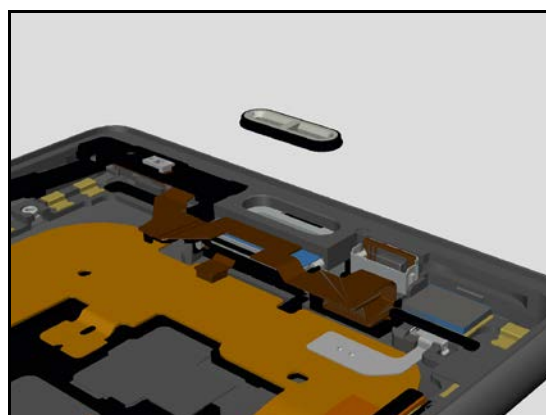
Remove the Sheet Slider MOP.



Note! Pick red marked position.

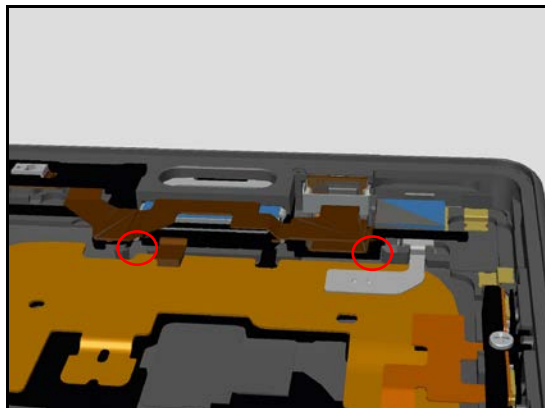


Remove the Gasket Top Spk.

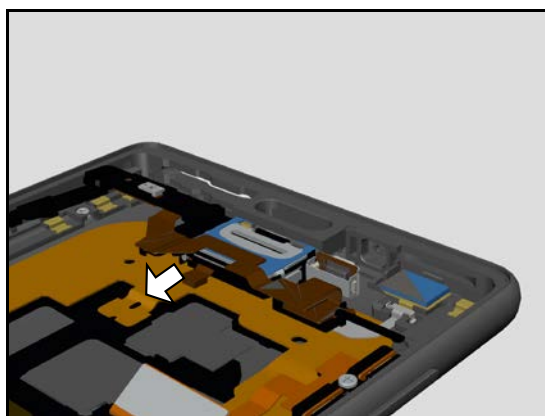


Disassembly

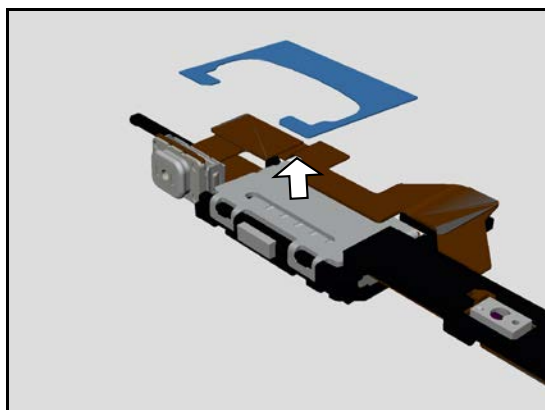
Note! Hook is located red marked position.



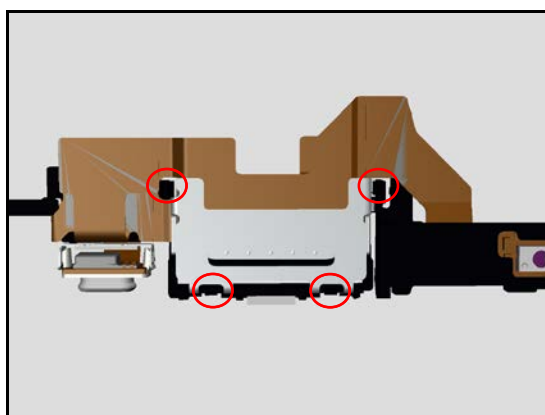
Remove the FPC Top Assy.



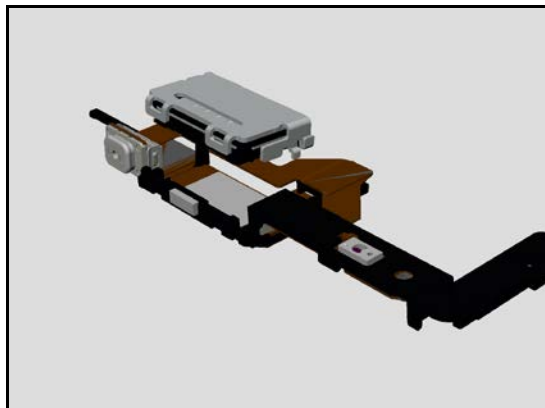
Remove the Cushion Plate Top Spk.



Note! Hook is located red marked position.



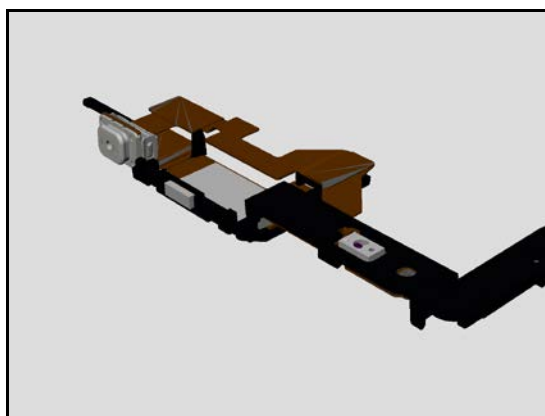
Remove the Top Spk.



4.9 FPC Top(Mic 2)

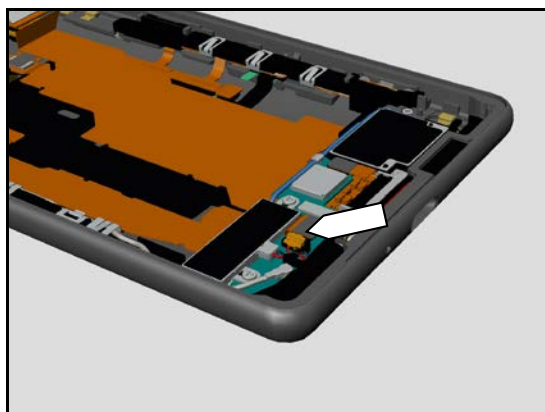
Note! Since both Gasket Mic and Plate Mic can't be reused once disassemble.

When you intend to replace the FPC Top Sub Assy, no need to remove those parts from FPC Top Sub Assy, and scrap assembled parts.



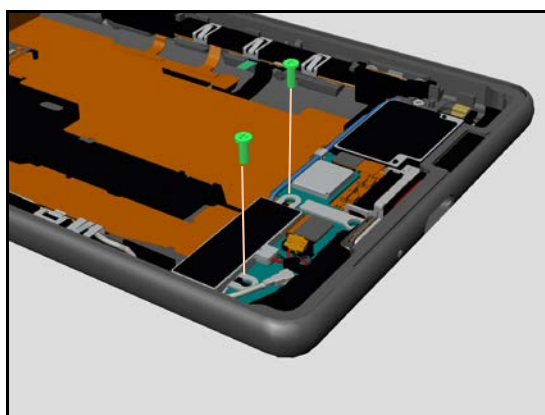
4.10 Vibrator LRA

Disconnect the Vibrator LRA B to B.

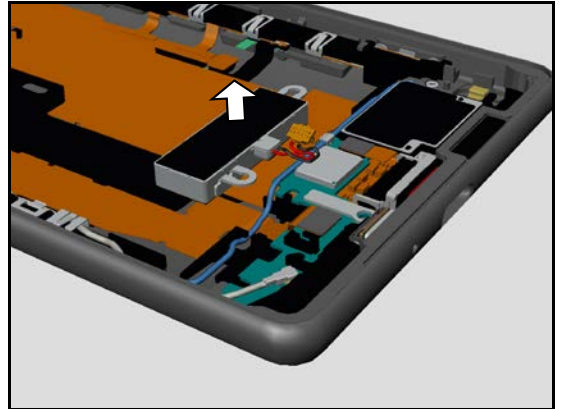


Remove the Screw M1.2x3.3.

Scrap! Don't reuse the screws!

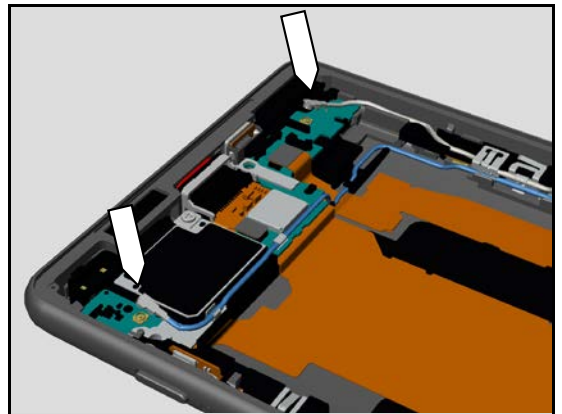


Remove the Vibrator LRA.

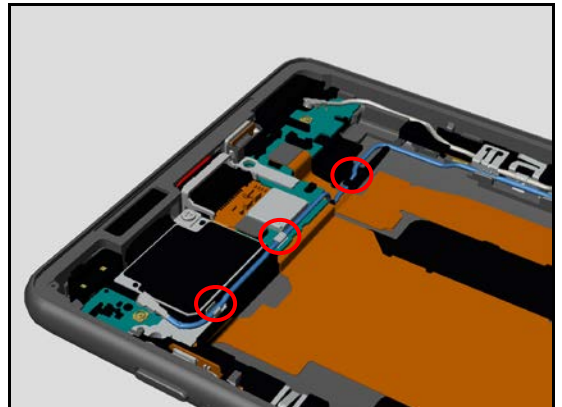


4.11 Holder Ant Gnd

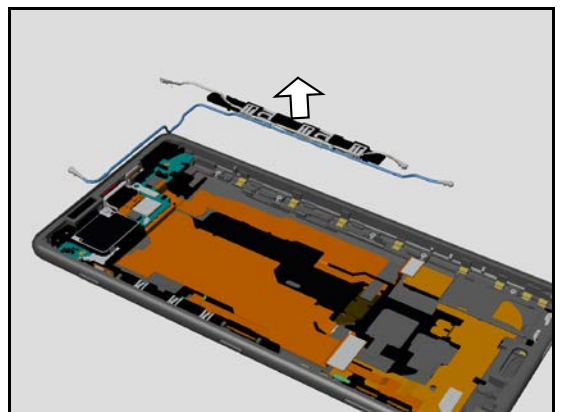
Disconnect the Holder Ant Gnd Sub Assy RF connector.



Note! Hook is located red marked position.

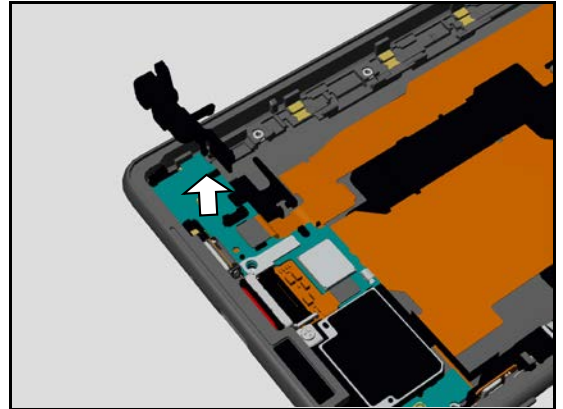


Remove the Holder Ant Gnd Sub Assy.

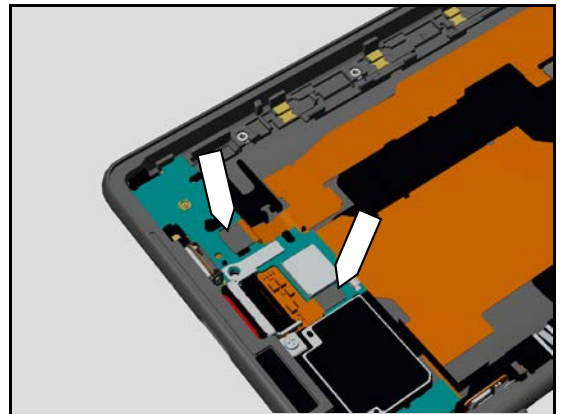


4.12 PBA ANT 1

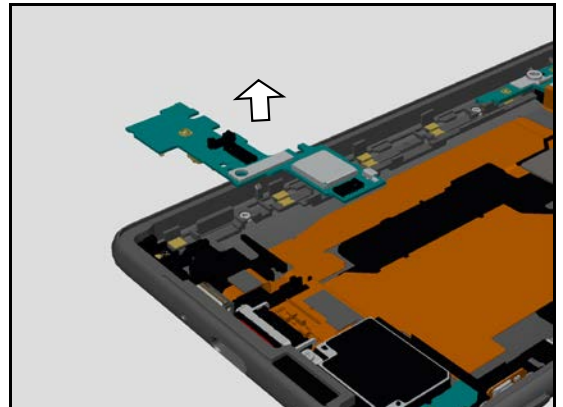
Remove the Holder Bottom.



Disconnect the PBA ANT 1 B to B connector.

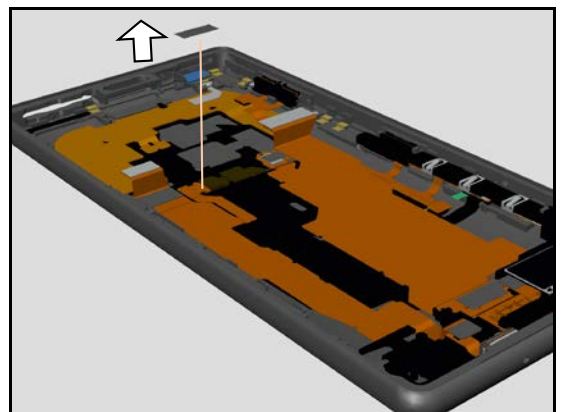


Remove the PBA ANT 1.

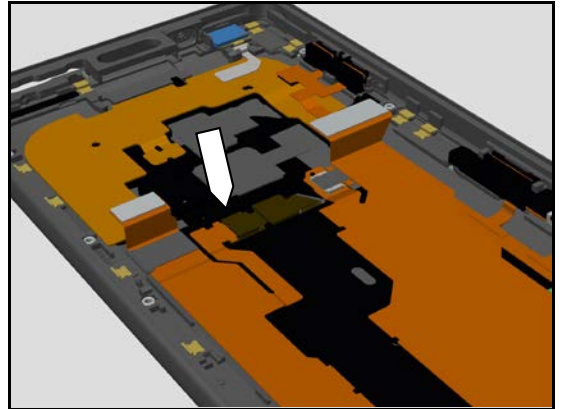


4.13 FPC Relay Sub Assy

Remove the Sheet FPC Zif.



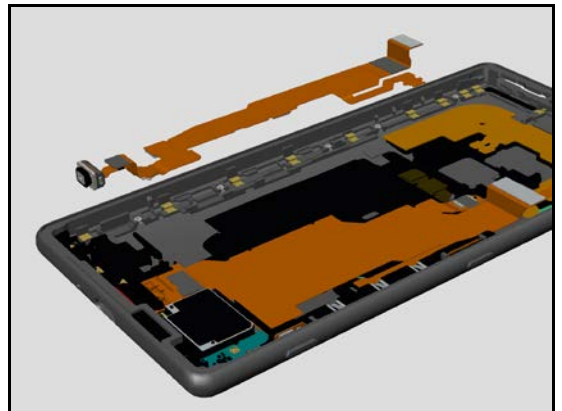
Disconnect the FPC Relay Sub Assy ZIF connector.



Remove the FPC Relay Sub Assy.

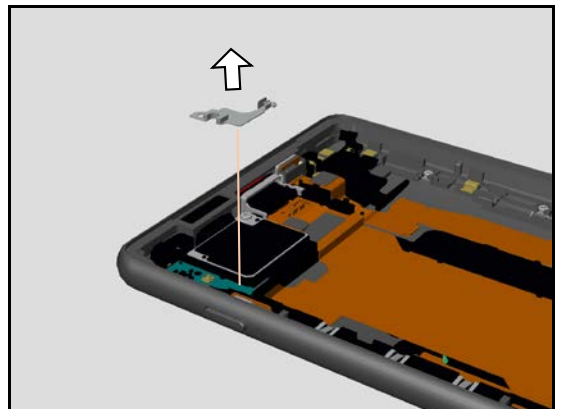
Note! Since both Gasket Mic and Plate Mic can't be reused once disassemble.

When you intend to replace the Relay FPC Sub Assy, no need to remove those parts from Relay FPC Sub Assy, and scrap assembled parts.

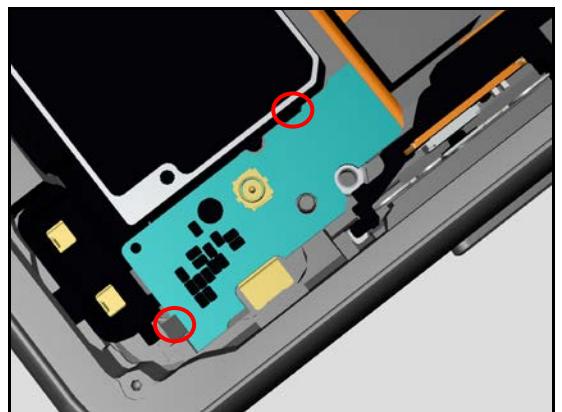


4.14 PBA ANT 2

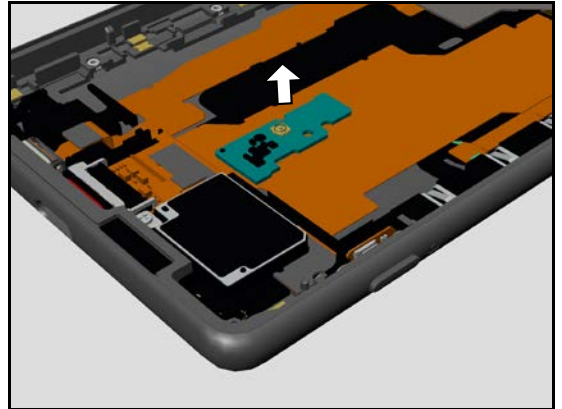
Remove the Plate RF Cable Bottom.



Note! Hook is located red marked position.

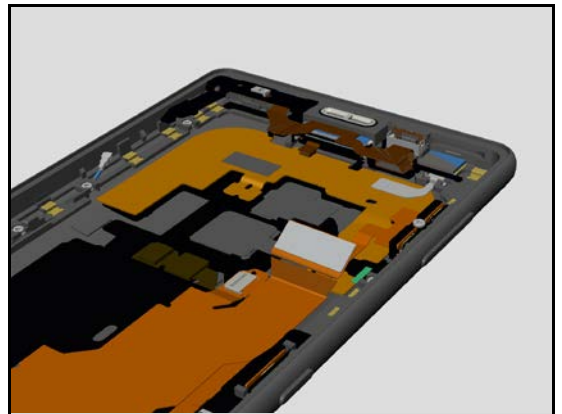


Remove the PBA ANT 2.

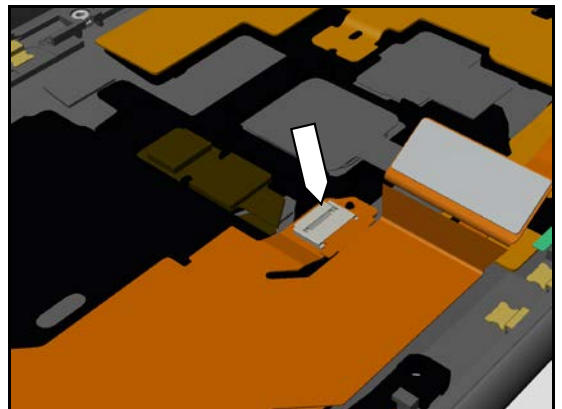


4.15 FPC USB Sub Assy

Remove the Sheet FPC Zif.

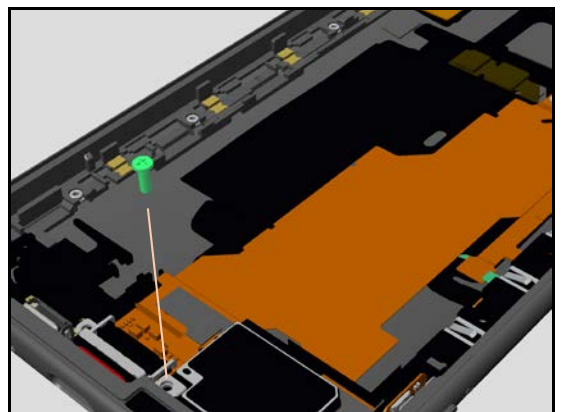


Disconnect the FPC USB Sub Assy ZIF connector.

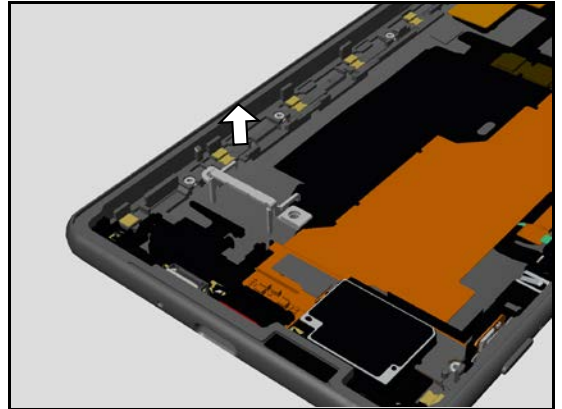


Remove the Screw M1.2x3.3.

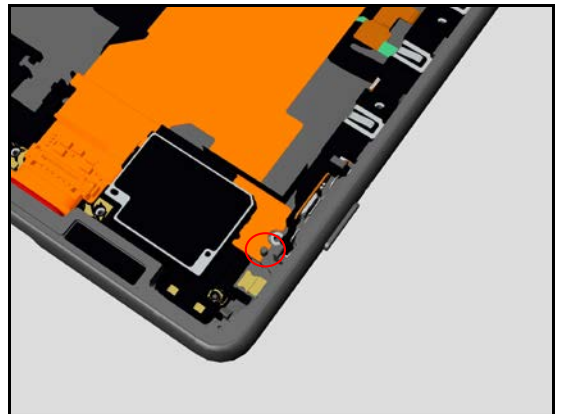
Scrap! Don't reuse the screws!



Remove the Plate USB.

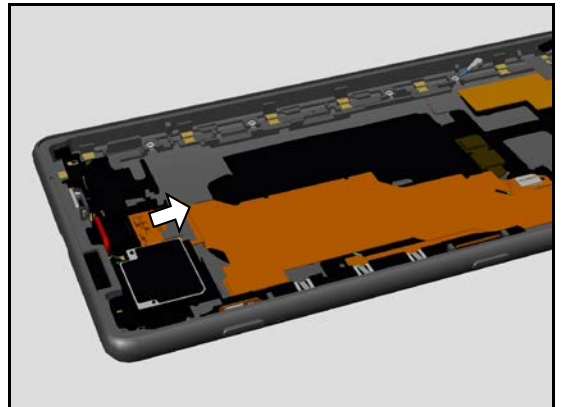


Note! Pin is located red marked position.



Remove the FPC USB Sub Assy with the Gasket USB.

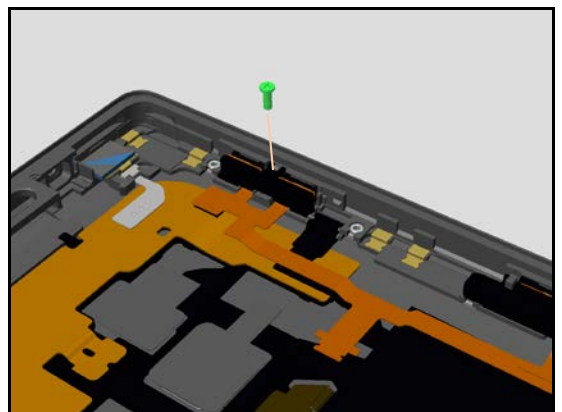
Scrap! Don't reuse the Gasket USB!



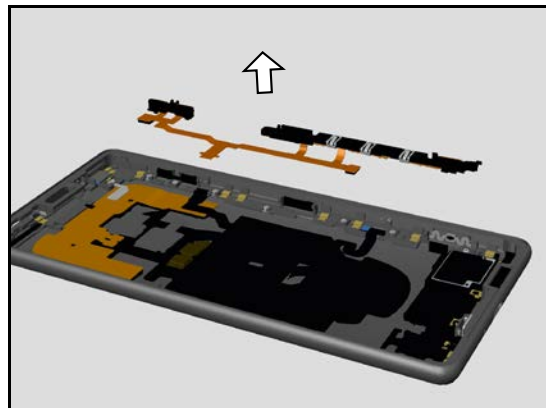
4.16 FPC Key Sub Assy

Remove the Screw M1.2x3.3.

Scrap! Don't reuse the screws!

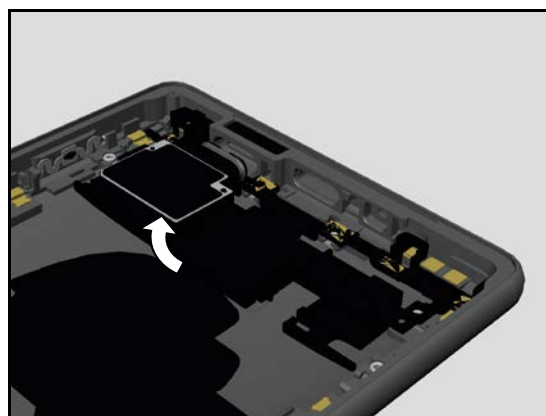


Remove the FPC Key Sub Assy.

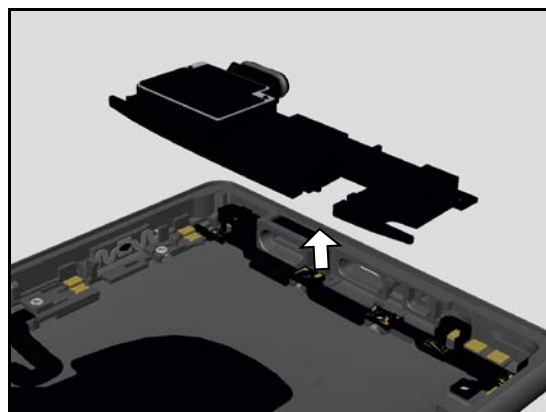


4.17 Bottom Spk Box

Slide and tilt the Bottom Spk Box Sub Assy.

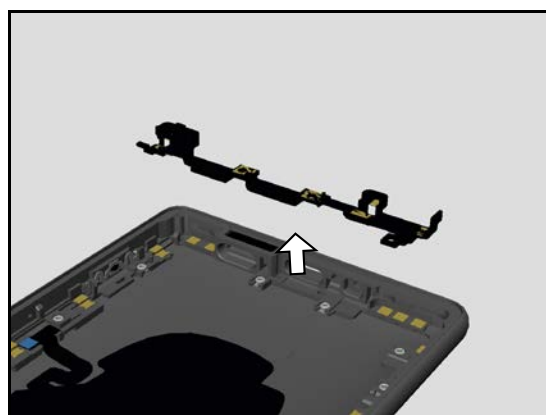


Remove the Bottom Spk Box Sub Assy.



4.18 Holder Ant Main

Remove the Holder Ant Main.

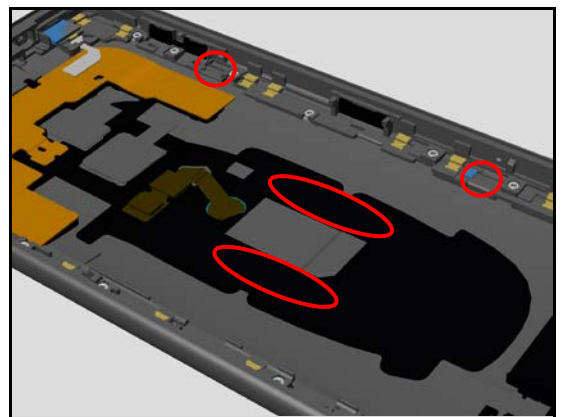
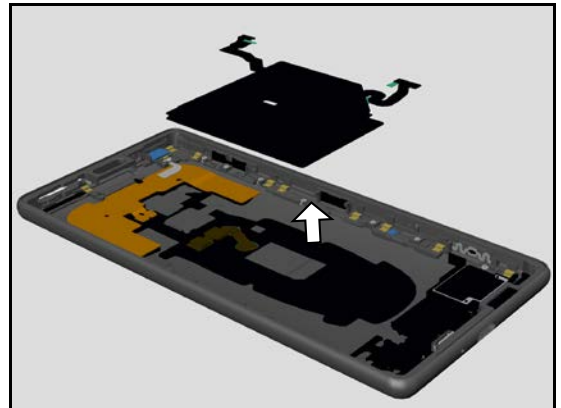


4.19 WLC

Remove the WLC.

Scrap! Don't reuse the WLC!

Note! Remove adhesive are located red marked positions.

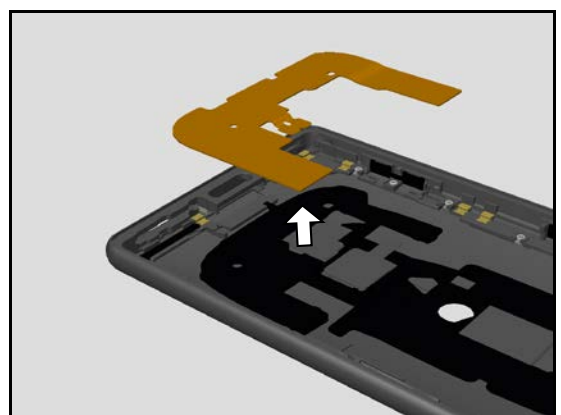
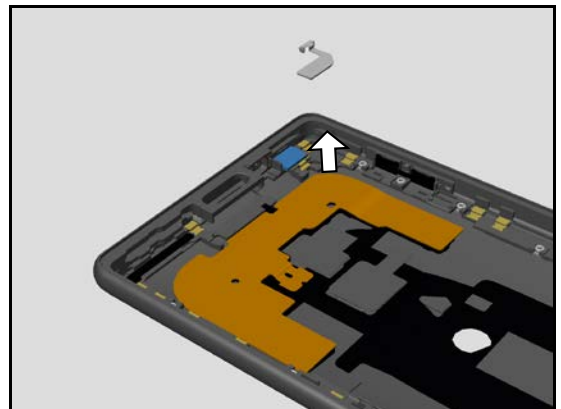


4.20 NFC

Remove the Plate Ant Sub FPC.

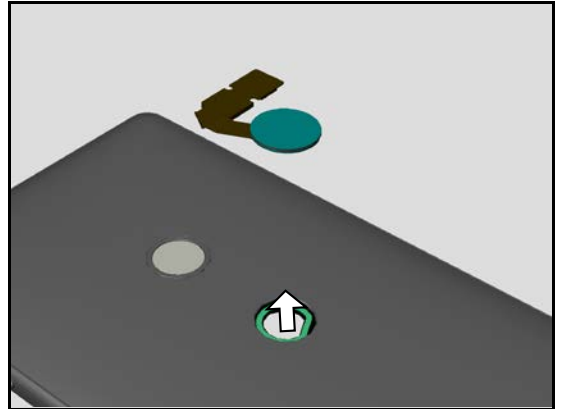
Remove the NFC.

Scrap! Don't reuse the NFC!



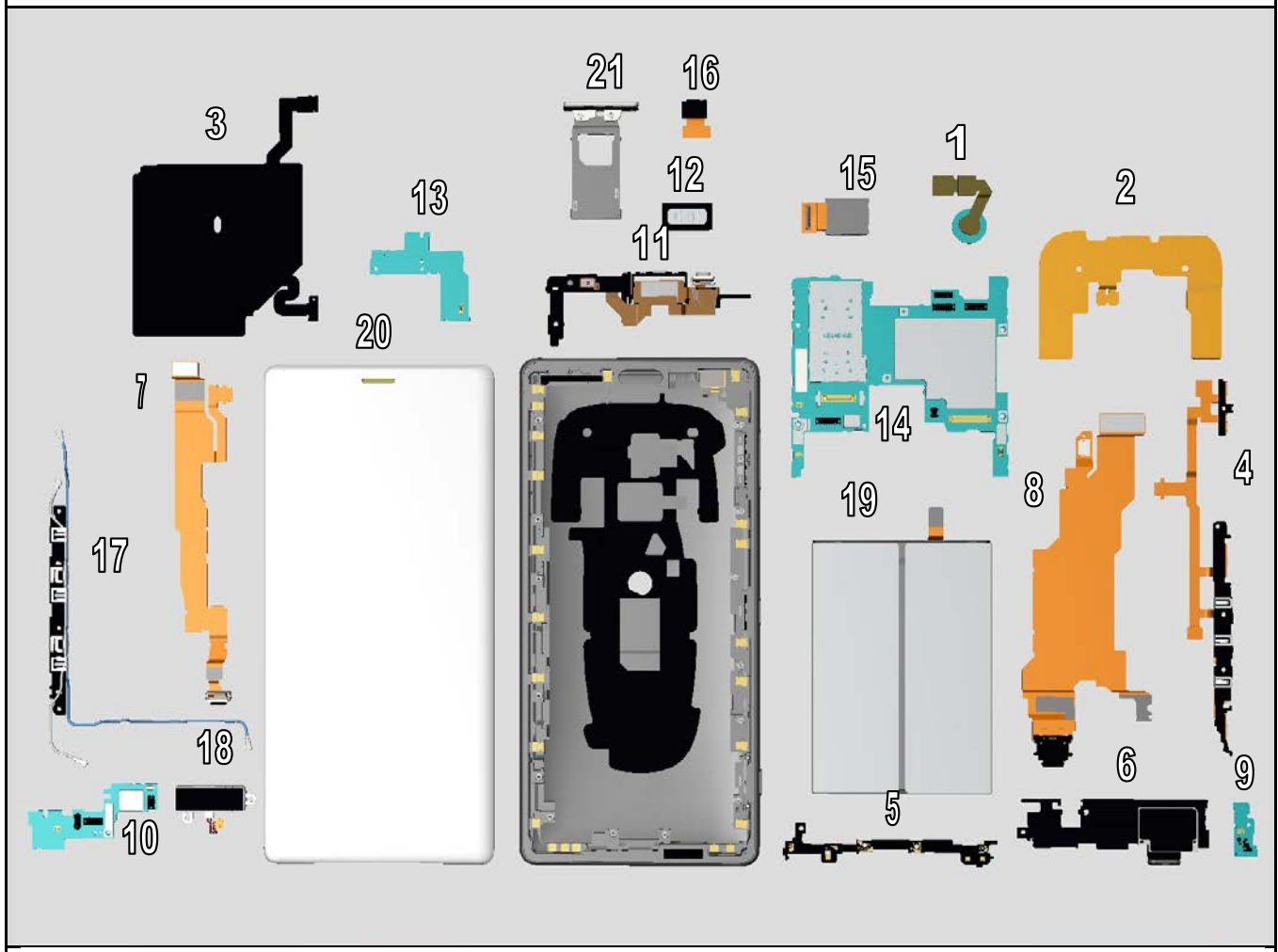
4.21 FP sensor

Remove the FP sensor Module.



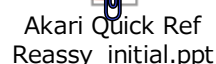
5 Reassembly

- | | |
|--------------------|--------------------|
| Cover Main | 15. Main Camera |
| 1. FP Sensor | 16. Sub Camera |
| 2.NFC | 17. Holder Ant Gnd |
| 3. WLC | 18. Vibrator LRA |
| 4. FPC Key | 19. Battery |
| 5. Holder Ant Main | 20. Display |
| 6. Bottom Spk Box | 21. Cap Combo |
| 7. FPC Relay(Mic1) | |
| 8. FPC USB | |
| 9. PBA ANT 2 | |
| 10.PBA ANT 1 | |
| 11. FPC Top(Mic 2) | |
| 12. Top Spk | |
| 13. Sub PBA | |
| 14. Main PBA | |



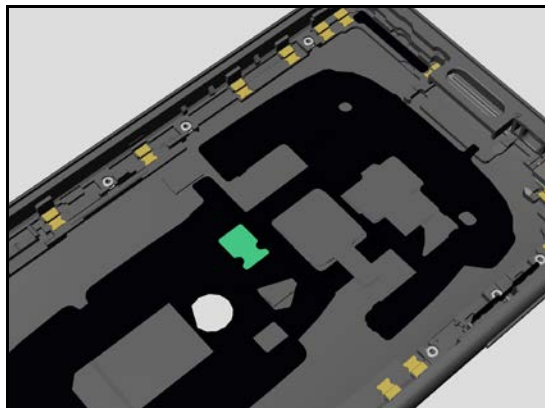
Reassembly Quick Reference Chart is embedded.
Required reassembly procedures of specific part replacement can be identified by Reassembly Quick Reference Chart.

Red color boxes are assembled part. Others are target part.

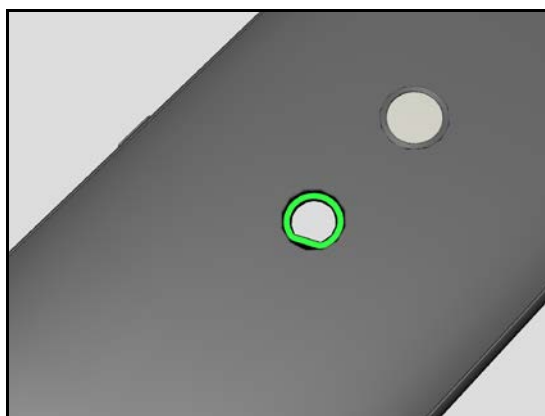
[illegible]

5.1 FP sensor

Affix the Adhesive FPC FP sensor on the Cover Main Assy.



Affix the Adhesive WR FP Sensor.

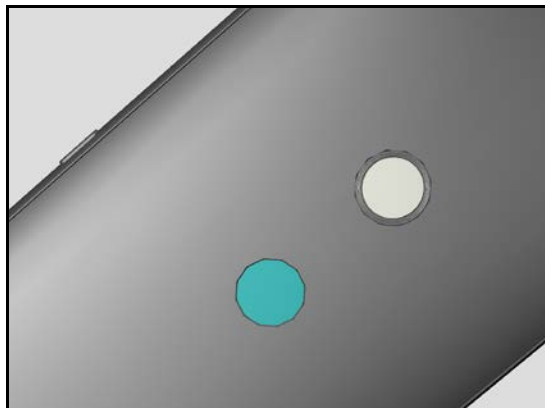


Affix the FP sensor Module on the Adhesive WR FP Sensor as shown.

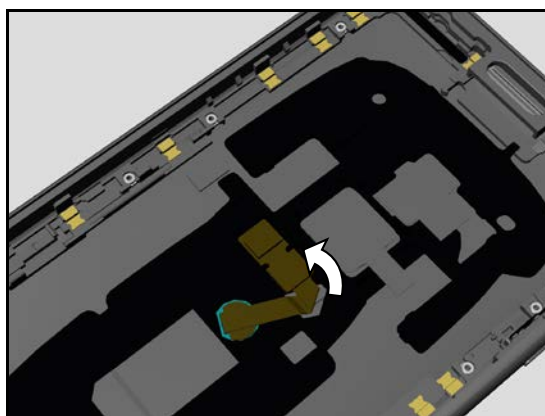


Reassembly

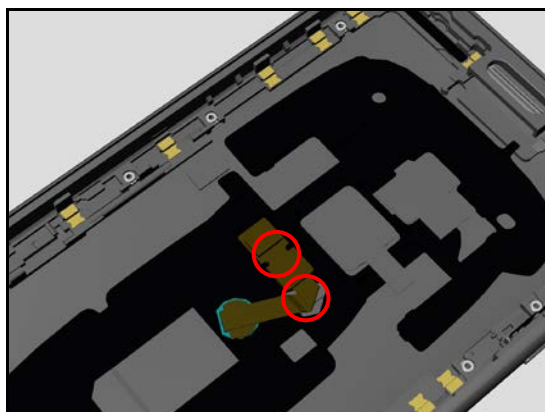
Press the FP sensor Module for 10 seconds with finger.



Bend and Affix the FP sensor Module on the Adhesive FP Sensor.

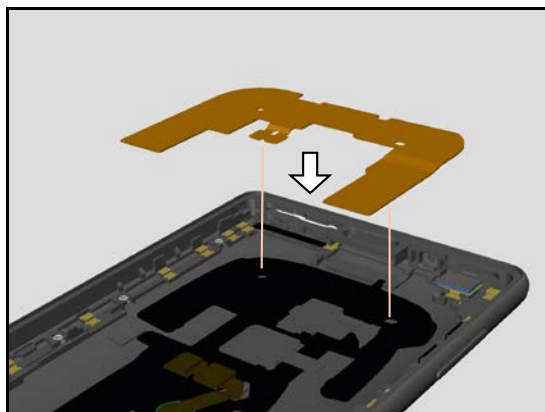


Press the FP sensor Module FPC with finger red marked positions.

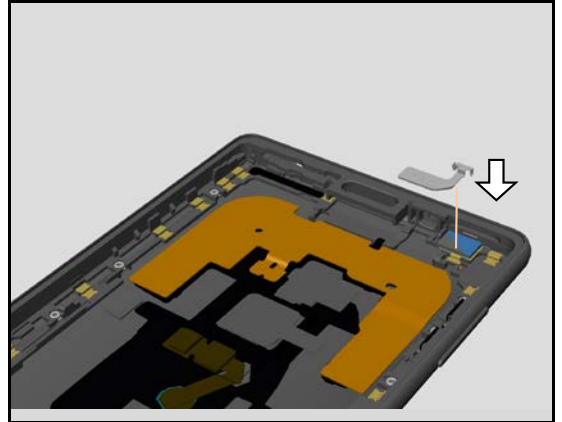


5.2 NFC

Affix the NFC on the unit.



Insert the Plate Ant Sub FPC on the unit.

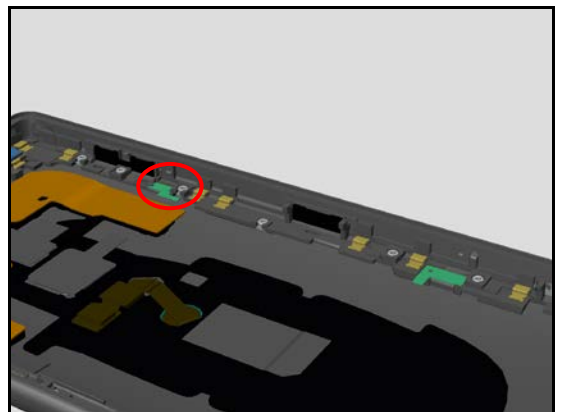


5.3 WLC

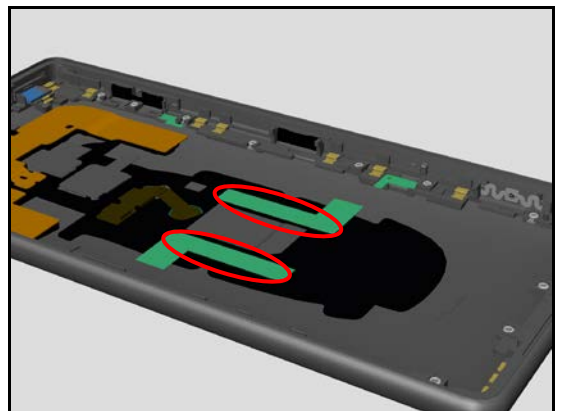
Affix the Adhesive Contact WLC Bottom as red marked position.



Affix the Adhesive Contact WLC Top as red marked position.

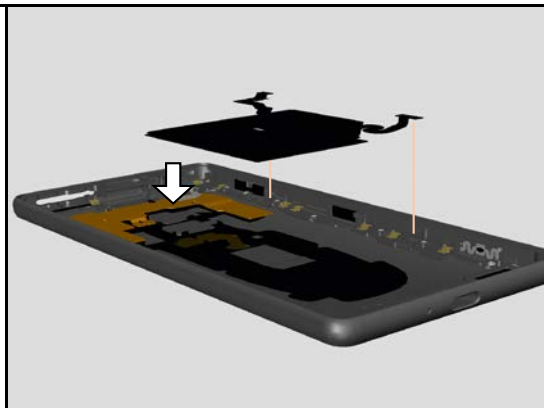


Affix the Adhesive Wireless Charge as red marked position.

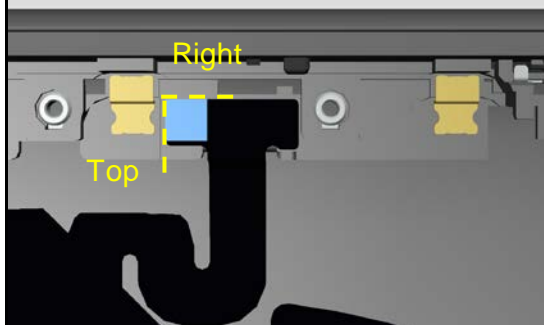
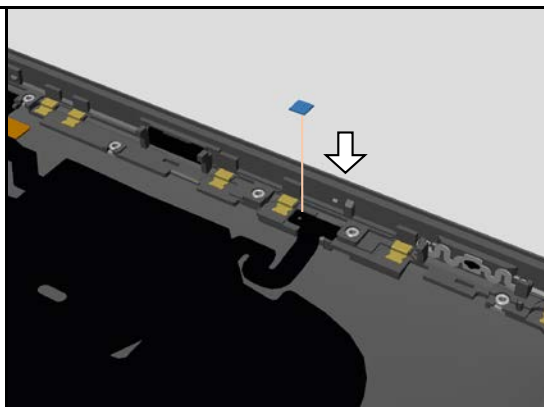


Reassembly

Affix the WLC on the unit.

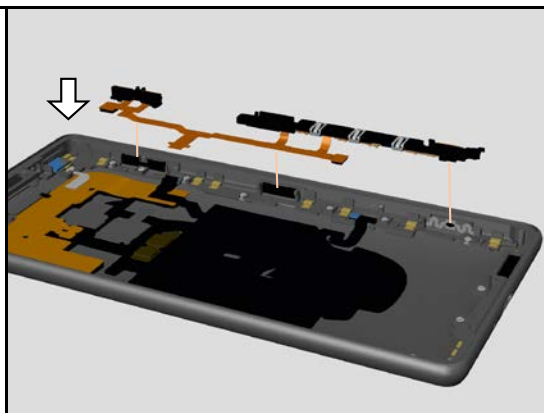


Affix the Spacer Plate Contact B on the WLC.
Top and Right : not beyond yellow dotted line.



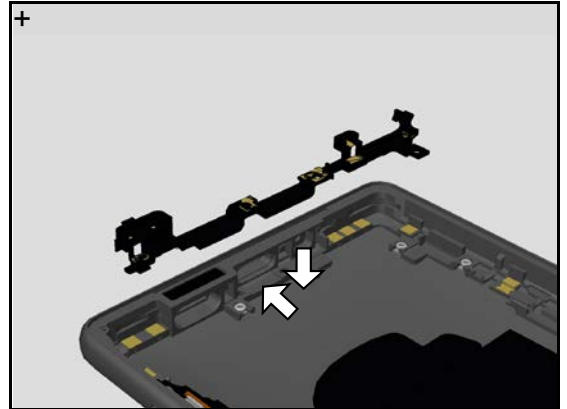
5.4 FPC Key

Install the FPC Key Sub Assy on the unit.



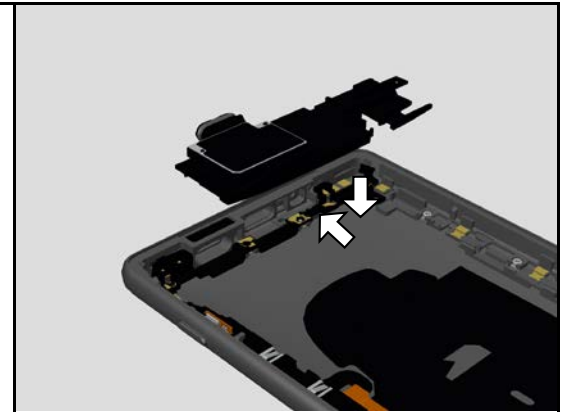
5.5 Holder Ant Main

Install the Holder Ant Main on the unit.



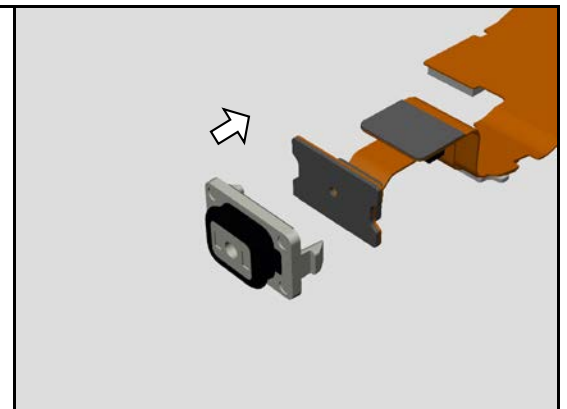
5.6 Bottom Spk Box Sub Assy

Install the Bottom Spk Box Sub Assy on the unit.

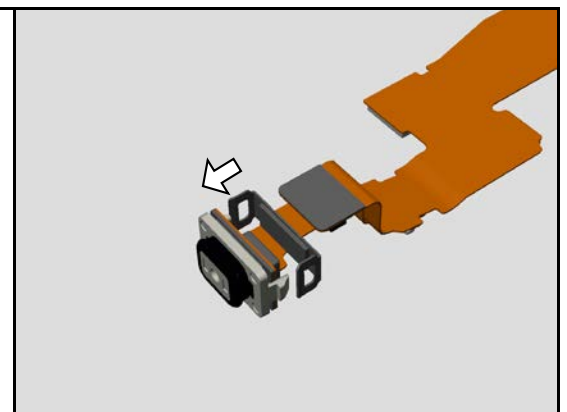


5.7 FPC Relay Sub Assy

Affix the Gasket Mic on the FPC Relay Sub Assy.

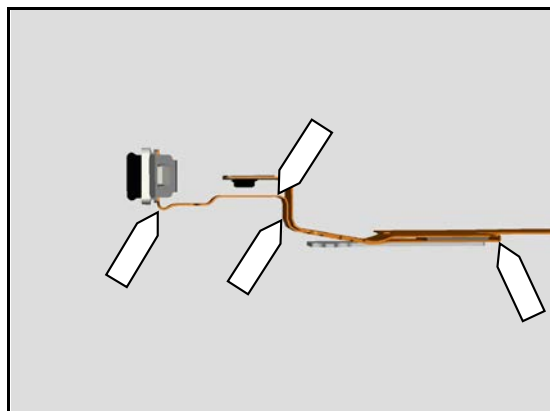


Install the Plate Mic on the Gasket Mic.

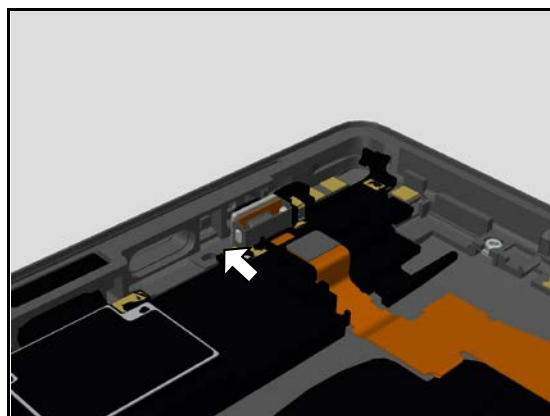


Reassembly

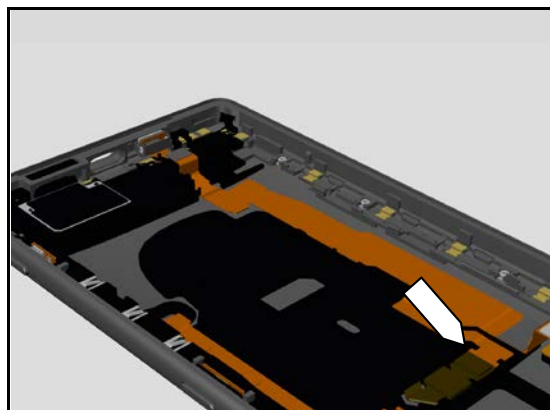
Bend the FPC Relay Sub Assy four position.



Insert the Gasket Mic of FPC Relay Sub Assy on the unit.

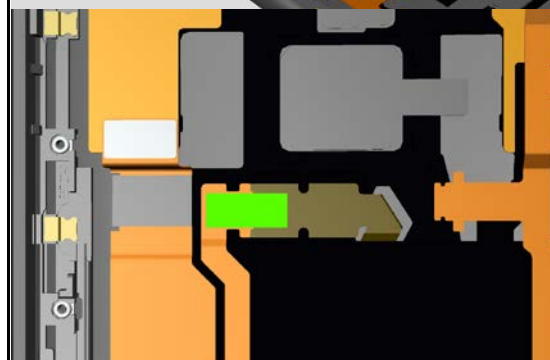
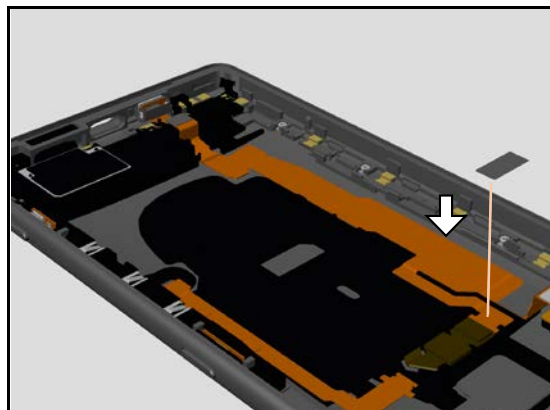


Connect the FPC Relay Sub Assy on the FP sensor Module.



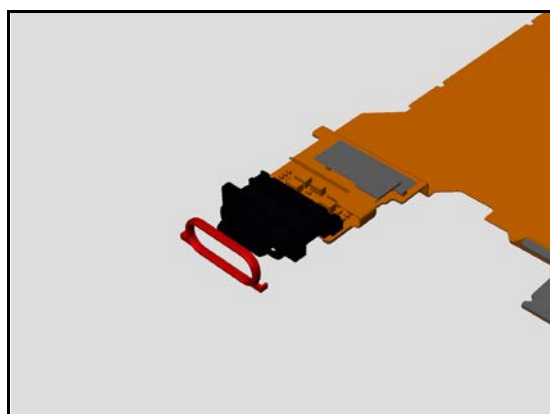
Affix the Sheet FPC Zif.

Note! Make sure to the Sheet FPC Zif on between the FPC Relay Sub Assy and Connector.

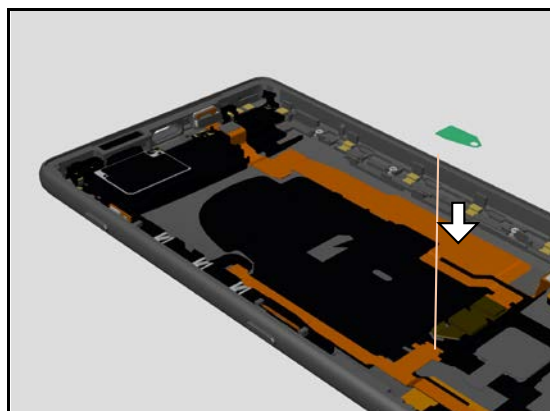


5.8 FPC Relay Sub Assy

Install the Gasket Mic on the FPC USB Sub Assy.

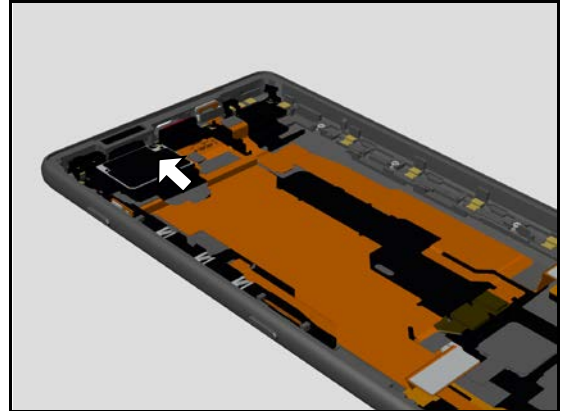


Affix the Adhesive FPC USB Key on the unit.

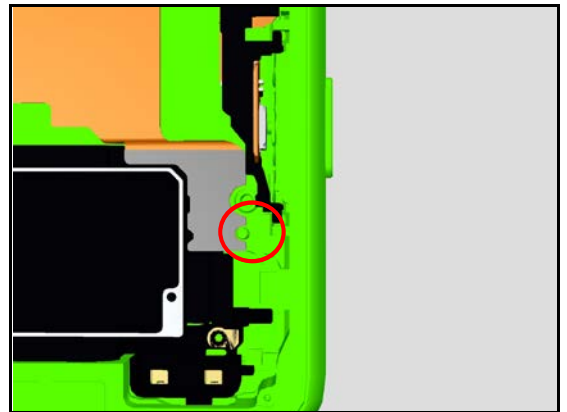


Reassembly

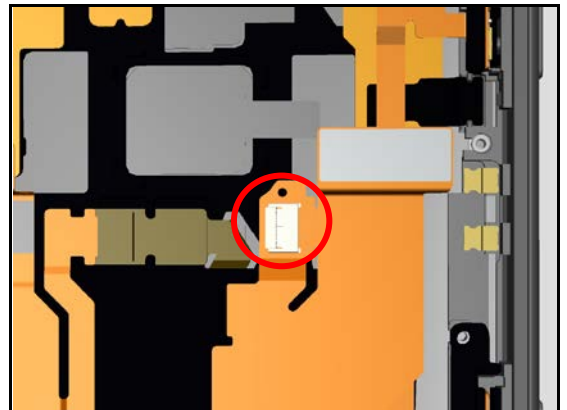
Install the Gasket USB of FPC USB Sub Assy on the unit.



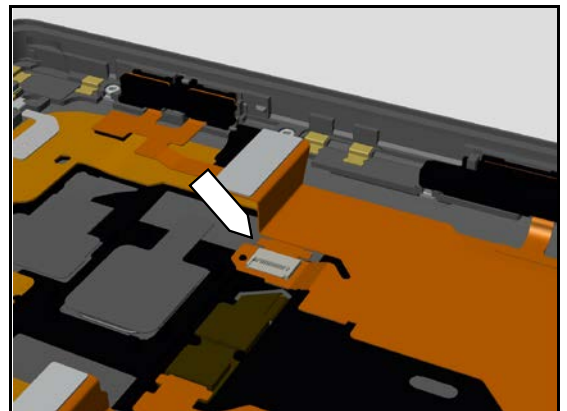
Install the FPC USB Sub Assy on the unit as red marked position.



Affix the FPC USB Sub Assy on the Adhesive FPC USB Key.



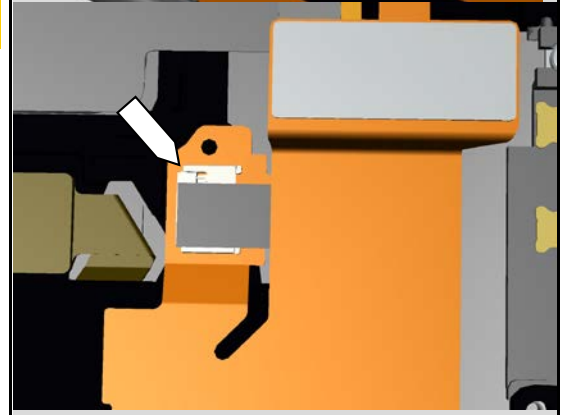
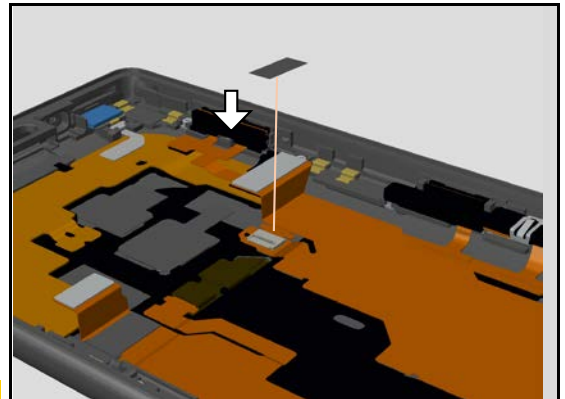
Connect the FPC Key Sub Assy to the FPC USB Relay Sub Assy.



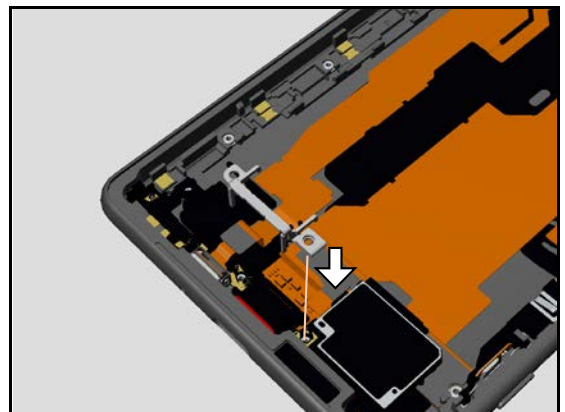
Reassembly

Affix the Sheet FPC Zif.

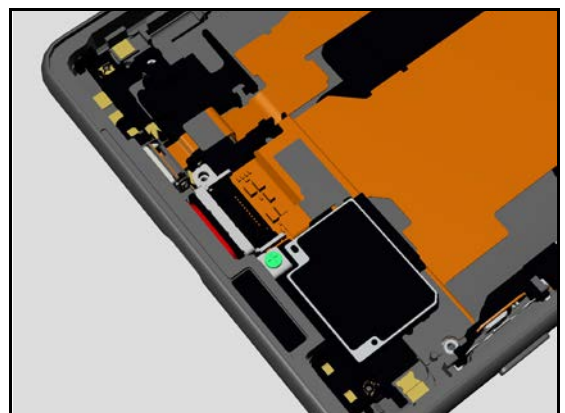
Note! Make sure to the Sheet FPC Zif on between the FPC Key Sub Assy and Connector.



Install the Plate USB.



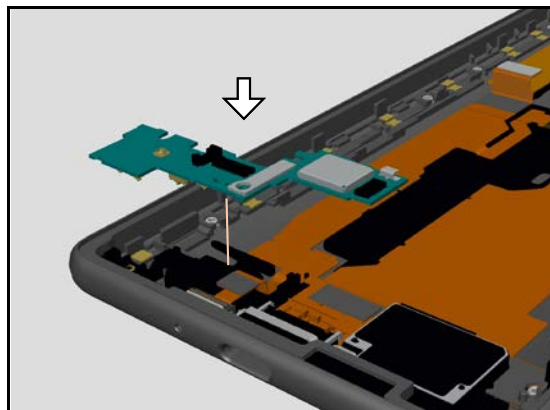
Screw the Screw M1.2x3.3.



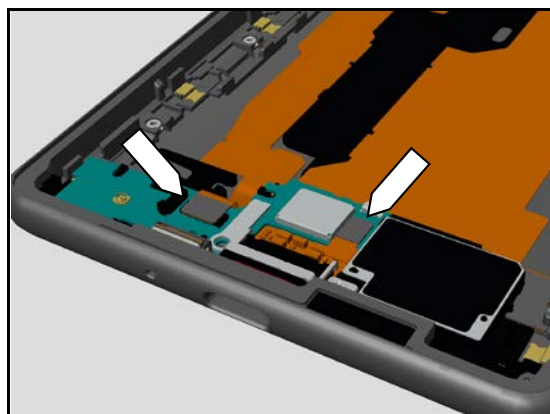
Reassembly

5.9 PBA ANT1

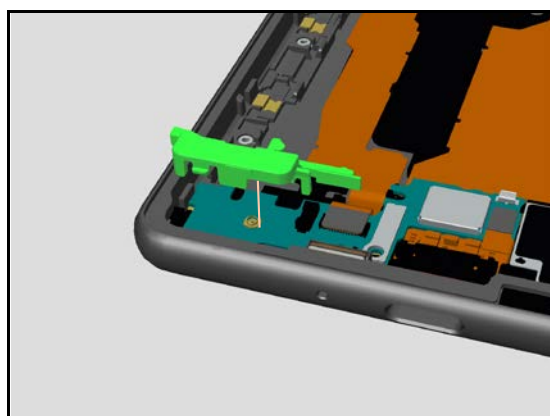
Install the PBA ANT1 on the unit.



Connect the FPC USB Sub Assy and the FPC Relay Sub Assy.

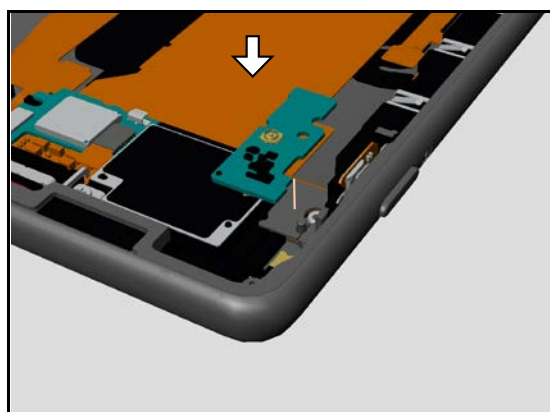


Install the Holder Bottom to the unit.



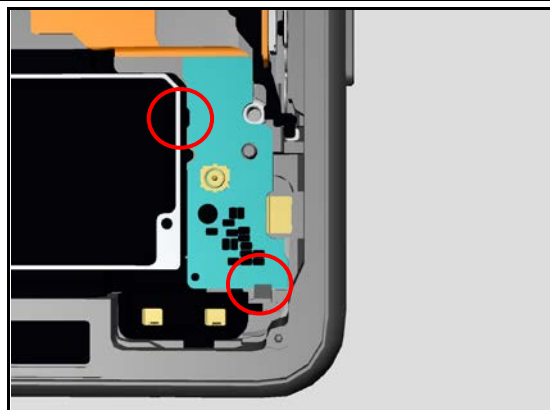
5.10 PBA ANT2

Install the PBA ANT2 on the unit.



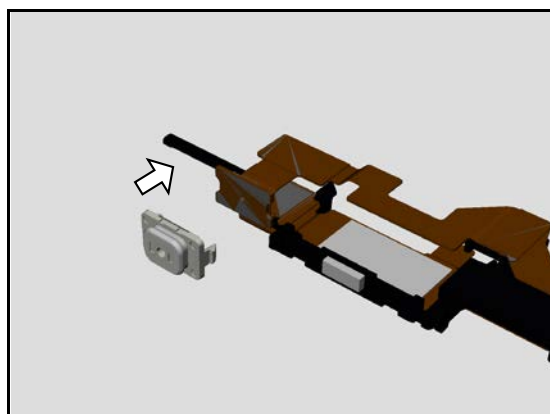
Reassembly

Note! Hook is located red marked position.

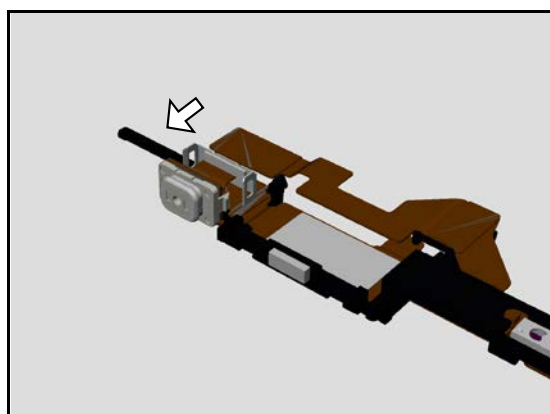


5.11 FPC Top

Affix the Gasket Mic on the FPC Top Sub Assy.

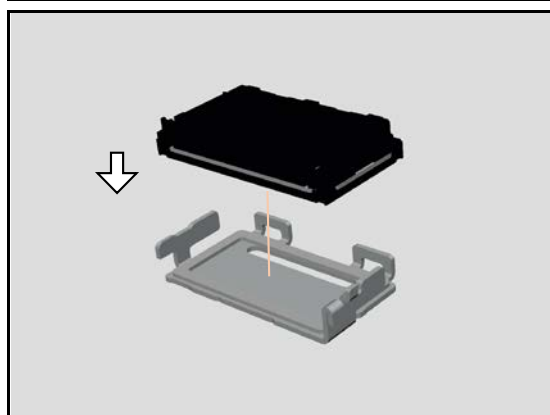


Install the Plate Mic on the Gasket Mic.

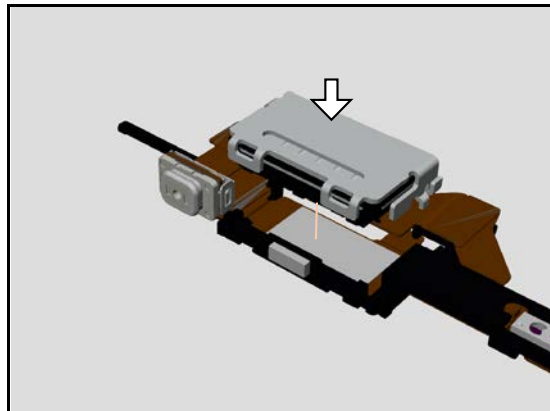


5.12 Top Spk

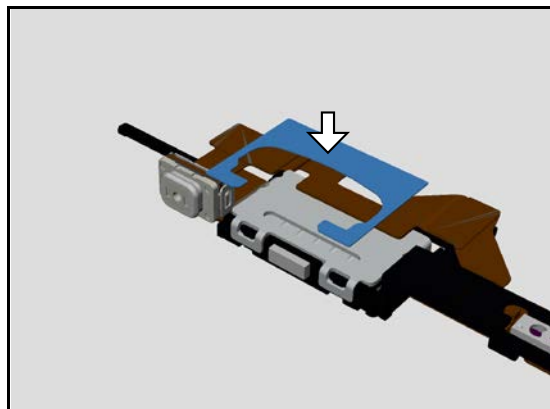
Affix the Top Apk on the Plate Top Spk.



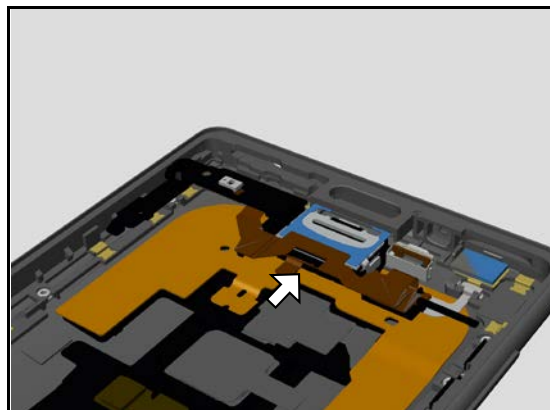
Install the Top Spk assy to the FPC Top Sub Assy.



Affix the Cushion Plate Top Spk on the Plate Top Spk.

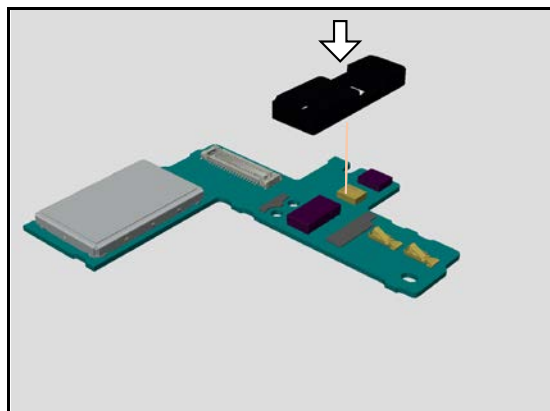


Install the FPC Top Sub Assy to the unit.

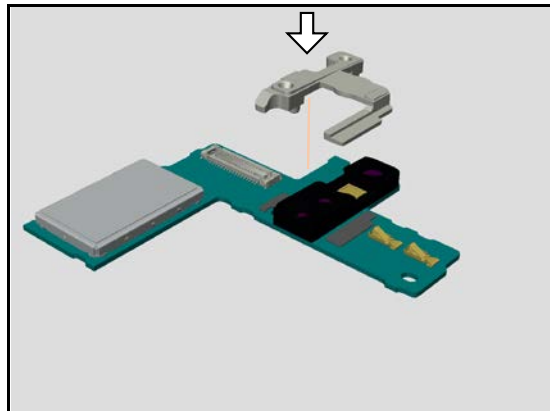


5.13 Sub PBA

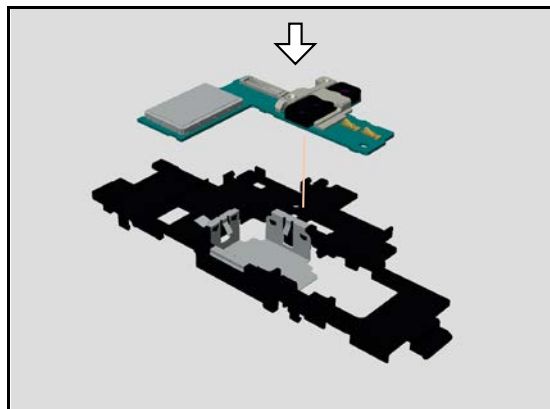
Install the Holder Sensor on the Sub PBA Complete.



Affix the Light Guide Flash on the Sub PBA Complete.

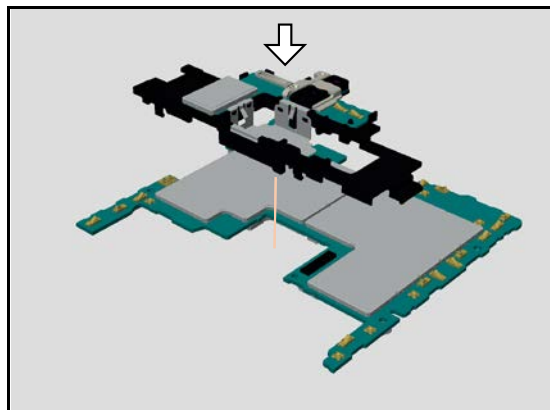


Install the Sub PBA Assy on the Holder Main PBA Sub Assy.

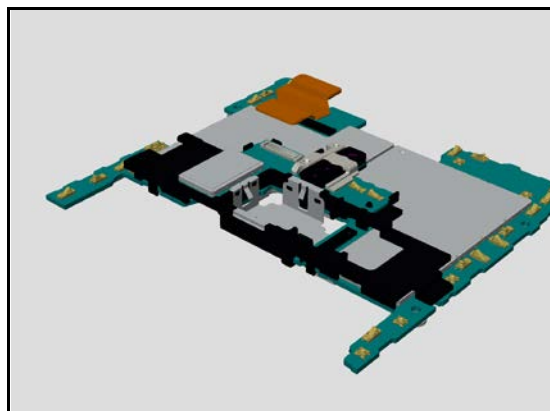


5.14 Main PBA

Install the Holder Main PBA Sub Assy with the Sub PBA Assy on the Main PBA.

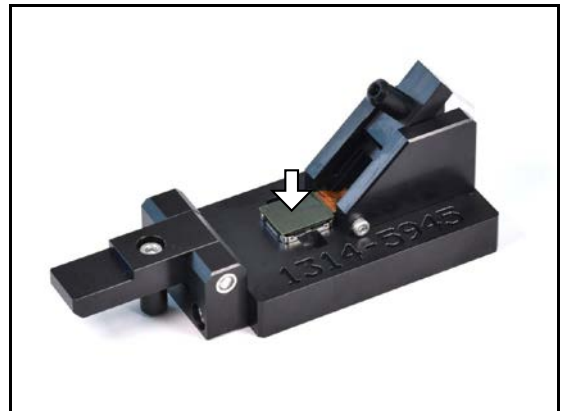


Connect the FPC Sub PBA to the Sub PBA Complete and the Main PBA.



5.15 Main Camera

Place the FICTIVE Main Camera on the Press Tool for Bending Camera FPC.



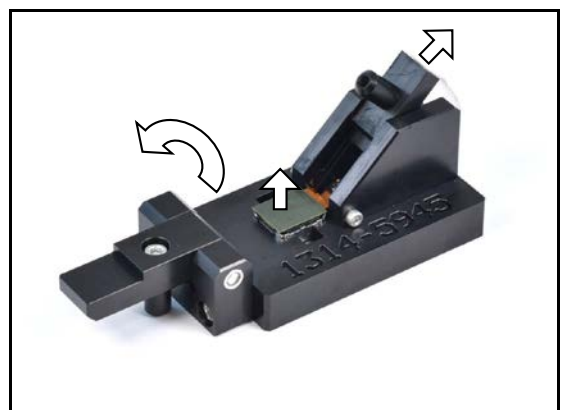
Close Lid the Press Tool for Bending Camera FPC.



Bend the FPC of the Main Cam Blak by the Press Tool for Bending Camera FPC.



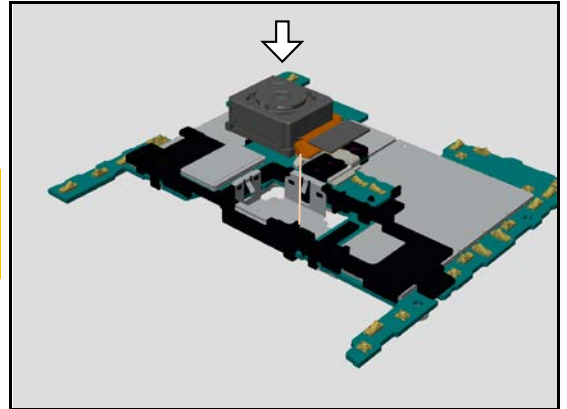
Open Lid of the Press Tool for Bending Camera FPC.



Reassembly

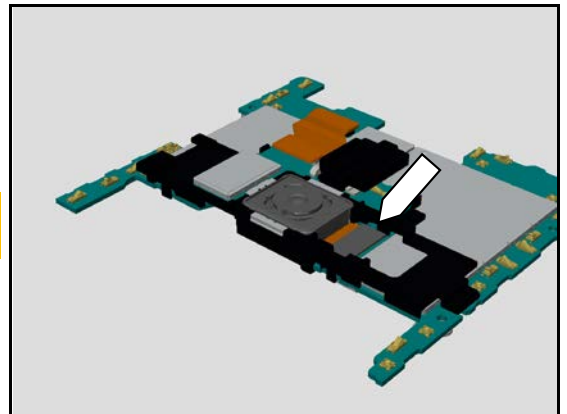
Install the FICTIVE Camera 24.5Mi.

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



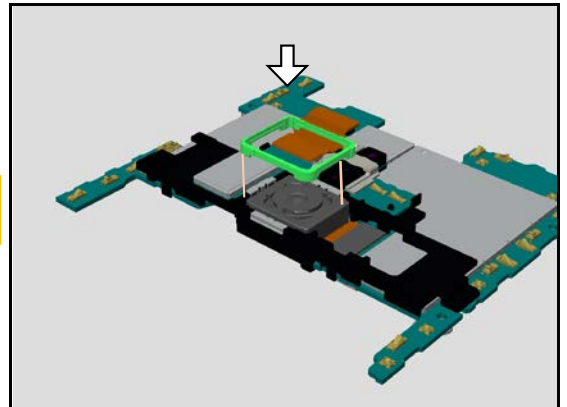
Connect the Main Camera B to B to the Main PBA.

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



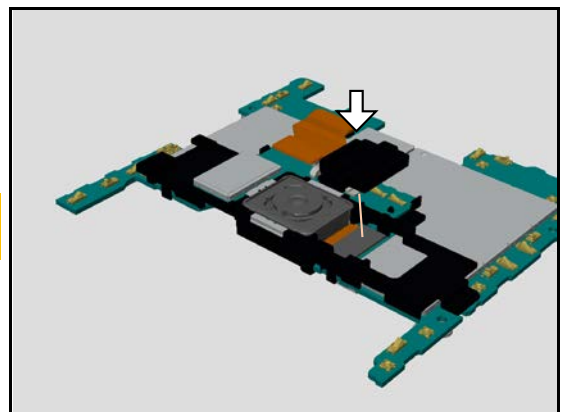
Install the Holder Main Camera on the Main PBA Assy.

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



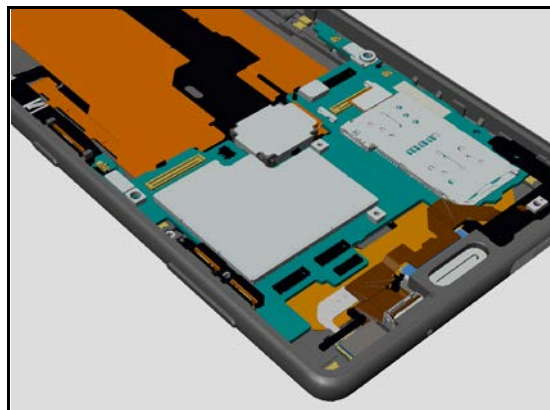
Install the Holder Main Cam BtB Sub Assy on the Main PBA Assy.

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

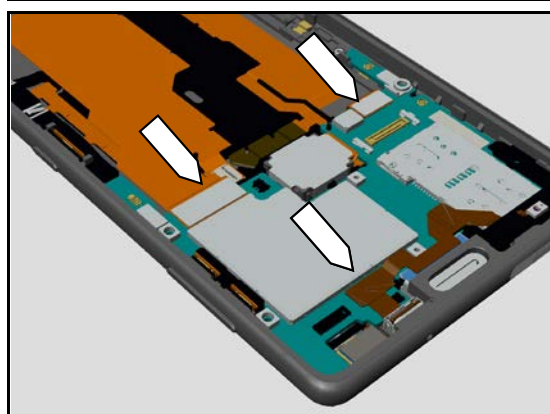


Reassembly

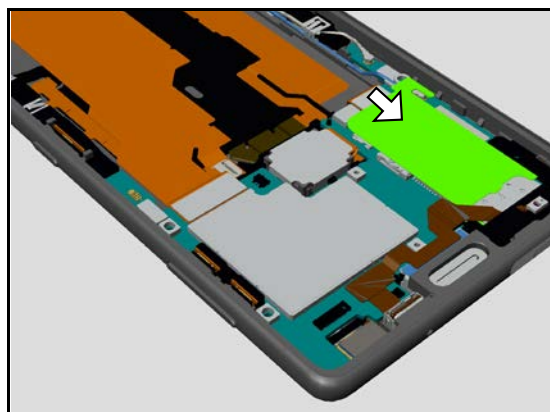
Install the Main PBA Assy on the unit.



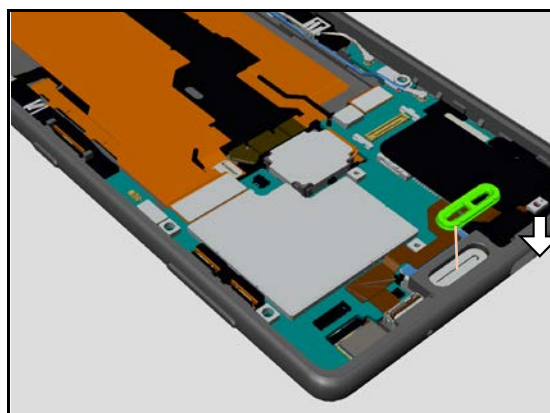
Connect the FPC USE Sub Assy B to B, the FPC Relay Sub Assy and the FPC Top Sub Assy on Main PBA B to B.



Install the Sheet Slider MOP on the unit.



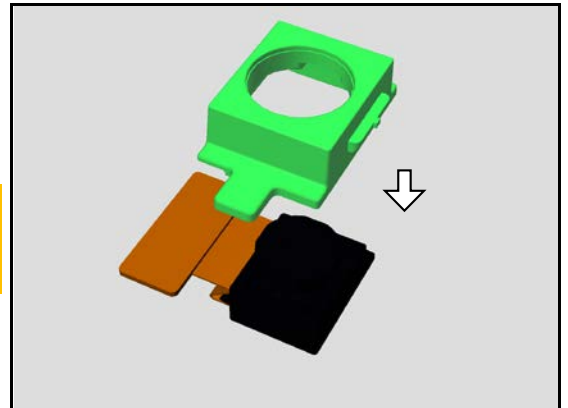
Affix the Gasket Top Spk.



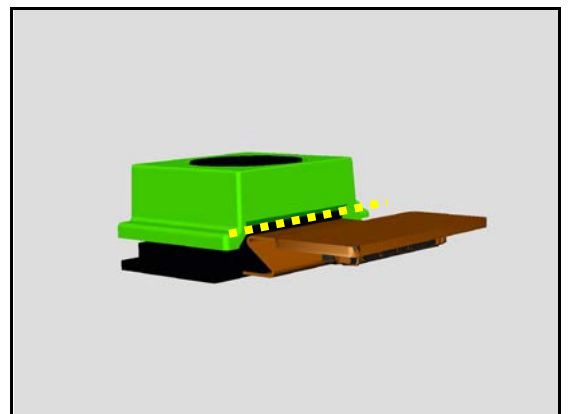
5.16 Sub Camera

Install the Holder Sub Cam on the Sub Cam.

**Note! Don't touch the lens area of the Sub Cam, to avoid the damage, and keep no dust on the lens.
Grab the side wall.**

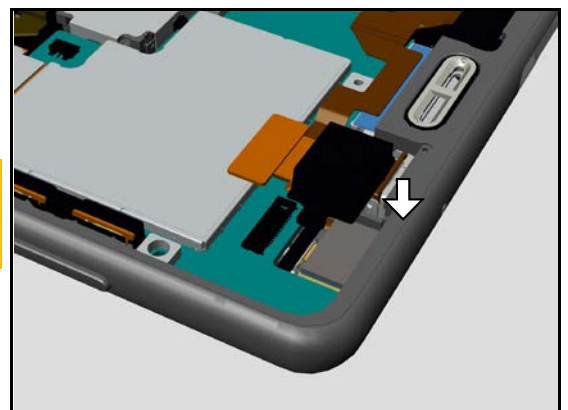


Bending the FPC of the Sub Cam as shown.
Bending location is not beyond yellow dotted line

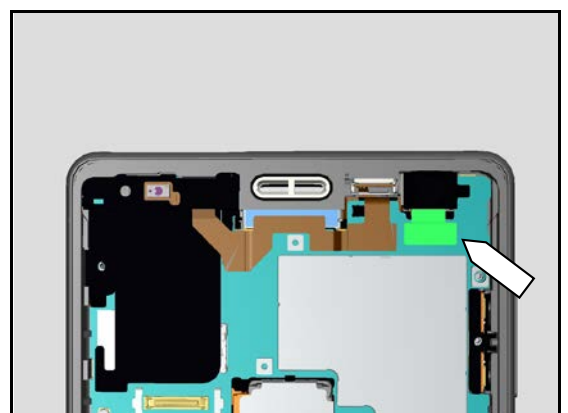


Install the Sub Cam on the unit.

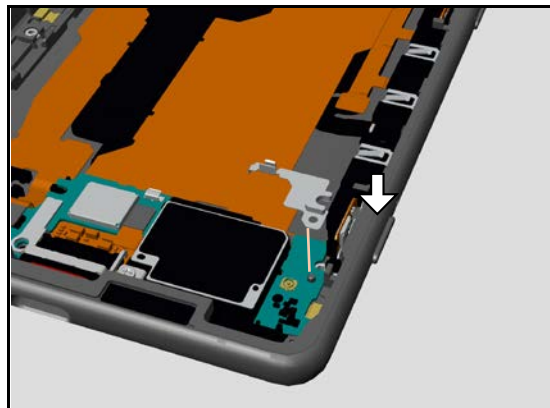
**Note! Don't touch the lens area of the Sub Cam a, to avoid the damage, and keep no dust on the lens.
Grab the side wall.**



Connect the Sub Cam B to B on the Main PBA B to B.

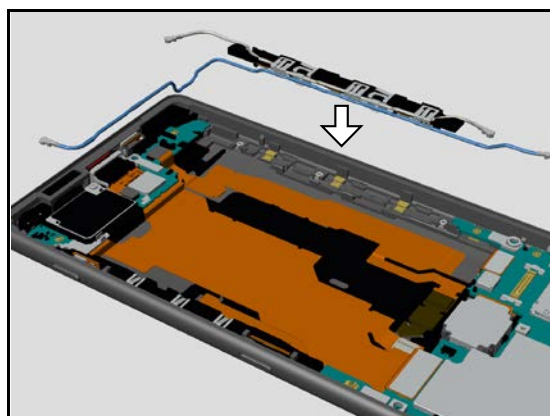


Install the Plate RF Cable Bottom.



5.17 Holder Ant Gnd

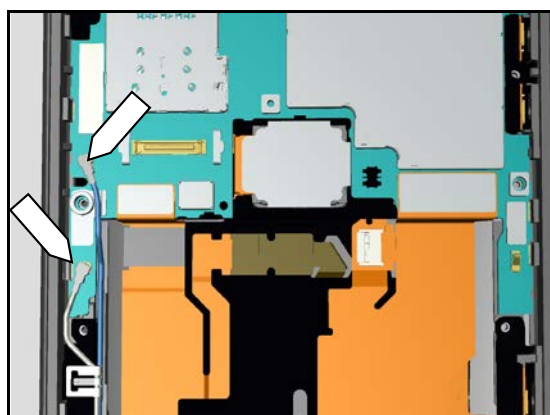
Install the Holder Ant Gnd Sub Assy on the unit.



Connect the Holder Ant Gnd Sub Assy RF connector on the PBA ANT1 and the PBA ANT2.

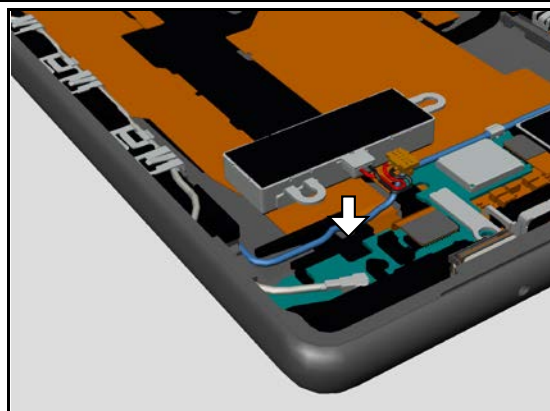


Connect the Holder Ant Gnd Sub Assy RF connector on the Main PBA.

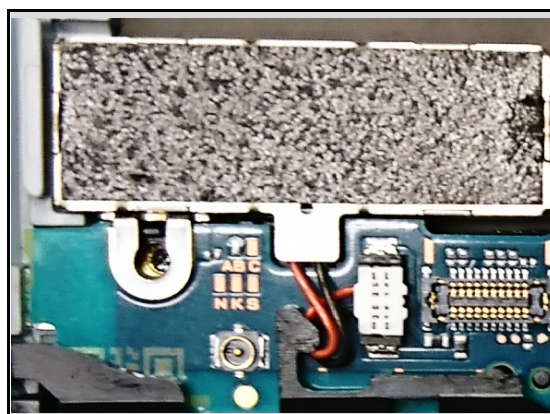


5.18 Vibrator LRA

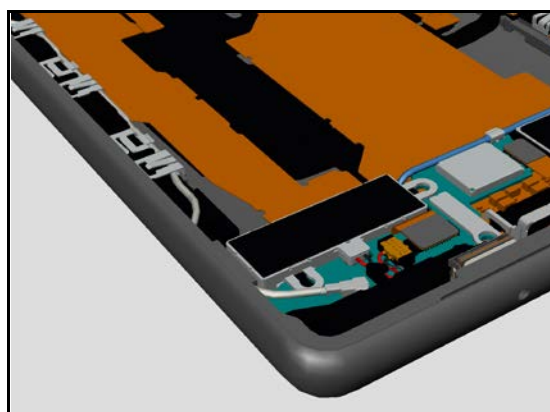
Install the vibrator LRA on the unit.



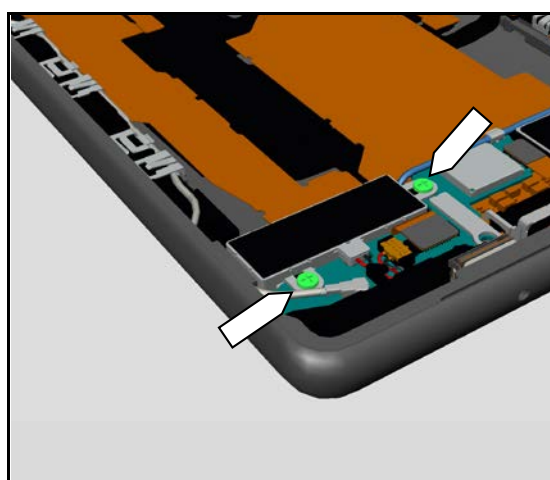
Routing the Wire the Vibrator LRA as shown.



Connect the Vibrator LRA B to B on the PBA ANT1.



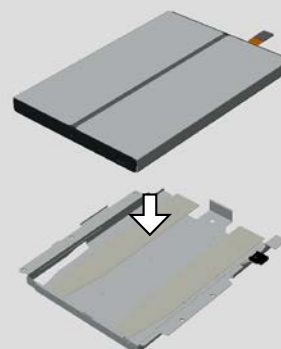
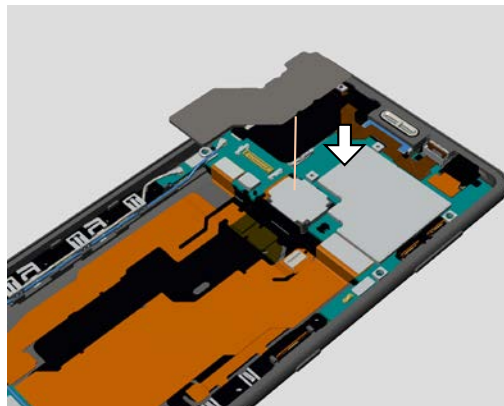
Screw the Screw M1.2x3.3.



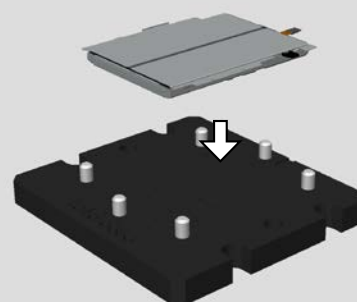
Affix the Sheet Thermal Main Cam.

5.19 Battery

Affix the Battery on the Plate Battery Sub Assy.



Place the Battery assy on the Battery Press Tool Bottom.

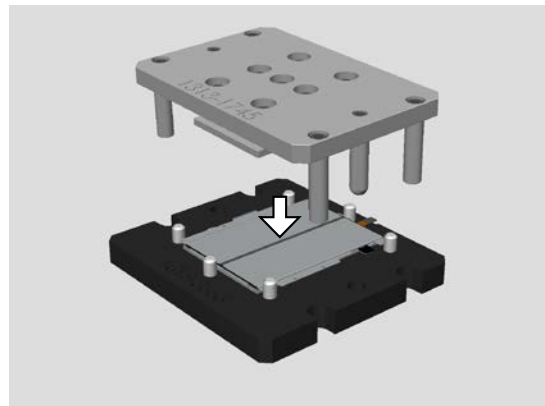


Positon as shown.

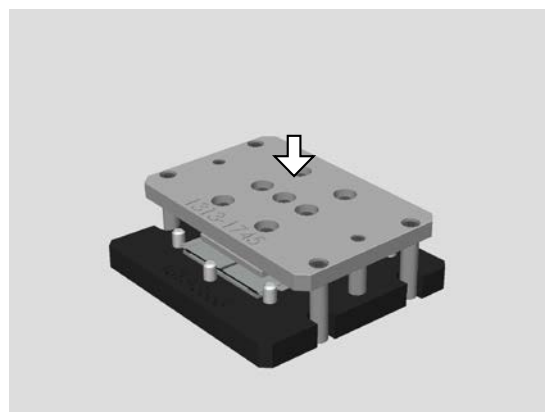


Reassembly

Insert the the Press Battery Inlay on the Batery assy.



Press the Battery assy by the Press tool.

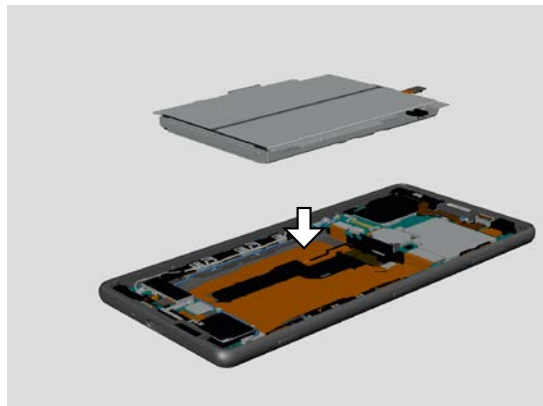


Affix the Sheet Plate Battery Bottom on the Plate Battery Sub Assy. Right : not beyond yellow dotted line

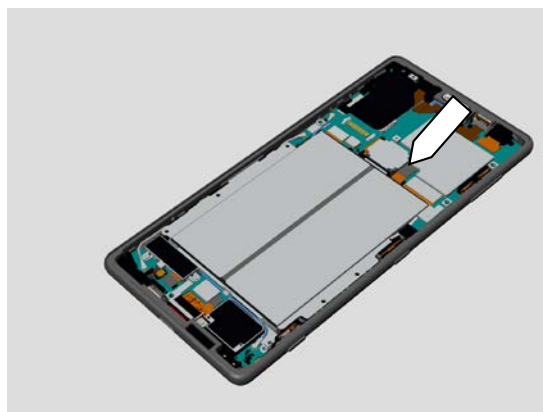


Reassembly

Install the Battery Assy on the unit.

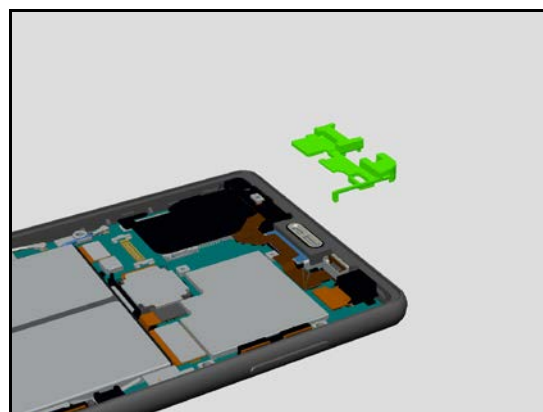


Connect the Battery B to B on the Main PBA B to B.



5.20 Display

Install the Holder Top.



Thermal Gap Filler

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



Reassembly

Open the embedded Thermal Gap Filler instruction in attachment, 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.

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 1hour after filling.



RV089

Lot: 72H

Exp. date: 2017/11/22 (2-30 degree C)

Keep 90min for conditioning after
taking out from refrigerator.

KANEKA CORPORATION

24h



Reassembly

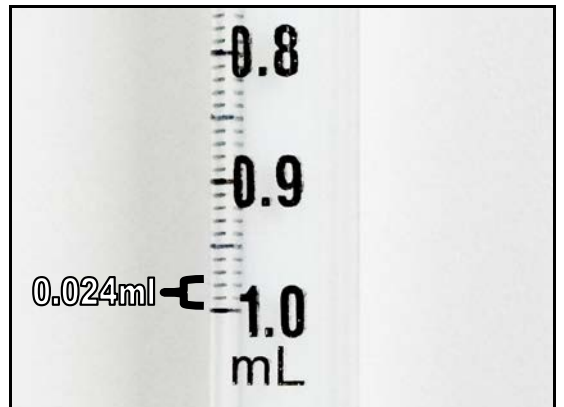
Make sure the contents reach up to the tip of the syringe and a small amount of the contents flows out as air is released.



Wipe off the tip before using.

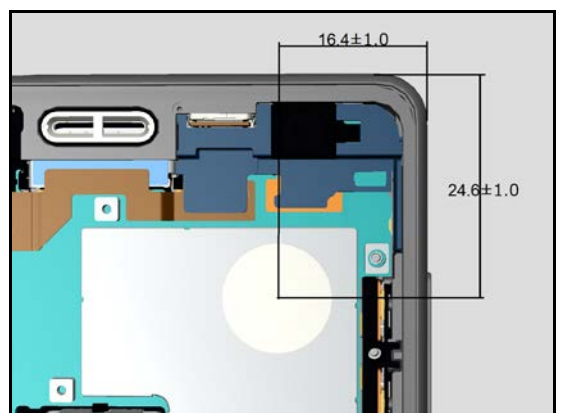


Applying volume for one unit is 0.041 ml.



Carefully apply the Thermal Gap Filler to the position of the figure.

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



Reassembly

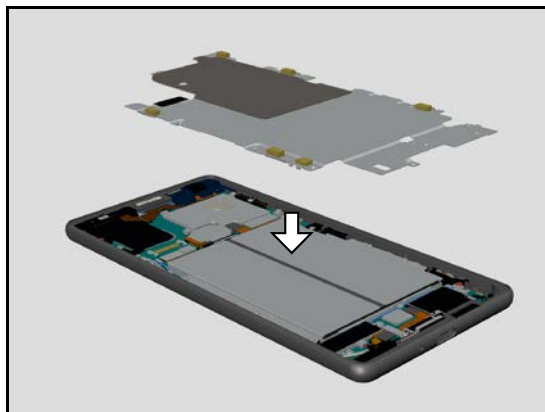
Wipe off the tip of the syringe until next repair.

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.



Install the Plate Display AI Sub assy on the unit.



Tighten Screw in order of the number of the right figure.

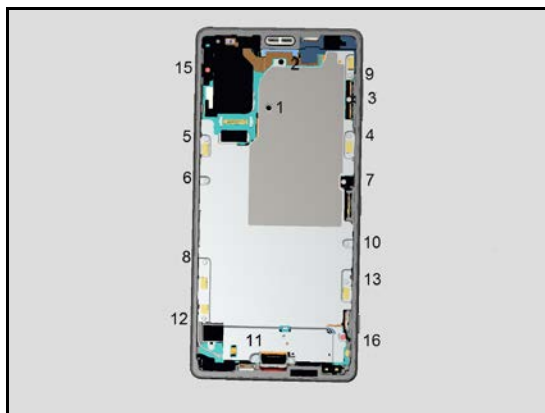
Screw M1.2*1.2 to number 1 and 2.

Screw M1.2*2.9 to number 15 and 16.

Screw M1.2x3.3 to other numbers..

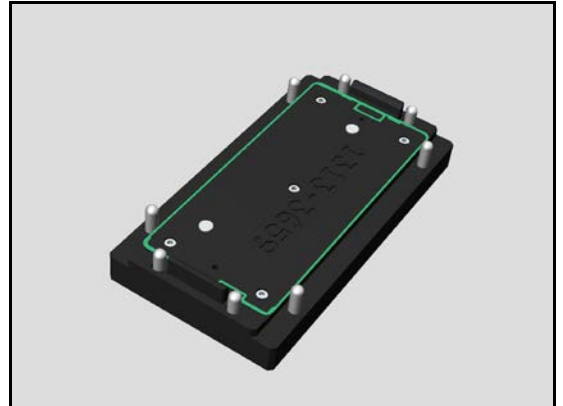
All screw tighten by using a screwdriver with Bits (JCIS No 0).

Torque : 7Ncm



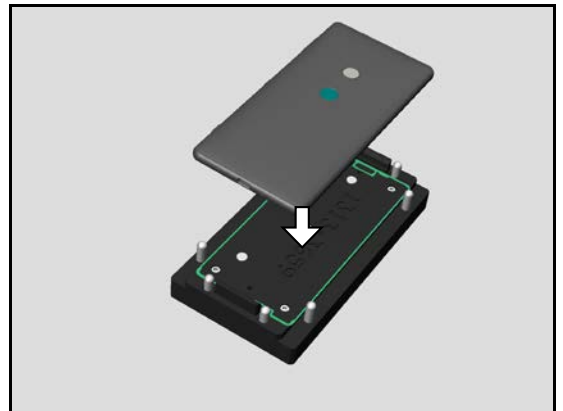
Reassembly

Place the Adhesive WR Display on the Positioning Tool for Adhesive WR Display.



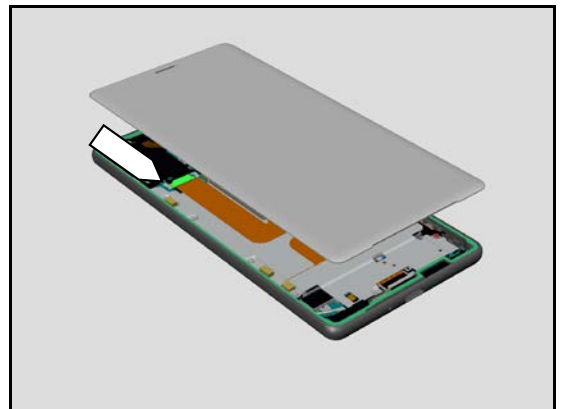
Affix the Adhesive WR Display on the unit with the Positioning Tool for Adhesive WR Display.

Note! Make sure correct direction.

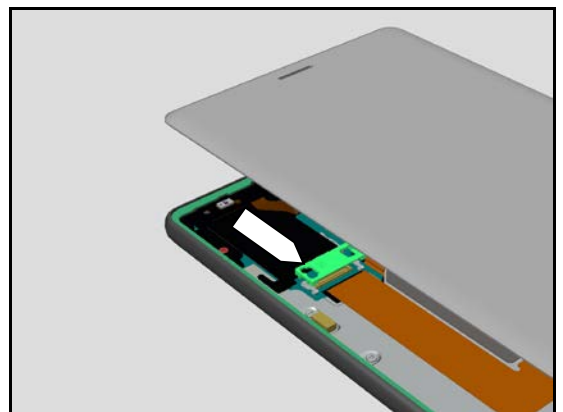


Connect the Display Assy B to B to the unit.

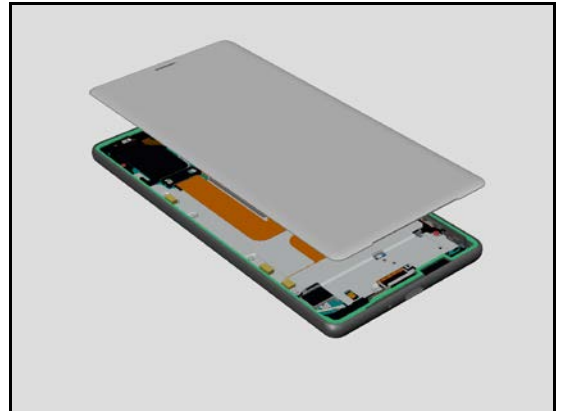
Note! Don't touch the Adhesive WR Display.



Install the Holder LCD BtB on the unit.



Install the Display Assy on the unit.

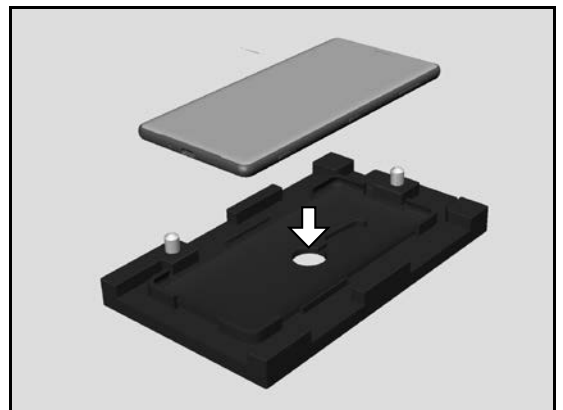


5.21 Cap Tray Assy

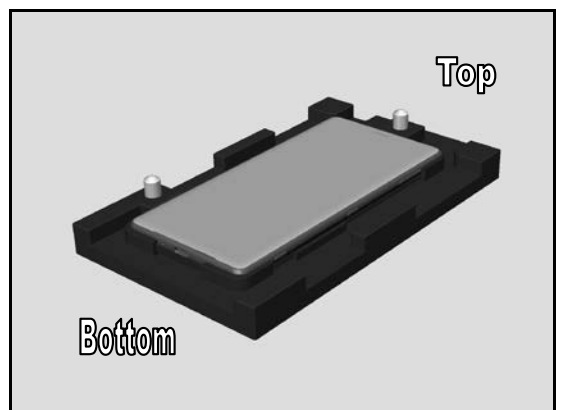
Insert the Cap Combo Sub Assy to the unit



Place the unit on the Press Rubber Inlay Bottom side.

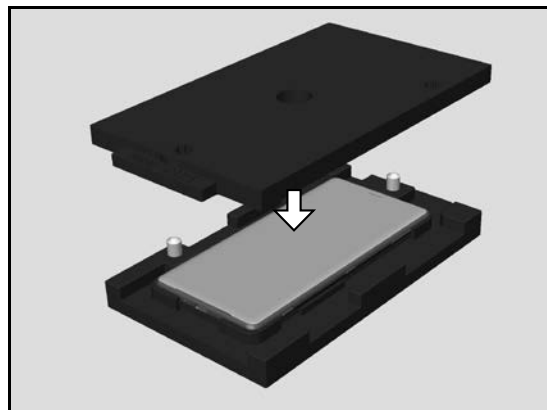


Note! Make sure the unit is placed on the correct position as shown.

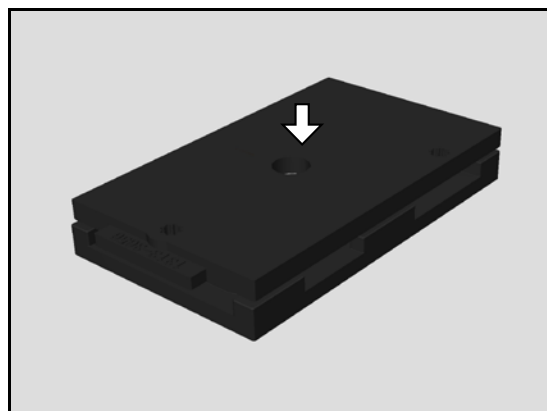


Reassembly

Place the unit on the Press Rubber Inlay Top side.



Press by fixture.

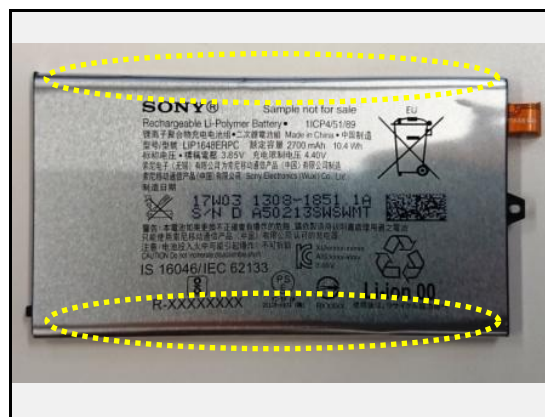


6 Battery Reuse Instruction

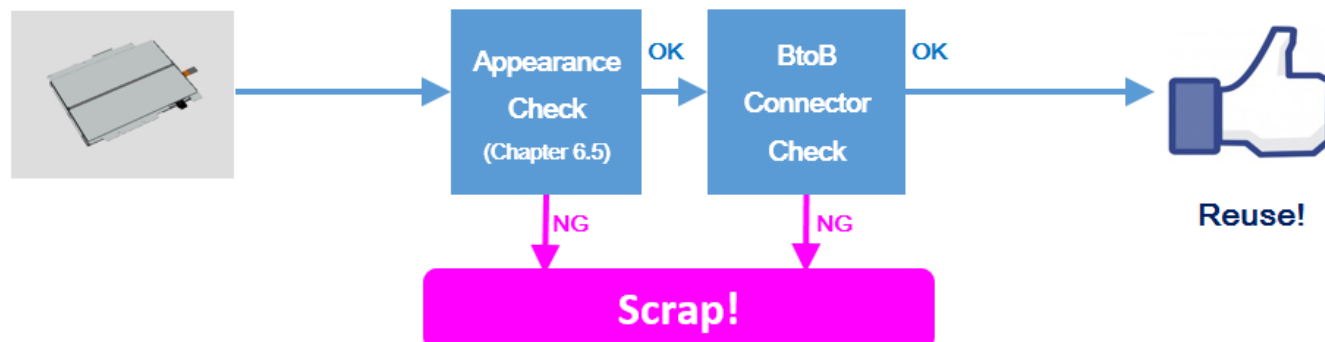
**If you intend to reuse the Battery, carefully follow the Battery Reuse Instruction.
If it is failed, don't reuse the Battery, and scrap it.**

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 of the Battery (green circled portion).



6.2 Flow to Battery Reuse



Battery Reuse Instruction

6.3 Appearance Check

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 5mm	1 winkle per Al sheet
Mark	No mark is allowed.	
Bubble	Diameter \leq Φ 2mm	3 bubble per Al sheet
Dent	Diameter \leq Φ 2mm	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.	

Battery Reuse Instruction

Definition of Damages and Sample Picture

Wrinkle:

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



Mark:

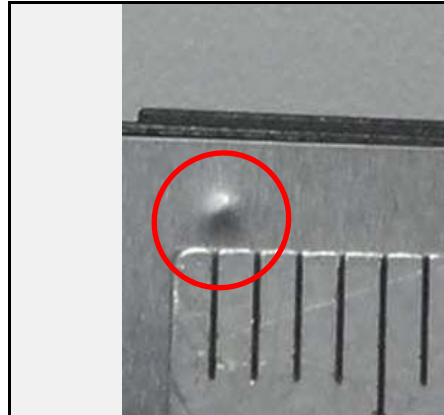
Surface is bulged as lined by foreign material is located between Al sheet and battery cell housing.



Battery Reuse Instruction

Bubble:

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

**Dent:**

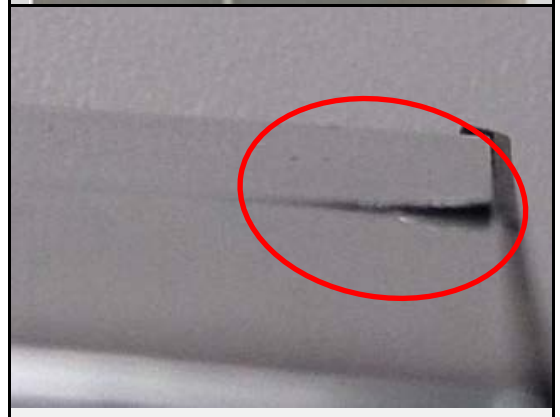
It is caused that is stuck by sharp pointed objects.

**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.



6.4 BtoB Connector Check

Check if BtoB connector has damages.

If any damages is on the BtoB connector, do not reuse, and scrap the Battery.



7 Revision History

Rev.	Date	Changes / Comments
1	2018-Mar-9	Initial release
2	2018-Mar-16	Page. 7 Part number correction 11. Press Tool for Bending Camera FPC(1313-5945)