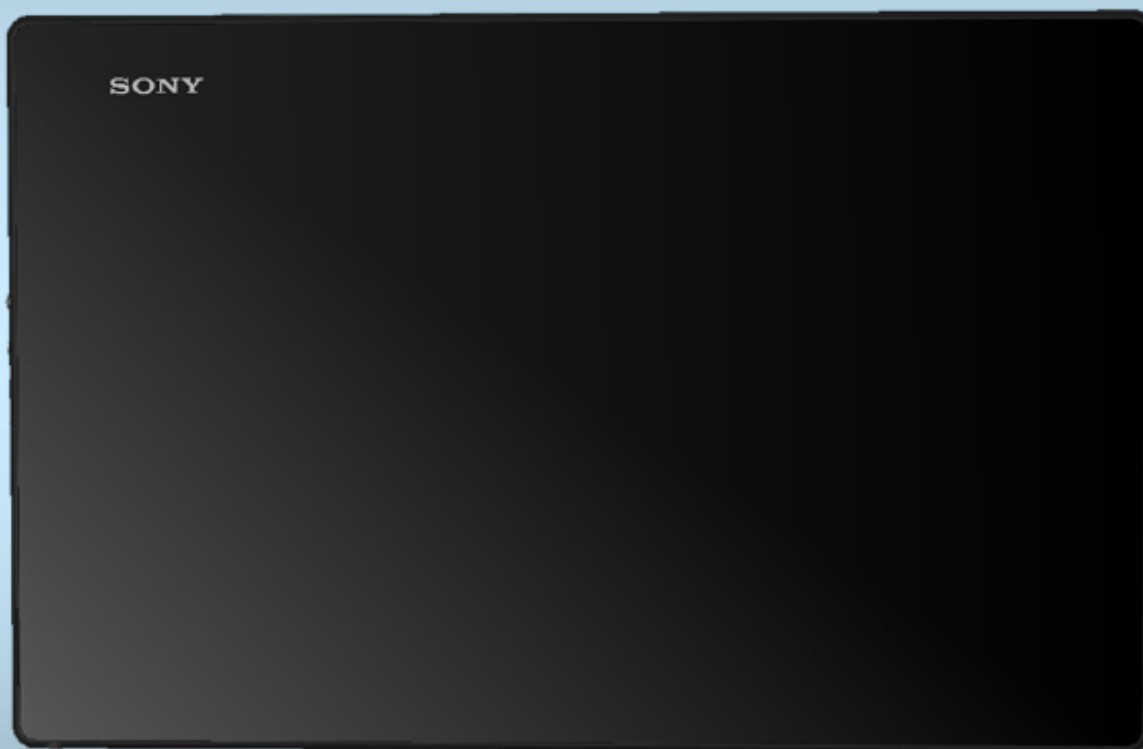


## Working Instructions

- mechanical -



*Xperia™ Z4 Tablet*  
*SGP712, SGP771*

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# SONY

## *Working Instructions (mech)*

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# SONY

## *Working Instructions (mech)*

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# SONY

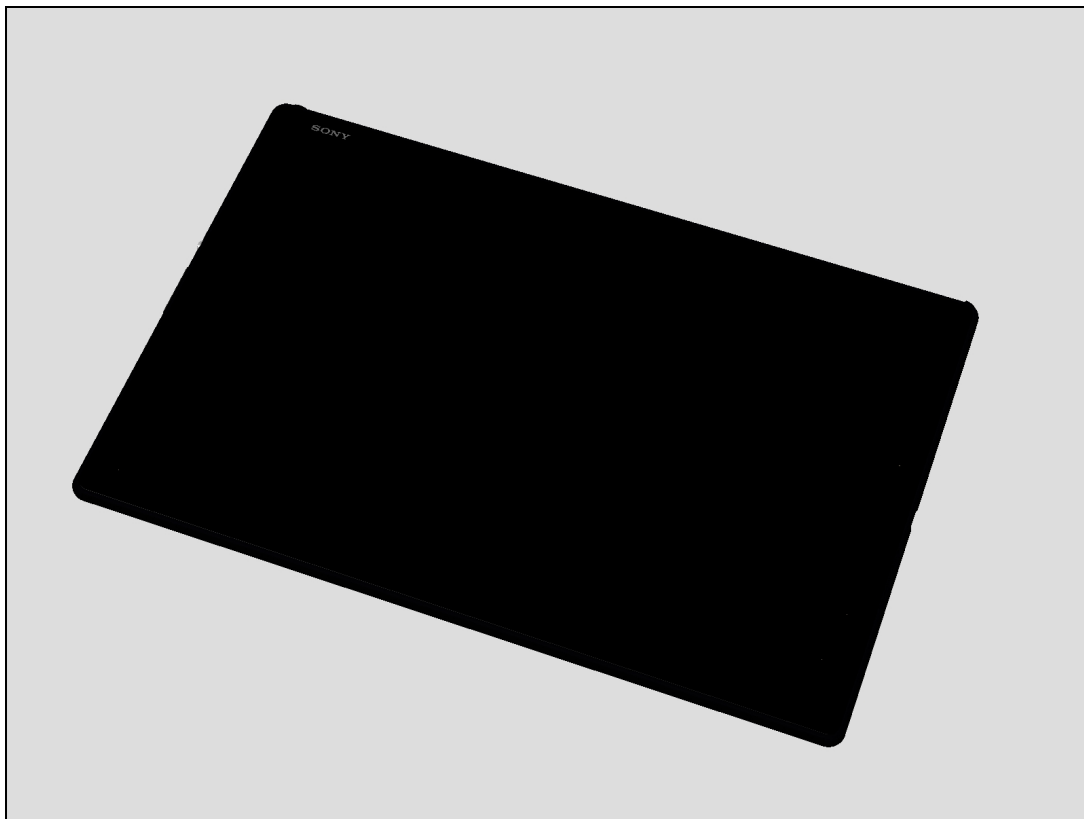
## *Working Instructions (mech)*

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

## 1 Exterior Views

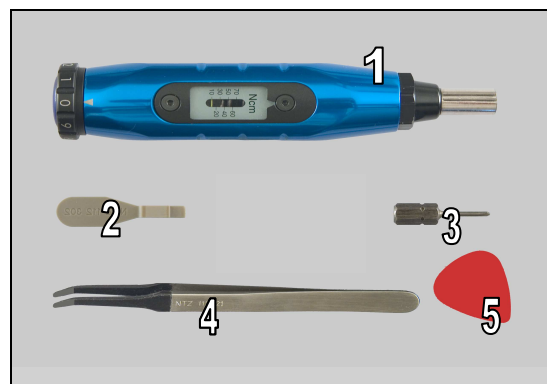
### 1.1 SGP712, SGP771



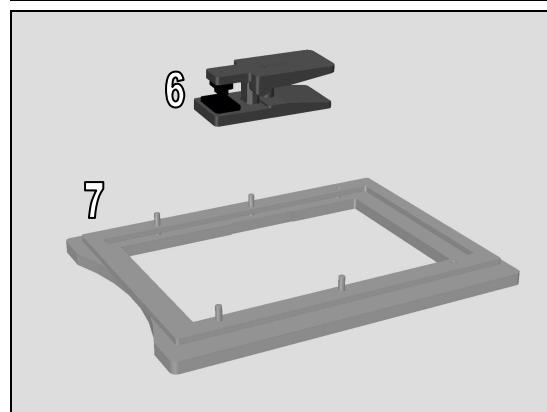
## 2 Tools

### SPECIAL TOOLS

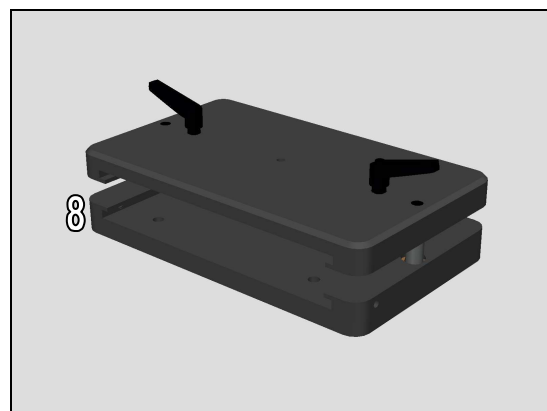
1. Torque Screwdriver 2-30Ncm (1233-2284)
2. Front Opening Tool (NTZ 112 302/2)
3. Bits (JCIS No 0) (NTZ 112 1052)
4. Flex Film Assembly Tool (NTZ 112 521)
5. Guitar Pick (NTZ 112 590)



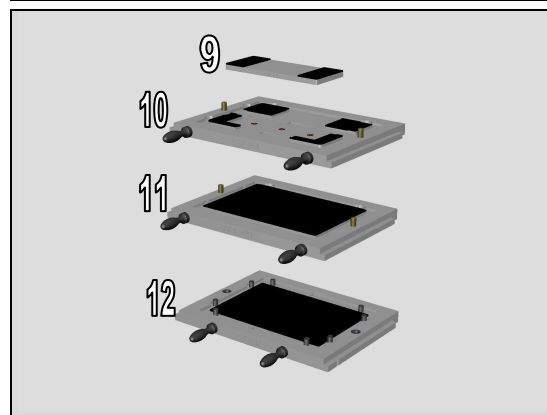
6. Press Tool Loudspeaker (1270-0323)
7. Display Adhesive Alignment Fixture (1294-9220)



8. Generic fixture for Presstool (1273-4413)

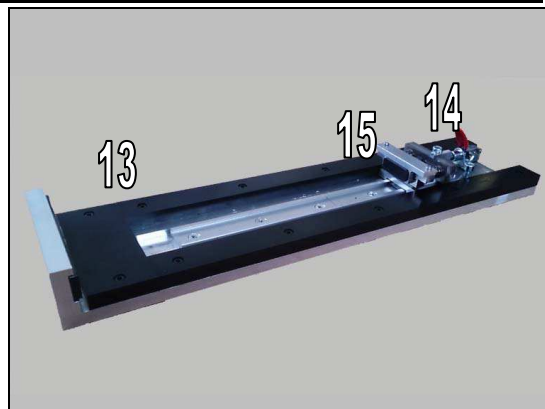


9. Battery Press Top Inlay (1294-9219)
10. Display Press Top Inlay Corners (1294-9218)
11. Display Press Top Inlay Edges (1294-9217)
12. Bottom Press Inlay (1294-9216)

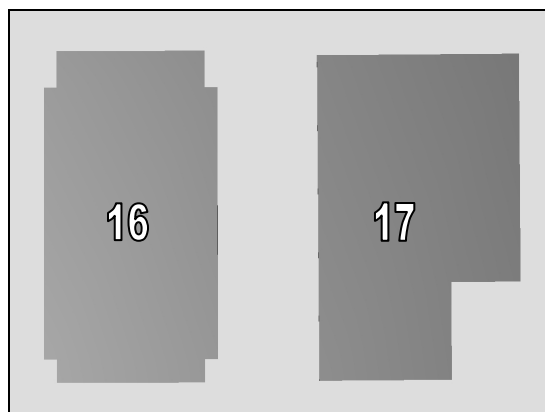


## Tools

- 13. Side Panel press (1273-4412)
- 14. Side Panel Press Head (1273-5343)
- 15. Side Panel Press Pad (1280-9248)

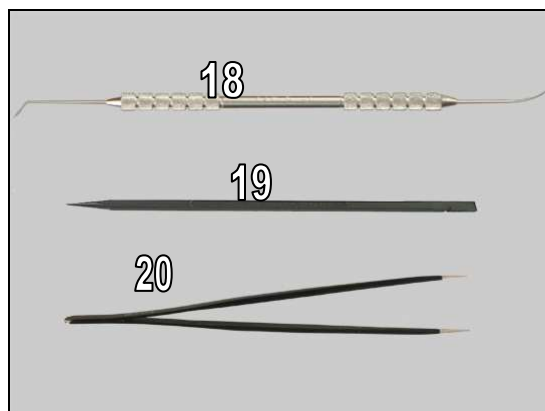


- 16. Display Disassembly Sheet A (1295-5578)
- 17. Display Disassembly Sheet B (1295-5580)

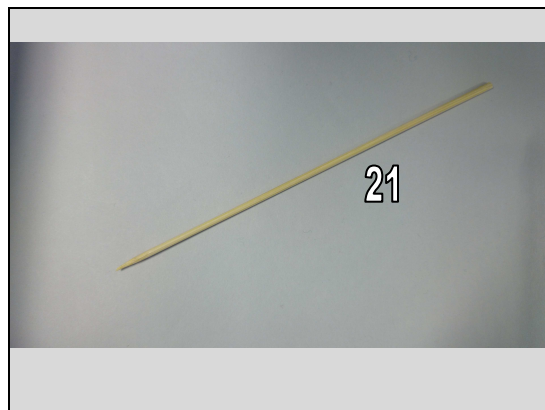


### STANDARD TOOLS

- 18. Dentist Hook
- 19. Nylon Pointer
- 20. Tweezers



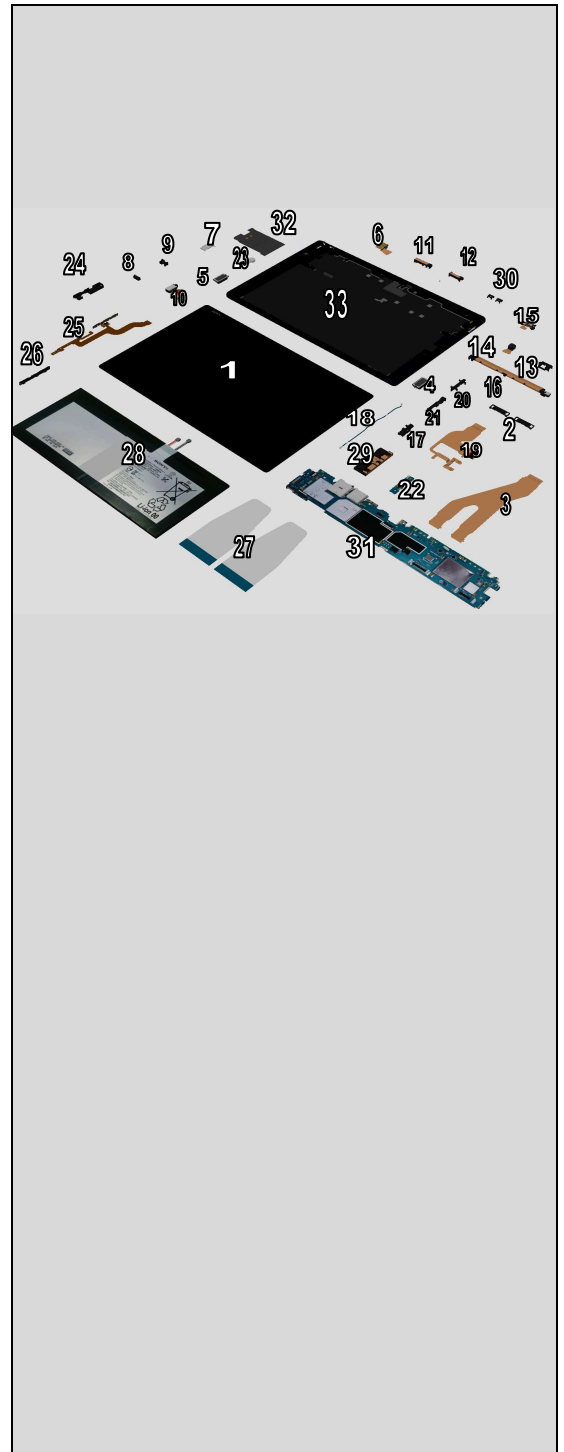
- 21. Bamboo Skewer



## 3 Disassembly

The disassembly is done in the following order:

1. Display Assembly
2. Holder LCD Relay BtB
3. FPC Assembly Relay LCD
4. Speaker Assy (R)
5. Speaker Assy (L)
6. Camera Main 8MPixel
7. Plate Audio Jack
8. Holder AU Jack
9. Holder AU Jack Grommet
10. FPC Assembly Audio Jack
11. Antenna WL Main
12. Antenna WL Sub
13. Frame Sub Camera
14. Camera Chat 5MPixel
15. FPC Assembly Sensor
16. Antenna Main
17. Holder Co Axial
18. Cable RF Coax
19. FPC Assembly Relay USB
20. Holder USB Top
21. Holder USB Bottom
22. Sub PBA
23. Vibrator
24. Holder Key Sub Assembly
25. FPC Assembly Rely Key
26. Holder FPC Key
27. Adhesive Battery
28. Battery 6000.0 mAh
29. Antenna Sub
30. Holder PBA
31. Main PBA
32. Antenna NFC
33. Frame Main Assembly



## Disassembly

### 3.1 Display Assembly

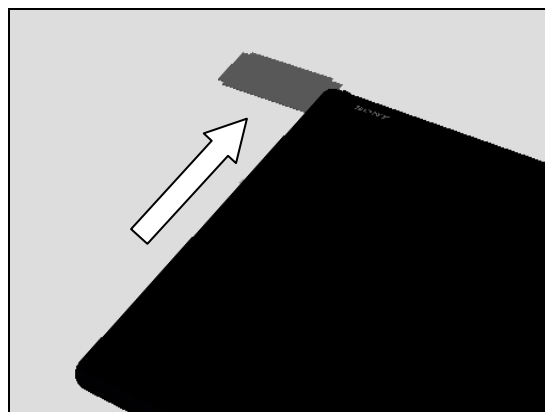
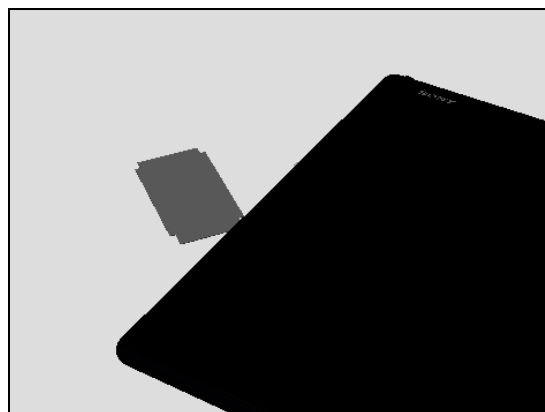
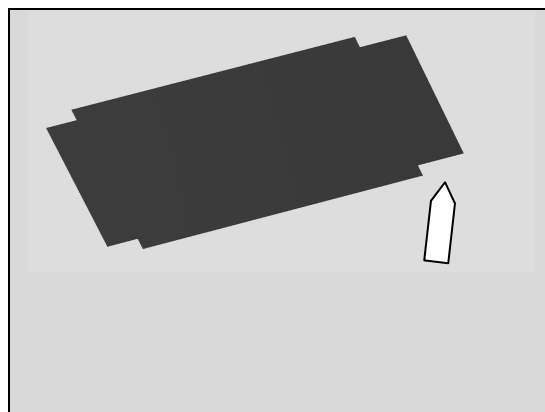
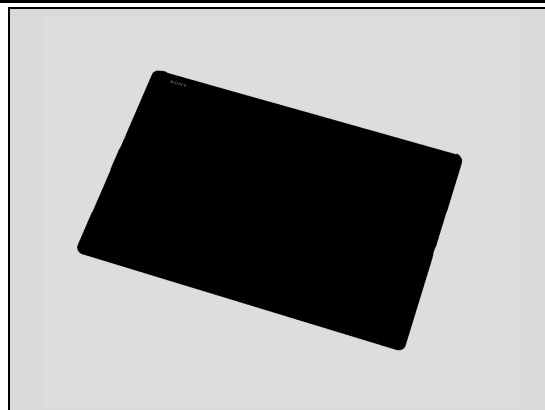
**Warning!** Use ESD Gloves with rubber and Safety Glasses when disassembly Display Assembly.

Use Display Disassembly Sheet A when disassembly Display Assy.

**Note!** Start by using the side that have longer target.

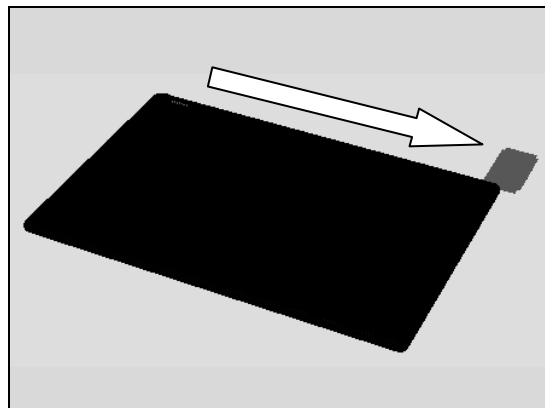
Insert Display Disassembly Sheet A at Left Channel speaker slit.

Gently slide Display Disassembly Sheet A along the left side.

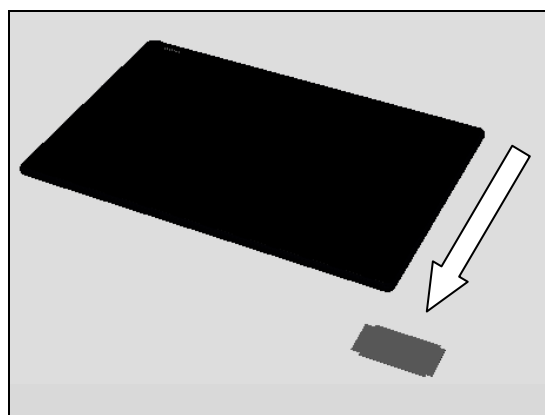


## Disassembly

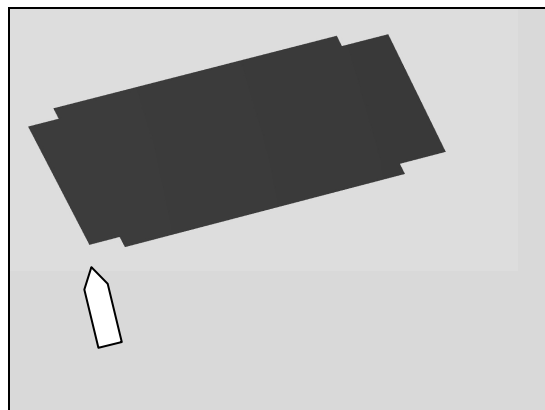
Gently slide Display Disassembly Sheet A along the top side.



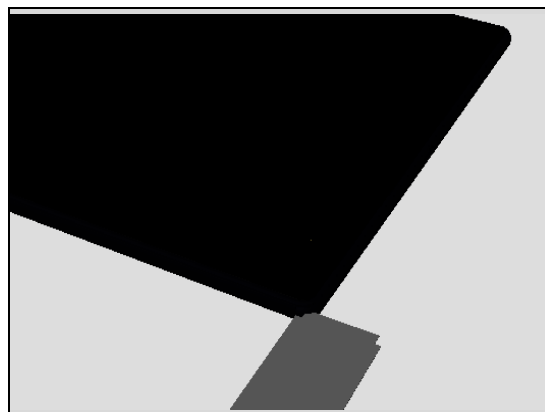
Gently slide Display Disassembly Sheet A along the right side.



Use short side of Display Disassembly Sheet A.

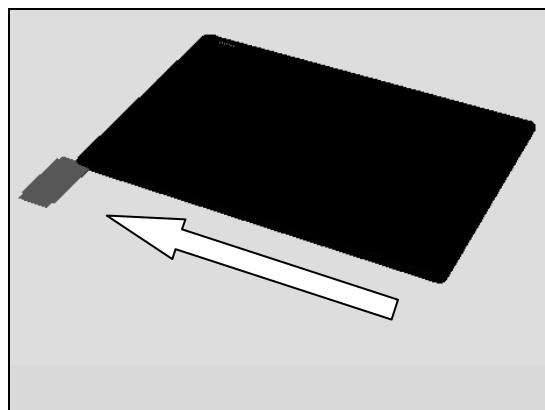


Insert Display Disassembly Sheet A at bottom right corner.

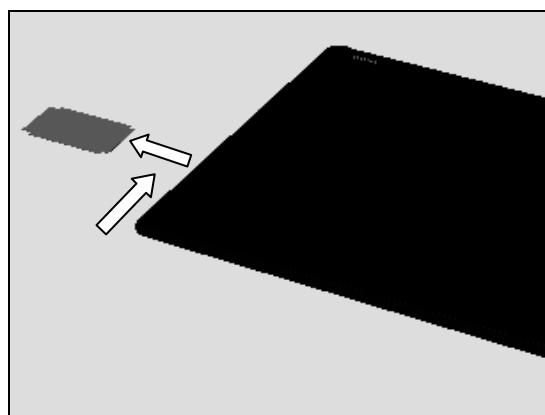


## Disassembly

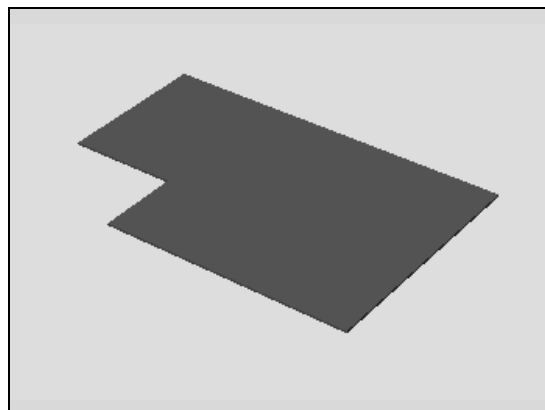
Gently slide Display Disassembly Sheet A along the bottom side.



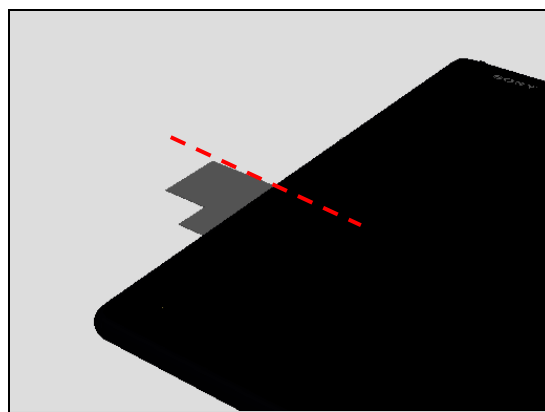
Gently slide Display Disassembly Sheet A along the left side till L-ch speaker slit and remove.



Use Display Disassembly Sheet B.



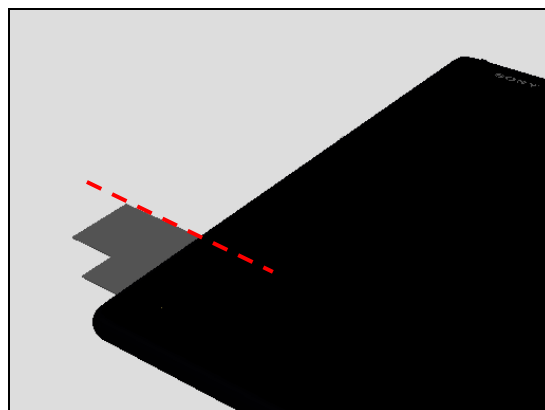
Insert and remove Display Disassembly Sheet B along with red dotted line (top side of Left Channel speaker slit) as shown in the picture.



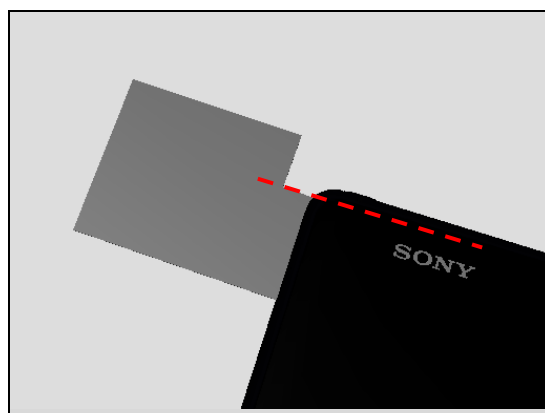


## Disassembly

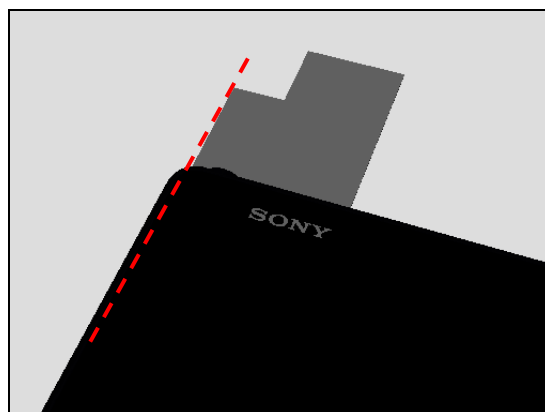
Insert and remove Display Disassembly Sheet B along with red dotted line (bottom side of Left channel speaker slit) as shown in the picture.



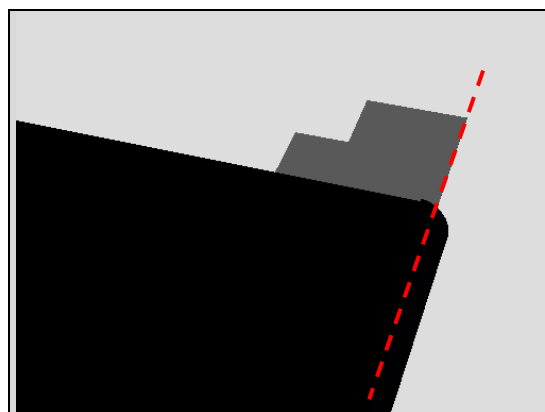
Insert and remove Display Disassembly Sheet B at left/top side along with red dotted line (top edge of LCD).



Insert and remove Display Disassembly Sheet B at top/left side along with red dotted line (left edge of LCD).

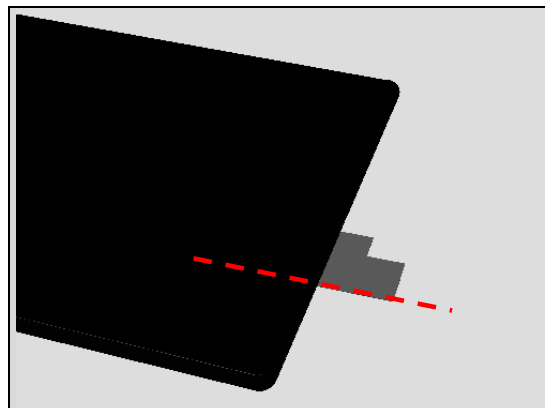


Insert and remove Display Disassembly Sheet B at top/right side along with red dotted line (top edge of LCD).

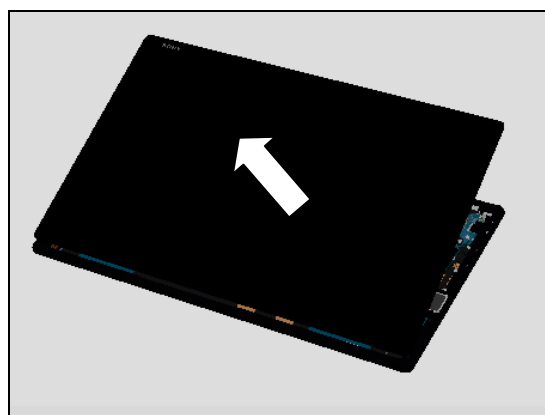


## Disassembly

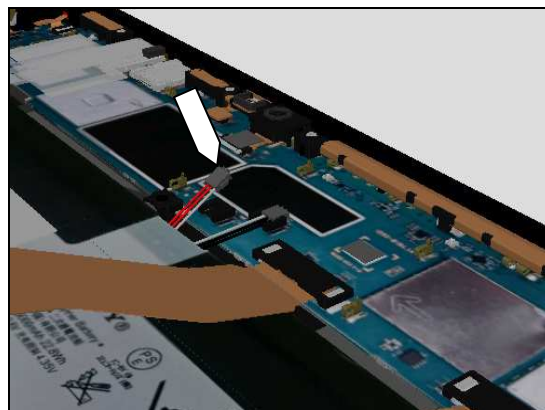
Insert and remove Display Disassembly Sheet B along with red dotted line (bottom side of Right Channel speaker slit) as shown in the picture.



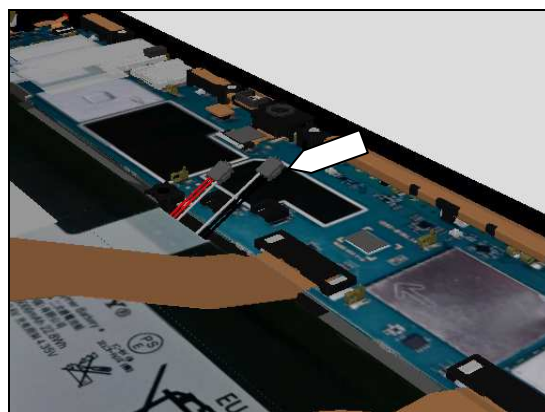
Open the Display Assy by hand in the direction of the arrow in the picture



Disconnect battery connector 2 to use Front Opening Tool.

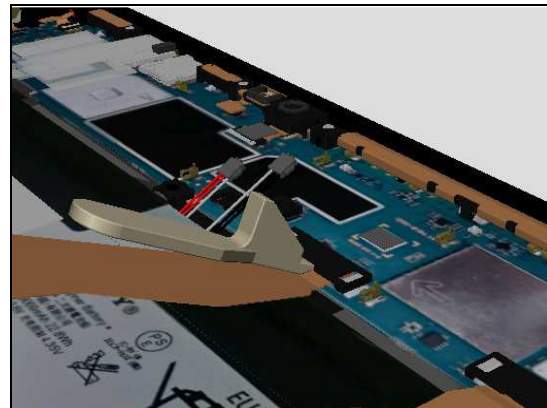


Disconnect battery connector 1 to use Front Opening Tool.

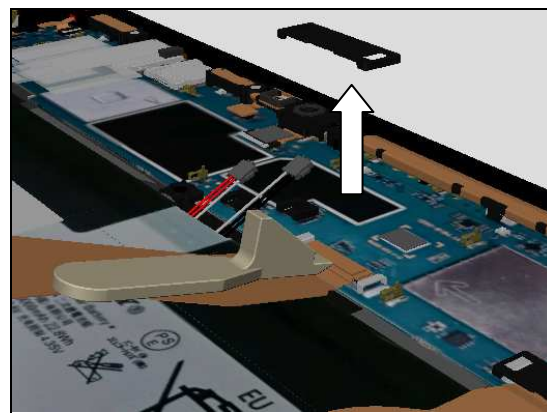


### 3.2 Holder LCD Relay BtB

Use Front Opening Tool to disconnect Holder LCD Relay BtB.



Remove Holder LCD Relay BtB with fingers.

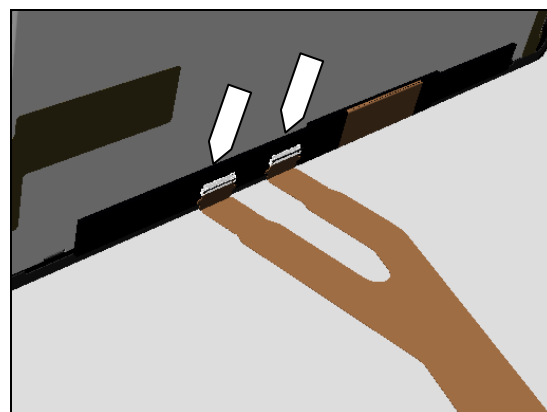


### 3.3 FPC Assembly Relay LCD

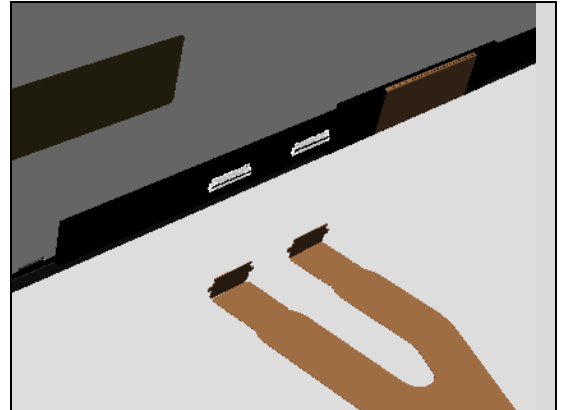
Use a Front Opening Tool to disconnect the BtB connector.



Use a Front Opening Tool to open the ZIF connector.

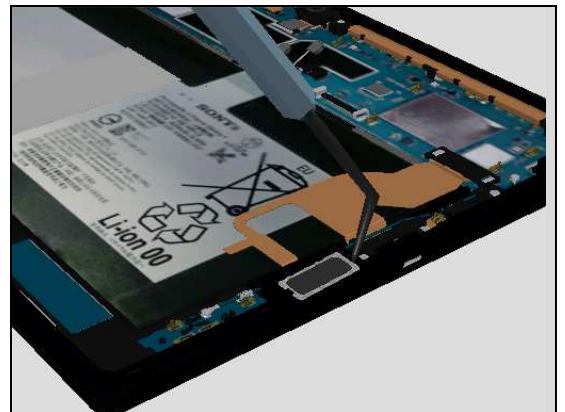


Remove FPC Assembly Relay LCD with fingers.

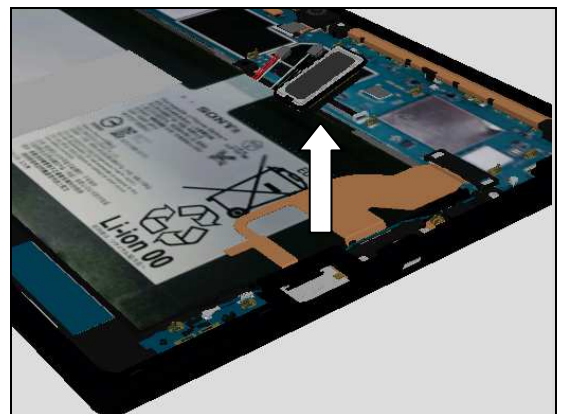


### 3.4 Speaker Assy (R)

Use a dentist hook to detach the Speaker Assy (R) from the main frame.

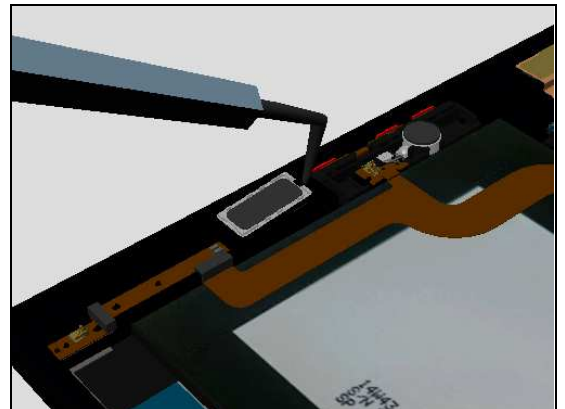


Remove the Speaker Assy (R) with fingers.

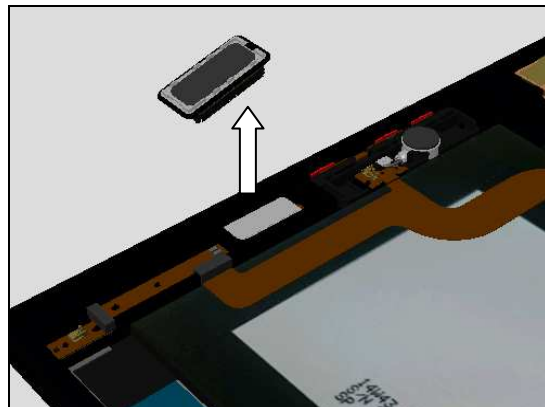


### 3.5 Speaker Assy (L)

Use a dentist hook to detach the Speaker Assy (L) from the main frame

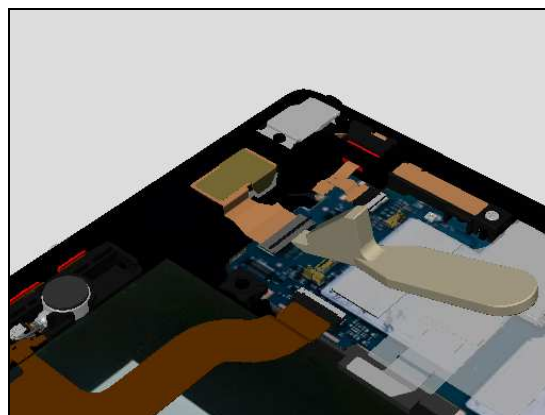


Remove the Speaker Assy (L) with fingers.

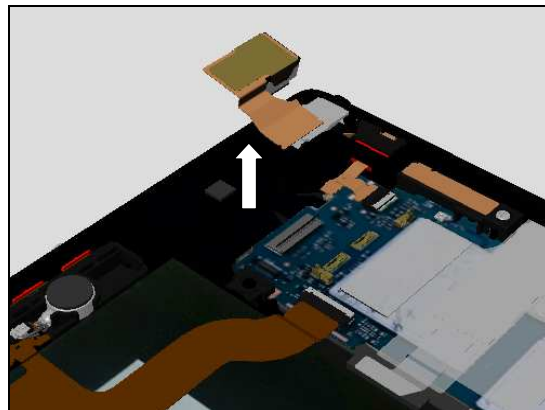


### 3.6 Camera Main 8MPixel

Use a Front Opening Tool to open the ZIF connector.

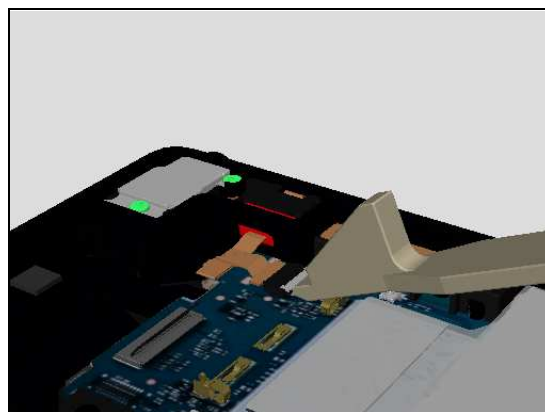


Remove Camera Main 8MPixel with fingers.



### 3.7 Plate Audio Jack

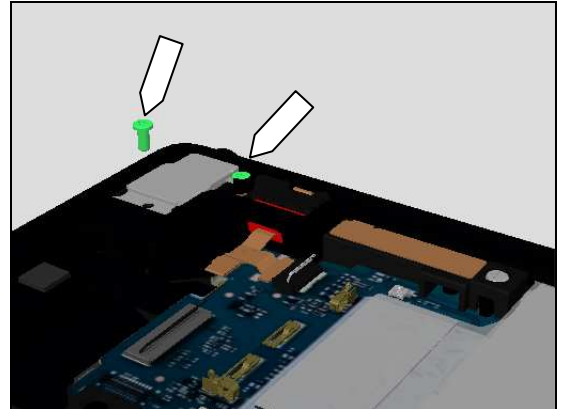
Use a Front Opening Tool to open the ZIF connector.



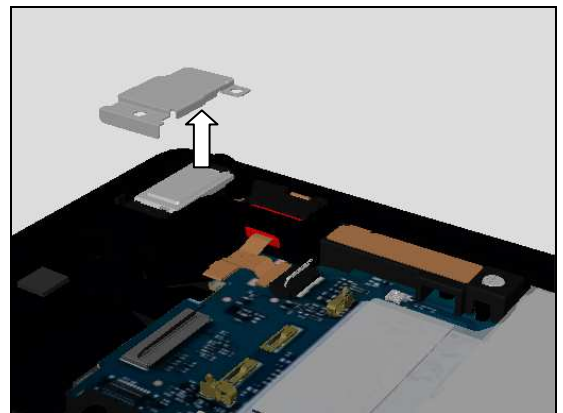
## Disassembly

Remove the Screw 1.4 x 3.0 by using a screwdriver with Bits (JCIS No 0).

**Scrap! Do not reuse!**

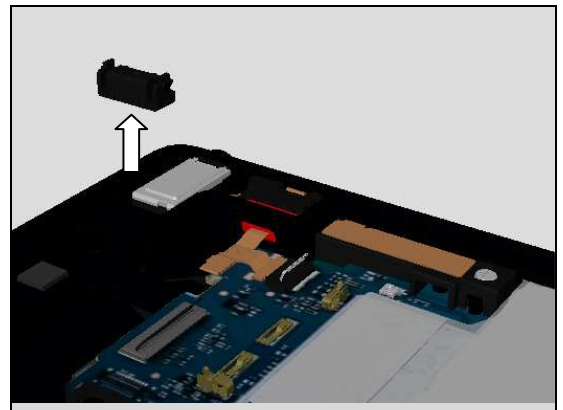


Remove Plate Audio Jack with tweezers.



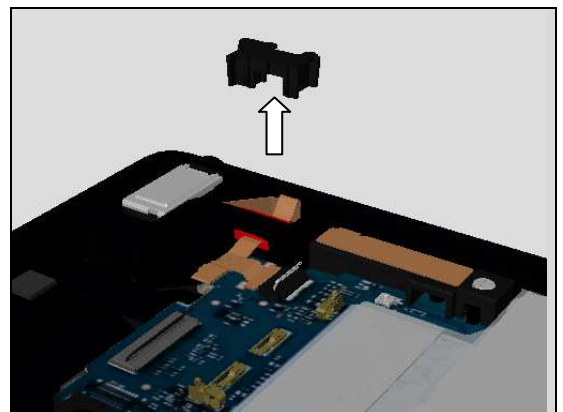
### 3.8 Holder AU Jack

Remove Holder AU Jack to use tweezers.



### 3.9 Holder AU Jack Grommet

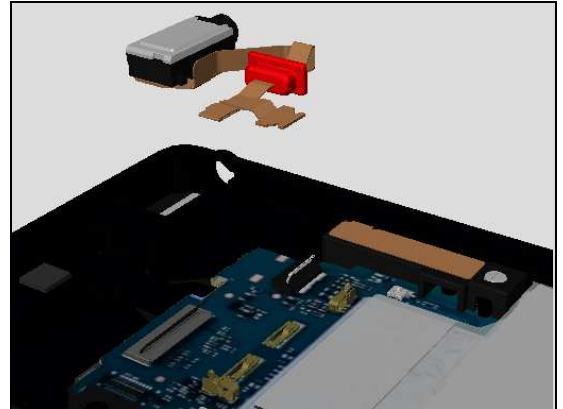
Remove Holder AU Jack using Tweezers.





### 3.10 FPC Assembly Audio Jack

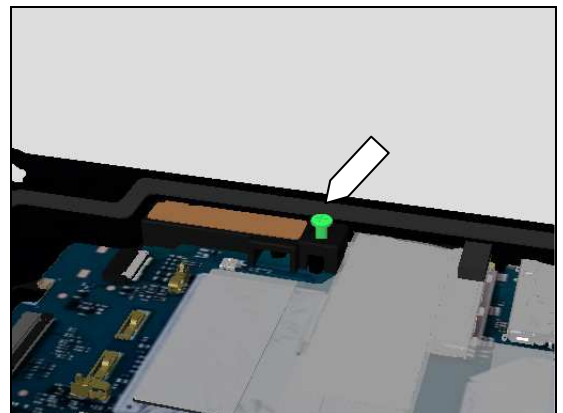
Remove FPC Assembly Audio Jack using Flex Film Assembly Too.



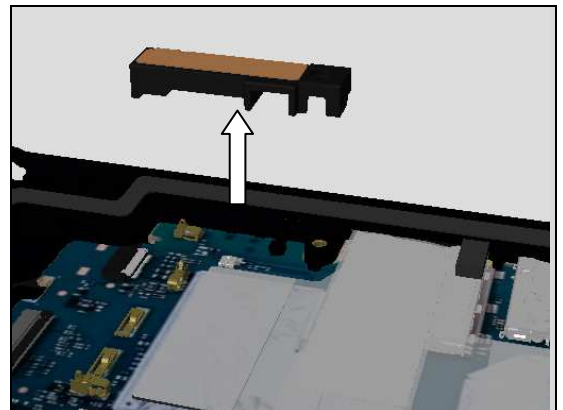
### 3.11 Antenna WL Main

Remove the Screw M1.4 x 3.0 by using a screwdriver with Bits (JCIS No 0).

**Scrap! Do not reuse!**



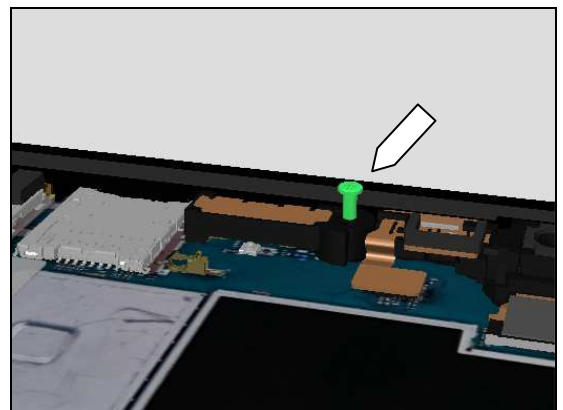
Remove Antenna WL Main with fingers.



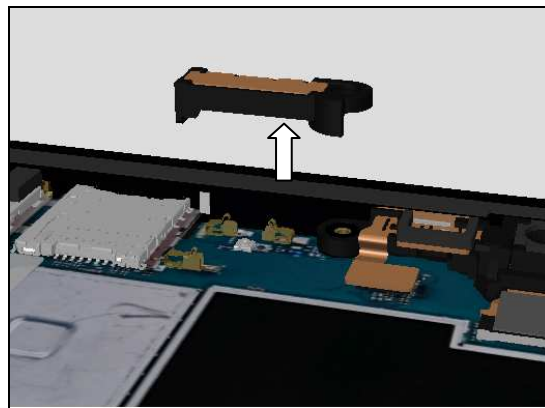
### 3.12 Antenna WL Sub

Remove the Screw M1.4 x 3.0 by using a screwdriver with Bits (JCIS No 0).

**Scrap! Do not reuse!**

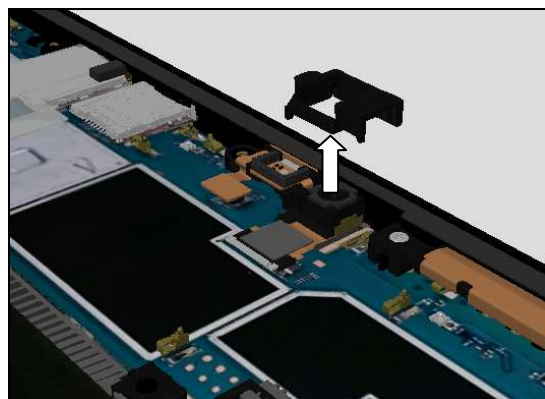


Remove Antenna WL Sub with fingers.



### 3.13 Frame Sub Camera

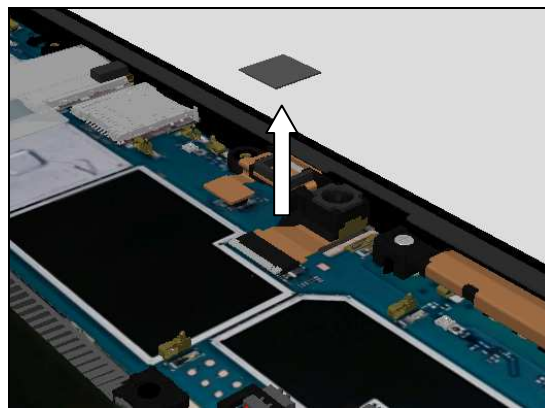
Remove Frame Sub Camera using Tweezers.



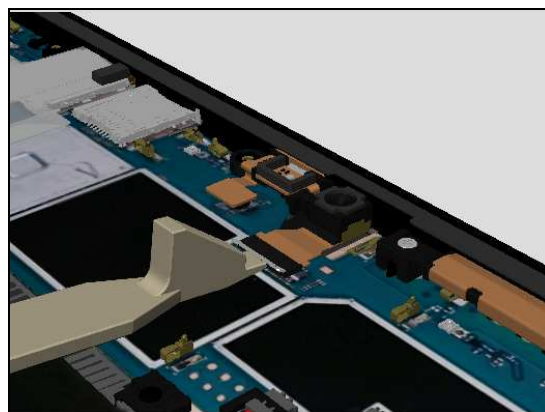
### 3.14 Camera Chat 5MPixel

Remove Sheet Chat CAM using Tweezers.

**Scrap! Do not reuse!**



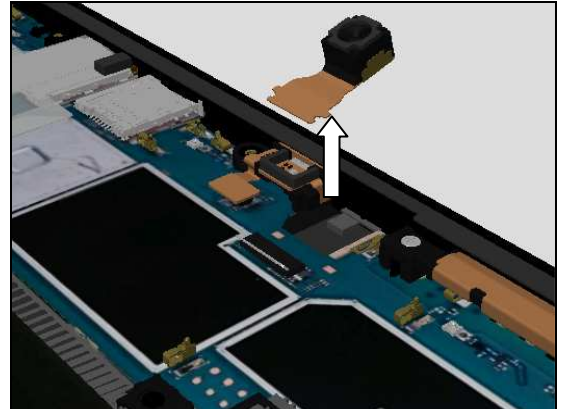
Use a Front Opening Tool to open the ZIF connector.





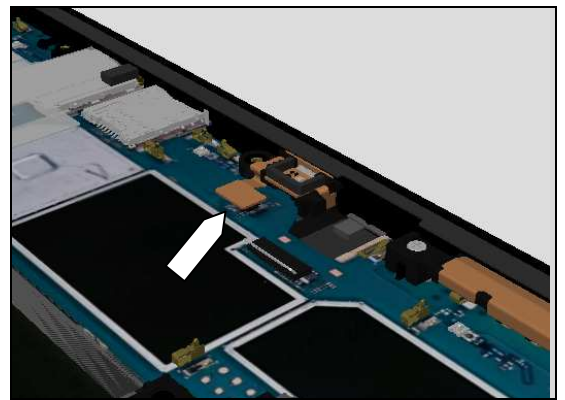
## Disassembly

Remove Camera Chat 5MPixel using Flex Film Assembly Tool.

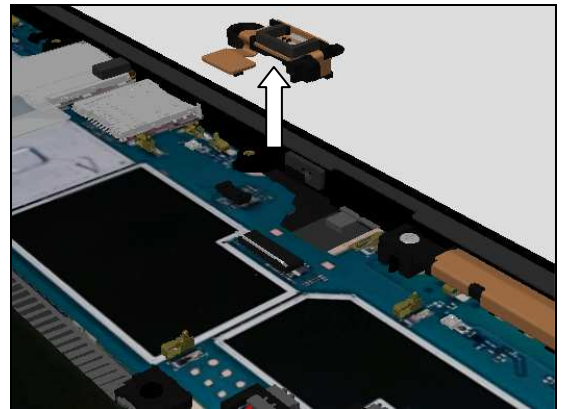


### 3.15 FPC Assembly Sensor

Use a Front Opening Tool to disconnect B to B connector.



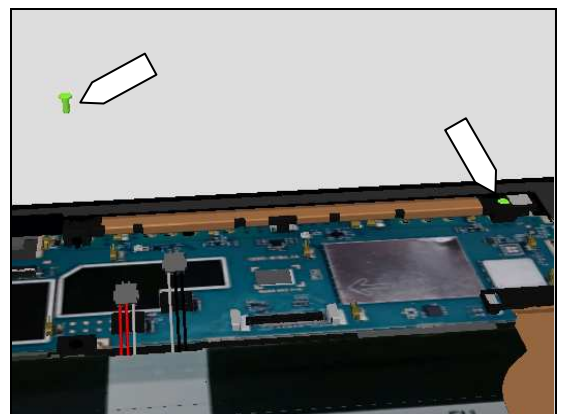
Remove FPC Assembly Sensor with fingers.



### 3.16 Antenna Main

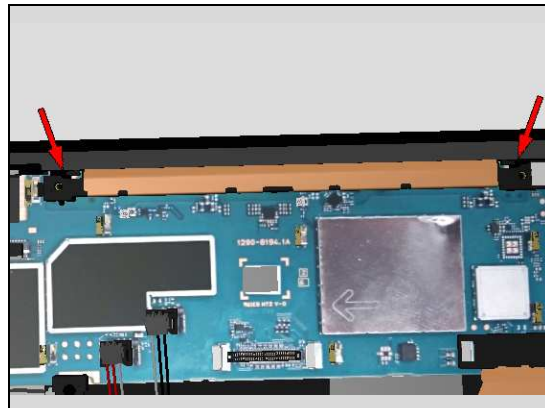
Remove the Screw M1.4 x 3.0 by using a screwdriver with Bits (JCIS No 0).

**Scrap! Do not reuse!**

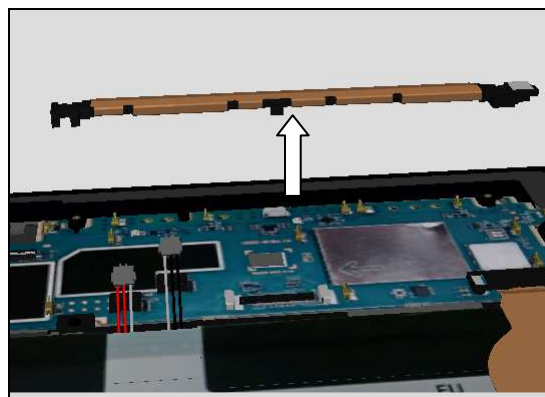


## Disassembly

Unlock the hooks where pointed by red arrow shown in the picture.



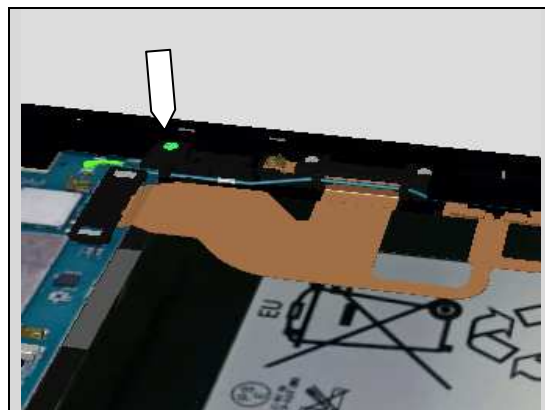
Remove Antenna Main with fingers.



### 3.17 Holder Co Axial

Remove the Screw M1.4 x 3.0 by using a screwdriver with Bits (JCIS No 0)

**Scrap! Do not reuse!**



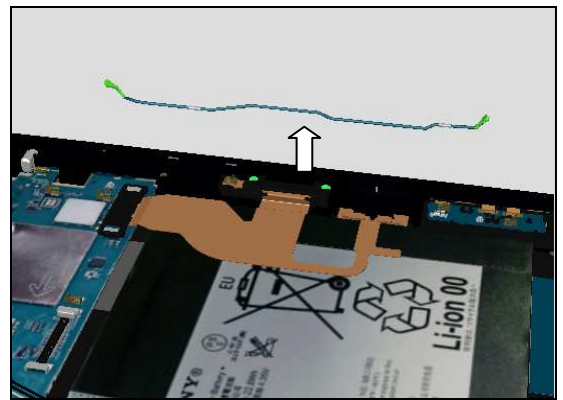
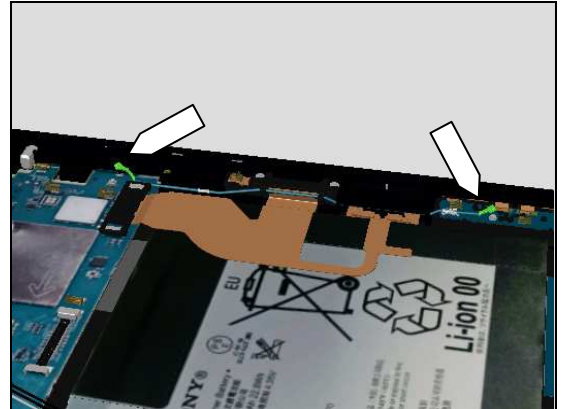
Remove Holder Co Axial with fingers.



### 3.18 Cable RF Coax

Disconnect the connectors of Cable RF Coax using Front Opening Tool.

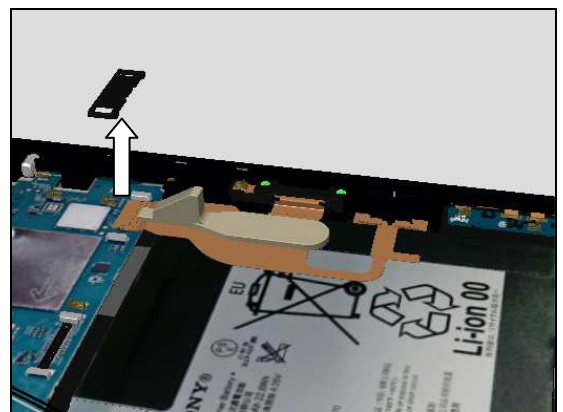
Remove Cable RF Coax with fingers.



### 3.19 FPC Assembly Relay USB

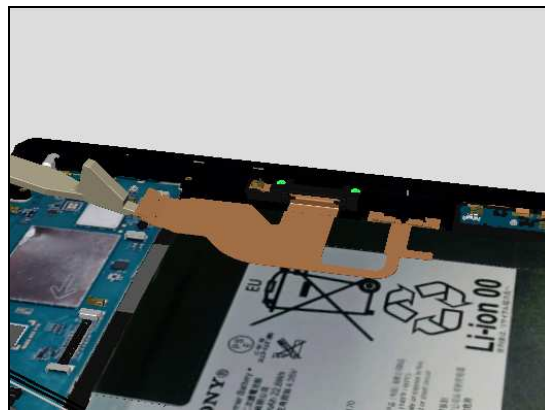
Use Front Opening Tool to disconnect Holder LCD Relay BtB.

Remove Holder LCD Relay BtB with fingers.



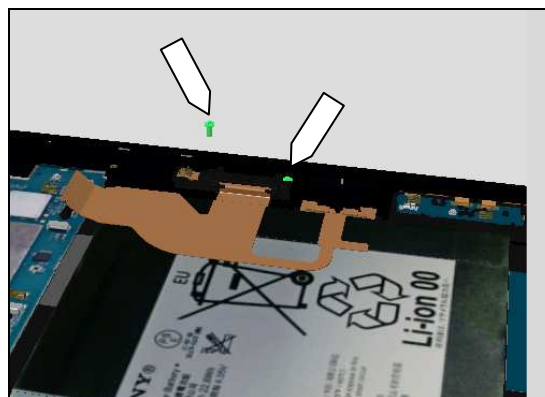
## Disassembly

Use a Front Opening Tool to disconnect the BtB connector.

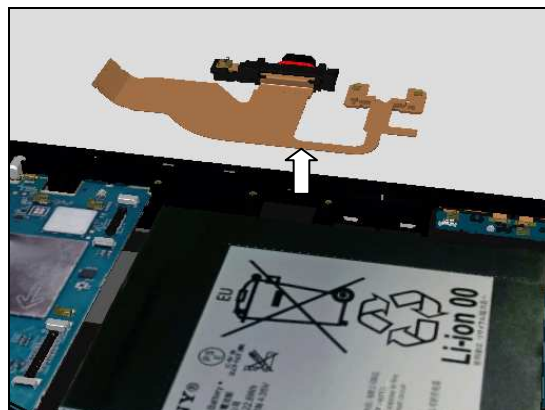


Remove the Screw M1.4 x 3.0 by using a screwdriver with Bits (JCIS No 0).

**Scrap! Do not reuse!**

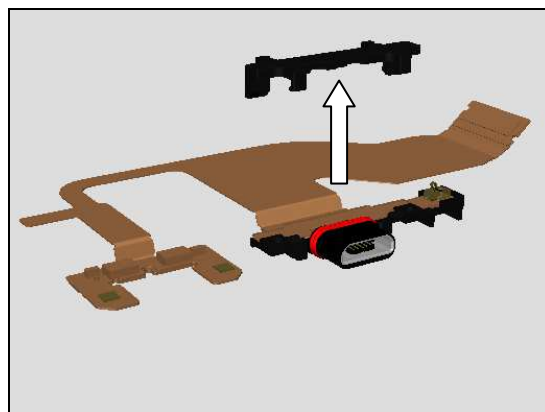


Remove FPC Assembly Relay USB using Flex Film Assembly Tool.



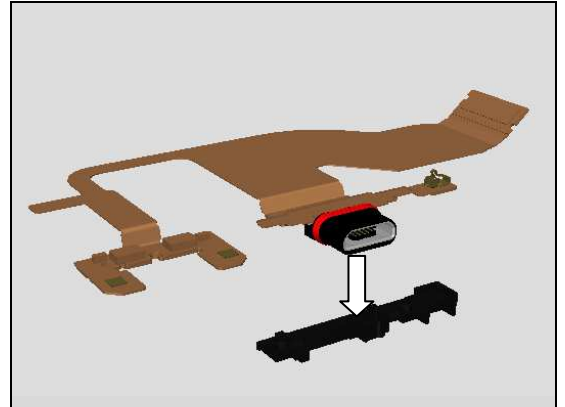
### 3.20 Holder USB Top

Remove Holder USB Top with fingers.



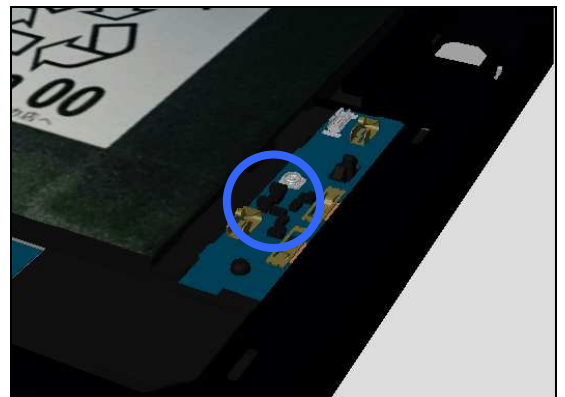
### 3.21 Holder USB Bottom

Remove Holder USB Bottom with fingers.

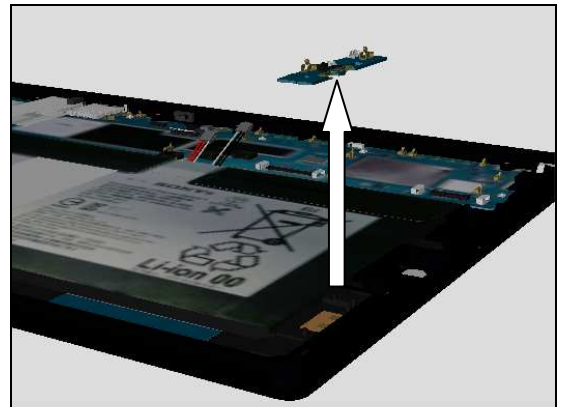


### 3.22 Sub PBA

Unlock the hook to pinch by tweezers.

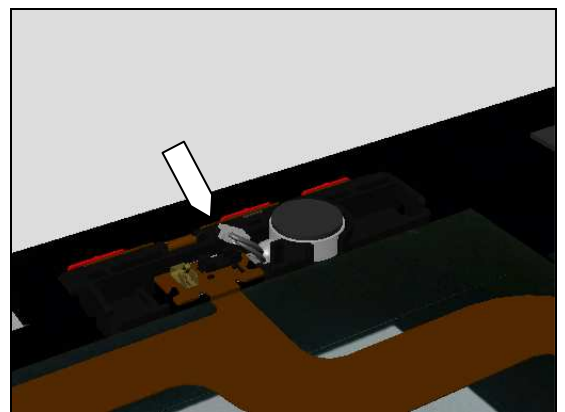


Remove Sub PBA with fingers.



### 3.23 Vibrator

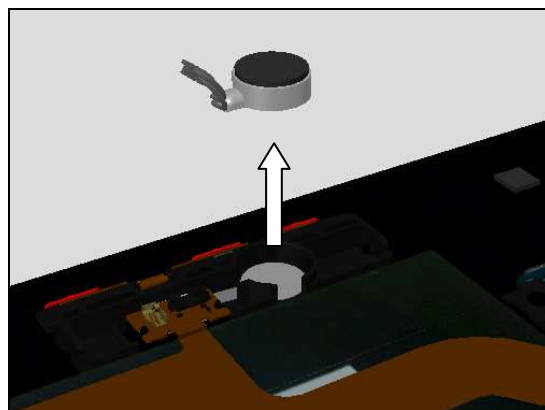
Disconnect vibrator connector using Front Opening Tool.





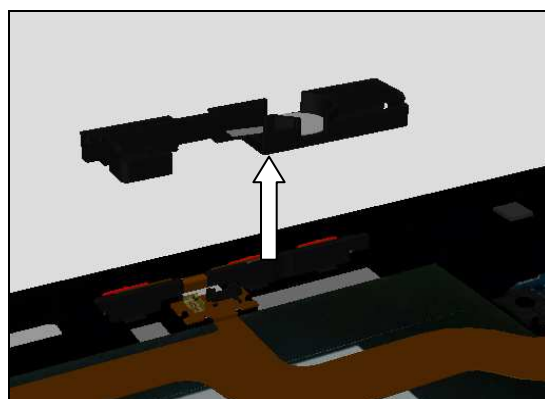
## Disassembly

Remove the Vibrator using tweezers.



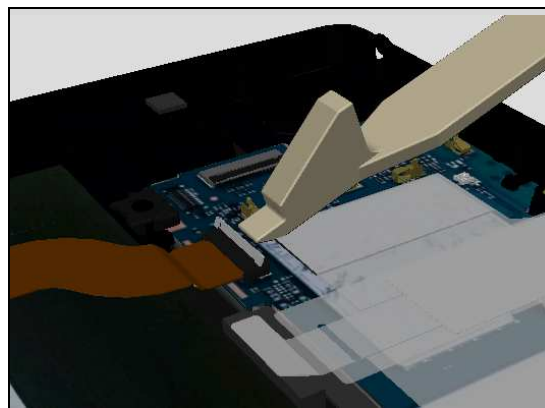
### 3.24 Holder Key Sub Assembly

Remove Holder Key Sub Assembly using tweezers.

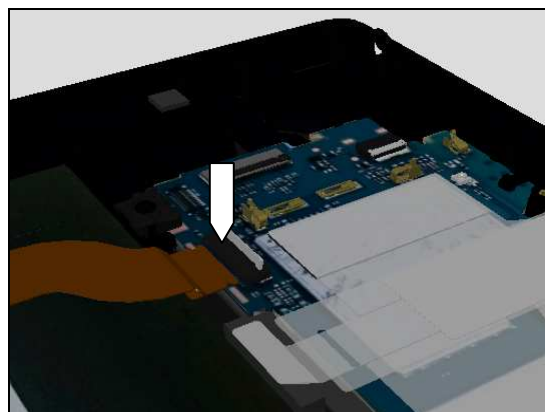


### 3.25 FPC Assembly Relay Key and Holder FPC Key

Use a Front Opening Tool to open the ZIF connector.

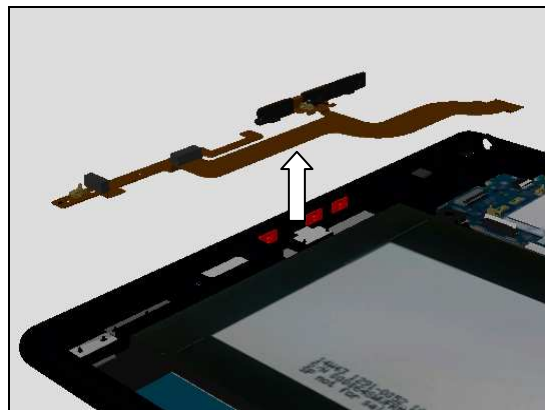


Disconnect FPC Assembly Relay Key using Flex Film Assembly Tool.

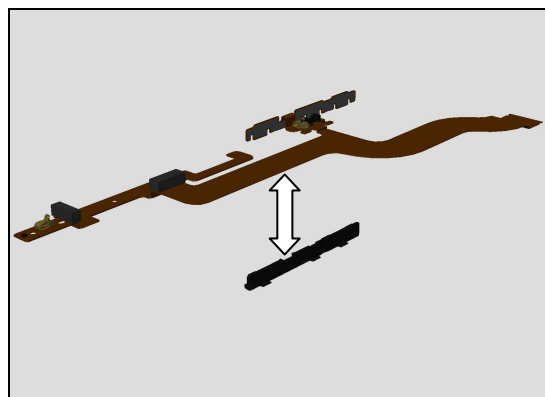


## Disassembly

Remove FPC Assembly Key Assy using Flex Film Assembly Tool.



Disassemble the Holder FPC Key and FPC Assembly Relay key.



## Disassembly

### 3.26 Adhesive Battery

Use your fingers to remove the Adhesive Battery one by one.

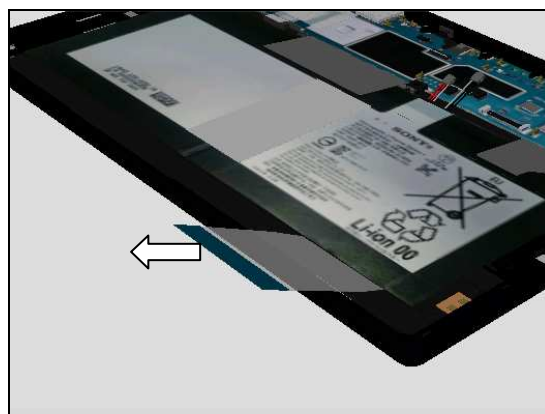
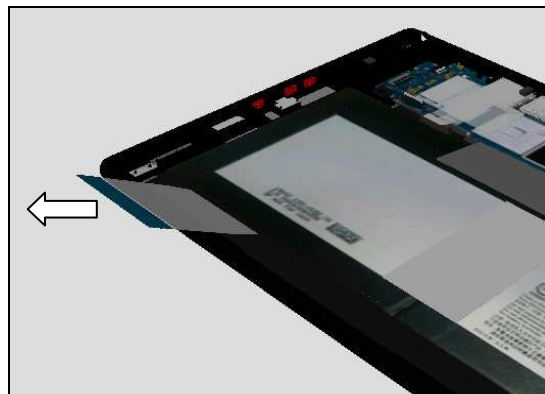
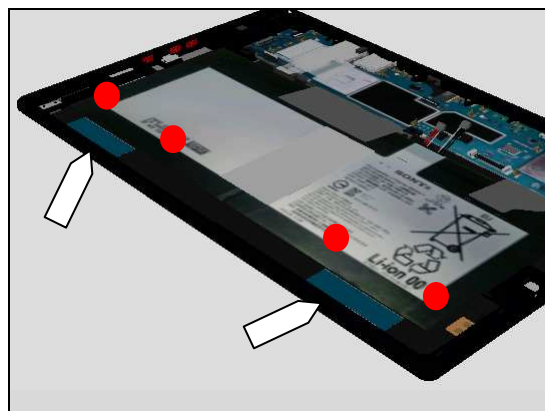
**Note!** Place fingers on the battery according to the red circles when pulling Adhesive Battery.

**Note!** Pull the tabs slowly in a horizontal direction. Recommended speed is about 1 cm/sec

**Scrap! Do not reuse!**

**Note!** Pull the tabs slowly in a horizontal direction. Recommended speed is about 1 cm/sec

**Scrap! Do not reuse!**





### 3.27 Battery 6000.0 mAh

Peel the Sheet Graphite PBA with fingers as shown in the picture.



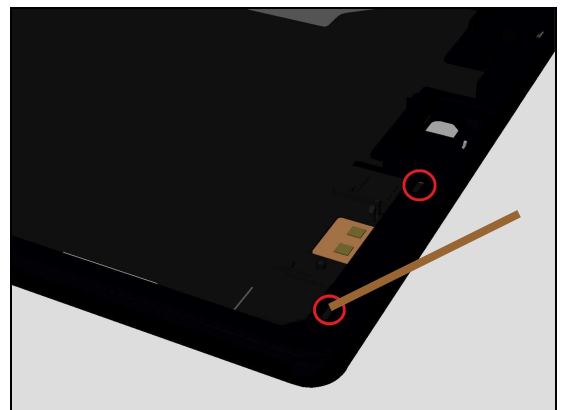
Remove Battery 6000.0 mAh with fingers.



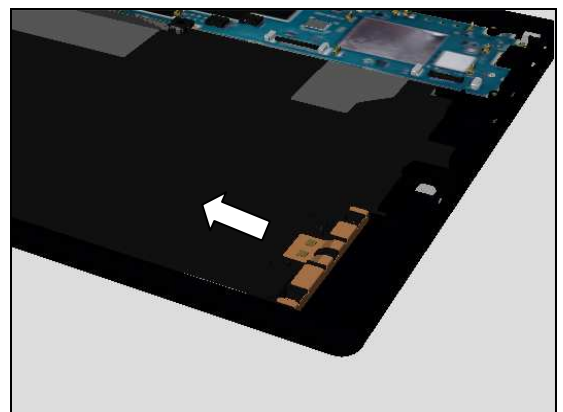
### 3.28 Antenna Sub

Insert Bamboo Skewer at red circled slots to unlock the hooks.

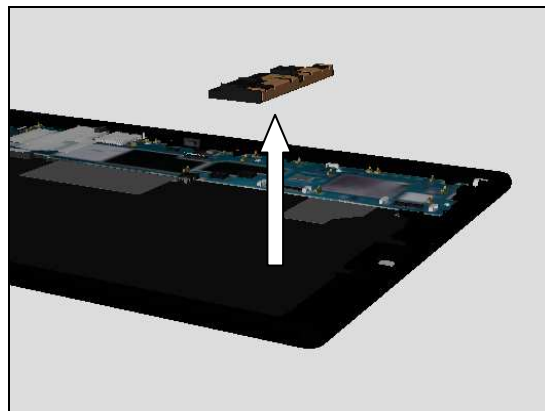
**Note!** Insert Bamboo Skewer about 0.2mm, and don't push too much. Otherwise hooks will be damaged.



Slide out the Antenna Sub along with arrow in the picture.



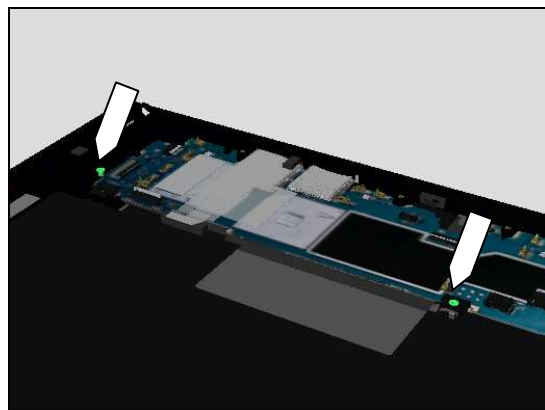
Remove Antenna Sub with fingers.



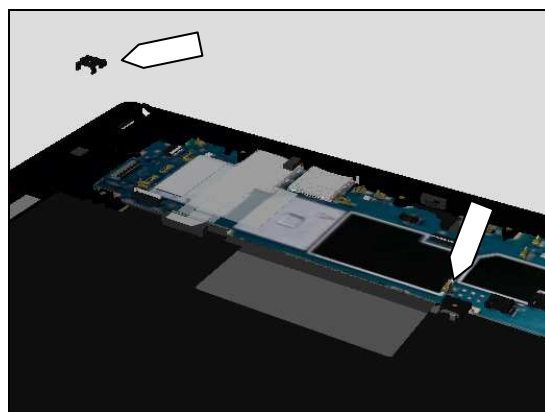
### 3.29 Holder PBA

Remove the Screw M1.4×1.8 by using a screwdriver with Bits (JCIS No 0).

**Scrap! Do not reuse!**

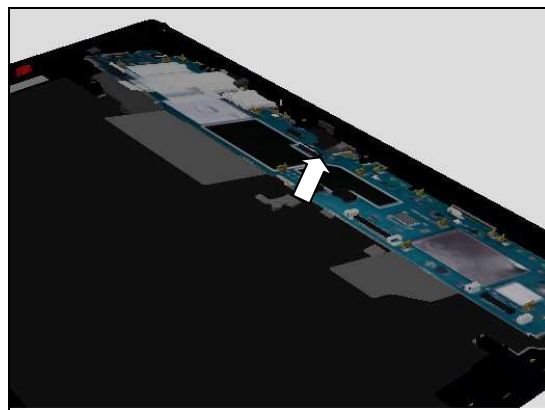


Remove Holder PBA using tweezers.

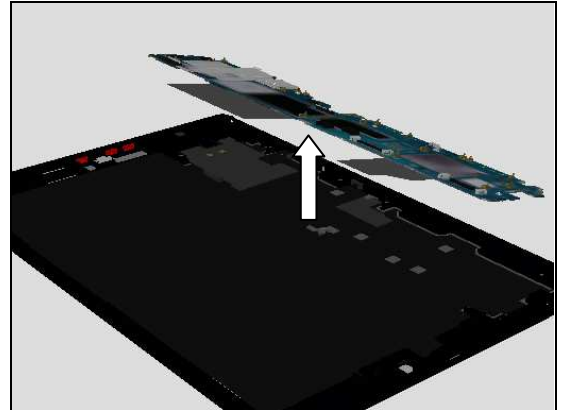


### 3.30 Main PBA

Tilt up Main PBA along with arrow as shown in the picture.

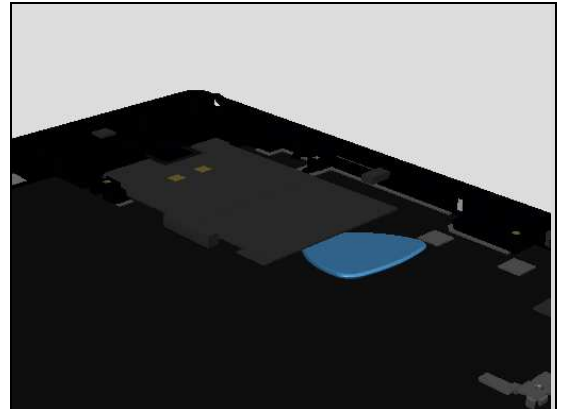


Remove Main PBA with fingers.



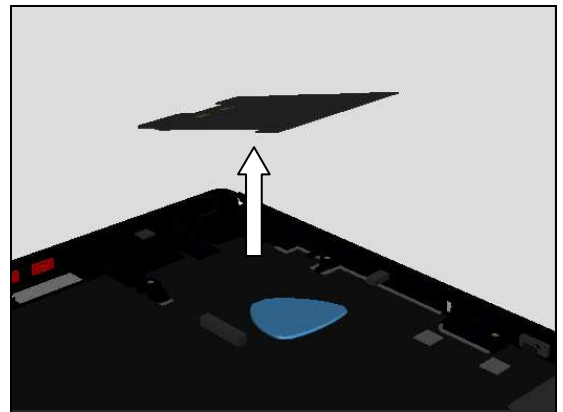
### 3.31 Antenna NFC

Peel off Antenna NFC using Guitar Pick.



Remove Antenna NFC with finger.

**Scrap! Do not reuse!**



## 4 Replacement

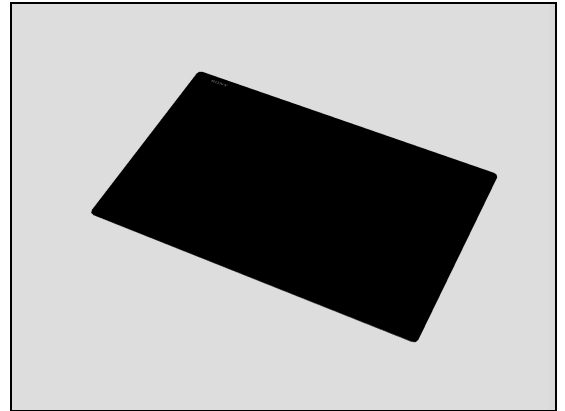
### 4.1 Display Assembly

*Follow the 3.1- 3.3 Disassembly instructions!*

Prepare the new Display Assembly.

**Note! If reuse of Display Assembly, follow 4.39 Removal Instruction.**

*Follow the 4.39 Installation Instructions, and 5.28 – 5.30 Reassembly instructions!*

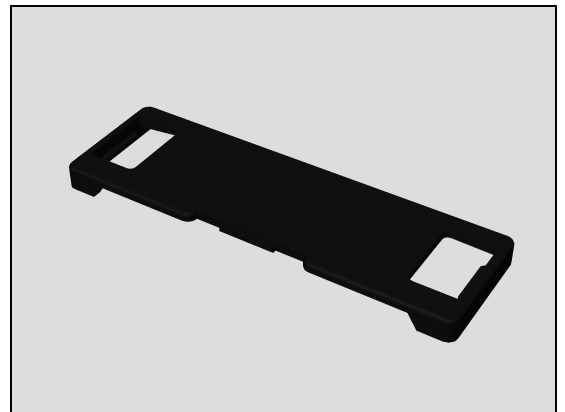


### 4.2 Holder LCD Relay BtB

*Follow the 3.1 and 3.2 Disassembly instructions!*

Prepare the new Holder LCD Relay BtB.

*Follow the 4.39 Replacement Instructions, and 5.29 and 5.30 Reassembly instructions!*

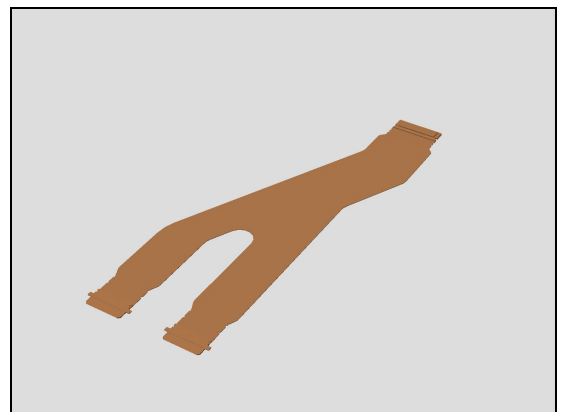


### 4.3 FPC Assembly Relay LCD

*Follow the 3.1 - 3.3 Disassembly instructions!*

Prepare the new FPC Assembly Relay LCD.

*Follow the 4.39 Replacement Instructions, and 5.28 - 5.30 Reassembly instructions!*



### 4.4 Speaker Assy (R) and Speaker Assy (L)

*Follow the 3.1 – 3.5 Disassembly instructions!*

Prepare the new Speaker Assy to follow the 4.41 Replacement instructions for assembling the Speaker Assy.

*Follow the 4.39 Replacement Instructions, and 5.26 – 5.30 Reassembly instructions!*



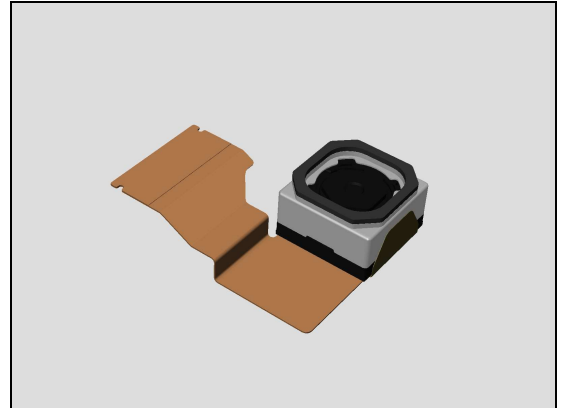
## Replacement

### 4.5 Camera Main 8MPixel

*Follow the 3.1 - 3.3 and 3.6 Disassembly instructions!*

Prepare the new Camera Main 8MPixel.

*Follow the 4.39 Replacement Instructions, and 5.25 and 5.28 - 5.30 Reassembly instructions!*

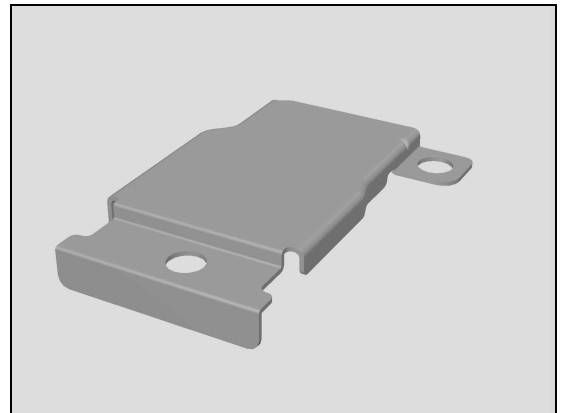


### 4.6 Plate Audio Jack

*Follow the 3.1 - 3.3 and 3.7 Disassembly instructions!*

Prepare the new Plate Audio Jack.

*Follow the 4.39 Replacement Instructions, and 5.24, and 5.28 - 5.30 Reassembly instructions!*

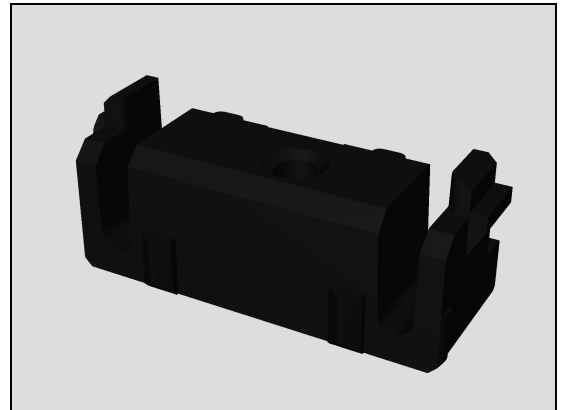


### 4.7 Holder AU Jack

*Follow the 3.1 - 3.3, 3.7, and 3.8 Disassembly instructions!*

Prepare the new Holder AU Jack.

*Follow the 4.39 Replacement Instructions, and 5.23, 5.24 and 5.28 - 5.30 Reassembly instructions!*

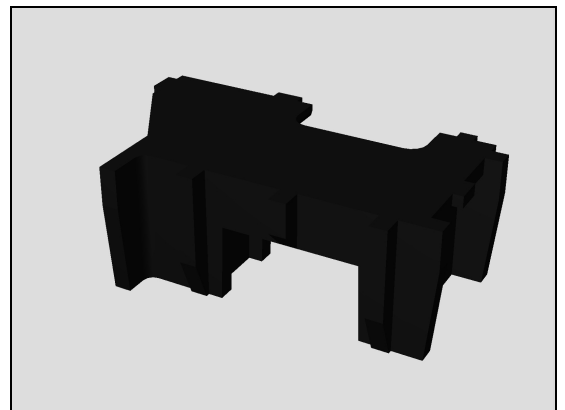


### 4.8 Holder AU Jack Grommet

*Follow the 3.1 - 3.3 and 3.9 Disassembly instructions!*

Prepare the new Holder AU Jack Grommet.

*Follow the 4.39 Replacement Instructions, and 5.22 and 5.28 - 5.30 Reassembly instructions!*



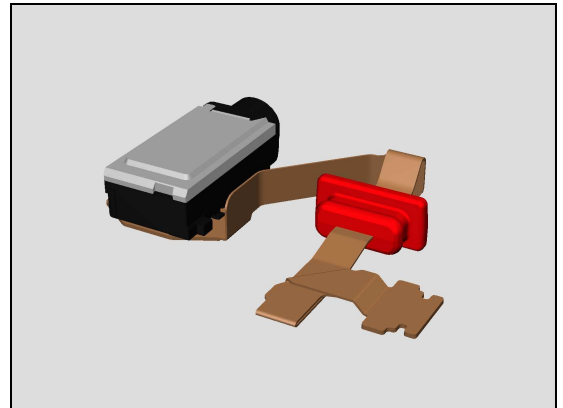
## Replacement

### 4.9 FPC Assembly Audio Jack

*Follow the 3.1 - 3.3 and 3.7 - 3.9 Disassembly instructions!*

Prepare the new FPC Assembly Audio Jack.

*Follow the 4.39 Replacement Instructions, and 5.21 - 5.24 and 5.28 - 5.30 Reassembly instructions!*

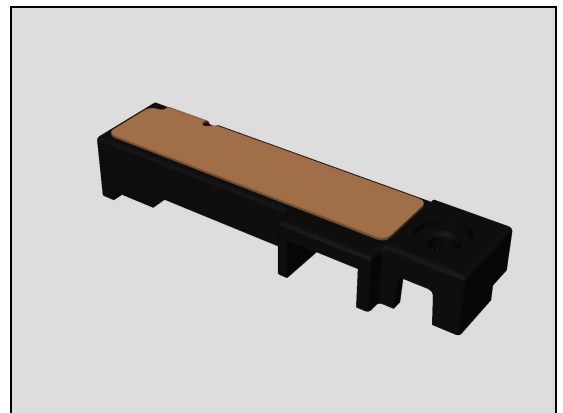


### 4.10 Antenna WL Main

*Follow the 3.1 - 3.3 and 3.11 Disassembly instructions!*

Prepare the new Antenna WL Main.

*Follow the 4.39 Replacement Instructions, and 5.20 and 5.28 - 5.30 Reassembly instructions!*

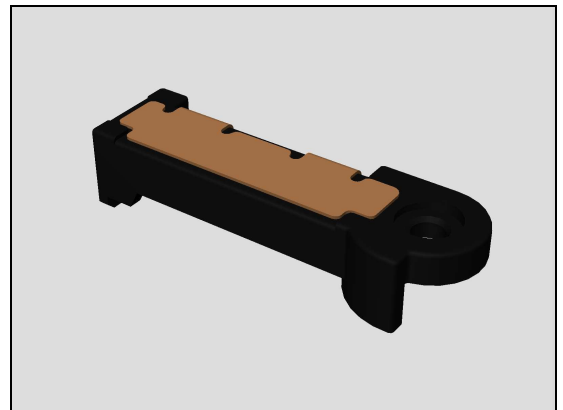


### 4.11 Antenna WL Sub

*Follow the 3.1 - 3.3 and 3.12 Disassembly instructions!*

Prepare the new Antenna WL Sub.

*Follow the 4.39 Replacement Instructions, and 5.19 and 5.28 - 5.30 Reassembly instructions!*

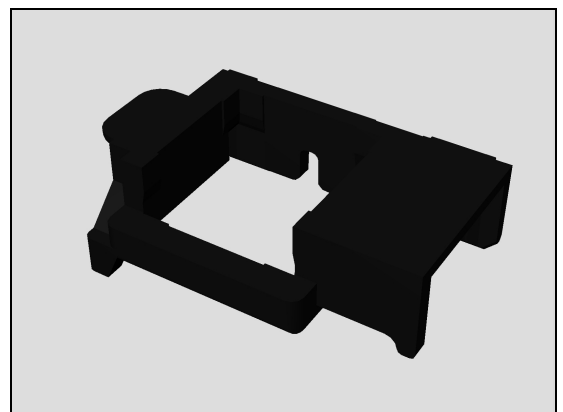


### 4.12 Frame Sub Camera

*Follow the 3.1 - 3.3 and 3.13 Disassembly instructions!*

Prepare the new Frame Sub Camera.

*Follow the 4.39 Replacement Instructions, and 5.18 and 5.28 - 5.30 Reassembly instructions!*



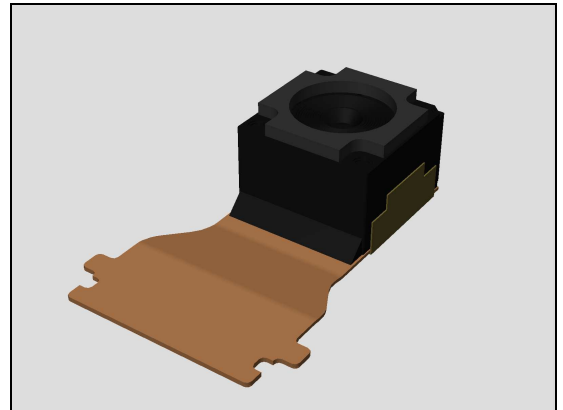
## Replacement

### 4.13 Camera Chat 5MPixel

*Follow the 3.1 - 3.3, 3.13, and 3.14 Disassembly instructions!*

Prepare the new Camera Chat 5MPixel.

*Follow the 4.39 Replacement Instructions, and 5.17, 5.18, and 5.28 - 5.30 Reassembly instructions!*

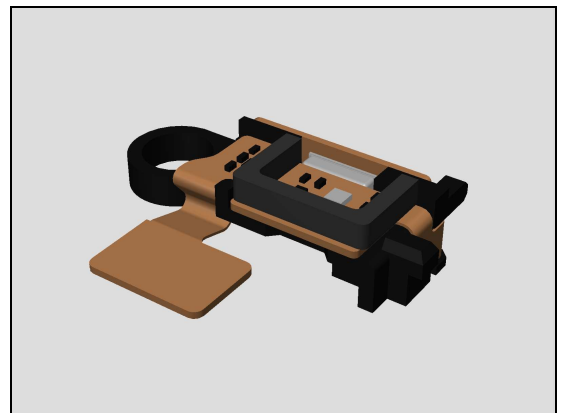


### 4.14 FPC Assembly Sensor

*Follow the 3.1 - 3.3 and 3.13 - 3.15 Disassembly instructions!*

Prepare the new FPC Assembly Sensor.

*Follow the 4.39 Replacement Instructions, and 5.16 – 5.18, and 5.28 - 5.30 Reassembly instructions!*

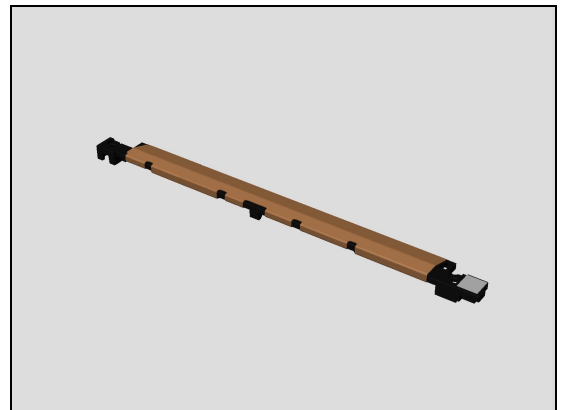


### 4.15 Antenna Main

*Follow the 3.1 - 3.3 and 3.16 Disassembly instructions!*

Prepare the new Antenna Main.

*Follow the 4.39 Replacement Instructions, and 5.15, and 5.28 - 5.30 Reassembly instructions!*

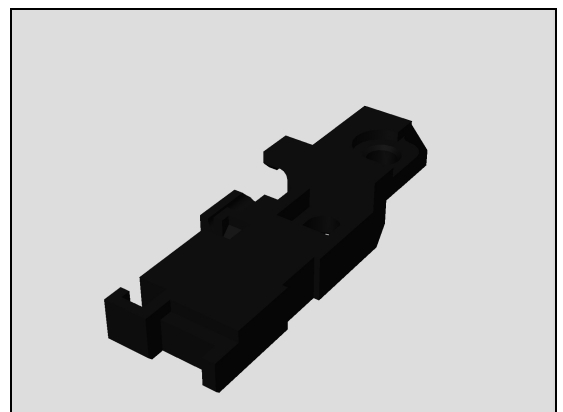


### 4.16 Holder Co Axial

*Follow the 3.1 - 3.3, 3.17, and 3.18 Disassembly instructions!*

Prepare the new Holder Co Axial.

*Follow the 4.39 Replacement Instructions, and 5.13, 5.14, and 5.28 - 5.30 Reassembly instructions!*



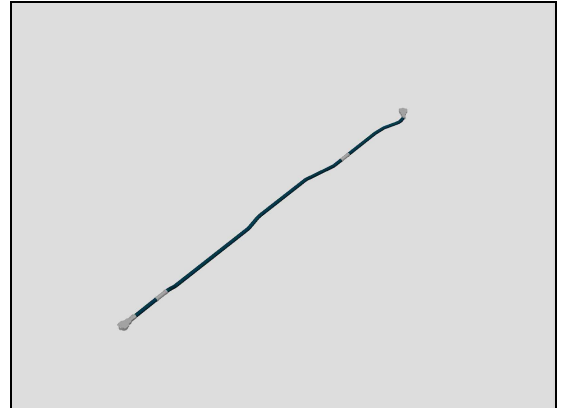
## Replacement

### 4.17 Cable RF Coax

*Follow the 3.1 - 3.3, 3.17, and 3.18 Disassembly instructions!*

Prepare the new Cable RF Coax.

*Follow the 4.39 Replacement Instructions, and 5.13, 5.14, and 5.28 - 5.30 Reassembly instructions!*

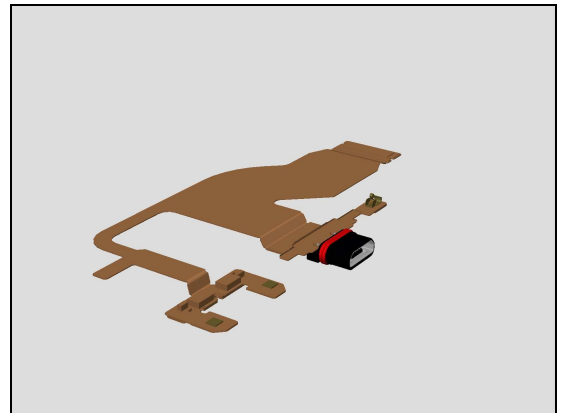


### 4.18 FPC Assembly Relay USB

*Follow the 3.1 - 3.3, and 3.17 - 3.21 Disassembly instructions!*

Prepare the new FPC Assembly Relay USB.

*Follow the 4.39 Replacement Instructions, and 5.11 - 5.14, and 5.28 - 5.30 Reassembly instructions!*

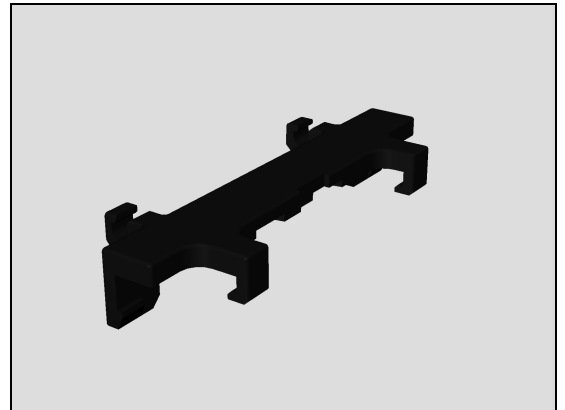


### 4.19 Holder USB Top

*Follow the 3.1 - 3.3, and 3.17 - 3.20 Disassembly instructions!*

Prepare the new Holder USB Top.

*Follow the 4.39 Replacement Instructions, and 5.11 - 5.14, and 5.28 - 5.30 Reassembly instructions!*

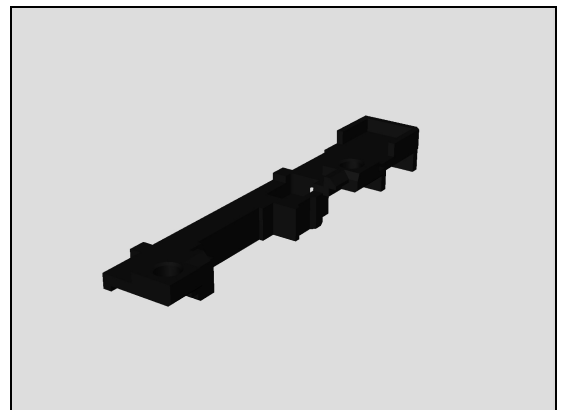


### 4.20 Holder USB Bottom

*Follow the 3.1 - 3.3, and 3.17 - 3.21 Disassembly instructions!*

Prepare the new Holder USB Bottom.

*Follow the 4.39 Replacement Instructions, and 5.11 - 5.14, and 5.28 - 5.30 Reassembly instructions!*





## Replacement

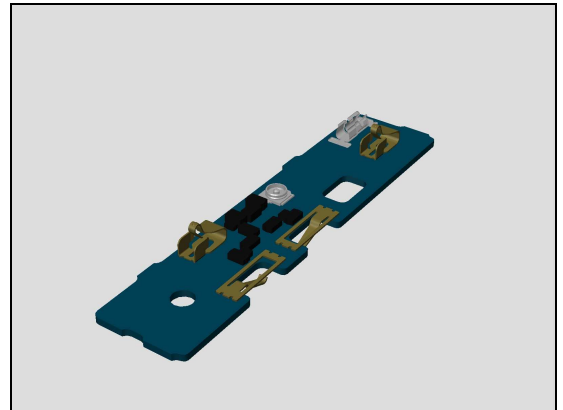
### 4.21 Sub PBA

(not applicable for SGP712)

*Follow the 3.1 - 3.3, and 3.22 Disassembly instructions!*

Prepare the new Sub PBA.

*Follow the 4.39 Replacement Instructions, and 5.10, and 5.28 - 5.30 Reassembly instructions!*

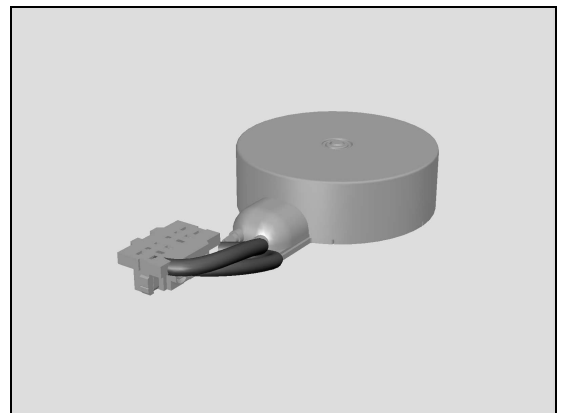


### 4.22 Vibrator

*Follow the 3.1 - 3.3, and 3.23 Disassembly instructions!*

Prepare the new Vibrator.

*Follow the 4.39 Replacement Instructions, and 5.9, and 5.28 - 5.30 Reassembly instructions!*

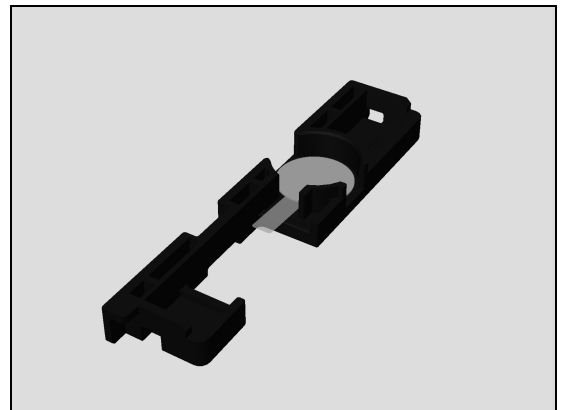


### 4.23 Holder Key Sub Assembly

*Follow the 3.1 - 3.3, 3.23 and 3.24 Disassembly instructions!*

Prepare the new Holder Key Sub Assembly.

*Follow the 4.39 Replacement Instructions, and 5.8, 5.9, and 5.28 - 5.30 Reassembly instructions!*

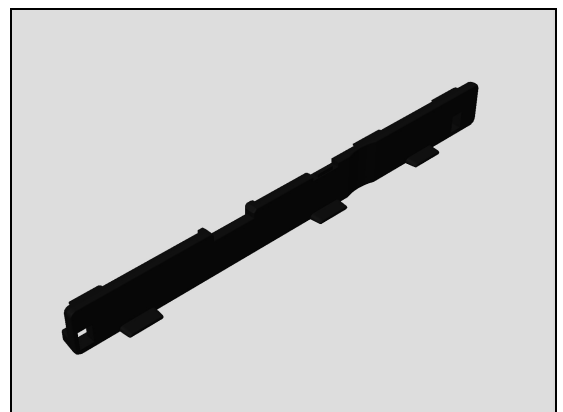


### 4.24 Holder FPC Key

*Follow the 3.1 - 3.3, and 3.23 - 3.25 Disassembly instructions!*

Prepare the new Holder FPC Key.

*Follow the 4.39 Replacement Instructions, and 5.7 - 5.9, and 5.28 - 5.30 Reassembly instructions!*



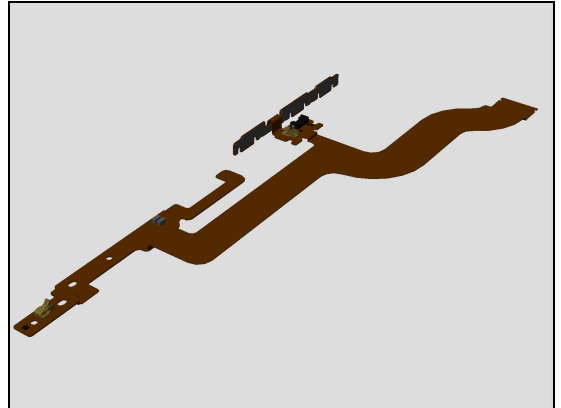
## Replacement

### 4.25 FPC Assembly Relay Key

*Follow the 3.1 - 3.3, and 3.23 - 3.25 Disassembly instructions!*

Prepare the new FPC Assembly Relay Key.

*Follow the 4.39 Replacement Instructions, and 5.7 - 5.9, and 5.28 - 5.30 Reassembly instructions!*



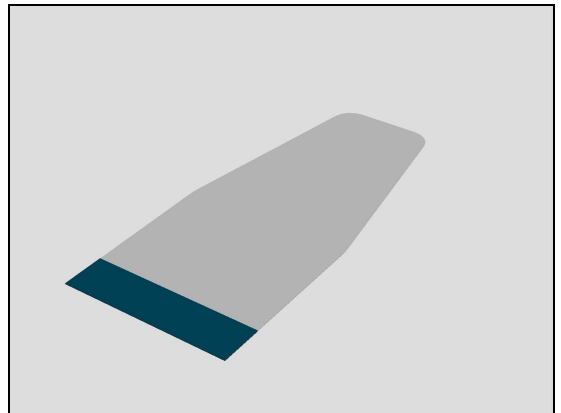
### 4.26 Adhesive Battery

*Follow the 3.1 - 3.3, and 3.17 - 3.26 Disassembly instructions!*

**Scrap! Do not reuse!**

Prepare the new Adhesive Battery.

*Follow the 4.39 Replacement Instructions, and 5.5 - 5.14, and 5.28 - 5.30 Reassembly instructions!*



### 4.27 Battery 6000.0 mAh

*Follow the 3.1 - 3.3, and 3.17 - 3.27 Disassembly instructions!*

Prepare the new Battery 6000.0 mAh.

*Follow the 4.39 Replacement Instructions, and 5.5 - 5.14, and 5.28 - 5.30 Reassembly instructions!*

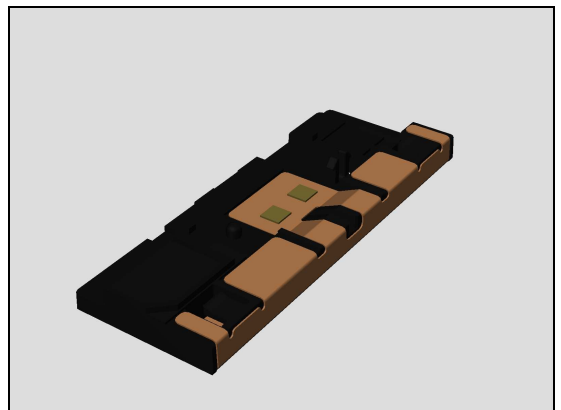


### 4.28 Antenna Sub

*Follow the 3.1 - 3.3, and 3.17 - 3.28 Disassembly instructions!*

Prepare the new Antenna Sub.

*Follow the 4.39 Replacement Instructions, and 5.4 - 5.14, and 5.28 - 5.30 Reassembly instructions!*



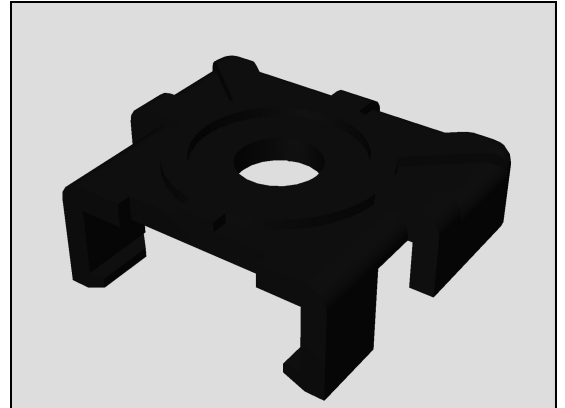
## Replacement

### 4.29 Holder PBA

*Follow the 3.1 - 3.3, and 3.29 Disassembly instructions!*

Prepare the new Holder PBA.

*Follow the 4.39 Replacement Instructions, and 5.3, and 5.28 - 5.30 Reassembly instructions!*

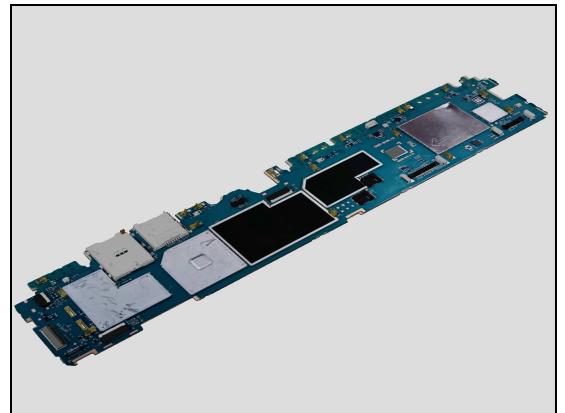


### 4.30 Main PBA

*Follow the 3.1 - 3.3, 3.6 - 3.25, 3.29, and 3.30 Disassembly instructions!*

Prepare the new Main PBA.

*Follow the 4.39, 4.44 and 4.60 Replacement Instructions, and 5.2, 5.3, 5.7 – 5.25, and 5.28 - 5.30 Reassembly instructions!*



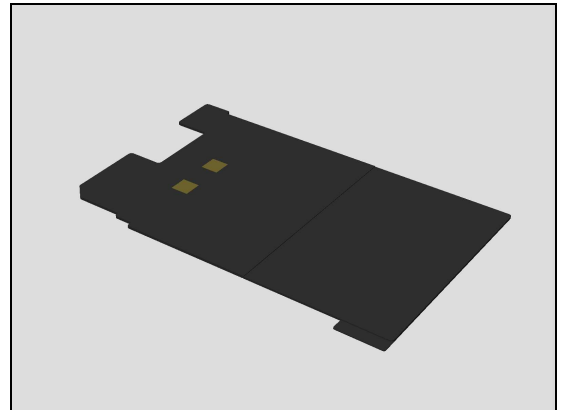
### 4.31 Antenna NFC

*Follow the 3.1 - 3.3, 3.6 - 3.25, and 3.29 - 3.31 Disassembly instructions!*

**Scrap! Do not reuse!**

Prepare the new Antenna NFC.

*Follow the 4.39 Replacement Instructions, and 5.1 – 5.3, 5.7 – 5.24 and 5.28 - 5.30 Reassembly instructions!*



## Replacement

### 4.32 Adhesive FPC Key

*Follow the 3.1 - 3.3, and 3.23 - 3.25 Disassembly instructions!*

Carry out the Removal as describe below!

Prepare the new Adhesive FPC Key

Carry out the Installation as describe below!

*Follow the 4.39 Replacement Instructions, and 5.7 - 5.9, and 5.28 - 5.30 Reassembly instructions!*

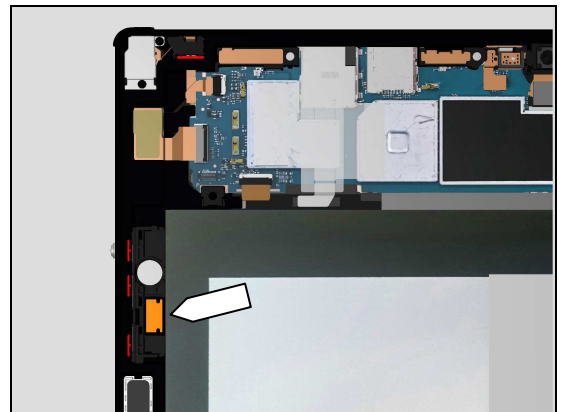
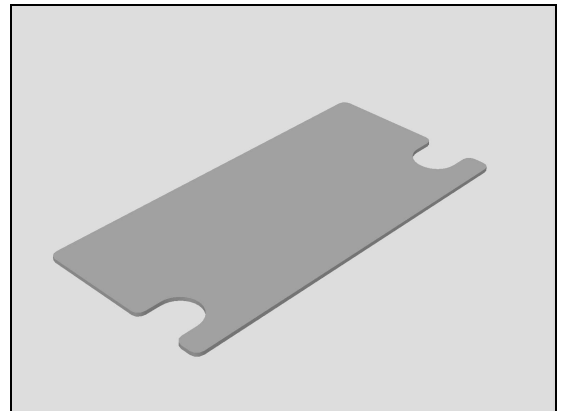
#### REMOVAL

Remove the Adhesive FPC Key.

**Scrap! Not to be reused!**

#### INSTALLATION

Place a new Adhesive FPC Key on the Main Frame using a Flex Film Assembly Tool.



### 4.33 Adhesive Hall Sensor

*Follow the 3.1 - 3.3, and 3.23 - 3.25 Disassembly instructions!*

Carry out the Removal as describe below!

Prepare the new Adhesive Hall Sensor.

Carry out the Installation as describe below!

*Follow the 4.39 Replacement Instructions, and 5.7 - 5.9, and 5.28 - 5.30 Reassembly instructions!*

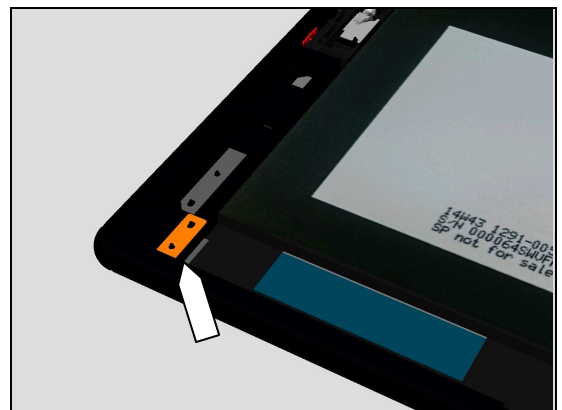
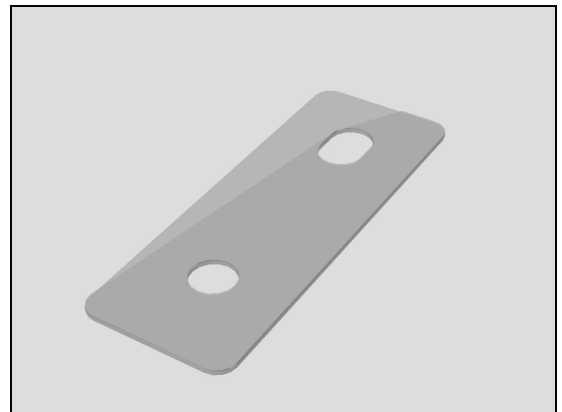
#### REMOVAL

Remove the Adhesive Hall Sensor.

**Scrap! Not to be reused!**

#### INSTALLATION

Place a new Adhesive Hall Sensor on the Main Frame using a Flex Film Assembly Tool.



## Replacement

### 4.34 Adhesive Holder Key Top

Follow the 3.1 - 3.3, 3.23, and 3.24 Disassembly instructions!

Carry out the Removal as describe below!

Prepare the new Adhesive Holder Key Top

Carry out the Installation as describe below!

Follow the 4.39 Replacement Instructions, and 5.7 - 5.9, and 5.28 - 5.30 Reassembly instructions!

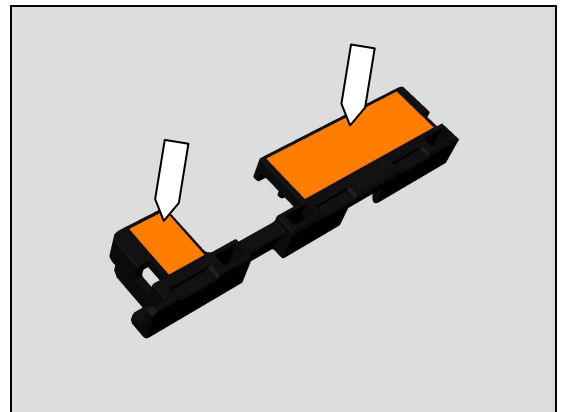
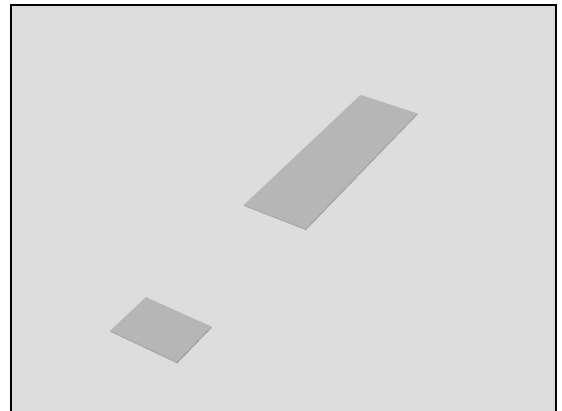
#### REMOVAL

Remove the Adhesive Holder Key Top.

**Scrap! Not to be reused!**

#### INSTALLATION

Place a new Adhesive Holder Key Top on the Holder Key Assembly using a Flex Film Assembly Tool.



### 4.35 Adhesive SPK

#### 4.35.1 Left Channel

Follow the 3.1 - 3.3, 3.5 and 3.23 - 3.25 Disassembly instructions!

Carry out the Removal as describe below!

Prepare the new Adhesive SPK.

Carry out the Installation as describe below!

Follow the 4.39 Replacement Instructions, and 5.7 - 5.9, 5.26 and 5.28 - 5.30 Reassembly instructions!

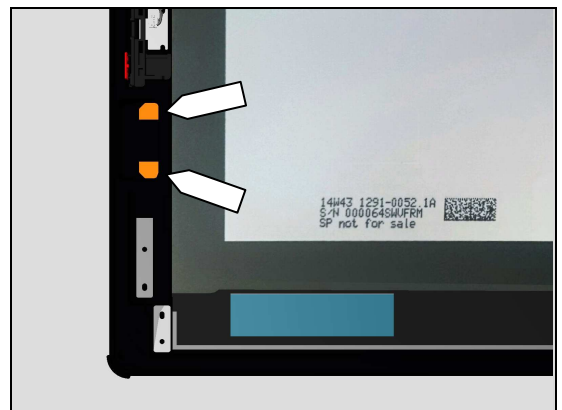
#### REMOVAL

Remove the Adhesive SPK.

**Scrap! Not to be reused!**

#### INSTALLATION

Place a new Adhesive SPK on the Main Frame using a Flex Film Assembly Tool.



## Replacement

### 4.35.2 Right Channel

Follow the 3.1 - 3.4, and 3.17 - 3.19 Disassembly instructions!

Carry out the Removal as describe below!

Prepare the new Adhesive SPK.

Carry out the Installation as describe below!

Follow the 4.39 Replacement Instructions, and 5.12 - 5.14, and 5.27 - 5.30 Reassembly instructions!

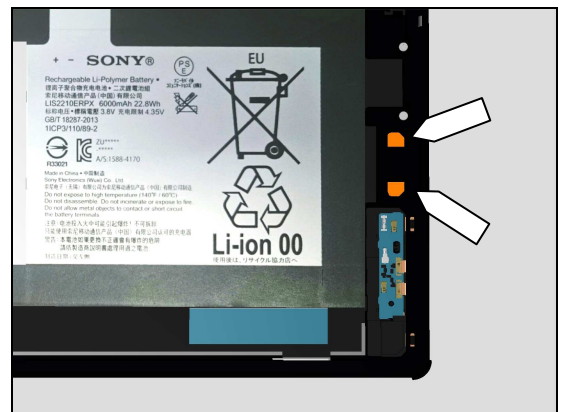
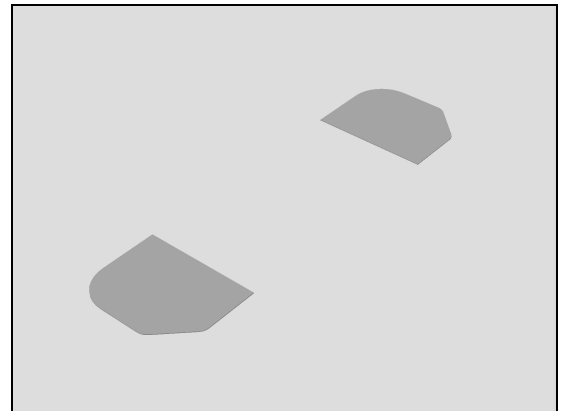
#### REMOVAL

Remove the Adhesive SPK.

**Scrap! Not to be reused!**

#### INSTALLATION

Place a new Adhesive SPK on the Main Frame using a Flex Film Assembly Tool.



### 4.36 Adhesive SPK back

#### 4.36.1 Left Channel

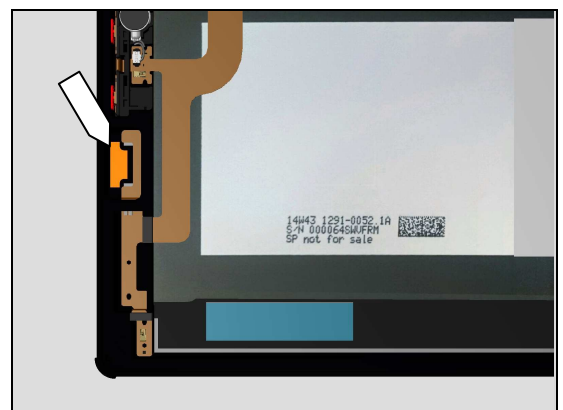
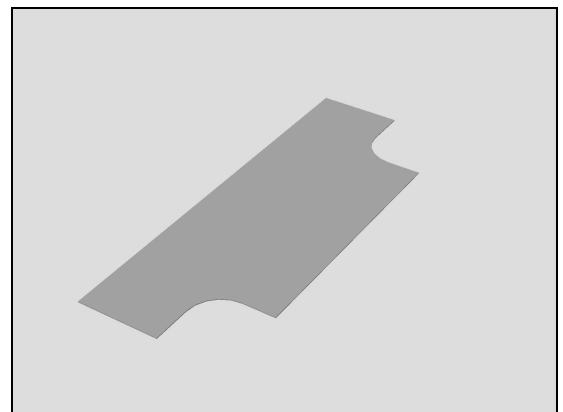
Follow the 3.1 - 3.3, 3.5 Disassembly instructions!

Carry out the Removal as describe below!

Prepare the new Adhesive SPK back.

Carry out the Installation as describe below!

Follow the 4.39 Replacement Instructions, and 5.26 and 5.28 - 5.30 Reassembly instructions!



#### REMOVAL

Remove the Adhesive SPK back.

**Scrap! Not to be reused!**

#### INSTALLATION

Place a new Adhesive SPK back on the Main Frame using a Flex Film Assembly Tool.

## Replacement

### 4.36.2 Right Channel

Follow the 3.1 - 3.4 Disassembly instructions!

Carry out the Removal as describe below!

Prepare the new Adhesive SPK.

Carry out the Installation as describe below!

Follow the 4.39 Replacement Instructions, and 5.27 - 5.30 Reassembly instructions!

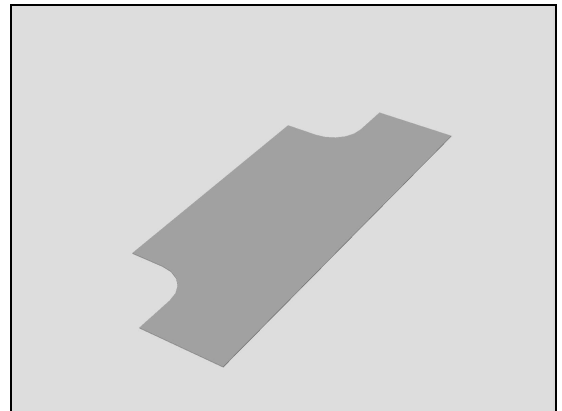
#### REMOVAL

Remove the Adhesive SPK back.

**Scrap! Not to be reused!**

#### INSTALLATION

Place a new Adhesive SPK back on the Main Frame using a Flex Film Assembly Tool.



### 4.37 Adhesive Vibrator

Follow the 3.1 - 3.3, 3.23 Disassembly instructions!

Carry out the Removal as describe below!

Prepare the new Adhesive Vibrator.

Carry out the Installation as describe below!

Follow the 4.39 Replacement Instructions, and 5.9 and 5.28 - 5.30 Reassembly instructions!

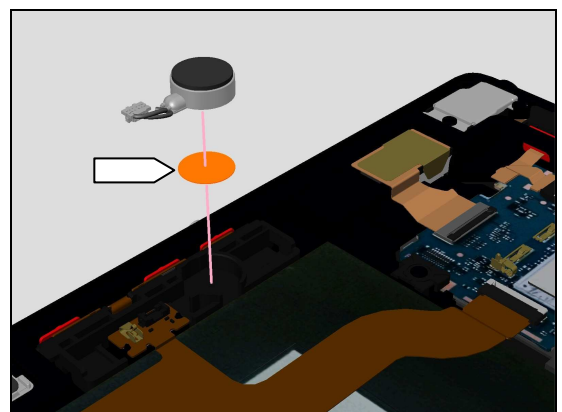
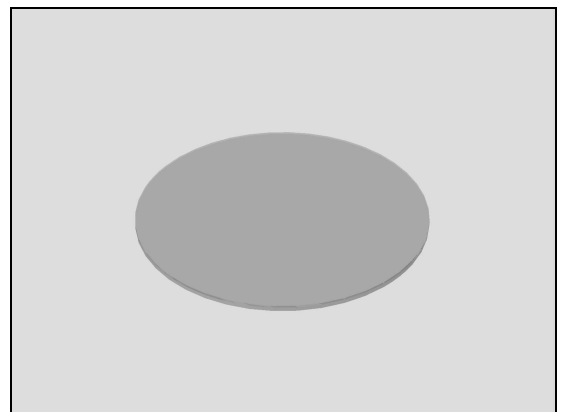
#### REMOVAL

Remove the Adhesive Vibrator back.

**Scrap! Not to be reused!**

#### INSTALLATION

Place a new Adhesive Vibrator on the Holder Key Sub Assembly using a Flex Film Assembly Tool.





## Replacement

### 4.38 Adhesive Vol

*Follow the 3.1 - 3.3, and 3.23 - 3.25 Disassembly instructions!*

Carry out the Removal as describe below!

Prepare the new Adhesive Vol.

Carry out the Installation as describe below!

*Follow the 4.39 Replacement Instructions, and 5.7 - 5.9, and 5.28 - 5.30 Reassembly instructions!*

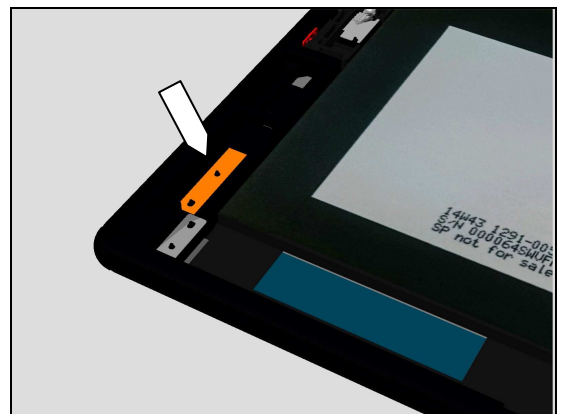
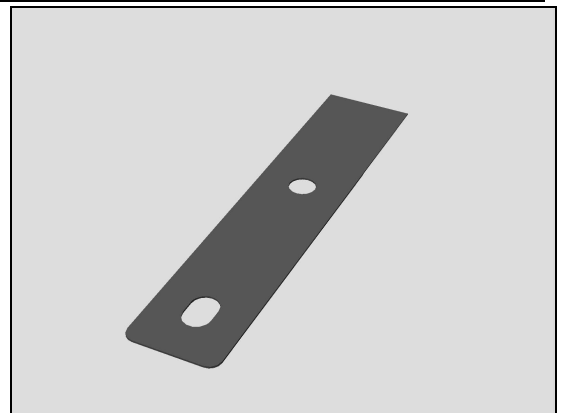
#### REMOVAL

Remove the Adhesive Vol.

**Scrap! Not to be reused!**

#### INSTALLATION

Place a new Adhesive Vol on the Main Frame using a Flex Film Assembly Tool.





## Replacement

### 4.39 Adhesive WR LCD

*Follow the 3.1 - 3.3 Disassembly instructions!*

Carry out the Removal as describe below!

Prepare the new Adhesive WR LCD.

Carry out the Installation as describe below!

*Follow the 5.28 - 5.30 Reassembly instructions!*

#### REMOVAL

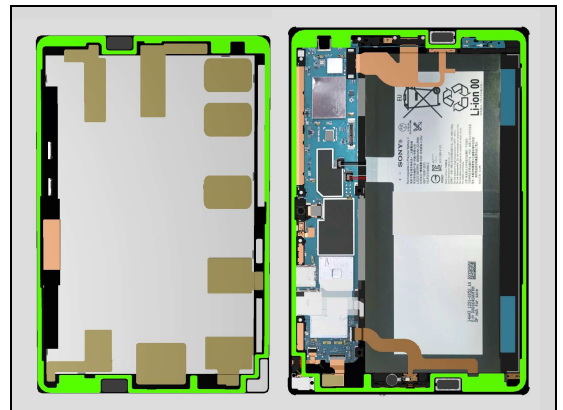
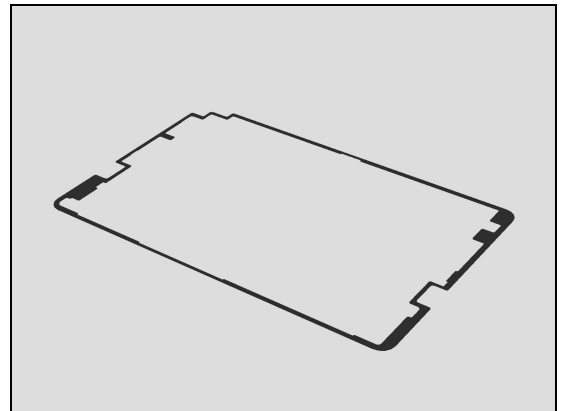
Remove the Adhesive WR LCD on the both Main Frame and Display Assembly using Bamboo Skewer (highlighted by green as shown in the picture).

**Note! Remove all leftover adhesive from the Display Assembly and Main Frame.**

**Clean and inspect the adhesive area carefully.**

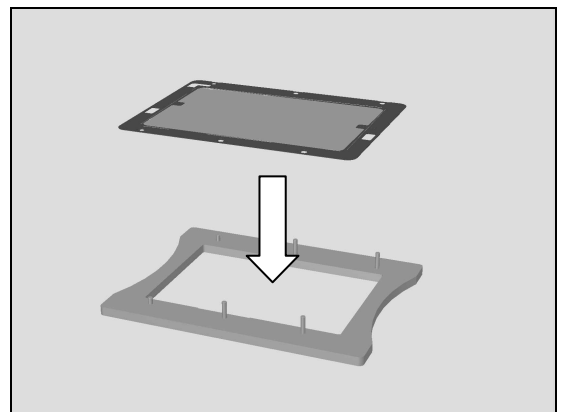
**Water Resistance performance is highly dependent of this operation.**

**Scrap! Not to be reused!**

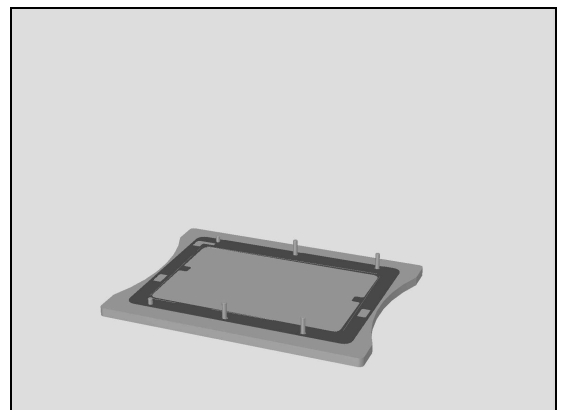


#### INSTALLATION

Place the Adhesive WR LCD on the bottom plate of Display Adhesive Alignment Fixture.

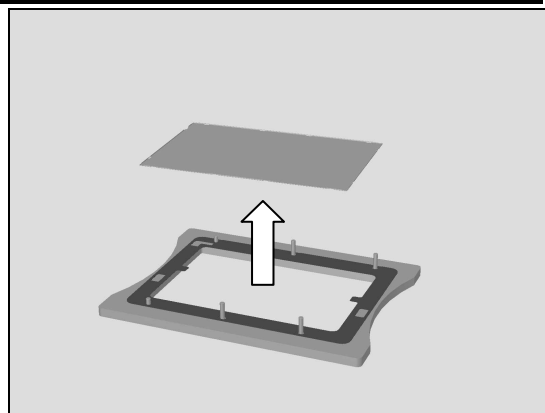


Secure the position of Adhesive WR LCD.



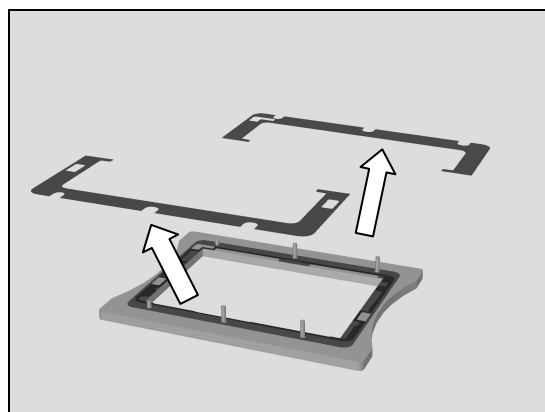
## Replacement

Peel off the transparent sheet.



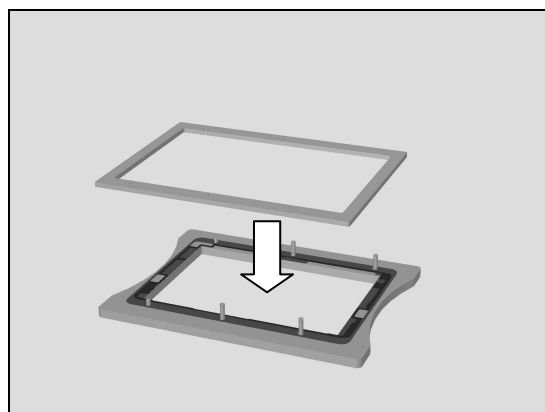
Peel off the release sheets.

Do not touch the adhesive once peeled off the release sheet. It is very fragile and sensitive!



Place the top frame of Display Adhesive Alignment Fixture.

Do not touch the adhesive. It is very fragile and sensitive!



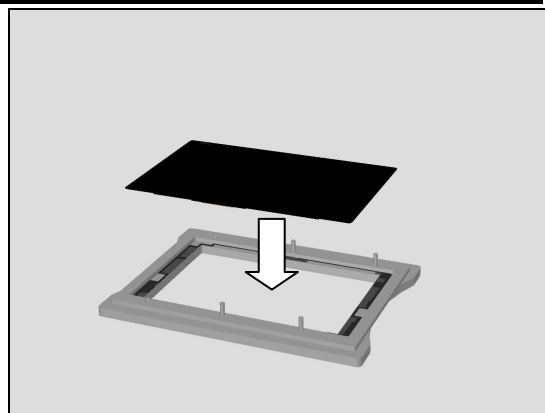
Secure the position of Adhesive WR LCD, and make sure no twisting/winding.

Do not touch the adhesive. It is very fragile and sensitive!

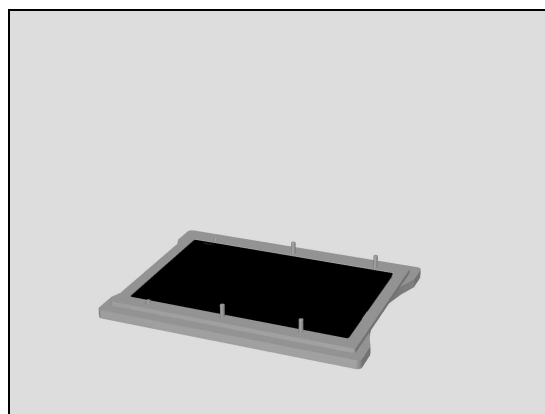


## Replacement

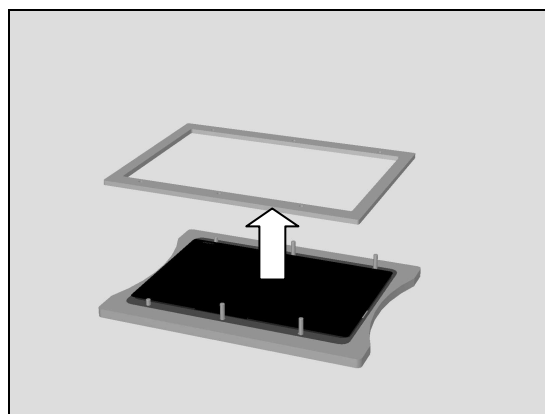
Place the Display Assembly on the Display Adhesive Alignment Fixture.



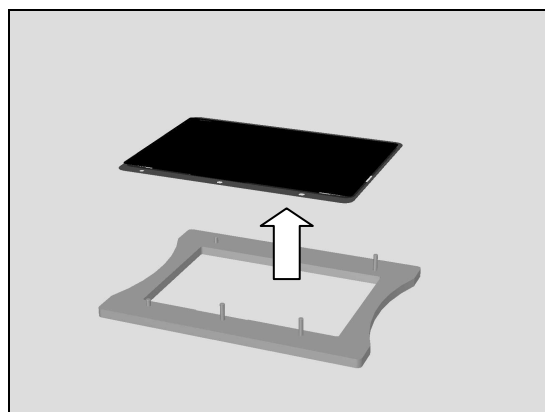
Secure the position of Display Assembly, and press it by fingers.



Remove the top frame of Display Adhesive Alignment Fixture.



Remove the Display Assembly, and inspect if Adhesive WR LCD is correctly affixed.



## Replacement

### 4.40 Cap Assembly

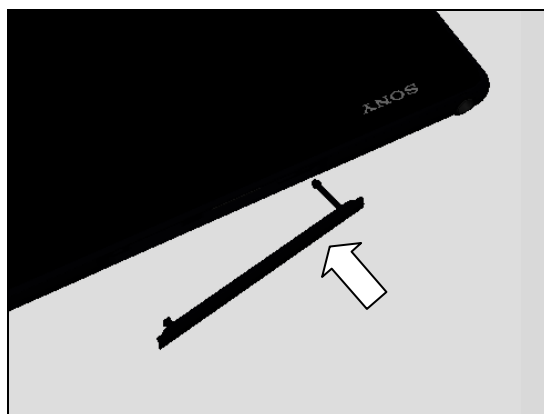
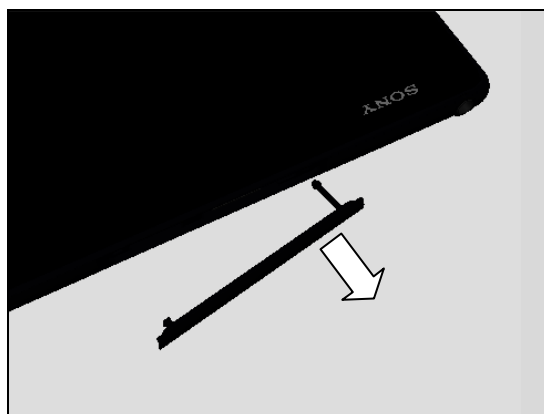
Carry out the Removal as describe below!

Prepare the new Cap Assembly

Carry out the Installation as describe below!

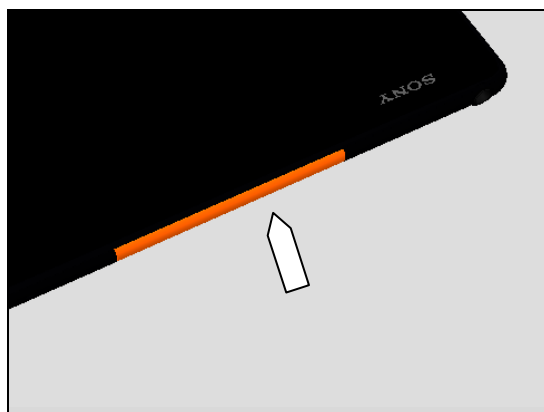
#### REMOVAL

Remove the Cap Assembly with fingers



#### INSTALLATION

Place the new Cap Assemble with fingers.



Press it in place.

## Replacement

### 4.41 Cap SP Assembly and Top Speaker

*Follow the 3.1 – 3.5 Disassembly instructions!*

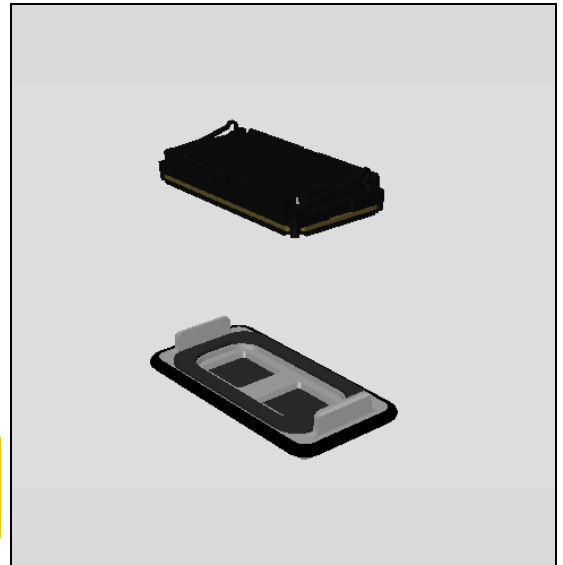
**Scrap! Once disassemble to separate Cap SP Assembly and Top Speaker, Not to be reused!**

Prepare the new Cap SP Assembly and Top Speaker.

Carry out the Installation as describe below!

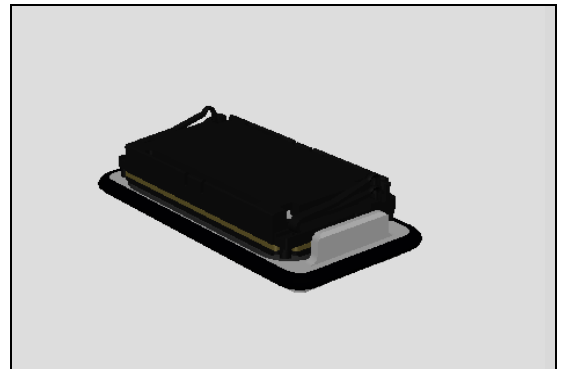
*Follow the 4.39 Replacement Instructions, and 5.26 – 5.30 Reassembly instructions!*

**Important! When you replace Top Speaker, flashing Customize or Refurbish or SUCE script (SU script cannot be used!) in Emma before returning the unit.**



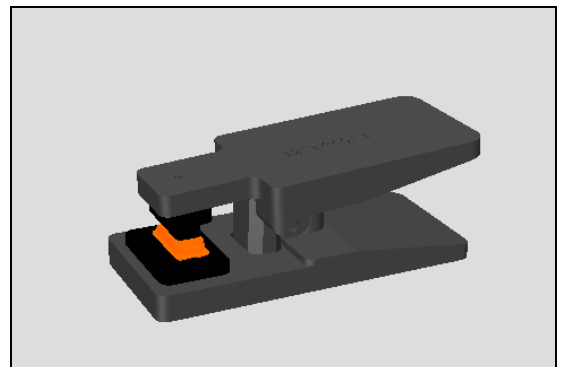
#### INSTALLATION

Assemble Cap SP Assembly and Top Speaker with fingers.



Press to secure its attachment using Press Tool Loudspeaker for five seconds.

**Note! Do not press the contact pins!**



### 4.42 Cushion Back Volume Bottom

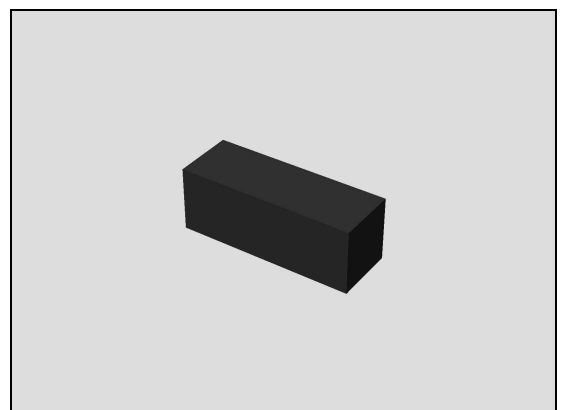
*Follow the 3.1 - 3.3 Disassembly instructions!*

Carry out the Removal as describe below!

Prepare the new Cushion Back Volume Bottom.

Carry out the Installation as describe below!

*Follow the 4.39 Replacement Instructions, and 5.28 - 5.30 Reassembly instructions!*



## Replacement

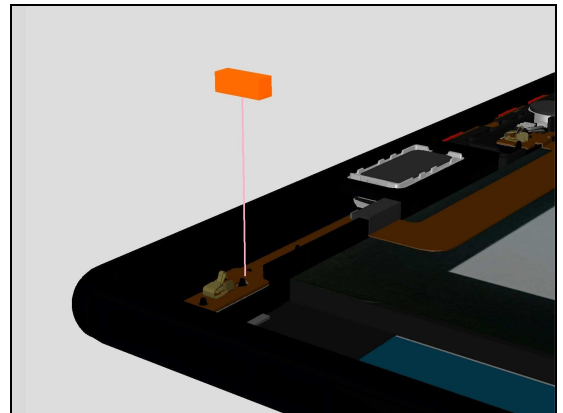
### REMOVAL

Remove the Cushion Back Volume Bottom with Tweezers.

**Scrap! Not to be reused!**

### INSTALLATION

Place the new Cushion Back Volume Bottom using Flex Film Assembly Tool on the FPC Assembly Relay Key.



## 4.43 Cushion Volume Back Top

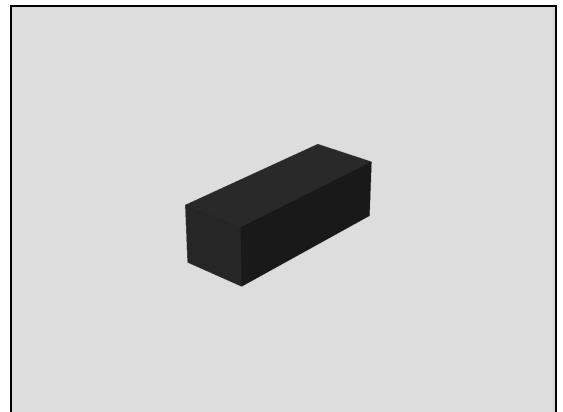
*Follow the 3.1 - 3.3 Disassembly instructions!*

Carry out the Removal as describe below!

Prepare the new Cushion Back Volume Top.

Carry out the Installation as describe below!

*Follow the 4.39 Replacement Instructions, and 5.28 - 5.30 Reassembly instructions!*



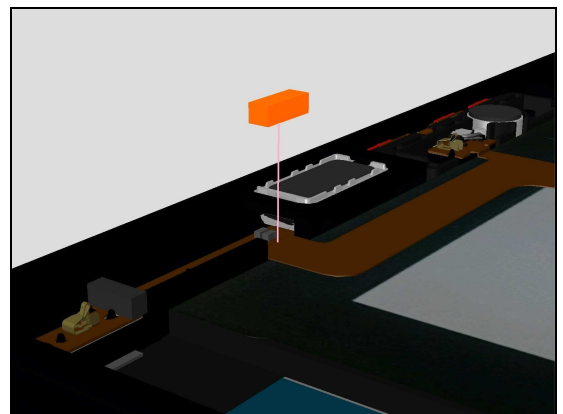
### REMOVAL

Remove the Cushion Back Volume Top with Tweezers.

**Scrap! Not to be reused!**

### INSTALLATION

Place the new Cushion Back Volume Top using Flex Film Assembly Tool on the FPC Assembly Relay Key.



## 4.44 Cushion LED

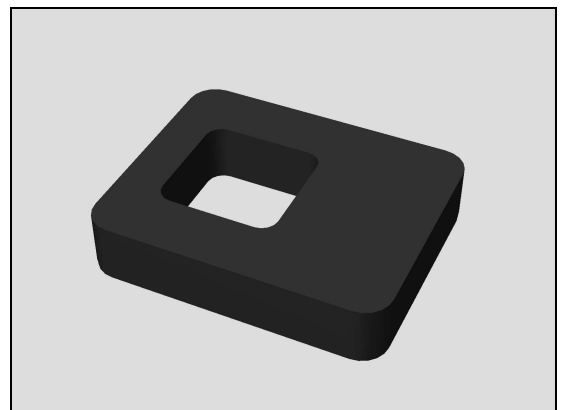
*Follow the 3.1 - 3.3 and 3.16 Disassembly instructions!*

Carry out the Removal as describe below!

Prepare the new Cushion LED.

Carry out the Installation as describe below!

*Follow the 4.39 Replacement Instructions, and 5.15, and 5.28 - 5.30 Reassembly instructions!*



## Replacement

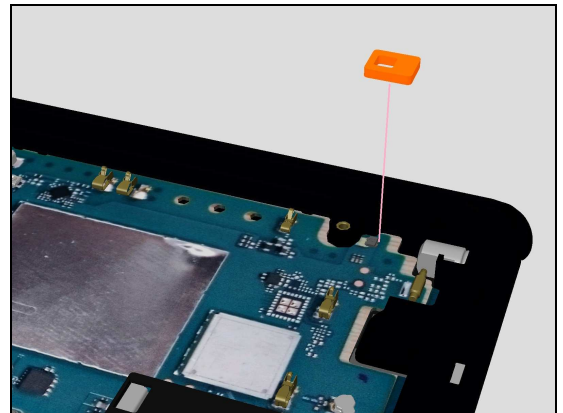
### REMOVAL

Remove the Cushion LED with Tweezers.

**Scrap! Not to be reused!**

### INSTALLATION

Place the new Cushion LED using Flex Film Assembly Tool on the Main PBA.



## 4.45 Cushion Side Guide

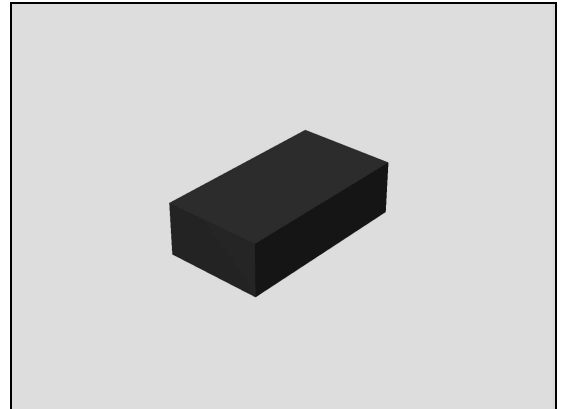
*Follow the 3.1 - 3.3 Disassembly instructions!*

Carry out the Removal as describe below!

Prepare the new Cushion Side Guide.

Carry out the Installation as describe below!

*Follow the 4.39 Replacement Instructions, and 5.28 - 5.30 Reassembly instructions!*



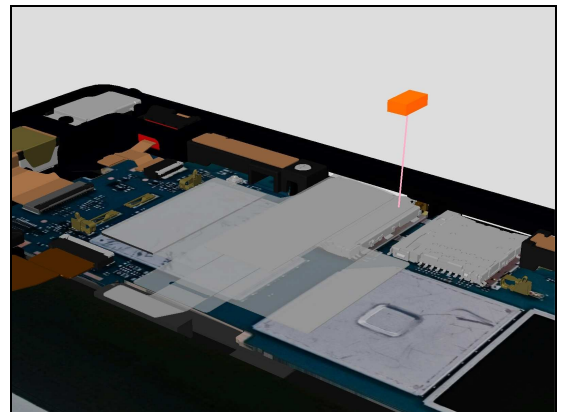
### REMOVAL

Remove the Cushion Side Guide with Tweezers.

**Scrap! Not to be reused!**

### INSTALLATION

Place the new Cushion Side Guide using Flex Film Assembly Tool on the Main PBA.



## 4.46 Cushion Vibrator

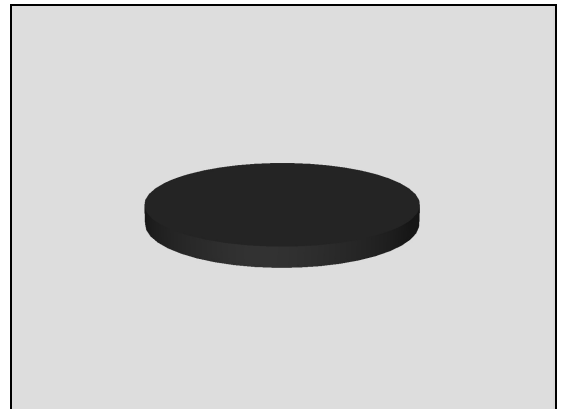
*Follow the 3.1 - 3.3 Disassembly instructions!*

Carry out the Removal as describe below!

Prepare the new Cushion Vibrator.

Carry out the Installation as describe below!

*Follow the 4.39 Replacement Instructions, and 5.28 - 5.30 Reassembly instructions!*



## Replacement

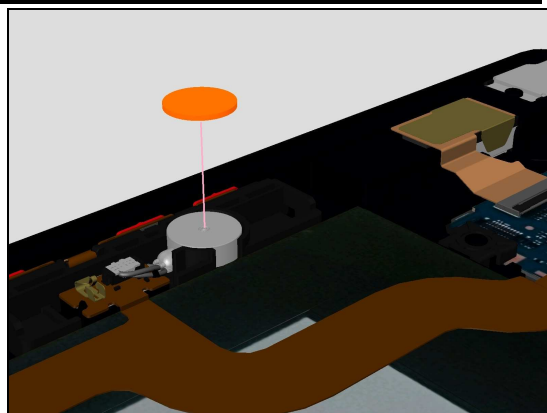
### REMOVAL

Remove the Cushion Vibrator with Tweezers.

**Scrap! Not to be reused!**

### INSTALLATION

Place the new Cushion Vibrator using Flex Film Assembly Tool on the Vibrator.

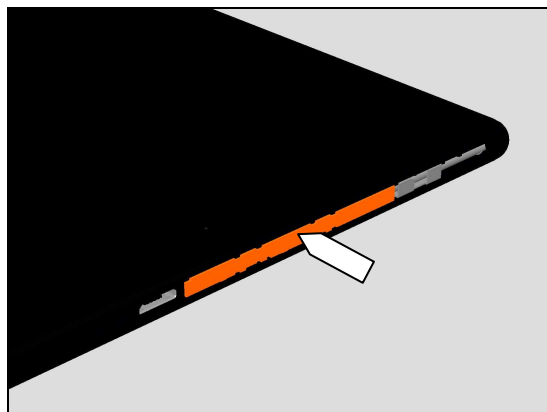
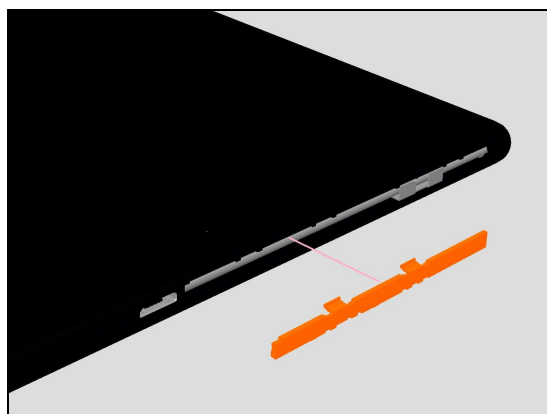


### REMOVAL

Remove the Frame DTV with Tweezers.

### INSTALLATION

Place the new Frame DTV with fingers on the Frame Main.



Press it in place.



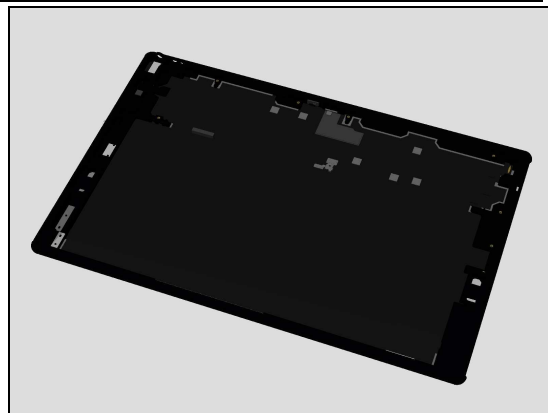
## Replacement

### 4.48 Frame Main Assembly

*Follow the 3.1 - 3.31 Disassembly instructions!*

Prepare the Frame Main Assembly.

*Follow the 4.34, 4.36, 4.37, 4.39, 4.53 – 4.59, 4.69, 4.70 Installation instructions, and 5.1 - 5.30 Reassembly instructions!*



## Replacement

### 4.49 Frame SIM

Carry out the Removal as describe below!

Prepare the new Frame SIM.

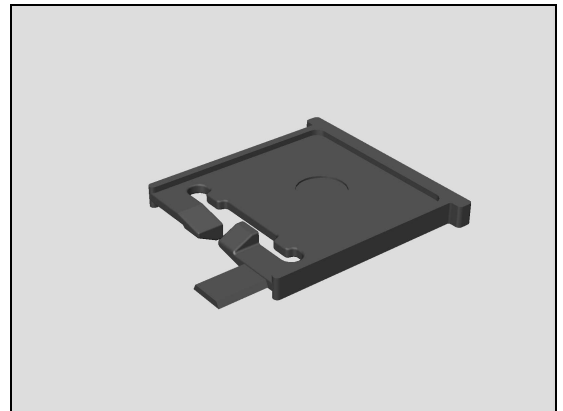
Carry out the Installation as describe below!

#### REMOVAL

Open Cap Assembly and remove the Frame SIM using Tweezers.

#### INSTALLATION

Insert the Frame SIM into the SIM slot with fingers, and close the Cap Assembly.



### 4.50 Key Gasket

Follow the 3.1 - 3.3, and 3.23 - 3.25 Disassembly instructions!

**Note! No need to disassemble Holder FPC Key and FPC Assembly Relay key.**

Carry out the Removal as describe below.

Prepare new Key Gasket

Carry out the Installation as describe below.

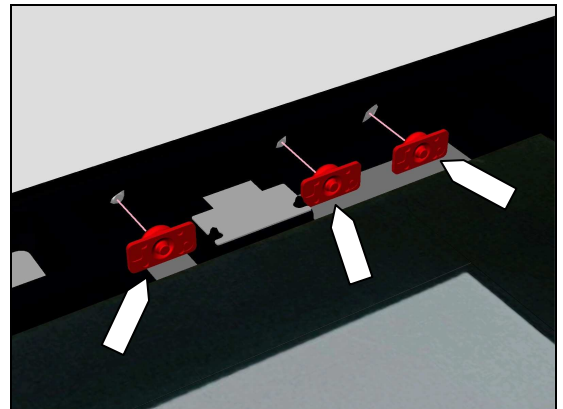
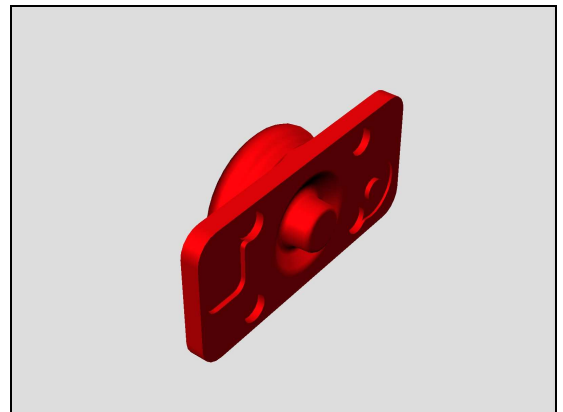
Follow the 4.39 Replacement Instructions, and 5.7 - 5.9, and 5.28 - 5.30 Reassembly instructions!

#### REMOVAL

Remove the Key Gasket with Fingers.

#### INSTALLATION

Place the Key Gasket on the Frame Main and press with fingers.



## Replacement

### 4.51 Key Volume

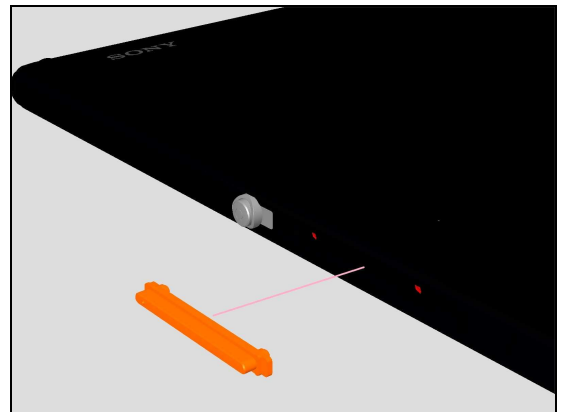
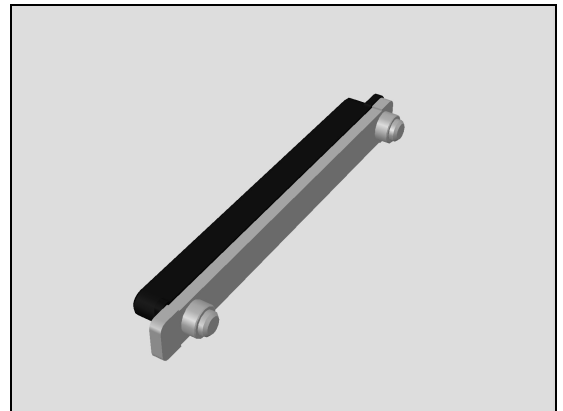
Follow the Removal 4.54  
Carry out the Removal as describe below.  
Prepare new Key Volume.  
Carry out the Installation as describe below.  
Follow the Installation 4.54.

#### REMOVAL

Remove the Key Volume with Fingers.

#### INSTALLATION

Place the Key Volume on the Frame Main.



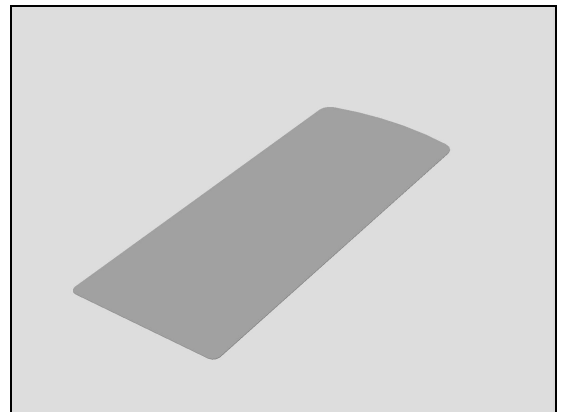
### 4.52 Label Core Unit

Carry out the Removal as describe below.  
Prepare new Label Core Unit.  
Carry out the Installation as describe below.

#### REMOVAL

Open Cap Assembly and pull out the Sheet Label. Then  
remove the Label Core Unit with fingers.

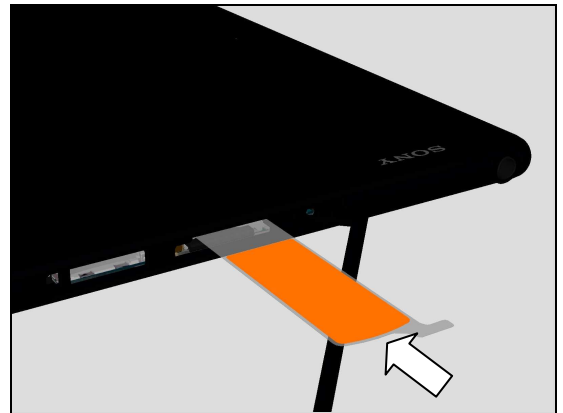
**Scrap! Not to be reused!**



## Replacement

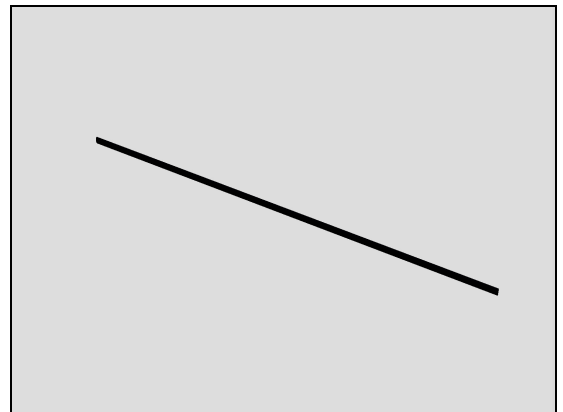
### INSTALLATION

Affix the new Core Unit Label on the Sheet Label with fingers, and insert the Sheet Label into SIM slot.  
Close the Cap Assembly.



### 4.53 Panel Bottom

Carry out the Removal as describe below.  
Prepare new Panel Bottom.  
Carry out the Installation as describe below.



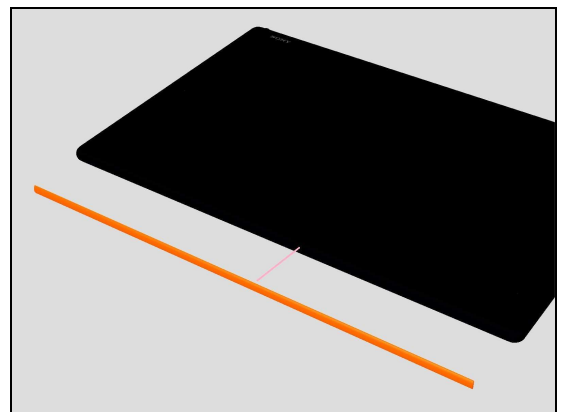
### REMOVAL

Remove the Panel Bottom with the dentist hook.

**Scrap! Not to be reused!**

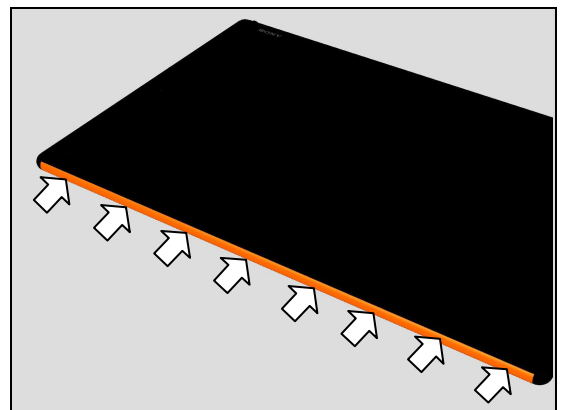
### INSTALLATION

Place a new Panel Left Bottom with a Flex Film Assembly Tool on the Main Frame.



Use Side Panel press, Side Panel Press Head and Side Panel Press Pad with the force of 50N for ten seconds.

Panel Bottom should be pressed eight times (see arrows) to follow 1003-9107 Tool Catalogue –mechanical and document Side Panel press Instruction for use.



## Replacement

### 4.54 Panel Left Bottom

Carry out the Removal as describe below.

Prepare new Panel Left Bottom.

Carry out the Installation as describe below.

#### REMOVAL

Remove the Panel Left Bottom with the dentist hook.

**Scrap! Not to be reused!**

#### INSTALLATION

Place a new Panel Left Bottom with a Flex Film Assembly Tool on the Main Frame.

Use Side Panel press, Side Panel Press Head and Side Panel Press Pad with the force of 50N for ten seconds.

Panel Left Bottom should be pressed three times (see arrows) to follow 1003-9107 Tool Catalogue –mechanical and document Side Panel press Instruction for use.

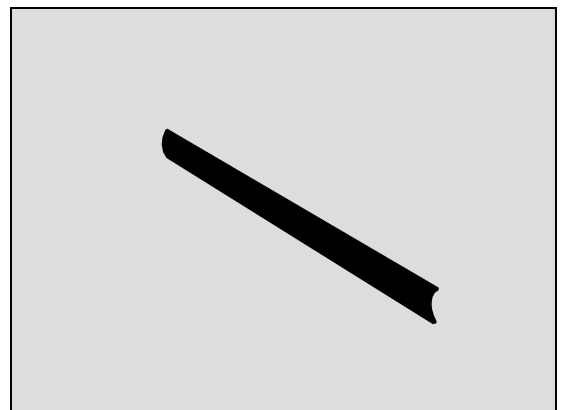
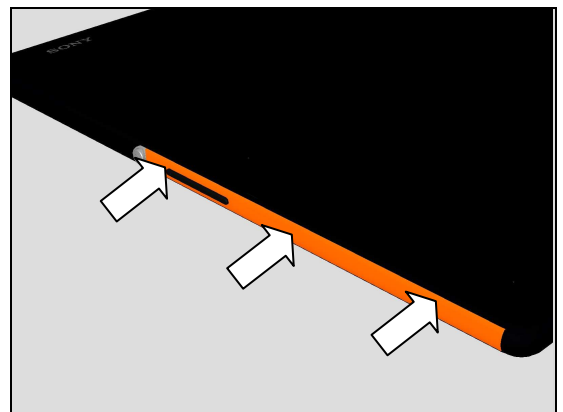
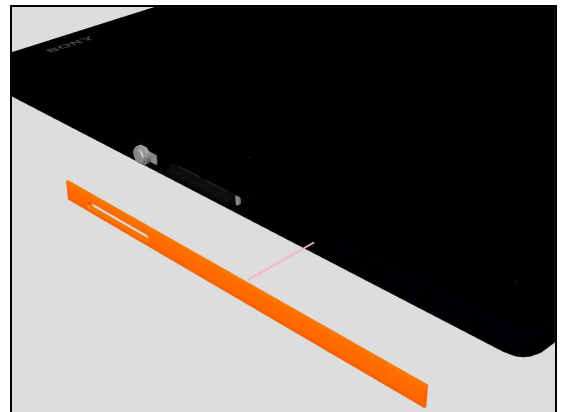
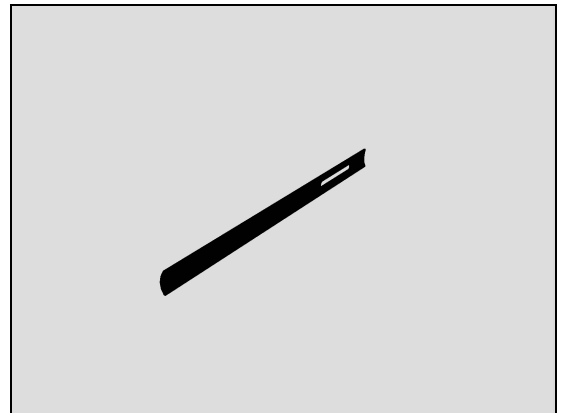
**Note! Do not press the Power Button, and Key Volume!**

### 4.55 Panel Left Top

Carry out the Removal as describe below.

Prepare new Panel Left Top.

Carry out the Installation as describe below.



## Replacement

### REMOVAL

Remove the Panel Left Top with the dentist hook.

**Scrap! Not to be reused!**

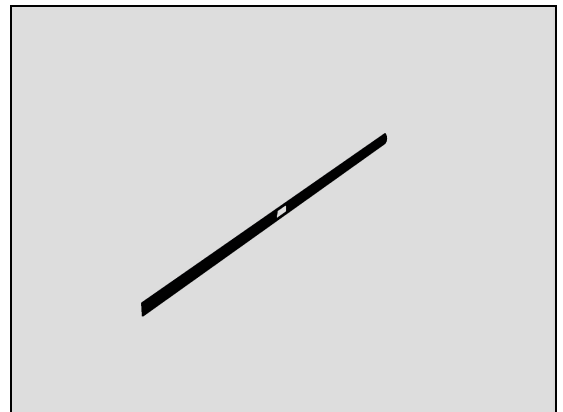
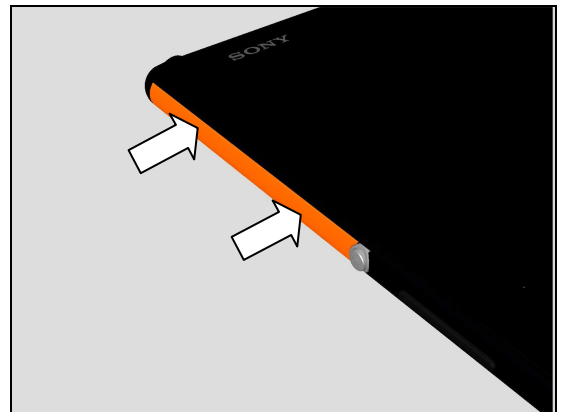
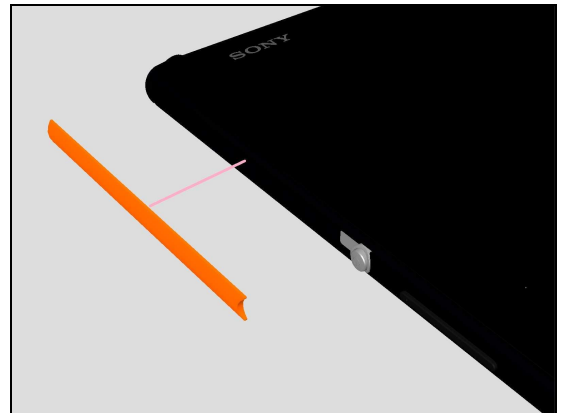
### INSTALLATION

Place a new Panel Left Top with a Flex Film Assembly Tool on the Main Frame.

Use Side Panel press, Side Panel Press Head and Side Panel Press Pad with the force of 50N for ten seconds.

Panel Left Top should be pressed two times (see arrows) to follow 1003-9107 Tool Catalogue –mechanical and document Side Panel press Instruction for use.

**Note! Do not press the Power button!**



## 4.56 Panel Right

Carry out the Removal as describe below.

Prepare new Panel Right.

Carry out the Installation as describe below.

### REMOVAL

Remove the Panel Right with the dentist hook.

**Scrap! Not to be reused!**

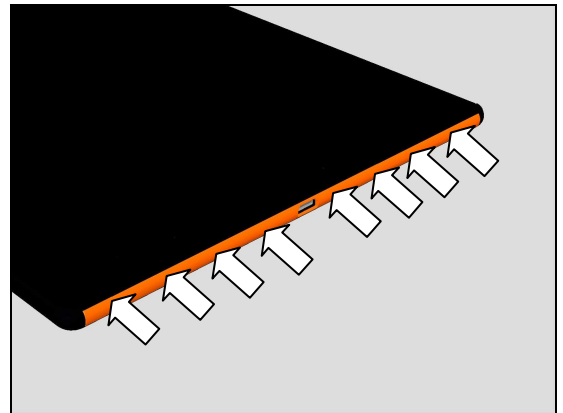
### INSTALLATION

Place a new Panel Right with a Flex Film Assembly Tool on the Main Frame.

## Replacement

Use Side Panel press, Side Panel Press Head and Side Panel Press Pad with the force of 50N for ten seconds.

Panel Right should be pressed eight times (see arrows) to follow 1003-9107 Tool Catalogue –mechanical and document Side Panel press Instruction for use.

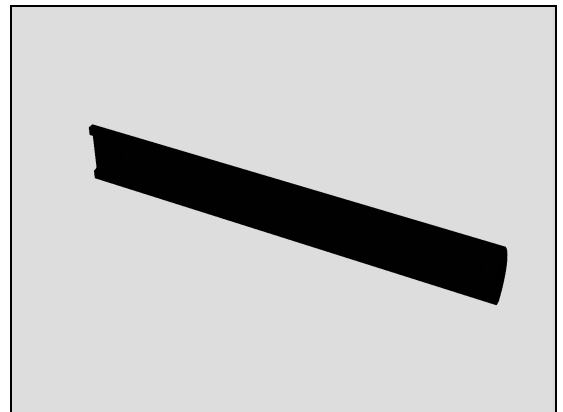


### 4.57 Panel Top L

Carry out the Removal as describe below.

Prepare new Panel Top L.

Carry out the Installation as describe below.



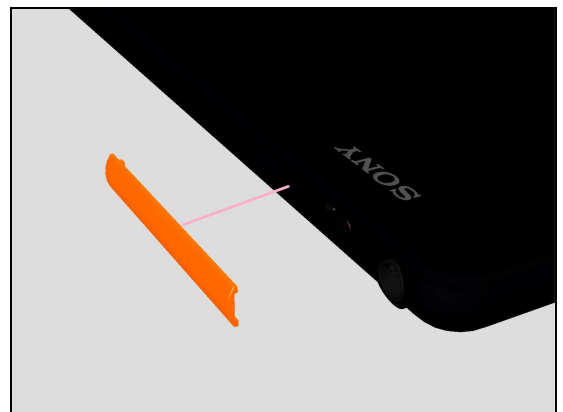
#### REMOVAL

Remove the Panel Top L with the dentist hook.

**Scrap! Not to be reused!**

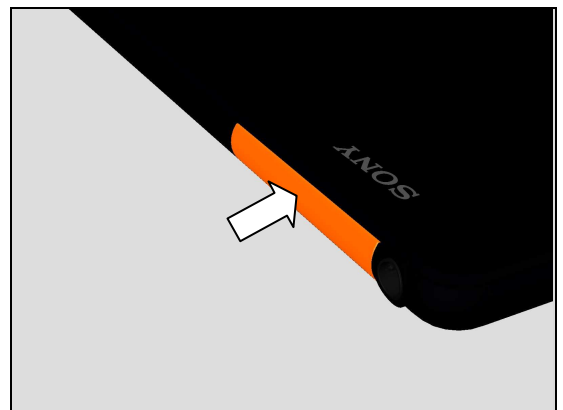
#### INSTALLATION

Place a new Panel Top L with a Flex Film Assembly Tool on the Main Frame.



Use Side Panel press, Side Panel Press Head and Side Panel Press Pad with the force of 50N for ten seconds.

Panel Top L should be pressed one four time (see arrows) to follow 1003-9107 Tool Catalogue –mechanical and document Side Panel press Instruction for use.



## Replacement

### 4.58 Panel Top R

Carry out the Removal as describe below.

Prepare new Panel Top R.

Carry out the Installation as describe below.

#### REMOVAL

Remove the Panel Top R with the dentist hook.

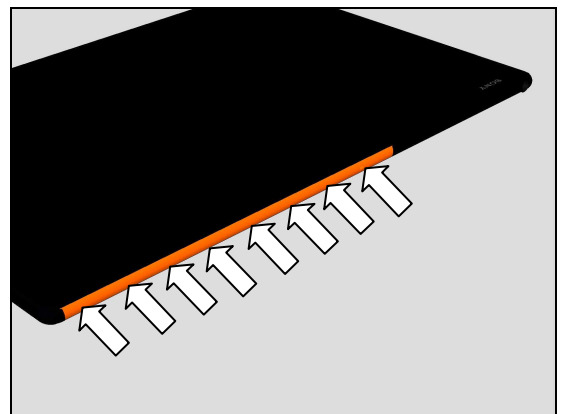
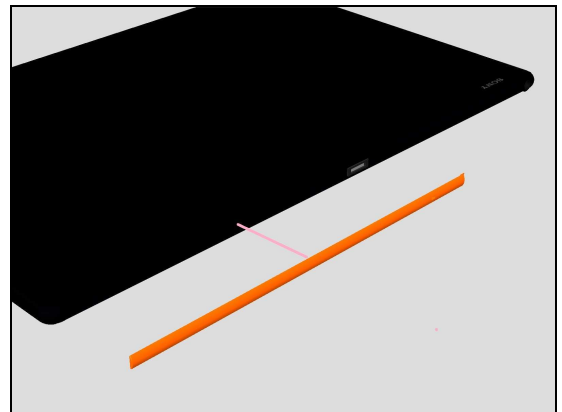
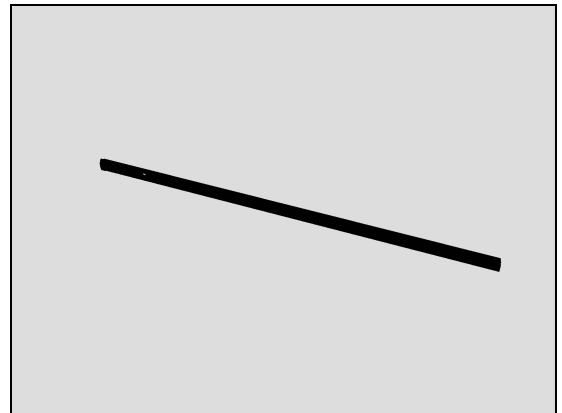
**Scrap! Not to be reused!**

#### INSTALLATION

Place a new Panel Top R with a Flex Film Assembly Tool on the Main Frame.

Use Side Panel press, Side Panel Press Head and Side Panel Press Pad with the force of 50N for ten seconds.

Panel Top R should be pressed eight time (see arrows) to follow 1003-9107 Tool Catalogue –mechanical and document Side Panel press Instruction for use.



### 4.59 Sheet Chat CAM

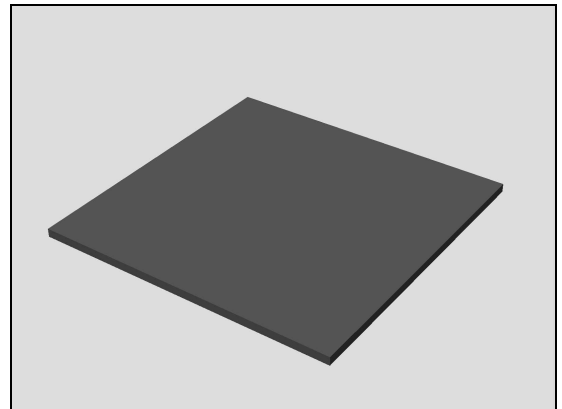
*Follow the 3.1 - 3.3 Disassembly instructions!*

Carry out the Removal as describe below!

Prepare the new Sheet Chat CAM.

Carry out the Installation as describe below!

*Follow the 4.39 Replacement Instructions, and 5.28 - 5.30 Reassembly instructions!*





## Replacement

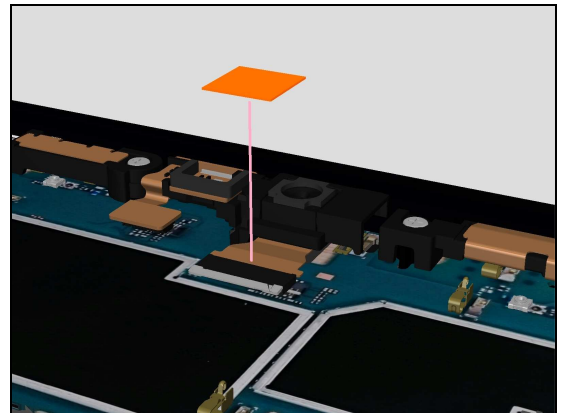
### REMOVAL

Remove the Sheet Chat CAM with Tweezers.

**Scrap! Not to be reused!**

### INSTALLATION

Place the new Sheet Chat CAM using Flex Film Assembly Tool on the Main PBA.



## 4.60 Sheet CU PBA

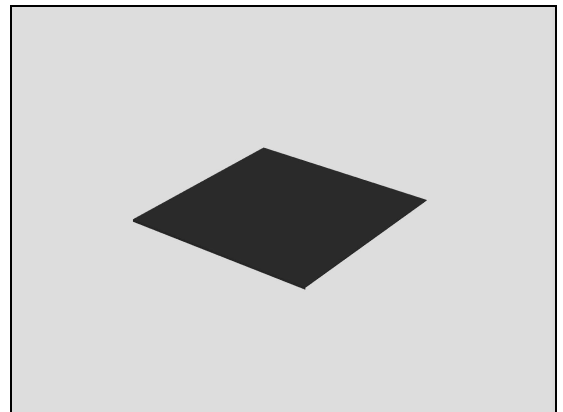
*Follow the 3.1 - 3.3, 3.6 - 3.25, 3.29, and 3.30 Disassembly instructions!*

Carry out the Removal as describe below.

Prepare new Sheet CU PBA.

Carry out Installation as describe below.

*Follow the 4.39 Replacement Instructions, and 5.2, 5.3, 5.7 – 5.25, and 5.28 - 5.30 Reassembly instructions!*



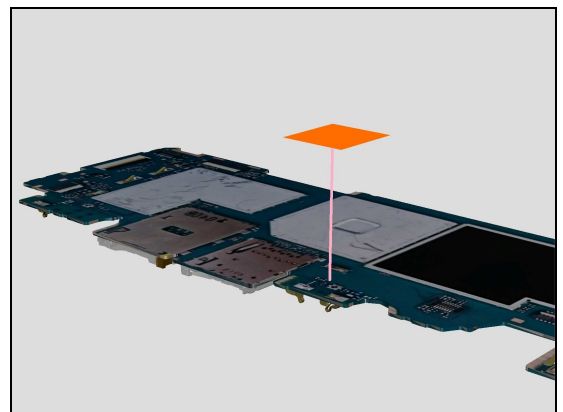
### REMOVAL

Remove the Sheet CU PBA with Tweezers.

**Scrap! Not to be reused!**

### INSTALLATION

Place the new Sheet CU PBA using Flex Film Assembly Tool on the Main PBA.



## 4.61 Sheet Graphite PBA

*(SGP771 only)*

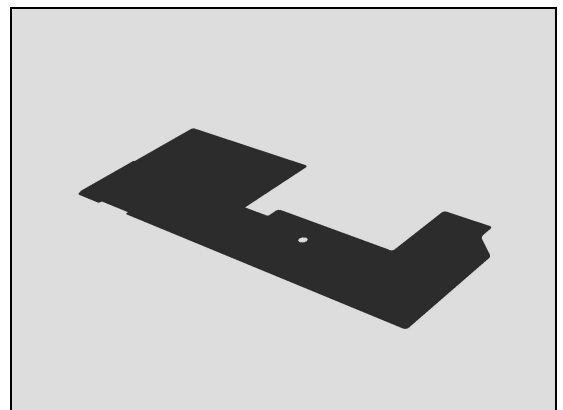
*Follow the 3.1 - 3.3, 3.6 - 3.25, 3.29, and 3.30 Disassembly instructions, and 4.65 Removal!*

Carry out the Removal as describe below.

Prepare new Sheet Graphite PBA.

Carry out Installation as describe below.

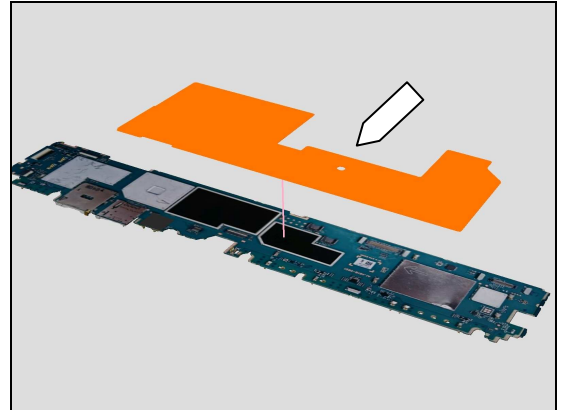
*Follow the 4.39 and 4.65 Installation, and 5.2, 5.3, 5.7 – 5.25 and 5.28 - 5.30 Reassembly instructions!*



## Replacement

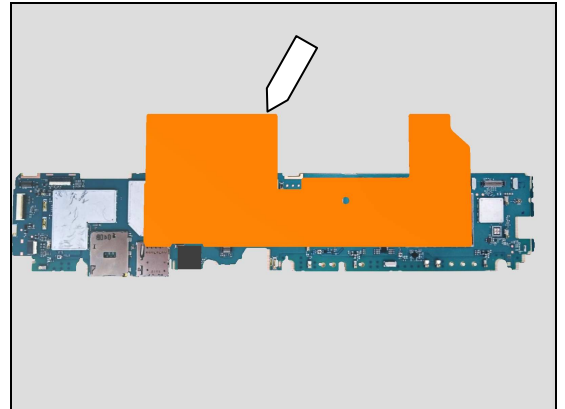
### REMOVAL

Remove the Sheet Graphite PBA with fingers.



### INSTALLATION

Place the new Sheet Graphite PBA with Fingers on the Main PBA.



## 4.62 Sheet Graphite PBA

*(SGP712 only)*

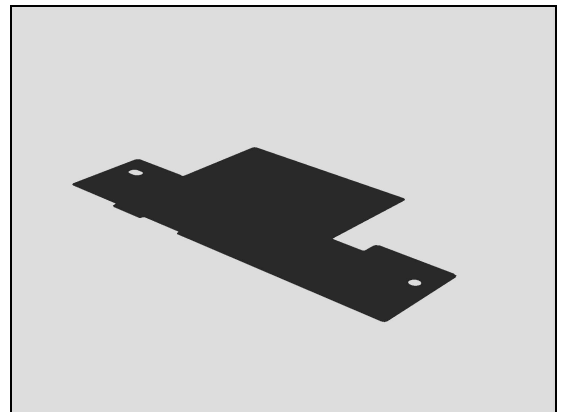
*Follow the 3.1 - 3.3, 3.6 - 3.25, 3.29, and 3.30 Disassembly instructions, and 4.66 Removal!*

Carry out the Removal as describe below.

Prepare new Sheet Graphite PBA.

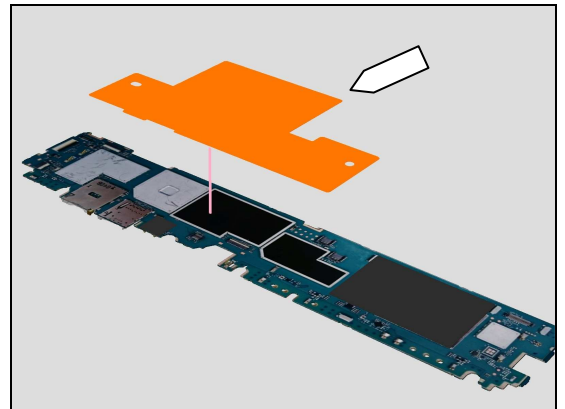
Carry out Installation as describe below.

*Follow the 4.39 and 4.66 Installation, and 5.2, 5.3, 5.7 – 5.25 and 5.28 - 5.30 Reassembly instructions!*



### REMOVAL

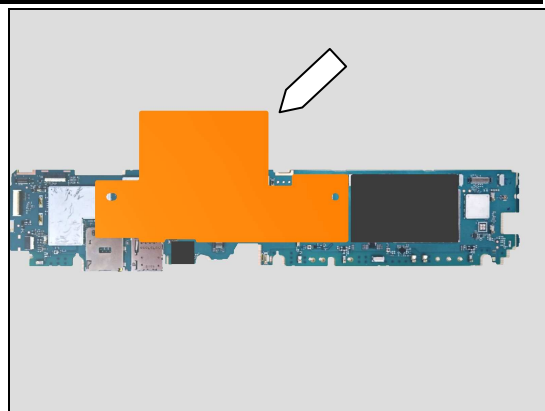
Remove the Sheet Graphite PBA with fingers.



## Replacement

### INSTALLATION

Place the new Sheet Graphite PBA with Fingers on the Main PBA.



### 4.63 Sheet Label

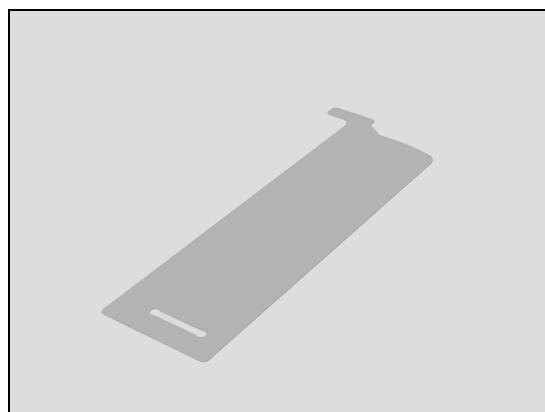
*Follow the 3.1 - 3.3 Disassembly instructions!*

Carry out the Removal as describe below!

Prepare the new Sheet Label.

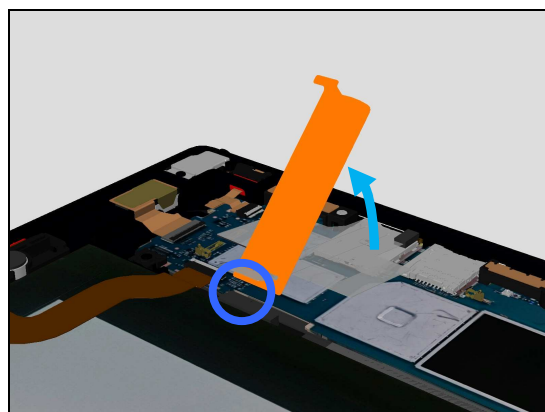
Carry out the Installation as describe below!

*Follow the 4.39 and 4.52 Replacement Instructions, and 5.28 - 5.30 Reassembly instructions!*

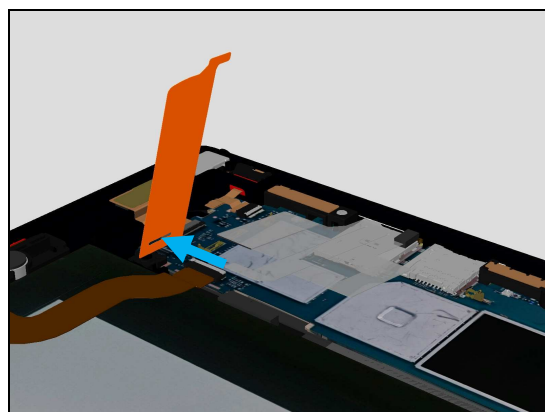


### REMOVAL

Peel off the Sheet Label Guile (Blue circled) with fingers, and then Lift up Sheet Label.



Slide out the Sheet Label with fingers along the arrow as shown in the picture.



## Replacement

### INSTALLATION

Insert Sheet Label, and affix the Sheet Label Guide.

### 4.64 Sheet Label Guide

*Follow the 3.1 - 3.3 Disassembly instructions, and 4.55 Removal!*

Carry out the Removal as describe below!

Prepare the new Sheet Label Guide.

Carry out the Installation as describe below!

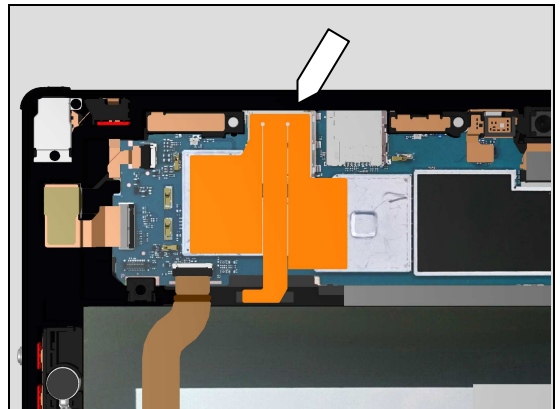
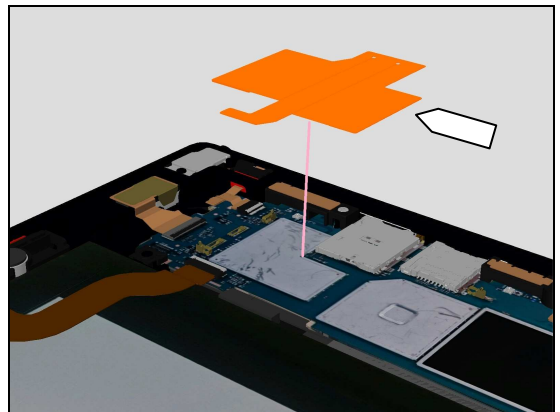
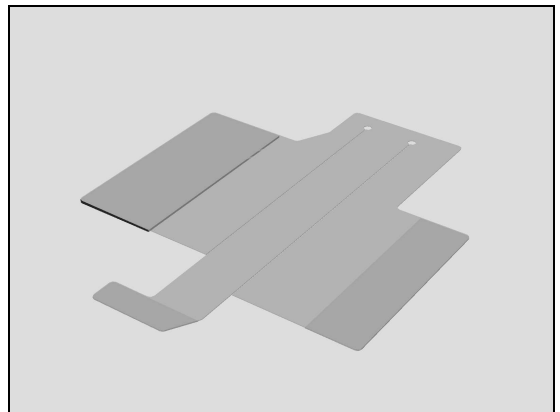
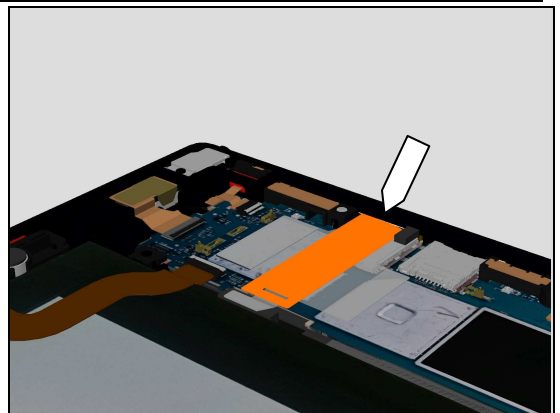
*Follow the 4.39, 4.45 and 4.63 Installation, and 5.28 - 5.30 Reassembly instructions!*

### REMOVAL

Remove the Sheet Label Guide with fingers.

### INSTALLATION

Place the Sheet Label Guide with fingers.



## Replacement

### 4.65 Sheet Spacer Graphite

(SGP771 only)

Follow the 3.1 - 3.3, 3.6 - 3.25, 3.29, and 3.30 Disassembly instructions.

Carry out the Removal as describe below.

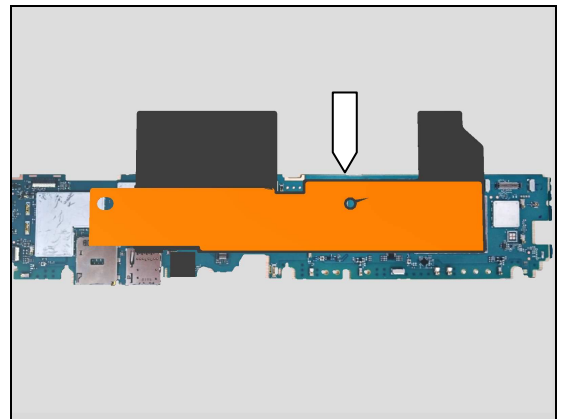
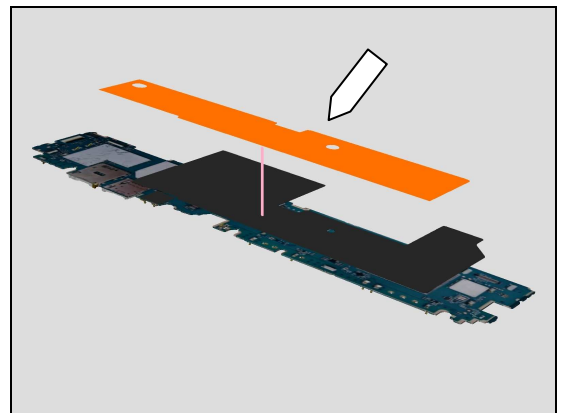
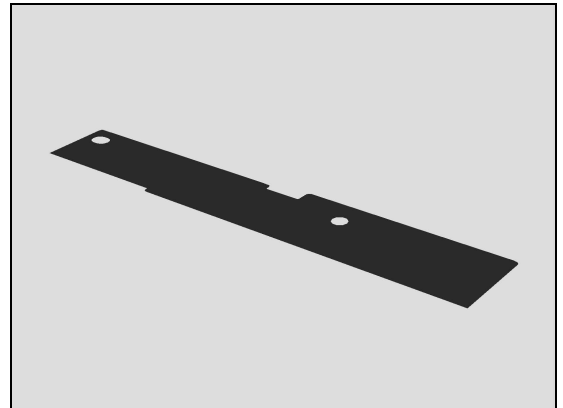
Prepare new Sheet Spacer Graphite.

Carry out Installation as describe below.

Follow the 4.39 Replacement Instructions, and 5.2, 5.3, 5.7 – 5.25, and 5.28 - 5.30 Reassembly instructions!

#### REMOVAL

Remove the Sheet Spacer Graphite with fingers.



#### INSTALLATION

Place the new Sheet Spacer Graphite with Fingers on the Main PBA.

### 4.66 Sheet Spacer Graphite (W)

(SGP712 only)

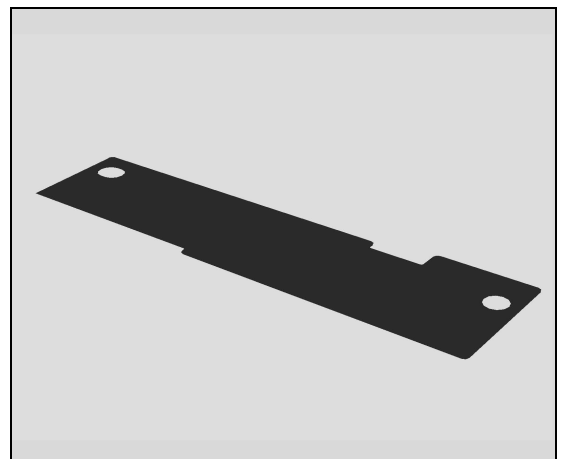
Follow the 3.1 - 3.3, 3.6 - 3.25, 3.29, and 3.30 Disassembly instructions.

Carry out the Removal as describe below.

Prepare new Sheet Spacer Graphite (W).

Carry out Installation as describe below.

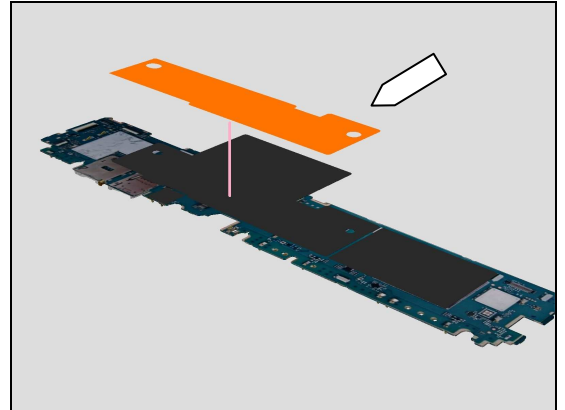
Follow the 4.39 Replacement Instructions, and 5.2, 5.3, 5.7 – 5.25, and 5.28 - 5.30 Reassembly instructions!



## Replacement

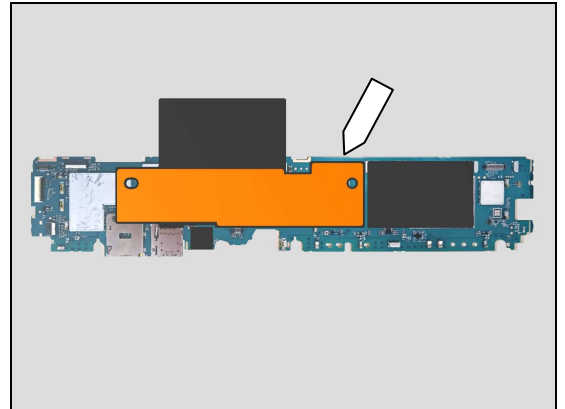
### REMOVAL

Remove the Sheet Spacer Graphite (W) with fingers.



### INSTALLATION

Place the new Sheet Spacer Graphite (W) with Fingers on the Main PBA



## 4.67 Sheet Spacer PBA (W)

*(SGP712 only)*

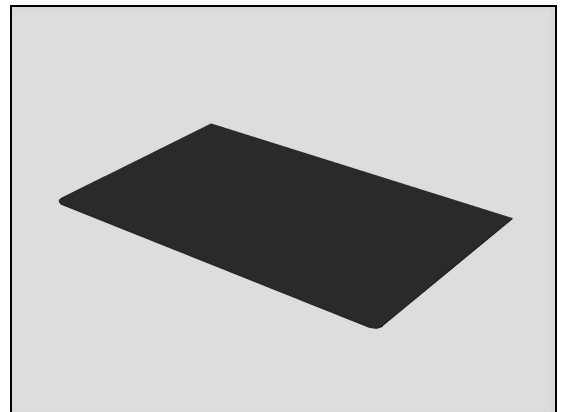
*Follow the 3.1 - 3.3, 3.6 - 3.25, 3.29, and 3.30 Disassembly instructions.*

Carry out the Removal as describe below.

Prepare new Sheet Spacer PBA (W).

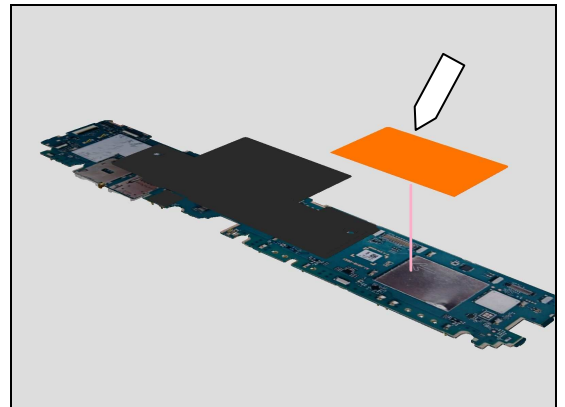
Carry out Installation as describe below.

*Follow the 4.39 Replacement Instructions, and 5.2, 5.3, 5.7 – 5.25, and 5.28 - 5.30 Reassembly instructions!*



### REMOVAL

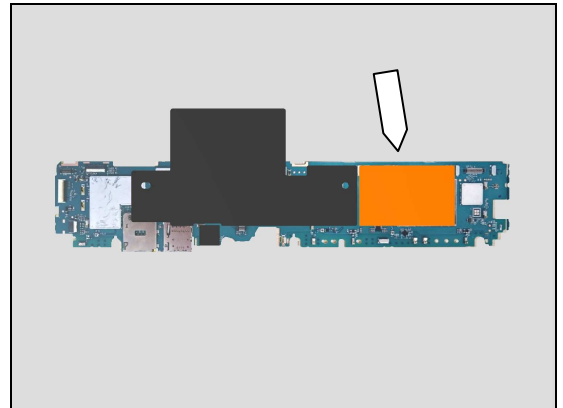
Remove the Sheet Spacer Graphite (W) with fingers.



## Replacement

### INSTALLATION

Place the new Sheet Spacer Graphite (W) with Fingers on the Main PBA

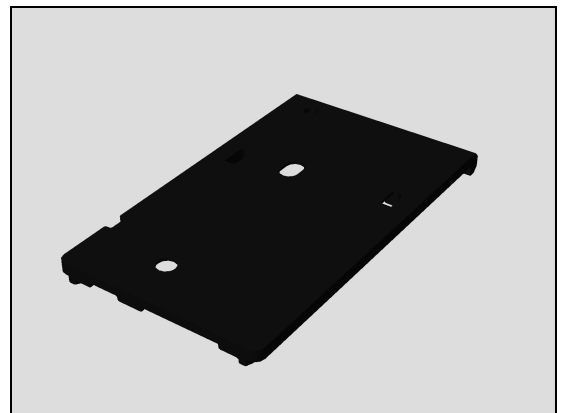


### 4.68 SIM Tray

Carry out the Removal as describe below!

Prepare the new SIM Tray.

Carry out the Installation as describe below!



### REMOVAL

Open Cap Assembly and remove the SIM Tray with fingers.

### INSTALLATION

Insert the SIM Tray into the SIM slot with fingers, and close the Cap Assembly.



### 4.69 Terminal DTV

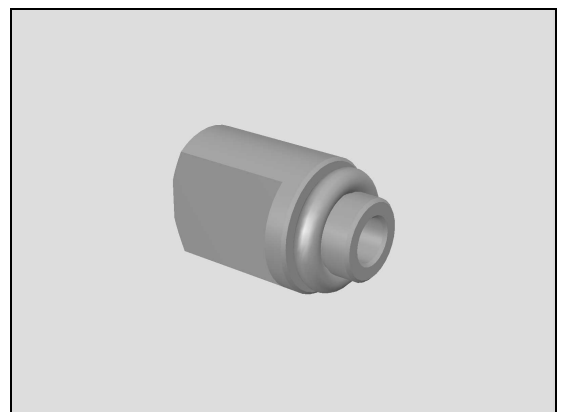
*Follow the 3.1 - 3.3 Disassembly instructions!*

Carry out the Removal as describe below!

Prepare the new Terminal DTV.

Carry out the Installation as describe below!

*Follow the 4.39 Replacement Instructions, and 5.28 - 5.30 Reassembly instructions!*





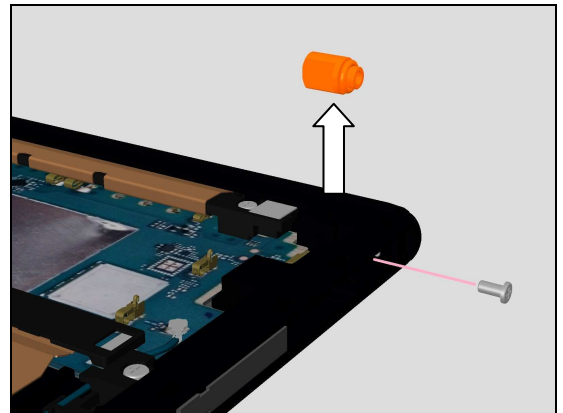
## Replacement

### REMOVAL

Remove the Screw M1.4 x 3.0 using a screwdriver with Bits (JCIS No 0).

**Scrap! Do not reuse!**

And, remove the Terminal DTV using Tweezers.



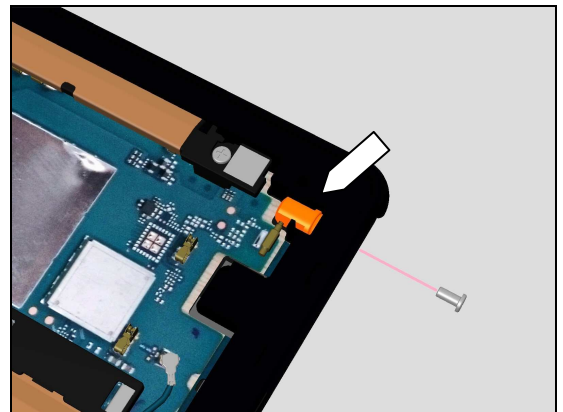
### INSTALLATION

Place the Terminal DTV on the Main Frame.

Prepare new Screw M1.4 x 3.0, and tighten it using the screw driver..

Bit : JCIS No 0

Torque : 12.5 Ncm



## 4.70 Washer DTV Terminal

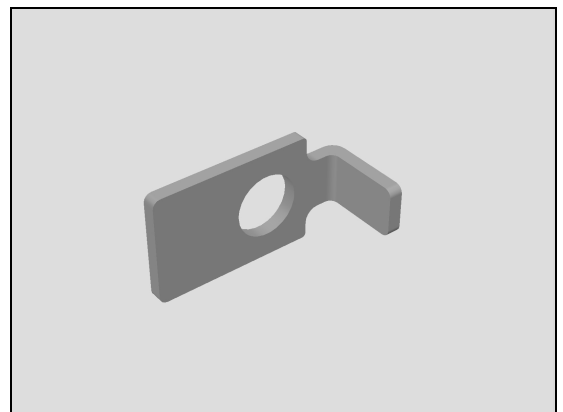
*Follow the 4.56 Removal!*

Carry out the Removal as describe below!

Prepare the new Washer DTV Terminal.

Carry out the Installation as describe below!

*Follow the 4.56 Installation!*

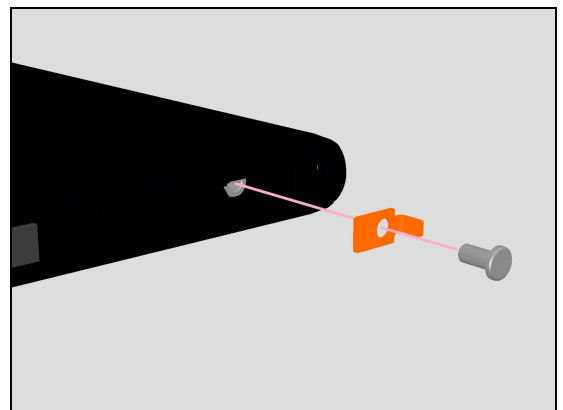


### REMOVAL

Remove the Screw M1.4 x 3.0 using a screwdriver with Bits (JCIS No 0).

**Scrap! Do not reuse!**

And, remove the Washer DTV Terminal using Tweezers.





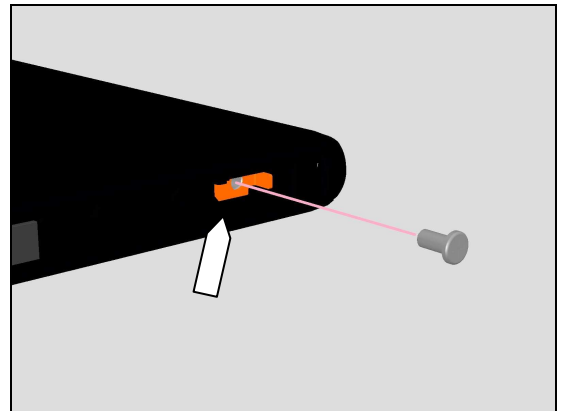
## Replacement

### INSTALLATION

Place the Washer DTV Terminal on the Main Frame.  
Prepare the new Screw M1.4 x 3.0, and tighten it using the screw driver.

Bit : JCIS No 0

Torque : 12.5 Ncm



### 4.71 Water Indicator

**Note! Water Indicator is affixed on the Antenna WLAN Sub.**

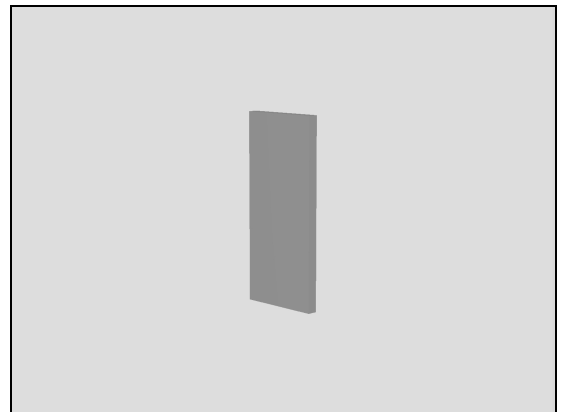
*Follow the 3.1 - 3.3 and 3.12 Disassembly instructions!*

Carry out the Removal as describe below!

Prepare the new Water Indicator.

Carry out the Installation as describe below!

*Follow the 4.39 Replacement Instructions, and 5.19 and 5.28 - 5.30 Reassembly instructions!*



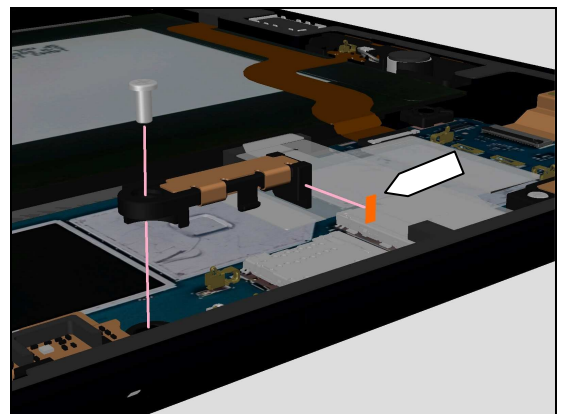
### REMOVAL

Remove the Water Indicator.

**Scrap! Do not reuse!**

### INSTALLATION

Place the Water Indicator on the Antenna WLAN Sub using Flex Film Assembly Tool.



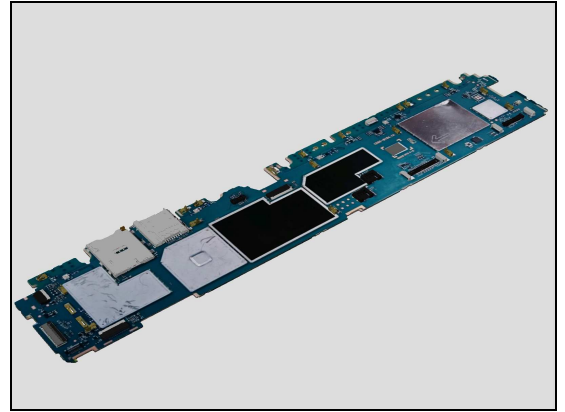
## Replacement

### 4.72 Board Swap – Replacement

*Follow the 3.1 - 3.3, 3.6 - 3.25, 3.29, and 3.30 Disassembly instructions!*

Prepare the new Main PBA.

Follow the 4.39, 4.44 and 4.60 Replacement Instructions, and 5.2, 5.3, 5.7 – 5.25, and 5.28 - 5.30 Reassembly instructions!



Press the On/Off key to power on the unit, place unit on flat desk and wait 4 minutes until system boot up has been completed.

**Please DO NOT move the unit during the start up until “Select Language” menu is shown on the display!**

After “Select Language” menu, turn off the unit.

**Follow the calibrations in Sony Mobile Application 1289-2983 –mechanical.**

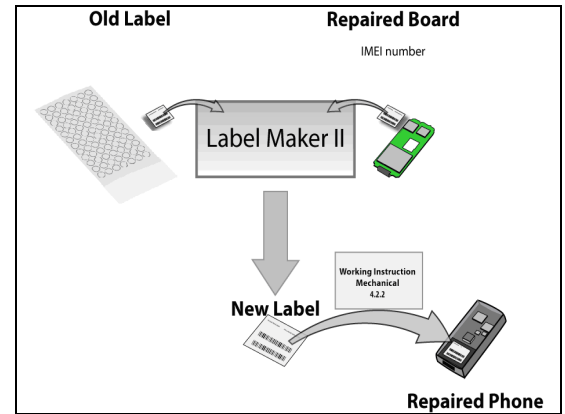
- Accelerometer
- Gyroscope
- Noise cancelling
- Proximity sensor
- Color Code

## Replacement

### 4.73 Board Swap – Change Label

#### CHANGE LABEL

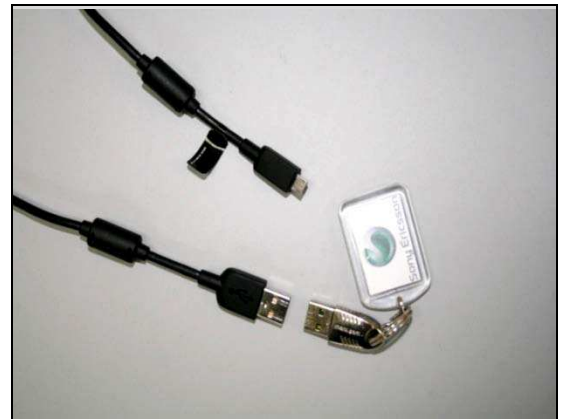
Follow the instructions in the Generic Repair Manual – Build swap for change of label.



### 4.74 Board Swap – Customize of Software

#### CUSTOMIZE OF SOFTWARE

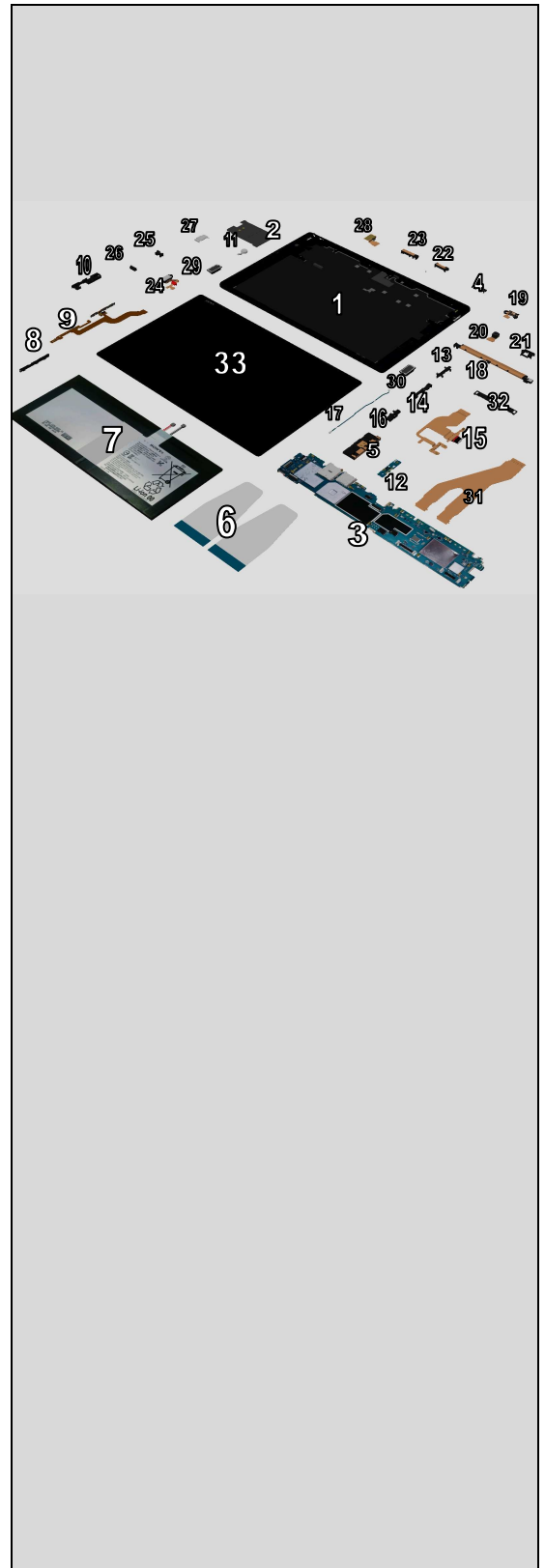
Follow the instructions in the Generic Repair Manual – Build swap for customization of the software.



## 5 Reassembly

The assembly is done in the following order:

1. Frame Main Assembly
2. Antenna NFC
3. Main PBA
4. Holder PBA
5. Antenna Sub
6. Adhesive Battery
7. Battery 6000.0 mAh
8. Holder FKC Key
9. FPC Assembly Relay Key
10. Holder Key Sub Assembly
11. Vibrator
12. Sub PBA
13. Holder USB Top
14. Holder USB Bottom
15. FPC Assembly Relay USB
16. Holder Co Axial
17. Cable RF Coax
18. Antenna Main
19. FPC Assembly Sensor
20. Camera Chat 5 MPixel
21. Frame Sub Cam
22. Antenna WL Sub
23. Antenna WL Main
24. FPC Assembly Audio Jack
25. Holder AU Jack Grommet
26. Holder AU Jack
27. Plate Audio Jack
28. Camera Main 8 MPixel
29. Speaker Assy (L)
30. Speaker Assy (R)
31. FPC Assembly Relay LCD
32. Holder LCD Relay BtB
33. Display Assembly



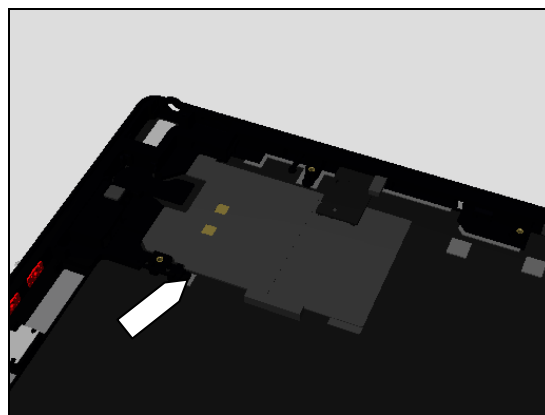
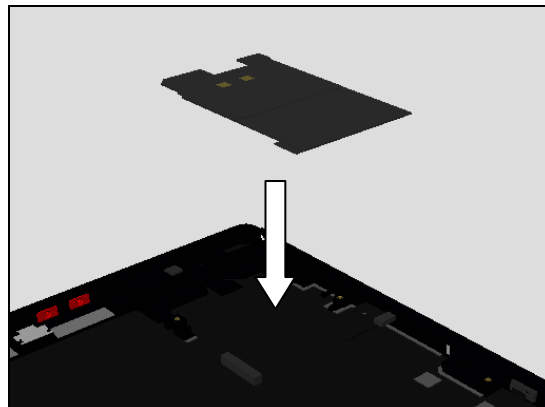
## Reassembly

### 5.1 Antenna NFC

Place and secure the Antenna NFC with fingers.

**Note: Antenna NFC is not reusable. Prepare new parts.**

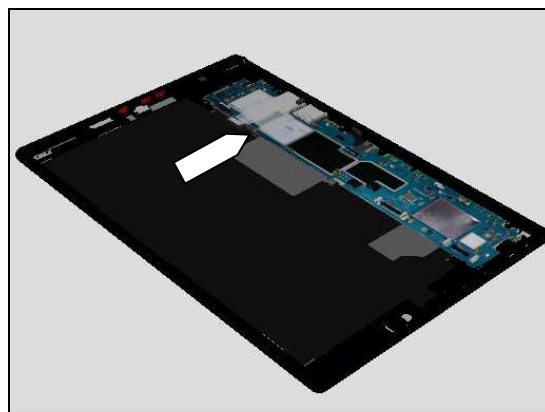
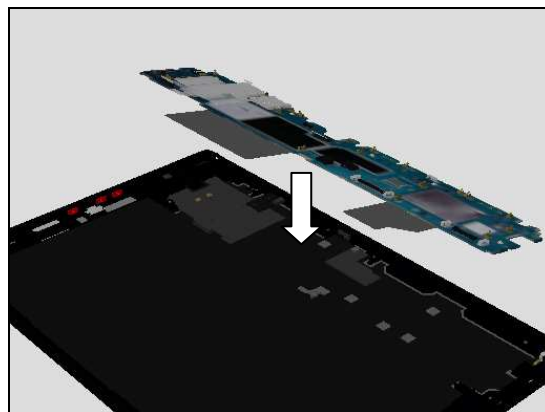
Secure Antenna NFC position, and press 10 seconds with fingers.



### 5.2 Main PBA

Place the Main PBA with fingers.

Secure the Main PBA position.



## Reassembly

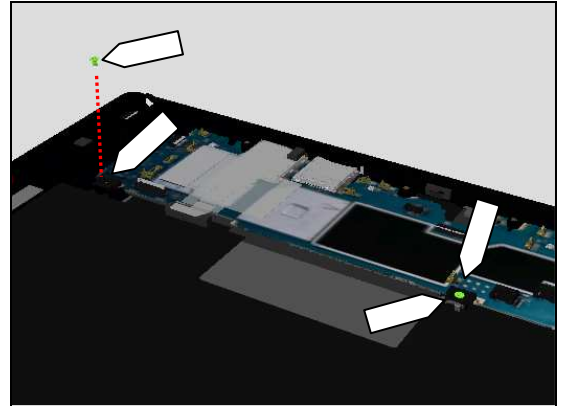
### 5.3 Holder PBA

Place the Holder PBA using Tweezers.

Prepare new two screws M1.4 x 1.8, and tighten them.

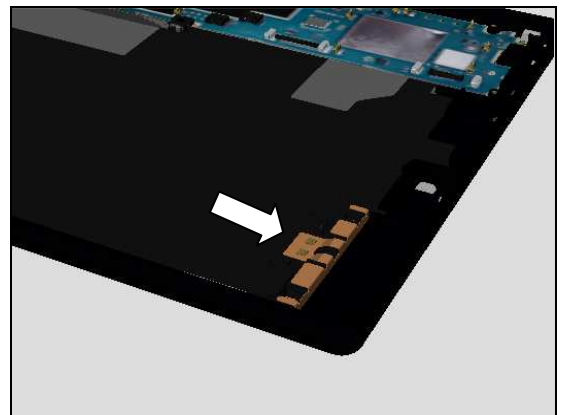
Bit : JCIS No 0

Torque : 12.5 Ncm



### 5.4 Antenna Sub

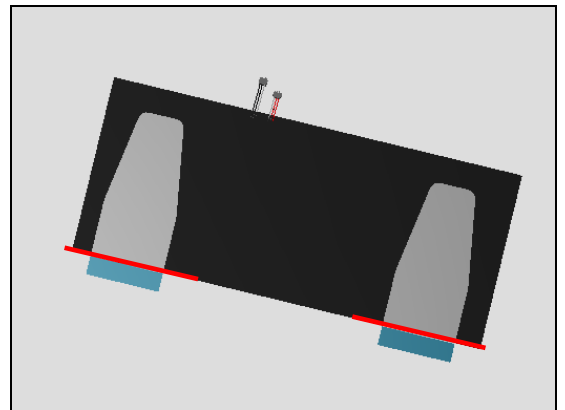
Place the Antenna Sub with fingers.



### 5.5 Adhesive Battery

Affix the Adhesive Battery on the Battery, and press with fingers.

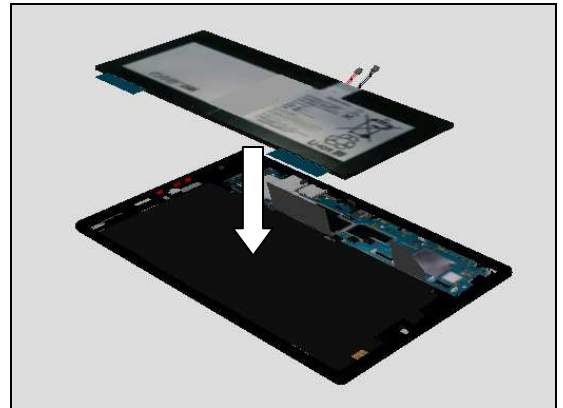
**Note!** The blue tab should be position exactly at the edge of the Battery, refer to the red line in picture.



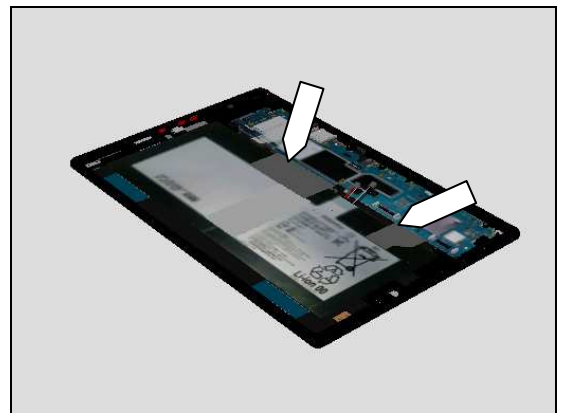
## Reassembly

### 5.6 Battery 6000.0 mAh

Place the Battery 6000.0 mAh with fingers.

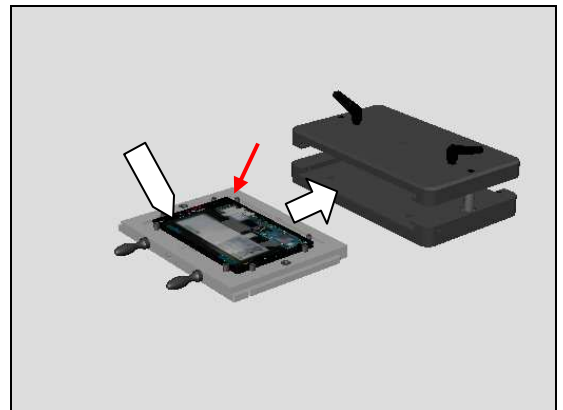


Secure the Battery 6000.0 mAh position, and make sure that Sheet Graphite PBA is pasted over the Battery 6000.0 mAh.

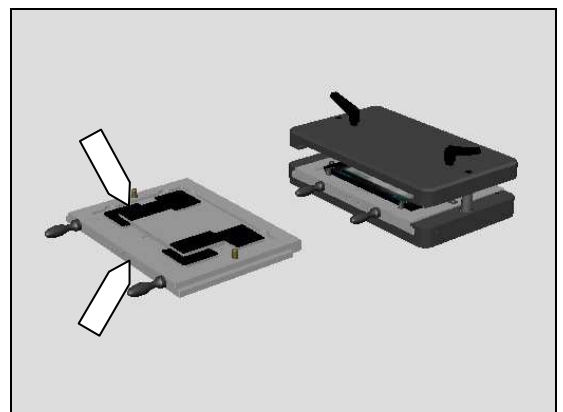


Place the unit on the Bottom Press Inlay, and insert to the Generic Press Tool.

Red arrow indicates top left corner of the unit.

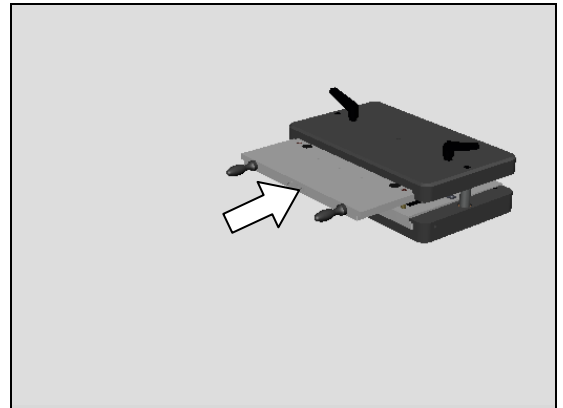


Install the Battery Top Inlay on the Display Press Top Inlay Corners.

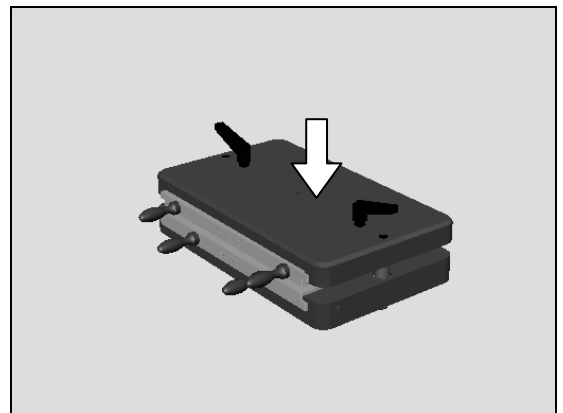


## Reassembly

Insert the Display Press Top Inlay Corners + Battery Top Inlay to the Generic Press Tool.

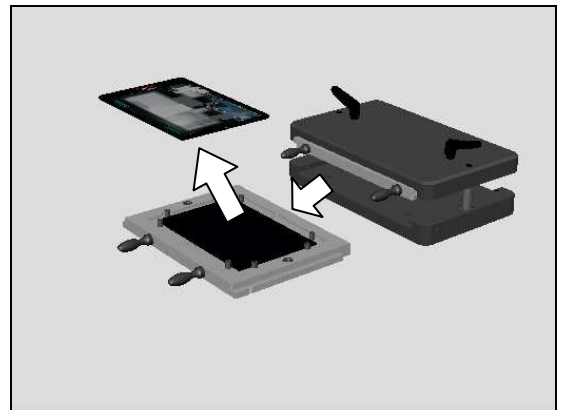


Press it with a pressure value of 190N (+-10N) for ten seconds.



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

Remove the Bottom Press Inlay, and take out the unit. Confirm if Battery is affixed on the unit.





## Reassembly

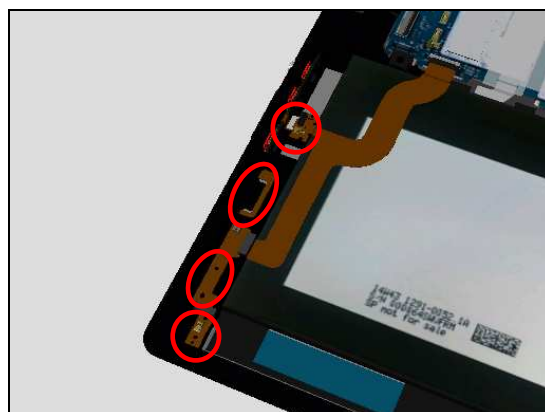
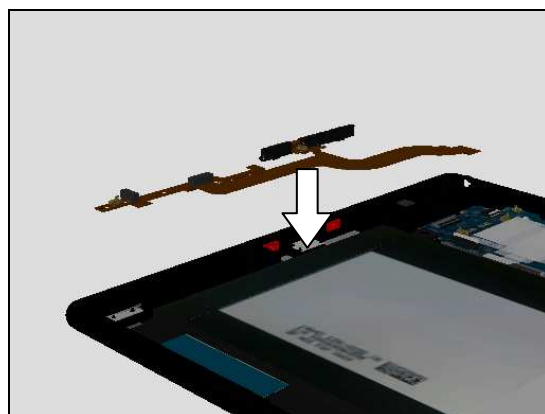
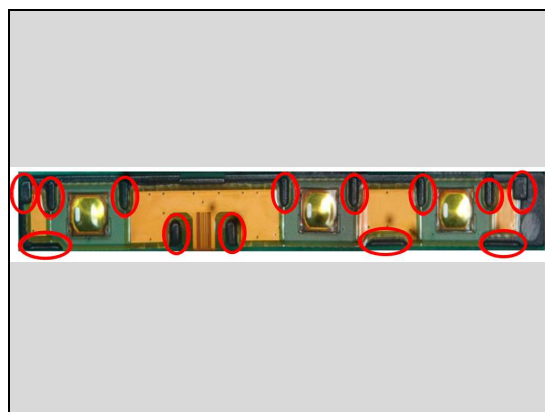
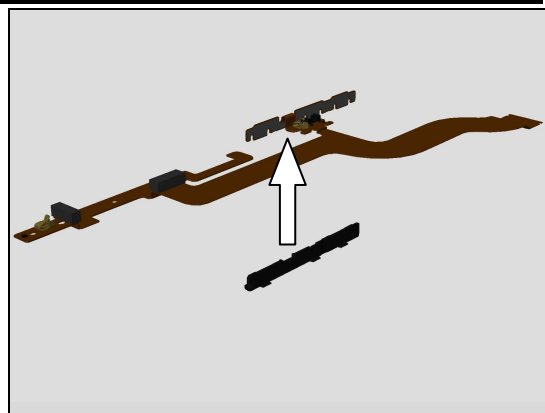
### 5.7 Holder FPC Key and FPC Assembly Relay Key

Assemble Holder FPC Key and FPC Assembly Relay Key.

Check if FPC Assembly Relay Key is not over the ribs of Holder FPC Key (red circled portion).

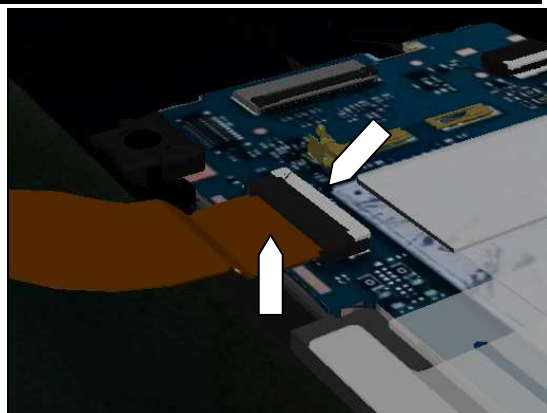
Place the FPC Assembly Key on the unit with Flex Film Assembly Tool.

Press the red circled portion with Nylon Pointer.



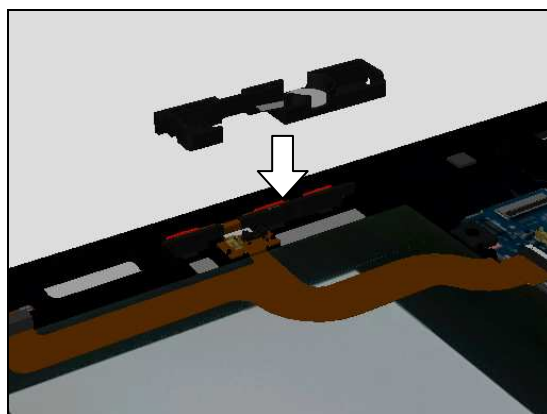
## Reassembly

Connect FPC Assembly Key into the ZIF connector with Flex Film Assembly Tool.

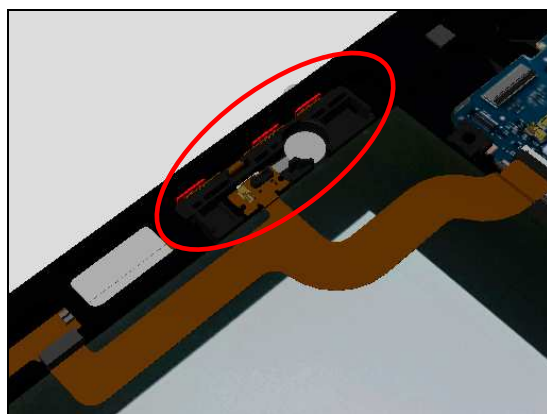


### 5.8 Holder Key Sub Assembly

Place the Holder Key Sub Assembly on the unit.

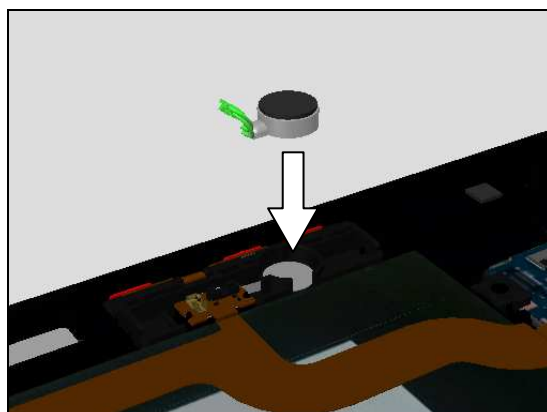


Press the Holder Key Sub Assembly with fingers.



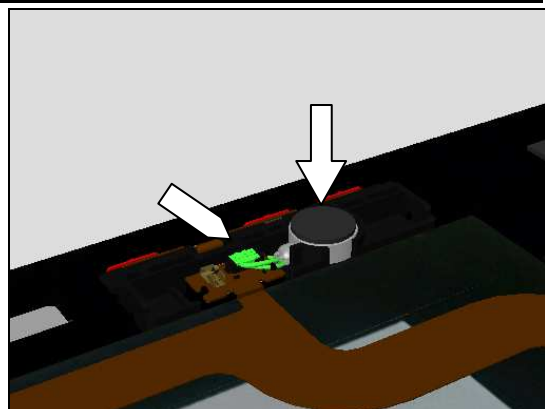
### 5.9 Vibrator

Place the Vibrator with fingers.



## Reassembly

Connect the connector, and press the Vibrator with fingers.



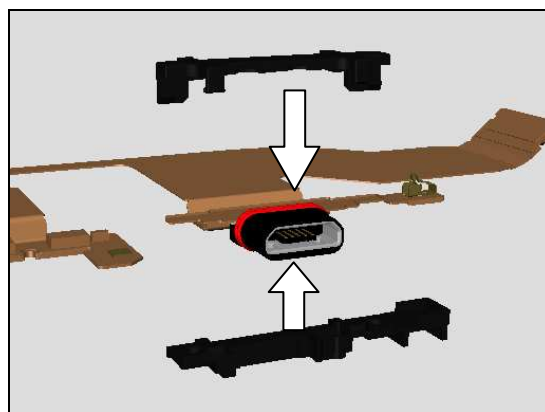
### 5.10 Sub PBA

Place the Sub PBA on the Antenna Sub.  
(N/A for SGP712)

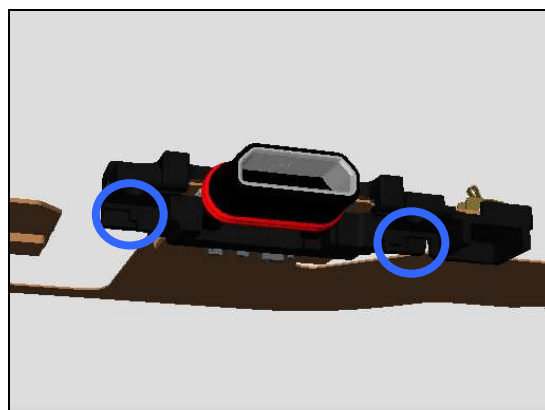


### 5.11 Holder USB Top and Holder USB Bottom

Place the Holder USB Top and Holder USB Bottom on the FPC Assembly Relay USB.



Make sure hooks (blue circled) are locked.



### 5.12 FPC Assembly Relay USB

Place the FPC Assembly Relay USB using Flex Film Assembly Tool.

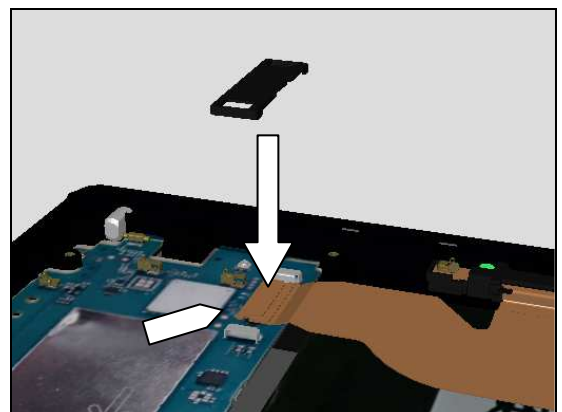
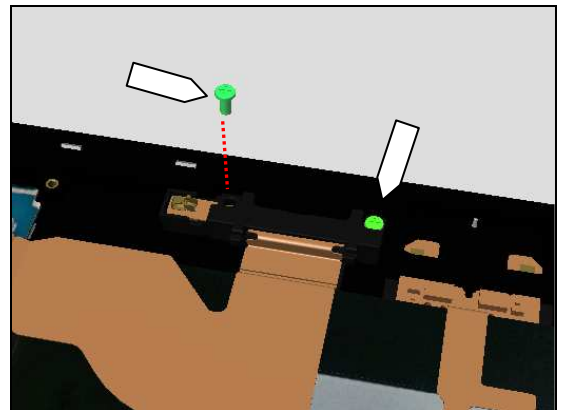
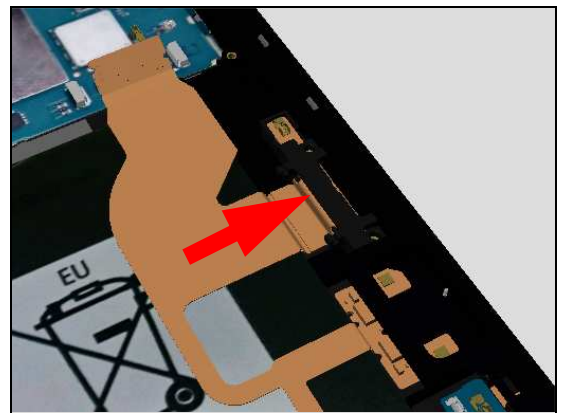
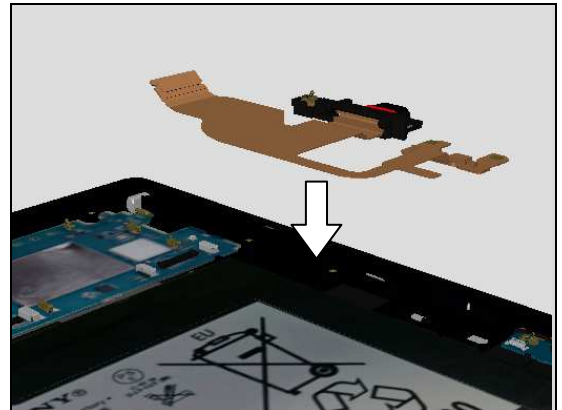
Press the USB connector to the Frame (red arrow direction) to be fully inserted.

Prepare the two Screws M1.4 x 3.0, and tighten them.

Bit : JCIS No 0

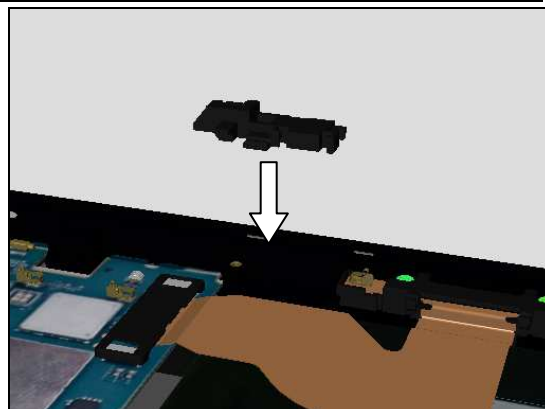
Torque : 12.5 Ncm

Connect B to B Connector, and place Holder LCD Relay BtB.



### 5.13 Holder Co Axial

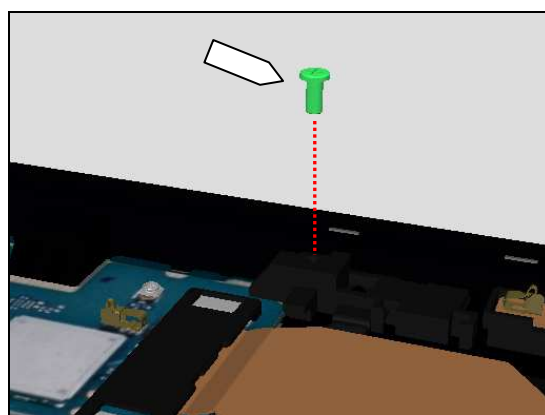
Place the Holder Co Axial with fingers.



Prepare the Screw M1.4 x 3.0, and tighten it.

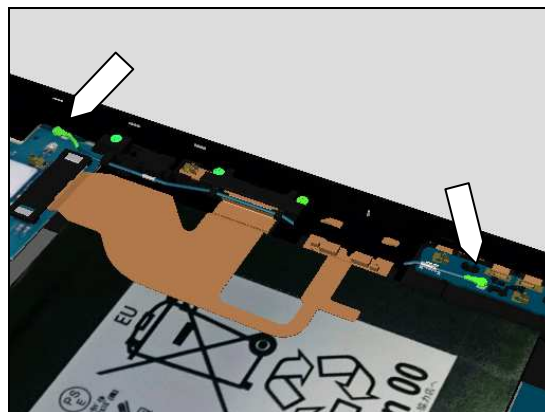
Bit : JCIS No 0

Torque : 12.5 Ncm

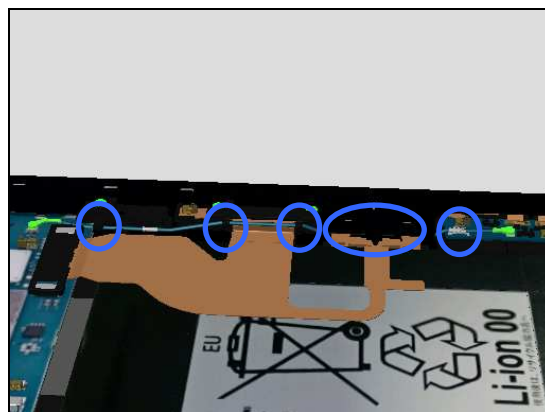


### 5.14 Cable RF Coax

Place the Cable RF Coax, and connect connectors.



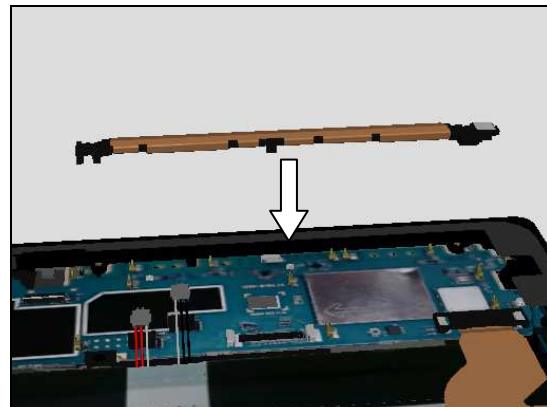
Make sure routing of Cable RF Coax.



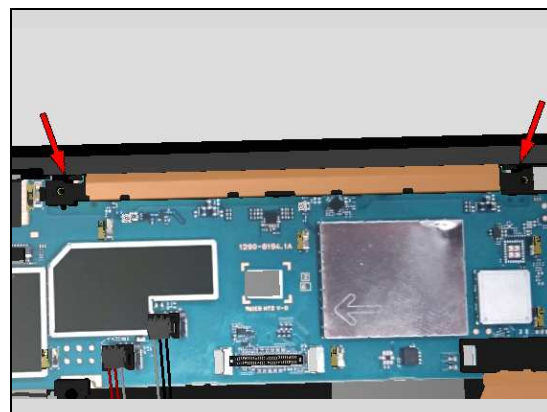
## Reassembly

### 5.15 Antenna Main

Place the Antenna Main with fingers.



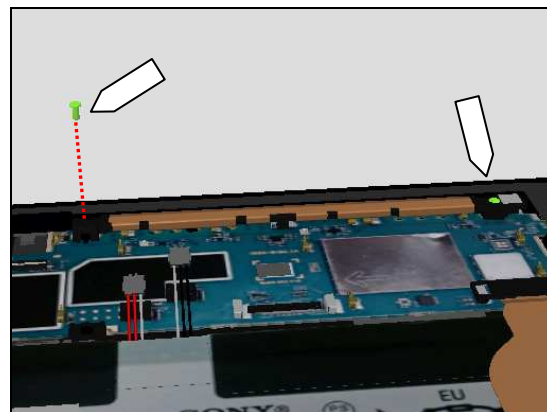
Make sure hooks are locked.



Prepare the two Screws M1.4 x 3.0, and tighten them.

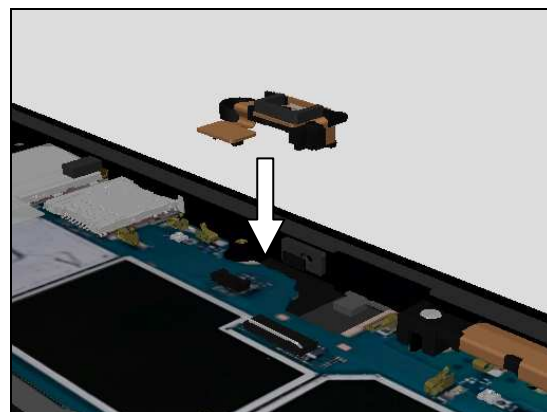
Bit : JCIS No 0

Torque : 12.5 Ncm



### 5.16 FPC Assembly Sensor

Place the FPC Assembly Sensor





Connect B to B connector.



### 5.17 Camera Chat 5 MPixel

Place the Camera Chat 5 MPixel and connect to the ZIF connector using Flex Film Assembly Tool.

And lock the ZIF connector.

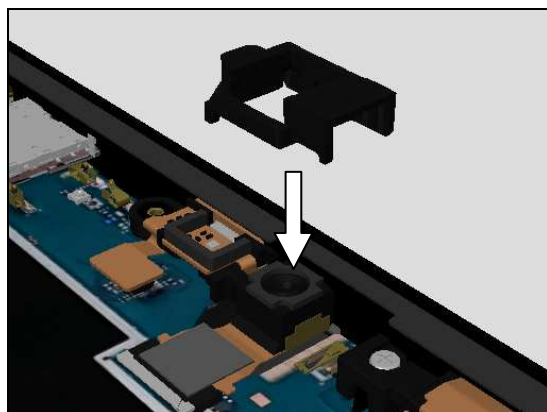


Affix the Sheet Chat CAM.



### 5.18 Frame Sub Camera

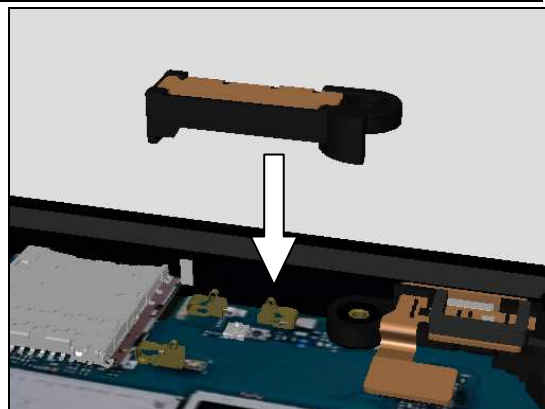
Place the Frame Sub Camera.



## Reassembly

### 5.19 Antenna WL Sub

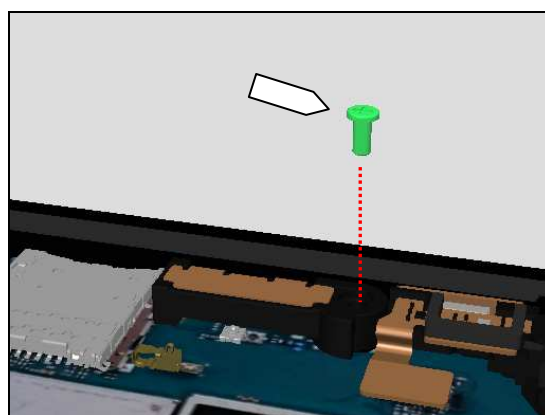
Place the Antenna WL Sub with fingers.



Prepare the Screw M1.4 x 3.0, and tighten it.

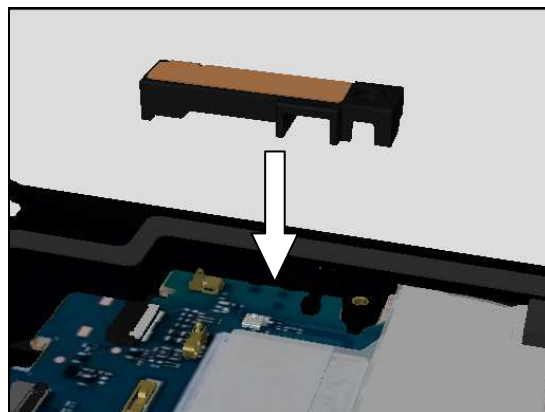
Bit : JCIS No 0

Torque : 12.5 Ncm



### 5.20 Antenna WL Main

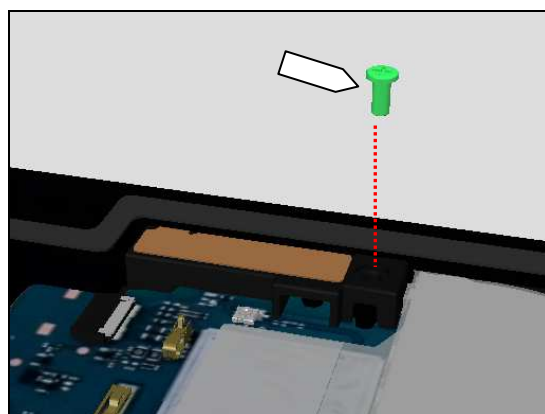
Place the Antenna WL Main with fingers.



Prepare the Screw M1.4 x 3.0, and tighten it.

Bit : JCIS No 0

Torque : 12.5 Ncm

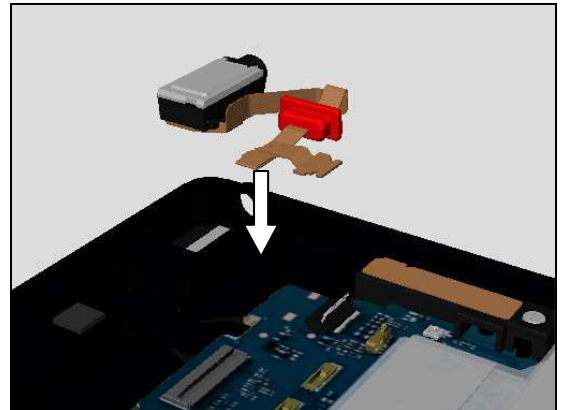




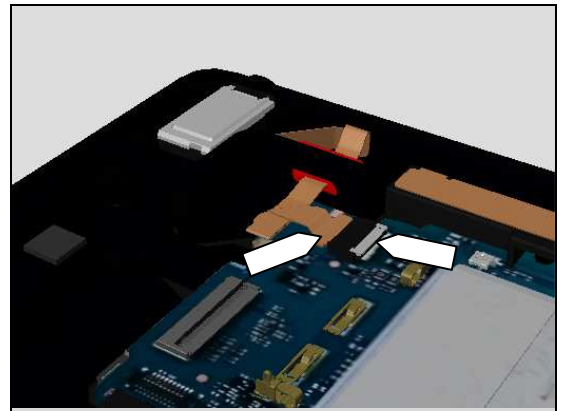
## Reassembly

### 5.21 FPC Assembly Audio Jack

Place the FPC Assembly Audio Jack using Flex Film Assembly Tool.

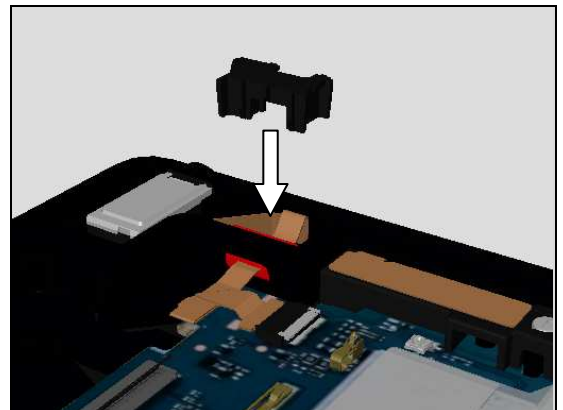


Connect the FPC Assembly Audio Jack to the ZIF connector using Flex Film Assembly Tool, and lock the ZIF connector.



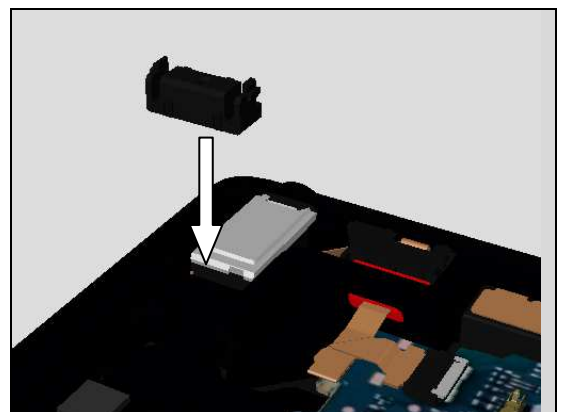
### 5.22 Holder AU Jack Grommet

Place the Holder AU Jack Grommet with fingers.



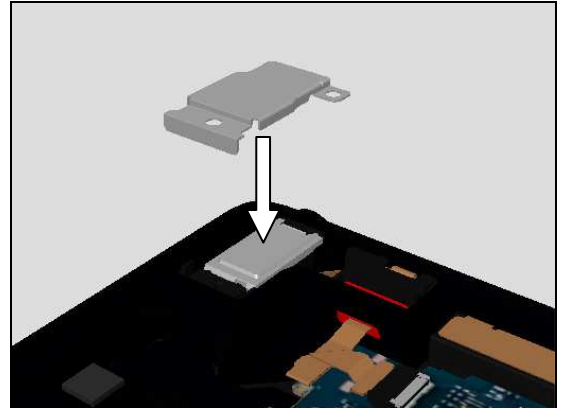
### 5.23 Holder AU Jack

Place the Holder AU Jack with fingers.



### 5.24 Plate Audio Jack

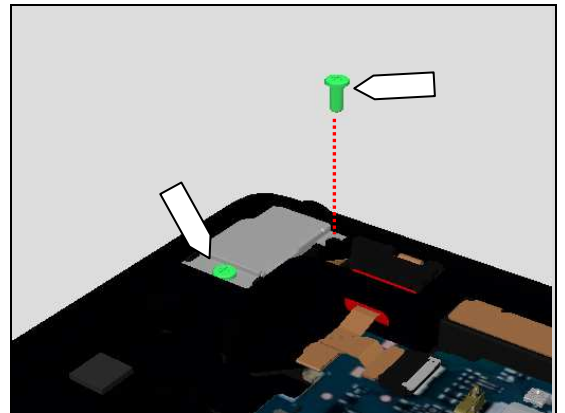
Place the Plate Audio Jack with Tweezers.



Prepare the two Screws 1.4 x 3.0, and tighten them.

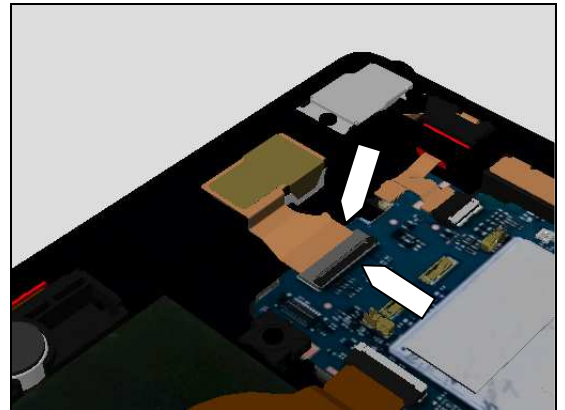
Bit : JCIS No 0

Torque : 11 Ncm



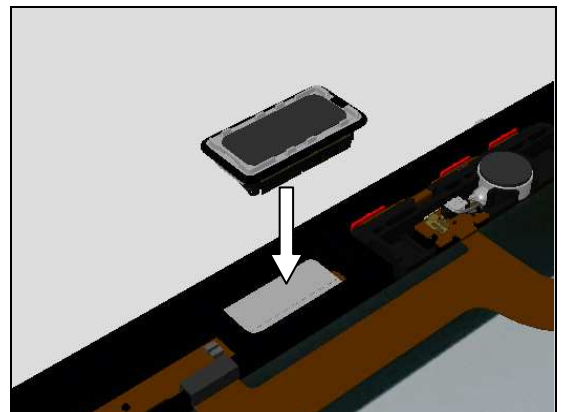
### 5.25 Camera Main 8 MPixel

Place the Camera Main 8 MPixel using Flex Film Assembly Tool, and lock the ZIF connector.



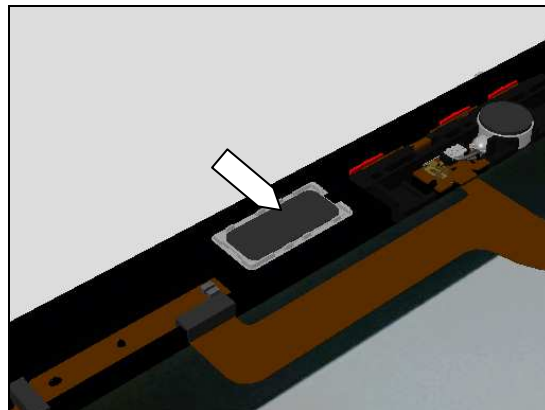
### 5.26 Speaker Assy (L)

Place the Speaker Assembly with fingers.



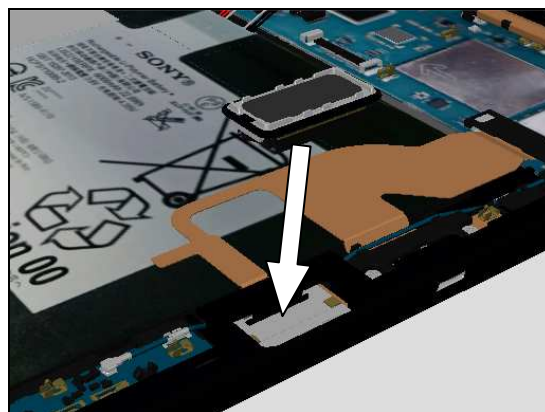
## Reassembly

Position Cap SP Assembly gently into the cavity.

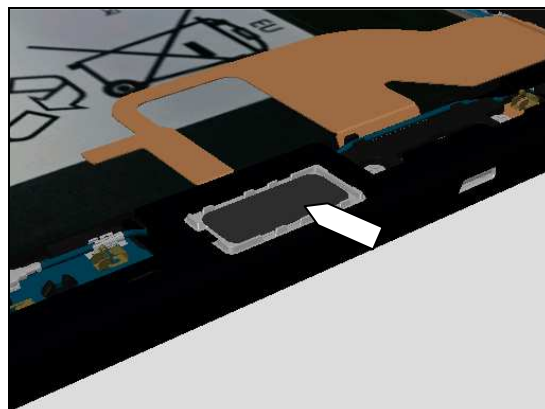


### 5.27 Speaker Assy (R)

Place the Speaker Assembly with fingers.

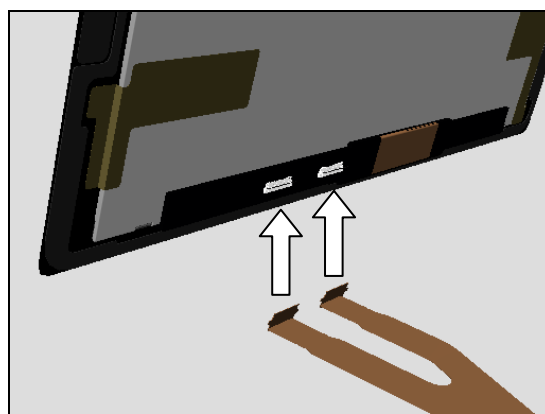


Position Cap SP Assembly gently into the cavity.



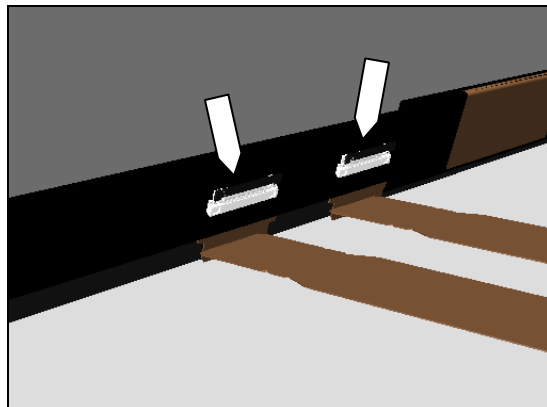
### 5.28 FPC Assembly Relay LCD

Insert FPC Relay LCD to the ZIF connector on the Display Assembly.

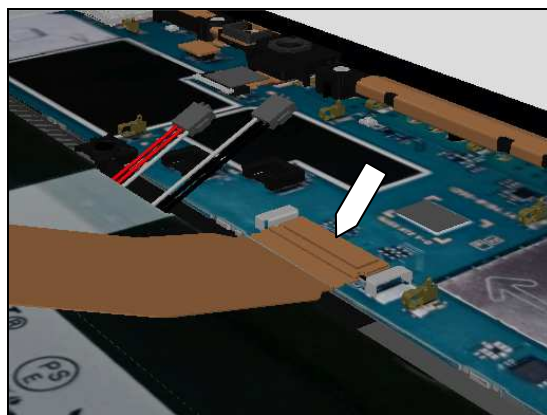


## Reassembly

Lock the ZIF connector.

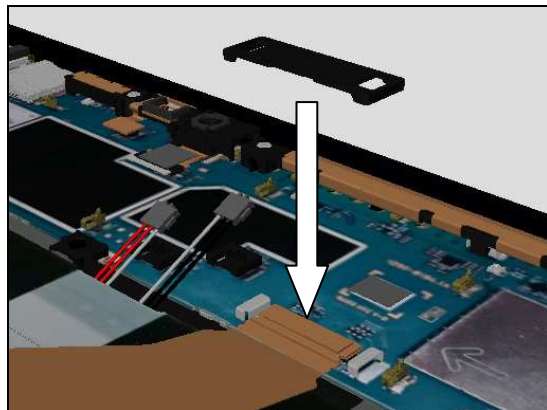


Connect the FPC Assembly Relay LCD to the B to B connector on the PBA Main.



### 5.29 Holder LCD Relay BtB

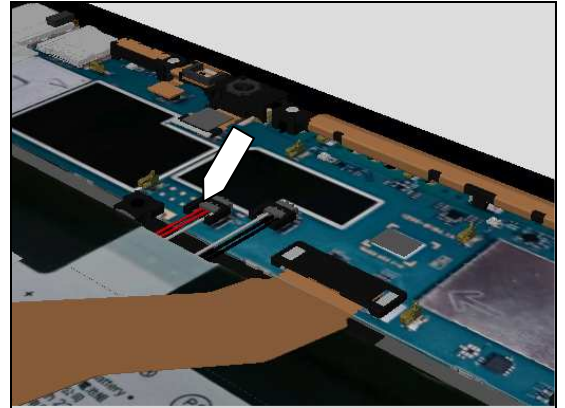
Place the Holder LCD Relay BtB with finger, and Press with fingers to secure the installing.



Connect Battery connector 1.



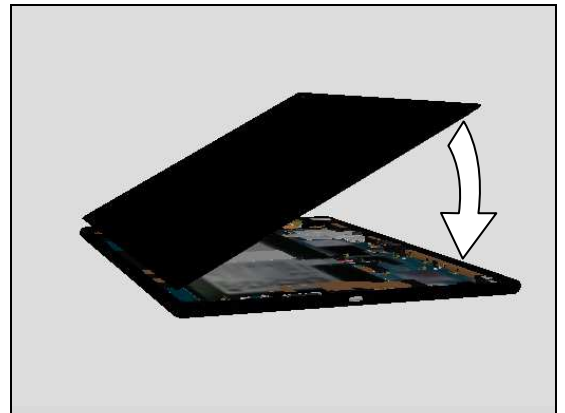
Connect Battery connector 2.



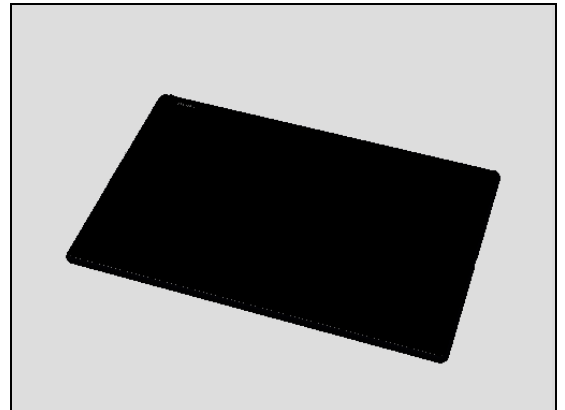
### 5.30 Display Assembly

Follow 4.39 Adhesive WR LCD Replacement instructions!  
Make sure to remove the old Adhesive WR LCD on the both Main Frame and Display Assembly, and new Adhesive WR LCD is placed in Display Assembly correctly.

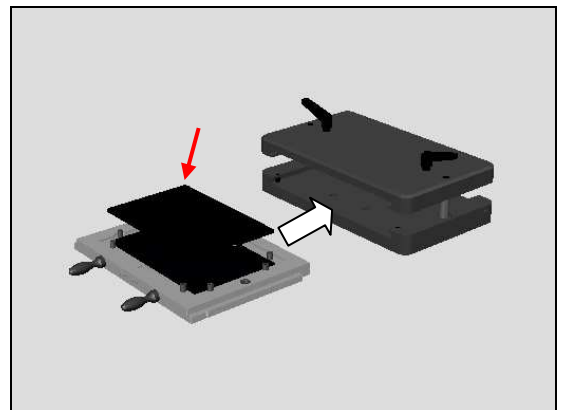
Close the Display Assembly with fingers.



Secure the position of the Display Assembly with fingers.

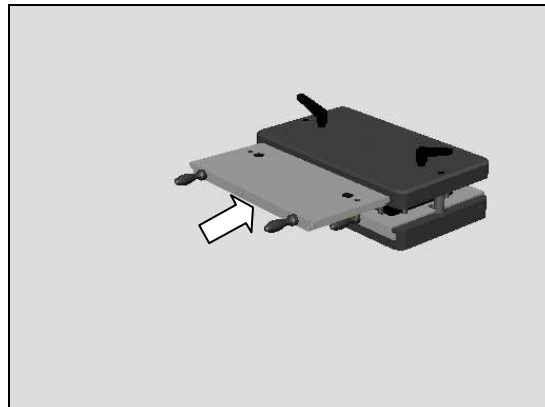


Place the unit with Display up and Sony logo mark is top left of the Lower Inlay (refer to red arrow), and insert to the Generic Press Tool..



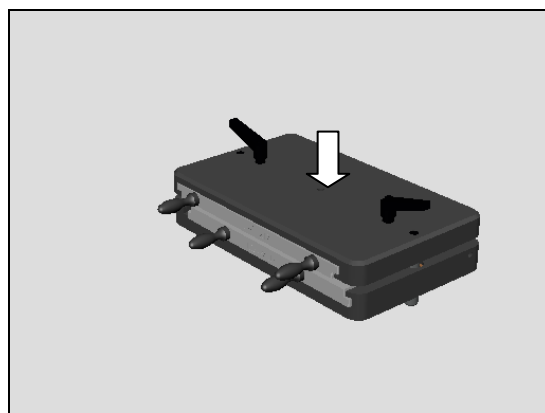
## Reassembly

Insert the Display Press Top Inlay Edges to the Generic Press Tool.

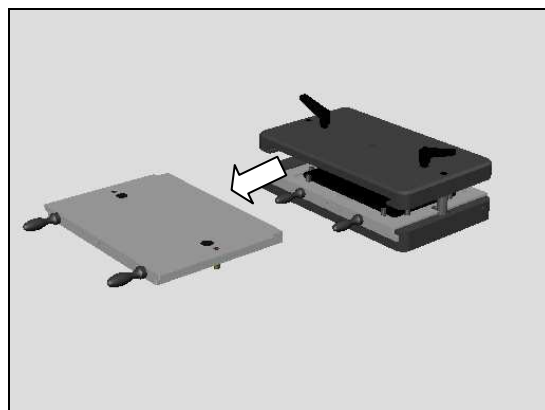


Press it with a pressure value of 930N (+-10N) for ten seconds.

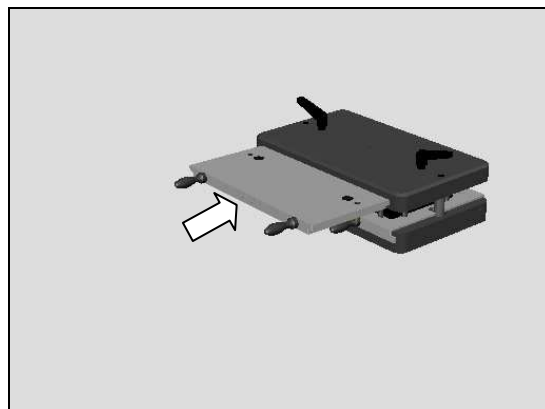
Follow the instruction in 1003-9107 Tool Catalogue – mechanical and document Toothed Rack Press Instruction for use.



Remove Display Press Top Inlay Edges.



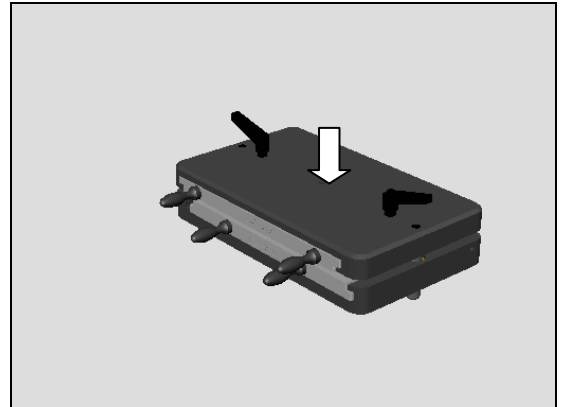
Insert the Display Press Top Inlay Corners to the Generic Press Tool.



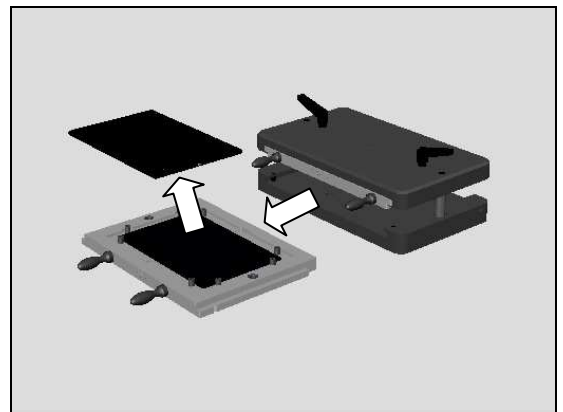
## Reassembly

Press it with a pressure value of 1090N (+-10N) for ten seconds.

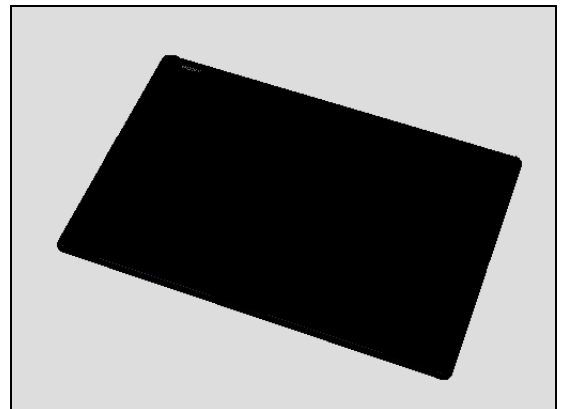
Follow the instruction in 1003-9107 Tool Catalogue – mechanical and document Toothed Rack Press Instruction for use.



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



Reassembly is completed.



## 6 Revision History

| Rev. | Date        | Changes / Comments |
|------|-------------|--------------------|
| 1    | 2015-May-08 | Initial release    |