

## Working Instructions

- mechanical -



*Xperia™ Z3+*  
*E6553*

*Xperia™ Z3+ Dual*  
*E6533*

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

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

***Always finally connect the Battery FPC BtB connector before the Sub Antenna Assy is  
reassembled.***

***If there are no special indications of 'E6553' or 'E6533', E6553 and E6533 share the same repair  
method as common sections, whose pictures are used with E6553. 'E6533' chapters or sections  
use E6533 pictures.***

## 1 Exterior Views

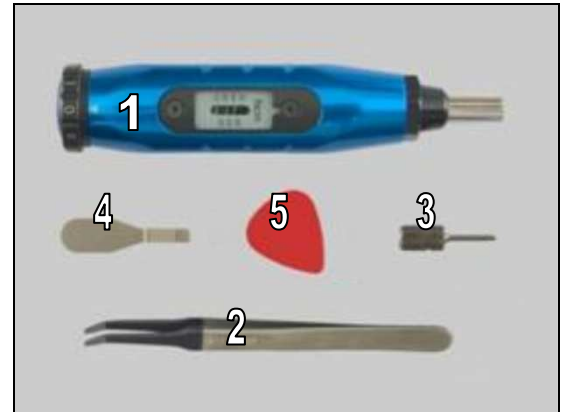
### 1.1 E6553/E6533



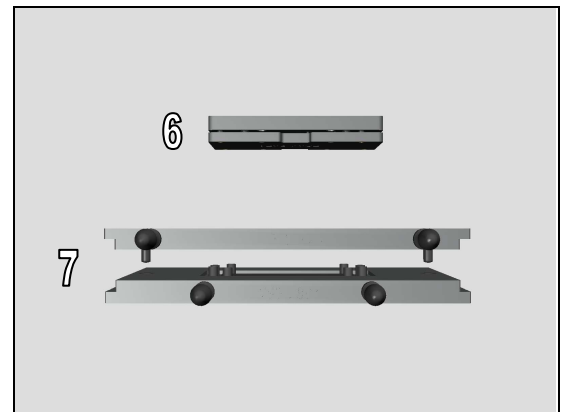
## 2 Tools

### SPECIAL TOOLS

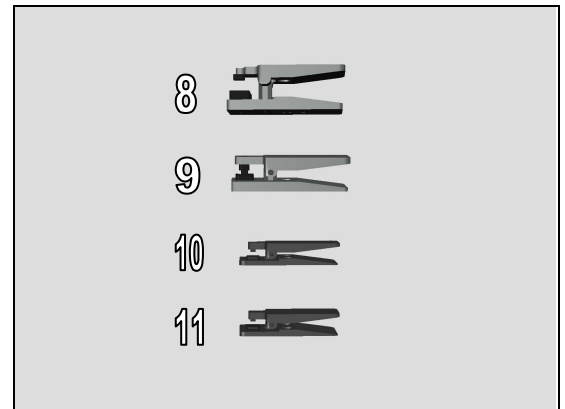
1. Torque Screwdriver
2. Flex Film Assembly Tool
3. Bits JCIS No.0
4. Front Opening Tool
5. Guitar Pick



6. Rear Panel Adhesive alignment fixture
7. Rear Panel Press Top Inlay/Bottom Press Inlay



8. Press Clamp Audio Jack
9. Press Clamp Mic Holder
10. Press Tool (for Loudspeaker)
11. Generic Press Clamp (for Top Speaker)



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

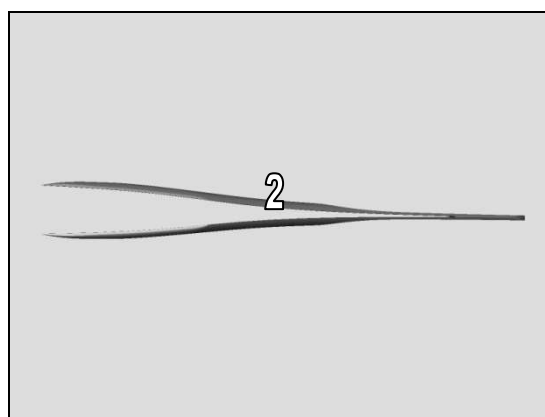
## Tools

### STANDARD TOOLS

1. Pointed Plastic Tweezers



2. Blunt-tip Tweezers



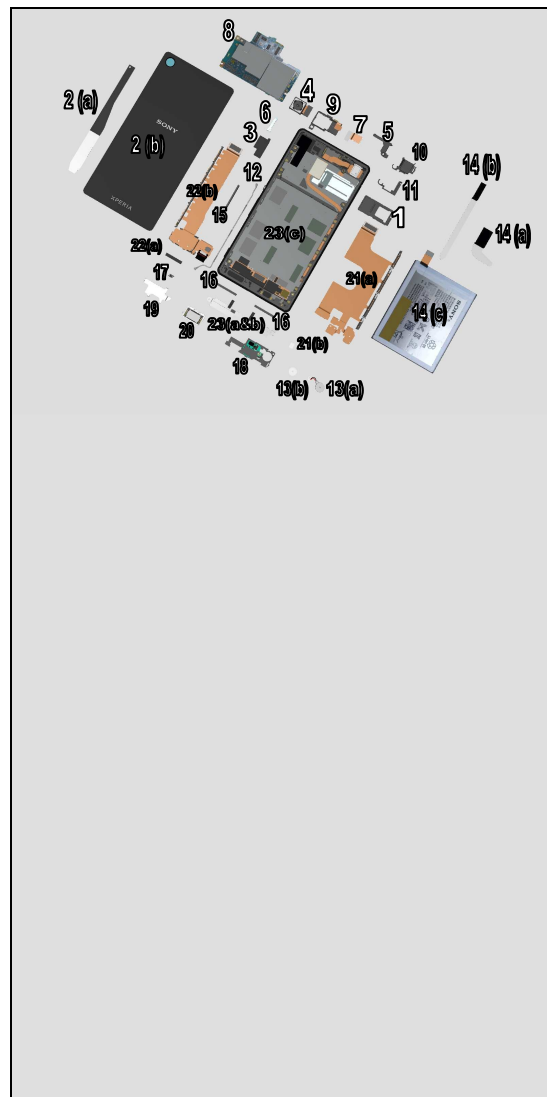
3. Suction cup



## 3 Disassembly

The E6553/E6533 disassembly is done in the following order:

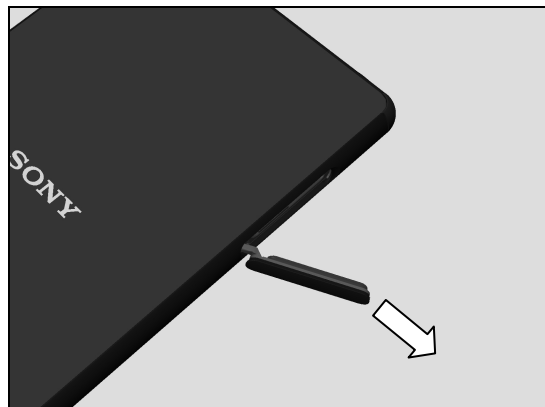
1. Tray Combo(E6553)/Tray Dual Nano SIM DS(E6533)
2. Adhesive Battery C (a) and Panel Rear (b)
3. Sheet Shade 3LED
4. Main Camera
5. Antenna Diversity
6. Light Guide 3LED
7. Chat Camera
8. Main PBA
9. Top Flex module
10. Holder Jack
11. Antenna WLAN
12. RF Cable
13. Vibrator (a) and Adhesive Vibrator (b)
14. Adhesive Battery A (a) and Adhesive Battery B (b) and Battery (c)
15. Cushion Battery Side
16. Cushion Battery Bottom
17. Spacer Battery
18. Holder Vibrator & Sub PBA
19. Plate speaker
20. Loudspeaker & Cap Speaker Sub Assy
21. Relay\_L Flex module (a) and Adhesive Shield FPC LCD (b)
22. Sheet Conductive Relay U (a) and Relay\_U Flex module (b)
23. Sheet Conductive Relay U (a) and Shield FPC LCD Sub Assy (b) and Display Frame Assy (c)



## Disassembly

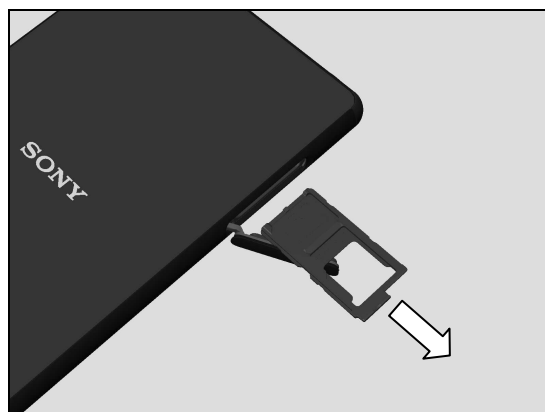
### 3.1 Tray Combo(E6553)/Tray Dual Nano SIM DS(E6533)

Open the Cap SIM/SD.



Remove the Tray Combo with fingers.

***This is only for E6553!***

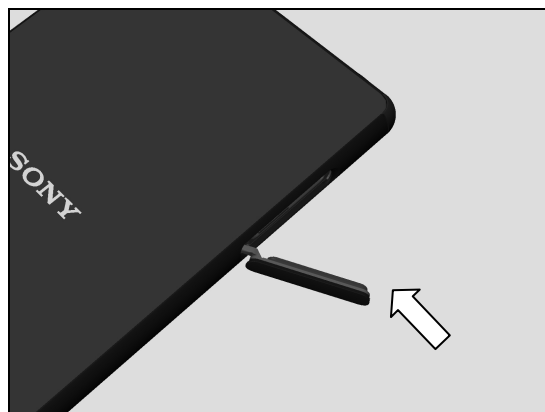


Remove the Tray Dual Nano SIM DS with fingers.

***This is only for E6533!***



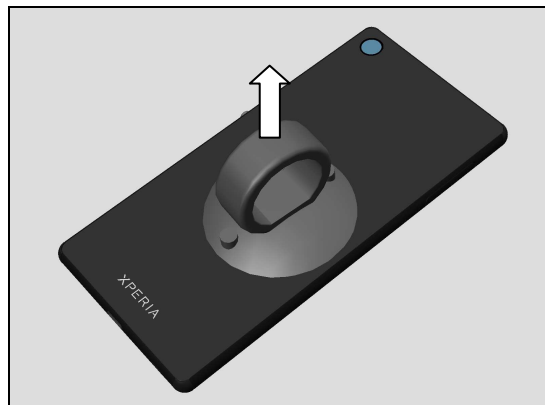
Close the Cap SIM/SD.



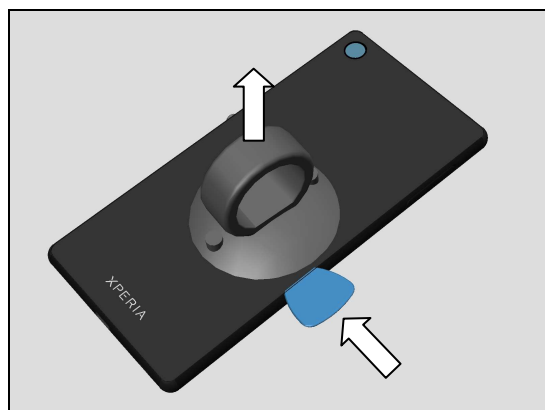
## Disassembly

### 3.2 Adhesive Battery C (a) and Panel Rear (b)

Use Suction Cup to get space for inserting the Guitar Pick.

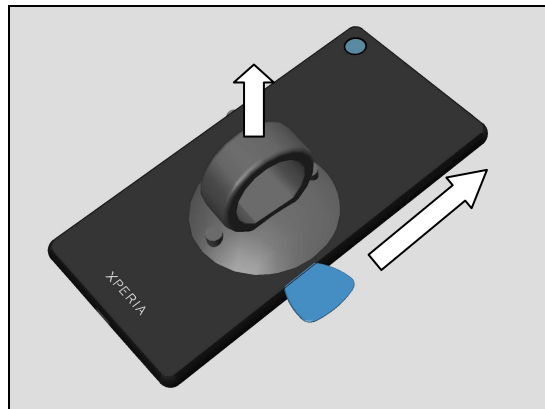


Insert the Guitar Pick.

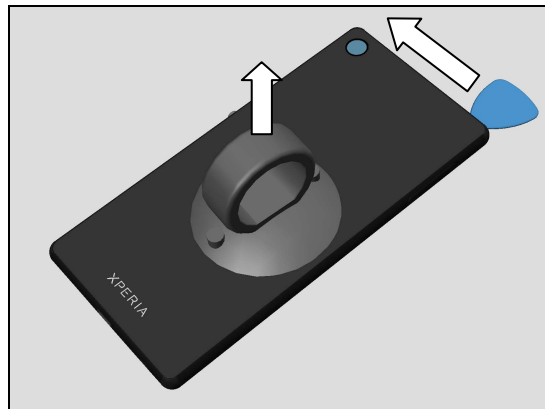


Gently slide the Guitar Pick along to release the sides of the Panel Rear as shown in picture.

**Note! Start in the middle of the right long side and then slide to top side only!**

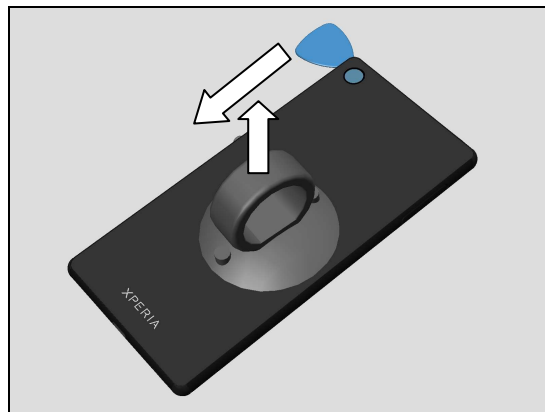


Slide this side.

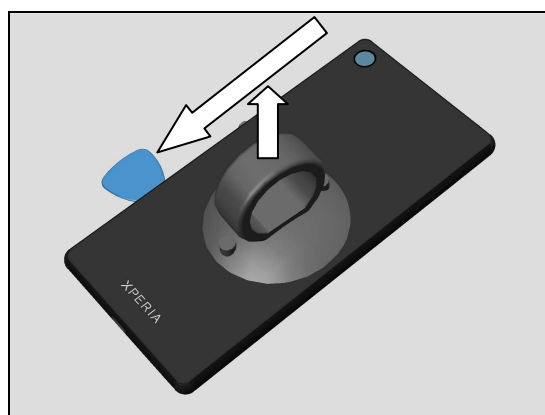


## Disassembly

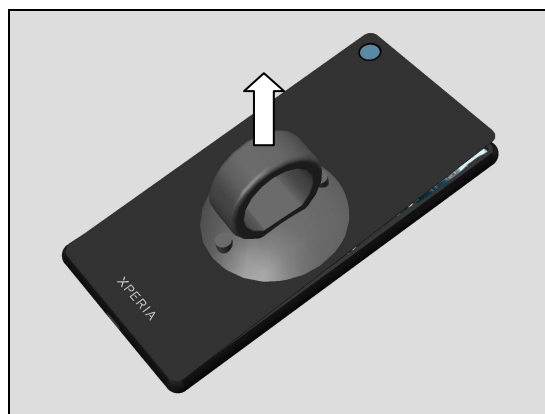
Slide this side.



**Note! Stop Sliding to this position.**

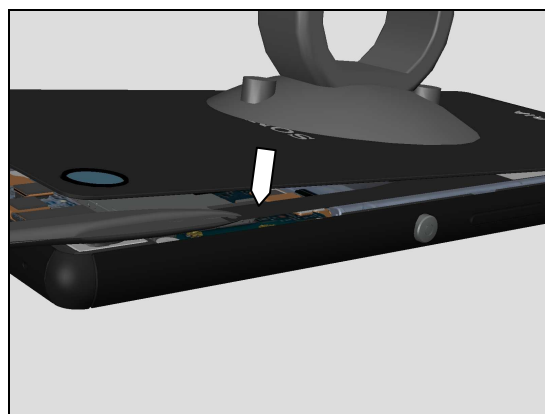


Pull up the upper half of the Panel Rear a little.



Identify the Adhesive Battery C and hold it by tweezers.

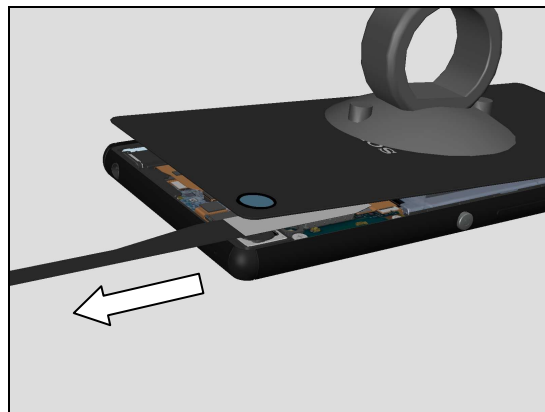
**Note! The Panel Rear will deform a little during this action.**



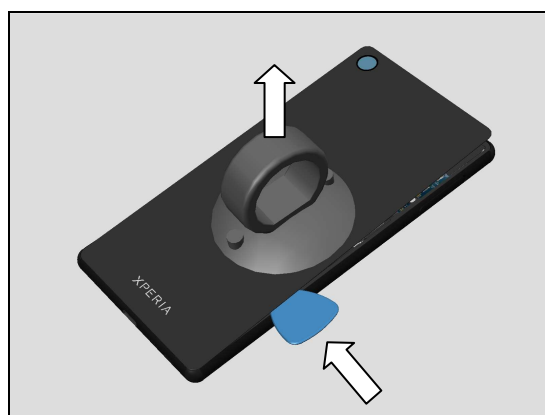


## Disassembly

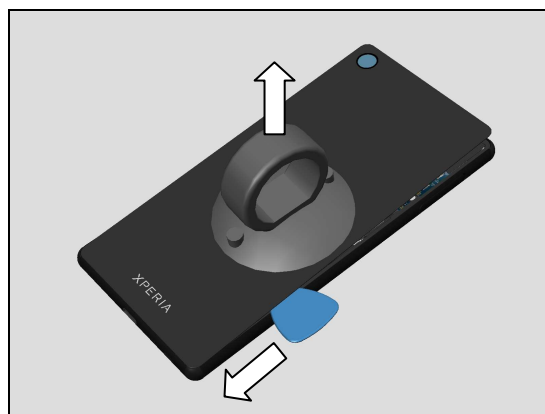
Pull out the Adhesive Battery C slowly.



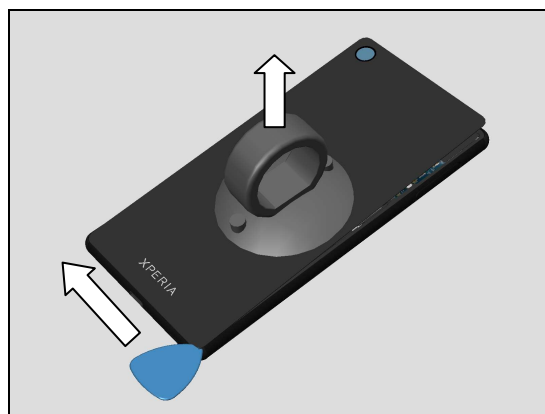
Insert the Guitar Pick here again.



Slide to bottom side.

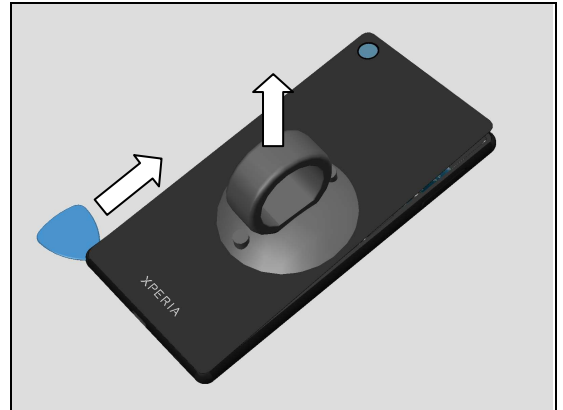


Slide this side.

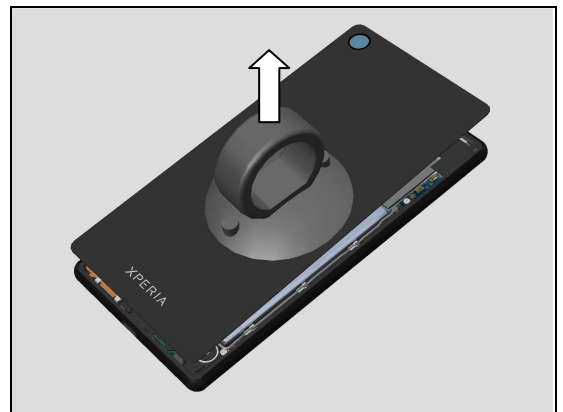


## Disassembly

Slide this side.

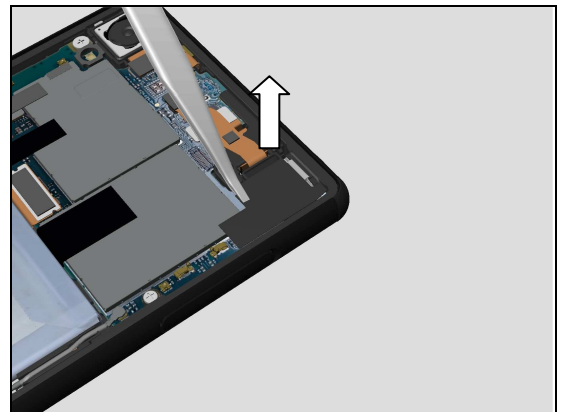


Remove the Panel Rear by using the Suction Cup.



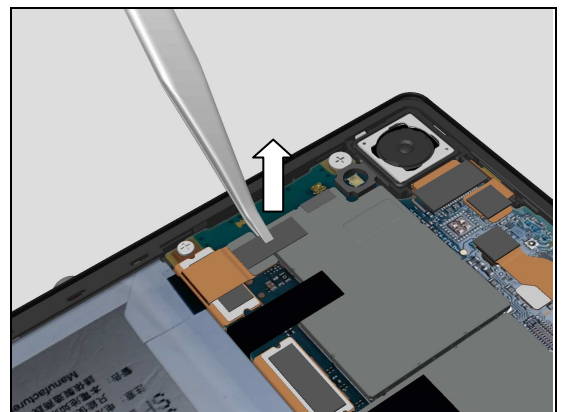
### 3.3 Sheet Shade 3LED

Remove Sheet Shade 3LED with tweezers.



### 3.4 Main Camera

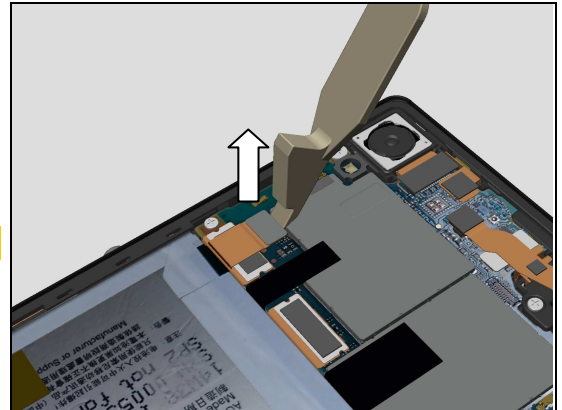
Detach the Cushion BTB L.



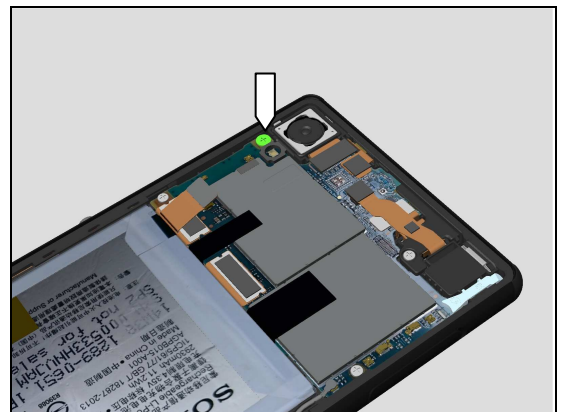
## Disassembly

Disconnect the Battery connector by using the Front Opening Tool.

**Do not damage components on the Main PBA!**

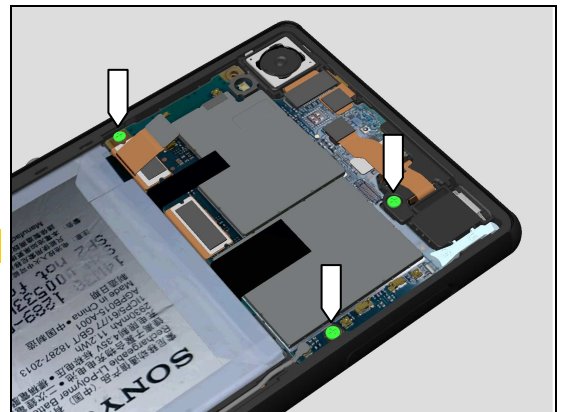


Remove the Screw Len:2.8 Diam:1.4 O-Ring M by using a screwdriver with Bits JCIS No.0.



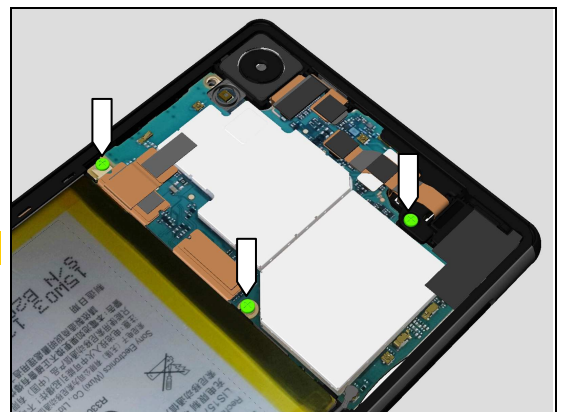
Remove the three Screw Other Len:2.6 Diam:1.4 by using a screwdriver with Bits JCIS No.0.

**This is only for E6553!**



Remove the three Screw Other Len:2.6 Diam:1.4 by using a screwdriver with Bits JCIS No.0.

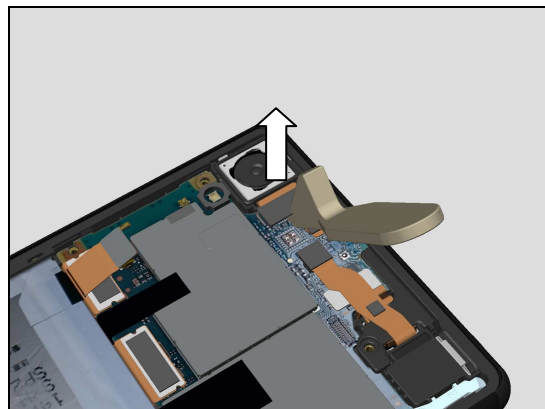
**This is only for E6533!**



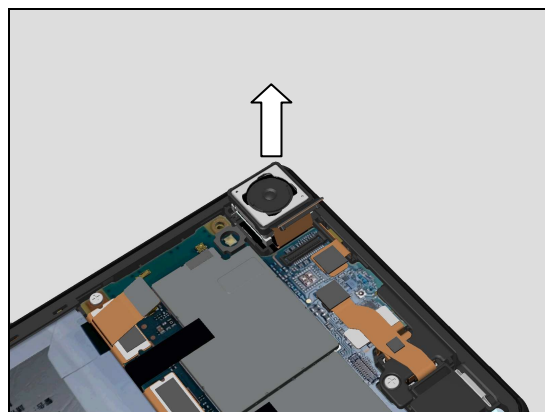
## Disassembly

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

**Do not damage components on the Main PBA!**



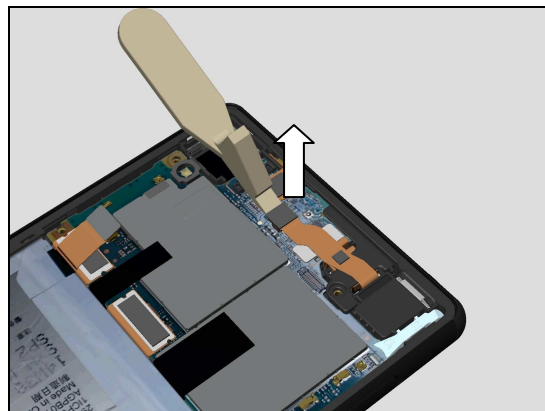
Remove the Main Camera.



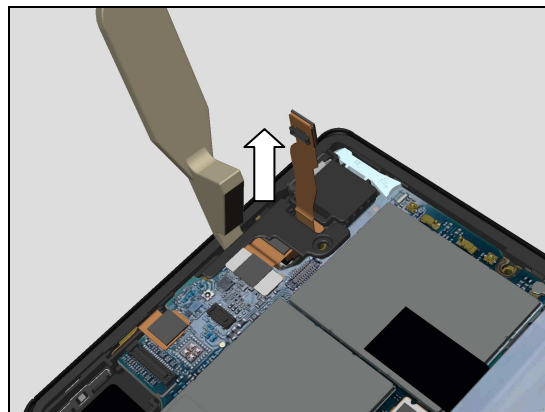
### 3.5 Antenna Diversity

Disconnect BtB connector of the Audio Jack FPC by using the Front Opening Tool.

**Do not damage components on the Main PBA!**

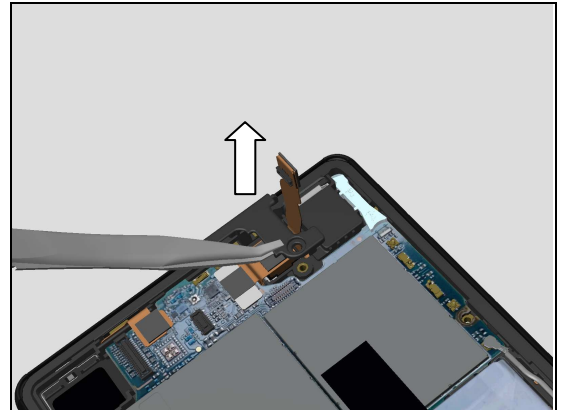


Release the Antenna Diversity.



## Disassembly

Remove the Antenna Diversity.

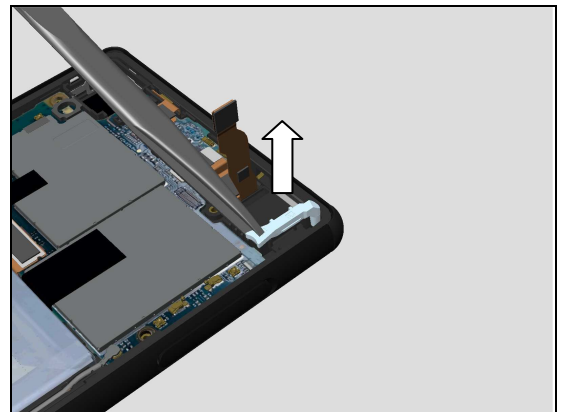


### 3.6 Light Guide 3LED

Unsnap the Light Guide 3LED.



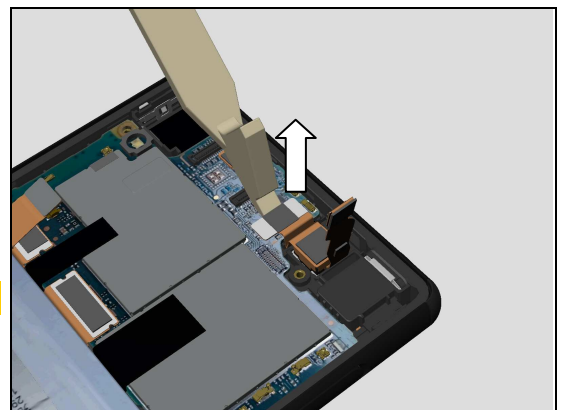
Remove Light Guide 3LED.



### 3.7 Chat Camera

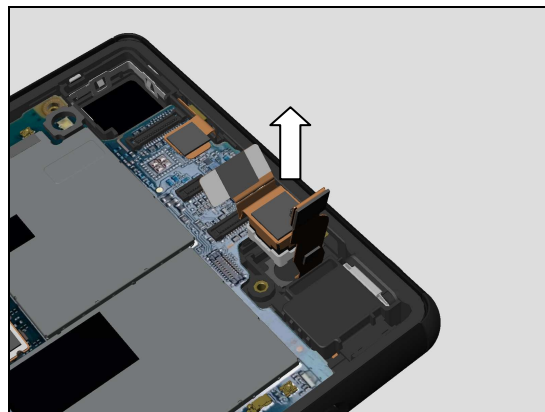
Disconnect Chat Camera connector by using the Front Opening Tool.

**Do not damage components on the Main PBA!**



## Disassembly

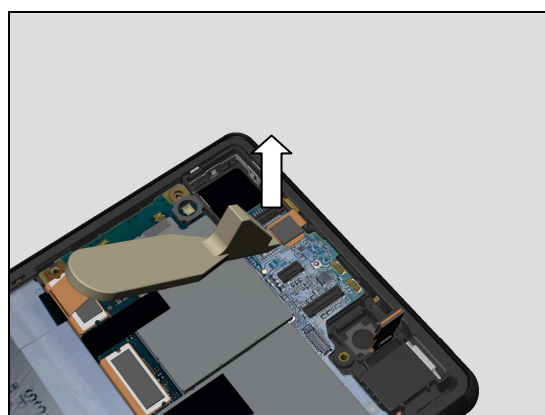
Remove the Chat Camera.



### 3.8 Main PBA

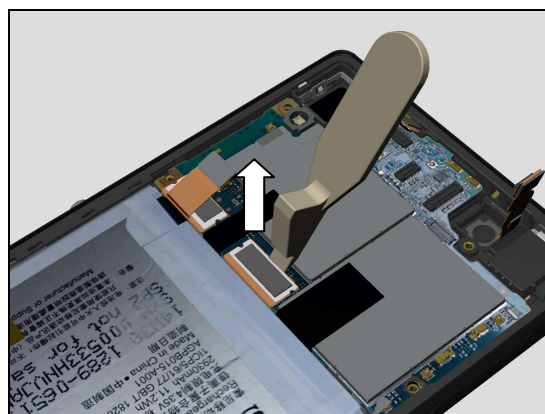
Disconnect BtB connector of the Top Flex module by using the Front Opening Tool.

**Do not damage components on the Main PBA!**



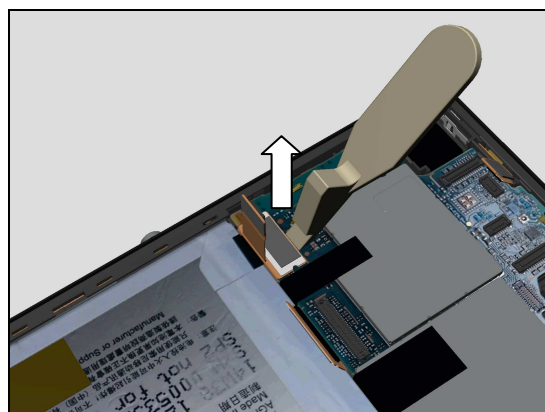
Disconnect BtB connector of the Relay\_L Flex module by using the Front Opening Tool.

**Do not damage components on the Main PBA!**



Disconnect BtB connector of the Relay\_U Flex module by using the Front Opening Tool.

**Do not damage components on the Main PBA!**

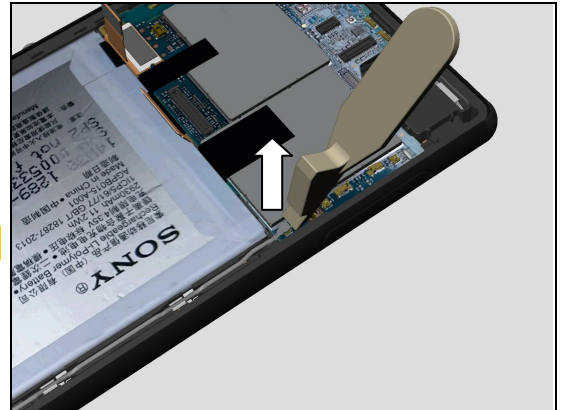




## Disassembly

Disconnect RF Cable connector by using the Front Opening Tool.

**Do not damage components on the Main PBA!**



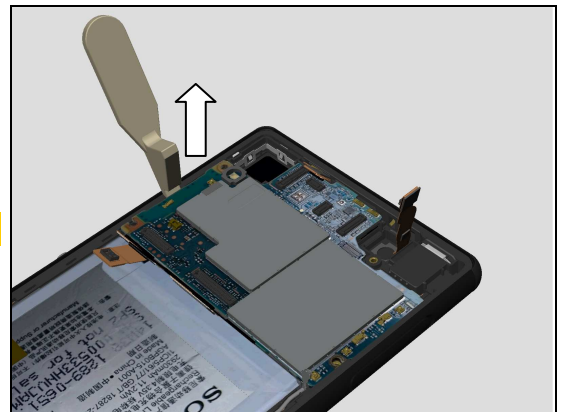
Insert the Front Opening Tool at this position as shown in picture.

**This action only for E6553!**



Release the Main PBA.

**This action only for E6553!**

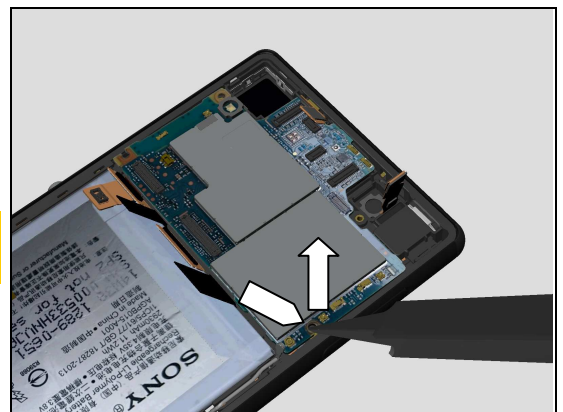


Insert the Plastic Pointed Tweezers at this position as shown in picture.

Release the Main PBA.

**Do not damage the screw nut!**

**This action only for E6553!**

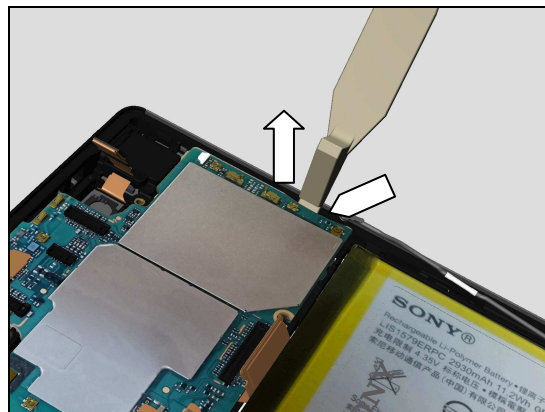


## Disassembly

Insert the Front Opening Tool at this position as shown in picture.

Release the Main PBA.

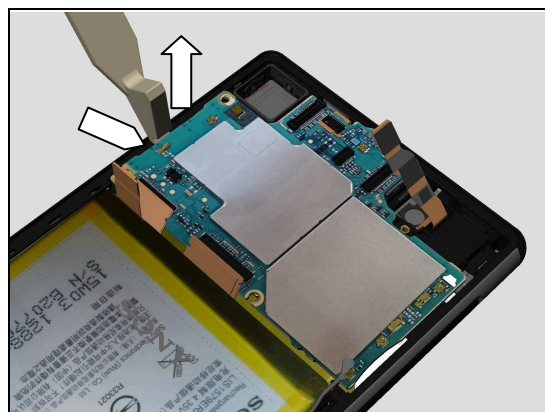
***This action only for E6533!***



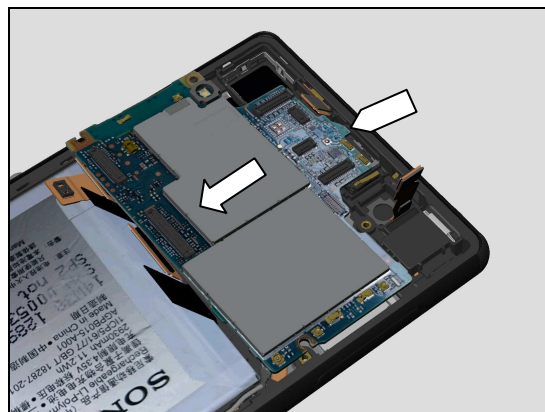
Insert the Front Opening Tool at this position as shown in picture.

Release the Main PBA.

***This action only for E6533!***



Release the top side of the Main PBA as shown in picture



Remove the Main PBA.

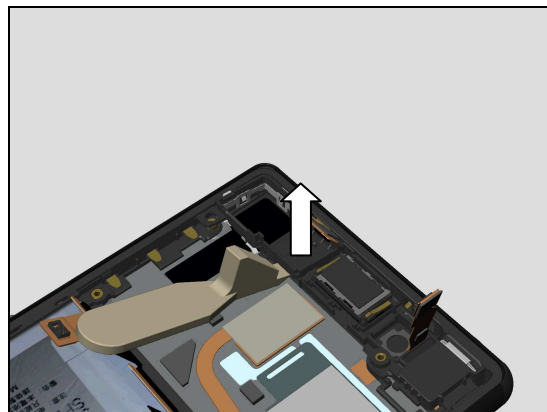




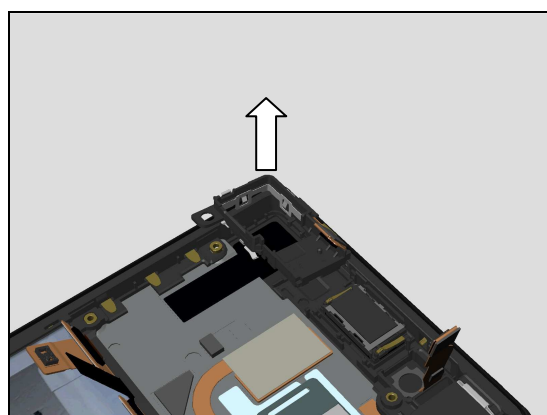
## Disassembly

### 3.9 Top Flex module

Unsnap the Top Flex module.

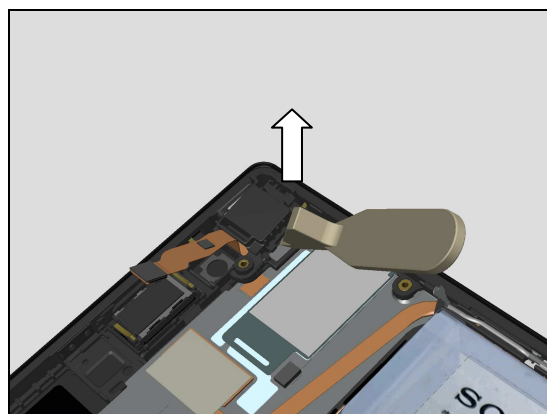


Remove the Top Flex module.

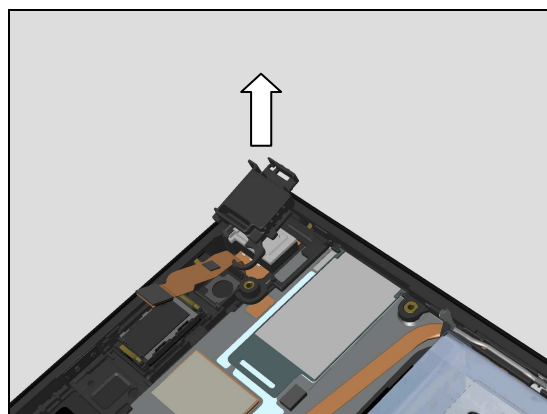


### 3.10 Holder Jack

Unsnap the Holder Jack.



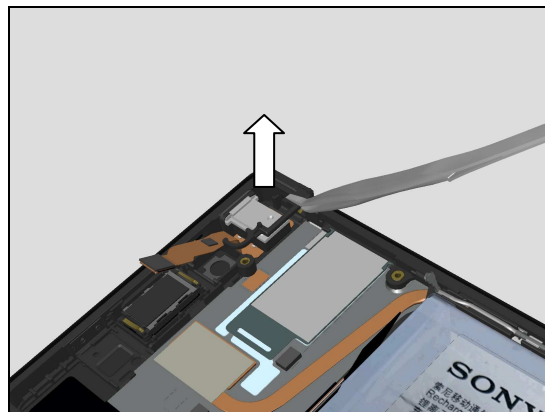
Remove the Holder Jack.



## Disassembly

### 3.11 Antenna WLAN

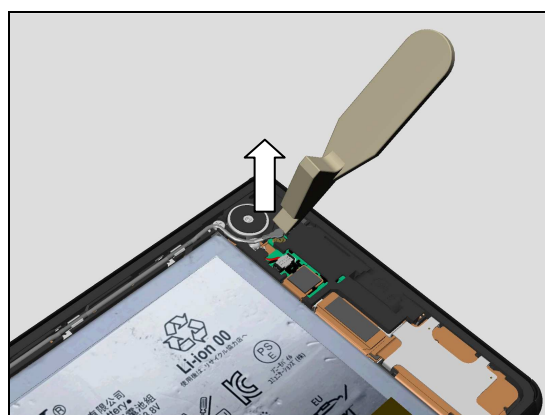
Remove Antenna WLAN.



### 3.12 RF Cable

Disconnect RF Cable connector by using the Front Opening Tool.

**Do not damage components on the Main PBA!**



Release the RF Cable from its clip.



Release the RF Cable from its clip.



## Disassembly

Release the RF Cable from its clip.

**This is only for E6553!**

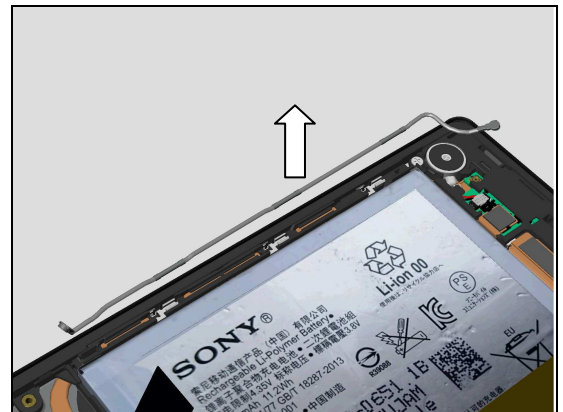


Release the RF Cable from its cavity.

**This is only for E6533!**



Remove the RF Cable.



### 3.13 Vibrator (a) and Adhesive Vibrator (b)

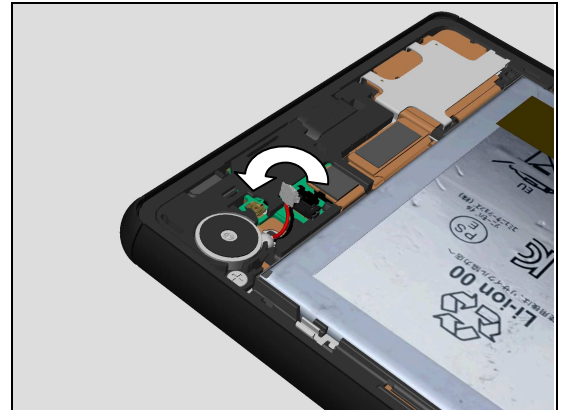
Disconnect the Vibrator connector.

**Do not damage components on the Sub PBA!**



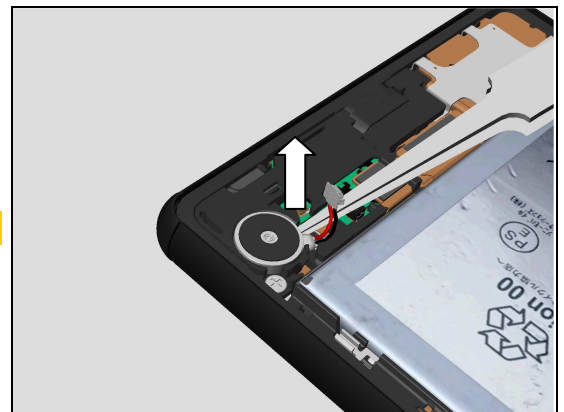
## Disassembly

Release the Vibrator wire from the Holder Vibrator.

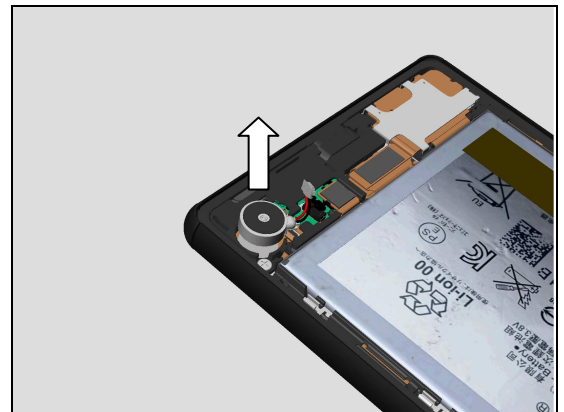


Detach the Vibrator with the Plastic Pointed Tweezers.

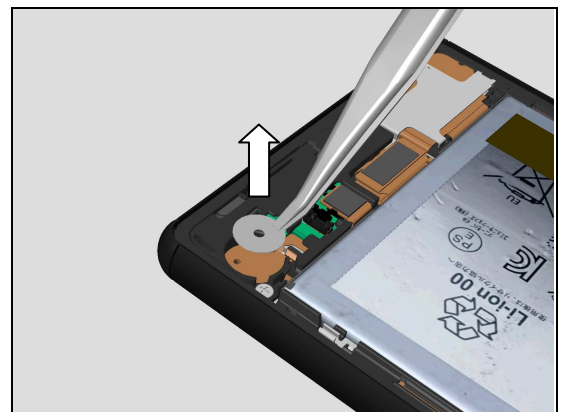
**Do not damage the FPC under the Vibrator!**



Remove the Vibrator.



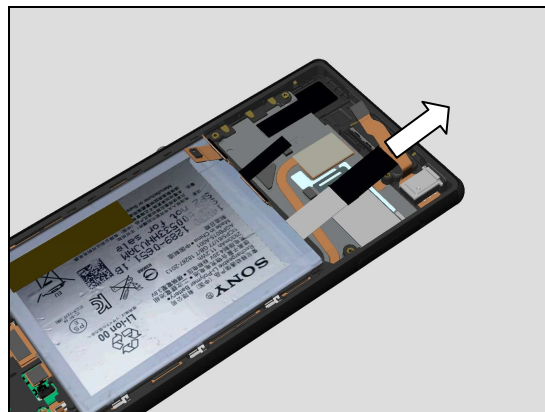
Detach the Adhesive Vibrator.



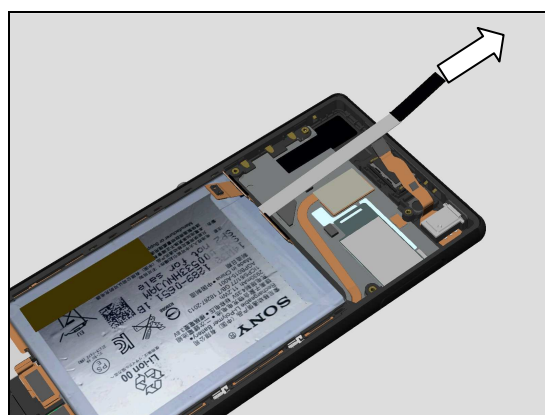
## Disassembly

### 3.14 Adhesive Battery A (a) and Adhesive Battery B (b) and Battery (c)

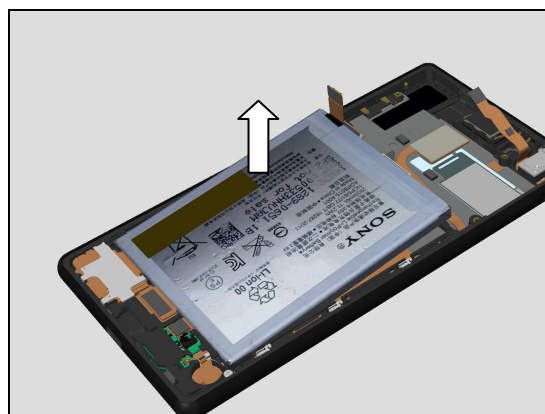
Pull out the Adhesive Battery A slowly.



Pull out the Adhesive Battery B slowly.

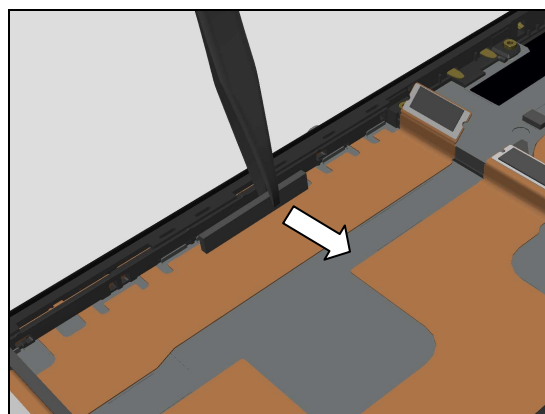


Remove the Battery.



### 3.15 Cushion Battery Side

Detach the Cushion Battery Side.

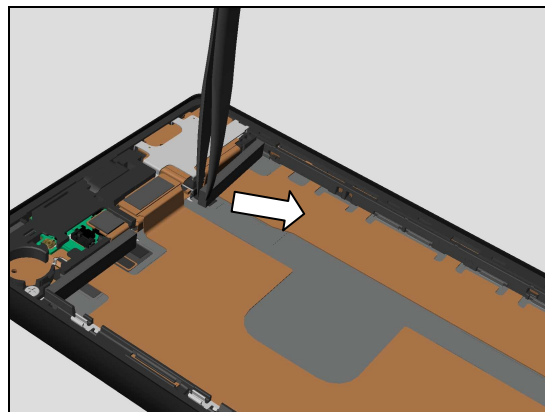




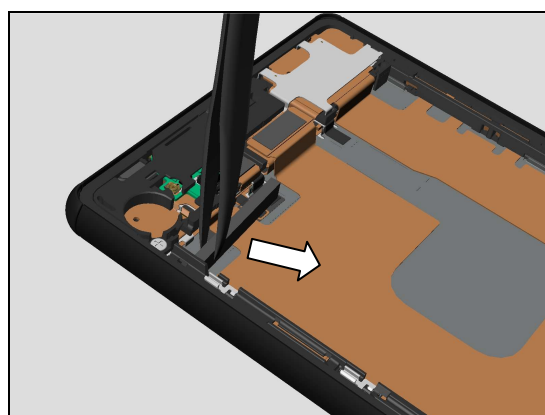
## Disassembly

### 3.16 Cushion Battery Bottom

Detach the Cushion Battery Bottom.

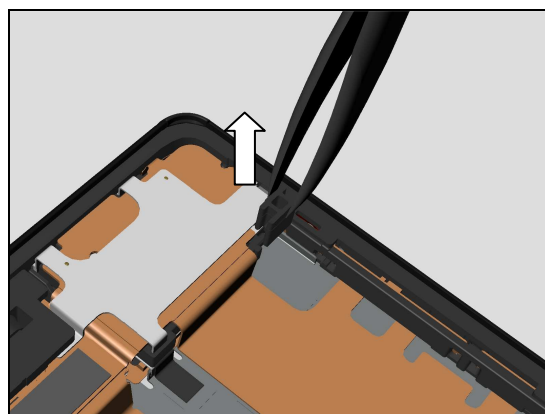


Detach the Cushion Battery Bottom.



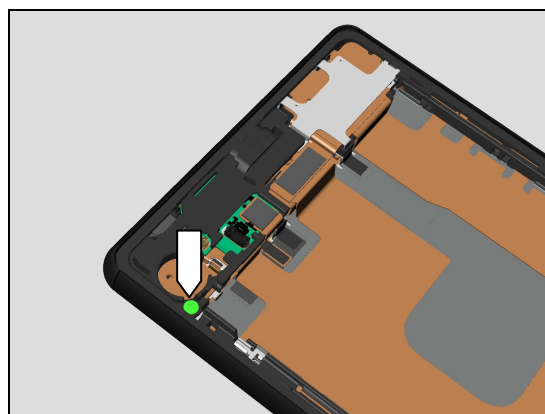
### 3.17 Spacer Battery

Remove the Spacer Battery.



### 3.18 Holder Vibrator & Sub PBA

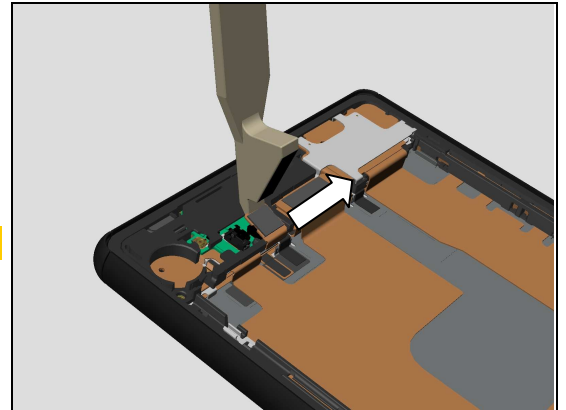
Remove the Screw Other Len:2.6 Diam:1.4 by using a screwdriver with Bits JCIS No.0.



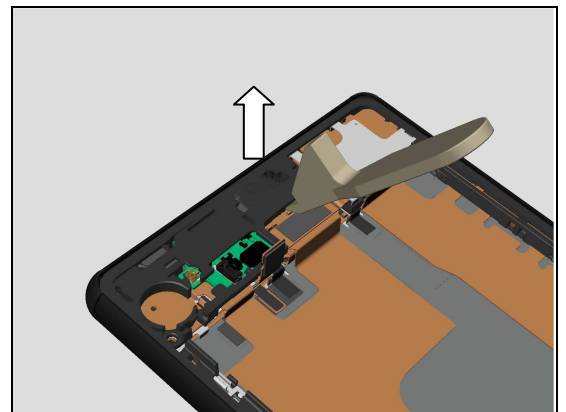
## Disassembly

Disconnect the BtB connector of Relay\_L Flex module to Sub PBA.

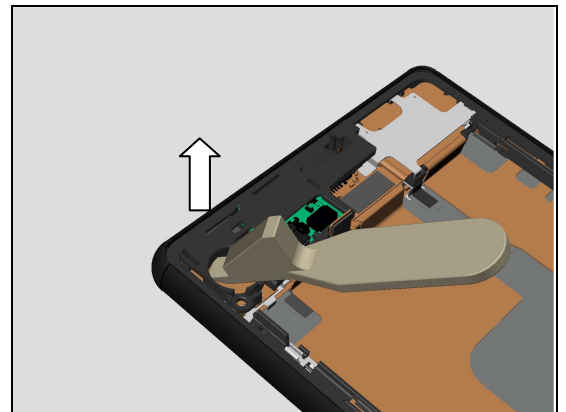
**Do not damage components on the Sub PBA!**



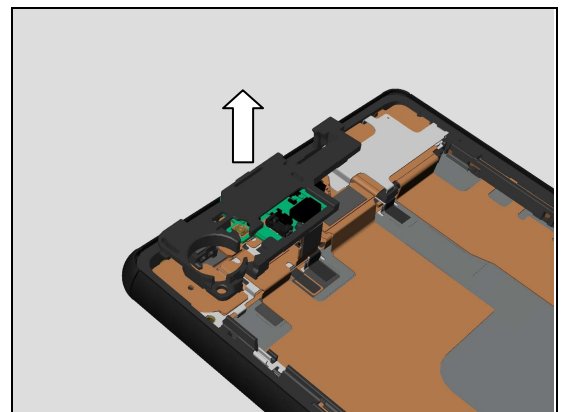
Unsnap the Holder Vibrator.



Unsnap the Holder Vibrator.



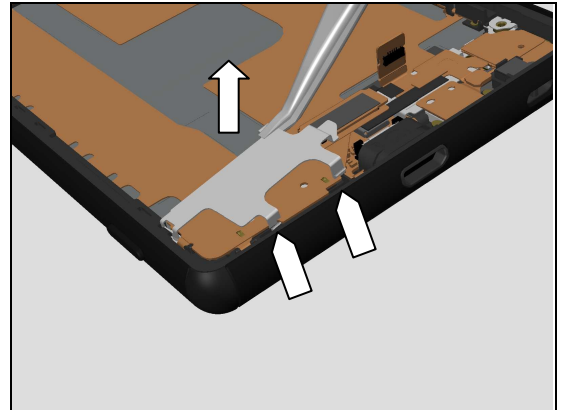
Remove the Holder Vibrator.



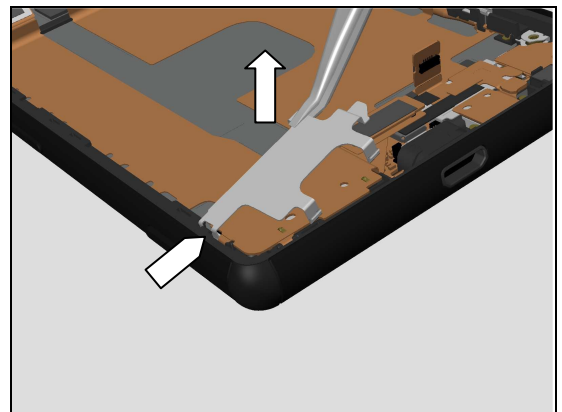
## Disassembly

### 3.19 Plate speaker

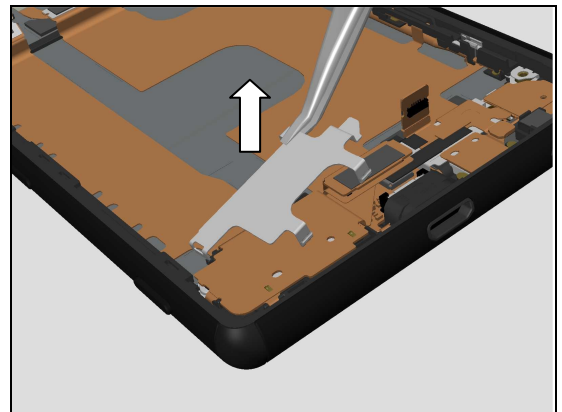
Release these two hooks as shown in picture..



Release this hook as shown in picture.



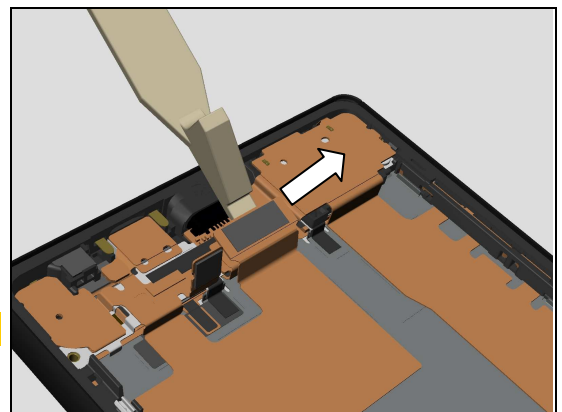
Remove the Plate speaker.



### 3.20 Loudspeaker & Cap Speaker Sub Assy

Disconnect the BtB connector of Relay\_L Flex module to Display FPC.

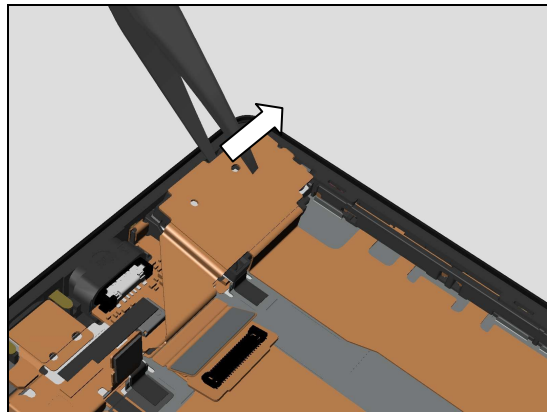
**Do not damage the two BtB connectors!**



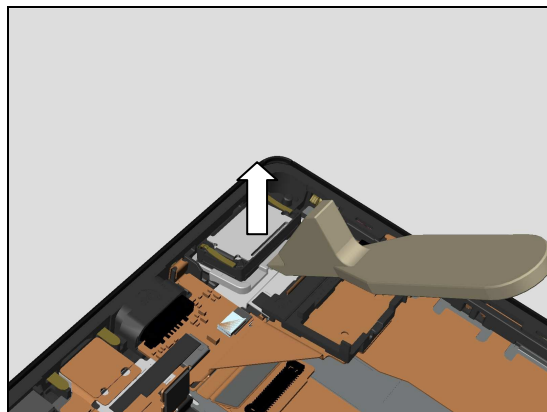


## Disassembly

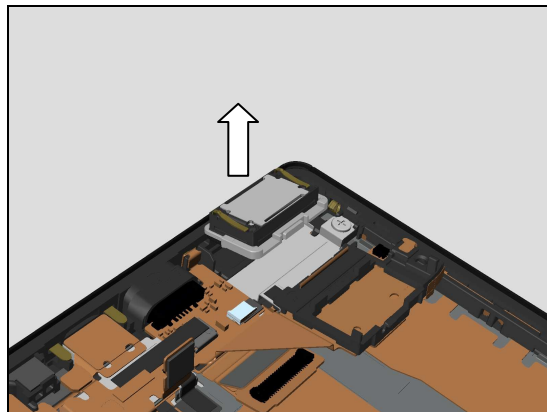
Unsnap the speaker holder as shown in picture.



Release the Loudspeaker & Cap Speaker Sub Assy from its cavity.

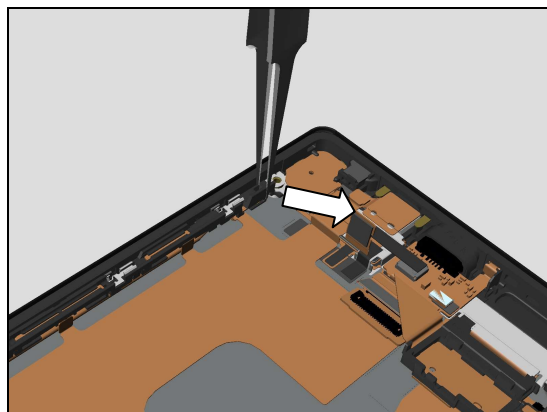


Remove it.



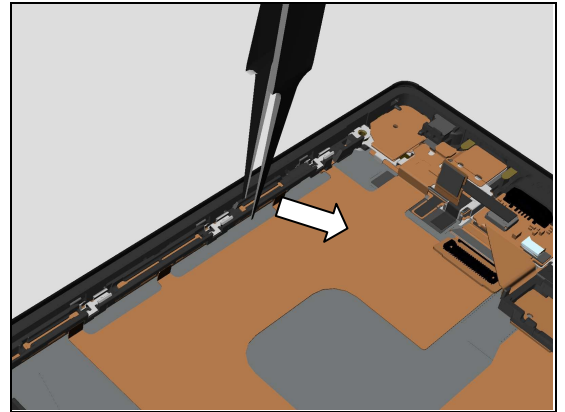
### 3.21 Relay\_L Flex module (a) and Adhesive Shield FPC LCD (b)

Unsnap the RF Cable holder as shown in picture.

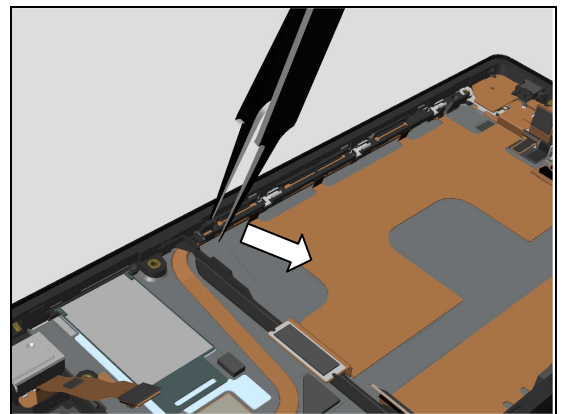


## Disassembly

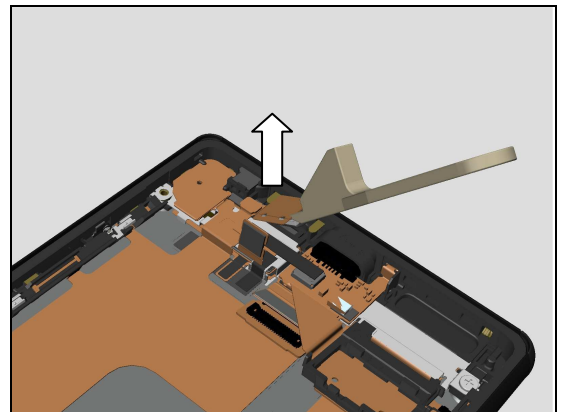
Unsnap the RF Cable holder as shown in picture.



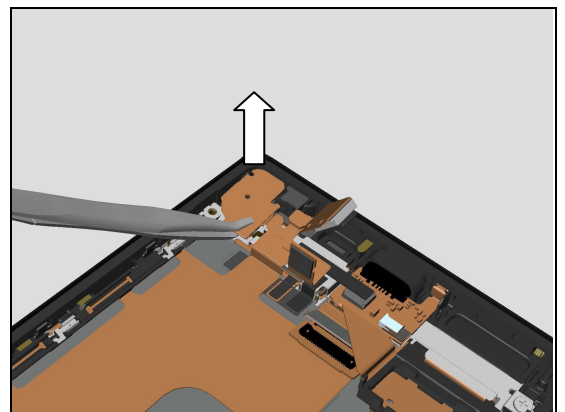
Unsnap the RF Cable holder as shown in picture.



Release the Cap Mic 1st Sub Assy from its cavity as shown in picture.



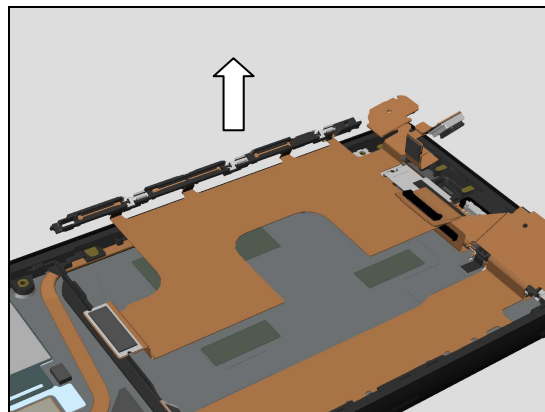
Release the FPC as shown in picture.



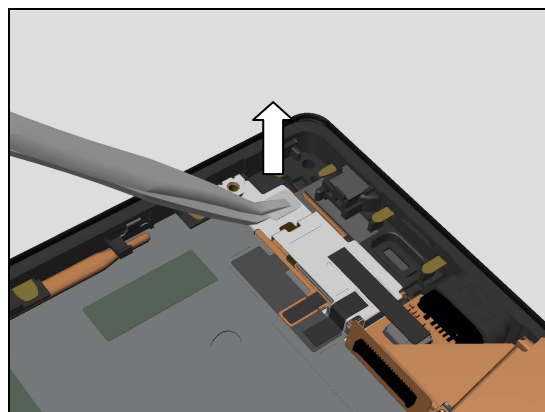
## Disassembly

Detach the Relay\_L Flex module slowly.

**Do not make the FPC folded!**

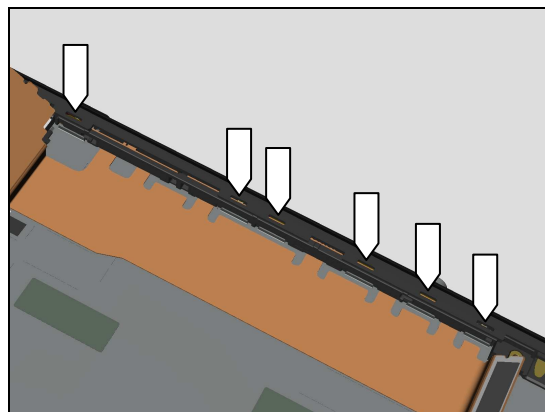


Detach the Adhesive Shield FPC LCD.



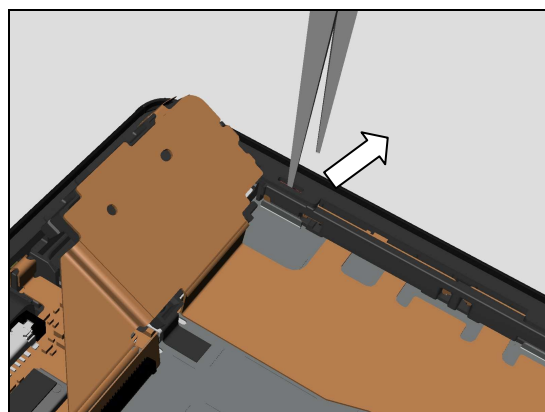
### 3.22 Sheet Conductive Relay U (a) and Relay\_U Flex module (b)

Identify the six hooks of the side key holder as shown in picture.



Unsnap the hook of the side key holder as shown in picture.

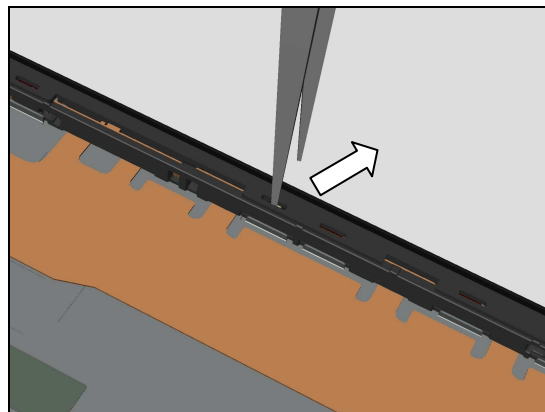
**Note! Do not damage the components on the side key FPC.**



## Disassembly

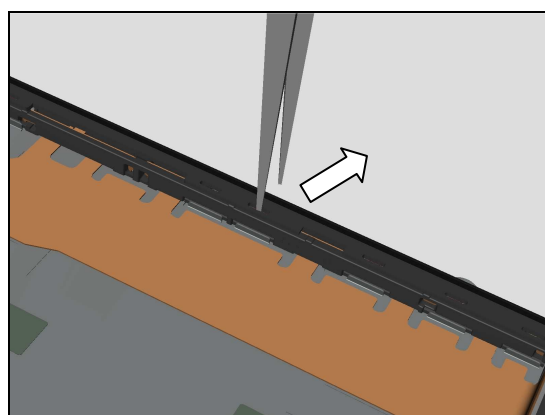
Unsnap the hook of the side key holder as shown in picture.

**Note! Do not damage the components on the side key FPC.**



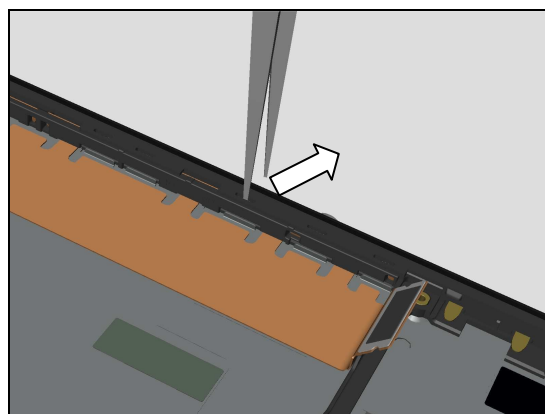
Unsnap the hook of the side key holder as shown in picture.

**Note! Do not damage the components on the side key FPC.**



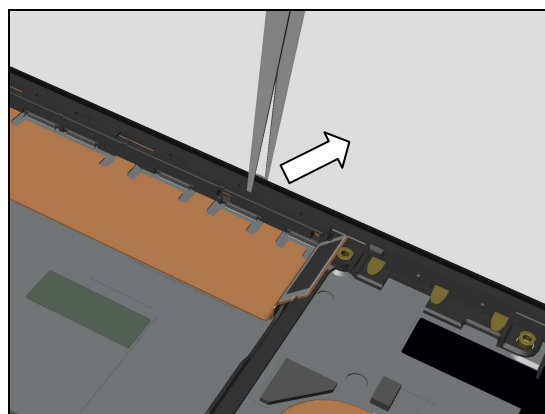
Unsnap the hook of the side key holder as shown in picture.

**Note! Do not damage the components on the side key FPC.**



Unsnap the hook of the side key holder as shown in picture.

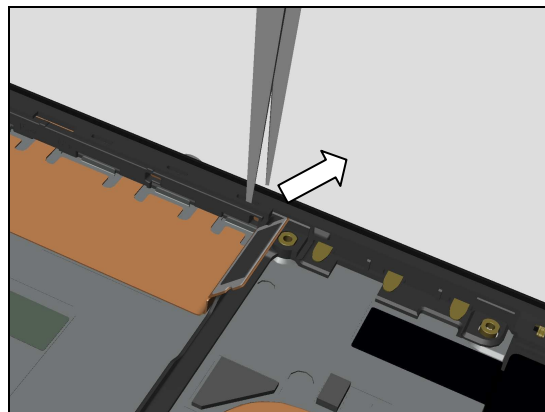
**Note! Do not damage the components on the side key FPC.**



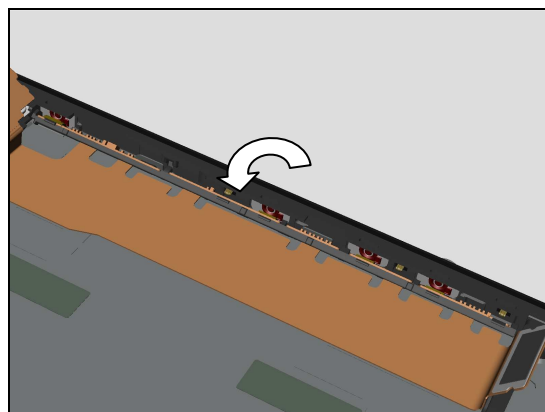
## Disassembly

Unsnap the hook of the side key holder as shown in picture.

**Note! Do not damage the components on the side key FPC.**

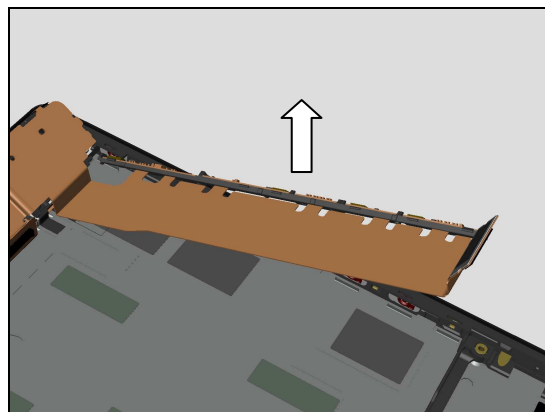


Release the side key holder as shown in picture.

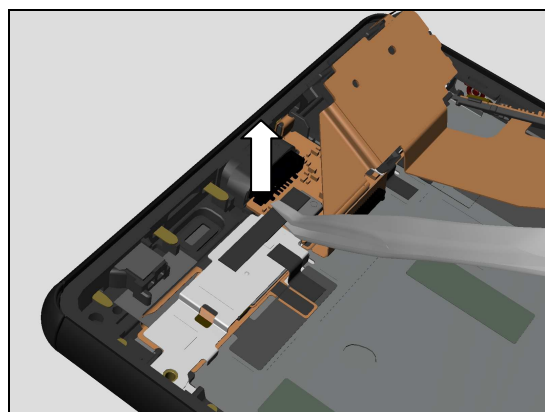


Detach the Relay\_U Flex module slowly.

**Do not make the FPC folded!**



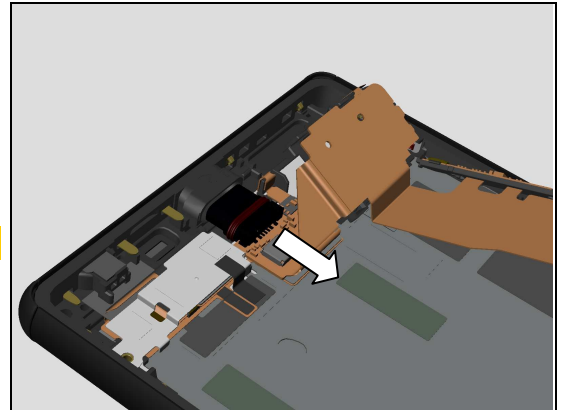
Detach the Sheet Conductive Relay U.



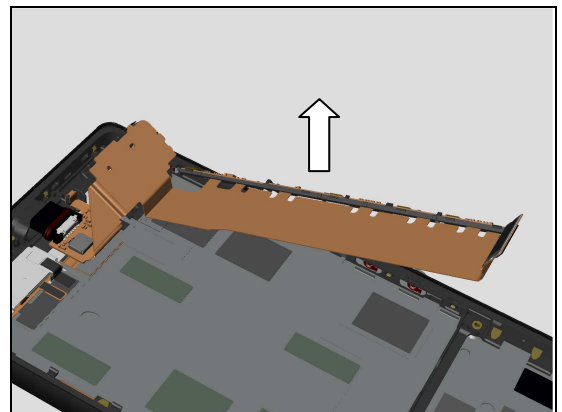
## Disassembly

Pull to release USB connector from its hole as shown in picture.

**Do not damage the Relay\_U Flex module!**

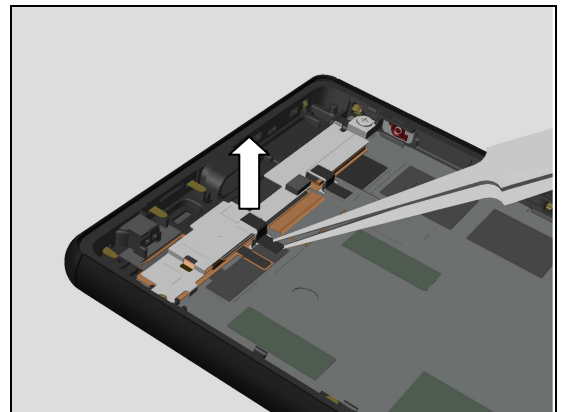


Remove the Relay\_U Flex module.

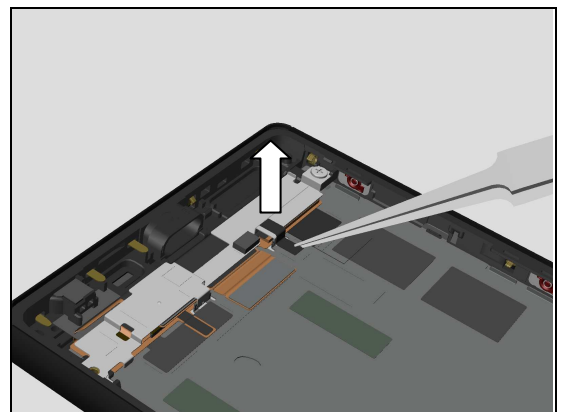


### 3.23 Sheet Conductive Relay U (a) and Shield FPC LCD Sub Assy (b) and Display Frame Assy (c)

Detach this Sheet Conductive Relay U as shown in picture.

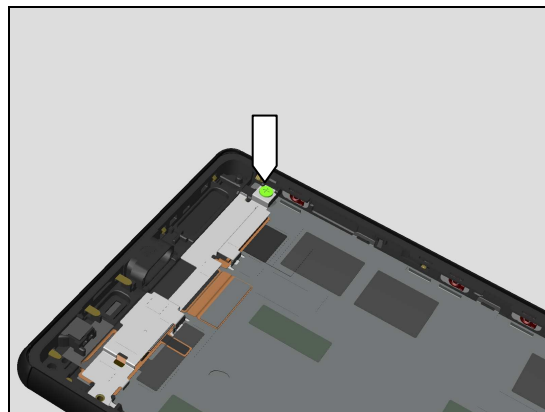


Detach this Sheet Conductive Relay U as shown in picture.

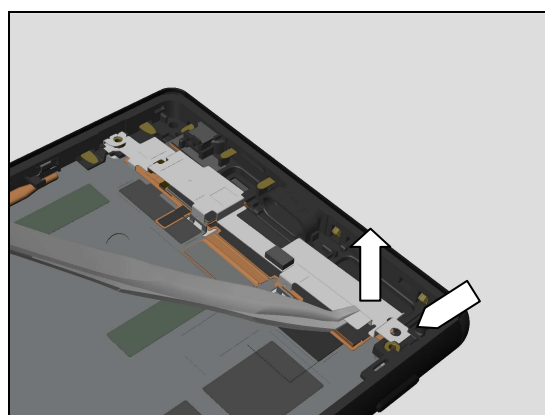


## Disassembly

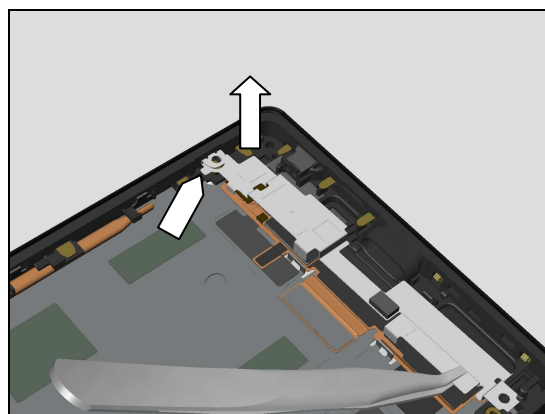
Remove the Conductive Screw M1.4x2.0 by using a screwdriver with Bits JCIS No.0.



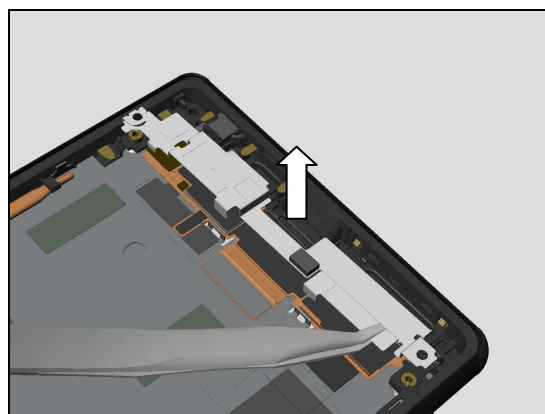
Release the Shield FPC LCD Sub Assy from this side as shown in picture.



Release the Shield FPC LCD Sub Assy from the other side as shown in picture.



Remove the Shield FPC LCD Sub Assy.





## 4 Replacement

### 4.1 Adhesive Battery A (E6553)

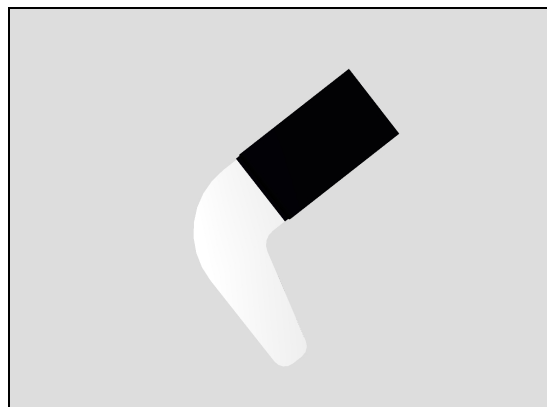
Follow the 3.1 – 3.8 and 3.14 Disassembly instructions!

Prepare a new Adhesive Battery A.

Follow the 5.10 and 5.16 – 5.23 Reassembly instructions!

**Scrap! Not to be reused!**

**The difference of E6553 and E6533 reassembly method of this part are in the reassembly related chapter.**



### 4.2 Adhesive Battery A DS (E6533)

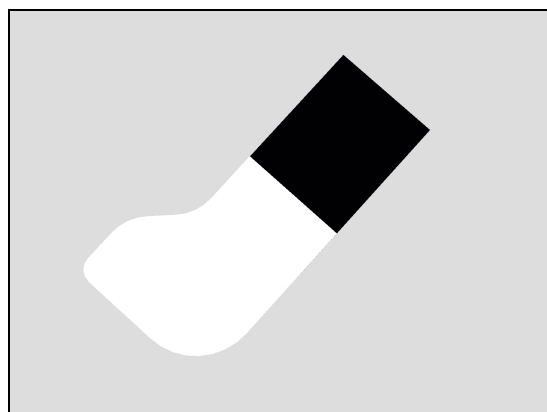
Follow the 3.1 – 3.8 and 3.14 Disassembly instructions!

Prepare a new Adhesive Battery A DS.

Follow the 5.10 and 5.16 – 5.23 Reassembly instructions!

**Scrap! Not to be reused!**

**The difference of E6553 and E6533 reassembly method of this part are in the reassembly related chapter.**



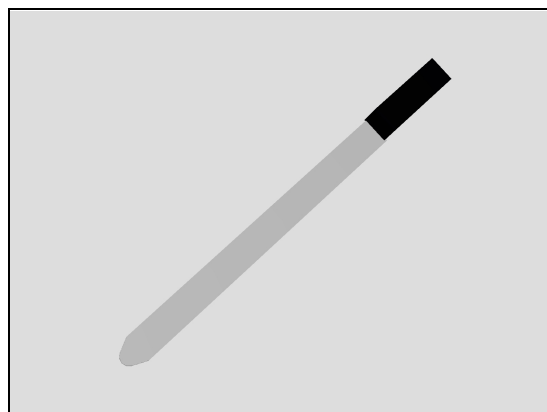
### 4.3 Adhesive Battery B

Follow the 3.1 – 3.8 and 3.14 Disassembly instructions!

Prepare a new Antenna Speaker Box Assy.

Follow the 5.10 and 5.16 – 5.23 Reassembly instructions!

**Scrap! Not to be reused!**



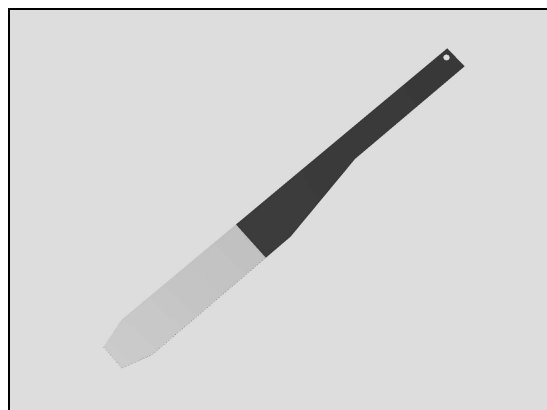
### 4.4 Adhesive Battery C

Follow the 3.1 – 3.3 Disassembly instructions!

Prepare a new Adhesive Battery C.

Follow the 5.21 – 5.23 Reassembly instructions!

**Scrap! Not to be reused!**





## Replacement

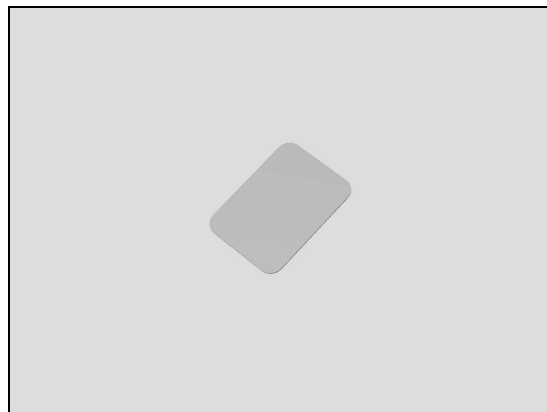
### 4.5 Adhesive Shield FPC LCD

*Follow the 3.1 – 3.21 Disassembly instructions!*

Prepare a new Adhesive Shield FPC LCD.

*Follow the 5.3 – 5.23 Reassembly instructions!*

**Scrap! Not to be reused!**



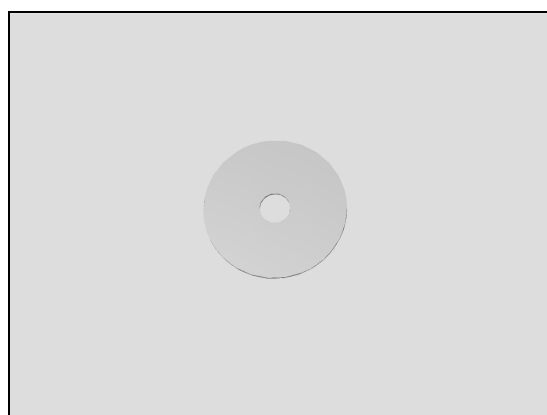
### 4.6 Adhesive Vibrator

*Follow the 3.1 – 3.13 Disassembly instructions!*

Prepare a new Adhesive Vibrator.

*Follow the 5.11 – 5.23 Reassembly instructions!*

**Scrap! Not to be reused!**

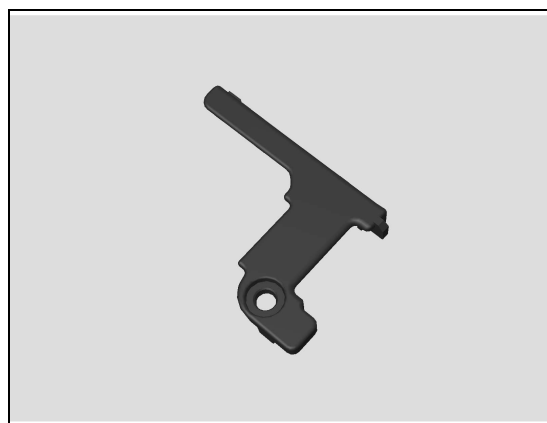


### 4.7 Antenna Diversity

*Follow the 3.1 – 3.5 Disassembly instructions!*

Prepare a new Antenna Diversity.

*Follow the 5.19 – 5.23 Reassembly instructions!*



### 4.8 Antenna WLAN

*Follow the 3.1 – 3.11 Disassembly instructions!*

Prepare a new Antenna Diversity.

*Follow the 5.13 – 5.23 Reassembly instructions!*

**The part as shown is E6553's Antenna WLAN, E6553 and E6533 disassembly and reassembly method of this part are same.**



## Replacement

### 4.9 Battery

*Follow the 3.1 – 3.8 and 3.14 Disassembly instructions!*

Prepare a new Battery.

*Follow the 5.10 and 5.16 – 5.23 Reassembly instructions!*

**After disassembly, make a blue dot beside SONY logo, if the Battery inspection is ok, then make a red dot beside the blue dot as shown in picture. In this case this Battery can be reused once.**

**If the Battery inspection is NOT ok, such as battery corner deformed, protection film damaged, cell lamination exposed, battery punctured or battery bubbled, etc, scrap immediately!**

**If both blue and red dots are detected on the Battery, scrap immediately!**



### 4.10 Chat Camera

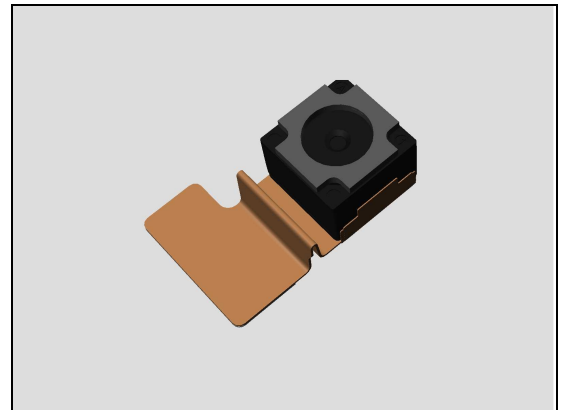
*Follow the 3.1 – 3.7 Disassembly instructions!*

*Follow the 4.45 Removal instructions!*

Prepare a new Chat Camera.

*Follow the 4.45 and 4.41 Installation instructions!*

*Follow the 5.17 – 5.23 Reassembly instructions!*



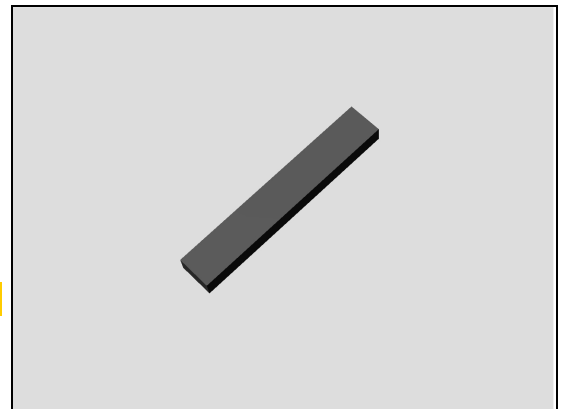
### 4.11 Cushion Battery Bottom

*Follow the 3.1 – 3.14 and 3.16 Disassembly instructions!*

Prepare a new Cushion Battery Bottom.

*Follow the 5.8 and 5.10 – 5.23 Reassembly instructions!*

**Scrap! Not to be reused!**



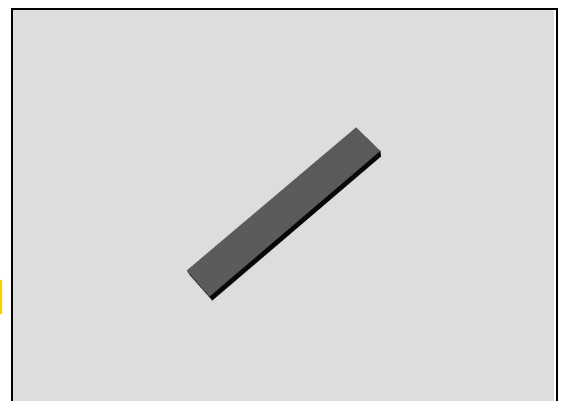
### 4.12 Cushion Battery Side

*Follow the 3.1 – 3.15 Disassembly instructions!*

Prepare a new Cushion Battery Side.

*Follow the 5.19 – 5.23 Reassembly instructions!*

**Scrap! Not to be reused!**



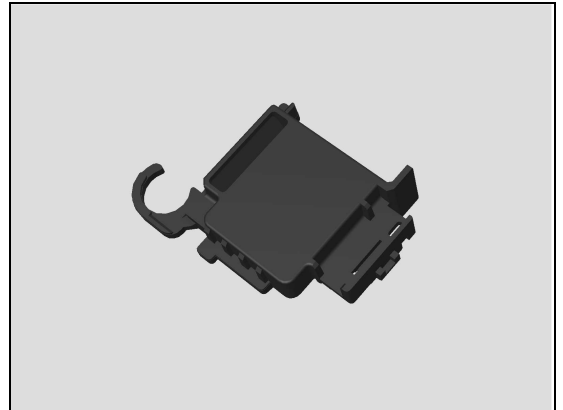
## Replacement

### 4.13 Holder Jack

*Follow the 3.1 – 3.10 Disassembly instructions!*

Prepare a new Holder Jack.

*Follow the 5.14 – 5.23 Reassembly instructions!*



### 4.14 Holder Vibrator

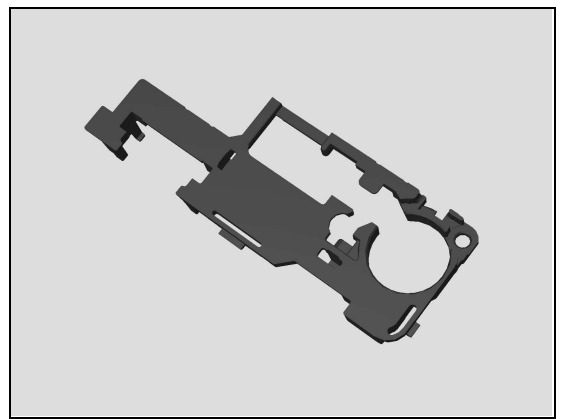
*Follow the 3.1 – 3.18 Disassembly instructions!*

*Follow the 4.63 Removal instructions!*

Prepare a new Holder Vibrator.

*Follow the 4.63 Installation instructions!*

*Follow the 5.6 – 5.23 Reassembly instructions!*

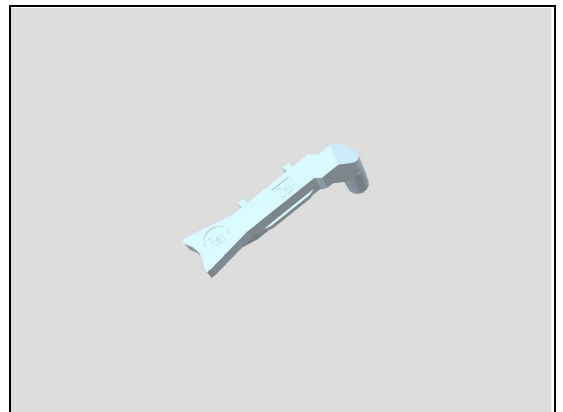


### 4.15 Light Guide 3LED

*Follow the 3.1 – 3.6 Disassembly instructions!*

Prepare a new Light Guide 3LED.

*Follow the 5.18 – 5.23 Reassembly instructions!*



### 4.16 Main Camera

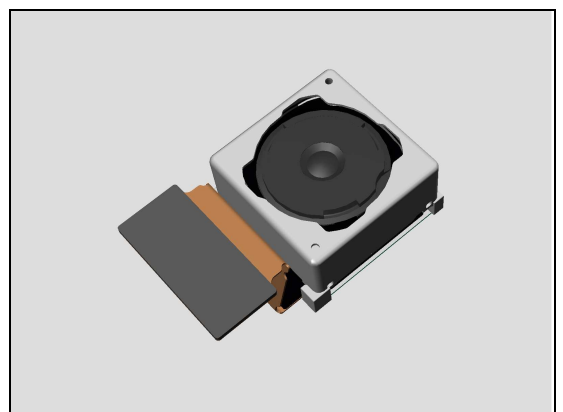
*Follow the 3.1 – 3.4 Disassembly instructions!*

*Follow the 4.46 Removal instructions!*

Prepare a new Main Camera.

*Follow the 4.46 Installation instructions!*

*Follow the 5.20 – 5.23 Reassembly instructions!*



## Replacement

### 4.17 Panel Rear

*Follow the 3.1 – 3.3 Disassembly instructions!*

Prepare a new Panel Rear.

*Follow the 4.50 and 4.51 Installation instructions!*

*Follow the 5.21 – 5.23 Reassembly instructions!*

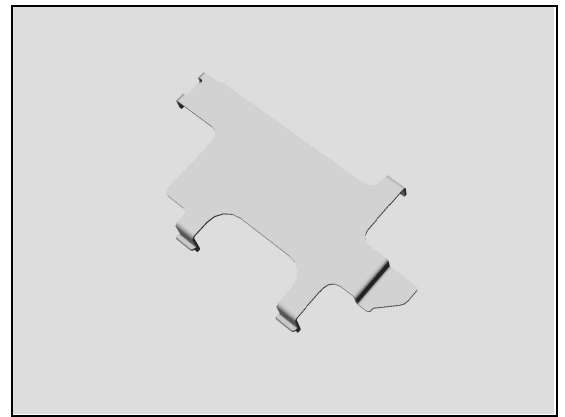


### 4.18 Plate Speaker

*Follow the 3.1 – 3.19 Disassembly instructions!*

Prepare a new Plate Speaker.

*Follow the 5.5 – 5.23 Reassembly instructions!*



### 4.19 Relay\_L Flex module

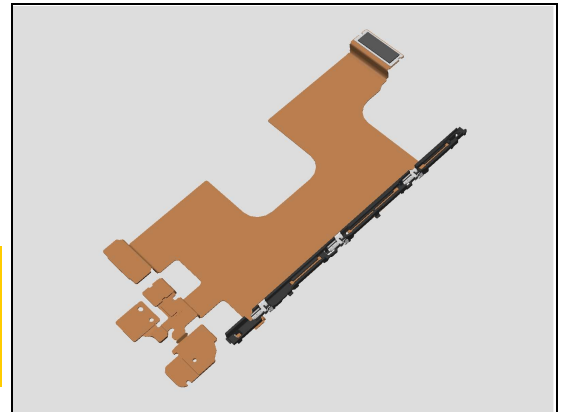
*Follow the 3.1 – 3.21 Disassembly instructions!*

Prepare a new Relay\_L Flex module.

*Follow the 4.34, 4.61, 4.38 and 4.39 Installation instructions!*

*Follow the 5.3 – 5.23 Reassembly instructions!*

***This part can be reused if FPC is not folded or damaged.  
The part as shown is E6553's Relay\_L Flex module,  
E6553 and E6533 disassembly and reassembly method  
of this part are same.***



### 4.20 Relay\_U Flex module

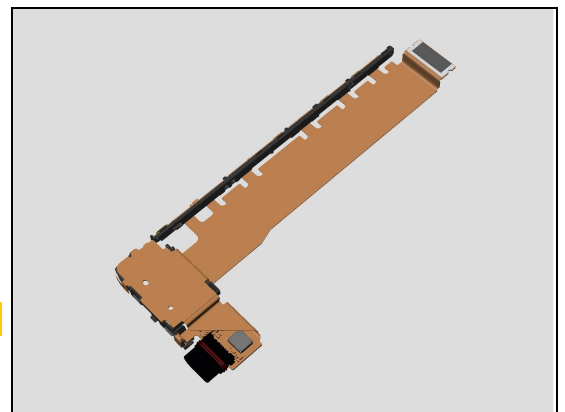
*Follow the 3.1 – 3.22 Disassembly instructions!*

Prepare a new Relay\_U Flex module.

*Follow the 4.38 Installation instructions!*

*Follow the 5.2 – 5.23 Reassembly instructions!*

***This part can be reused if FPC is not folded or damaged.***



## Replacement

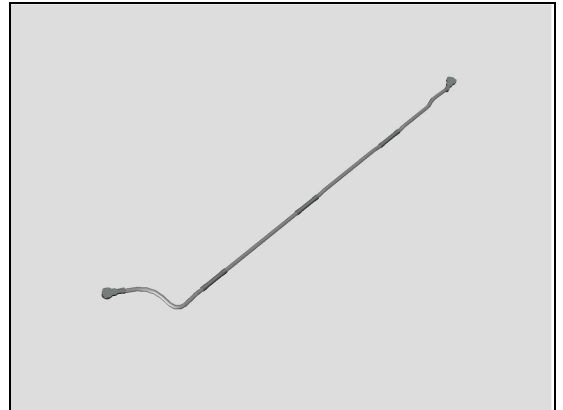
### 4.21 RF Cable

*Follow the 3.1 – 3.12 Disassembly instructions!*

Prepare a new RF Cable.

*Follow the 5.12 – 5.23 Reassembly instructions!*

**The difference of E6553 and E6533 disassembly and reassembly method of this part are in the disassembly and reassembly related chapters.**



### 4.22 Sheet Conductive Relay U

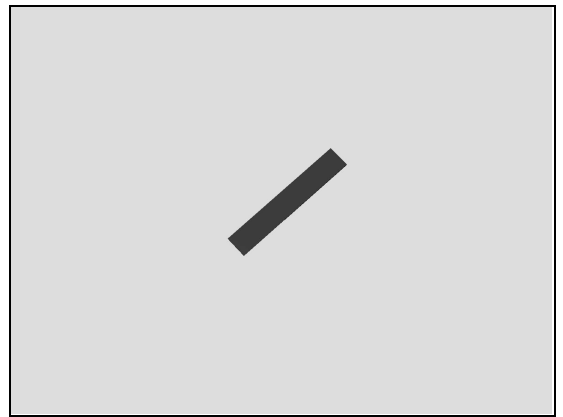
*Follow the 3.22 and 3.23 Disassembly instructions!*

Prepare a new Sheet Conductive Relay U.

*Follow the 5.1 and 5.2 Reassembly instructions!*

**Scrap! Not to be reused!**

**The difference of E6553 and E6533 reassembly method of this part are in the reassembly related chapters.**



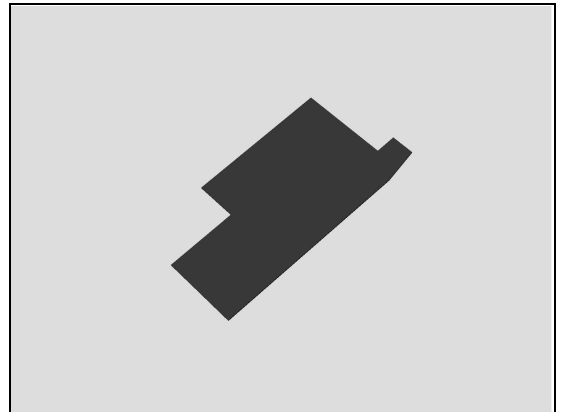
### 4.23 Sheet Shade 3LED

*Follow the 3.1 – 3.3 Disassembly instructions!*

Prepare a new Sheet Shade 3LED.

*Follow the 5.21 – 5.23 Reassembly instructions!*

**Scrap! Not to be reused!**

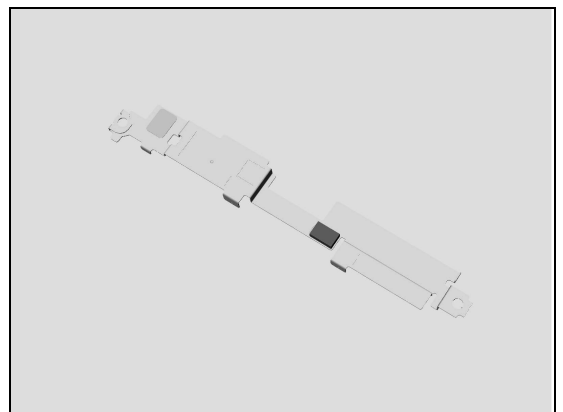


### 4.24 Shield FPC LCD Sub Assy

*Follow the 3.1 – 3.23 Disassembly instructions!*

Prepare a new Shield FPC LCD Sub Assy.

*Follow the 5.1 – 5.23 Reassembly instructions!*



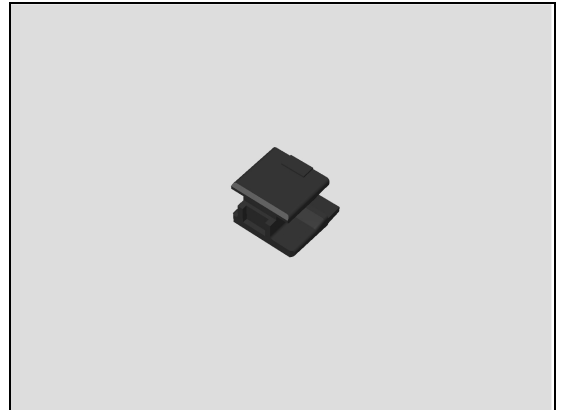
## Replacement

### 4.25 Spacer Battery

*Follow the 3.1 – 3.17 Disassembly instructions!*

Prepare a new Spacer Battery.

*Follow the 5.7 – 5.23 Reassembly instructions!*



### 4.26 Top Flex module

*Follow the 3.1 – 3.9 Disassembly instructions!*

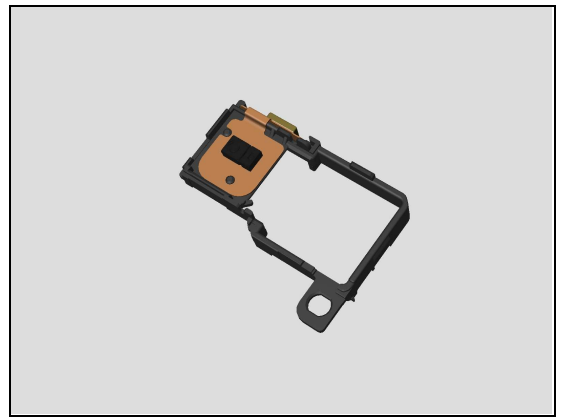
*Follow the 4.62 Removal instructions!*

Prepare a new Top Flex module.

*Follow the 4.62 Installation instructions!*

*Follow the 5.15 – 5.23 Reassembly instructions!*

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



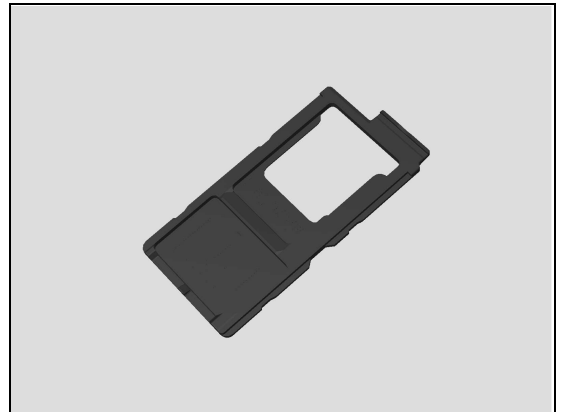
### 4.27 Tray Combo (E6553)/ Tray Dual Nano SIM DS (E6533)

*Follow the 3.1 Disassembly instructions!*

Prepare a new Tray Combo (E6553)/ Tray Dual Nano SIM DS (E6533).

*Follow the 5.23 Reassembly instructions!*

**The part as shown is E6553's Tray Combo, E6553 Tray Combo and E6533 Tray Dual Nano SIM DS disassembly and reassembly method are same.**

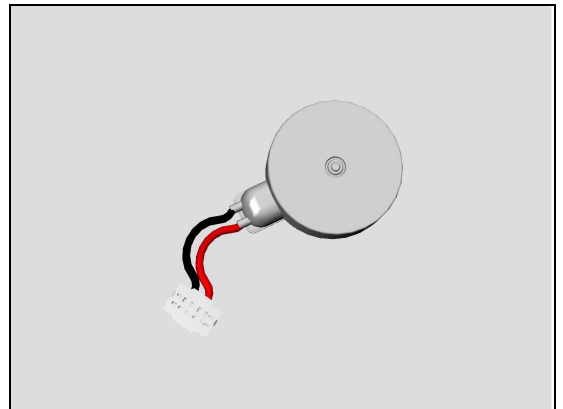


### 4.28 Vibrator

*Follow the 3.1 – 3.13 Disassembly instructions!*

Prepare a new Vibrator.

*Follow the 5.11 – 5.23 Reassembly instructions!*



## Replacement

### 4.29 Display Frame Assy (E6553)

*Follow the 3.1 – 3.23 Disassembly instructions!*

Prepare a new Display Frame Assy.

*Follow the 4.54, 4.55, 4.59, 5.64 and 4.44 Installation instructions!*

*Follow the 5.1 – 5.23 Reassembly instructions!*

**Proximity and Noise Cancelling, Calibration must be performed for all replaced units; 1289-2983 Trouble Shooting Application – mechanical.**



### 4.30 Display Frame Assy DS (E6533)

*Follow the 3.1 – 3.23 Disassembly instructions!*

Prepare a new Display Frame Assy.

*Follow the 4.54, 4.55, 4.60, 5.64 and 4.44 Installation instructions!*

*Follow the 5.1 – 5.23 Reassembly instructions!*

**Proximity and Noise Cancelling, Calibration must be performed for all replaced units; 1289-2983 Trouble Shooting Application – mechanical.**



## Replacement

### 4.31 Adhesive WP Audio Jack

*Follow the 3.1 – 3.8 and 3.10 – 3.11 Disassembly instructions!*

*Follow the 4.33 Removal instructions!*

Prepare a new Adhesive WP Audio Jack.

*Follow the 4.33 Installation instructions!*

*Follow the 5.13 – 5.14 and 5.16 – 5.23 Reassembly instructions!*

#### REMOVAL

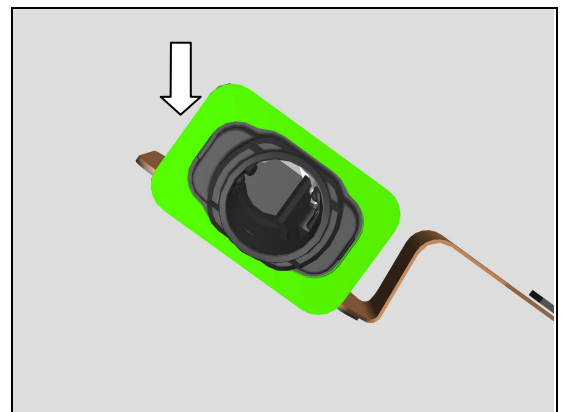
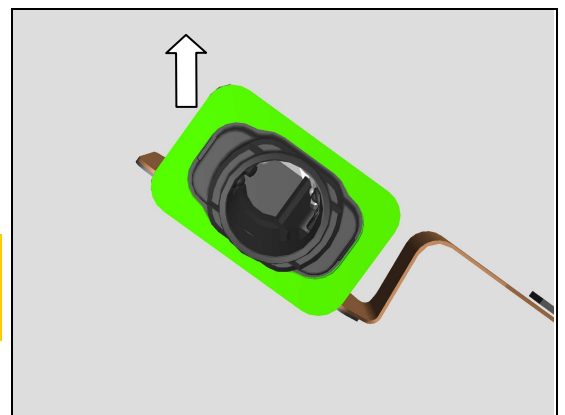
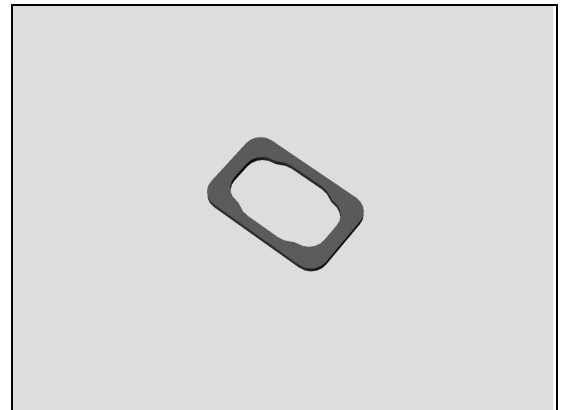
Detach the Adhesive WP Audio Jack and remove it with a pair of Plastic Tweezers.

**Scrap! Not to be reused!**

**Make sure all remaining adhesive residue have been removed!**

#### INSTALLATION

Attach a new Adhesive WP Audio Jack by using a pair of Plastic Tweezers as shown in picture.





## Replacement

### 4.32 Adhesive WR Panel Rear

*Follow the 3.1 – 3.3 Disassembly instructions!*

Prepare a new Adhesive WR Panel Rear.

*Follow the 5.21 – 5.23 Reassembly instructions!*

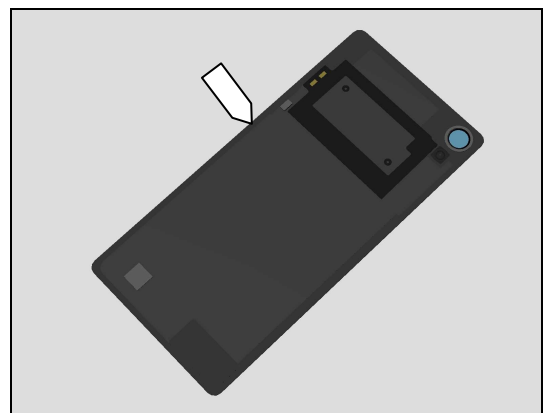
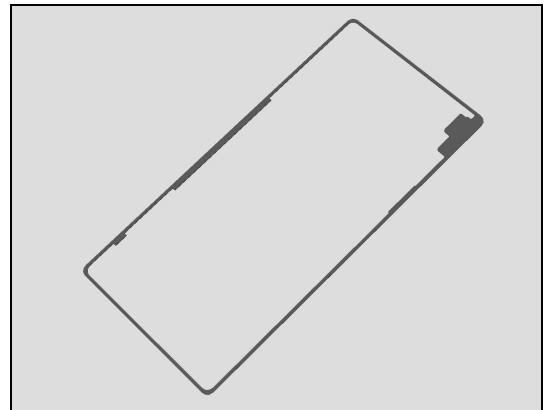
#### REMOVAL

Detach to remove the Adhesive WR Panel Rear with fingers.

**Scrap! Not to be reused!**

**Note! Do not damage or scratch the Panel Rear.**

**Make sure all remaining adhesive residue have been removed!**

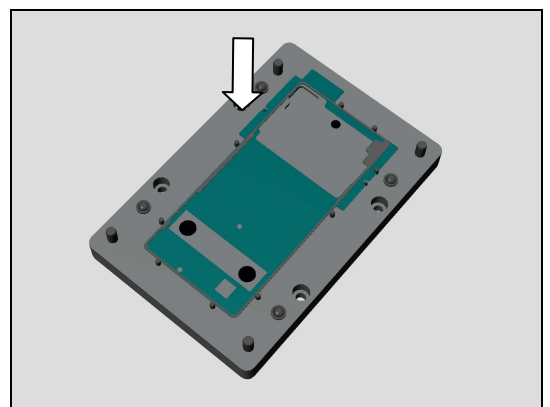


#### INSTALLATION

Prepare the Bottom Part of the Rear Panel Adhesive alignment fixture.



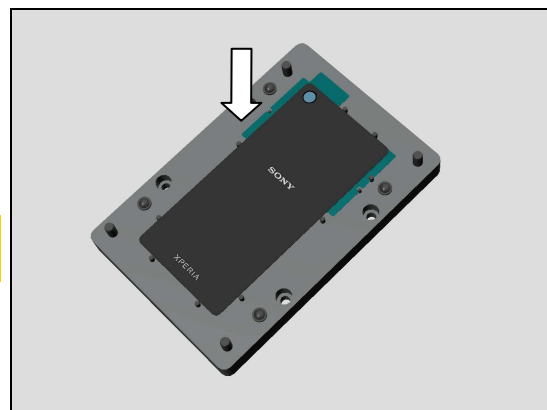
Place a new Adhesive WR Panel Rear with protection film onto the Rear Panel Adhesive alignment fixture (Bottom Part).



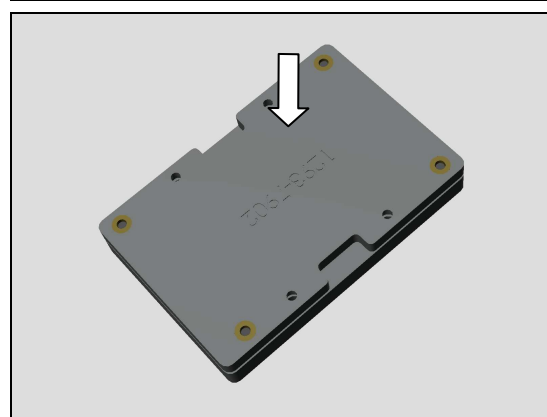
## Replacement: Adhesive WR Panel Rear

Place the old Panel Rear above the Adhesive WR Panel Rear.

**Important to make sure that old adhesive is removed before installation because of WRT requirement!**



Place the Upper Part of the fixture and press by hand for 10 seconds.



## Replacement

### 4.33 Audio Jack and Spacer Audio Jack

Follow the 3.1 – 3.8 and 3.10 – 3.11 Disassembly instructions!

Prepare a new Audio Jack and Spacer Audio Jack.

Follow the 4.31 Installation instructions!

Follow the 5.13 – 5.14 and 5.16 – 5.23 Reassembly instructions!

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

#### REMOVAL

Push the Audio Jack hole to detach the Audio Jack by using the Front Opening Tool as shown in picture.

**Note! Do not damage the cosmetic parts.**

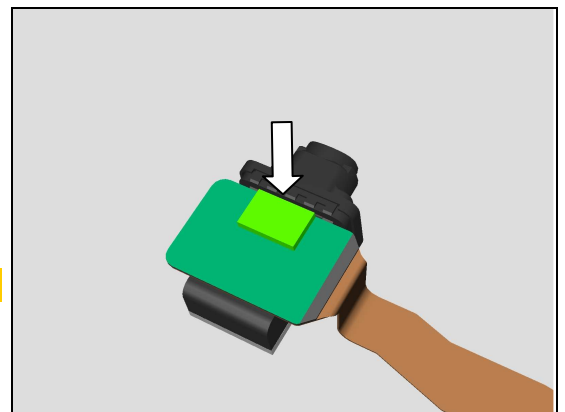
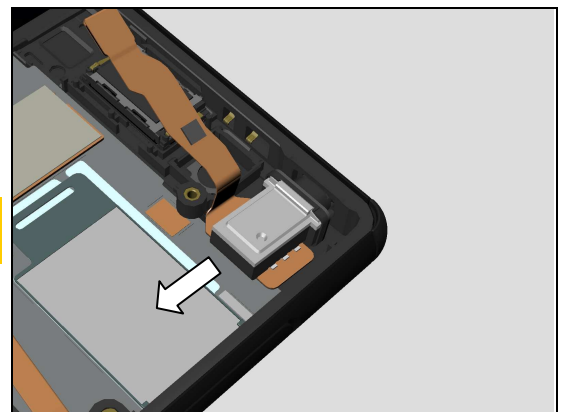
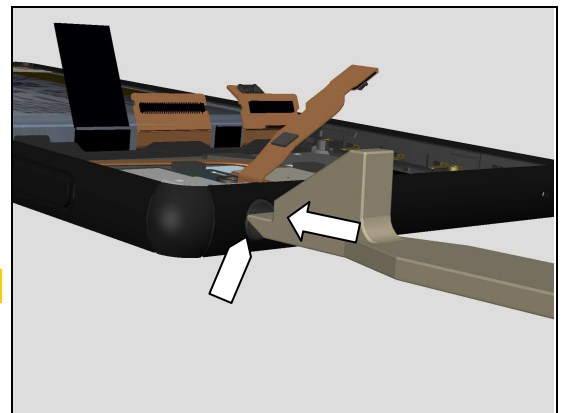
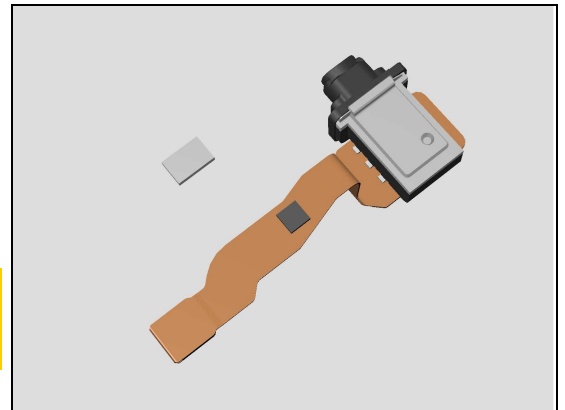
Remove the Audio Jack.

**Note! Lift the Audio Jack a little to avoid metal plate blocking it.**

#### INSTALLATION

Attach a new Spacer Audio Jack in its proper position as shown in picture.

**Scrap the old Spacer Audio Jack!**

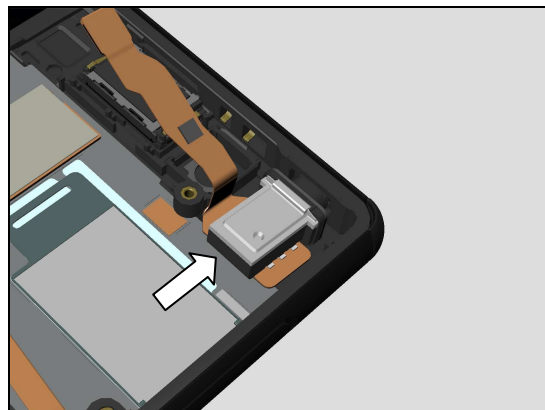


## Replacement: Audio Jack and Spacer Audio Jack

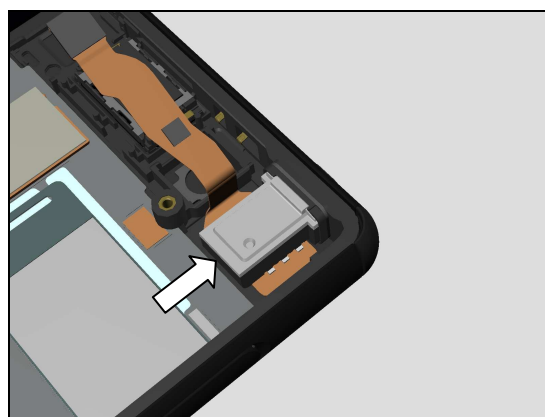
**Follow to disassemble and reassemble a new Adhesive WP Audio Jack.**

Insert to mount a new Audio Jack into its hole as shown in picture.

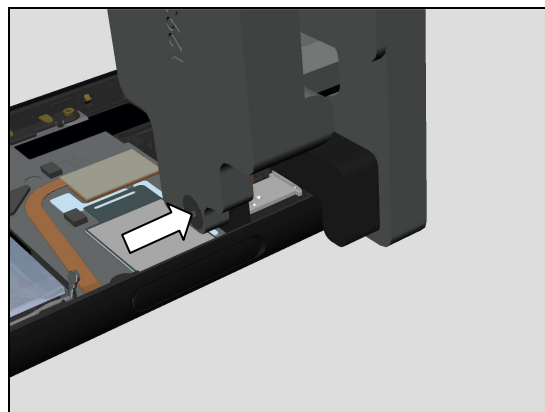
**Make sure all remaining adhesive residue have been removed!**



Secure the Audio Jack onto its proper position.



Press it by using the Press Clamp Audio Jack for 10 seconds.



## Replacement

### 4.34 Cap Mic 1st Sub Assy

*Follow the 3.1 – 3.21 Disassembly instructions!*  
*Prepare a new Cap Mic 1st Sub Assy.*  
*Follow the 4.61 Installation instructions!*  
*Follow the 5.3 – 5.23 Reassembly instructions!*

#### REMOVAL

Detach the Cap Mic 1st Sub Assy and the Sheet WR Mic 1st with the Front Opening Tool.

**Scrap! Not to be reused!**

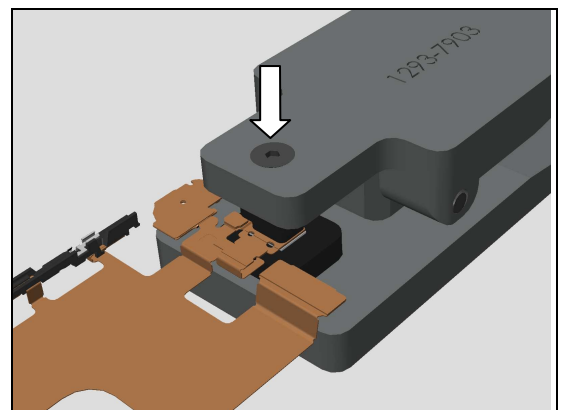
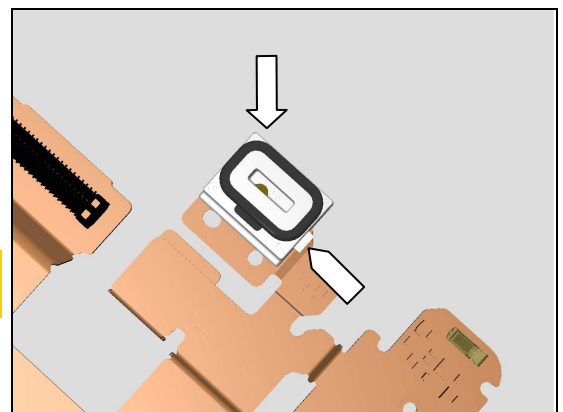
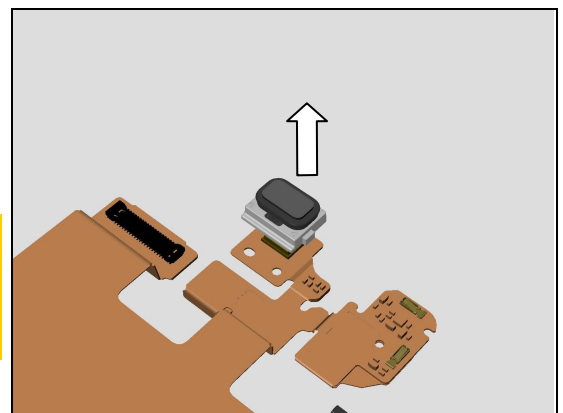
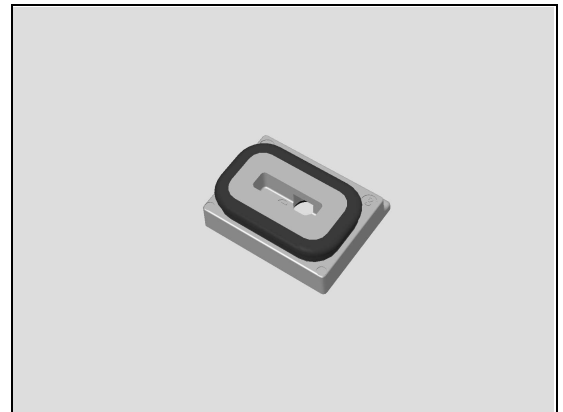
**Be careful! Do not damage the Relay\_L Flex module.**  
**Make sure all remaining adhesive residue on the FPC have been removed!**

#### INSTALLATION

Attach a new Cap Mic 1st Sub Assy in alignment with the shape of FPC as shown in picture.

**Note the correct orientation of the Cap Mic 1st Sub Assy.**

Press it by using the Press Clamp Mic Holder for 6 seconds.



## Replacement

### 4.35 Cap SIM/SD

Prepare a new Cap SIM/SD.

**The part as shown is E6553's Cap SIM/SD, E6553 and E6533 disassembly and reassembly method of this part are same.**

#### REMOVAL

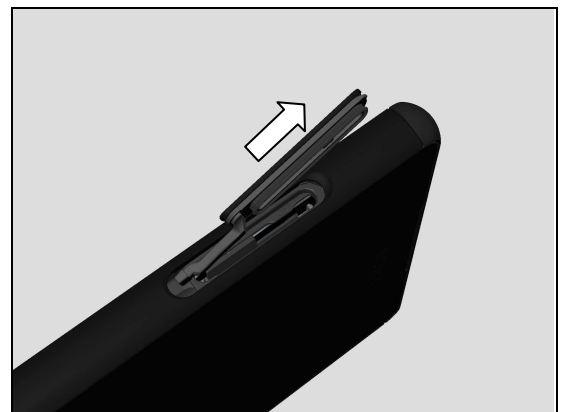
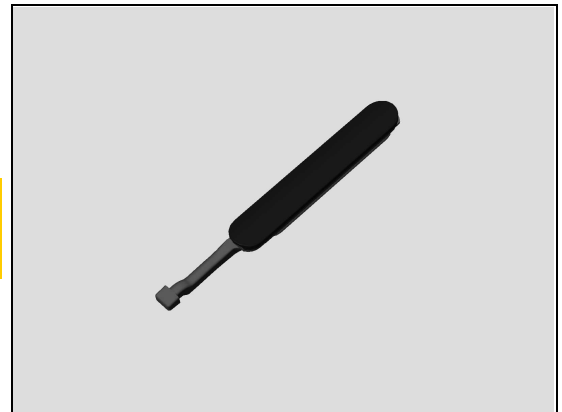
Open the Cap SIM/SD.

Pull out the Cap SIM/SD a little as shown in picture.

**Note! Do not pull out the Cap SIM/SD until you feel something block it.**

Turn the Cap SIM/SD 90 degrees as shown in picture.

Release the Cap SIM/SD from its hole.



## Replacement: Cap SIM/SD

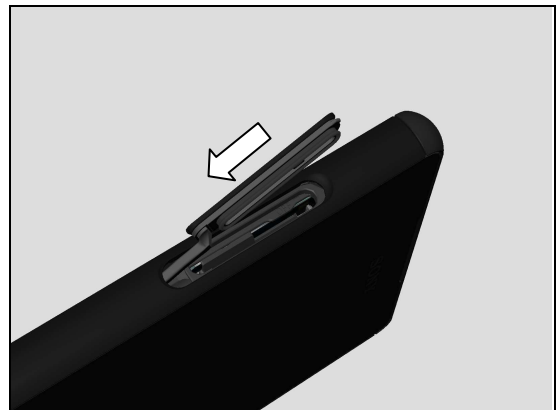
### INSTALLATION

Adjust correct position and angle of the Cap SIM/SD before inserting as shown in picture.

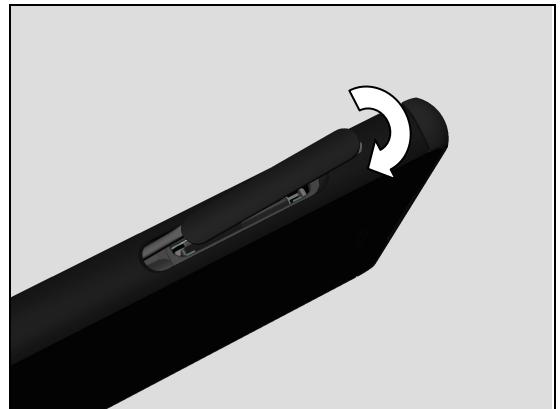


Insert the Cap SIM/SD into its hole as shown in picture.

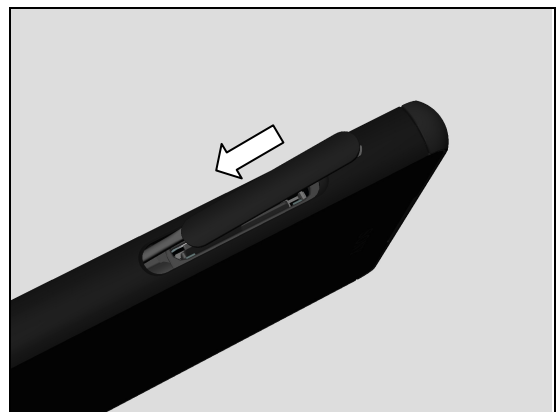
**Note! Do not insert the Cap SIM/SD to the bottom.**



Turn the Cap SIM/SD 90 degrees as shown in picture.



Insert the Cap SIM/SD to the bottom and then close the Cap SIM/SD.



## Replacement

### 4.36 Cap Speaker Sub Assy

*Follow the 3.1 – 3.20 Disassembly instructions!*

Prepare a new Cap Speaker Sub Assy.

Follow the 5.4 – 5.23 Reassembly instructions!

**Make sure to update SW by EMMA after replacing the Loudspeakers.**

#### REMOVAL

Scrap the Loudspeaker, Adhesive WR Speaker and Cap Speaker Sub Assy directly.

**Scrap! Not to be reused!**

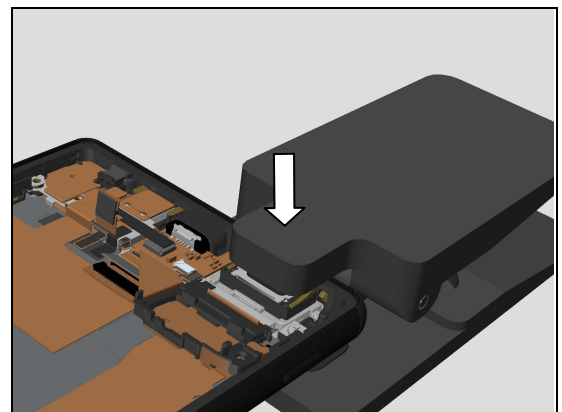
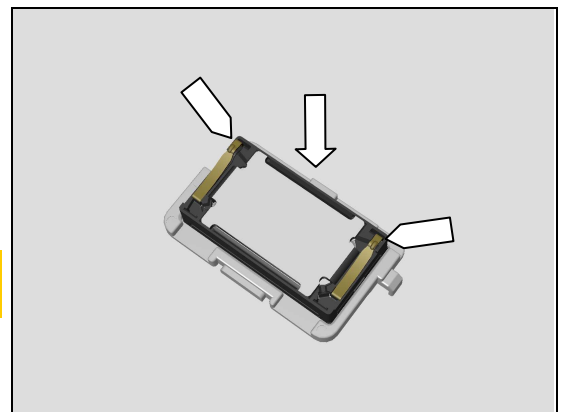
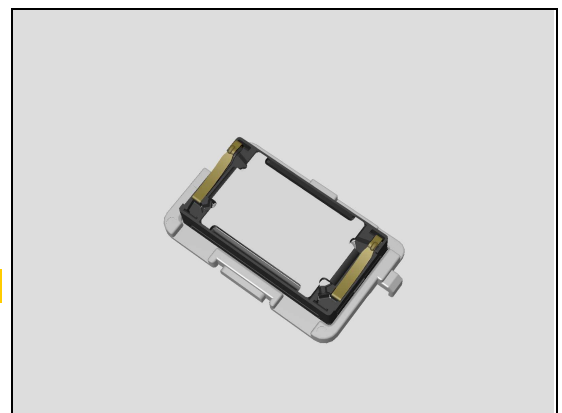
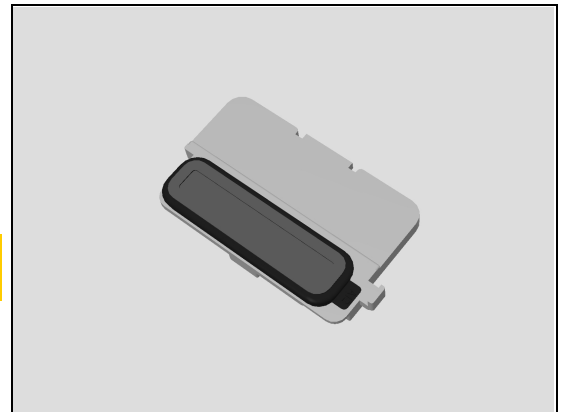
#### INSTALLATION

Attach a new Loudspeaker onto a new Cap Speaker Sub Assy in its proper position as shown in picture.

**Note the correct orientation of the Loudspeaker contact spring to be installed as shown in picture!**

Mount the Loudspeaker and Adhesive WR Speaker into its cavity.

Then press it with Press Tool for 5 seconds.





## Replacement

### 4.37 Conduction Tape DS (E6533)

*Follow the 3.1 – 3.8 Disassembly instructions!*  
*Prepare a new Conduction Tape DS.*  
*Follow the 5.16 – 5.23 Reassembly instructions!*

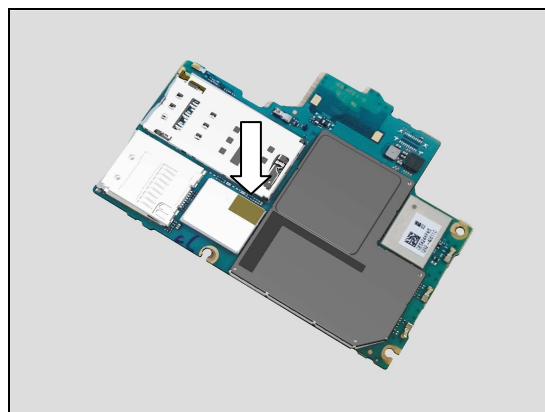
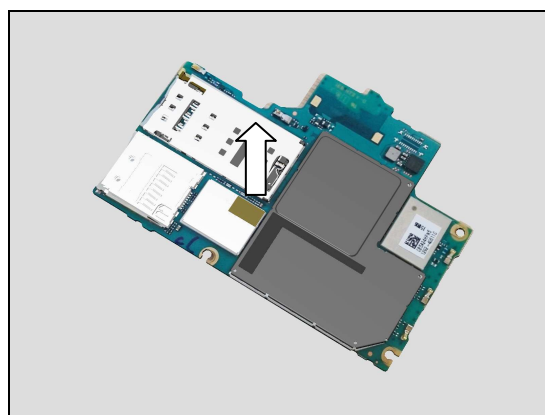
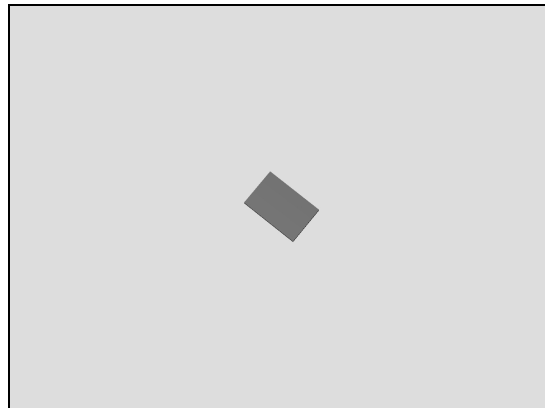
#### REMOVAL

Detach the Conduction Tape DS.

**Scrap! Not to be reused!**

#### INSTALLATION

Attach a new Conduction Tape DS in its proper position.



## Replacement

### 4.38 Cushion BTB L

*Follow the 3.1 – 3.4 Disassembly instructions!*  
*Prepare a new Cushion BTB L.*  
*Follow the 5.20 – 5.23 Reassembly instructions!*

#### REMOVAL

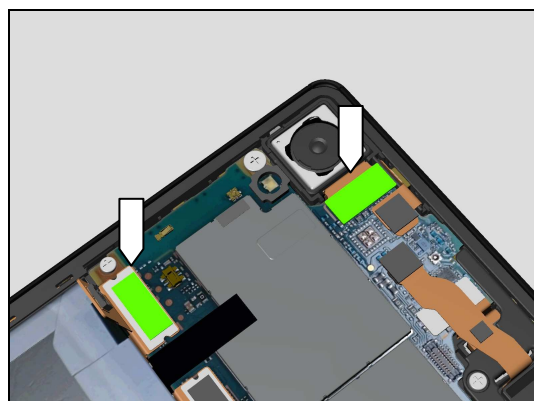
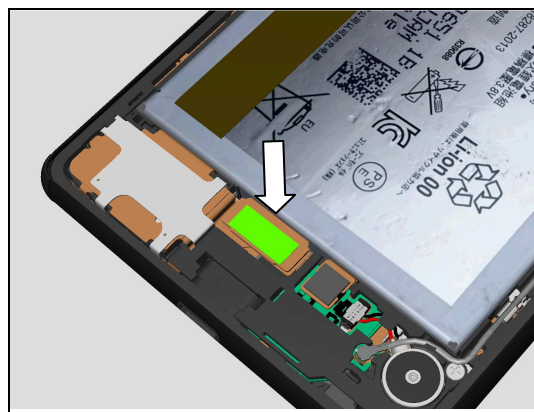
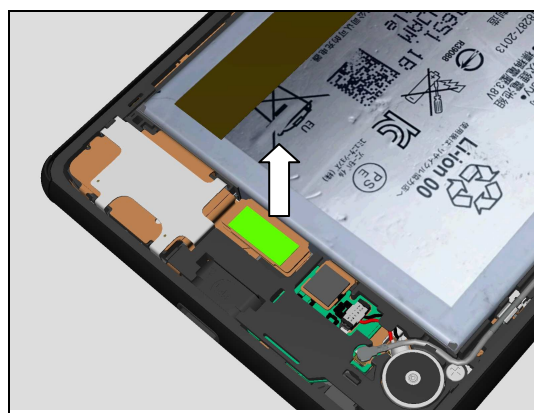
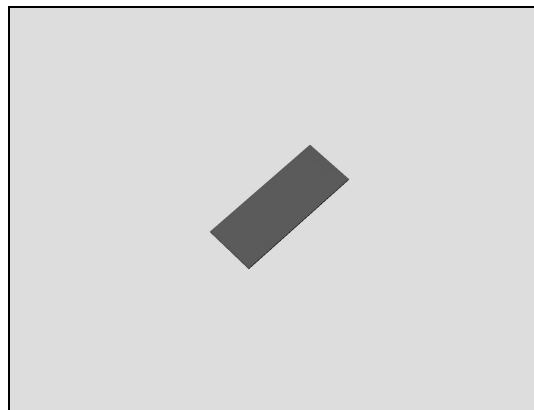
Detach the Cushion BTB L.

**Scrap! Not to be reused.**

#### INSTALLATION

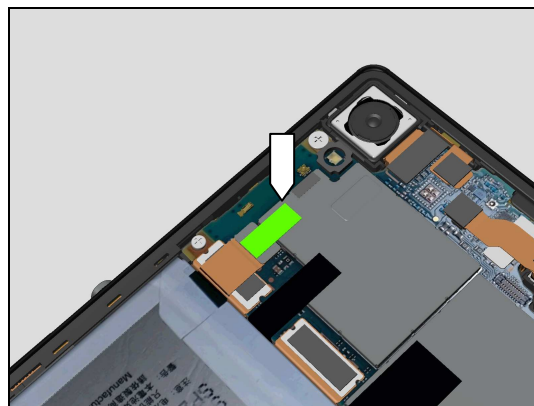
Attach a new Cushion BTB L in its proper position as shown in picture.

Do the same for these two Cushion BTB L.



## Replacement: Cushion BTB L

Do the same for this Cushion BTB L.



## Replacement

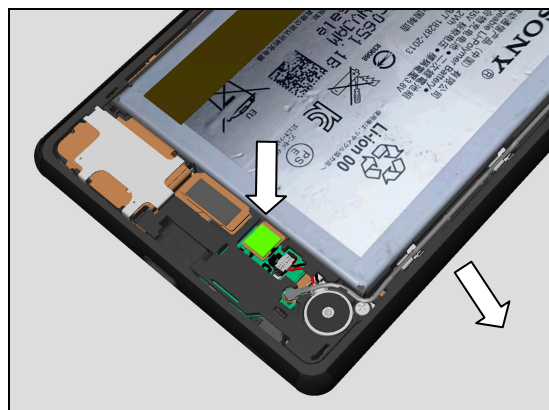
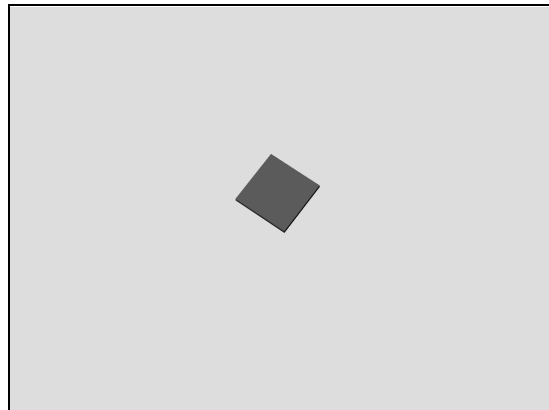
### 4.39 Cushion BTB S

*Follow the 3.1 – 3.4 Disassembly instructions!*  
*Prepare a new Cushion BTB S.*  
*Follow the 5.20 – 5.23 Reassembly instructions!*

#### REMOVAL

Detach the Cushion BTB S.

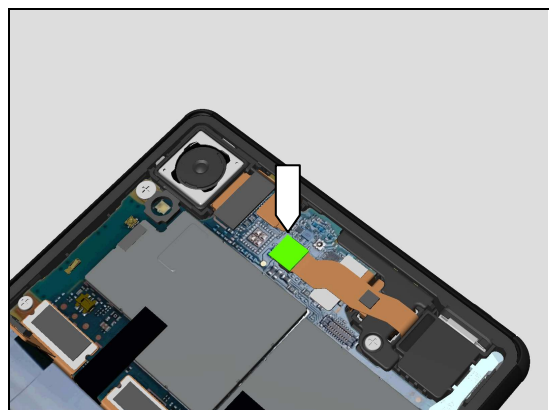
**Scrap! Not to be reused.**



#### INSTALLATION

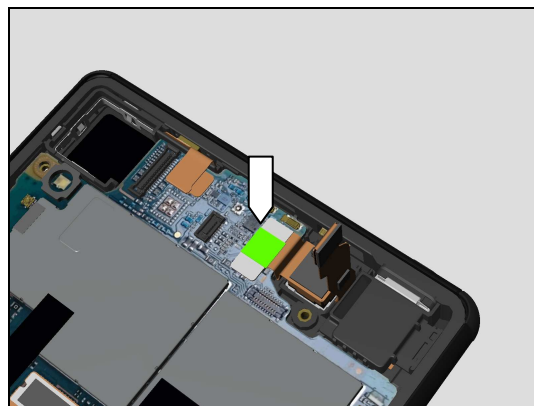
Attach a new Cushion BTB S in its proper position as shown in picture.

Do the same for this Cushion BTB S.



## Replacement: Cushion BTB S

Do the same for this Cushion BTB S.



## Replacement

### 4.40 Cushion Flash

*Follow the 3.1 – 3.4 Disassembly instructions!*  
*Prepare a new Cushion Flash.*  
*Follow the 5.20 – 5.23 Reassembly instructions!*

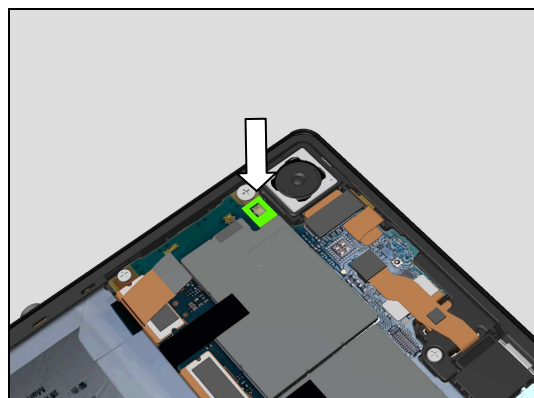
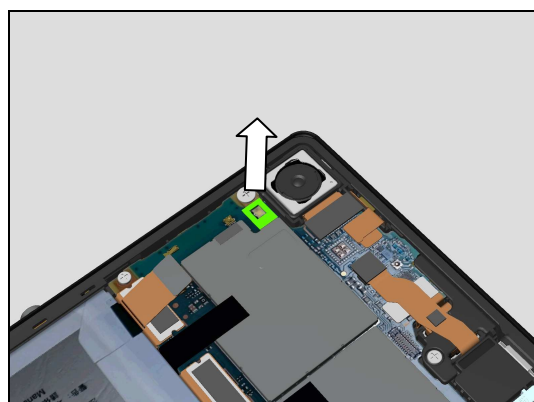
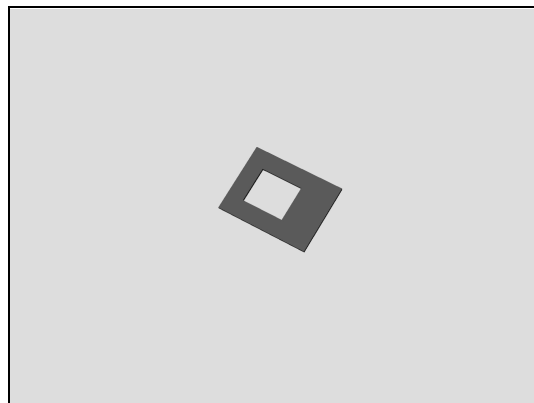
#### REMOVAL

Detach the Cushion Flash and remove it.

**Scrap! Not to be reused!**

#### INSTALLATION

Attach a new Cushion Flash in its proper position as shown in picture.



## Replacement

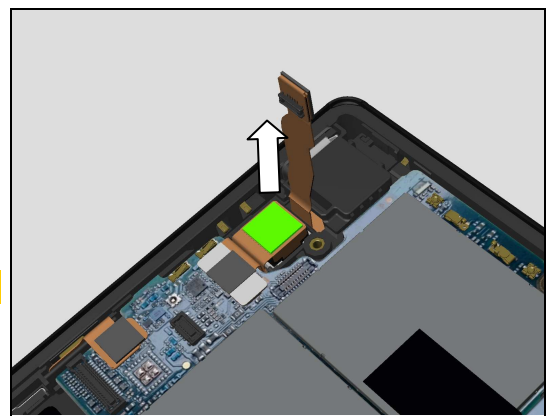
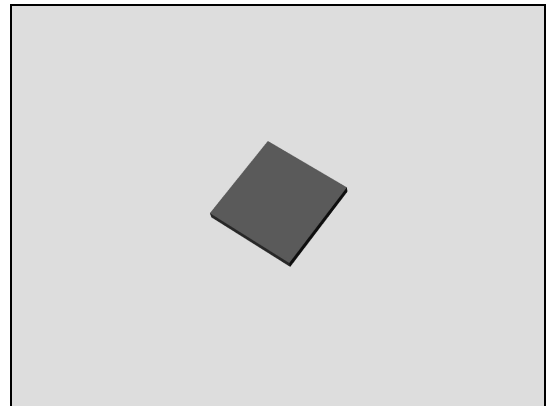
### 4.41 Cushion Sub Camera Rear

*Follow the 3.1 – 3.5 Disassembly instructions!*  
*Prepare a new Cushion Sub Camera Rear.*  
*Follow the 5.19 – 5.23 Reassembly instructions!*

#### REMOVAL

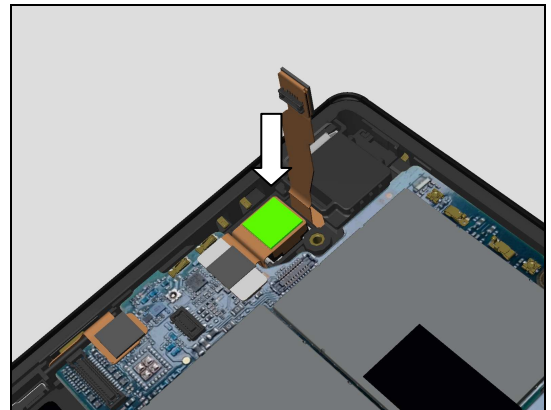
Detach the Cushion Sub Camera Rear and remove it with a pair of Plastic Tweezers.

**Scrap! Not to be reused!**



#### INSTALLATION

Attach a new Cushion Sub Camera Rear by using a pair of Plastic Tweezers as shown in picture.



## Replacement

### 4.42 Cushion Vibrator

*Follow the 3.1 – 3.4 Disassembly instructions!*  
*Prepare a new Cushion Vibrator.*  
*Follow the 5.20– 5.23 Reassembly instructions!*

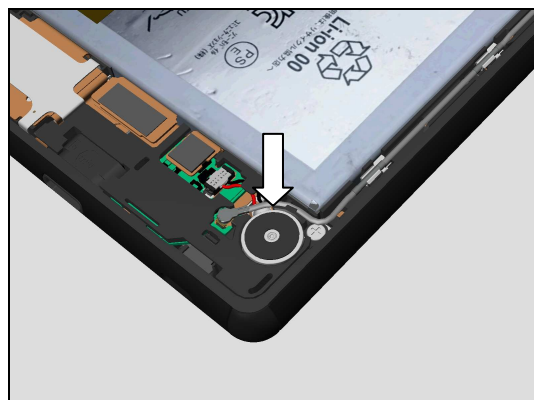
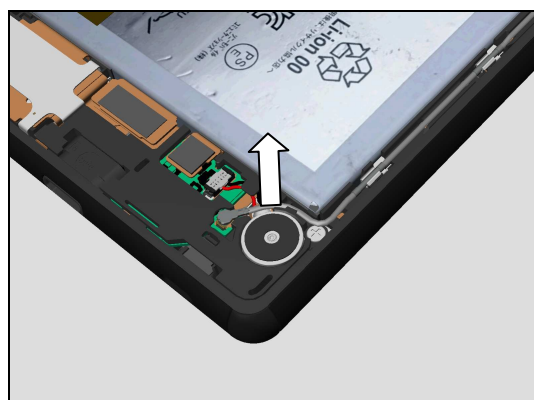
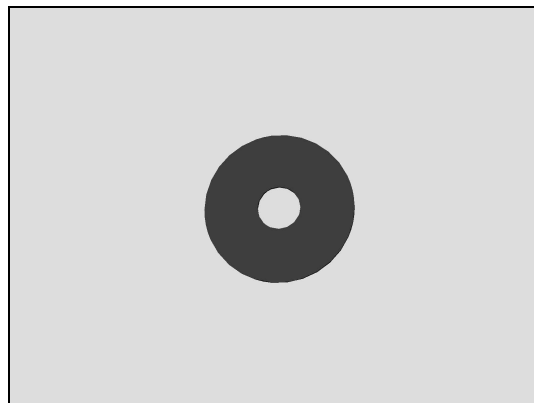
#### REMOVAL

Detach the Cushion Vibrator and remove it with a pair of Plastic Tweezers.

**Scrap! Not to be reused!**

#### INSTALLATION

Attach a new Cushion Vibrator by using a pair of Plastic Tweezers as shown in picture.





## Replacement

### 4.43 Gasket Conductive Relay-U

*Follow the 3.1 – 3.8 Disassembly instructions!*  
*Prepare a new Gasket Conductive Relay-U.*  
*Follow the 5.16 – 5.23 Reassembly instructions!*

#### REMOVAL

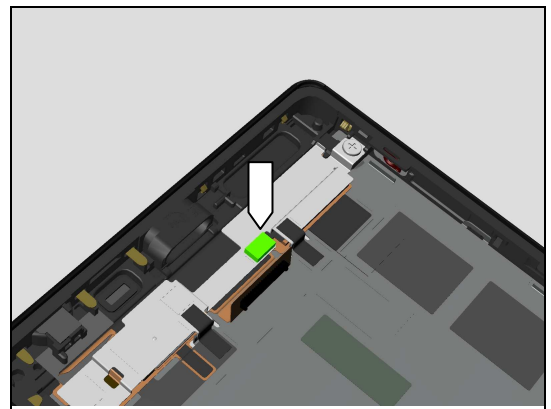
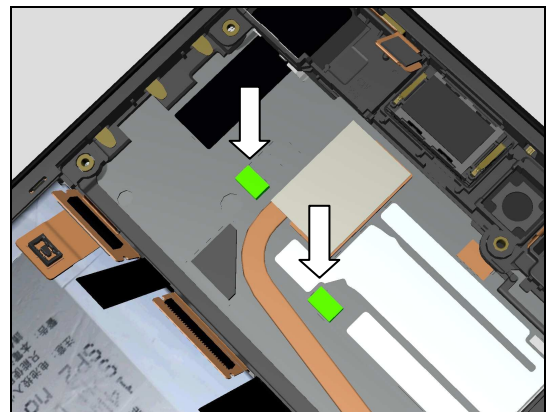
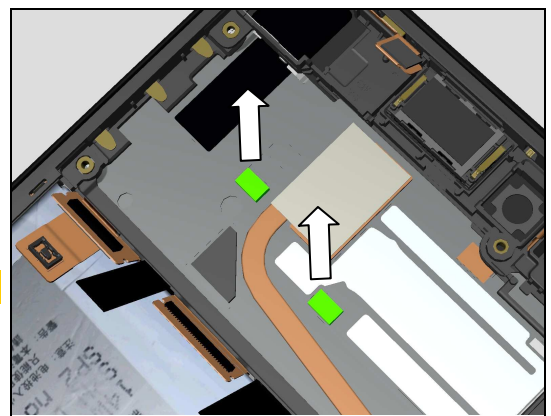
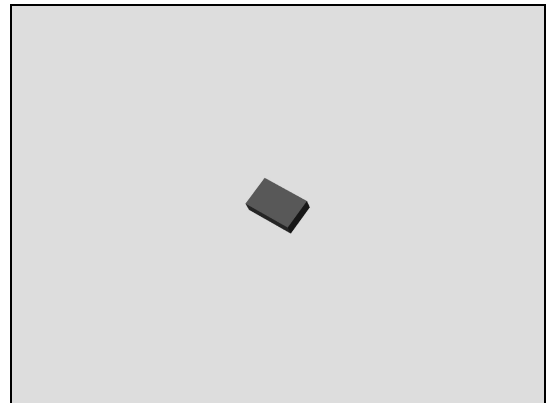
Detach the Gasket Conductive Relay-U and remove it with a pair of Plastic Tweezers.

**Scrap! Not to be reused!**

#### INSTALLATION

Attach a new Gasket Conductive Relay-U by using a pair of Plastic Tweezers as shown in picture.

Do the same with this Gasket Conductive Relay-U.



## Replacement

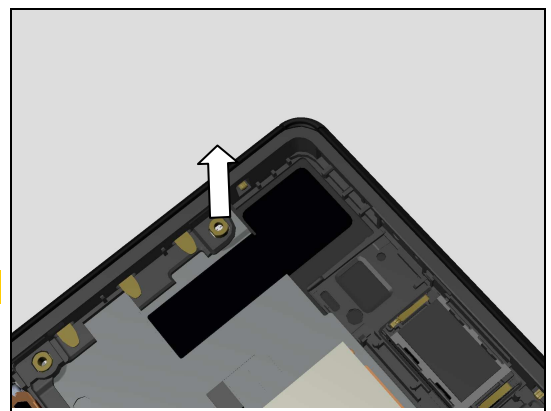
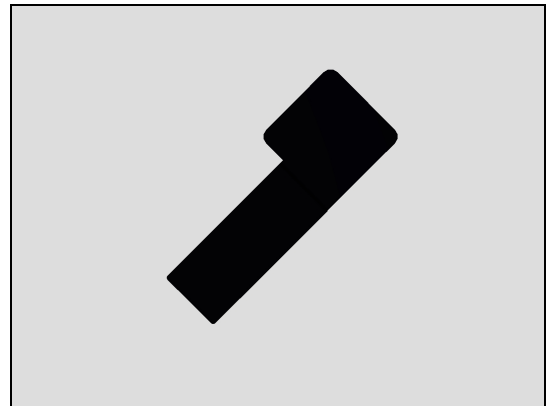
### 4.44 Graphite Camera

*Follow the 3.1 – 3.9 Disassembly instructions!*  
*Prepare a new Graphite Camera.*  
*Follow the 5.15 – 5.23 Reassembly instructions!*

#### REMOVAL

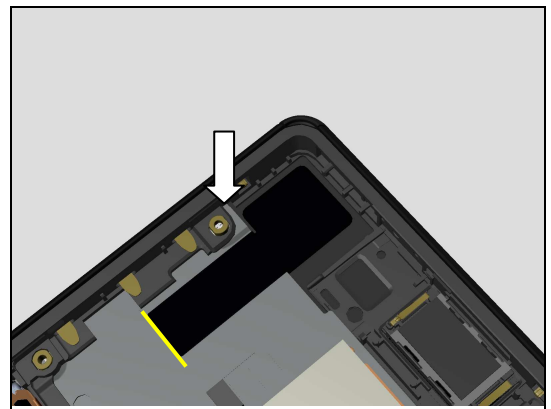
Detach the Graphite Camera and remove it with a pair of Plastic Tweezers.

**Scrap! Not to be reused!**



#### INSTALLATION

Attach a new Graphite Camera in alignment with the guiding line by using a pair of Plastic Tweezers as shown in picture.



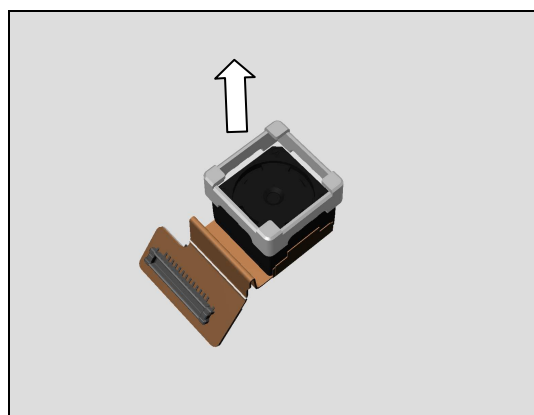
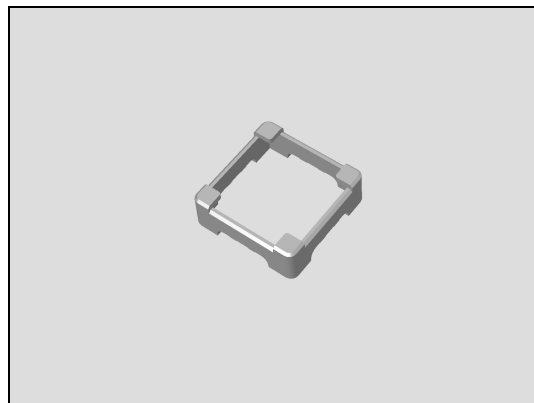
## Replacement

### 4.45 Holder Chat Camera

*Follow the 3.1 – 3.7 Disassembly instructions!*  
*Prepare a new Holder Chat Camera.*  
*Follow the 5.17 – 5.23 Reassembly instructions!*

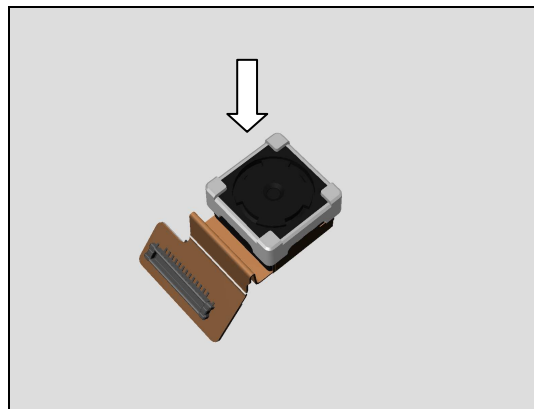
#### REMOVAL

Remove the Holder Chat Camera.



#### INSTALLATION

Mount a new Holder Chat Camera as shown in picture.



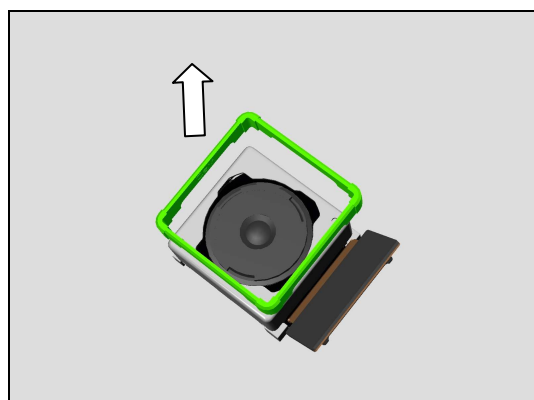
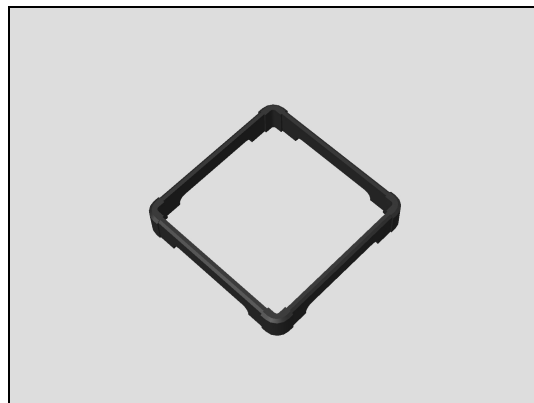
## Replacement

### 4.46 Holder Main Camera

*Follow the 3.1 – 3.4 Disassembly instructions!*  
*Prepare a new Holder Main Camera.*  
*Follow the 5.20 – 5.23 Reassembly instructions!*

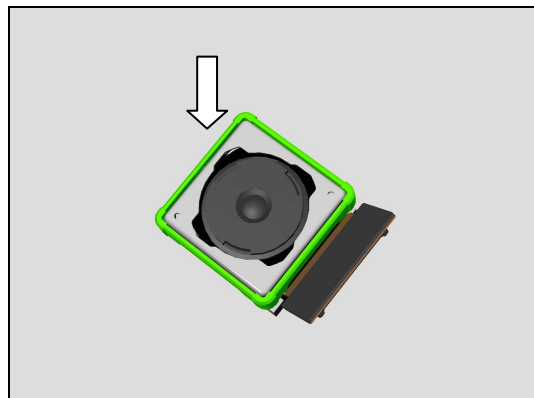
#### REMOVAL

Remove the Holder Main Camera.



#### INSTALLATION

Attach a new Holder Main Camera as shown in picture.



## Replacement

### 4.47 Label MoP (E6553)

*Prepare a new Label MoP.*

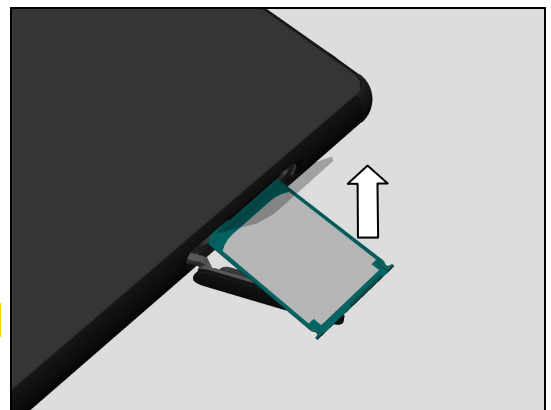
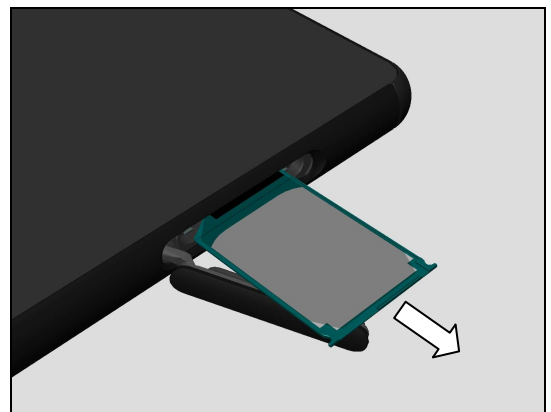
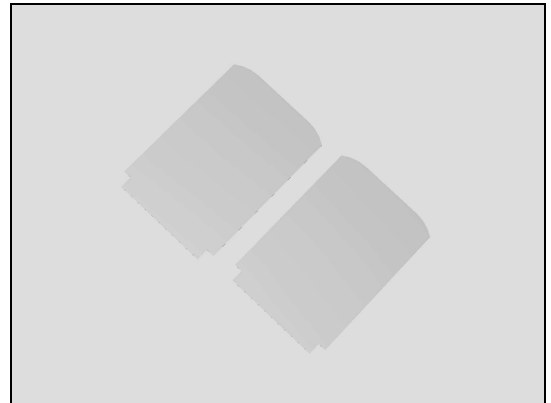
#### REMOVAL

Open the Cap SIM/SD.  
Identify the release rib for pulling.

Pull out the Sheet Slider MoP with fingers.

Lift the protection film.  
Read the front side of the old Label MoP and/or write the information into the 'Label Print Solution' program before removal.  
Carefully remove the front side of the Label MoP by using the Flex Film Assembly Tool.

**Scrap! Not to be reused!**



## Replacement: Label MoP (E6553)

Read the back side of the old Label MoP and/or write the information into the 'Label Print Solution' program before removal.

Carefully remove the back side of the Label MoP by using the Flex Film Assembly Tool.

**Scrap! Not to be reused!**

### INSTALLATION

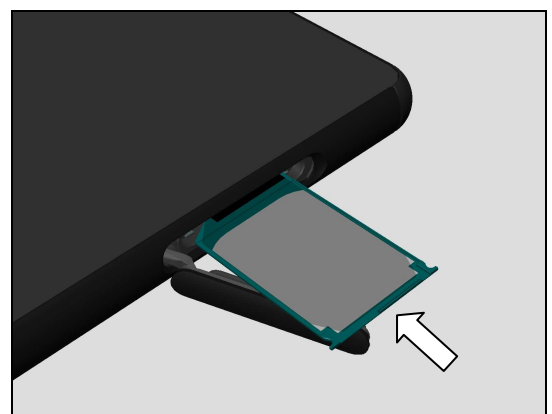
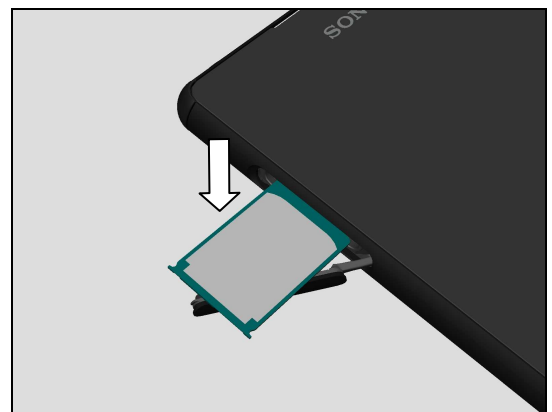
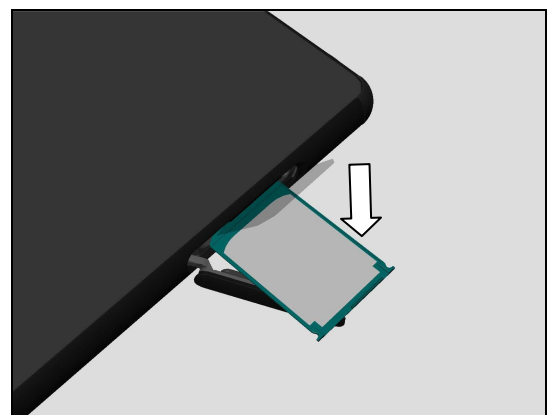
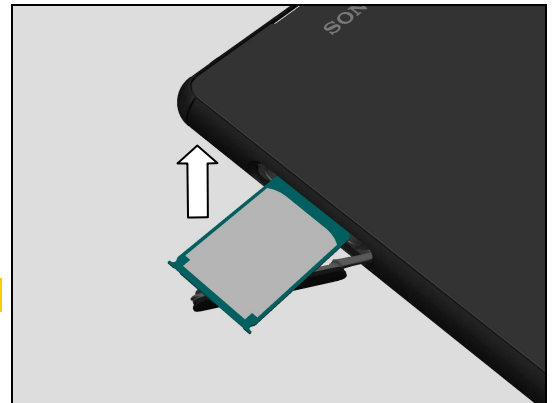
Check that the label format is properly loaded in the Zebra printer and write a new Label using the 'Label Print Solution' software.

Attach a new front side of the Label MoP in its proper position as shown in picture.

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

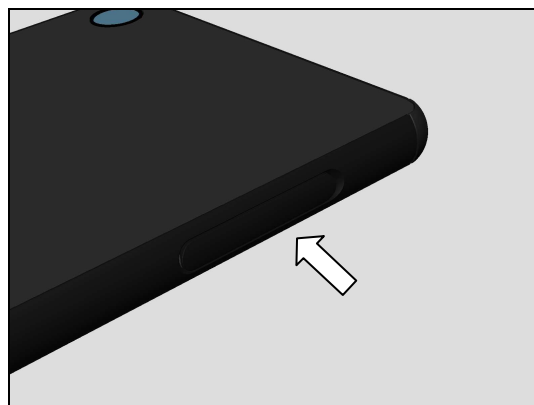
Attach a new back side of the Label MoP in its proper position as shown in picture.

Push the Sheet Slider MoP into the slot.



## Replacement: Label MoP (E6553)

Close the Cap SIM.



## Replacement

### 4.48 Label MoP DS (E6533)

*Prepare a new Label MoP DS.*

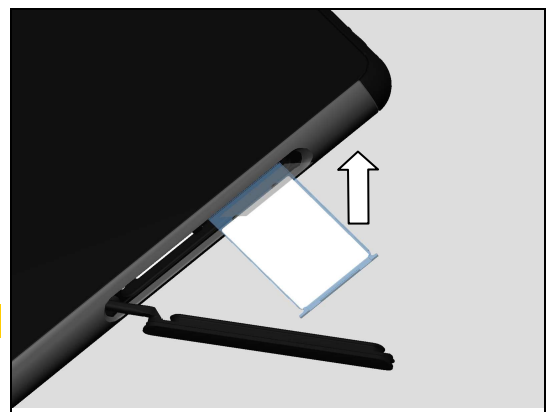
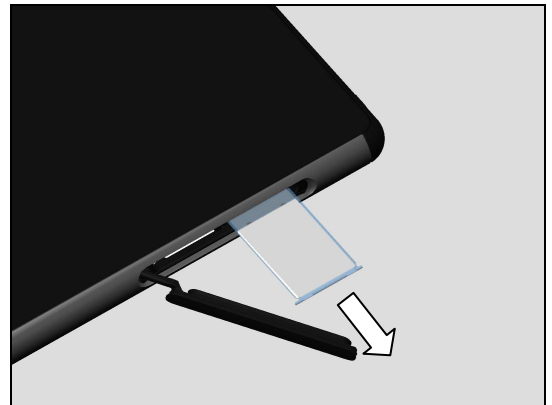
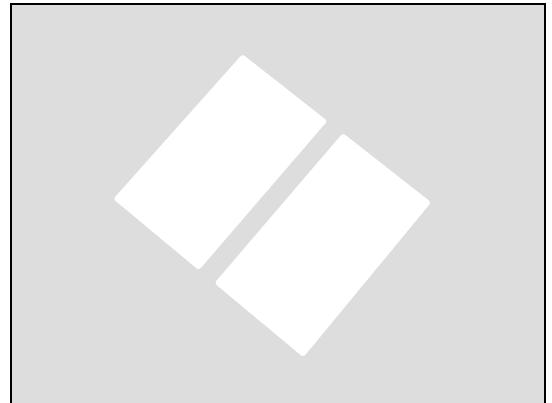
#### REMOVAL

Open the Cap SIM/SD.  
Identify the release rib for pulling.

Pull out the Sheet Slider MoP DS with fingers.

Lift the protection film.  
Read the front side of the old Label MoP DS and/or write the information into the 'Label Print Solution' program before removal.  
Carefully remove the front side of the Label MoP DS by using the Flex Film Assembly Tool.

**Scrap! Not to be reused!**





## Replacement: Label MoP DS (E6533)

Read the back side of the old Label MoP DS and/or write the information into the 'Label Print Solution' program before removal.

Carefully remove the back side of the Label MoP DS by using the Flex Film Assembly Tool.

**Scrap! Not to be reused!**

### INSTALLATION

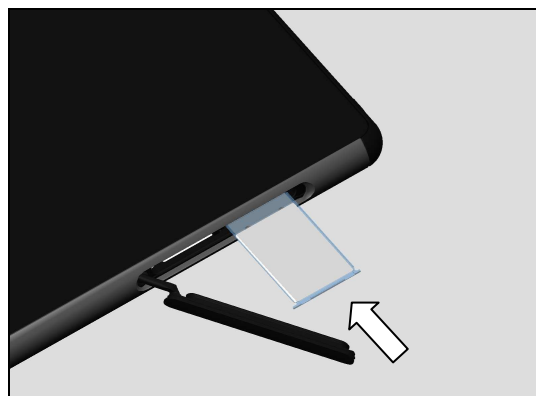
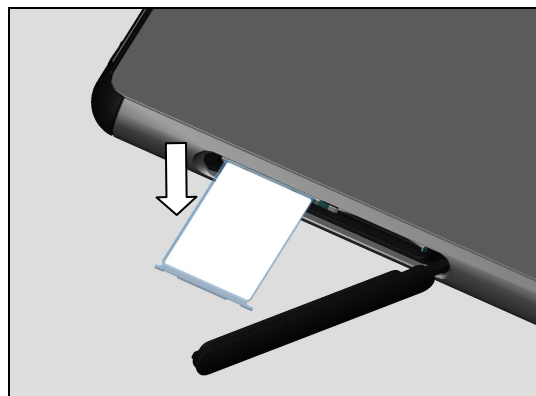
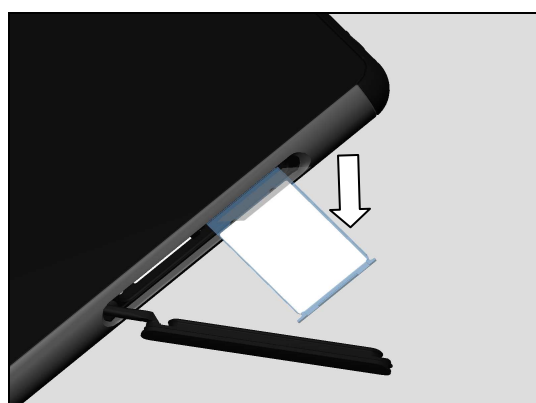
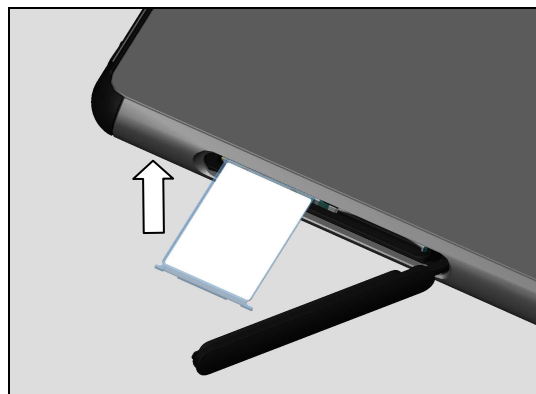
Check that the label format is properly loaded in the Zebra printer and write a new Label using the 'Label Print Solution' software.

Attach a new front side of the Label MoP DS in its proper position as shown in picture.

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

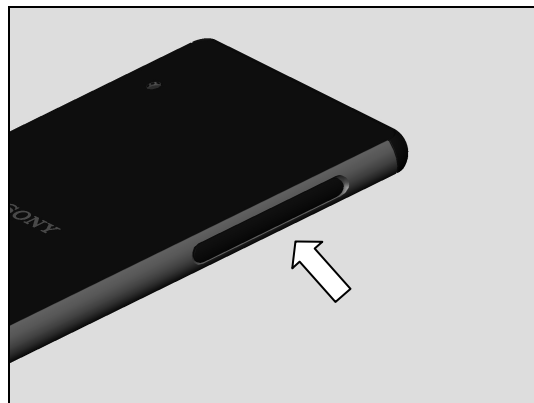
Attach a new back side of the Label MoP DS in its proper position as shown in picture.

Push the Sheet Slider MoP DS into the slot.



## Replacement: Label MoP DS (E6533)

Close the Cap SIM.



## Replacement

### 4.49 Loudspeaker and Adhesive WR Speaker

Follow the 3.1 – 3.20 Disassembly instructions!  
Prepare a new Loudspeaker and Adhesive WR Speaker.  
Follow the 5.4 – 5.23 Reassembly instructions!

**Make sure to update SW by EMMA after replacing the Loudspeakers.**

#### REMOVAL

Detach the Loudspeaker with the Front opening tool.

**Scrap! Not to be reused.**

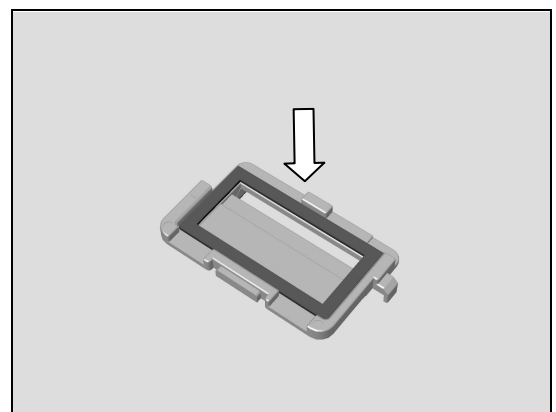
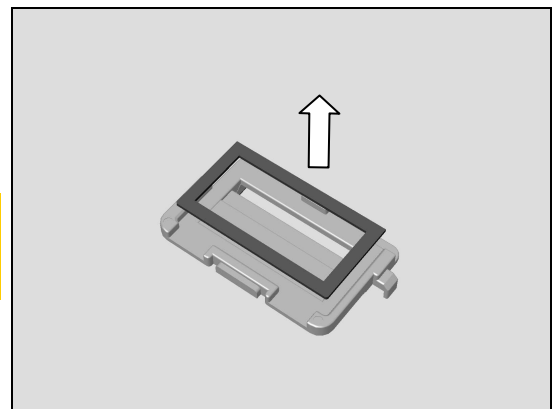
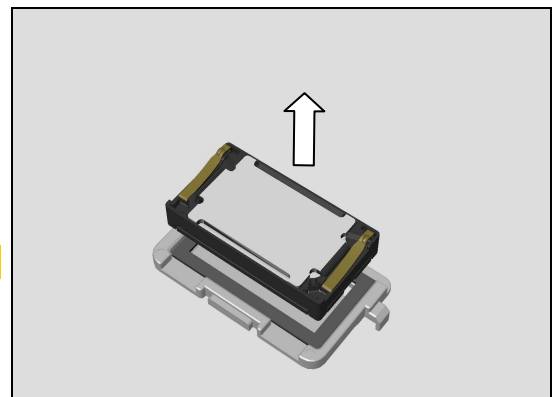
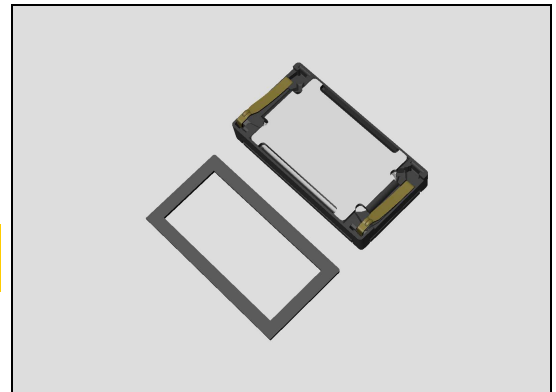
Detach the Adhesive WR Speaker with the Front opening tool.

**Scrap! Not to be reused.**

**Make sure all remaining adhesive residue have been removed!**

#### INSTALLATION

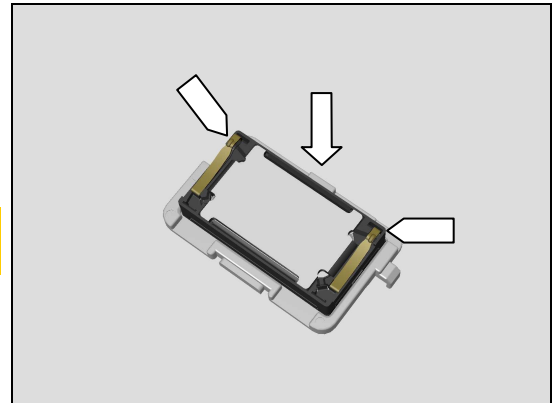
Attach a new Adhesive WR Speaker in its proper position as shown in picture.



## Replacement: Loudspeaker and Adhesive WR Speaker

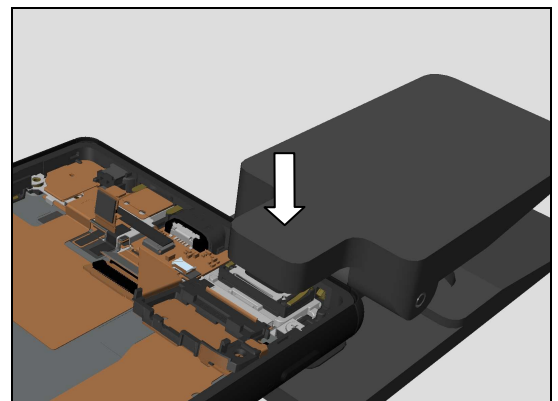
Attach a new Loudspeaker in its proper position as shown in picture.

**Note the correct orientation of the Loudspeaker contact spring to be installed as shown in picture!**



Mount the Loudspeaker and Adhesive WR Speaker into its cavity.

Then press it with Press Tool for 5 seconds.



## Replacement

### 4.50 NFC antenna

*Follow the 3.1 – 3.3 Disassembly instructions!*

Prepare a new NFC antenna.

*Follow the 5.21 – 5.23 Reassembly instructions!*

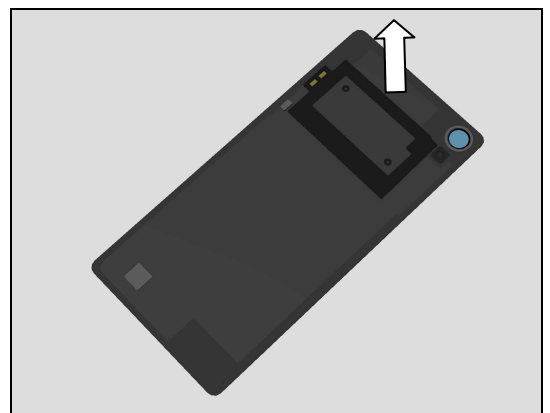
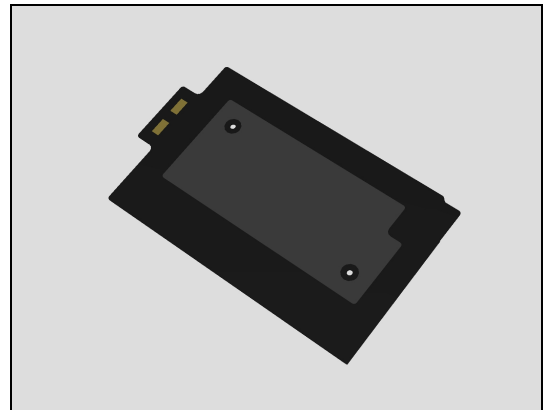
#### REMOVAL

Detach to remove the NFC antenna.

**Scrap! Not to be reused!**

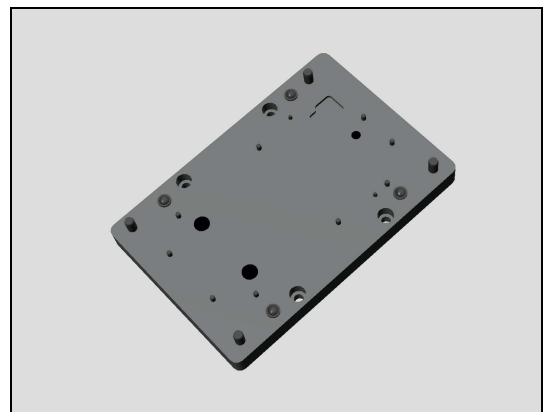
**Note! Do not damage or scratch the Panel Rear.**

**Make sure all remaining adhesive residue have been removed!**

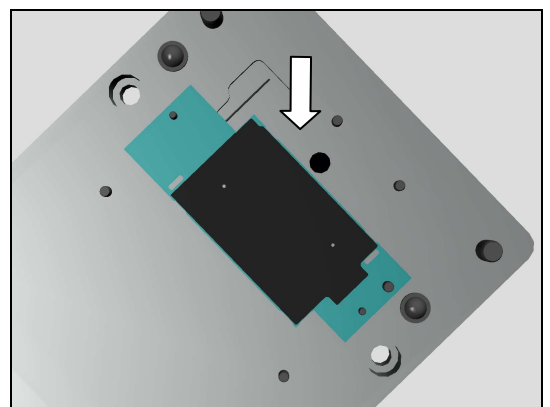


#### INSTALLATION

Prepare the Bottom Part of the Rear Panel Adhesive alignment fixture.



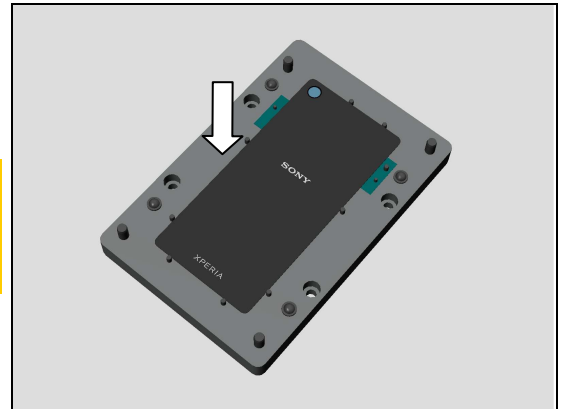
Place a new NFC antenna with its protection film onto the Rear Panel Adhesive alignment fixture (Bottom Part).



## Replacement: NFC antenna

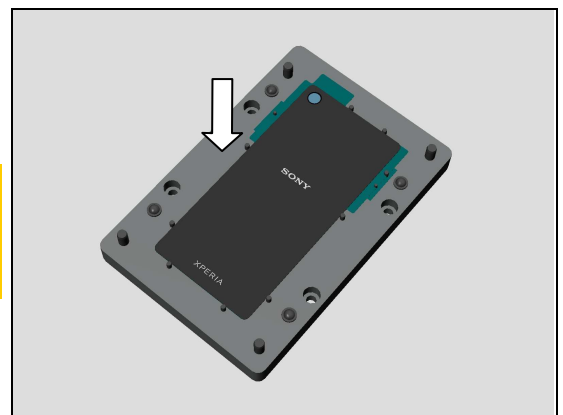
Place the old Panel Rear above the NFC antenna.

**Note! When reuse the old Panel Rear, the new NFC Antenna needs to be assembled first and its protection film needs to be removed before assembling the new Adhesive WR Panel Rear.**

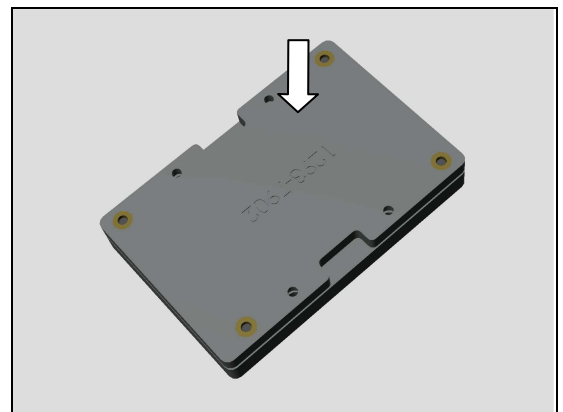


Place the New Panel Rear above the NFC antenna.

**Note! This is only for replacing the NFC Antenna and the Panel Rear together, and then a new RF Top needs to be assembled following the 4.51 installation instruction.**

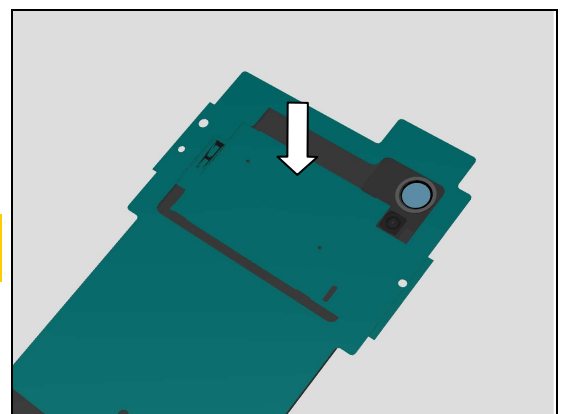


Place the Upper Part of the fixture and press by hand for 10 seconds.



Press to secure good attachment of the NFC antenna after NFC Antenna is assembled.

**This is only for replacing the NFC Antenna and the Panel Rear together!**



## Replacement

### 4.51 RF Top

*Follow the 3.1 – 3.3 Disassembly instructions!*  
*Prepare a new RF Top.*  
*Follow the 5.21 – 5.23 Reassembly instructions!*

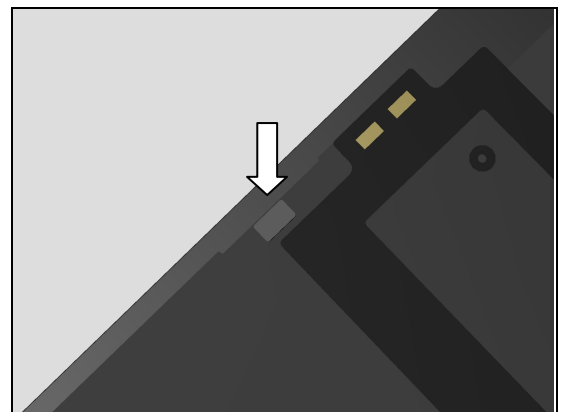
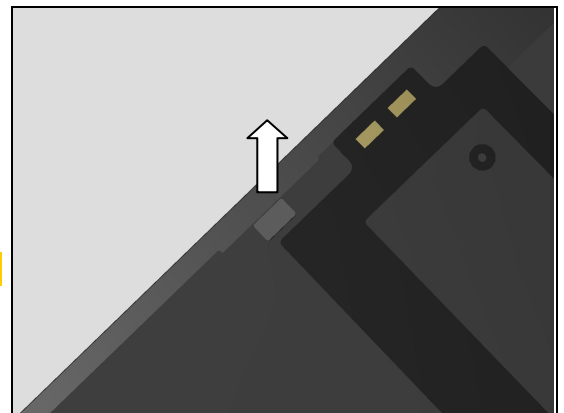
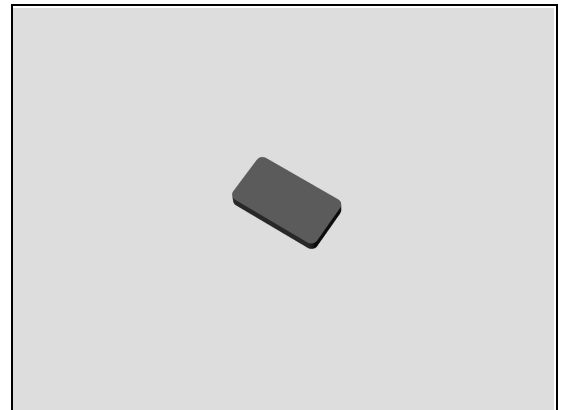
#### REMOVAL

Detach the RF Top.

**Scrap! Not to be reused!**

#### INSTALLATION

Attach a new RF Top in its proper position as shown in picture.



## Replacement

### 4.52 Screen Protector Front

Prepare a new Screen Protector Front.

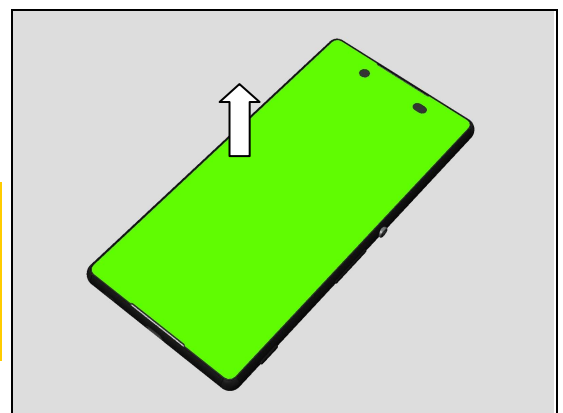
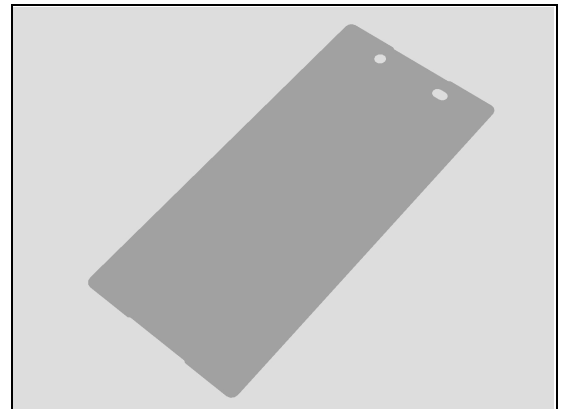
#### REMOVAL

Detach to remove the Screen Protector Front.

**Scrap! Not to be reused!**

**Make sure not to damage the cosmetic surface of the phone.**

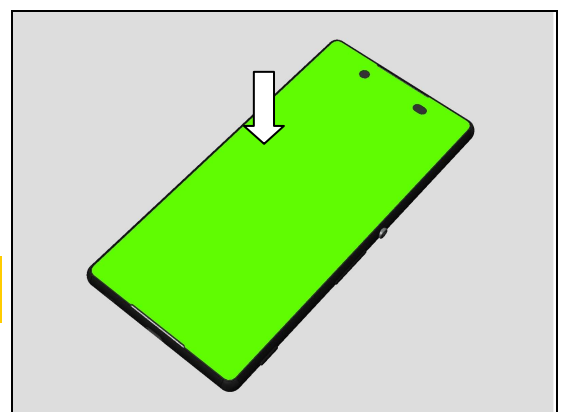
**Make sure all remaining adhesive residue have been removed!**



#### INSTALLATION

Attach a new Screen Protector Front in its proper position as shown in picture.

**Note! Follow the instruction printed on the Screen Protector Front**





## Replacement

### 4.53 Sheet Battery

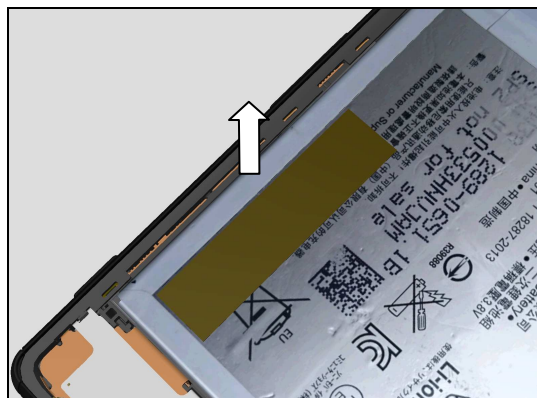
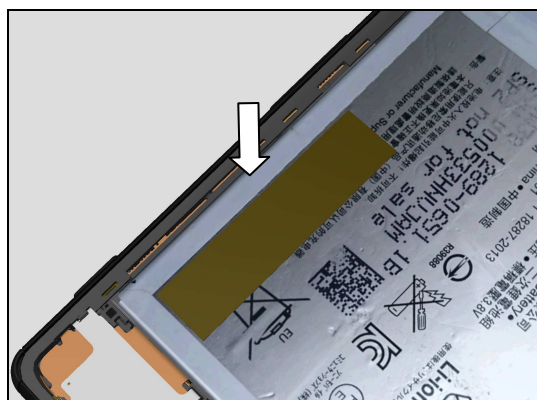
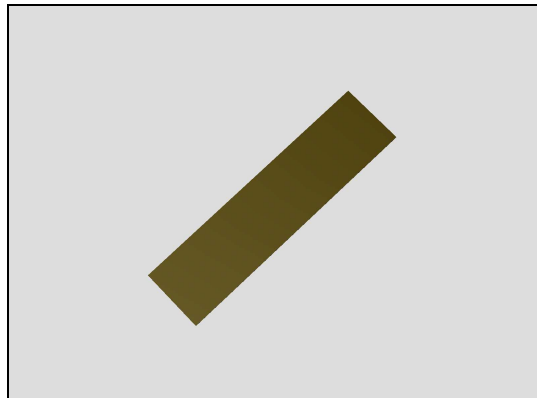
*Follow the 3.1 – 3.3 Disassembly instructions!*  
*Prepare a new Sheet Battery.*  
*Follow the 5.21– 5.23 Reassembly instructions!*

#### REMOVAL

Detach the Sheet Battery.

**Scrap! Not to be reused!**

**Note! Do not damage the Battery.**



#### INSTALLATION

Attach a new Sheet Battery in its proper position as shown in picture.

## Replacement

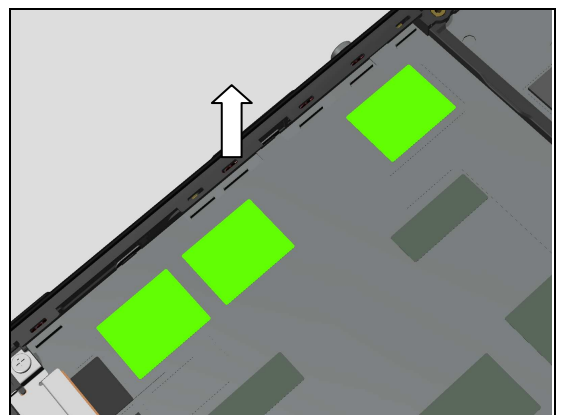
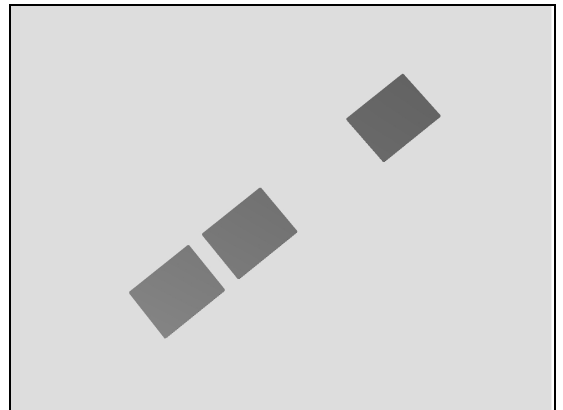
### 4.54 Sheet Conductive Plate A

*Follow the 3.1 – 3.22 Disassembly instructions!*  
*Prepare a new Sheet Conductive Plate A.*  
*Follow the 5.2 – 5.23 Reassembly instructions!*

#### REMOVAL

Detach the Sheet Conductive Plate A by using a pair of Plastic Tweezers.

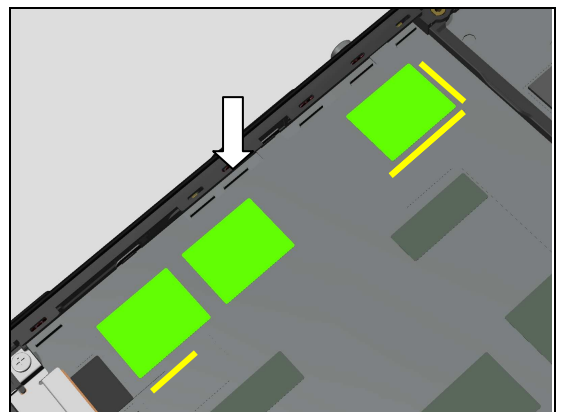
***The Sheet Conductive Plate A can be only reused once!***  
***Make sure all remaining adhesive residue have been removed!***



#### INSTALLATION

Attach a new Sheet Conductive Plate A in its proper position as shown in picture.

***Using its protection film shape and guiding lines on the metal plate to position!***



## Replacement

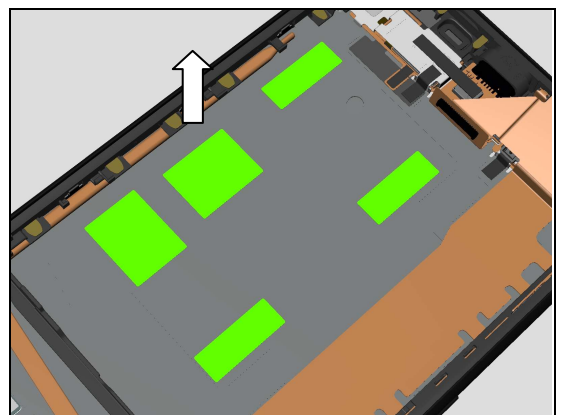
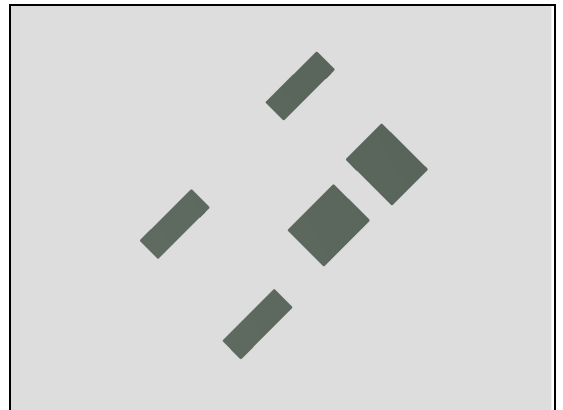
### 4.55 Sheet Conductive Plate B

*Follow the 3.1 – 3.21 Disassembly instructions!*  
*Prepare a new Sheet Conductive Plate B.*  
*Follow the 5.3 – 5.23 Reassembly instructions!*

#### REMOVAL

Detach the Sheet Conductive Plate B by using a pair of Plastic Tweezers.

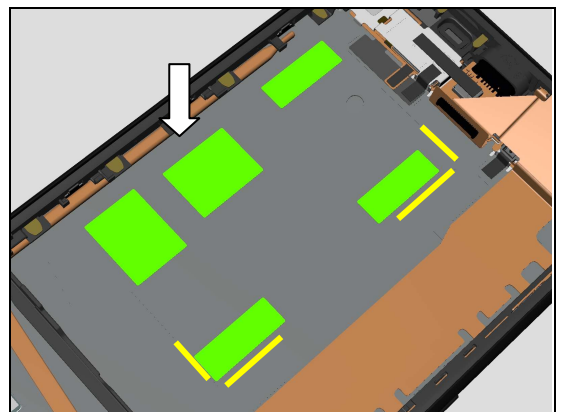
***The Sheet Conductive Plate B can be only reused once!***  
***Make sure all remaining adhesive residue have been removed!***



#### INSTALLATION

Attach a new Sheet Conductive Plate B in its proper position as shown in picture.

***Using its protection film shape and guiding lines on the metal plate to position!***



## Replacement

### 4.56 Sheet Guide MoP (E6553)

*Follow the 3.1 – 3.8 Disassembly instructions!*  
*Prepare a new Sheet Guide MoP.*  
*Follow the 5.16 – 5.23 Reassembly instructions!*

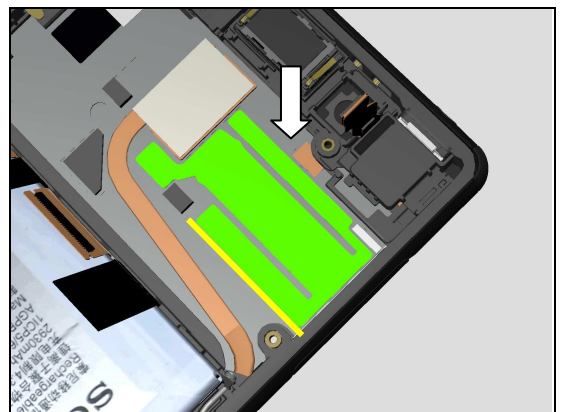
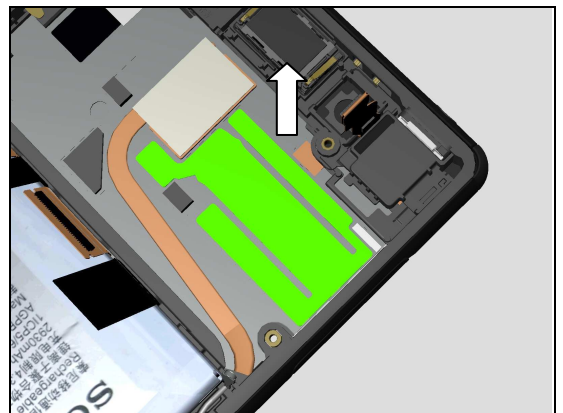
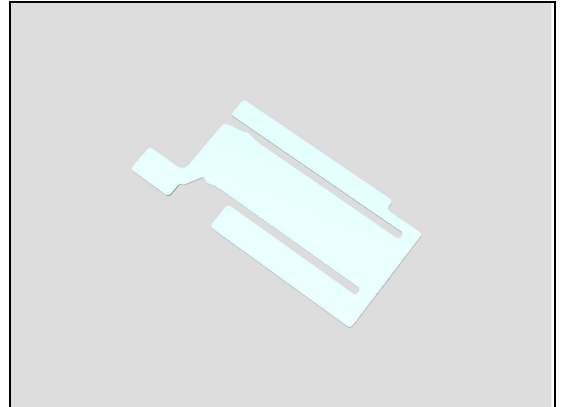
#### REMOVAL

Detach the Sheet Guide MoP.

**Scrap! Not to be used.**

#### INSTALLATION

Attach a new Sheet Guide MoP in alignment with the guiding lines on the metal plate.



## Replacement

### 4.57 Sheet Guide MoP DS (E6533)

*Follow the 3.1 – 3.8 Disassembly instructions!*  
*Prepare a new Sheet Guide MoP DS.*  
*Follow the 5.16 – 5.23 Reassembly instructions!*

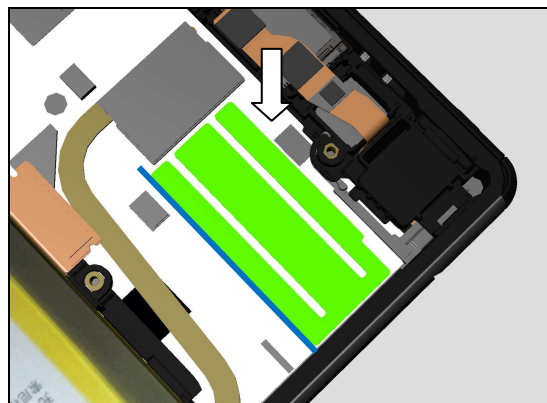
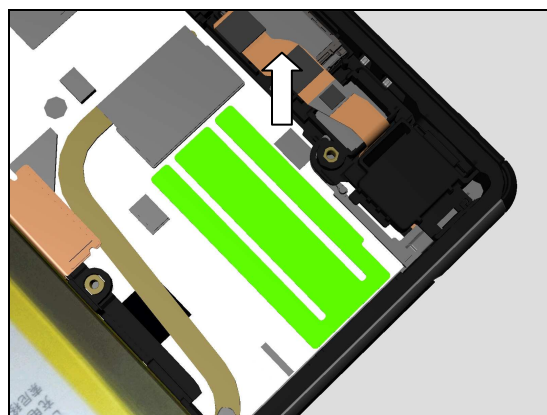
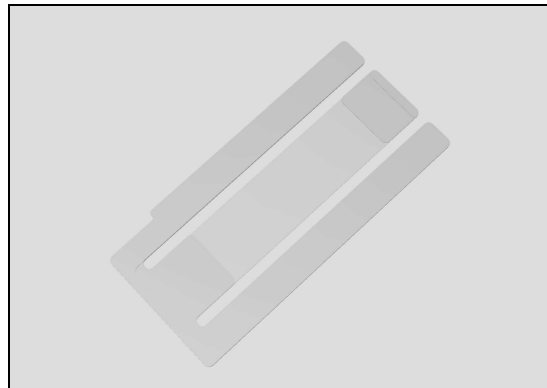
#### REMOVAL

Detach the Sheet Guide MoP DS.

**Scrap! Not to be reused!**

#### INSTALLATION

Attach a new Sheet Guide MoP DS in alignment with the guiding lines on the metal plate.



## Replacement

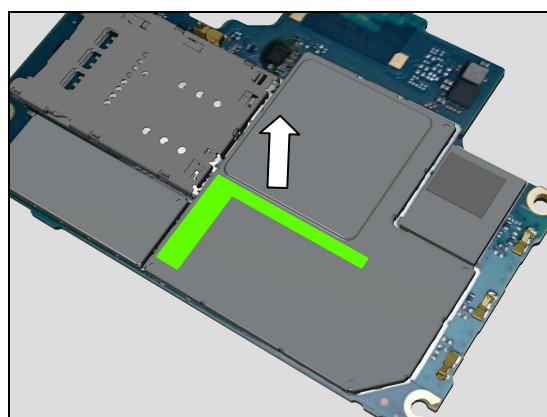
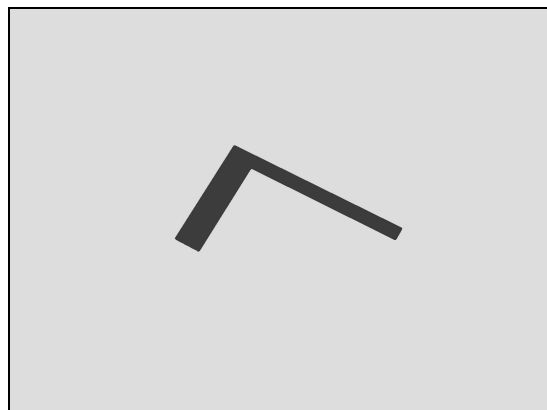
### 4.58 Sheet Lid BB

*Follow the 3.1 – 3.8 Disassembly instructions!*  
*Prepare a new Sheet Lid BB.*  
*Follow the 5.16 – 5.23 Reassembly instructions!*

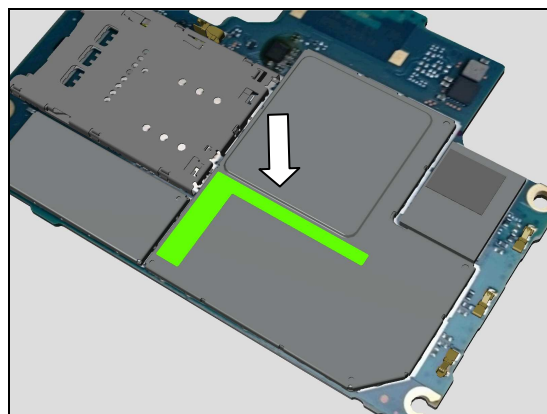
#### REMOVAL

Detach the Sheet Lid BB.

**Scrap! Not to be reused!**



Attach a new Sheet Lid BB in its proper position as shown in picture.



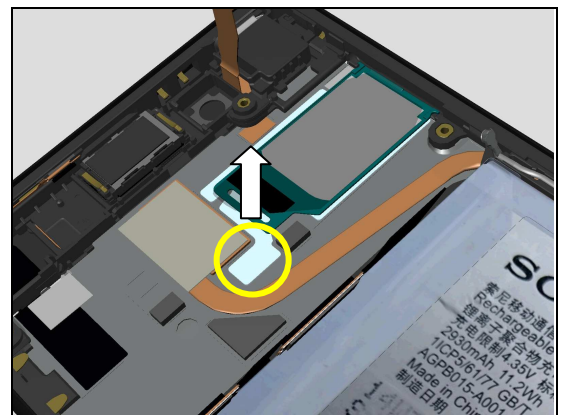
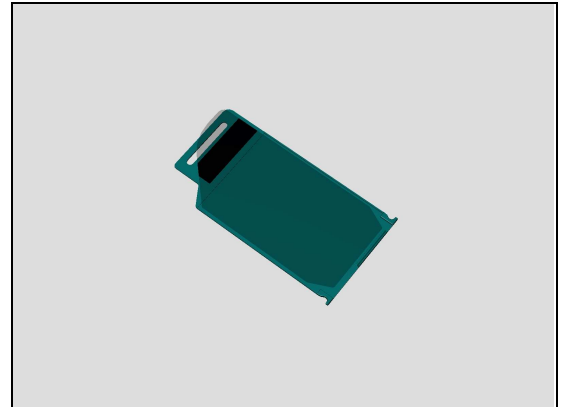
## Replacement

### 4.59 Sheet Slider MoP (E6553)

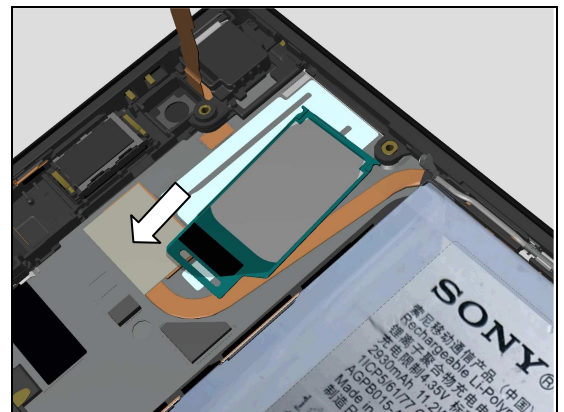
*Follow the 3.1 – 3.8 Disassembly instructions!*  
*Prepare a new Sheet Slider MoP.*  
*Follow the 5.16 – 5.23 Reassembly instructions!*

#### REMOVAL

Detach this part of the Sheet Guide MoP as shown in picture.

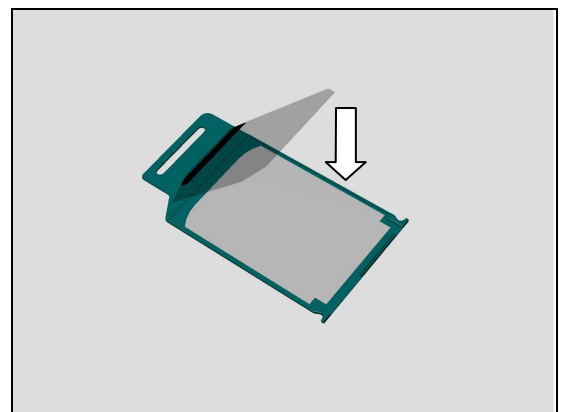


Thread the Sheet Slider MoP out and remove it as shown in picture.



#### INSTALLATION

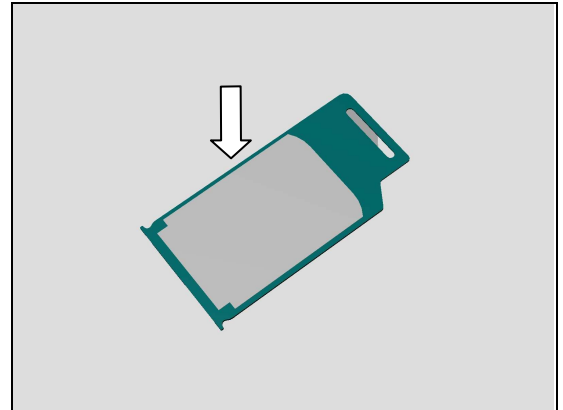
Prepare a new Sheet Slider MoP.  
 Follow 4.47 to mount a new front side of Label MoP.



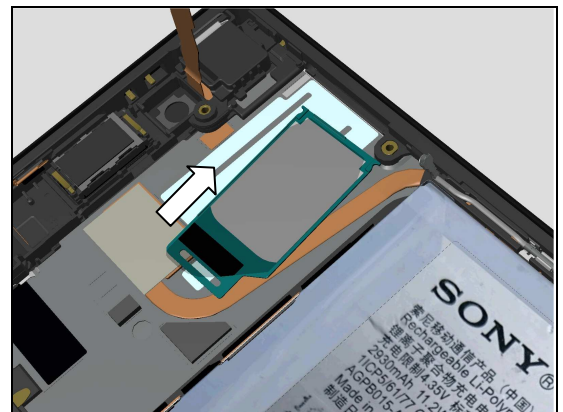


## Replacement: Sheet Slider MoP (E6553)

Follow 4.47 to mount a new back side of Label MoP.

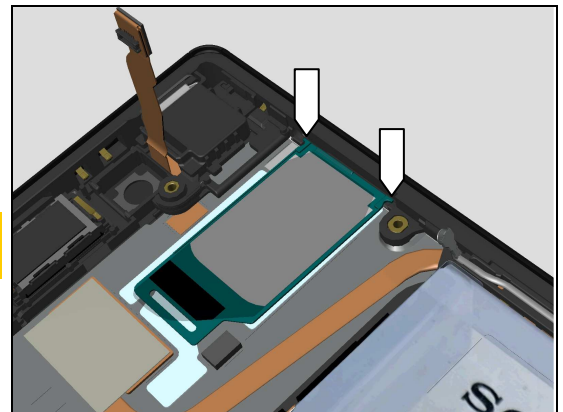


Thread the new Sheet Slider MoP to mount it as shown in picture.



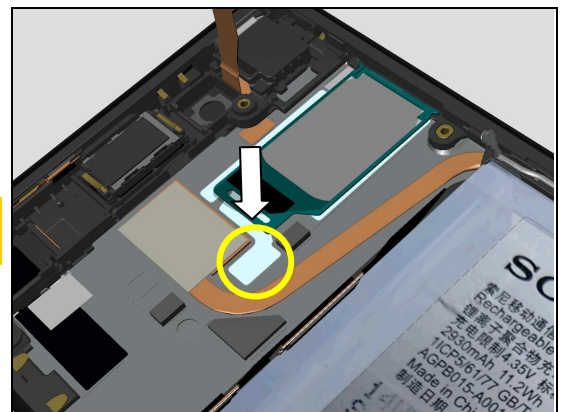
Secure the correct position of the Sheet Slider MoP as shown in picture.

**Make sure the two projections of the Sheet Slider MoP are out of the two blocking ribs on the frame.**



Press to attach this part of Sheet Guide MoP.

**Note! Follow 4.56 to replace a new Sheet Guide MoP in case the stickiness is lost.**





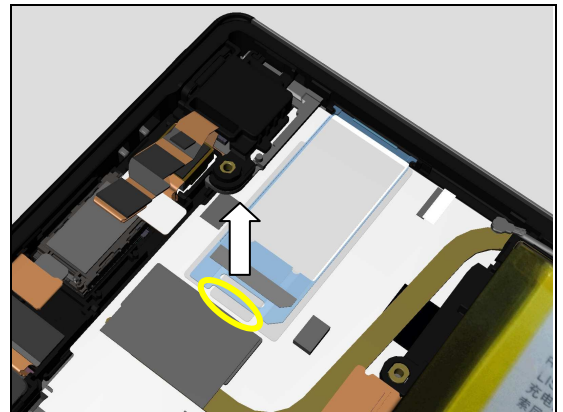
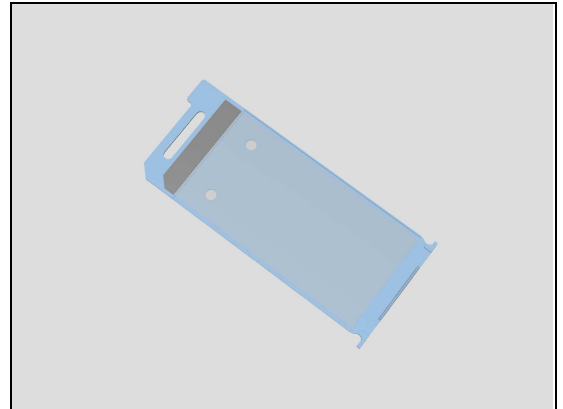
## Replacement

### 4.60 Sheet Slider MoP DS (E6533)

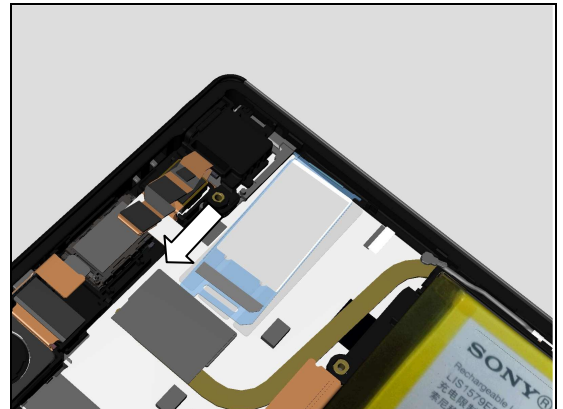
*Follow the 3.1 – 3.8 Disassembly instructions!*  
*Prepare a new Sheet Slider MoP DS.*  
*Follow the 5.16 – 5.23 Reassembly instructions!*

#### REMOVAL

Detach this part of the Sheet Guide MoP DS as shown in picture.

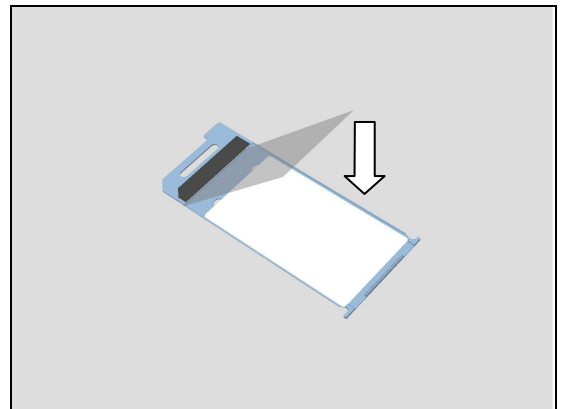


Thread the Sheet Slider MoP DS out and remove it as shown in picture.



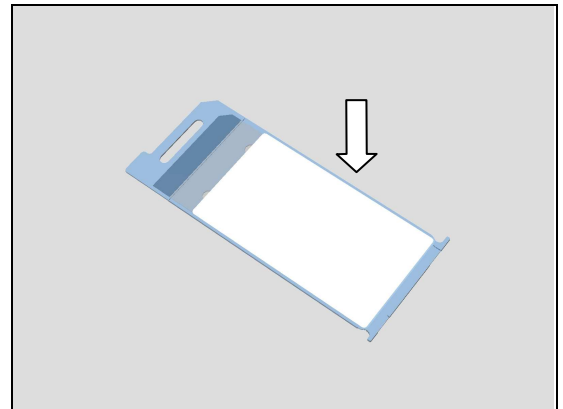
#### INSTALLATION

Prepare a new Sheet Slider MoP DS.  
 Follow 4.48 to mount the front side of Label MoP DS.

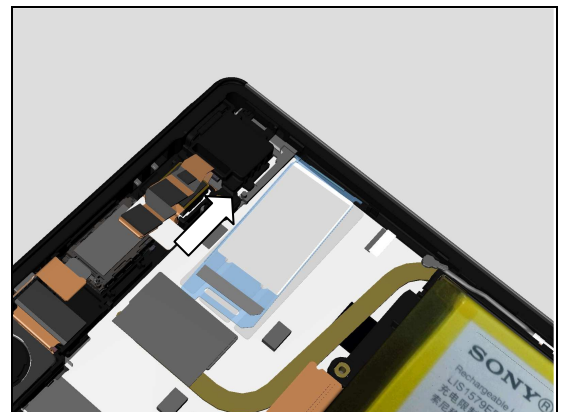


## Replacement: Sheet Slider MoP DS (E6533)

Follow 4.48 to mount the back side of Label MoP DS.

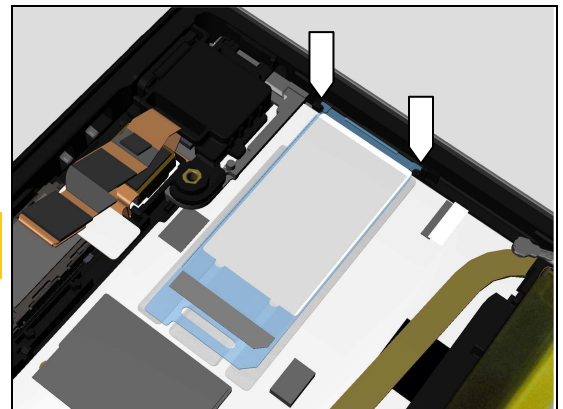


Thread the new Sheet Slider MoP DS to mount it as shown in picture.



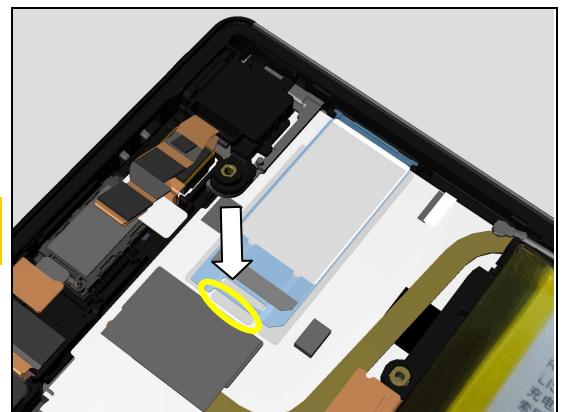
Secure the correct position of the Sheet Slider MoP DS as shown in picture.

**Make sure the two projections of the Sheet Slider MoP DS are out of the two blocking ribs on the frame.**



Press to attach this part of Sheet Guide MoP DS.

**Note! Follow 4.57 to replace a new Sheet Guide MoP DS in case the stickiness is lost.**



## Replacement

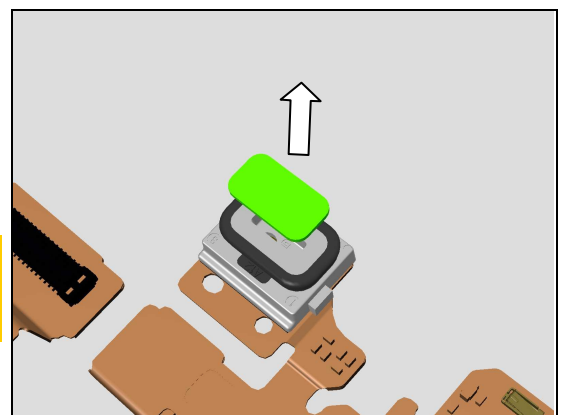
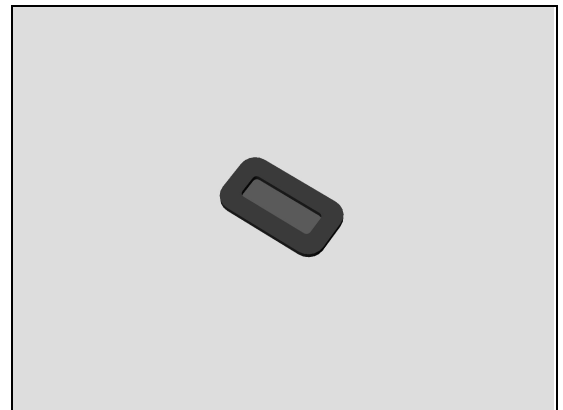
### 4.61 Sheet WR Mic 1st

*Follow the 3.1 – 3.21 Disassembly instructions!*  
*Prepare a new Sheet WR Mic 1st.*  
*Follow the 5.3 – 5.23 Reassembly instructions!*

#### REMOVAL

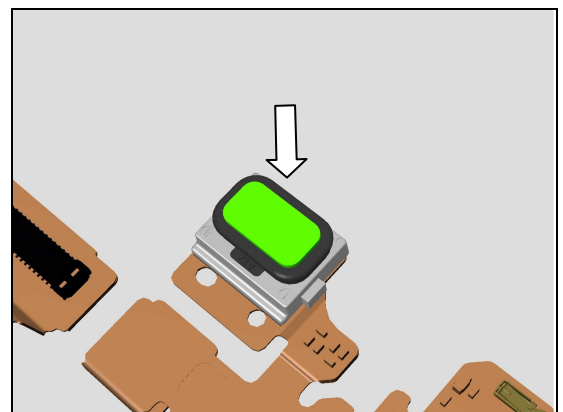
Detach the Sheet WR Mic 1st by using a pair of Plastic Tweezers.

**Scrap! Not to be reused!**  
**Do not damage the Relay\_L Flex module and the rubber of Cap Mic 1st Sub Assy!**

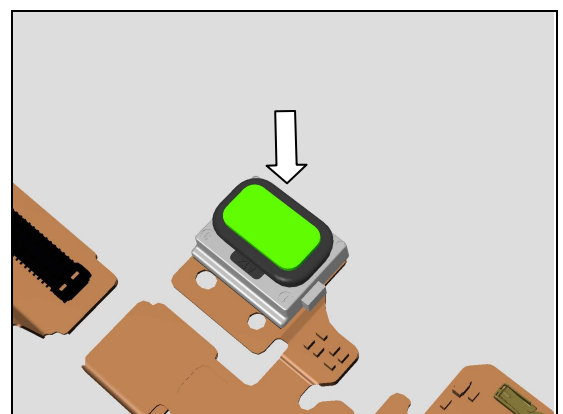


#### INSTALLATION

Attach a new Sheet WR Mic 1st in its proper position as shown in picture.



Press hard by fingers for 10 seconds.



## Replacement

### 4.62 Shield Camera

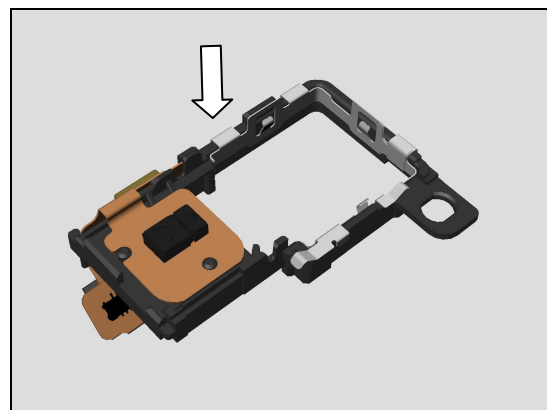
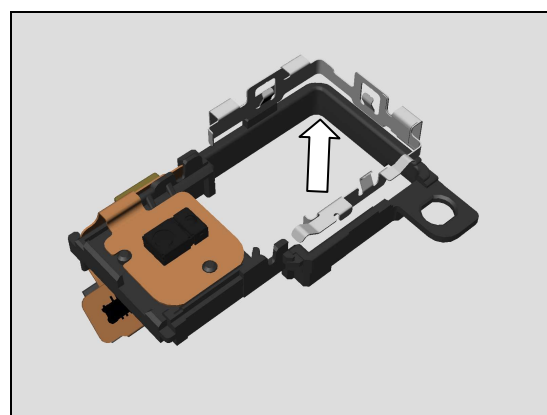
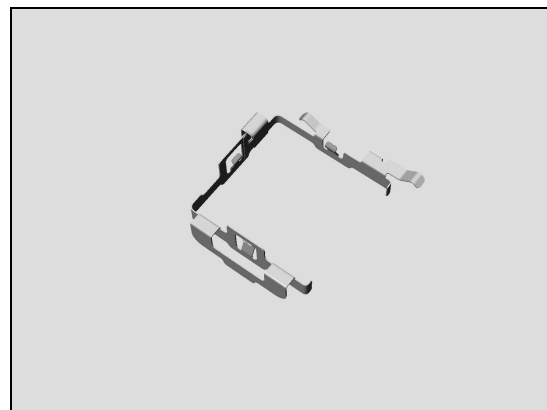
*Follow the 3.1 – 3.9 Disassembly instructions!*  
*Prepare a new Shield Camera C.*  
*Follow the 5.15 – 5.23 Reassembly instructions!*

#### REMOVAL

Unsnap the Shield Camera.

#### INSTALLATION

Mount a new Shield Camera in its proper position.



## Replacement

### 4.63 Sub PBA

*Follow the 3.1 – 3.18 Disassembly instructions!*

*Prepare a new Sub PBA.*

*Follow the 5.6 – 5.23 Reassembly instructions!*

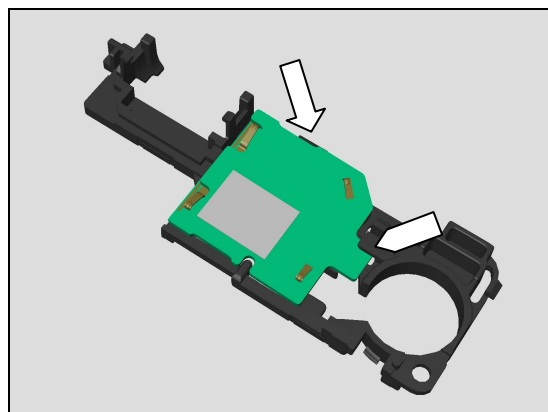
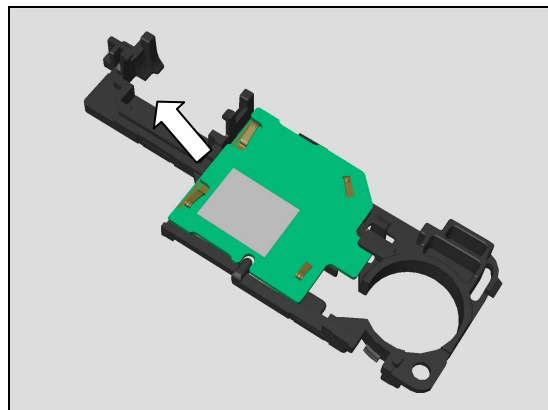
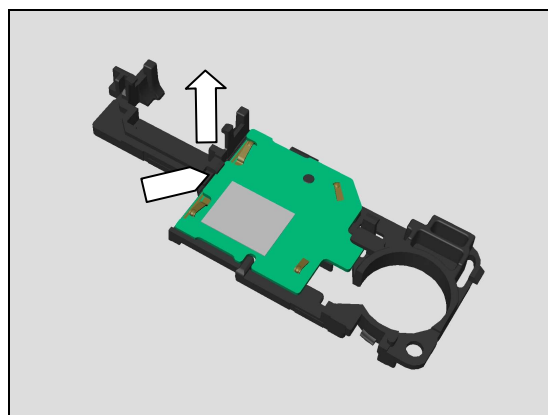
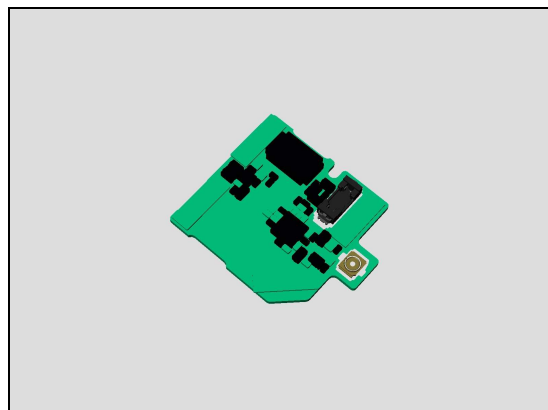
#### REMOVAL

Unsnap the Sub PBA.

Remove it.

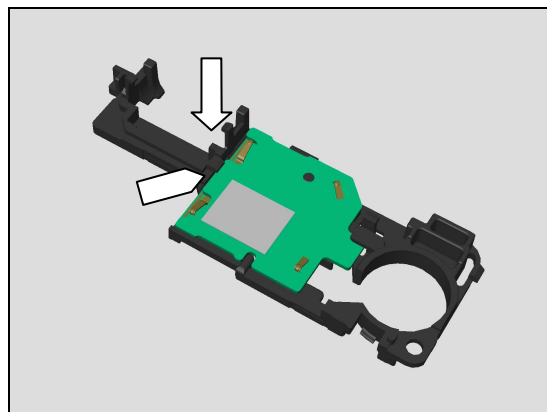
#### INSTALLATION

Mount the Sub PBA.



## Replacement: Sub PBA

Press to snap it.



## Replacement

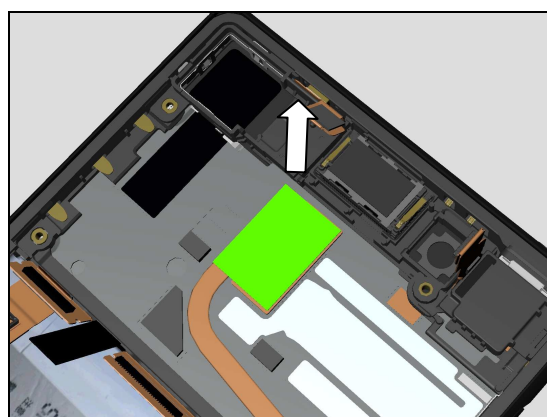
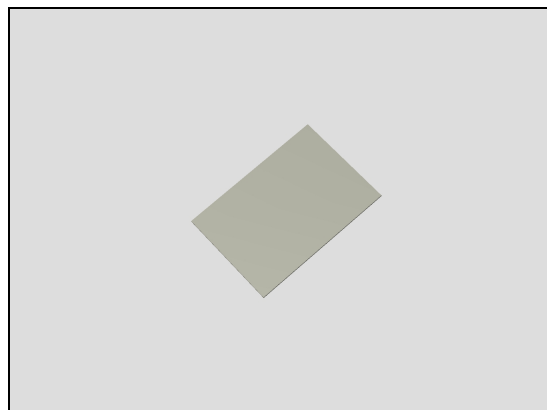
### 4.64 Thermal MSM

*Follow the 3.1 – 3.8 Disassembly instructions!*  
*Prepare a new Thermal MSM.*  
*Follow the 5.16 – 5.23 Reassembly instructions!*

#### REMOVAL

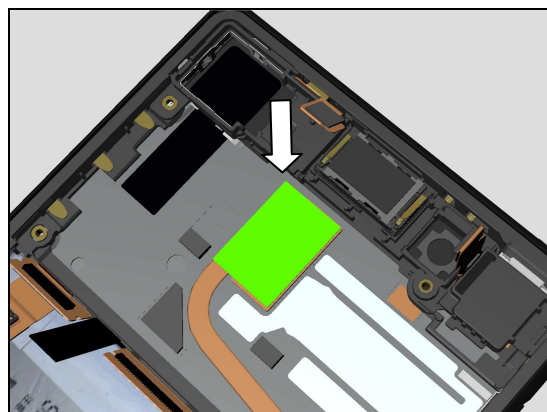
Detach the Thermal MSM.

**Scrap! Not to be reused!**



#### INSTALLATION

Attach a new Thermal MSM in its proper position.



## Replacement

### 4.65 Top Speaker, Adhesive WR Receiver and Cushion Aco

*Follow the 3.1 – 3.8 Disassembly instructions!*

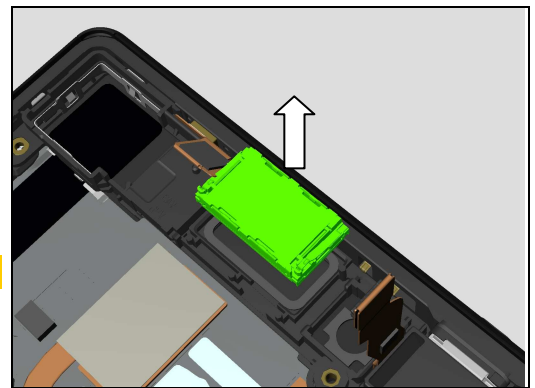
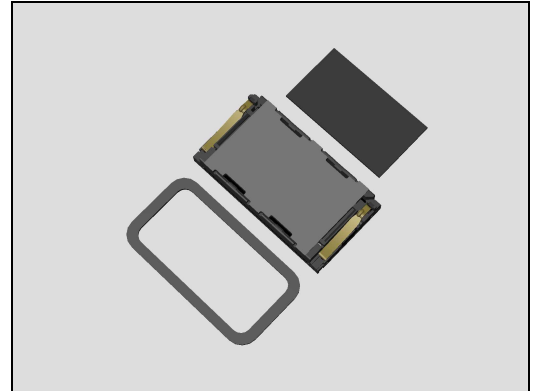
*Prepare a new Top Speaker, Adhesive WR Receiver and Cushion Aco.*

*Follow the 5.16 – 5.23 Reassembly instructions!*

#### REMOVAL

Detach to remove the Top Speaker and Cushion Aco by using the Front Opening Tool.

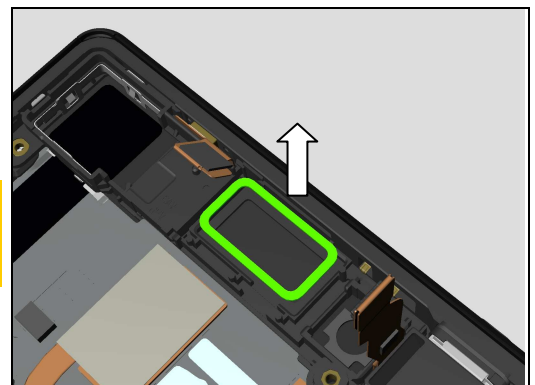
**Scrap! Not to be reused!**



Detach to remove the Adhesive WR Receiver by using the Front Opening Tool.

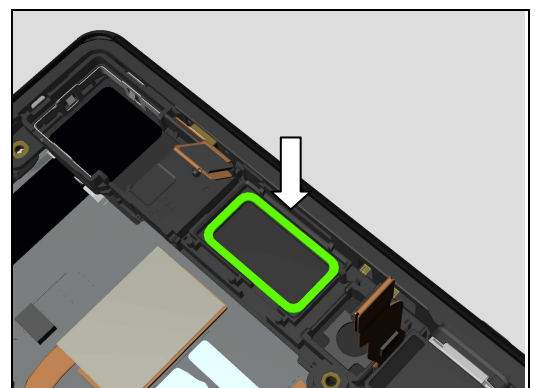
**Scrap! Not to be reused!**

**Make sure all remaining adhesive residue have been removed!**



#### INSTALLATION

Attach a new Adhesive WR Receiver in its proper position as shown in picture.

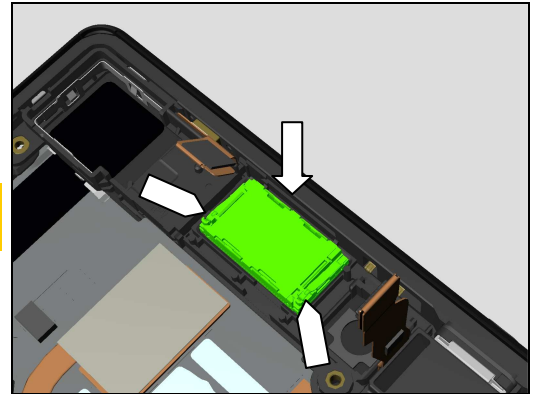




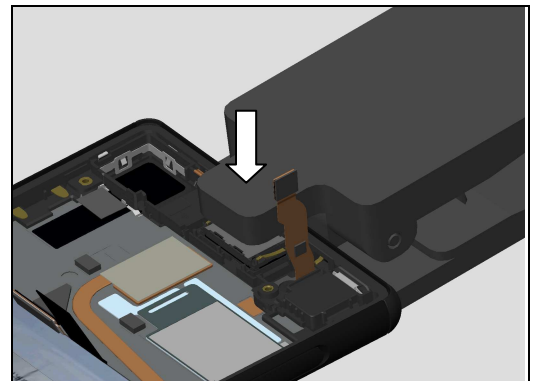
## Replacement: Top Speaker, Adhesive WR Receiver and Cushion Aco

Mount a new Top Speaker in its cavity.

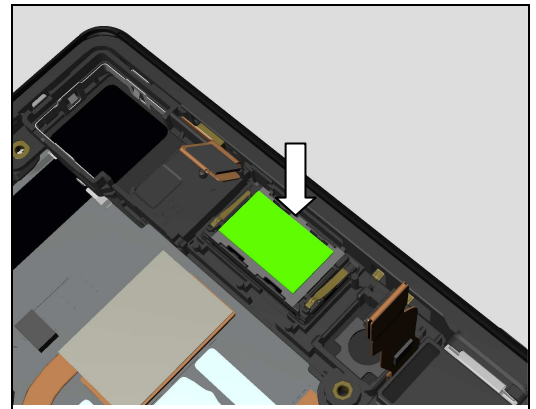
**Note the correct orientation of the Top Speaker contact spring to be installed as shown in picture!**



Press it by using the Generic Press Clamp for 5 seconds.



Attach a new Cushion Aco in its proper position as shown in picture.



## Replacement

### 4.66 Water indicator

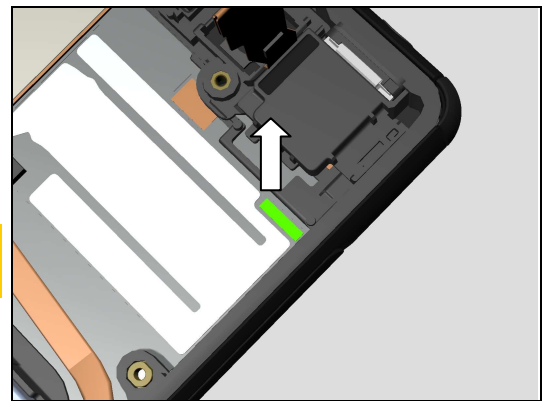
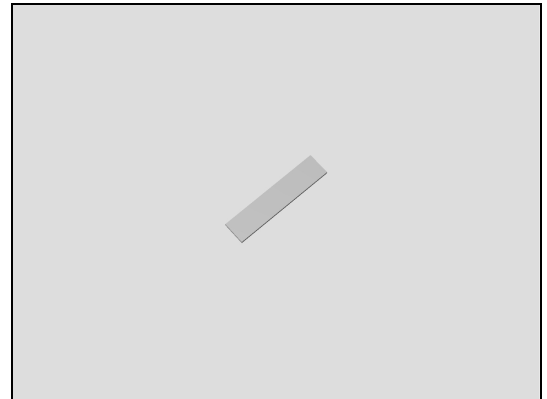
*Follow the 3.1 – 3.8 Disassembly instructions!*  
*Prepare a new Water indicator.*  
*Follow the 5.16 – 5.23 Reassembly instructions!*

#### REMOVAL

Detach the Water indicator.

**Scrap! Not to be reused!**

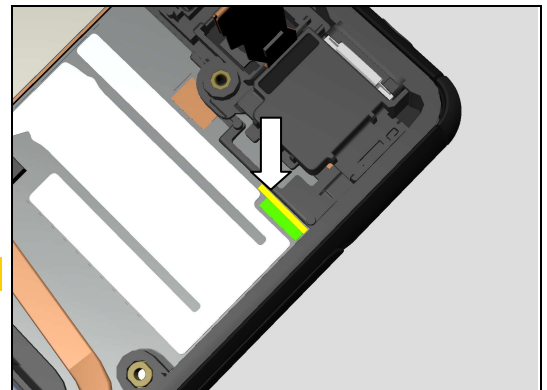
**This is for E6553!**



#### INSTALLATION

Attach a new Water indicator in alignment with the guiding lines on the metal plate.

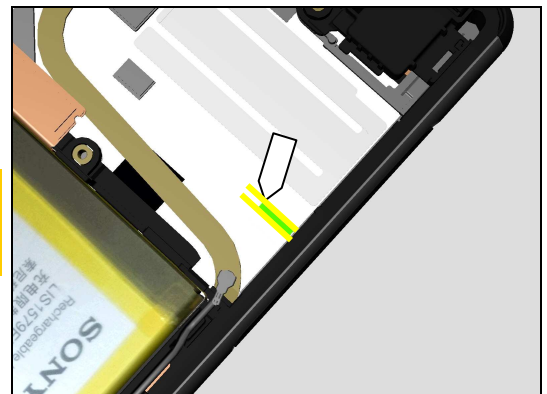
**This for E6533!**



Do the same for E6533 Water indicator.

**Scrap! Not to be reused!**

**Note! E6533 water indicator has different position as shown in picture, follow alignment lines when assembly.**



## Replacement

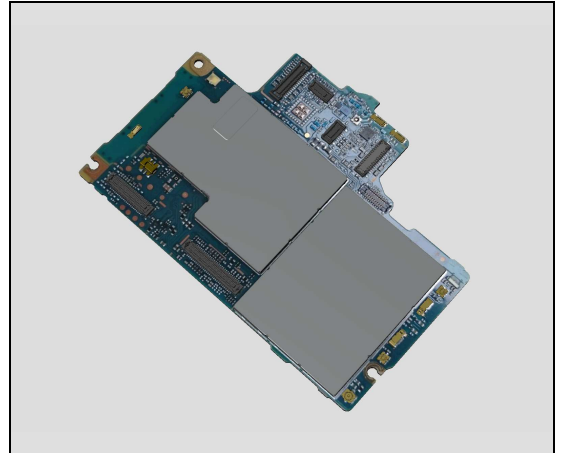
### 4.67 Board Swap – Replacement (E6553)

*Follow the 3.1 – 3.8 Disassembly instructions!*

Replace the Swap Board.

*Follow the 5.16 – 5.23 Reassembly instructions!*

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



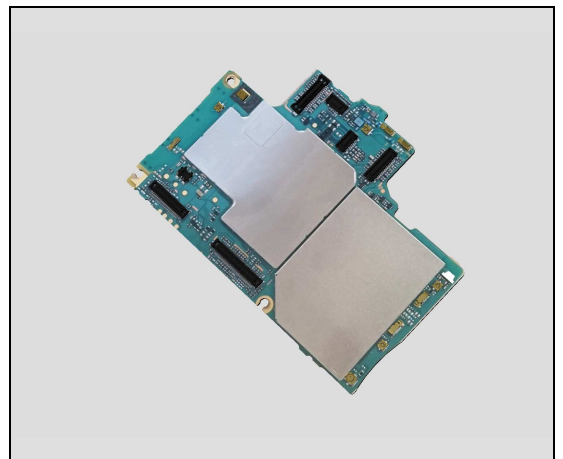
### 4.68 Board Swap – Replacement (E6533)

*Follow the 3.1 – 3.8 Disassembly instructions!*

Replace the Swap Board.

*Follow the 5.16 – 5.23 Reassembly instructions!*

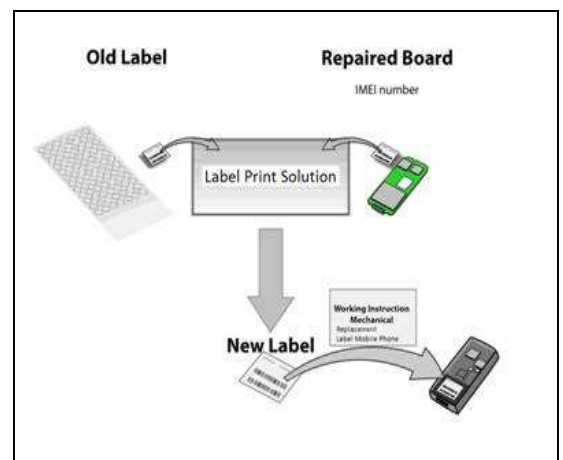
**Proximity, Noise Cancelling, Gyroscope and Accelerometer Calibration and Color ID Flashing must be performed for all replaced units; 1289-2983 Trouble Shooting Application – mechanical.**



### 4.69 Board Swap – Change Label

#### CHANGE LABEL

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

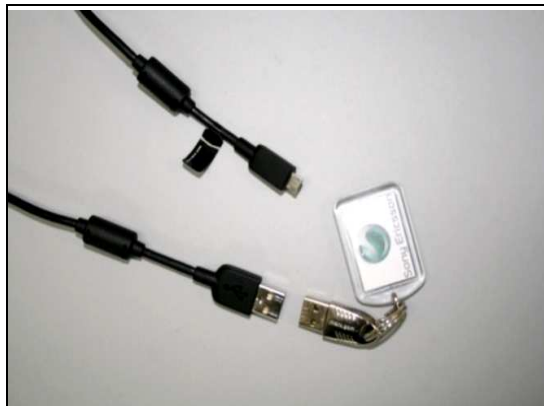


## Replacement

### 4.70 Board Swap – Customize of Software

#### CUSTOMIZE OF SOFTWARE

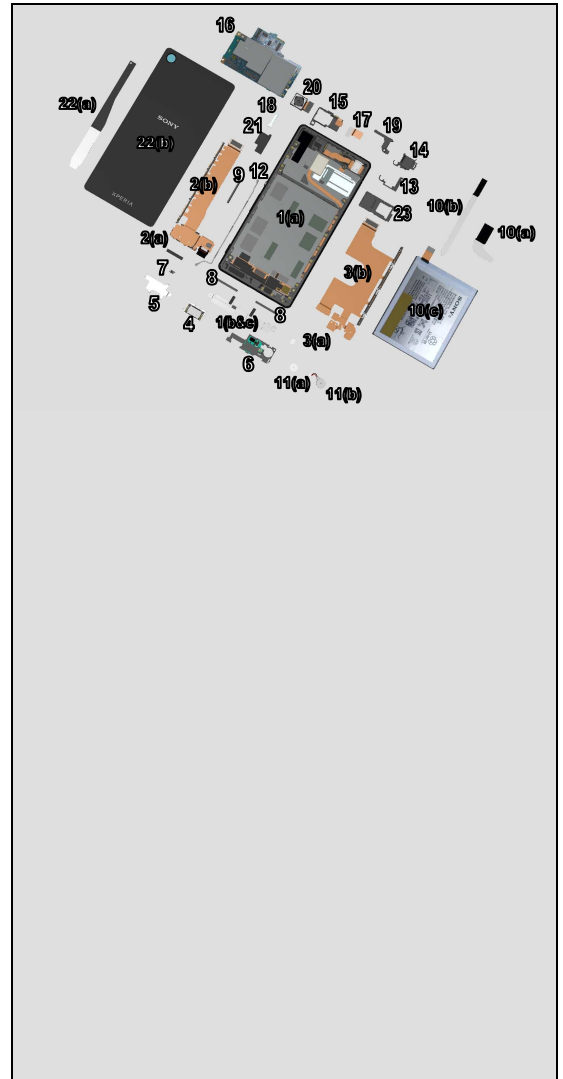
Follow the instructions in the Generic Repair Manual –  
*Build swap for customization of the software.*



## 5 Reassembly

The E6553/E6533 reassembly is done in the following order:

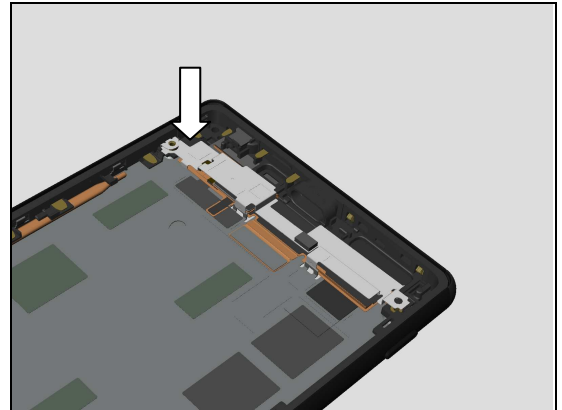
1. Display Frame Assy (a) and Shield FPC LCD Sub Assy (b) and Sheet Conductive Relay U (c)
2. Sheet Conductive Relay U (a) and Relay\_U Flex module (b)
3. Adhesive Shield FPC LCD (a) and Relay\_L Flex module (b)
4. Loudspeaker & Cap Speaker Sub Assy
5. Plate speaker
6. Holder Vibrator & Sub PBA
7. Spacer Battery
8. Cushion Battery Bottom
9. Cushion Battery Side
10. Adhesive Battery A (a) Adhesive Battery B (a) and Battery (b)
11. Adhesive Vibrator (a) and Vibrator (b)
12. RF Cable
13. Antenna WLAN
14. Holder Jack
15. Top Flex module
16. Main PBA
17. Chat Camera
18. Light Guide 3LED
19. Antenna Diversity
20. Main Camera
21. Sheet Shade 3LED
22. Adhesive Battery C (a) and Panel Rear (b)
23. Tray Combo(E6553)/Tray Dual Nano SIM DS(E6533)



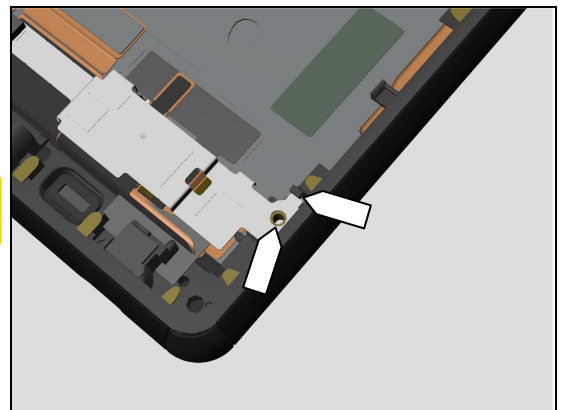
## Reassembly

### 5.1 Display Frame Assy (a) and Shield FPC LCD Sub Assy (b) and Sheet Conductive Relay U (c)

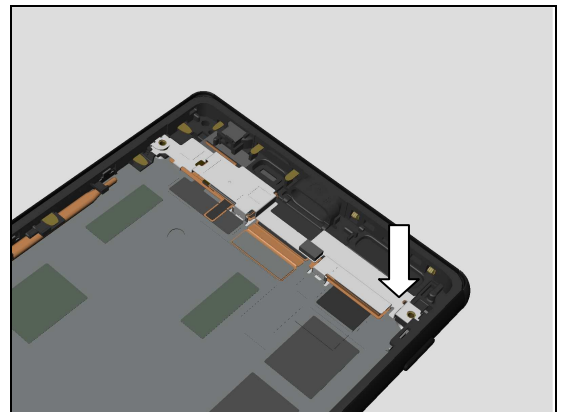
Mount the Shield FPC LCD Sub Assy from this side as shown in picture.



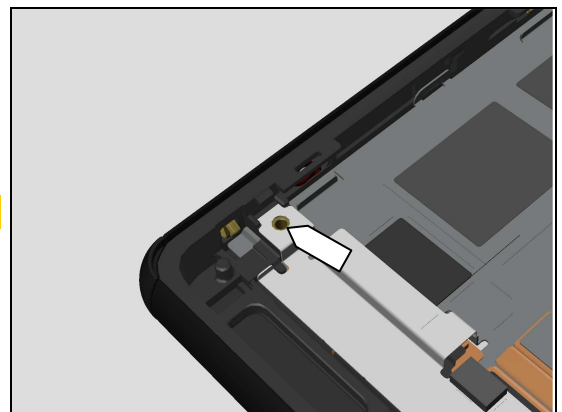
**Make sure the Shield FPC LCD Sub Assy is hooked and the screw hole is aligned.**



Then mount the Shield FPC LCD Sub Assy of this side as shown in picture.

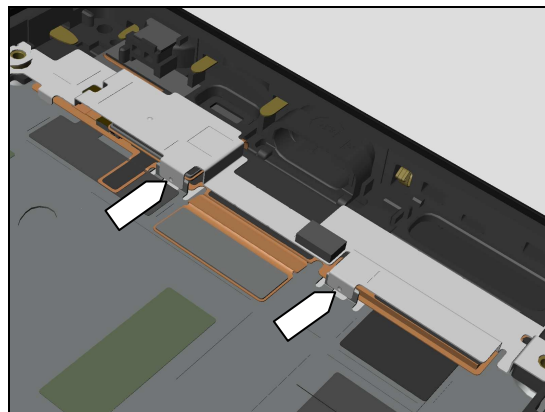


**Make sure the screw hole is aligned.**

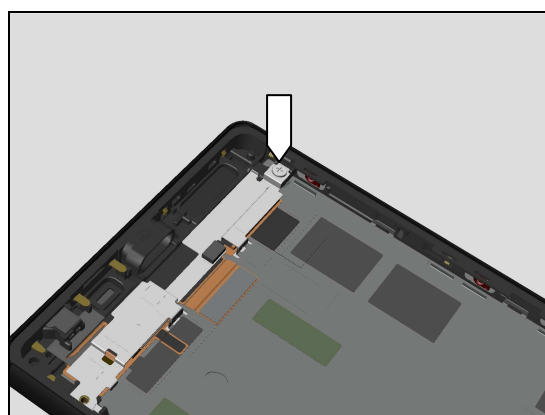


## Reassembly

**Make sure the Shield FPC LCD Sub Assy is out of the two metal ribs.**



Apply 13Ncm torque when tightening the Conductive Screw M1.4x2.0 with Bits JCIS No.0.

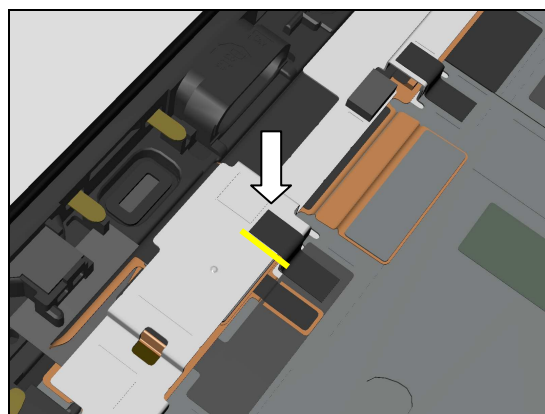


Attach a NEW Sheet Conductive Relay U in its proper position as shown in picture.



Attach a NEW Sheet Conductive Relay U in alignment with the guiding line as shown in picture.

**This is only for E6553!**



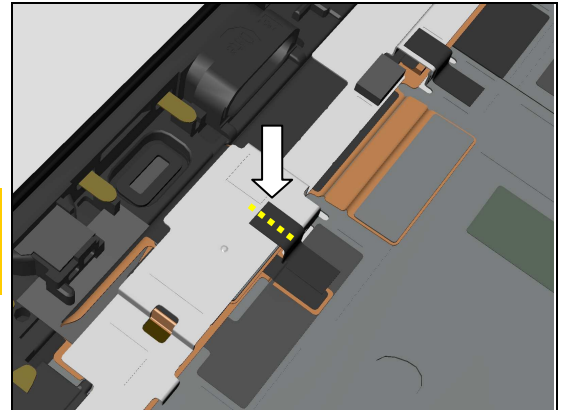


## Reassembly

Attach a NEW Sheet Conductive Relay U in its proper position as shown in picture.

***This is only for E6533!***

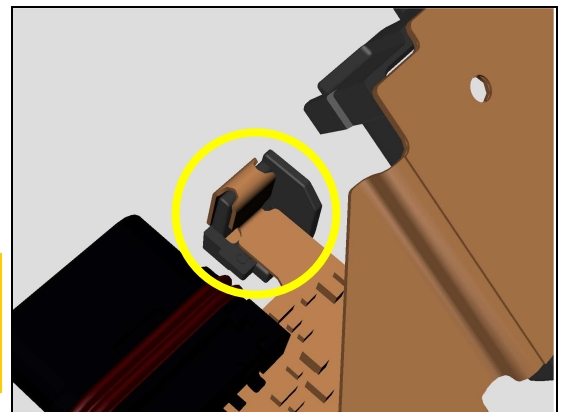
***Make sure the guiding line is in the center of the Sheet Conductive Relay U.***



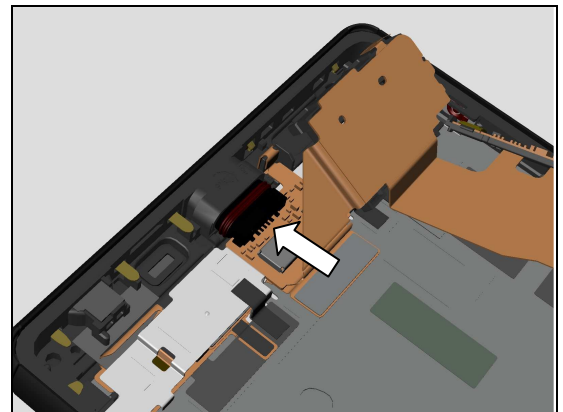
### 5.2 Sheet Conductive Relay U (a) and Relay\_U Flex module (b)

***Note! The Relay\_U Flex module can be reused if not damaged or folded.***

***Make sure the FPC is attached properly on its holder before installation as shown in picture.***

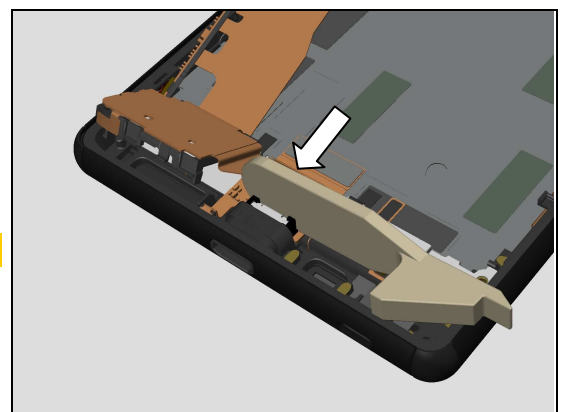


Insert the USB connector into its hole as shown in picture.



Press the USB connector to the bottom with the Front Opening Tool as shown in picture.

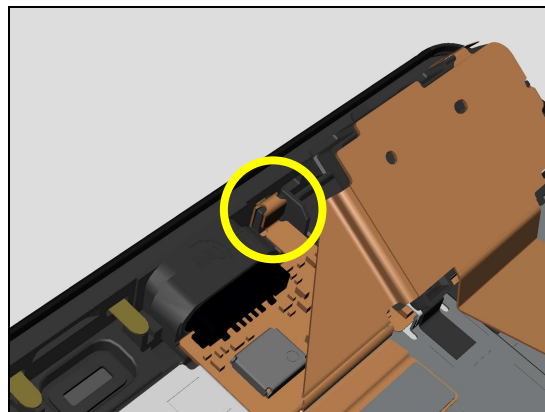
***Note! Only press plastic part of USB connector.***





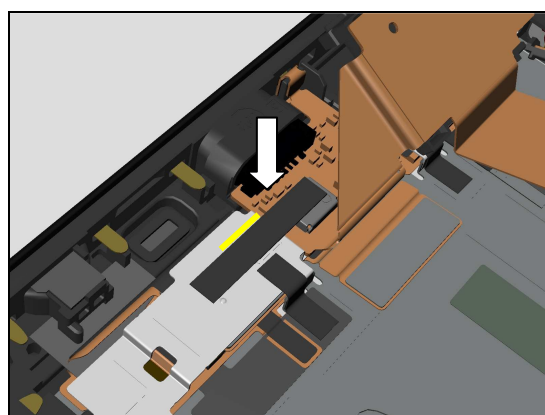
## Reassembly

**Make sure the FPC and its holder are properly installed as shown in picture.**



Attach a NEW Sheet Conductive Relay U in alignment with the guiding line as shown in picture.

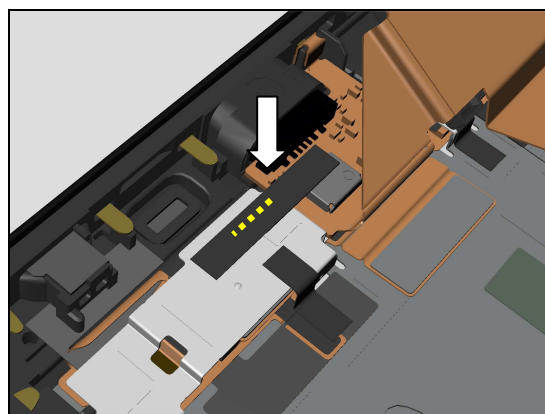
***This only for E6553!***



Attach a NEW Sheet Conductive Relay U in its proper position as shown in picture.

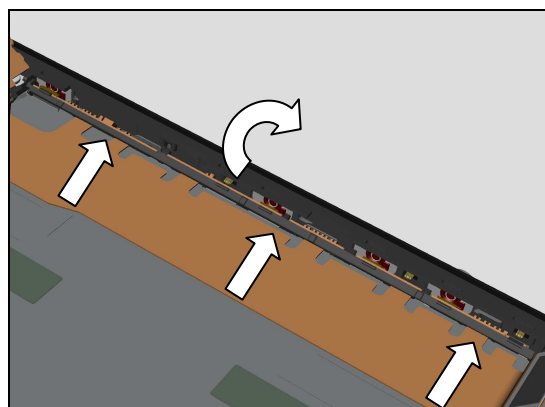
***This is only for E6533!***

***Notice the guiding line position as shown in picture.***



Insert the bottom side of side key holder of the Relay\_U Flex module into its cavity.

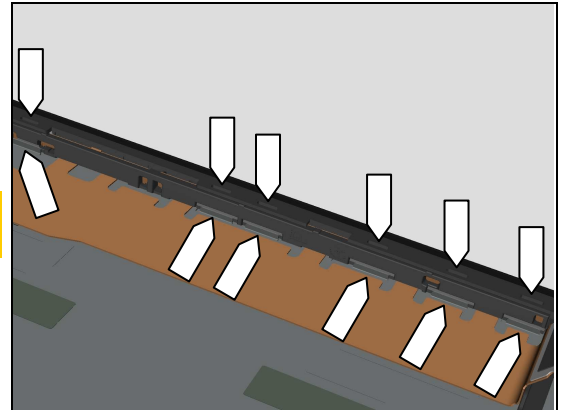
And then rotate to mount the side key holder as shown in picture.



## Reassembly

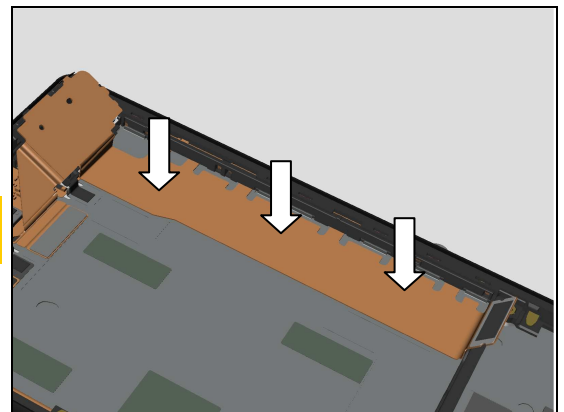
Press to snap the side key holder.

***Make sure the side key holder is mounted into its cavity and snapped.***



Press to secure good attachment of Relay\_U Flex module.

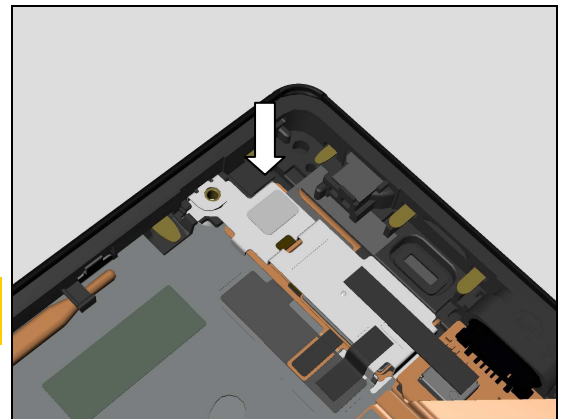
***Note! The Sheet Conductive Plate A can be only reuse once.***



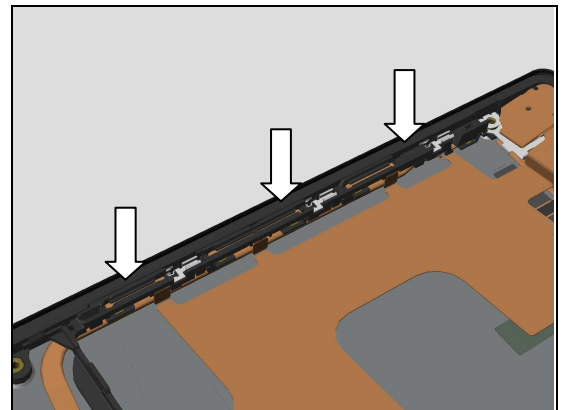
### 5.3 Adhesive Shield FPC LCD (a) and Relay\_L Flex module (b)

***Note! The Relay\_L Flex module can be reused if not damaged or folded.***

Attach a NEW Adhesive Shield FPC LCD in its proper position as shown in picture.

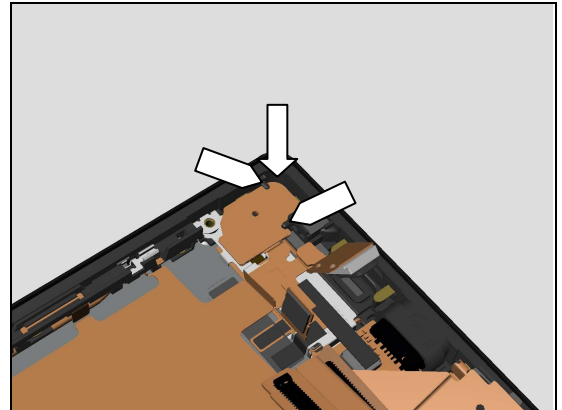


Press to snap the RF Cable holder of the Relay\_L Flex module in its proper position as shown in picture.



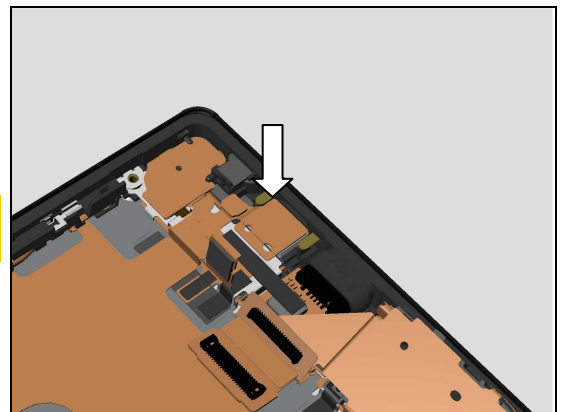
## Reassembly

Press to mount this part in alignment with the guiding pins as shown in picture.



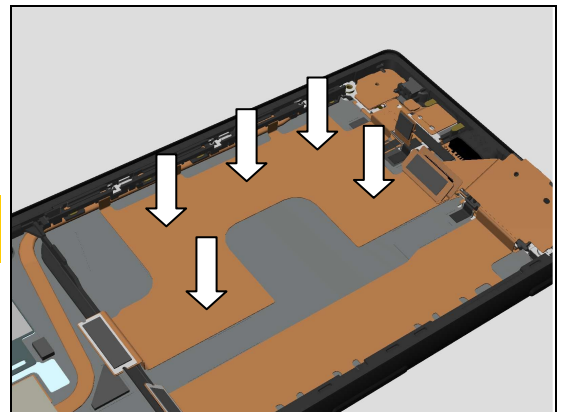
Press to mount this part into its cavity as shown in picture.

**Make sure the Cap Mic 1st Sub Assy is mounted into its cavity.**



Press to secure good attachment of Relay\_L Flex module.

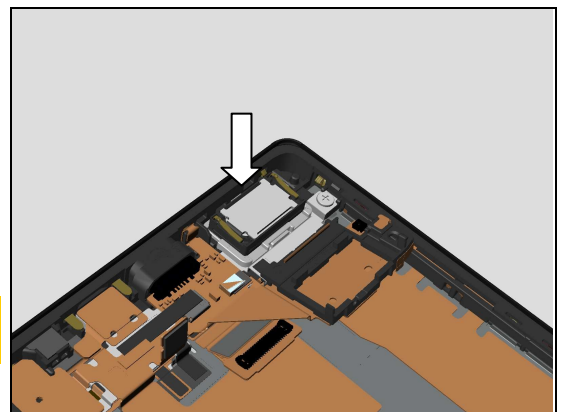
**Note! The Sheet Conductive Plate B can be only reuse once.**



### 5.4 Loudspeaker & Cap Speaker Sub Assy

Mount the Loudspeaker & Cap Speaker Sub Assy into its cavity as shown in picture.

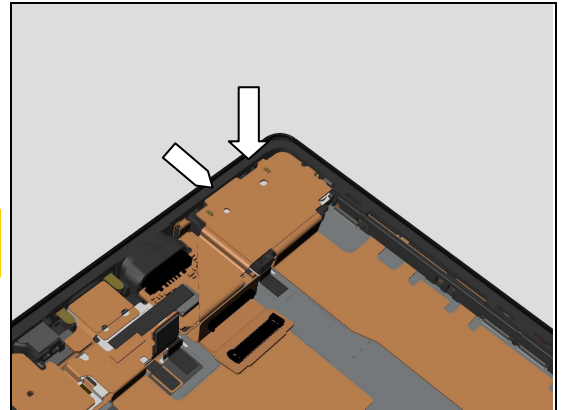
**Make sure the Cap Speaker Sub Assy is mounted into its cavity.**



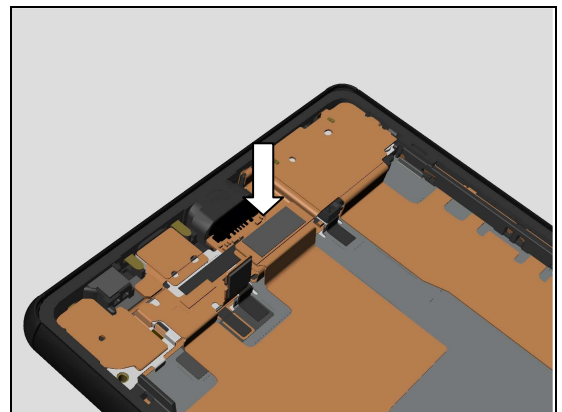
## Reassembly

Press to snap the speaker hold of the Relay\_U Flex module as shown in picture.

**Note! Do not damage the ground contact FPCs on the side of speaker holder.**



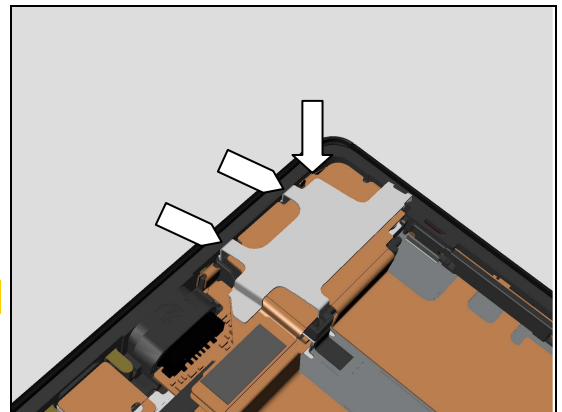
Press to snap the BtB connector of Relay\_L Flex module to Display FPC.



### 5.5 Plate speaker

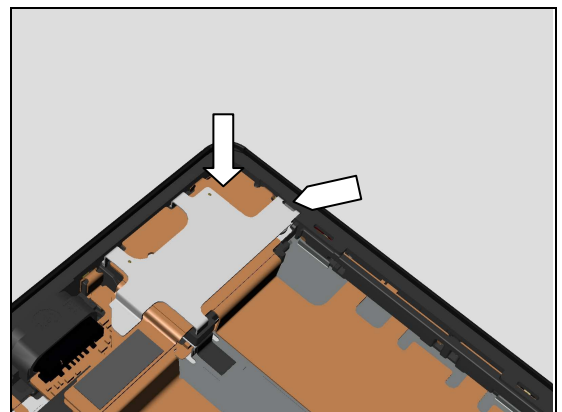
Insert to mount the two bottom hooks, and then press to snap them as shown in picture.

**If the Plate Speaker is deformed, replace a new one!**



Insert to mount this hook, and then press to snap it as shown in picture.

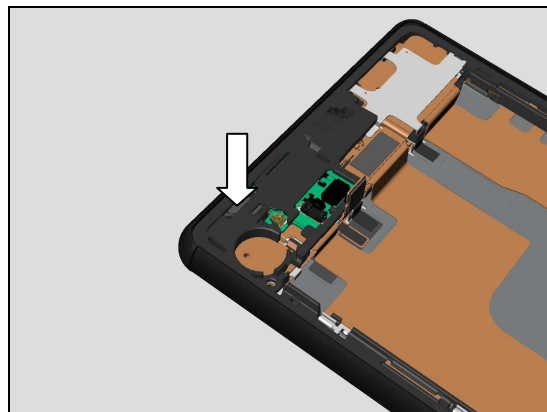
Press the Plate Speaker again to secure its position.



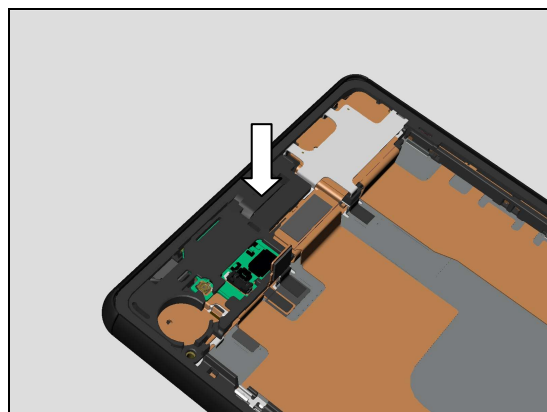
## Reassembly

### 5.6 Holder Vibrator & Sub PBA

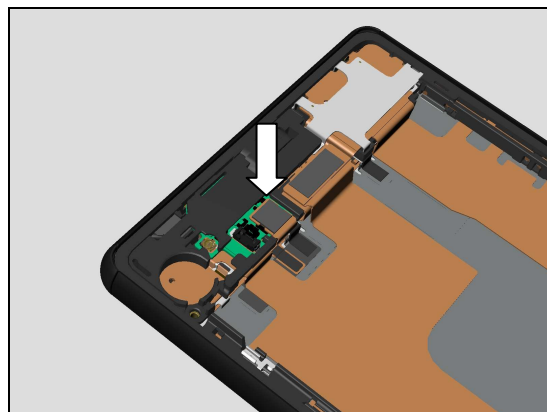
Press to snap this side of the Holder Vibrator as shown in picture.



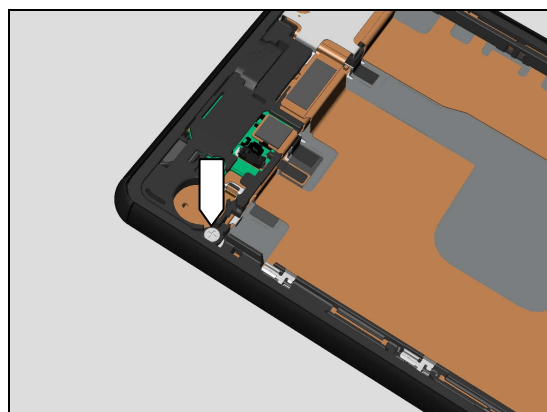
Press to snap the other side of the Holder Vibrator as shown in picture..



Press to snap the BtB connector of Relay\_L Flex module to Sub PBA.



Apply 13Ncm torque when tightening the Screw Other  
Len:2.6 Diam:1.4 with Bits JCIS No.0.

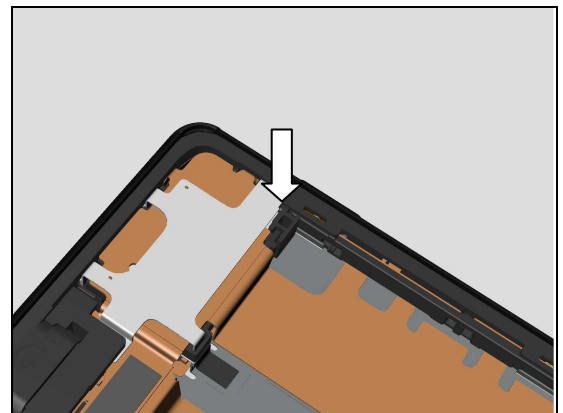
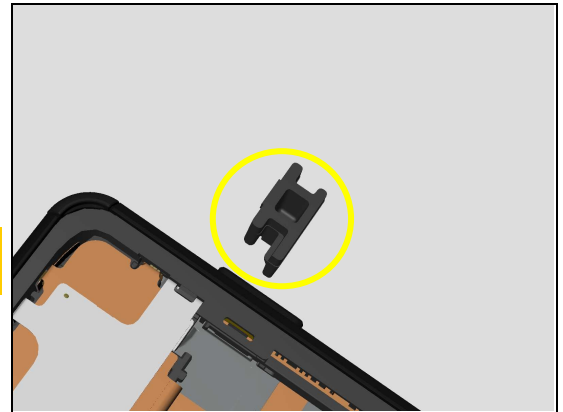


## Reassembly

### 5.7 Spacer Battery

**Note the correct orientation of the Spacer Battery to be installed as shown in picture!**

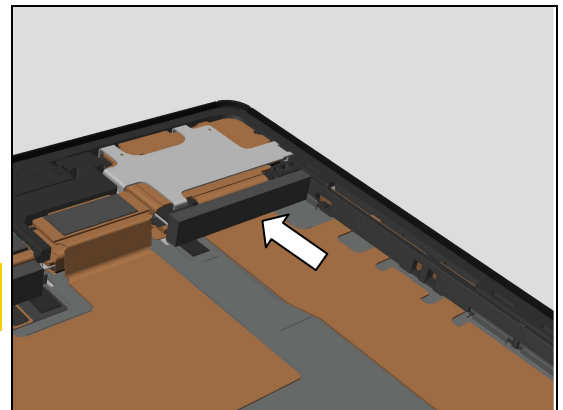
Insert to mount the Spacer Battery in its proper position as shown in picture.



### 5.8 Cushion Battery Bottom

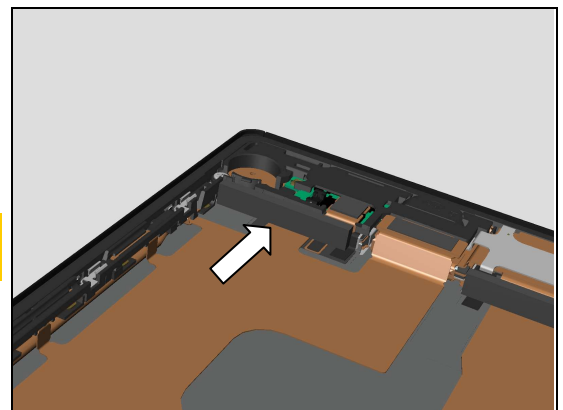
Attach a NEW Cushion Battery Bottom in its proper position as shown in picture.

**Note! The top side of the Cushion Battery Bottom is lower than the Plate Speaker.**



Attach a NEW Cushion Battery Bottom in its proper position as shown in picture.

**Note! The top side of the Cushion Battery Bottom is lower than the Holder Vibrator.**



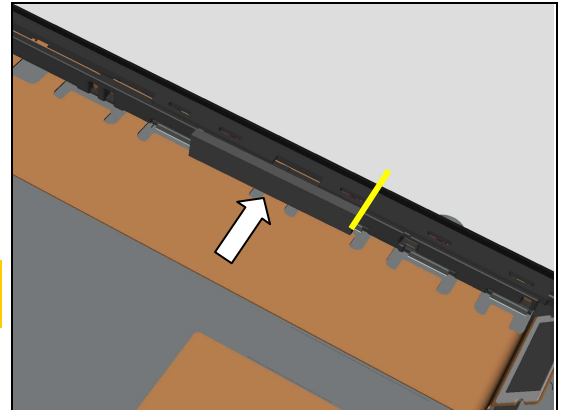


## Reassembly

### 5.9 Cushion Battery Side

Attach a NEW Cushion Battery Side in its proper position as shown in picture.

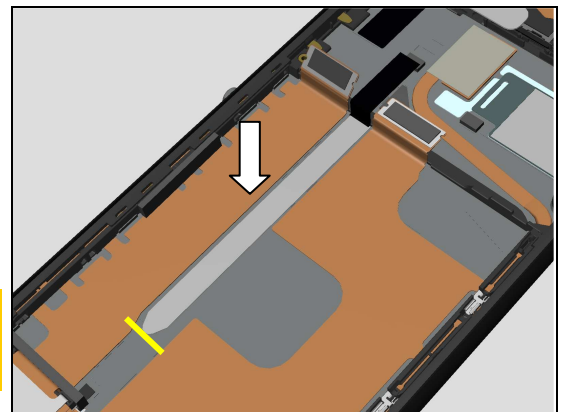
**Note!** The top side of the Cushion Battery Side is lower than the side key holder of the Relay\_U Flex module.



### 5.10 Adhesive Battery A (a) Adhesive Battery B (a) and Battery (b)

Attach a NEW Adhesive Battery B in its proper position as shown in picture.

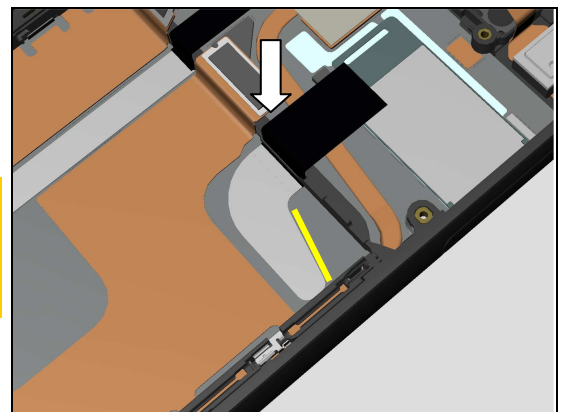
**Note!** The bottom side of the Adhesive Battery B should be aligned with the guiding line, and the Adhesive Battery B should not be attached onto the FPC.



Attach a NEW Adhesive Battery A in its proper position as shown in picture.

**This is only for E6553!**

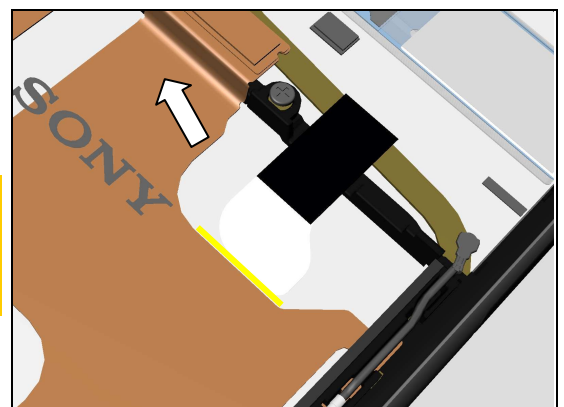
**Note!** The Adhesive Battery A should be aligned with the guiding line, and the Adhesive Battery A should not be attached onto the FPC.



Attach a NEW Adhesive Battery A DS in its proper position as shown in picture.

**This is only for E6533!**

**Note!** The Adhesive Battery A DS should be aligned with the guiding line, and the Adhesive Battery A DS should not be attached onto the FPC.



## Reassembly

Mount the bottom side of the Battery.

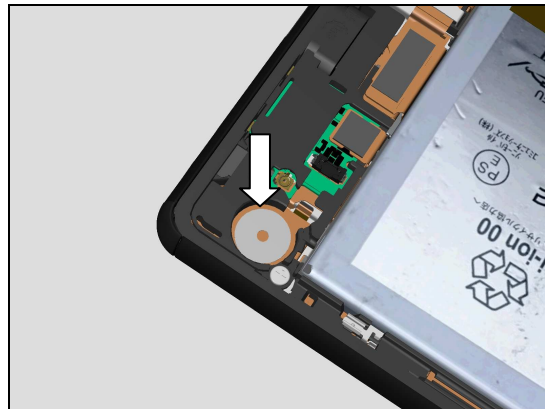


Press the adhesive area to secure good attachment of the Battery.

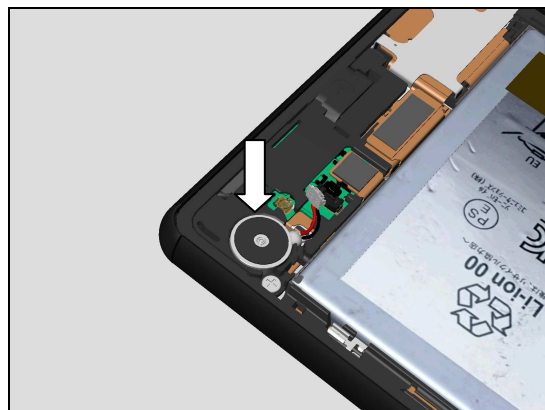


### 5.11 Adhesive Vibrator (a) and Vibrator (b)

Attach a NEW Adhesive Vibrator in its proper position.



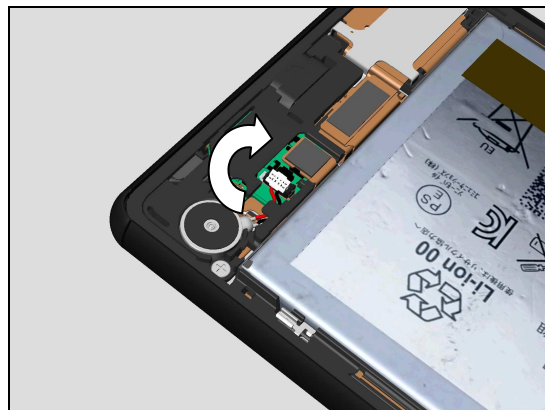
Attach the Vibrator in its cavity.



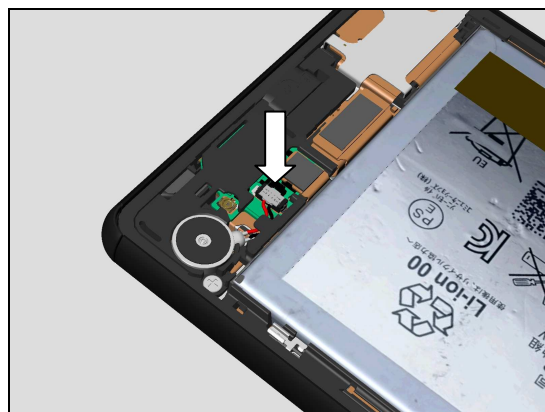


## Reassembly

Mount the Vibrator wire under the Holder Vibrator.



Press to snap the Vibrator connector.



### 5.12 RF Cable

Press to snap the RF cable connector.



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



## Reassembly

**Note! Make sure this metal part of the RF Cable is mounted into the clip**



**Note! Make sure this metal part of the RF Cable is mounted into the clip.**



**Note! Make sure this metal part of the RF Cable is mounted into the clip.**

**This is only for E6553!**



**Note! Make sure this metal part of the RF Cable is mounted into the plastic clip.**

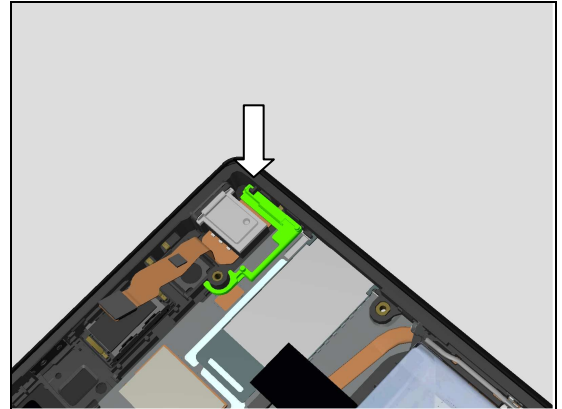
**This is only for E6533!**



## Reassembly

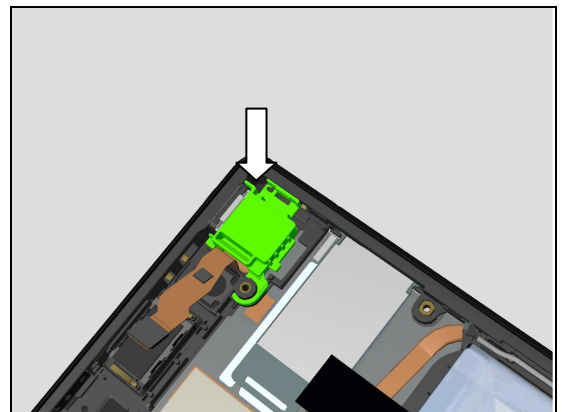
### 5.13 Antenna WLAN

Mount to snap the Antenna WLAN into its proper position.



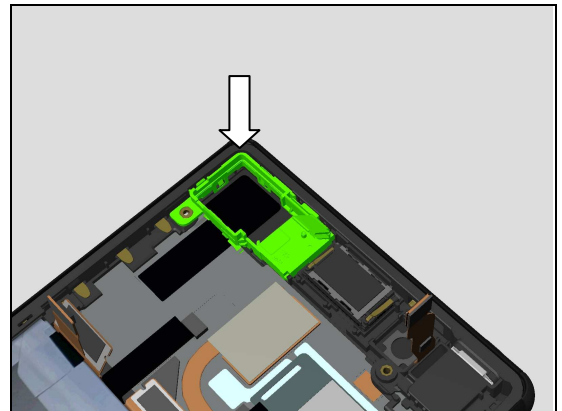
### 5.14 Holder Jack

Press to snap the Holder Jack.



### 5.15 Top Flex module

Press to snap the Top Flex module.



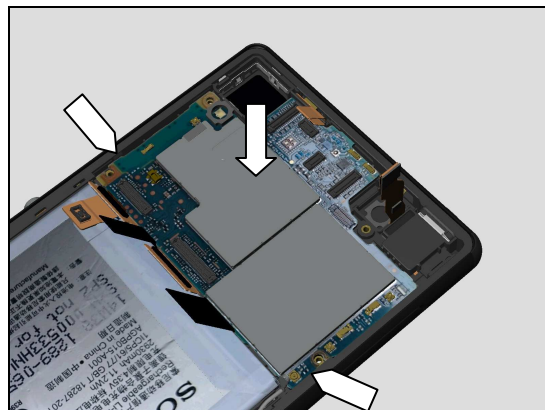
### 5.16 Main PBA

Insert the top side the Main PBA into its cavity.

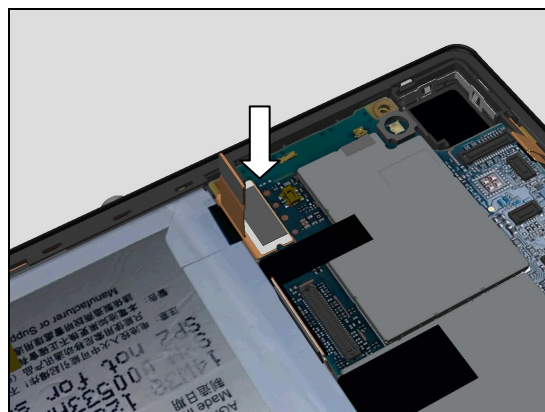


## Reassembly

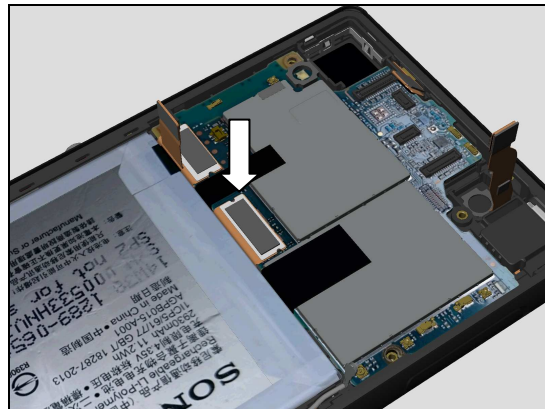
Press to snap the Main PBA into its cavity.



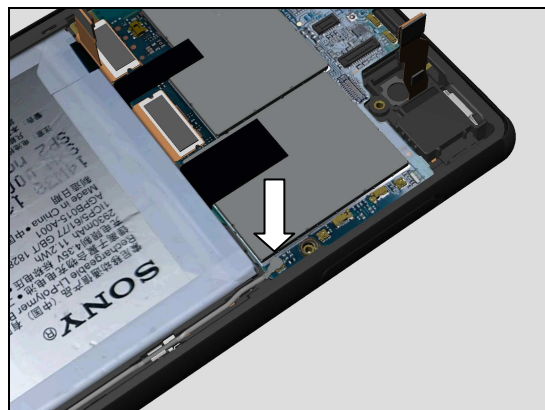
Press to snap the BtB connector of the Relay\_U Flex module.



Press to snap the BtB connector of the Relay\_L Flex module.

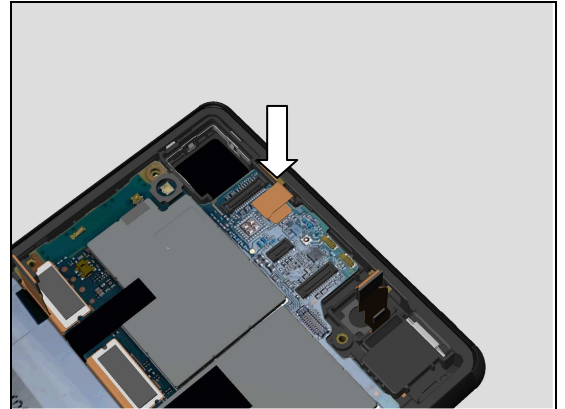


Press to snap the RF cable connector.



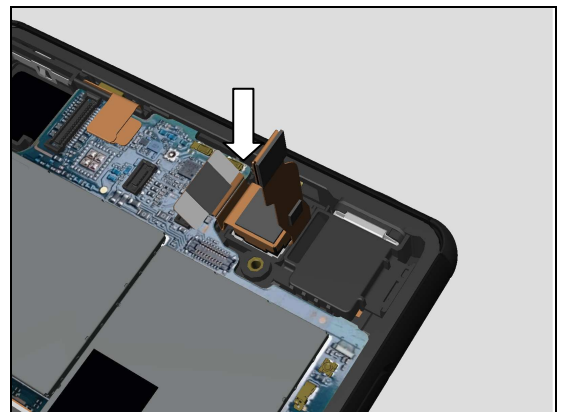
## Reassembly

Press to snap the BtB connector of the Top Flex module.

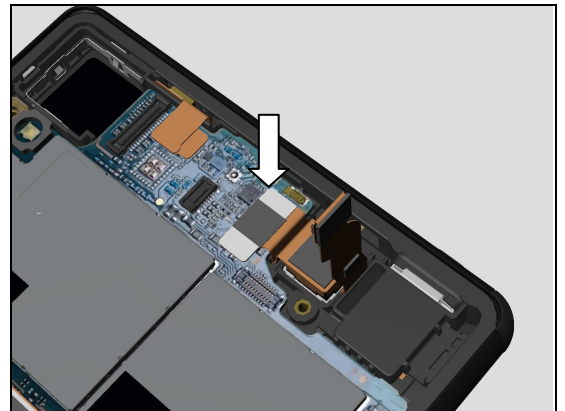


### 5.17 Chat Camera

Mount the Chat Camera into its cavity as shown in picture.

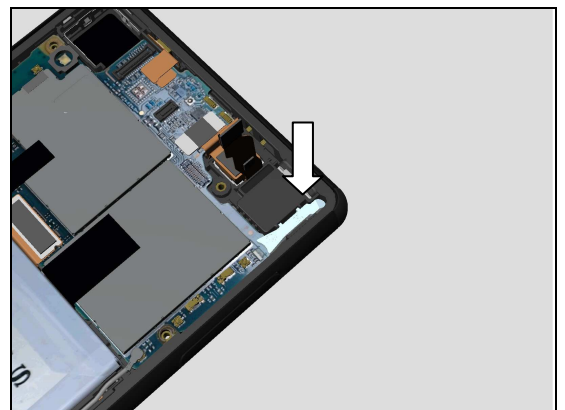


Press to snap the Chat Camera connector.



### 5.18 Light Guide 3LED

Mount to snap the Light Guide 3LED into its cavity.

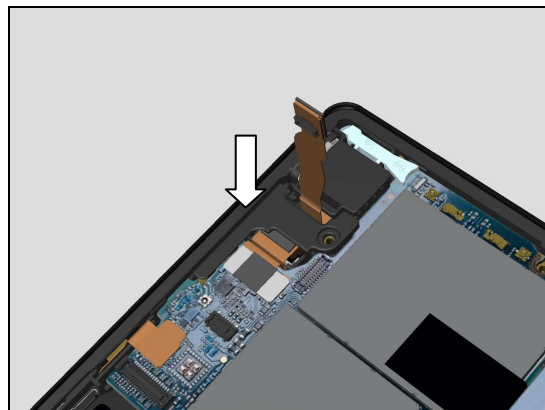




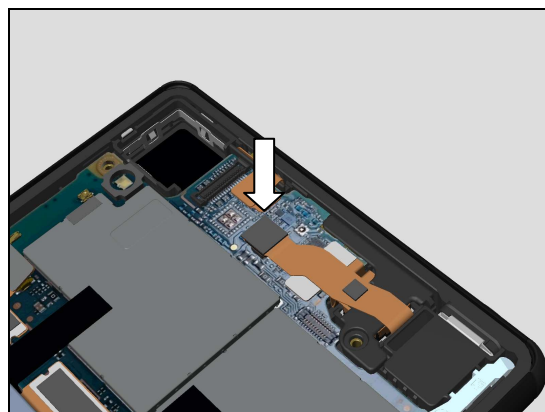
## Reassembly

### 5.19 Antenna Diversity

Insert to mount the Antenna Diversity in its proper position as shown in picture.

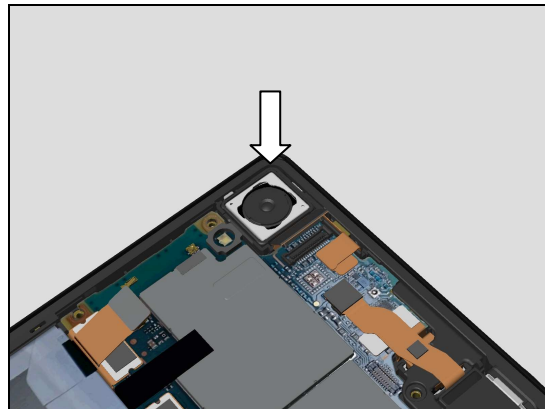


Press to snap the BtB connector of the Audio Jack FPC.

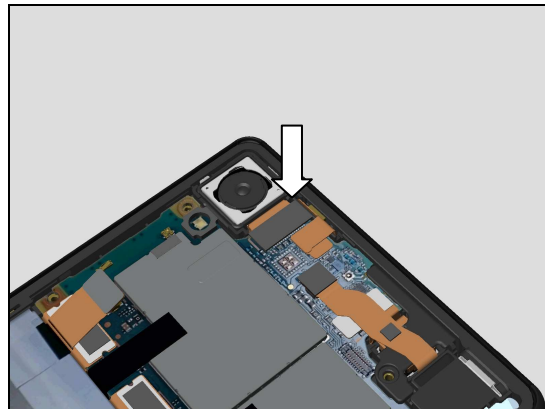


### 5.20 Main Camera

Mount the Main Camera into its cavity as shown in picture.



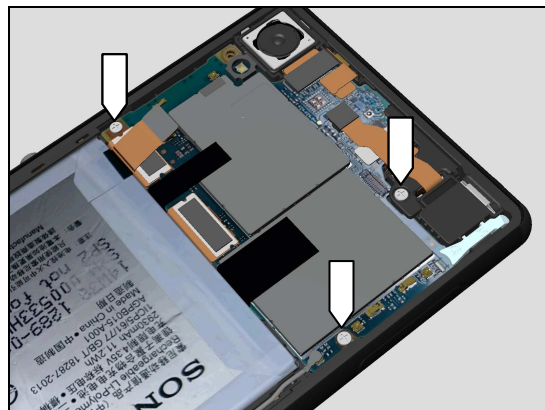
Press to snap the Main Camera connector.



## Reassembly

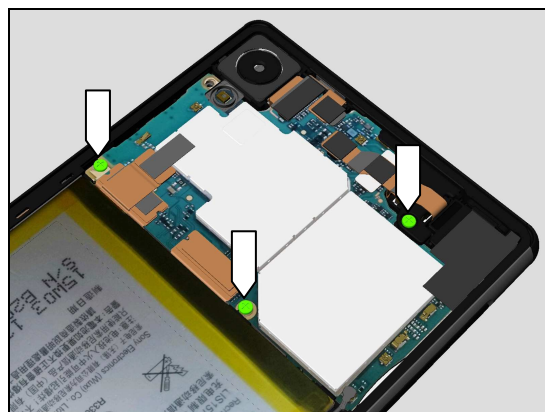
Apply 13Ncm torque when tightening the three Screw Other  
Len:2.6 Diam:1.4 with Bits JCIS No.0.

***This is only for E6553!***

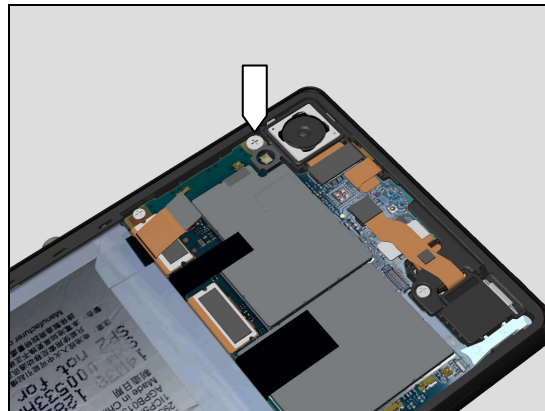


Apply 13Ncm torque when tightening the three Screw Other  
Len:2.6 Diam:1.4 with Bits JCIS No.0.

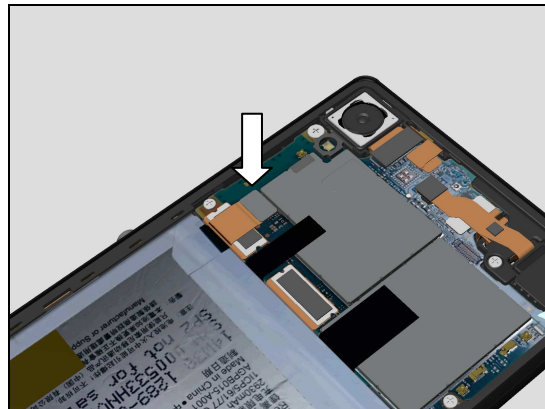
***This is only for E6533!***



Apply 13Ncm torque when tightening the Screw Len:2.8  
Diam:1.4 O-Ring M with Bits JCIS No.0.

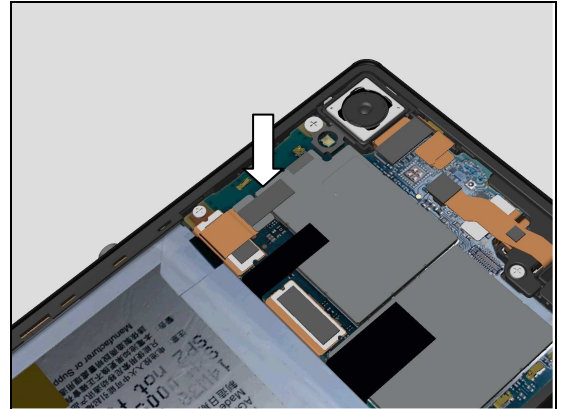


Press to snap the Battery connector.



## Reassembly

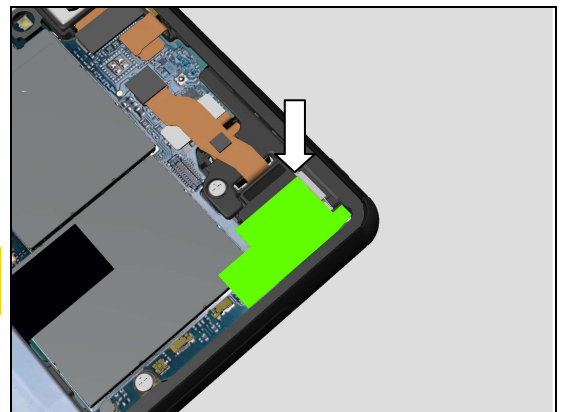
Attach a NEW Cushion BTB L.



### 5.21 Sheet Shade 3LED

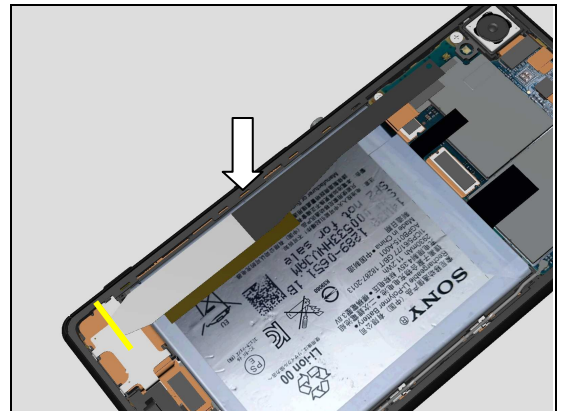
Attach a NEW Sheet Shade 3LED.

**Note! The Sheet Shade 3LED should not cover Adhesive WR Panel Rear attaching area.**

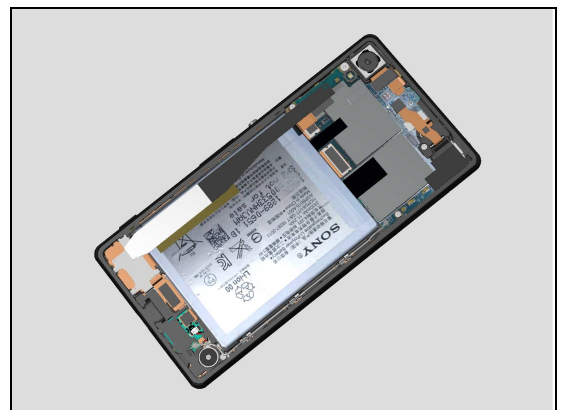


### 5.22 Adhesive Battery C (a) and Panel Rear (b)

Attach a NEW Adhesive Battery C in its proper position as shown in picture.



Use Isopropyl Alcohol – 99 % to clean around the Adhesive WR Panel Rear attaching area on the Display Frame Assy before assembly of the Panel Rear.

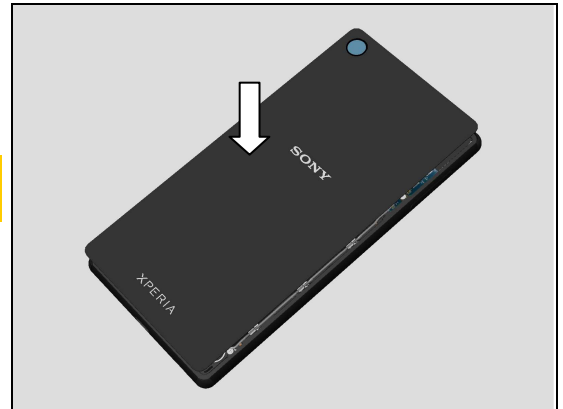




## Reassembly

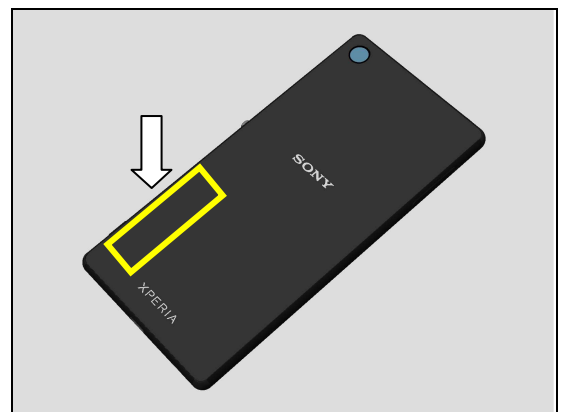
**Follow the 4.32 removal and installation instruction to replace a new Adhesive WR Panel Rear.**

Place the Panel Rear onto the Display Frame Assy.



Make sure of a good alignment so the Panel Rear is centered.

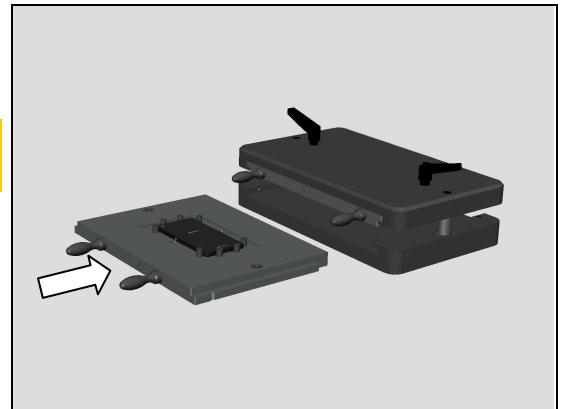
Then press hard on the Adhesive Battery C area as shown in picture for 10 seconds to secure good attachment.



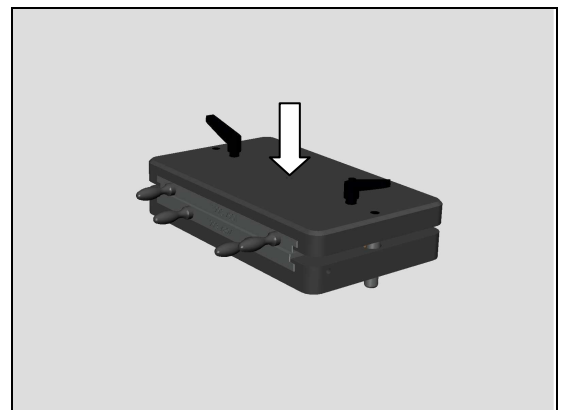
**Upper inlay = Rear Panel Press Top Inlay**

**Lower inlay = Bottom Press Inlay**

Place the phone in the Bottom Press Inlay and follow the instruction in 1003-9107 Tool Catalogue – mechanical and document Toothed Rack Press Instruction for use.



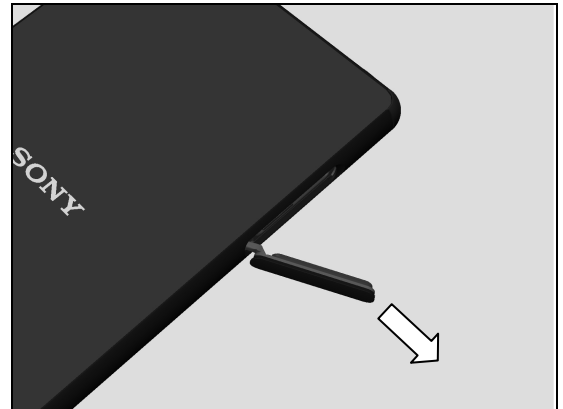
Press it with a pressure value of  $585N \pm 50N$  for 15 seconds.



## Reassembly

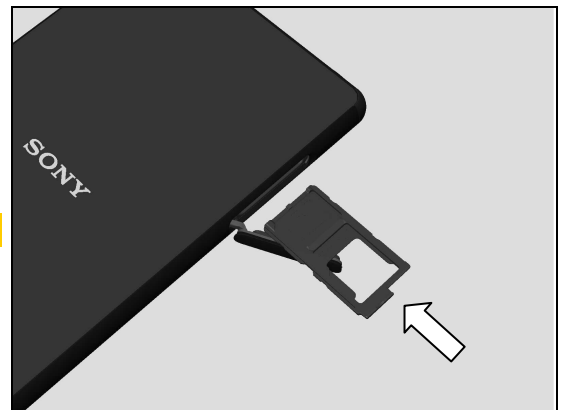
### 5.23 Tray Combo(E6553)/Tray Dual Nano SIM DS(E6533)

Open the Cap SIM/SD.



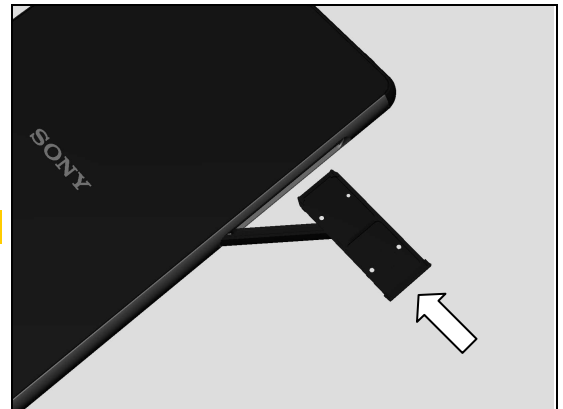
Insert the Tray Combo with fingers.

***This is only for E6553!***



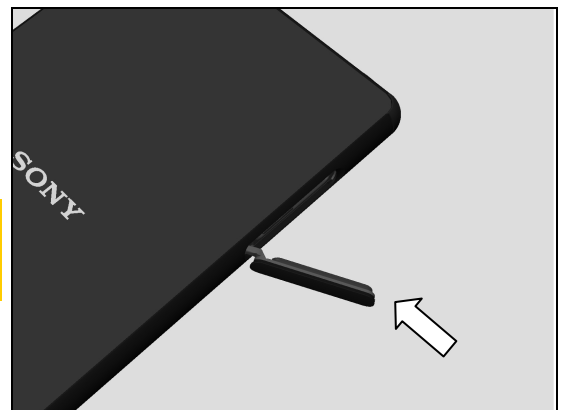
Insert the Tray Dual Nano SIM DS with fingers.

***This is only for E6533!***



Close the Cap SIM/SD.

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



## 6 Revision History

Rev.	Date	Changes / Comments
1	2015-May-27	Initial release