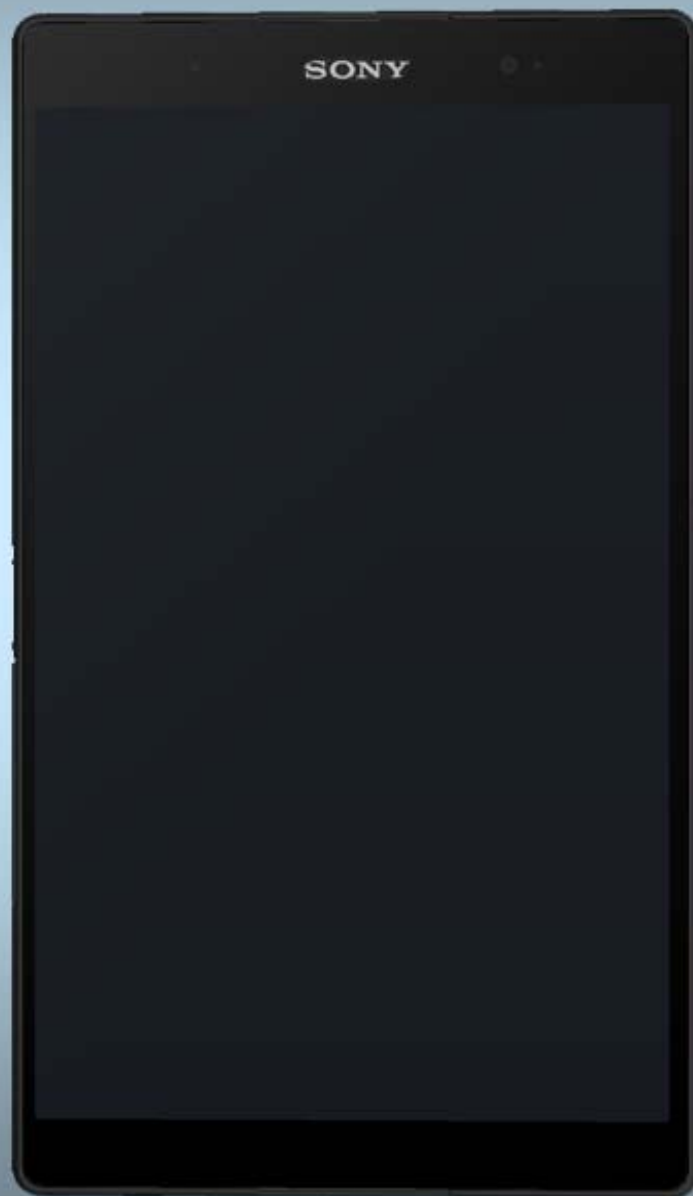


Working Instructions

- mechanical -



Xperia™ Z3 Tablet Compact
SGP611,SGP612,SGP621,SGP641

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

1 Exterior Views

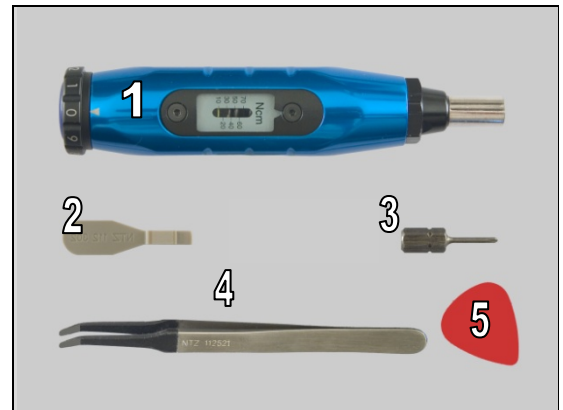
1.1 SGP611, SGP612, SGP621, SGP641



2 Tools

SPECIAL TOOLS

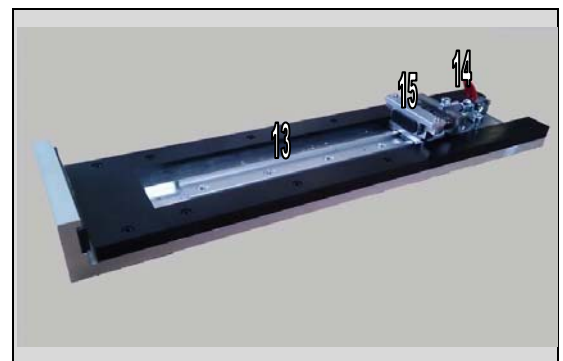
1. Torque Screwdriver
2. Front Opening Tool
3. Bits (Bits (JCIS No 0), Bits T4)
4. Flex Film Assembly Tool
5. Guitar Pick



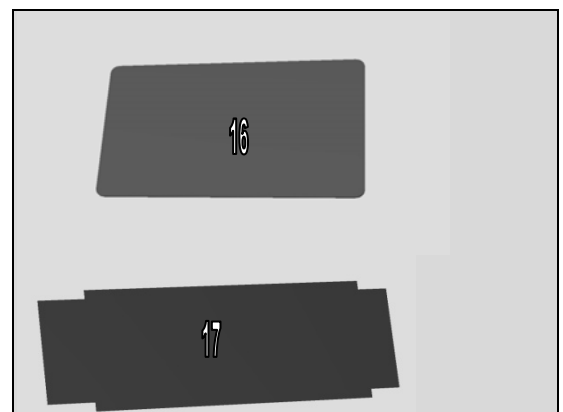
6. Press Tool Loudspeaker
7. Bottom Press Inlay Corners
8. Bottom Press Inlay Edges
9. Battery Press Top Inlay
10. Display Press Top Inlay Edges
11. Display Press Top Inlay Corners
12. Display Adhesive alignment Fixture



13. Side Panel press
14. Side Panel Press Head
15. Charge connector press pad



16. Battery Removal Tool
17. Sheet Disassembly_A

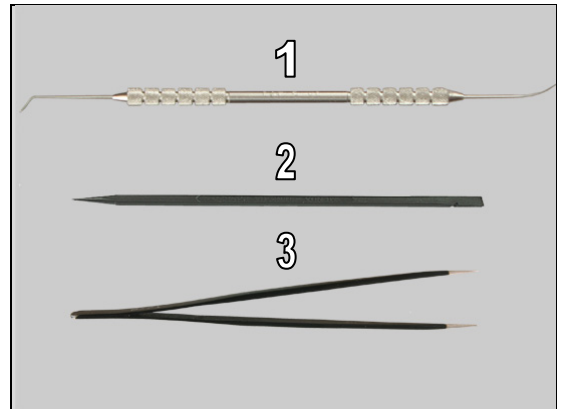


For part no's on the tools above, refer to the 'Tools Catalogue/Matrix'.

Tools

STANDARD TOOLS

1. Dentist Hook
2. Nylon Pointer
3. Tweezers



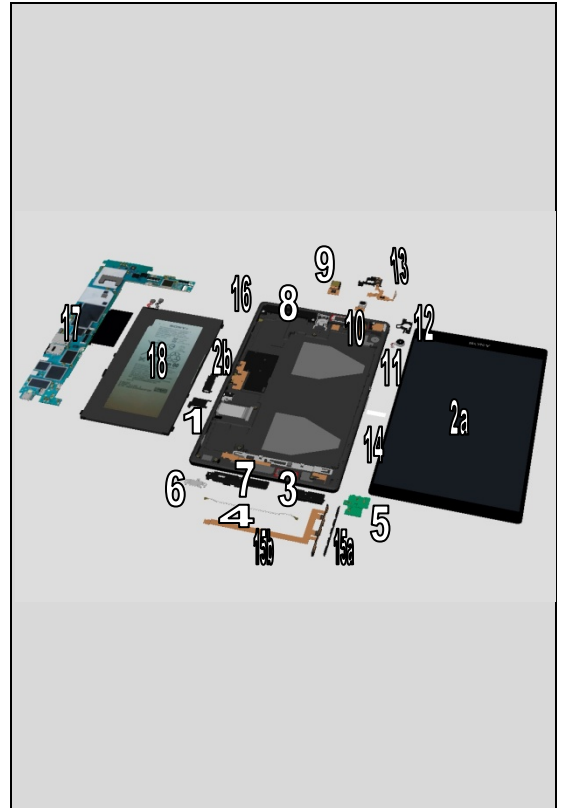
4. Suction Cup



3 Disassembly

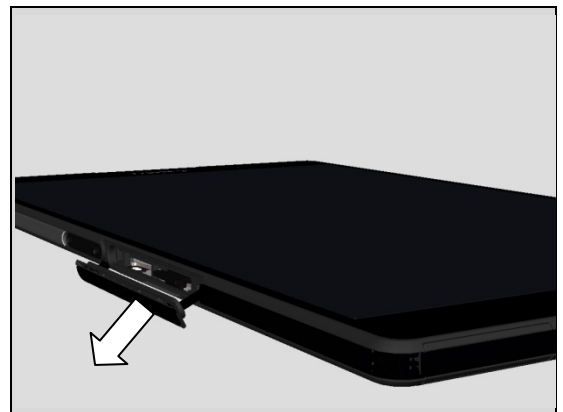
The disassembly is done in the following order:

1. Sim Tray nano
2. Display (a) + Holder LCD FPC BTB (b)
3. Antenna WLAN
4. RF Cable WLAN
5. Sub PBA
6. Plate USB
7. Antenna Diversity
8. Antenna Main
9. Main Camera
10. Chat Camera
11. Vibrator
12. Holder Vibrator
13. FPC Top Flex module
14. Sheet FPC Relay
15. Frame Key (a) + Key Flex module (b)
16. Plate Screw
17. Main PBA
18. Battery

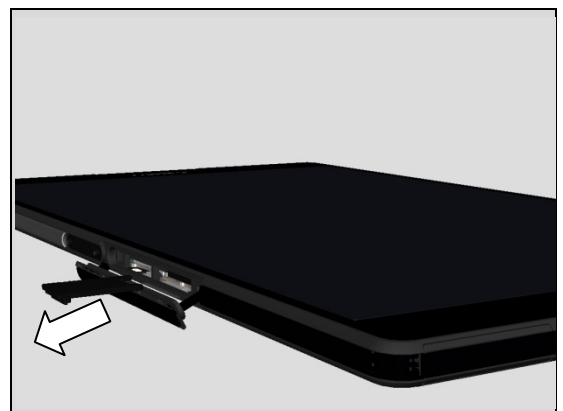


3.1 Sim Tray nano

Open the Cap SIM

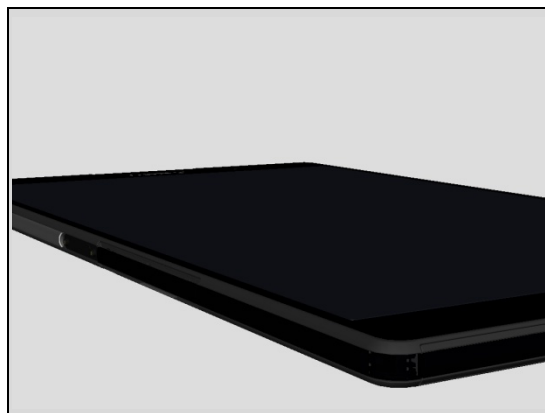


Remove the Sim Tray nano with fingers



Disassembly

Close the Cap SIM

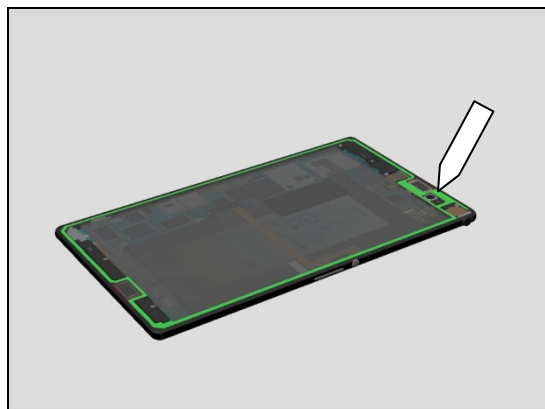


3.2 Display + Holder LCD FPC BTB

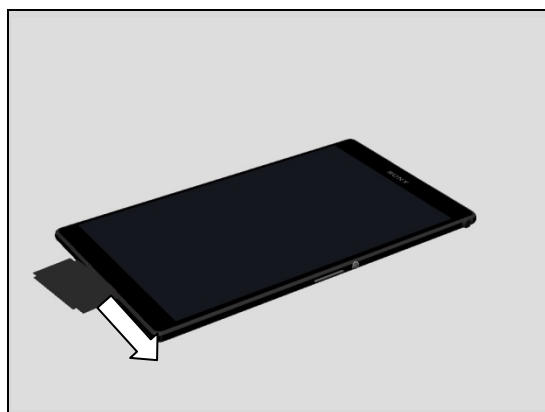
Warning! Use ESD Gloves with rubber and Safety Glasses when disassembly Display.

See the structure of the adhesive and be most careful around the area pointed with arrow.

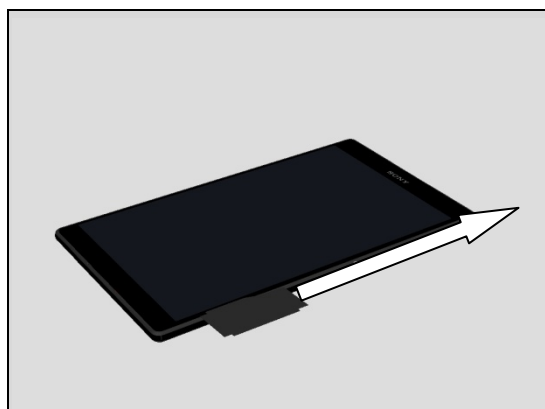
Note! Do not slide around corners by inserting the Sheet Disassembly _A deeper in then on the edges. Risk to damage the LCD



Use Sheet Disassembly_A when disassembly Display.
Start disassembly from the Speaker hole bottom to the right

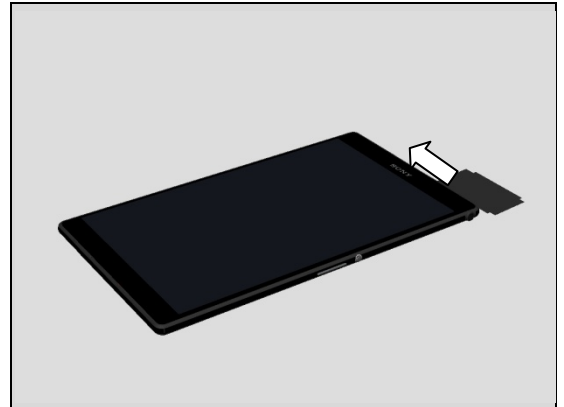


Gently slide along the long right side

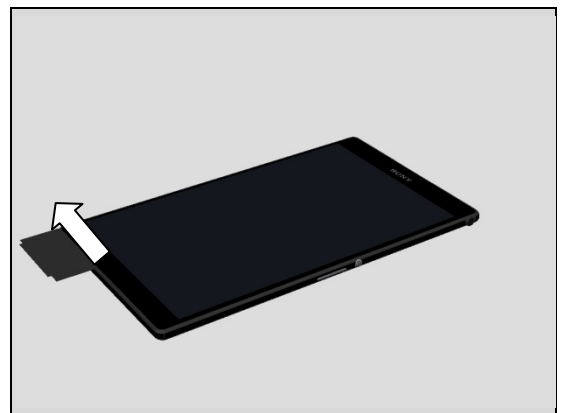


Disassembly

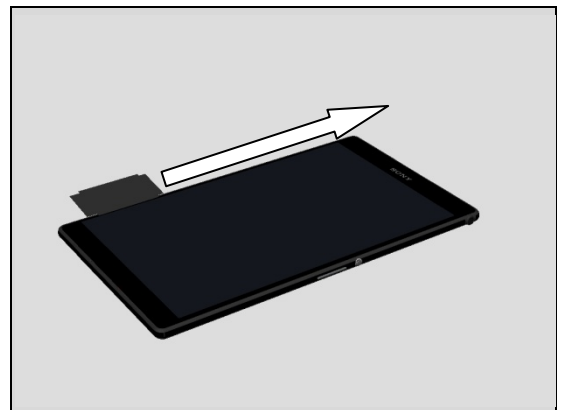
Gently slide along the top short side to the Speaker hole top



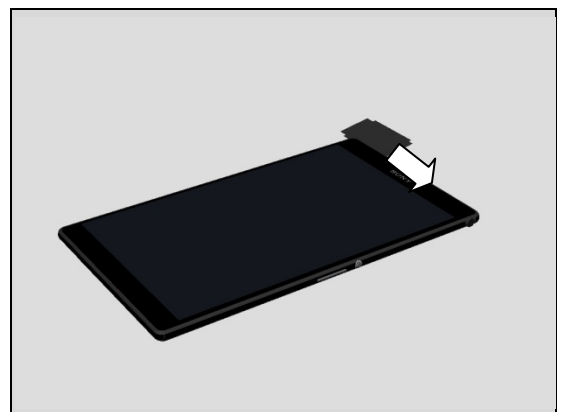
Continue disassembly from the Speaker hole bottom to the left



Gently slide along the long left side

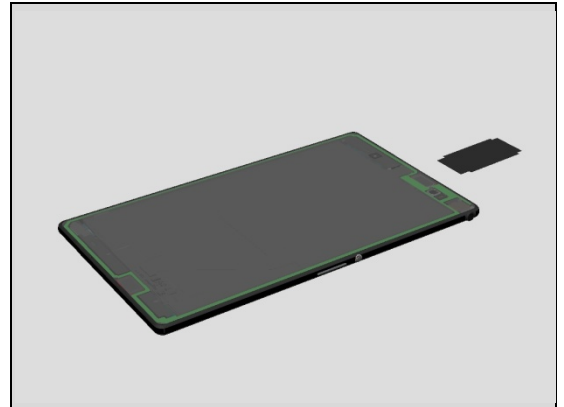


Finish with disassembly top short side to the Speaker hole top

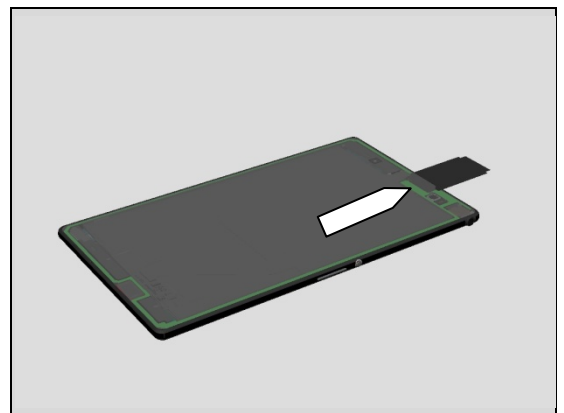


Disassembly

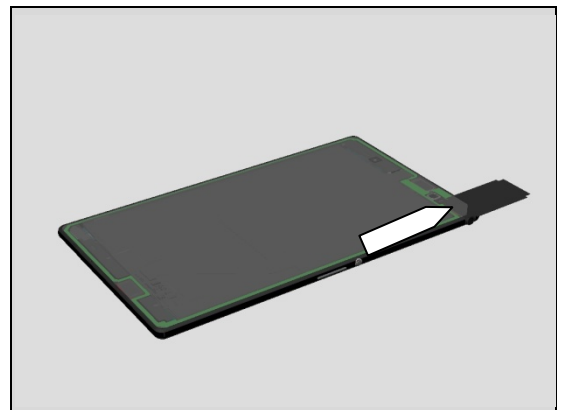
Use the longer target of the Sheet Disassembly_A



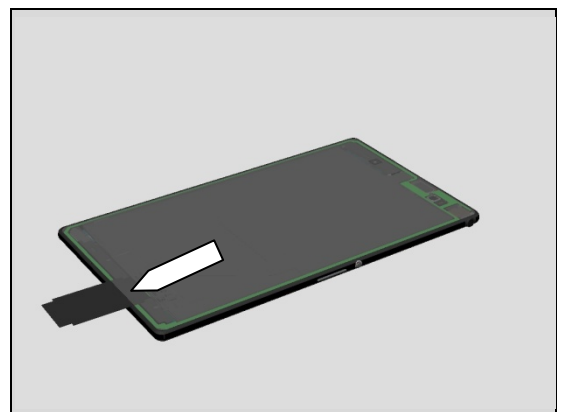
Insert the Sheet Disassembly_A Speaker hole top



Insert the Sheet Disassembly_A top right



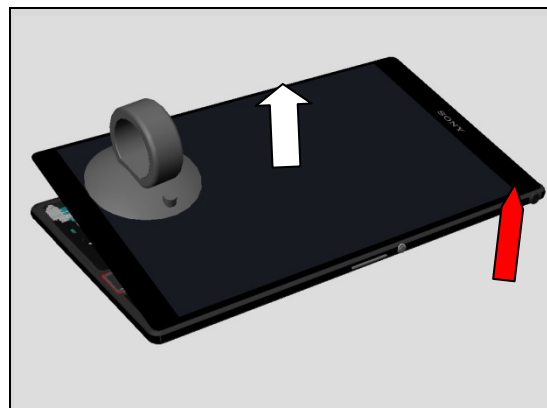
Insert the Sheet Disassembly_A bottom right side.



Disassembly

Gently open the Display with Suction Cup.

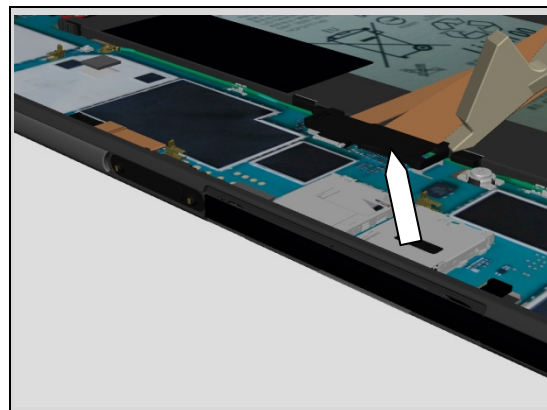
Careful not to damage the Display at the top right corner, see red arrow.



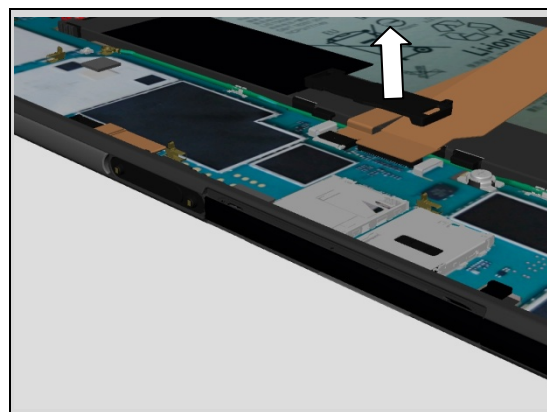
Use Front Opening Tool to disconnect battery connectors



Use Front Opening Tool to disconnect Holder LCD FPC BTB



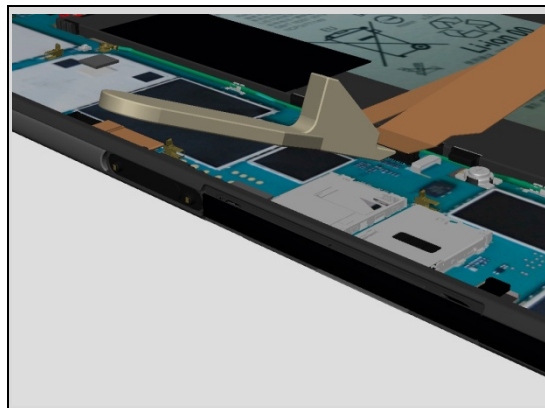
Remove Holder LCD FPC BTB with fingers



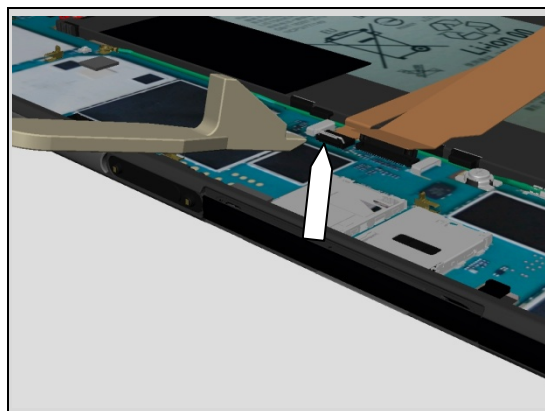
Disassembly

Use a Front Opening Tool to disconnect the BtB connector.

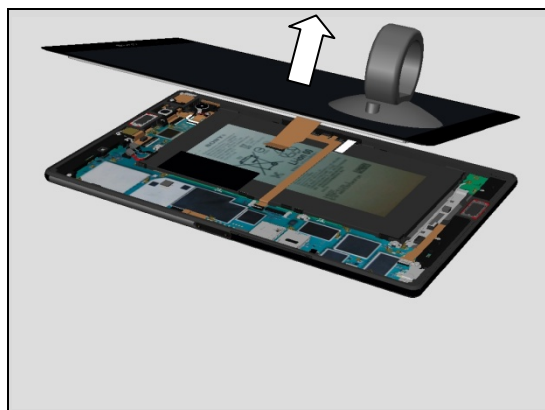
Note! Careful not to damage components around the connector.



Use a Front Opening Tool to disconnect the ZIF connector.

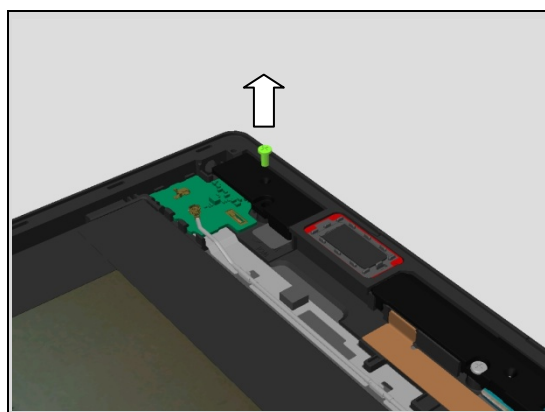


Remove Display



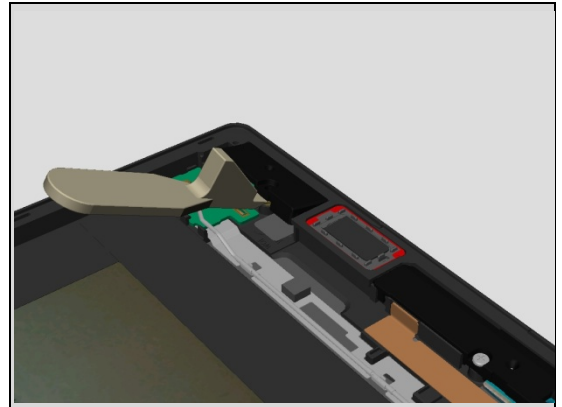
3.3 Antenna WLAN

Remove the Screw M1.4X3.0 by using a screwdriver with Bits (JCIS No 0).

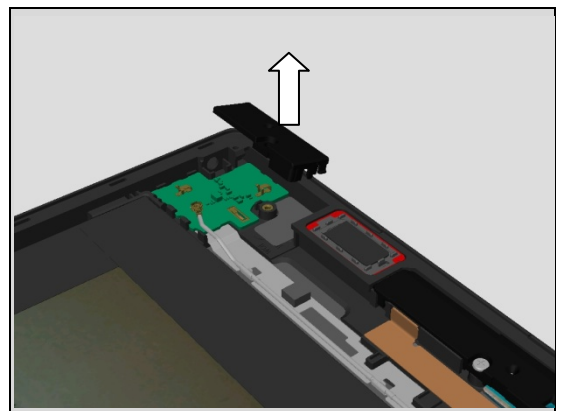


Disassembly

Insert the Front Opening Tool to release the Antenna WLAN

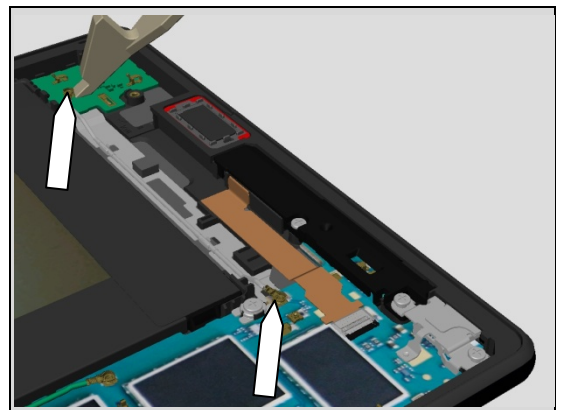


Remove the Antenna WLAN

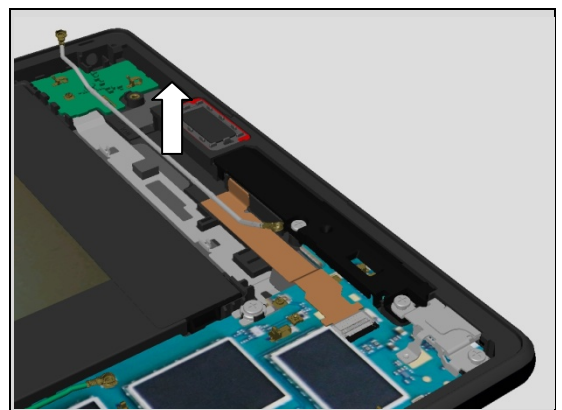


3.4 RF Cable WLAN

Detach the RF Cable WLAN connectors with Front Opening Tool



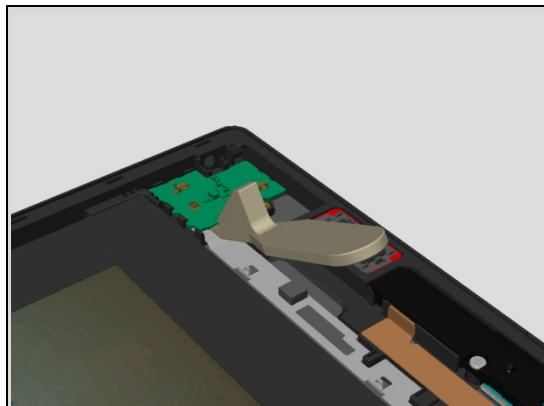
Remove the RF Cable WLAN with fingers



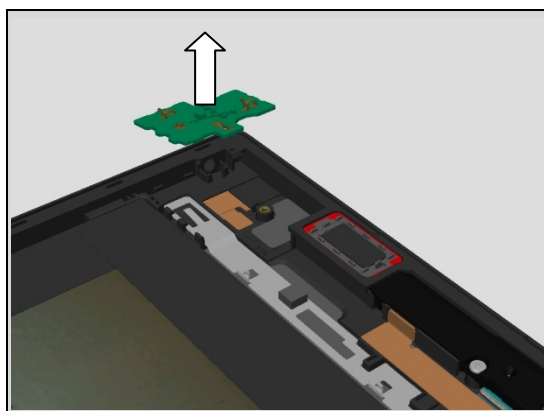
Disassembly

3.5 Sub PBA

Use a Front Opening Tool to disconnect the Sub PBA.

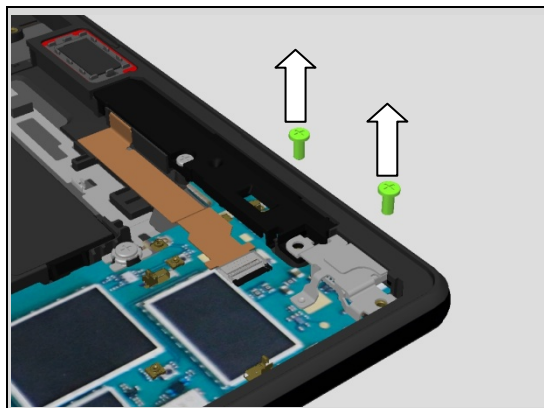


Remove the Sub PBA with fingers

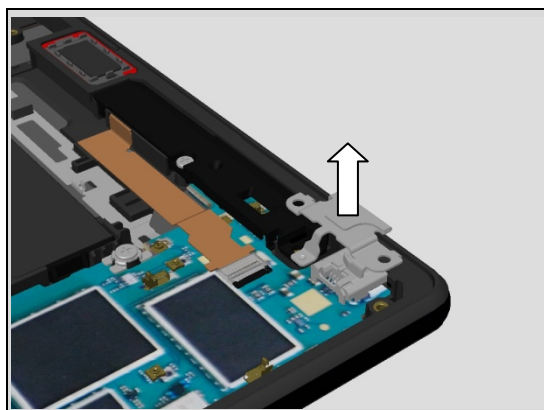


3.6 Plate USB

Remove the Screw M1.4X3.0 by using a screwdriver with Bits (JCIS No 0).



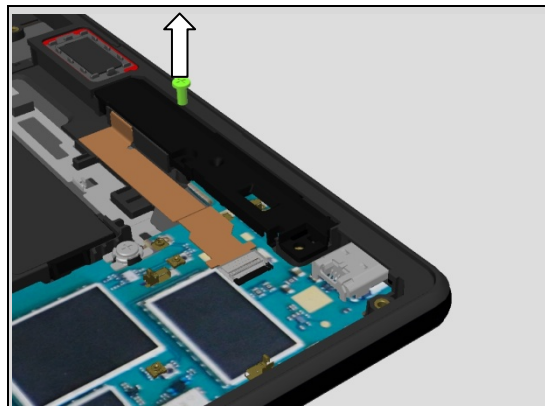
Remove the Plate USB with a pair of tweezers.



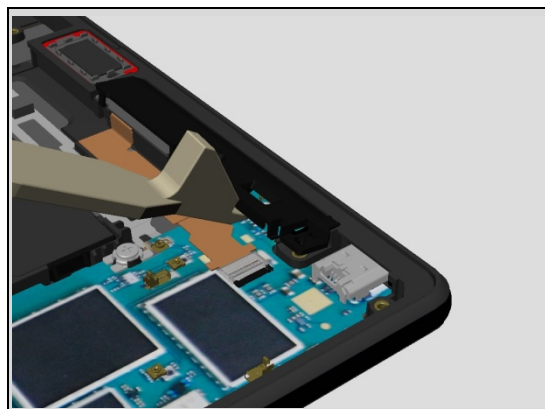
Disassembly

3.7 Antenna Diversity

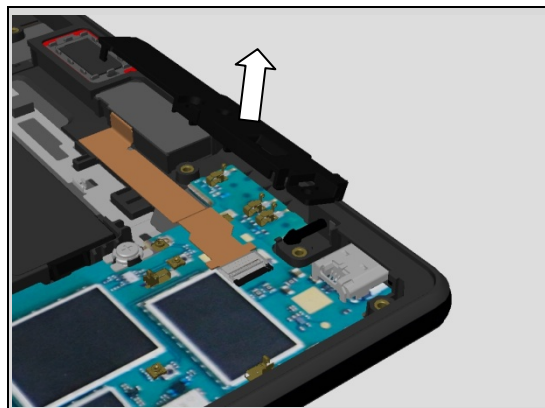
Remove the Screw M1.4X3.0 by using a screwdriver with Bits (JCIS No 0).



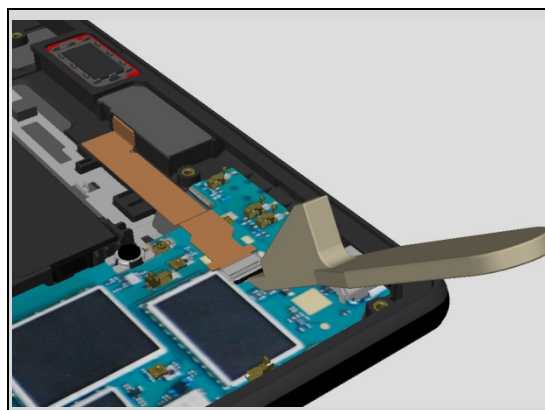
Insert the Front Opening Tool to release the Antenna Diversity



Remove the Antenna Diversity with fingers

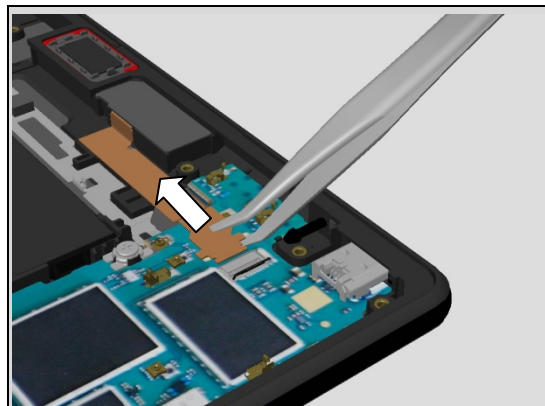


Use Front Opening Tool to opening ZIF connector.



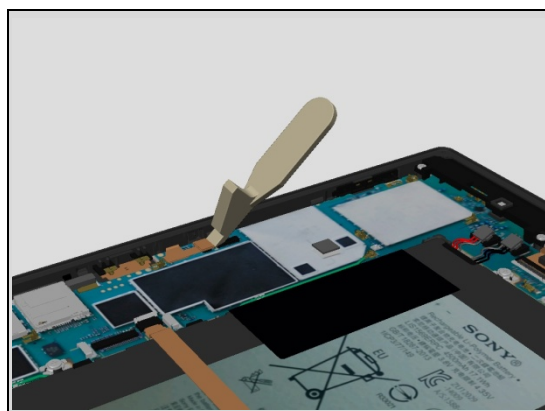
Disassembly

Use Flex Film Assembly Tool to detach FPC

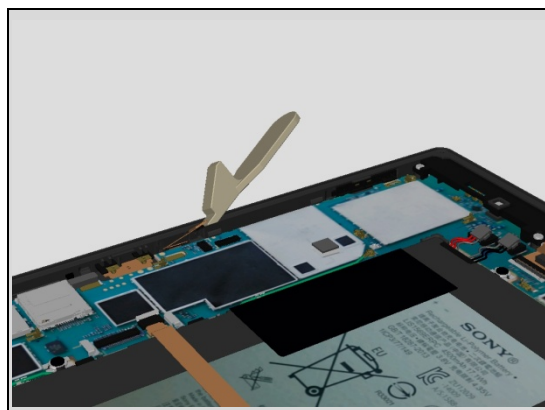


3.8 Antenna Main

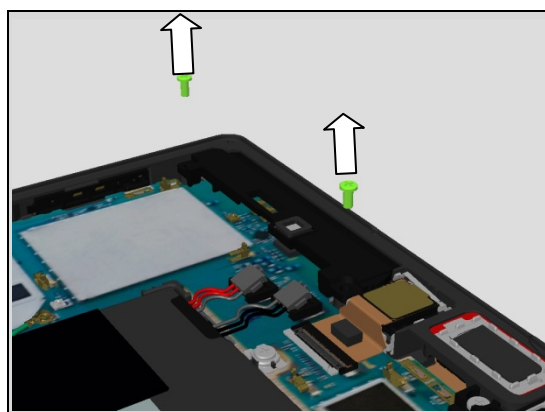
Use a Front Opening Tool to disconnect the BtB connector.



Fold up the FPC of Antenna NFC

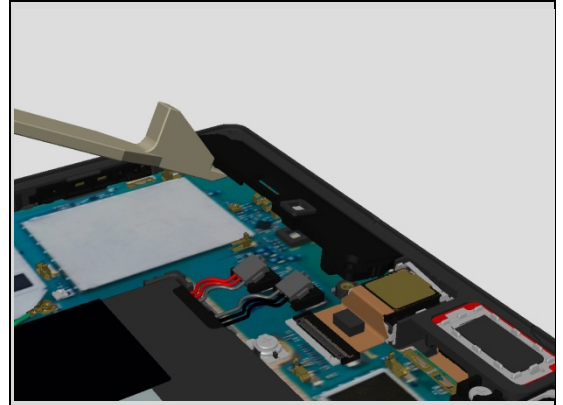


Remove the Screw M1.4X3.0 by using a screw driver with Bits (JCIS No 0).

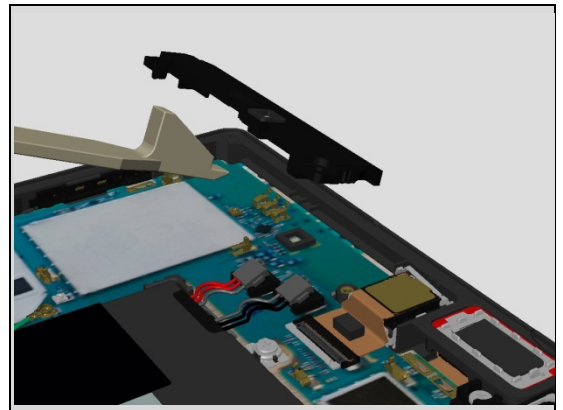


Disassembly

Insert the Front Opening Tool to release the Antenna Main

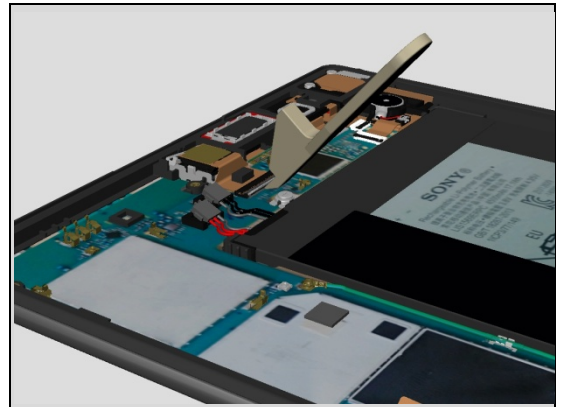


Remove the Antenna Main with fingers

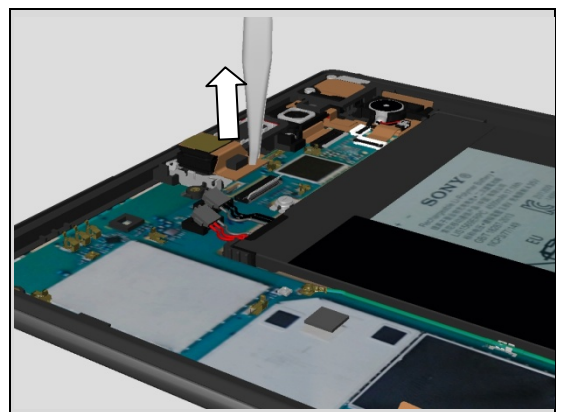


3.9 Main Camera

Open ZIF connector with Front Opening Tool



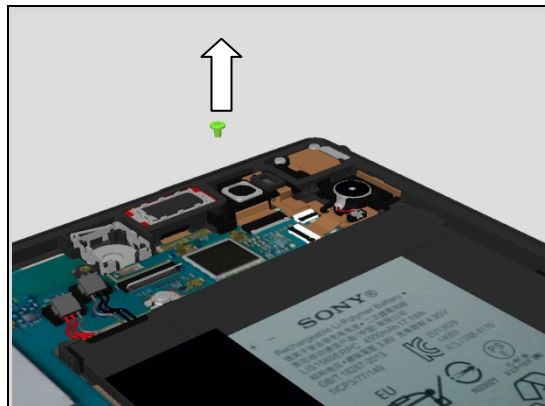
Remove Main Camera with Flex Film Assembly Tool



Disassembly

3.10 Chat Camera

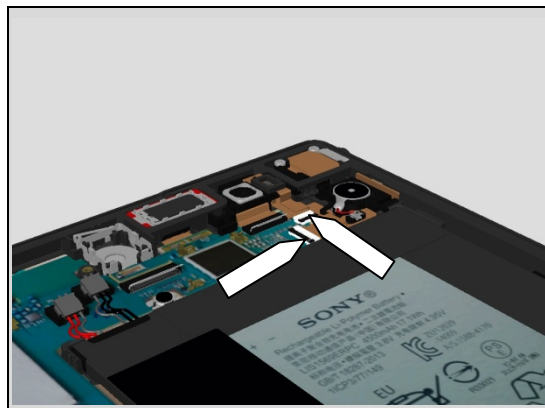
Remove the Screw Len:2.0 Diam:1.4 M by using a screwdriver with Bits (JCIS No 0).



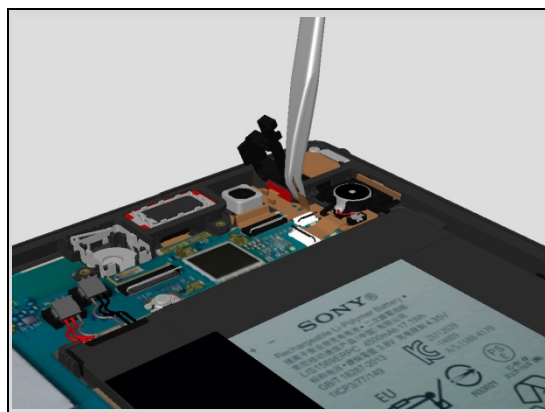
Open ZIF connector with Front Opening Tool



Open the two other connectors with Front Opening Tool

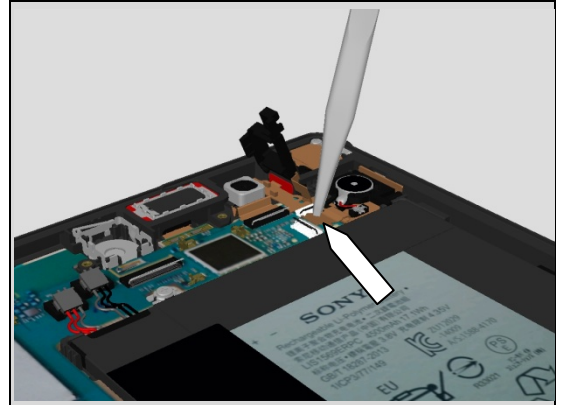


Fold up the FPC Top Flex module

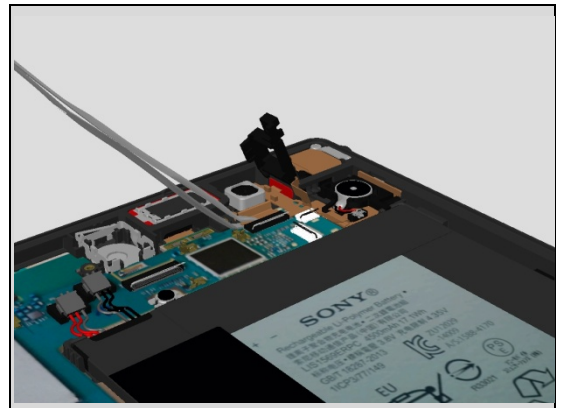


Disassembly

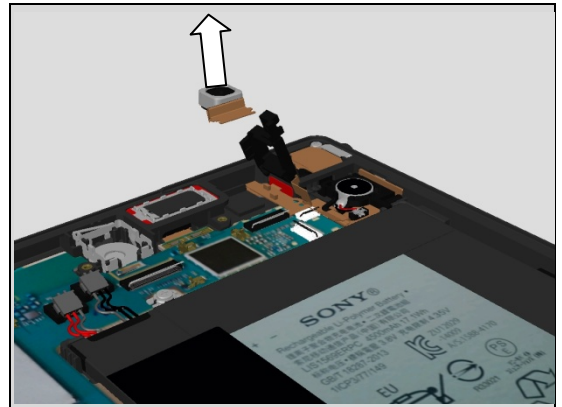
Release the FPC of FPC Top Flex Module from ZIF connector



Release the FPC of Chat Camera from ZIF connector

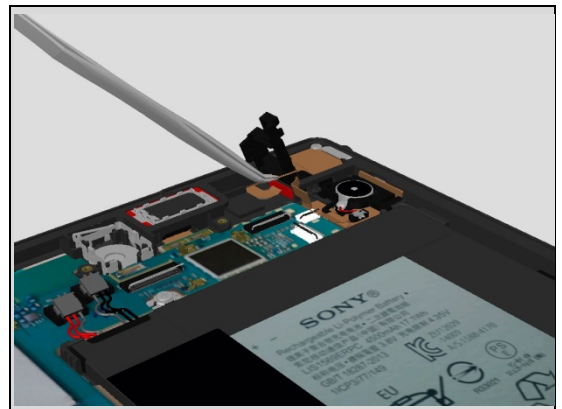


Remove the Chat Camera with fingers



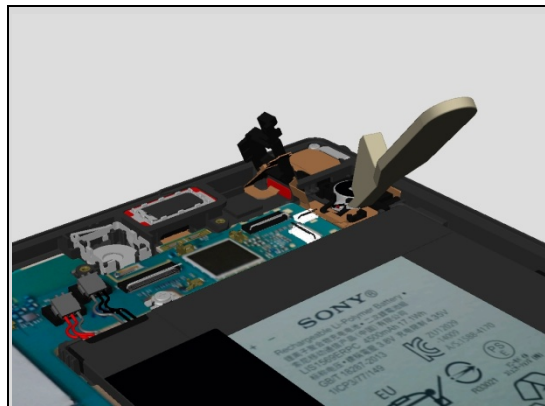
3.11 Vibrator

Detach FPC of FPC JK Flex module from ZIF connector

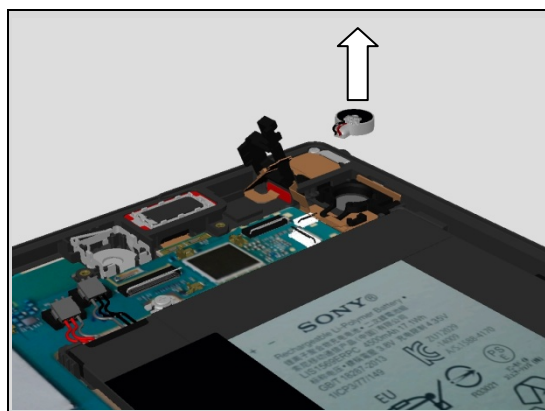


Disassembly

Use Front Opening Tool to disconnect Vibrator connector

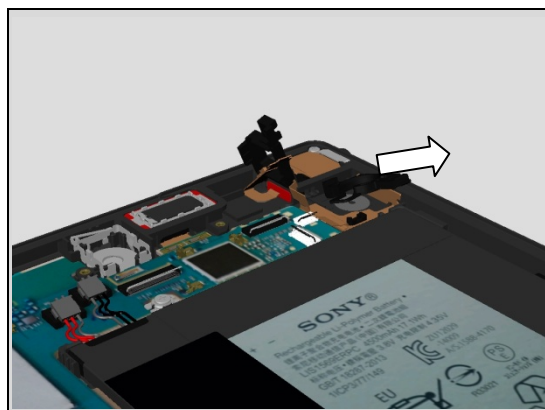
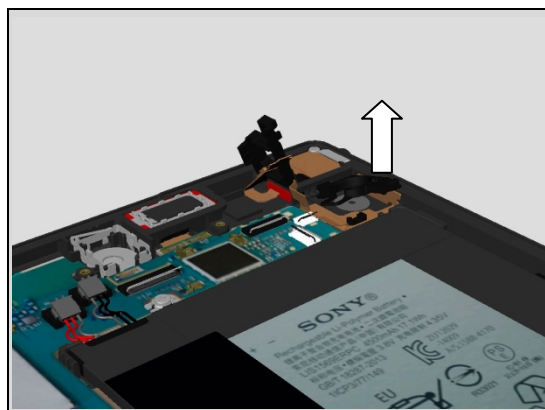


Detach the Vibrator from Holder Vibrator with a Front Opening Tool



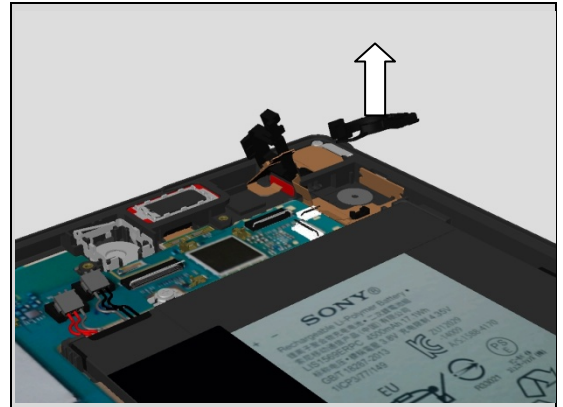
3.12 Holder Vibrator

Detach the Holder Vibrator with Front Opening Tool



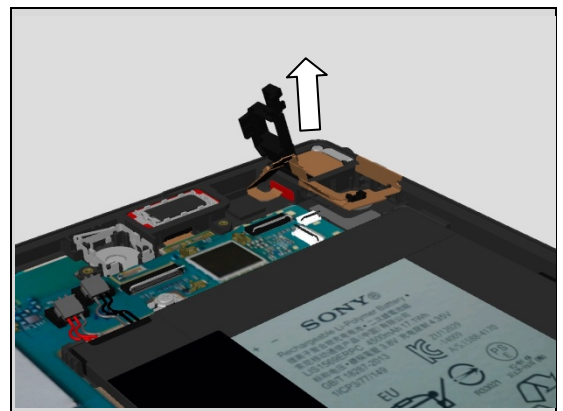
Disassembly

Remove the Holder Vibrator with fingers



3.13 FPC Top Flex module

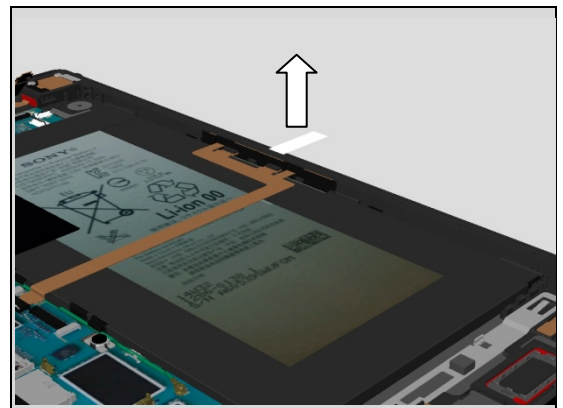
Remove the FPC Top Flex module with fingers



3.14 Sheet FPC Relay

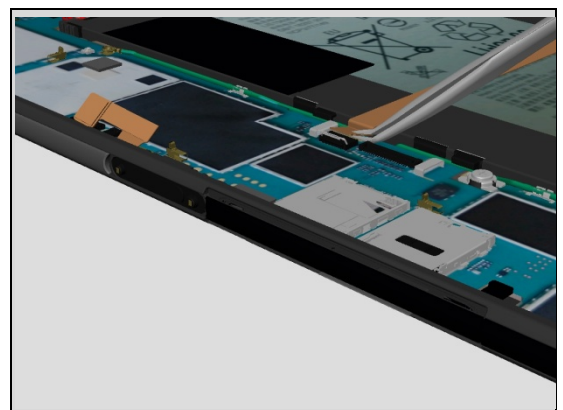
Remove the Sheet FPC Relay with a pair of tweezers.

Note! Carefully to not damage the battery



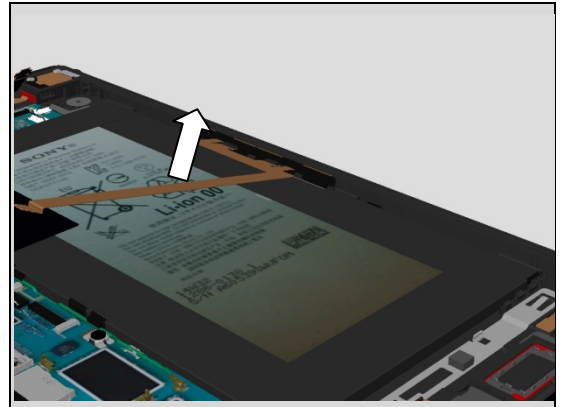
3.15 Frame Key + Key Flex module

Use Flex Film Assembly Tool to release FPC of Key Flex module

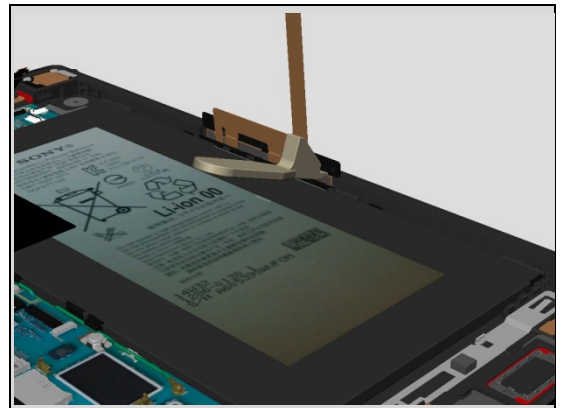


Disassembly

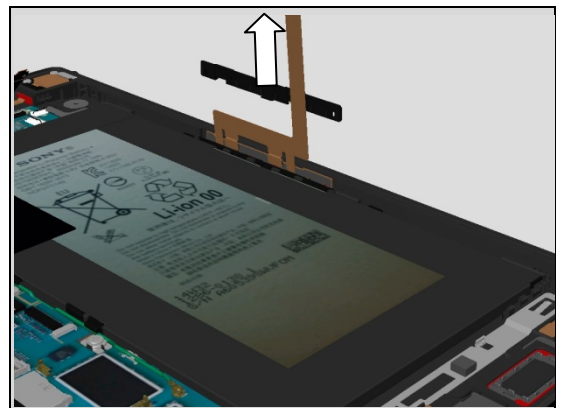
Lift up the FPC of Key Flex module



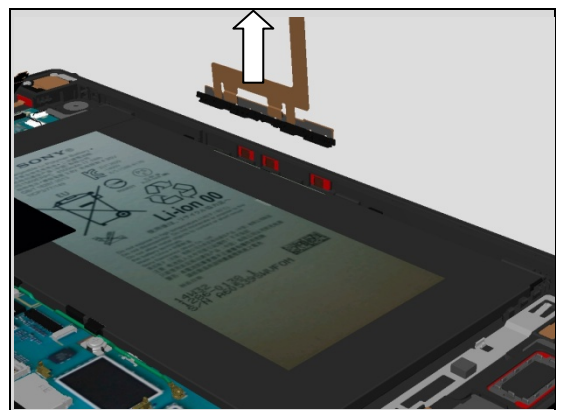
Use Front Opening Tool to detach the Frame Key



Remove the Frame Key with fingers



Remove the Key Flex module with fingers

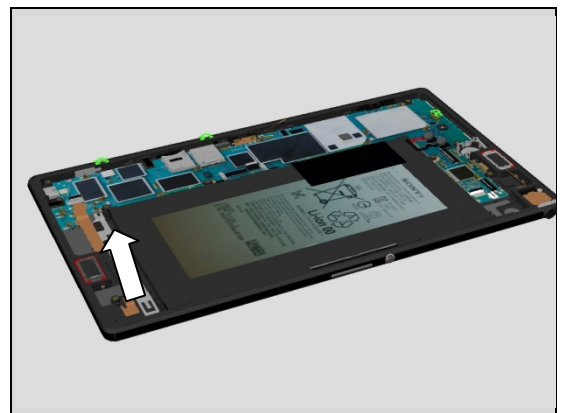
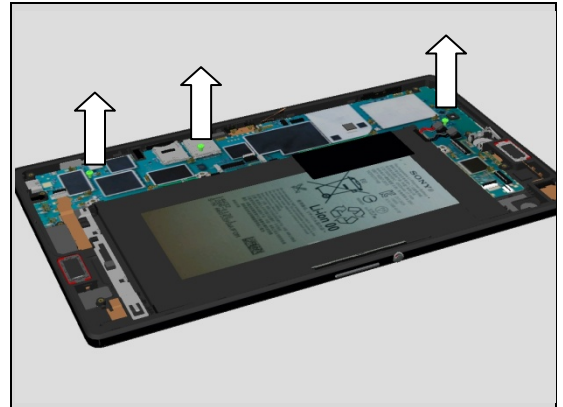


Disassembly

3.16 Plate Screw

Remove the Screw Other Len:1.6 Diam:1.4 M (EG)
using a screwdriver with Bits (JCIS No 0).

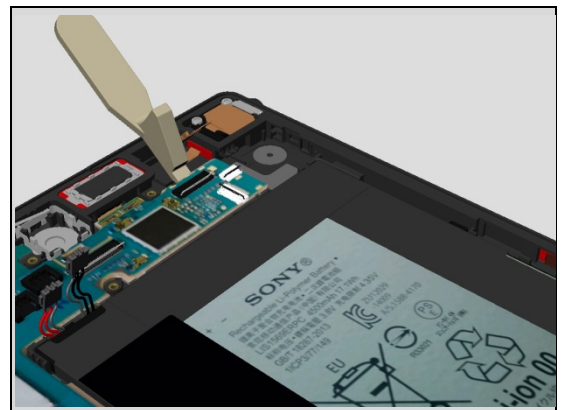
Remove the Plate Screw with a pair of tweezers



3.17 Main PBA

Detach the Main PBA

Note! Carefully, the Main PBA is attached with Adhesive Cushion PBA Main to the Main Cover underneath the connector area. See 4.25



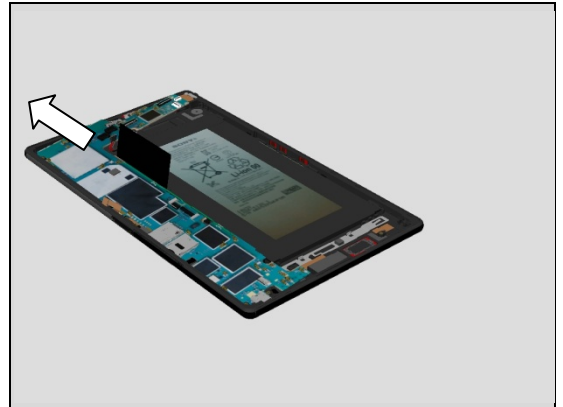
Detach the Sheet Graphite PBA from the Battery.

Note! Remove gently the Sheet Graphite. Reuse component if no damages

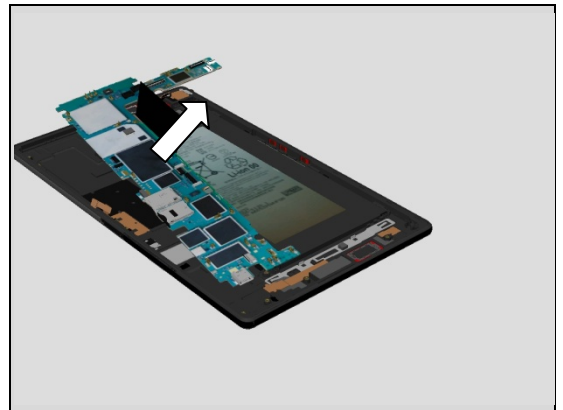


Disassembly

Lift up the Main PBA



Remove the Main PBA

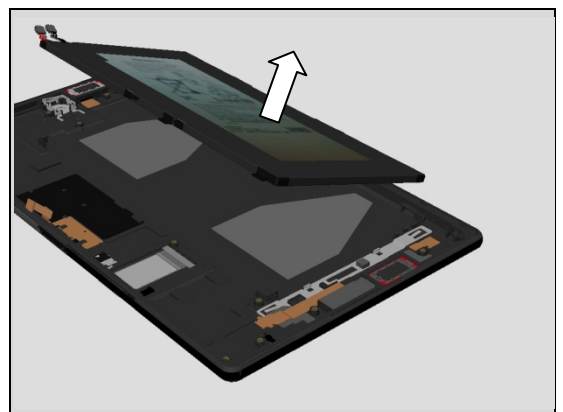


3.18 Battery

Insert the Battery Removal Tool and gently slide to the right



Detach and remove the Battery



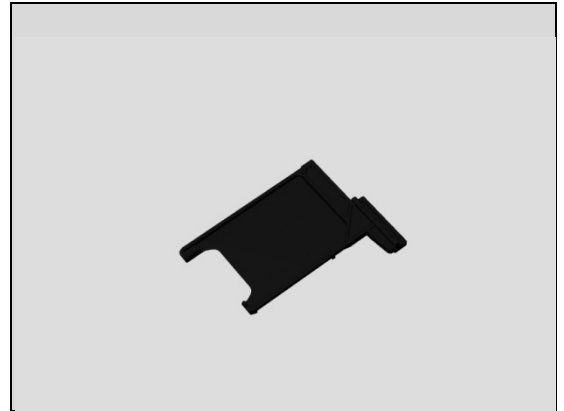
4 Replacement

4.1 Sim Tray nano

Follow the 3.1 Disassembly instructions!

Prepare the new Sim Tray nano.

Follow the 5.18 Reassembly instructions!



4.2 Display

Follow the 3.2 Disassembly instructions!

Prepare the new Display.

Follow the 4.31 Installation instructions!

Follow the 5.17 Reassembly instructions!



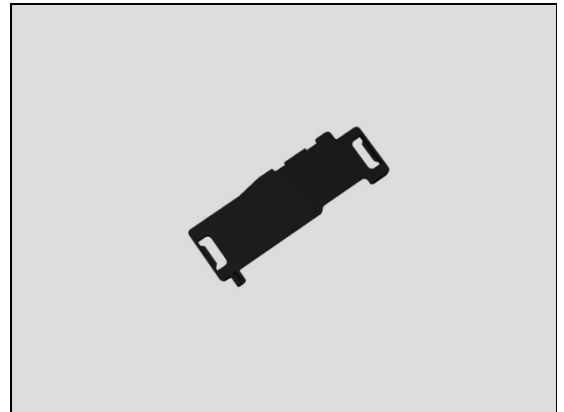
4.3 Holder LCD FPC BTB

Follow the 3.2 Disassembly instructions!

Prepare the new Holder LCD FPC BTB.

Follow the 4.31 Installation instructions!

Follow the 5.17 Reassembly instructions!

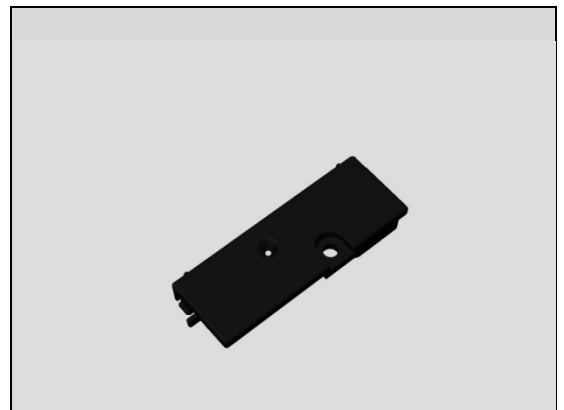


4.4 Antenna WLAN

Follow the 3.2 – 3.3 Disassembly instructions!

Prepare the new Antenna WLAN.

Follow the 5.16 - 5.17 Reassembly instructions!



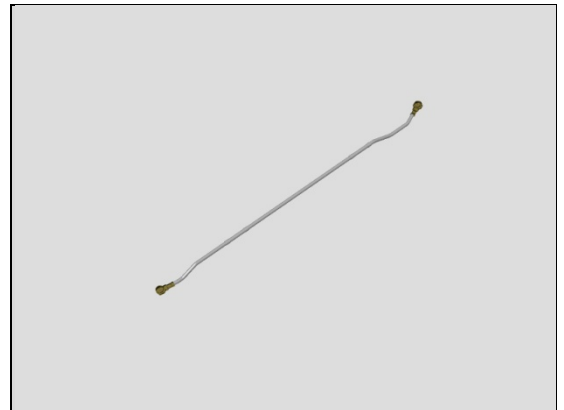
Replacement

4.5 RF Cable WLAN

Follow the 3.2 and 3.4 Disassembly instructions!

Prepare the new RF Cable WLAN.

Follow the 5.15 and 5.17 Reassembly instructions!

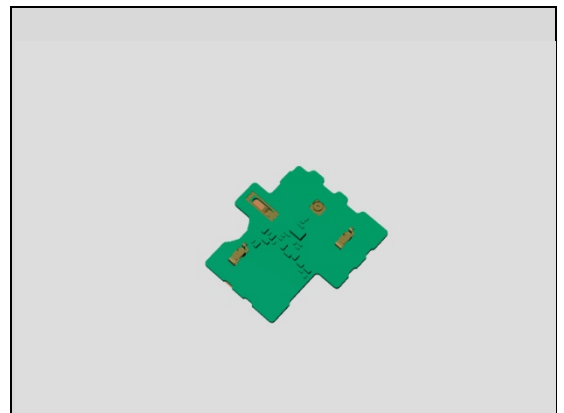


4.6 Sub PBA

Follow the 3.2 - 3.5 Disassembly instructions!

Prepare the new Sub PBA.

Follow the 5.15 - 5.17 Reassembly instructions!

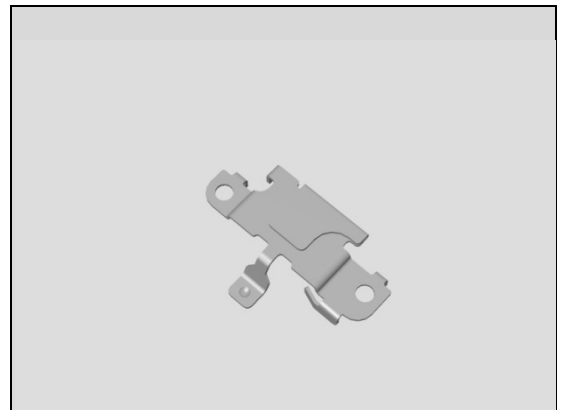


4.7 Plate USB

Follow the 3.2 and 3.6 Disassembly instructions!

Prepare the new Plate USB.

Follow the 5.13 and 5.17 Reassembly instructions!

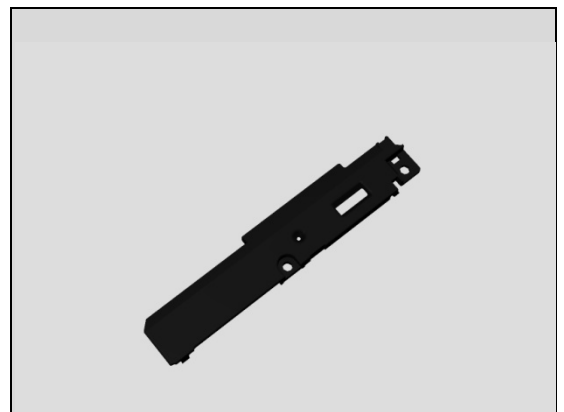


4.8 Antenna Diversity

Follow the 3.2 and 3.6 – 3.7 Disassembly instructions!

Prepare the new Antenna Diversity.

Follow the 5.12 – 5.13 and 5.17 Reassembly instructions!



Replacement

4.9 Antenna Main

Follow the 3.2 and 3.8 Disassembly instructions!

Prepare the new Antenna Main.

Follow 5.11 and 5.17 Reassembly instructions!



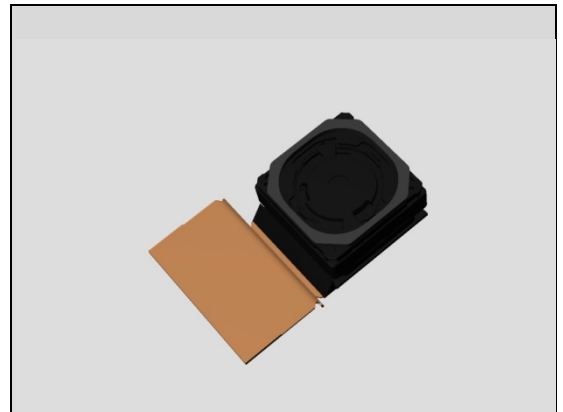
4.10 Main Camera

Follow the 3.2 and 3.9 Disassembly instructions!

Prepare the new Main Camera.

Follow the 4.38 Installation instructions!

Follow the 5.10 and 5.17 Reassembly instructions!

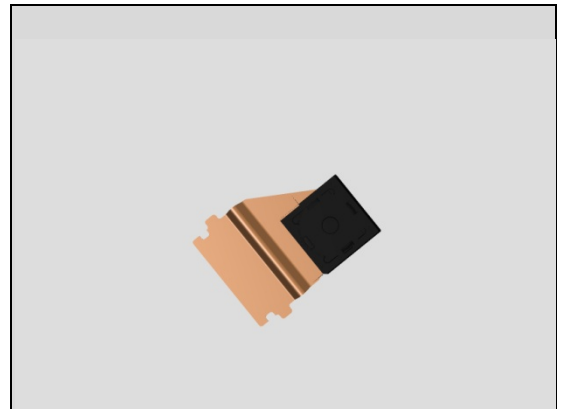


4.11 Chat Camera

Follow the 3.2 and 3.10 Disassembly instructions!

Prepare the new Chat Camera.

Follow the 5.9 and 5.17 Reassembly instructions!



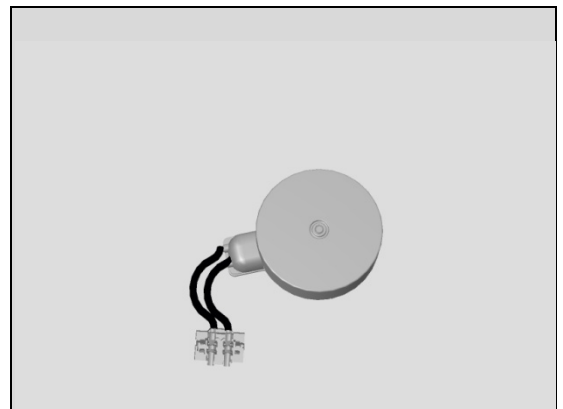
4.12 Vibrator

Follow the 3.2 and 3.11 Disassembly instructions!

Prepare the new Vibrator.

Follow the 4.30 and 4.67 Installation instructions!

Follow the 5.9 and 5.17 Reassembly instructions!



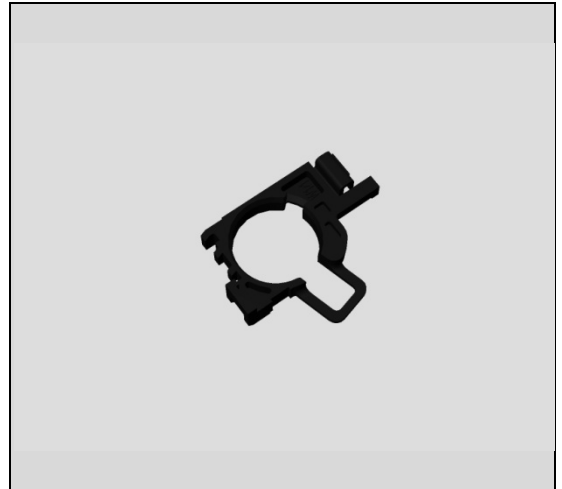
Replacement

4.13 Holder Vibrator

Follow the 3.2 and 3.11-3.12 Disassembly instructions!

Prepare the new Holder Vibrator.

Follow the 5.7-5.8 and 5.17 Reassembly instructions!

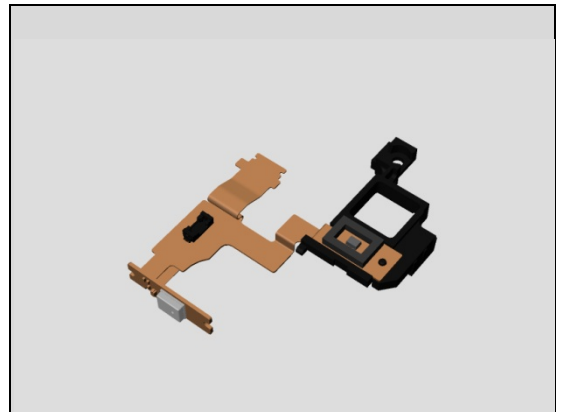


4.14 FPC Top Flex module

Follow the 3.2 and 3.11-3.13 Disassembly instructions!

Prepare the new FPC Top Flex module.

Follow the 5.6-5.8 and 5.17 Reassembly instructions!



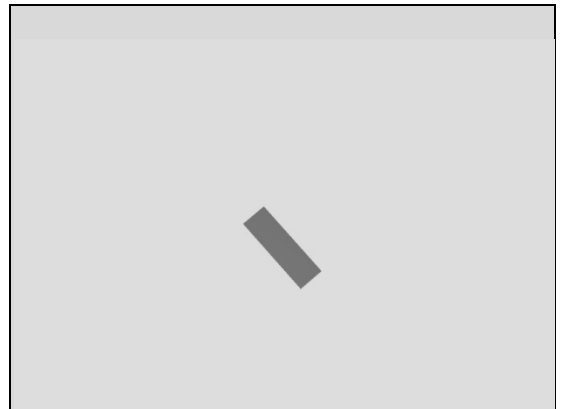
4.15 Sheet FPC Relay

Follow the 3.2 and 3.14 Disassembly instructions!

Prepare the new Sheet FPC Relay.

Follow the 5.5 and 5.17 Reassembly instructions!

Scrap! Not to be reused!

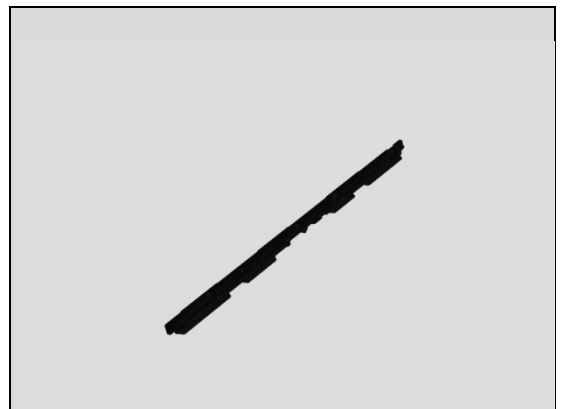


4.16 Frame Key

Follow the 3.2 and 3.14-3.15 Disassembly instructions!

Prepare the new Frame Key.

Follow the 5.4-5.5 and 5.17 Reassembly instructions!



Replacement

4.17 Key Flex module

Follow the 3.2 and 3.14-3.15 Disassembly instructions!

Prepare the new Key Flex module.

Follow the 4.45 Installation instructions!

Follow the 5.4-5.5 and 5.17 Reassembly instructions!

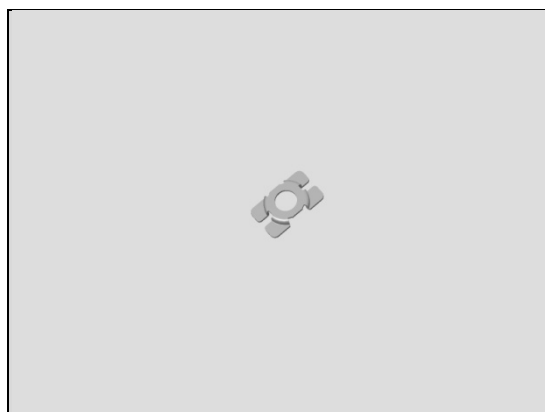


4.18 Plate Screw

Follow the 3.2 and 3.16 Disassembly instructions!

Prepare the new Plate Screw.

Follow the 5.3 and 5.17 Reassembly instructions!



4.19 Main PBA

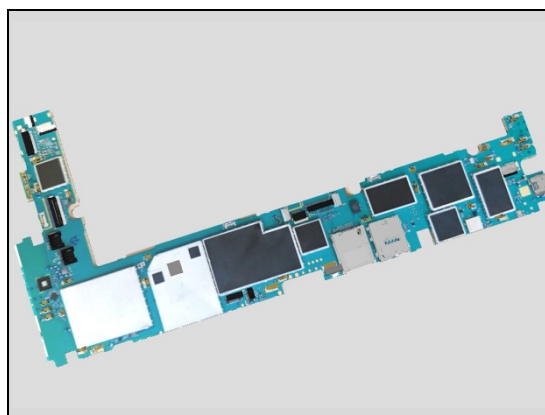
Follow the 3.2 – 3.10 and 3.15 - 3.17 Disassembly instructions!

Follow the 4.61 and 4.65 Removal instructions!

Prepare the new Main PBA.

Follow the 4.39, 4.61, 4.65 and 4.73 Installation instructions!

Follow the 5.2-5.4 and 5.9 – 5.17 Reassembly instructions!



4.20 Battery

Follow the 3.2 – 3.10 and 3.15 - 3.18 Disassembly instructions!

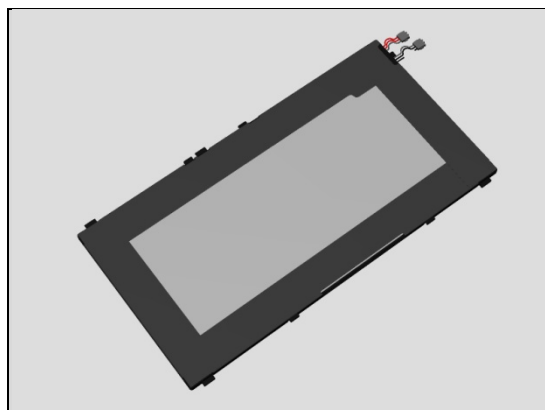
Follow the 4.22 and 4.23 Removal instructions!

Prepare the new Battery.

Follow the 4.22 and 4.23 Installation instructions!

Follow the 5.1-5.4 and 5.10 – 5.17 Reassembly instructions!

Visual inspect the Battery!



Replacement

4.21 Adhesive Audio Jack

Follow the 3.2 Disassembly instructions!

Follow the 4.42 Removal instructions!

Carry out the Removal as described below.

Prepare the new Adhesive Audio Jack.

Carry out the Installation as described below.

Follow the 4.42 Installation instructions!

Follow the 5.17 Reassembly instructions!

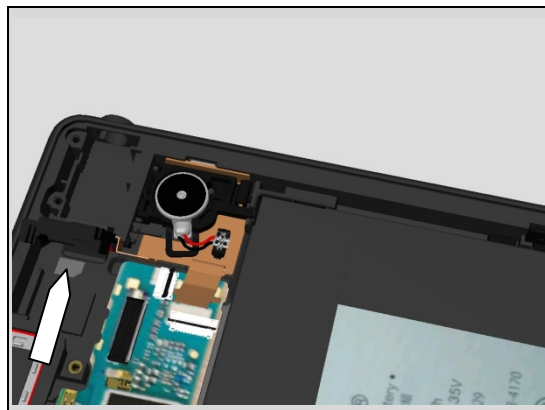
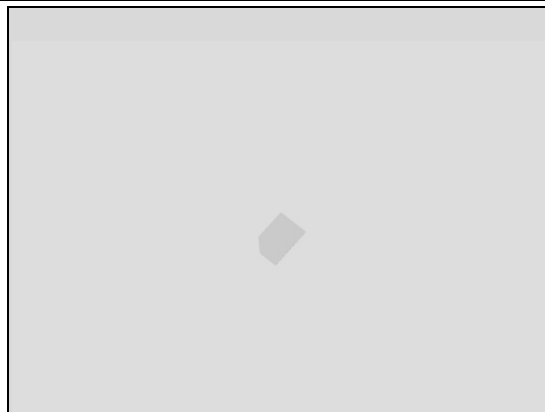
REMOVAL

Detach to remove the Adhesive Audio Jack with Dentist Hook

Scrap! Not to be reused!

INSTALLATION

Place a new Adhesive Audio Jack on the Main Cover using a Flex Film Assembly Tool.



Replacement

4.22 Adhesive Battery

Follow the 3.2 – 3.10 and 3.15 - 3.18 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Adhesive Battery.

Carry out the Installation as described below.

Follow the 5.1-5.4 and 5.10 – 5.17 Reassembly instructions

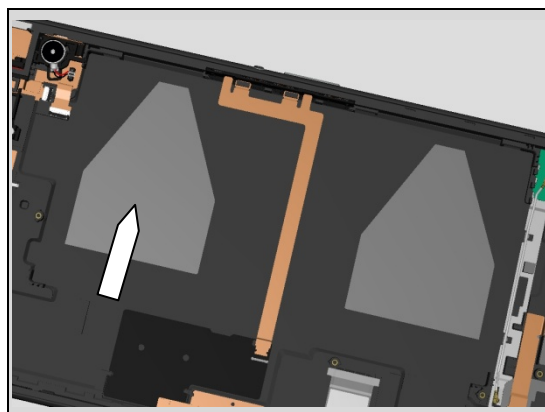
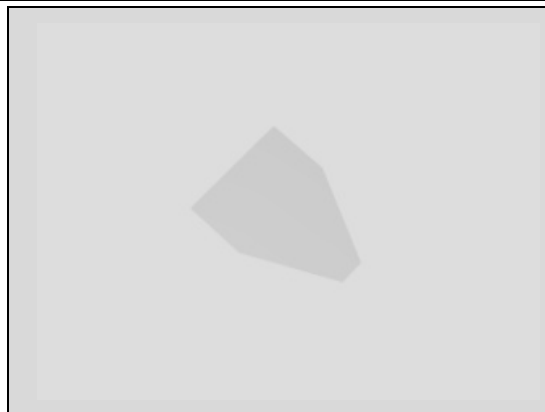
REMOVAL

Detach to remove the Adhesive Battery with fingers

Scrap! Not to be reused!

INSTALLATION

Place a new Adhesive Battery on the Main Cover using fingers.



Replacement

4.23 Adhesive Battery Bottom

Follow the 3.2 – 3.10 and 3.15 - 3.18 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Adhesive Battery Bottom.

Carry out the Installation as described below.

Follow the 5.1-5.4 and 5.10 – 5.17 Reassembly instructions!

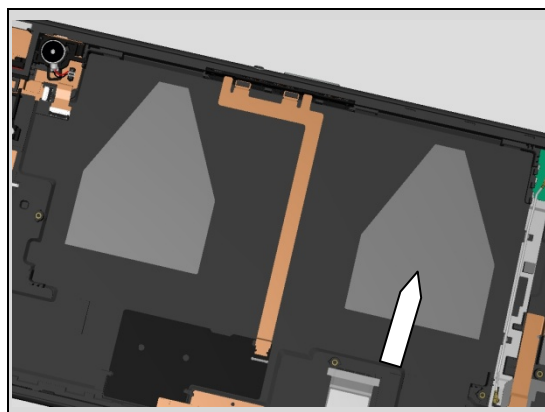
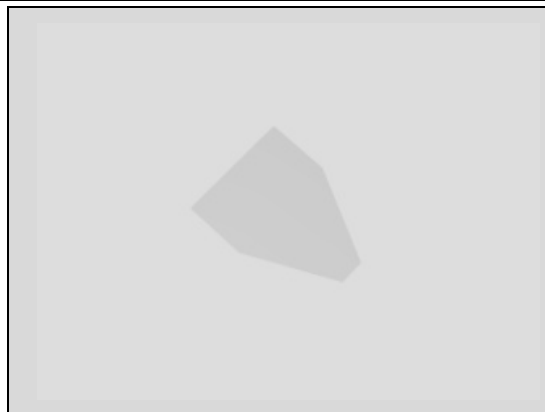
REMOVAL

Detach to remove the Adhesive Battery Bottom with fingers

Scrap! Not to be reused!

INSTALLATION

Place a new Adhesive Battery Bottom on the Main Cover using fingers.



Replacement:

4.24 Adhesive Bottom SPK FPC

Follow the 3.2 and 3.6-3.7 Disassembly instructions!

Follow the 4.47 and 4.41 Removal instructions!

Carry out the Removal as described below.

Prepare the new Adhesive Bottom SPK FPC.

Carry out the Installation as described below.

Follow the 4.41 and 4.47 Installation instructions!

Follow the 5.12-5.13 and 5.17 Reassembly instructions!

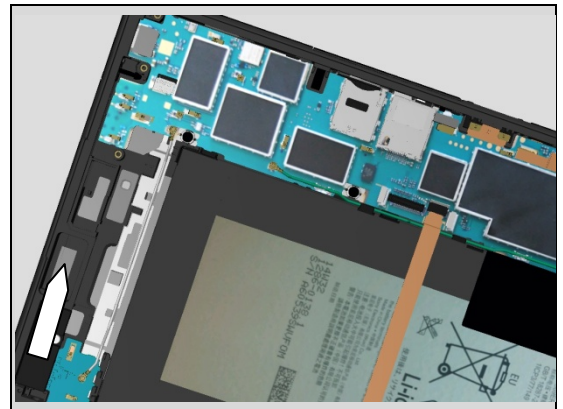
REMOVAL

Detach to remove the Adhesive Bottom SPK FPC with Dentist Hook

Scrap! Not to be reused!

INSTALLATION

Place a new Adhesive Bottom SPK FPC on the Main Cover using a Flex Film Assembly Tool.



Replacement

4.25 Adhesive Cushion PBA Main

Follow the 3.2 – 3.10 and 3.15 - 3.17 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Adhesive Cushion PBA Main.

Carry out the Installation as described below.

Follow the 5.2-5.4 and 5.9 – 5.17 Reassembly instructions!

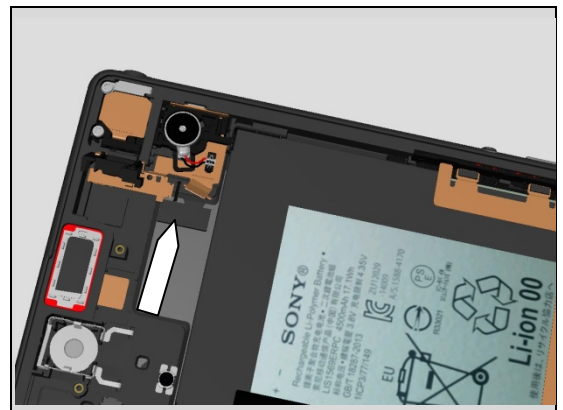
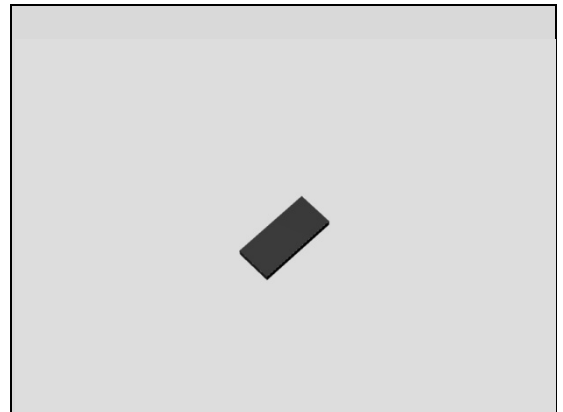
REMOVAL

Detach to remove the Adhesive Cushion PBA Main with Dentist Hook

Scrap! Not to be reused!

INSTALLATION

Place a new Adhesive Cushion PBA Main on the Main Cover using a Flex Film Assembly Tool.



Replacement

4.26 Adhesive FPC Bottom

Follow the 3.2 and 3.6-3.7 Disassembly instructions!

Follow the 4.47 and 4.41 Removal instructions!

Carry out the Removal as described below.

Prepare the new Adhesive FPC Bottom.

Carry out the Installation as described below.

Follow the 4.41 and 4.47 Installation instructions!

Follow the 5.12-5.13 and 5.17 Reassembly instructions!

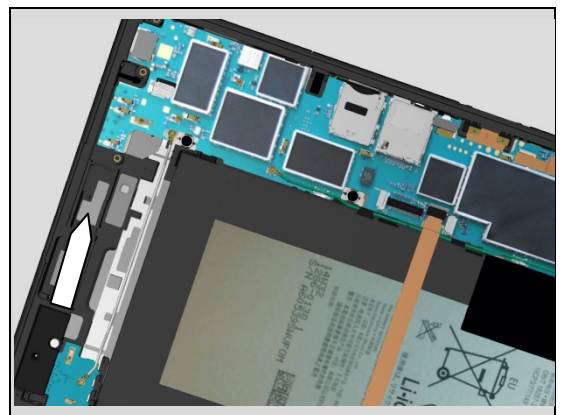
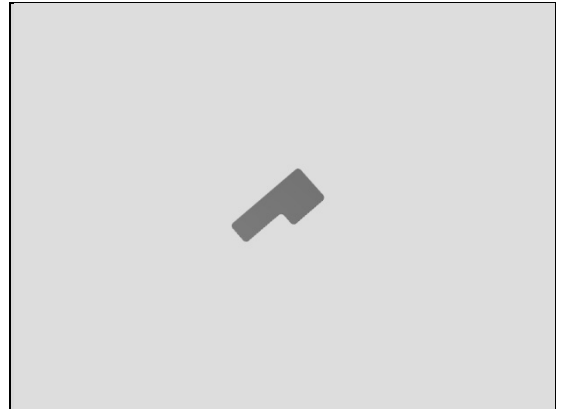
REMOVAL

Detach to remove the Adhesive FPC Bottom with Dentist Hook

Scrap! Not to be reused!

INSTALLATION

Place a new Adhesive FPC Bottom on the Main Cover using a Flex Film Assembly Tool.



Replacement

4.27 Adhesive FPC SPK

Follow the 3.2 Disassembly instructions!

Follow the 4.47 Removal instructions!

Carry out the Removal as described below.

Prepare the new Adhesive FPC SPK.

Carry out the Installation as described below.

Follow the 4.47 Installation instructions!

Follow the 5.17 Reassembly instructions!

REMOVAL

Detach to remove the Adhesive FPC SPK with Flex Film Assembly Tool

Scrap! Not to be reused!

INSTALLATION

Place a new Adhesive FPC SPK on the FPC Top Spk Flex using a Flex Film Assembly Tool.

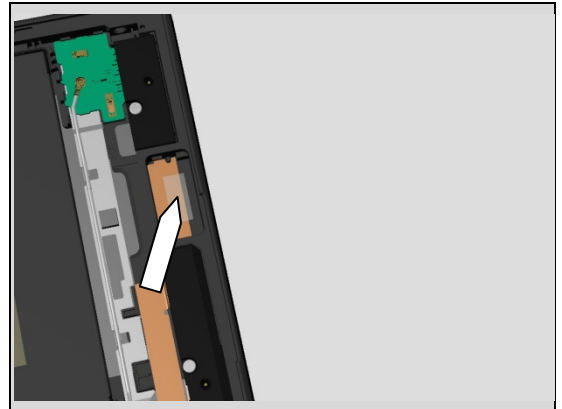
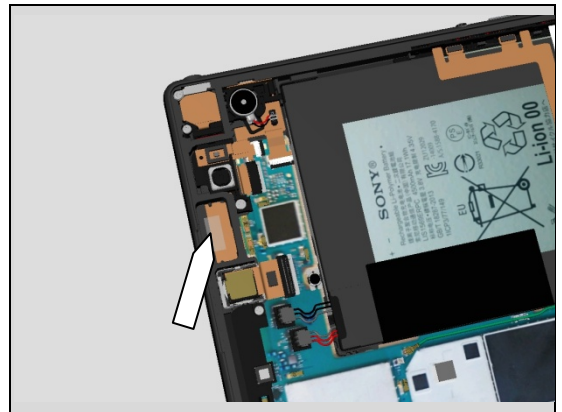
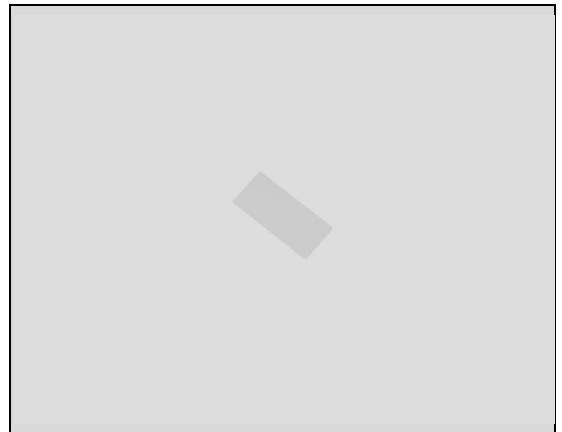
REMOVAL

Detach to remove the Adhesive FPC SPK with Flex Film Assembly Tool

Scrap! Not to be reused!

INSTALLATION

Place a new Adhesive FPC SPK on the FPC Bottom Spk Flex using a Flex Film Assembly Tool.



Replacement

4.28 Adhesive FPC Top

Follow the 3.2 and 3.11-3.12 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Adhesive FPC Top.

Carry out the Installation as described below.

Follow the 5.7 – 5.8 and 5.17 Reassembly instructions!

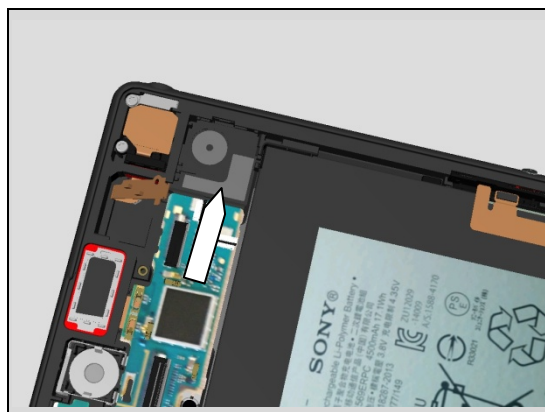
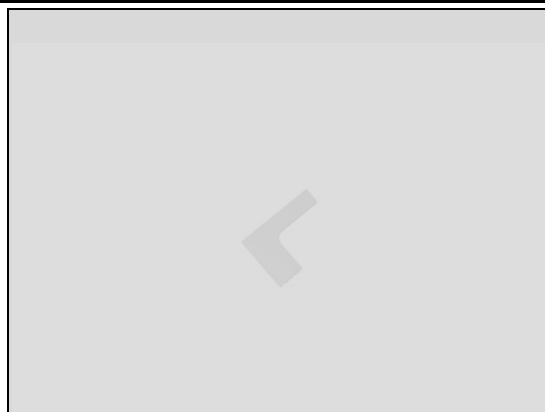
REMOVAL

Detach to remove the Adhesive FPC Top with Dentist Hook

Scrap! Not to be reused!

INSTALLATION

Place a new Adhesive FPC Top on the Main Cover using a Flex Film Assembly Tool.



Replacement

4.29 Adhesive Top SPK FPC

Follow the 3.2 – 3.10 and 3.15 - 3.17 Disassembly instructions!

Follow the 4.47 and 4.44 Removal instructions!

Carry out the Removal as described below.

Prepare the new Adhesive Top SPK FPC.

Carry out the Installation as described below.

Follow the 4.44 and 4.47 Installation instructions!

Follow the 5.2-5.4 and 5.9 – 5.17 Reassembly instructions!

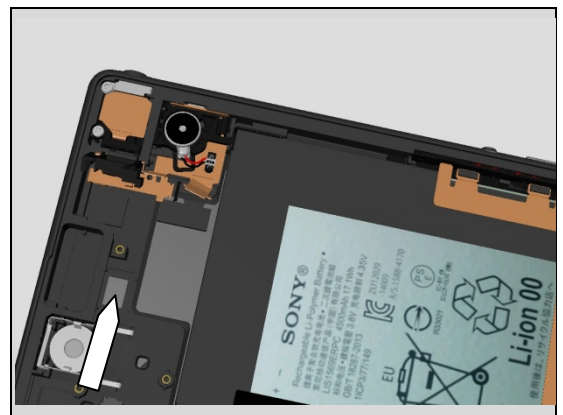
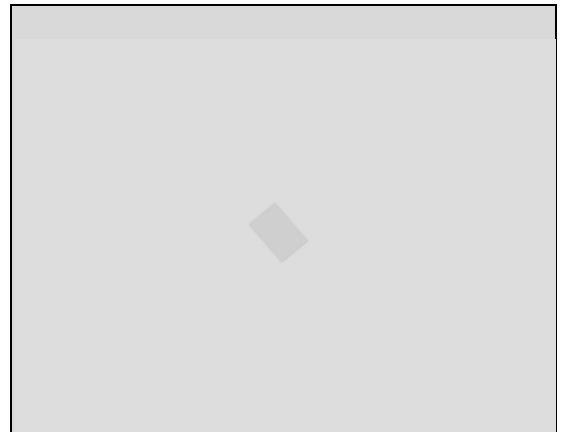
REMOVAL

Detach to remove the Adhesive Top SPK FPC with Dentist Hook

Scrap! Not to be reused!

INSTALLATION

Place a new Adhesive Top SPK FPC on the Main Cover using a Flex Film Assembly Tool.



Replacement

4.30 Adhesive Vibrator

Follow the 3.2 and 3.11 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Adhesive Vibrator.

Carry out the Installation as described below.

Follow the 5.8 and 5.17 Reassembly instructions!

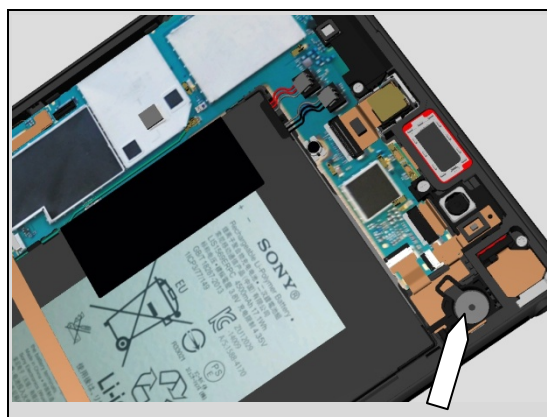
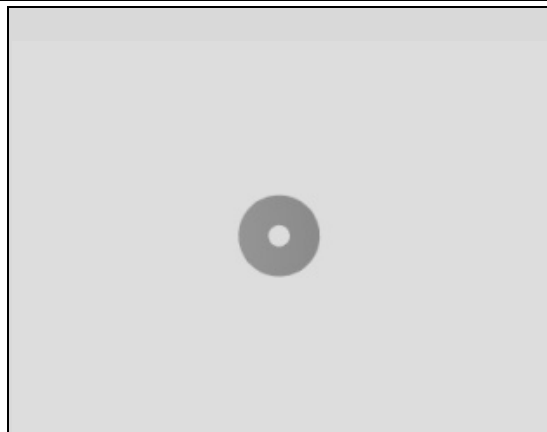
REMOVAL

Detach to remove the Adhesive Vibrator with Flex Film Assembly Tool.

Scrap! Not to be reused!

INSTALLATION

Place a new Adhesive Vibrator on the Main Cover using a Flex Film Assembly Tool.



Replacement

4.31 Adhesive WP Display

Follow the 3.2 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Adhesive WP Display.

Carry out the Installation as described below.

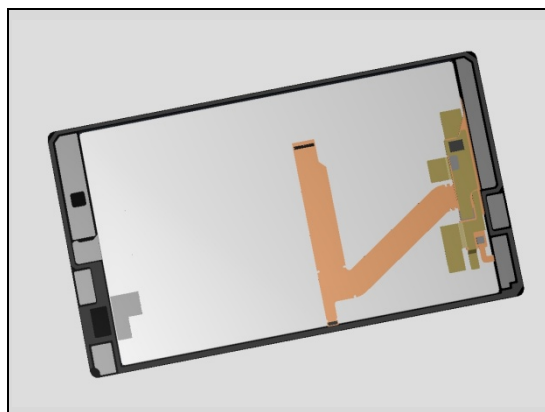
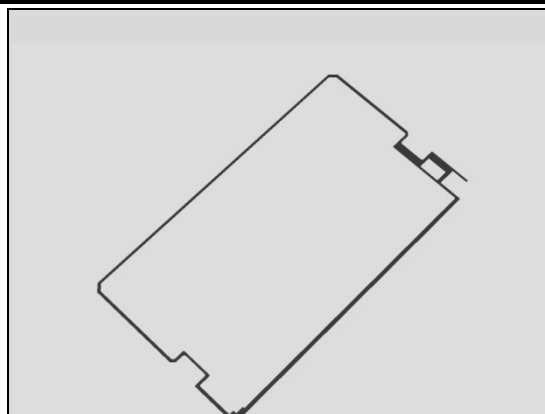
Follow the 5.17 Reassembly instructions!

REMOVAL

Detach to remove the Adhesive WP Display fingers

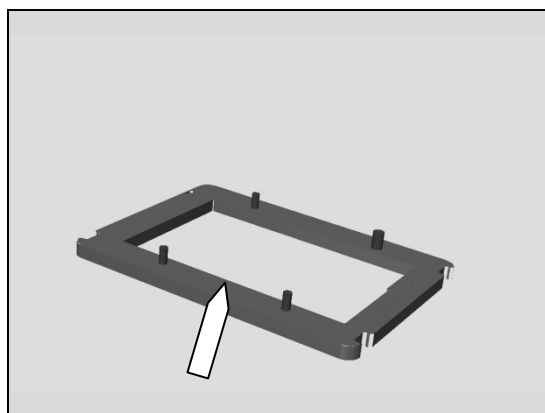
Note! Remove all leftover adhesive from Display glass. Clean and inspect the adhesive area carefully. WR performance is highly dependent of this operation

Scrap! Not to be reused!

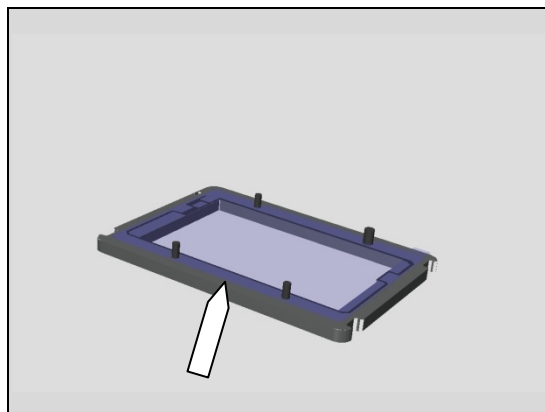


INSTALLATION

Take the Bottom of Display Adhesive alignment Fixture.

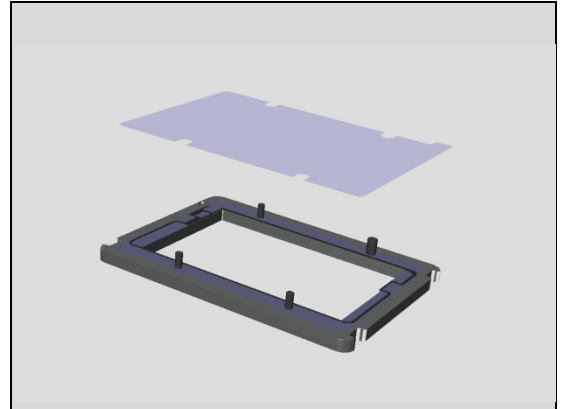


Attach the Adhesive WP Display to the Display Adhesive alignment Fixture.

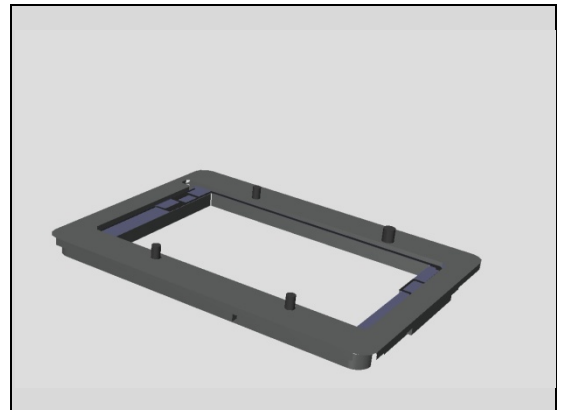


Replacement

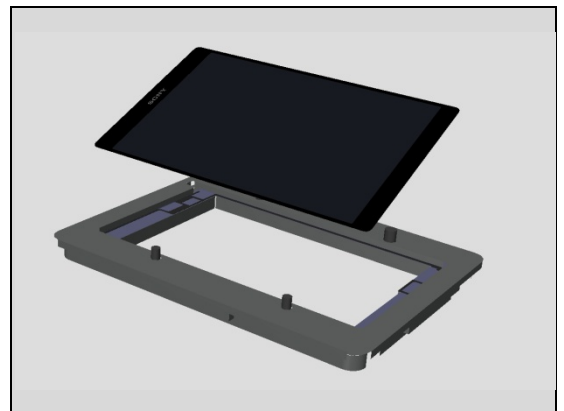
Remove carrier



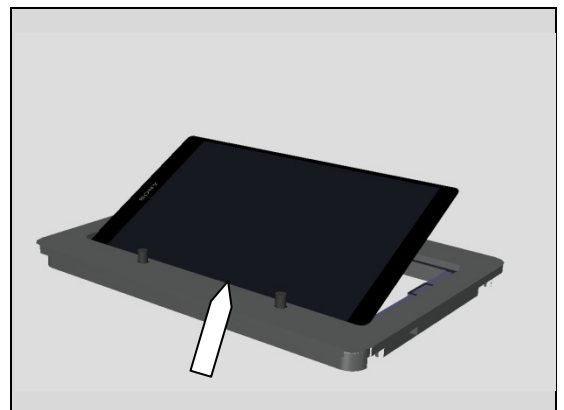
Place the Top of Display Adhesive alignment Fixture.



Place the unit in the fixture

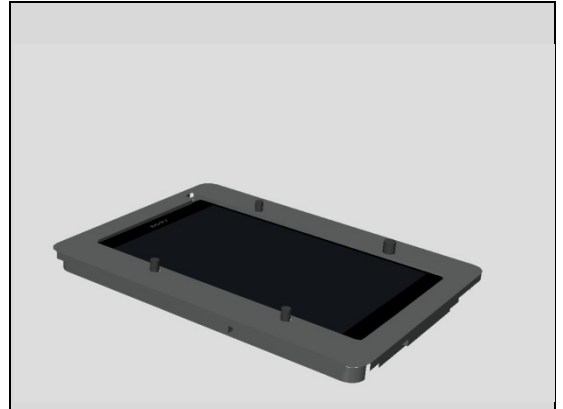


With the left side first



Replacement

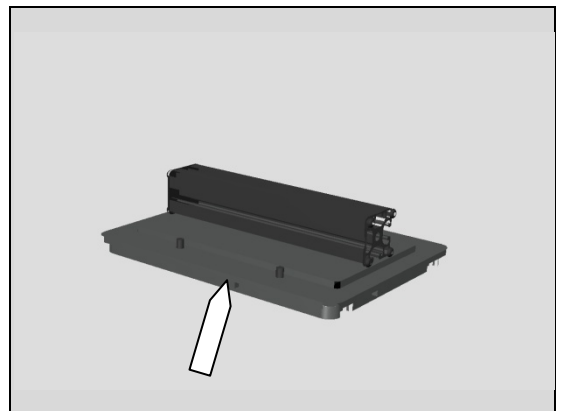
Then fold down the unit



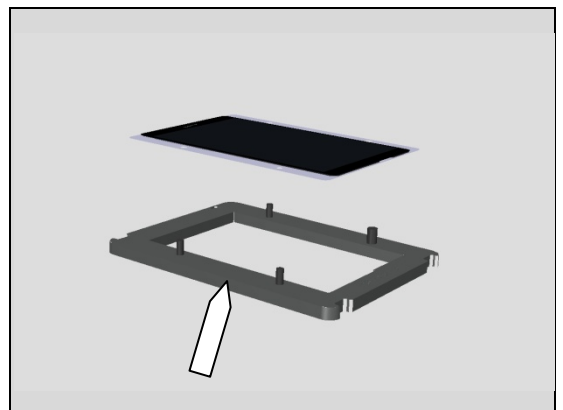
Start to press the Display.



Press for 10sec

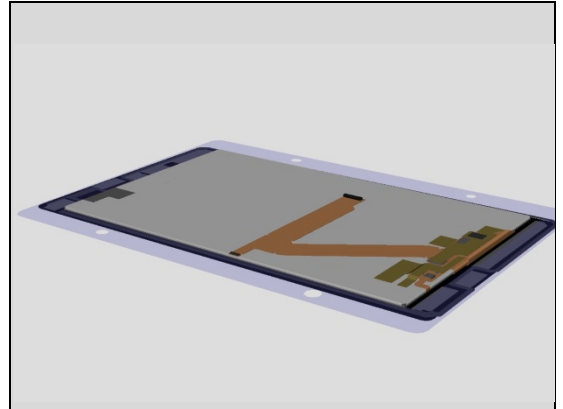


Lift up the Display

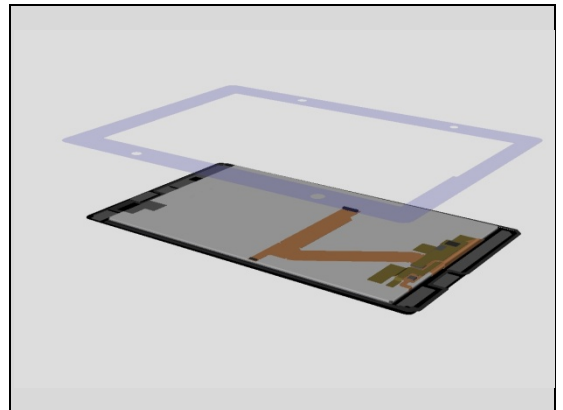


Replacement

Verify the Adhesive WP Display around the Display



Remove the carrier before assembly the Display to Main Cover.



Replacement

4.32 Antenna GPS

Follow the 3.2 – 3.10 and 3.15 - 3.17 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Antenna GPS.

Carry out the Installation as described below.

Follow the 5.2-5.4 and 5.9 – 5.17 Reassembly instructions!

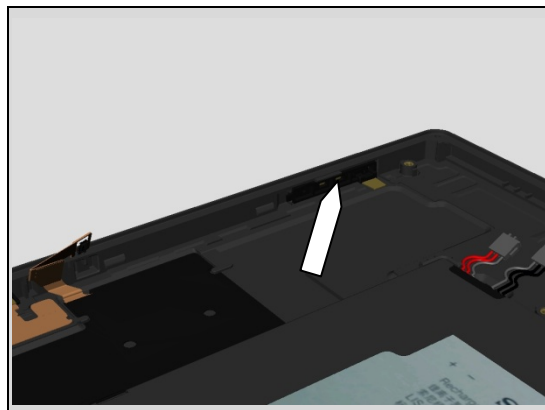


REMOVAL

Remove the Antenna GPS with a pair of tweezers.

INSTALLATION

Place a new Antenna GPS on Main Cover using a pair of tweezers.



Replacement

4.33 Antenna NFC

Follow the 3.2 – 3.10 and 3.15 - 3.17 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Antenna NFC.

Carry out the Installation as described below.

Follow the 5.2-5.4 and 5.9 – 5.17 Reassembly instructions!

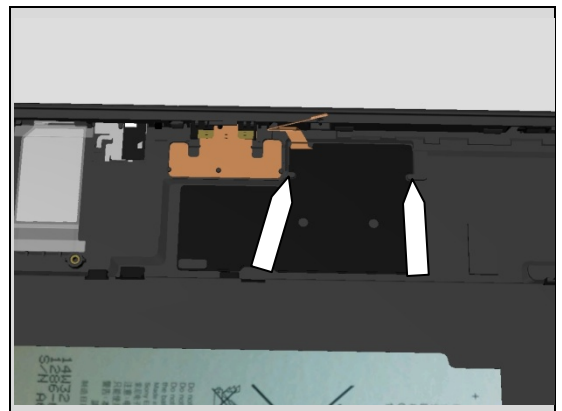
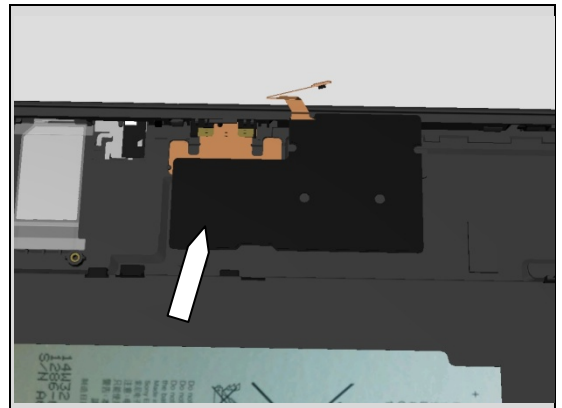
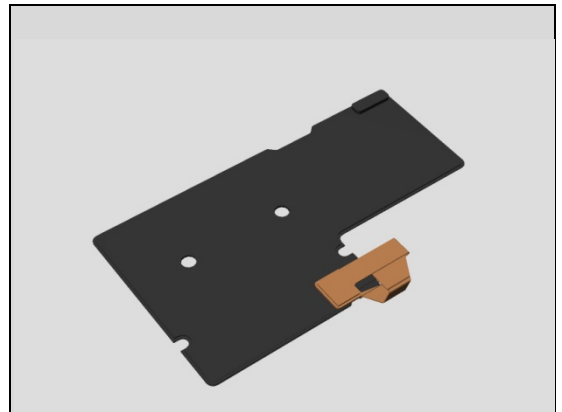
REMOVAL

Detach to remove the Antenna NFC with a Guitar Pick.

Scrap! Not to be reused!

INSTALLATION

Place a new Antenna NFC according to guiding on the Main Cover using a Flex Film Assembly Tool. Then press it by hand for 10sec.



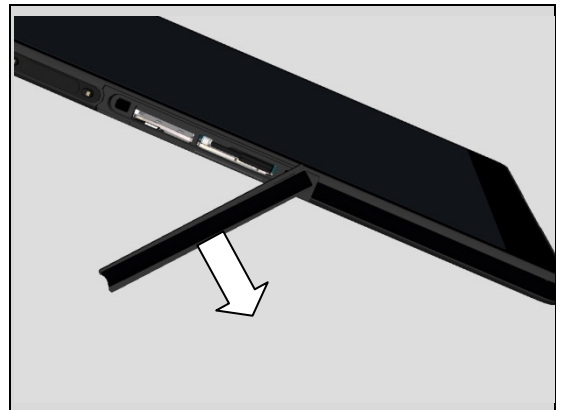
Replacement

4.34 Cap SIM

Carry out the Removal as described below.
Prepare the new Cap SIM.
Carry out the Installation as described below.

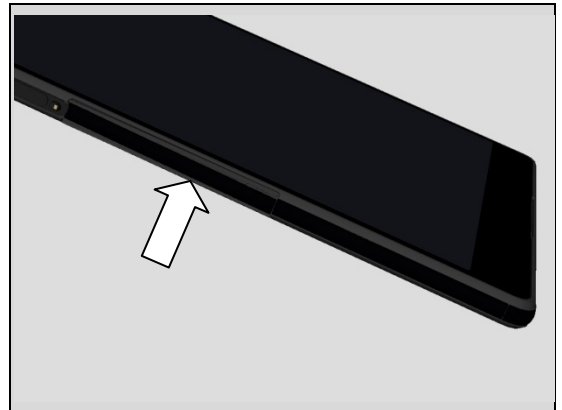
REMOVAL

Detach to remove the Cap SIM with fingers.



INSTALLATION

Place a new Cap SIM with fingers and a pair of tweezers



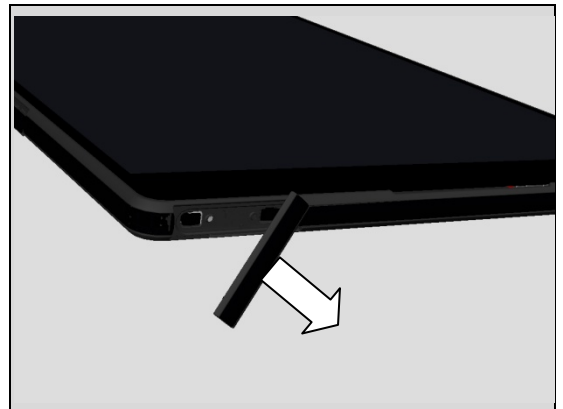
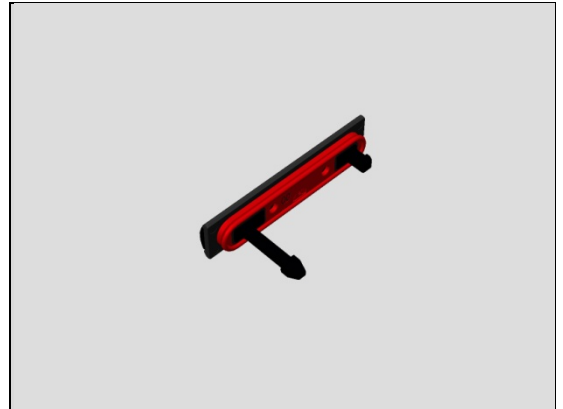
Replacement:

4.35 Cap USB

Carry out the Removal as described below.
Prepare the new Cap USB.
Carry out the Installation as described below.

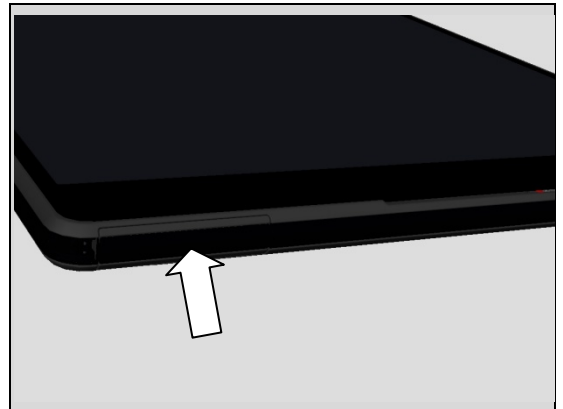
REMOVAL

Detach to remove the Cap USB with fingers



INSTALLATION

Place a new Cap USB with fingers and a pair of tweezers



Replacement

4.36 Charger Flex module

Follow the 3.2 – 3.10 and 3.15 - 3.17 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Charger Flex module.

Carry out the Installation as described below.

Follow the 5.2-5.4 and 5.9 – 5.17 Reassembly instructions!

REMOVAL

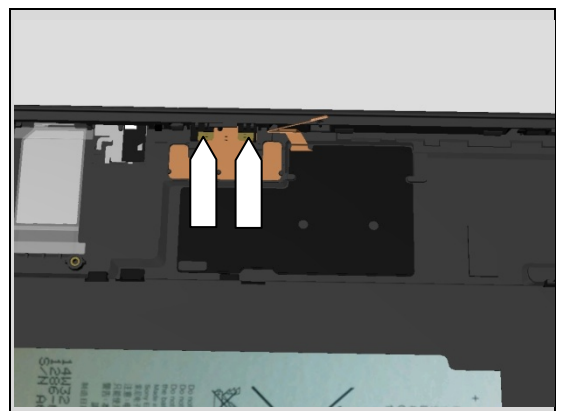
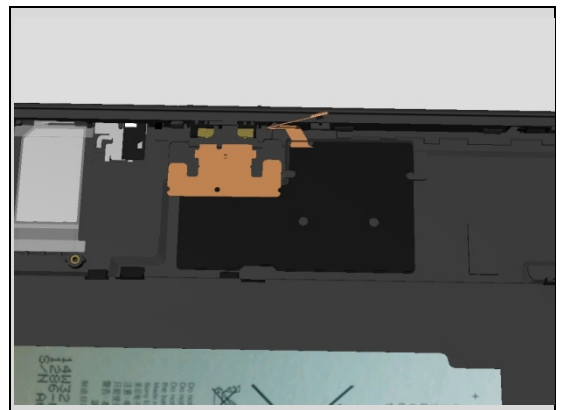
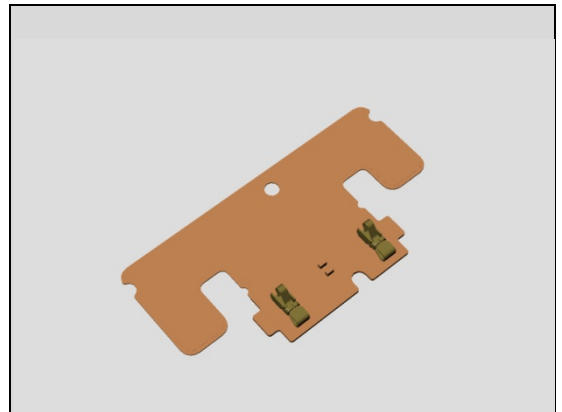
Detach to remove the Charger Flex module with Front Opening Tool

Scrap! Not to be reused!

INSTALLATION

Position the new Charger Flex module with fingers

Be careful! Do not damage the two pins on Charger Flex module and pads on Magnetic charger connector.



Replacement:

4.37 Core Unit Label

Carry out the Removal as described below.

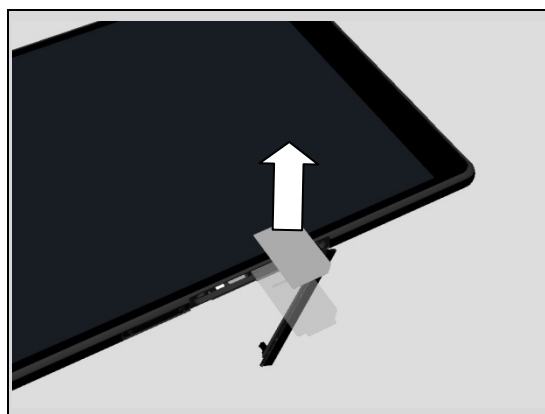
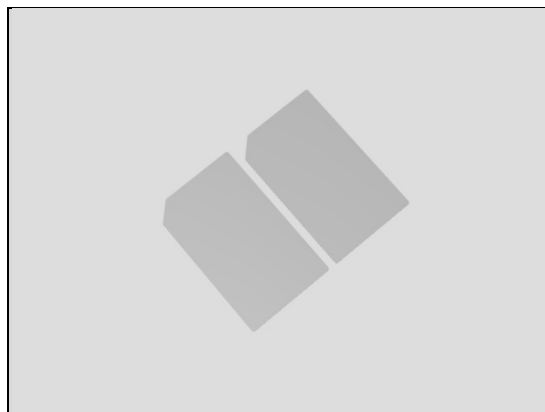
Prepare the new Core Unit Label.

Carry out the Installation as described below.

REMOVAL

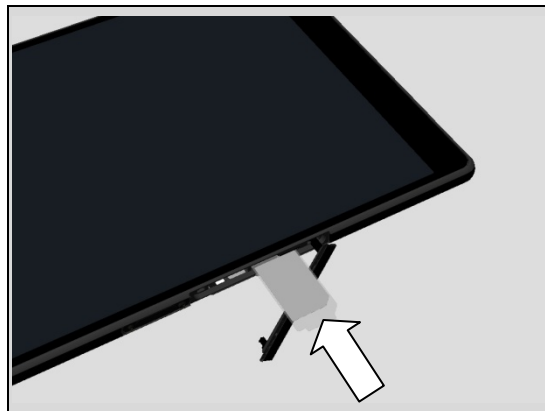
Open Cap SD and pull out the Sheet MoP. Then remove the Core Unit Label with fingers.

Scrap! Not to be reused!



INSTALLATION

Attach new Core Unit Label with fingers and close Cap SD.



Replacement:

4.38 Cushion FPC Main Cam

Follow the 3.2 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Cushion FPC Main Cam.

Carry out the Installation as described below.

Follow the 5.17 Reassembly instructions!

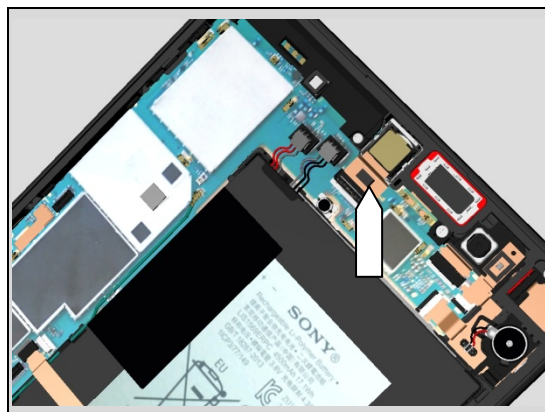
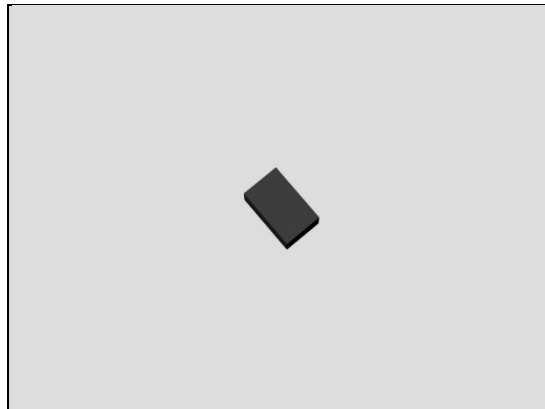
REMOVAL

Detach to remove the Cushion FPC Main Cam with the Flex Film Assembly Tool.

Scrap! Not to be reused!

INSTALLATION

Place a new Cushion FPC Main Cam on the Main Camera using a Flex Film Assembly Tool.



Replacement:

4.39 Cushion LED

Follow the 3.2 and 3.8 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Cushion LED.

Carry out the Installation as described below.

Follow the 5.11 and 5.17 Reassembly instructions!

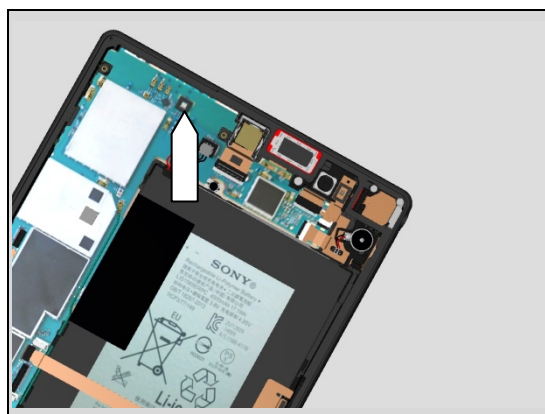
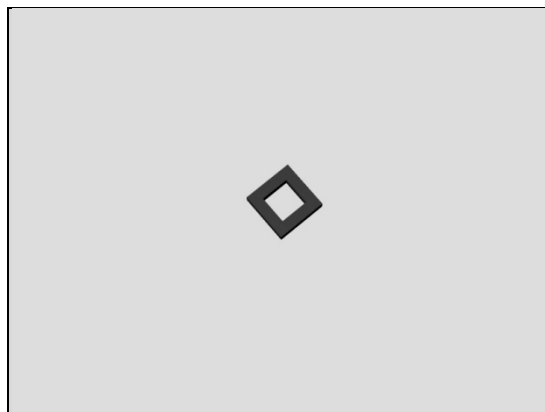
REMOVAL

Detach to remove the Cushion LED with the Flex Film Assembly Tool

Scrap! Not to be reused!

INSTALLATION

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



Replacement

4.40 Frame SIM (Only SGP611, 612)

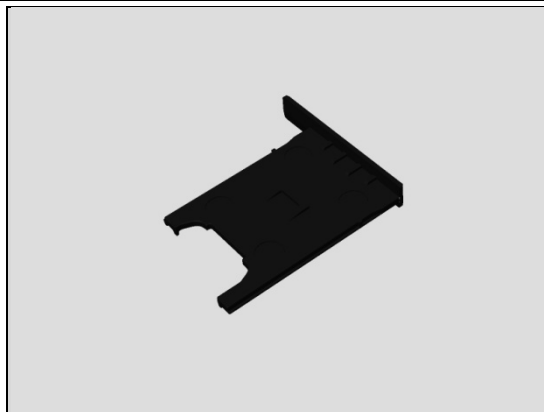
Follow the 3.2 – 3.10 and 3.15 - 3.17 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Frame SIM.

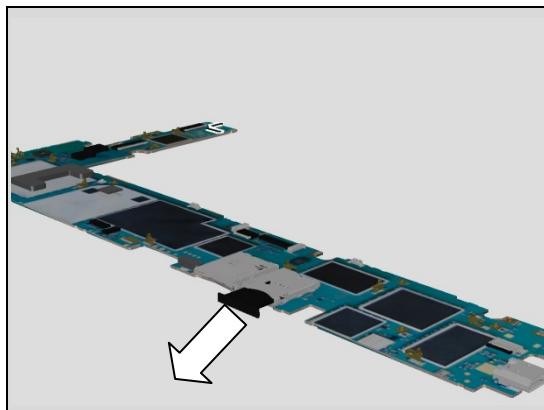
Carry out the Installation as described below.

Follow the 5.2-5.4 and 5.9 – 5.17 Reassembly instructions!



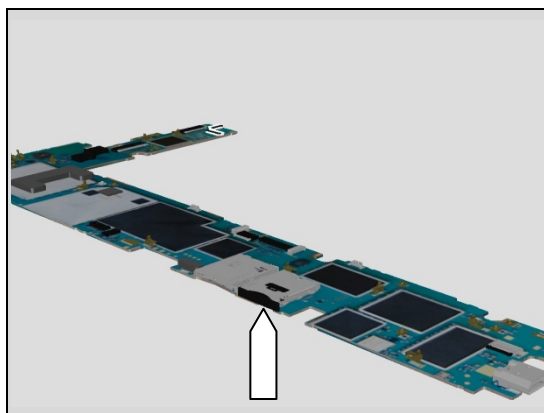
REMOVAL

Remove Frame SIM with fingers.



INSTALLATION

Install new Frame SIM with fingers.



Replacement:

4.41 FPC Bottom Spk Flex

Follow the 3.2 and 3.6-3.7 Disassembly instructions!

Follow the 4.47 Removal instructions!

Carry out the Removal as described below.

Prepare the new FPC Bottom Spk Flex.

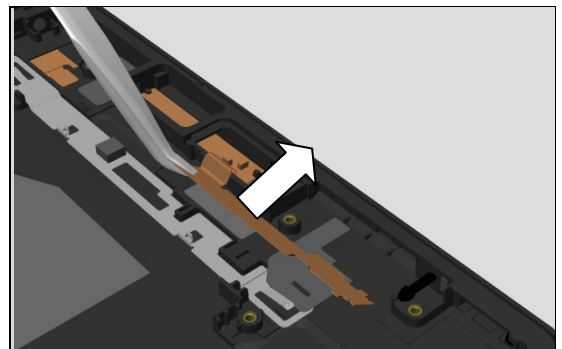
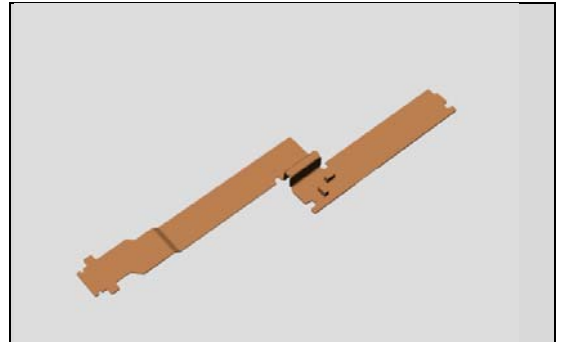
Carry out the Installation as described below.

Follow the 4.47 Installation instructions!

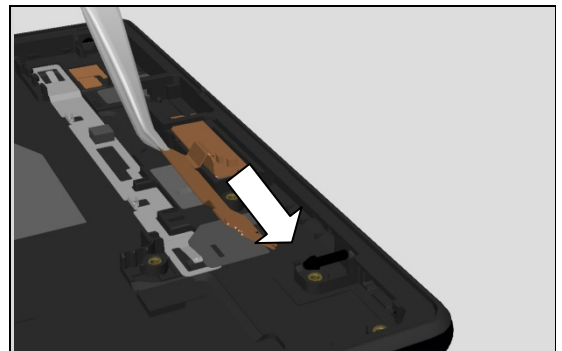
Follow the 5.12-5.13 and 5.17 Reassembly instructions!

REMOVAL

Detach to fold up the FPC Bottom Spk Flex with the Flex Film Assembly Tool.

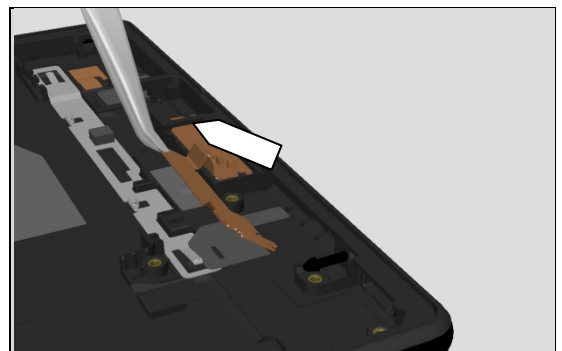


Detach to remove FPC Bottom Spk Flex with the Flex Film Assembly Tool.

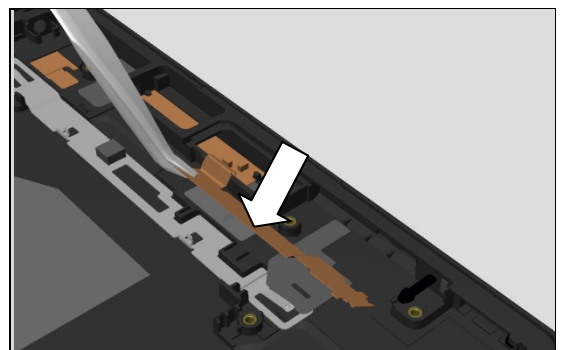


INSTALLATION

Install new FPC Bottom Spk Flex through the cavity and attach it against adhesive



Fold down FPC Bottom Spk Flex and press against adhesive



Replacement

4.42 FPC JK Flex module

Follow the 3.2 Disassembly instructions!

Carry out the Removal as described below.

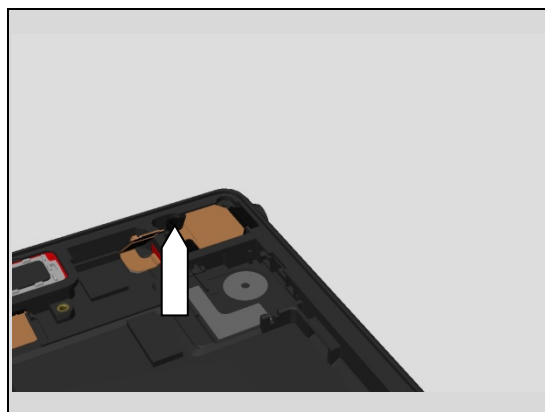
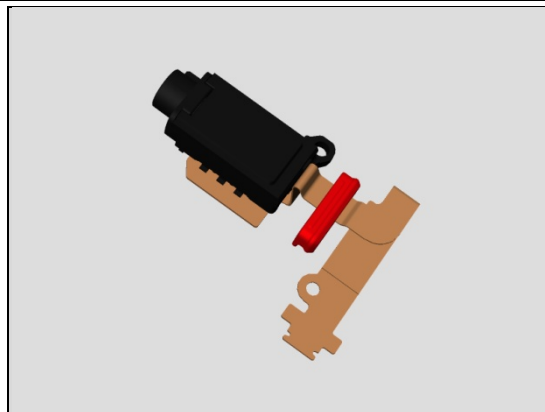
Prepare the new FPC JK Flex module.

Carry out the Installation as described below.

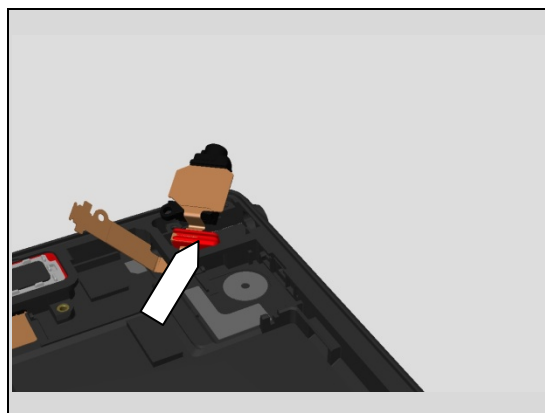
Follow the 5.17 Reassembly instructions!

REMOVAL

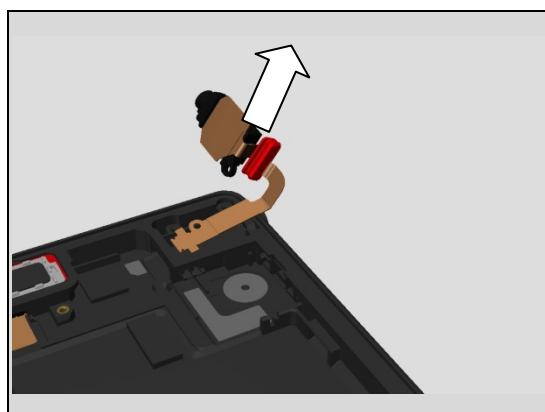
Remove the Screw Len:3.8 Diam:1.4 by using a screwdriver with Bits T4.



Detach the FPC JK Flex module gasket with Nylon Pointer



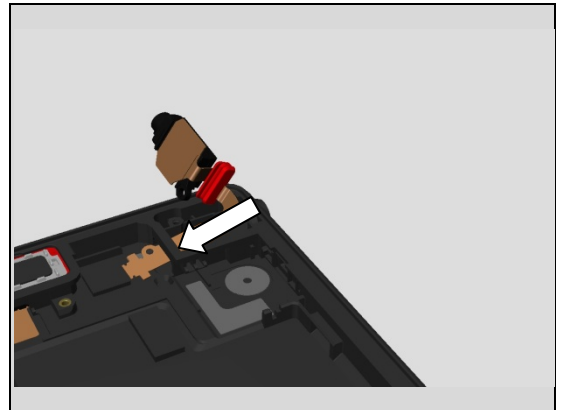
Remove the FPC JK Flex module with fingers



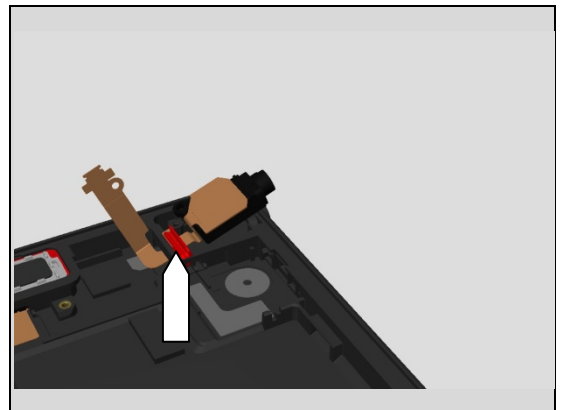
Replacement

INSTALLATION

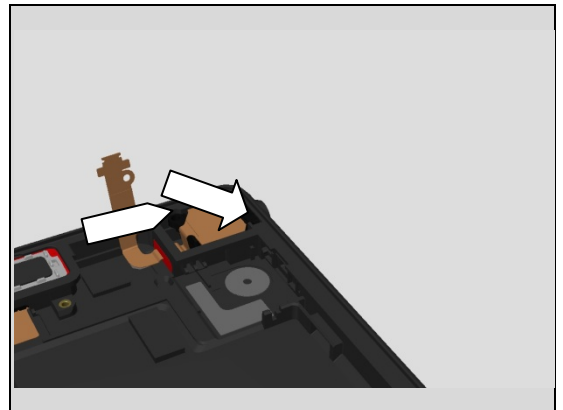
Place a new FPC JK Flex module in the cavity



Attach the gasket using a Nylon Pointer



Secure the position of FPC JK Flex with fingers and apply 12 Ncm torque when tightening Screw Len:3.8 Diam:1.4 with Bits T4.



Replacement:

4.43 FPC Relay Flex module

Follow the 3.2 Disassembly instructions!

Carry out the Removal as described below.

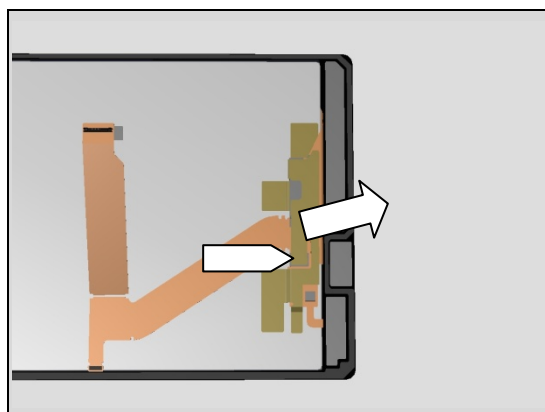
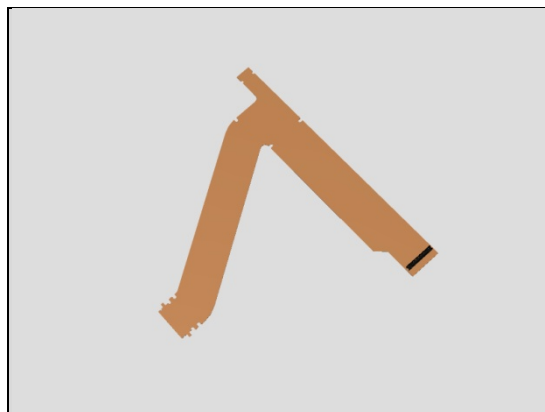
Prepare the new FPC Relay Flex module.

Carry out the Installation as described below.

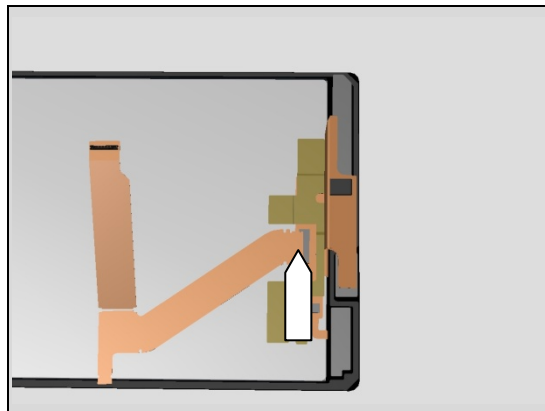
Follow the 5.17 Reassembly instructions!

REMOVAL

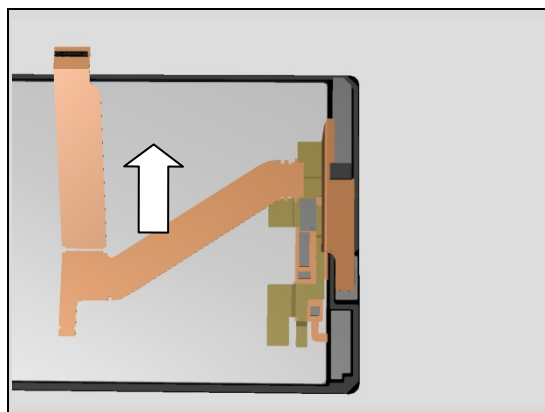
Open BtB connector and fold up the Display FPC



Open ZIF connector with Front Opening Tool and remove FPC Relay Flex module



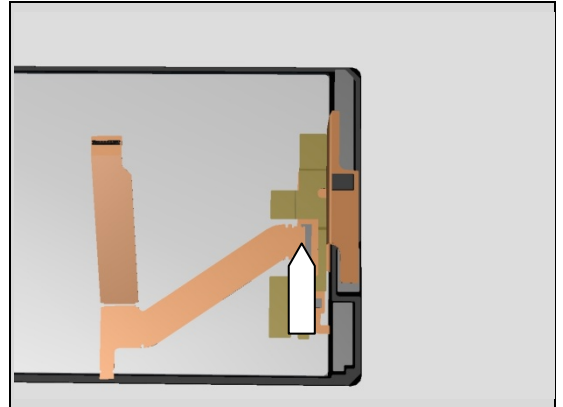
Remove the FPC Relay Flex module



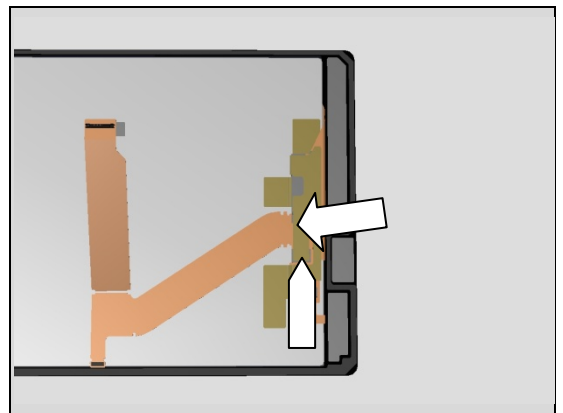
Replacement:

INSTALLATION

Place a new FPC Relay Flex module to ZIF connector with fingers and close the connector.



Fold down the Display FPC and attach the BtB connector



Replacement:

4.44 FPC Top Spk Flex

Follow the 3.2 – 3.10 and 3.15 - 3.17 Disassembly instructions!

Carry out the Removal as described below.

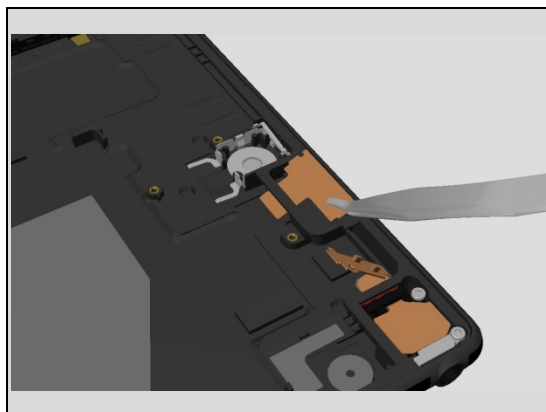
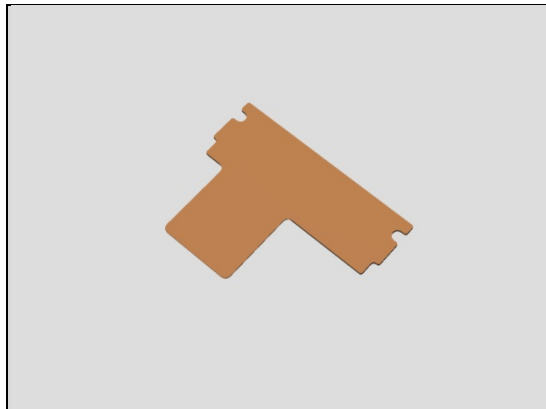
Prepare the new FPC Top Spk Flex.

Carry out the Installation as described below.

Follow the 5.2-5.4 and 5.9 – 5.17 Reassembly instructions!

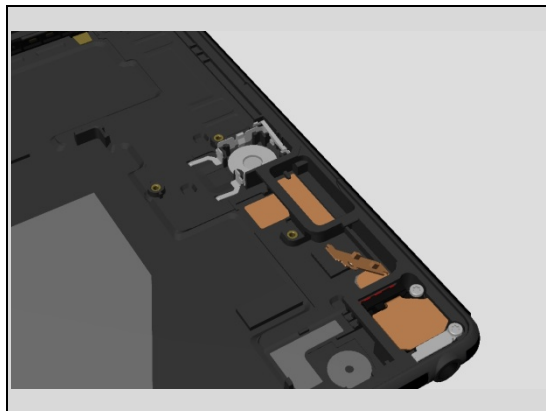
REMOVAL

Detach to remove the FPC Top Spk Flex with the Flex Film Assembly Tool.



INSTALLATION

Place a new FPC Top Spk Flex on the Main Cover using a Flex Film Assembly Tool.



Replacement:

4.45 Gasket GND

Follow the 3.2 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Gasket GND.

Carry out the Installation as described below.

Follow the 5.17 Reassembly instructions!

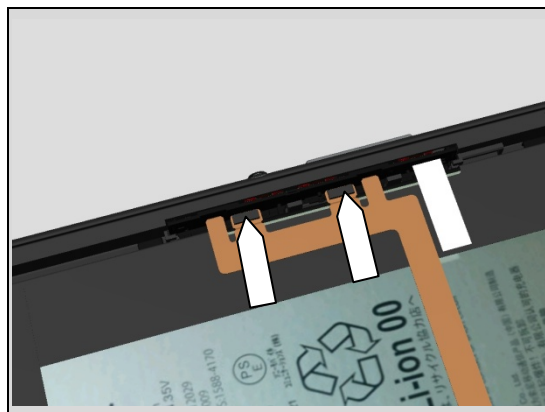
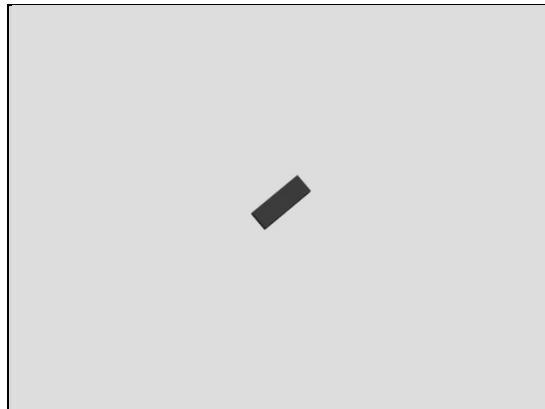
REMOVAL

Detach to remove the Gasket GND with the Flex Film Assembly Tool.

Scrap! Not to be reused!

INSTALLATION

Place a new Gasket GND on the Key Flex module using a Flex Film Assembly Tool.



Replacement:

4.46 Gasket GND FPC LCD

Follow the 3.2 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Gasket GND FPC LCD.

Carry out the Installation as described below.

Follow the 5.17 Reassembly instructions!

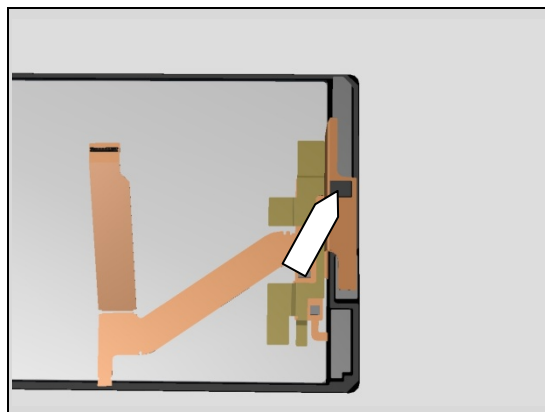
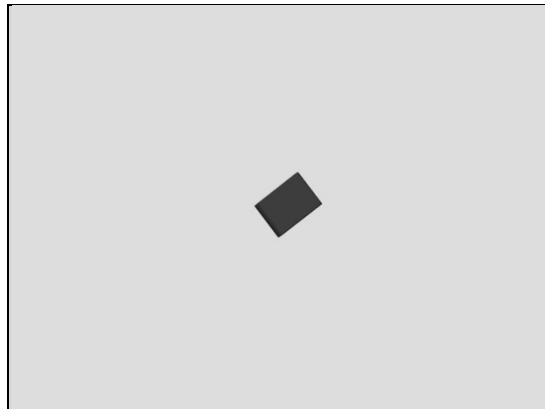
REMOVAL

Detach to remove the Gasket GND FPC LCD with the Flex Film Assembly Tool.

Scrap! Not to be reused!

INSTALLATION

Place a new Gasket GND FPC LCD on the FPC Relay Flex module using a Flex Film Assembly Tool.



Replacement:

4.47 Gasket SP Sub assy

Follow the 3.2 Disassembly instructions!

Follow the 4.74 Removal instructions!

Carry out the Removal as described below.

Prepare the new Gasket SP Sub assy.

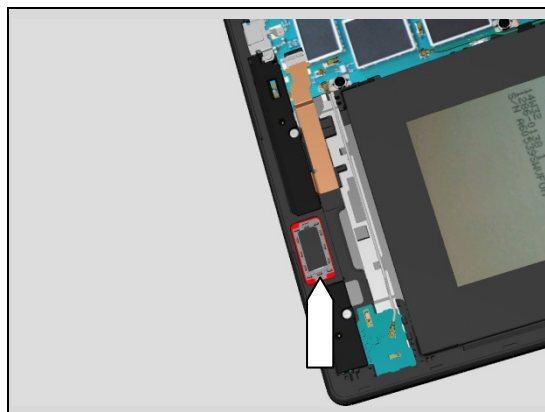
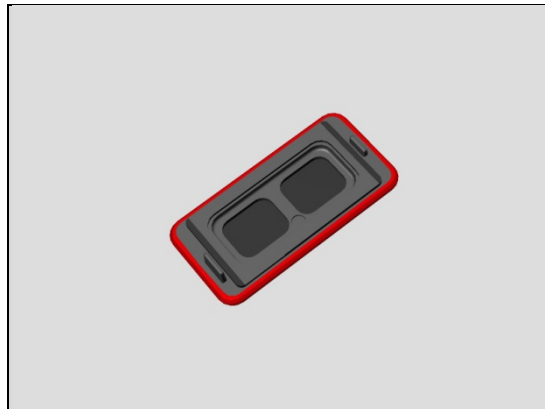
Carry out the Installation as described below.

Follow the 4.74 Installation instructions!

Follow the 5.17 Reassembly instructions!

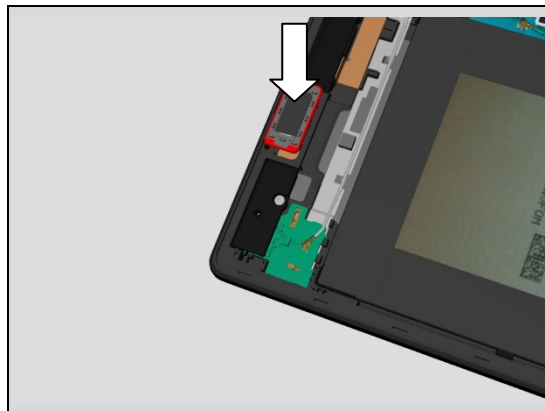
REMOVAL

Detach to remove the Gasket SP Sub assy with the Dentist Hook.



INSTALLATION

Position a new Cap SP Assembly gently into the cavity of Main Cover



Replacement

4.48 Holder Chat Cam

Follow the 3.2 and 3.10 Disassembly instructions!

Carry out the Removal as described below.

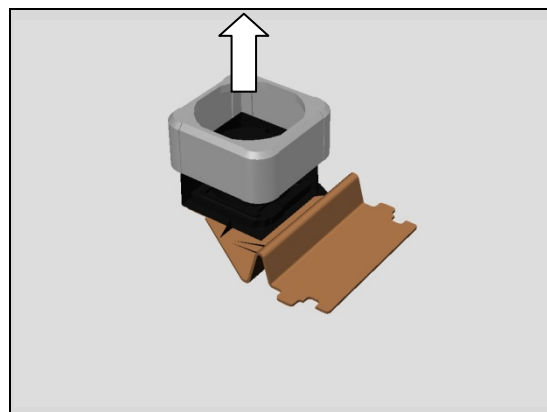
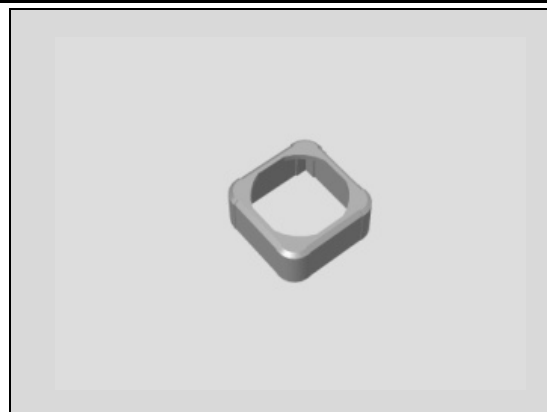
Prepare the new Holder Chat Cam

Carry out the Installation as described below.

Follow the 5.9 and 5.17 Reassembly instructions!

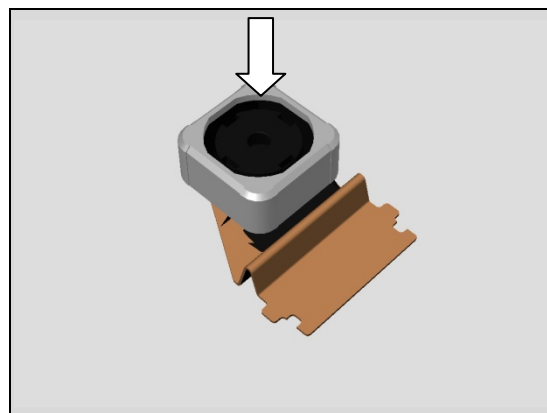
REMOVAL

Remove the Holder Chat Cam with fingers.



INSTALLATION

Place a new Holder Chat Cam on the Chat Cam using fingers.



Replacement

4.49 Holder Jack

Follow the 3.2 Disassembly instructions!

Carry out the Removal as described below.

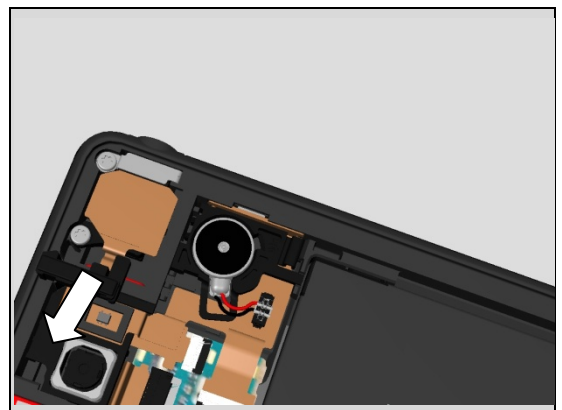
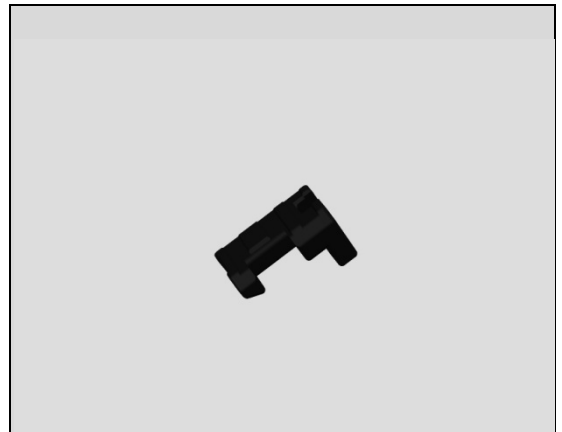
Prepare the new Holder Jack.

Carry out the Installation as described below.

Follow the 5.17 Reassembly instructions!

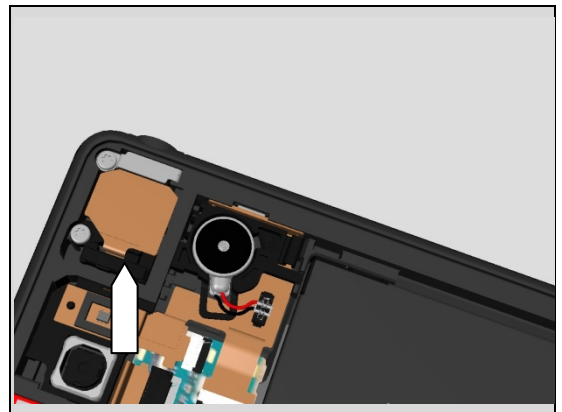
REMOVAL

Detach to remove the Holder Jack with a pair of tweezers.



INSTALLATION

Place a new Holder Jack on the FPC JK Flex module using a pair of tweezers.



Replacement

4.50 Key Gasket

Follow the 3.2 and 3.14-3.15 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Key Gasket.

Carry out the Installation as described below.

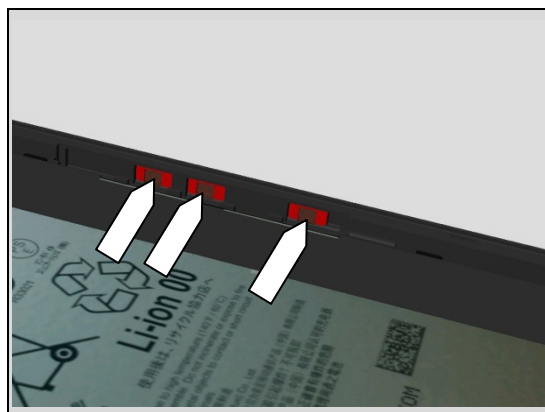
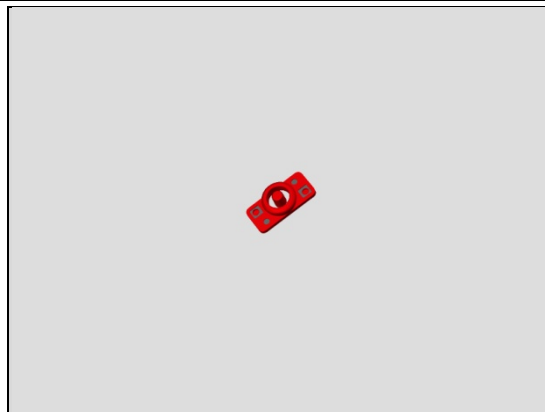
Follow the 5.4-5.5 and 5.17 Reassembly instructions!

REMOVAL

Remove Key Gasket with Flex Film Assembly Tool.

INSTALLATION

Place a new Key Gasket on the Main Cover using a Flex Film Assembly Tool.



Replacement:

4.51 Key Power

Carry out the Removal as described below.

Follow the 4.59 and 4.62 Removal instructions!

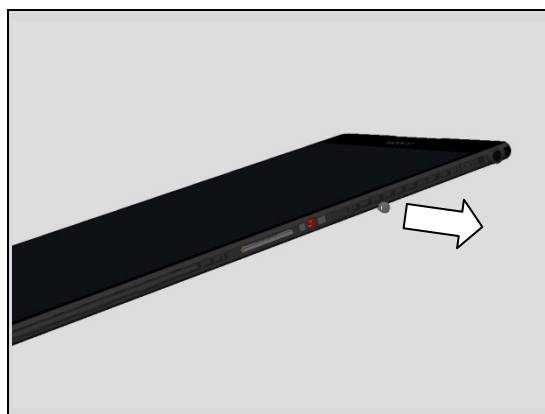
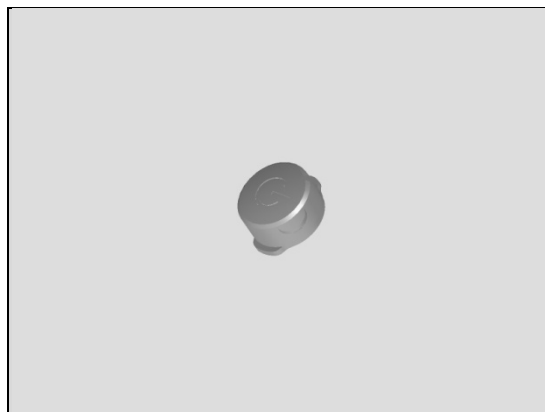
Prepare the new Key Power.

Carry out the Installation as described below.

Follow the 4.62 and 4.59 Installation instructions!

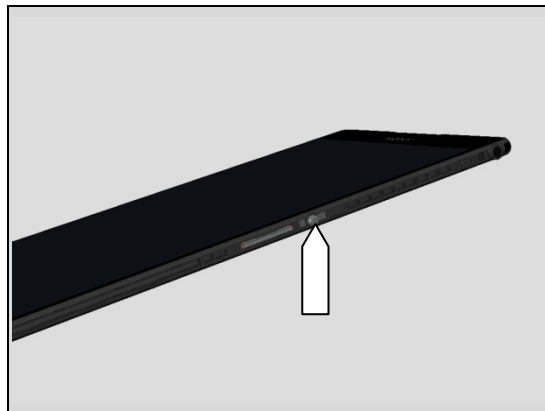
REMOVAL

Remove Key Power with a pair of tweezers.



INSTALLATION

Place a new Key Power on the Main Cover using a pair of tweezers.



Replacement:

4.52 Key Volume

Carry out the Removal as described below.

Follow the 4.58 Removal instructions!

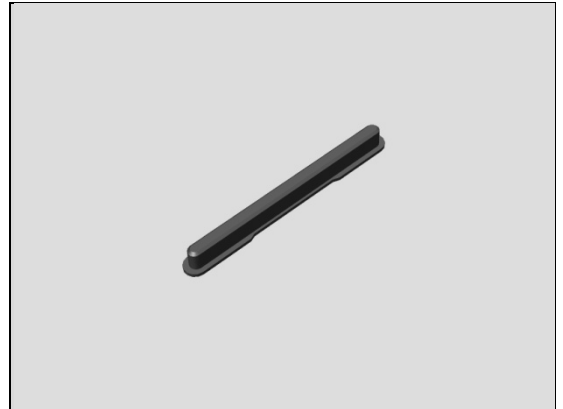
Prepare the new Key Volume.

Carry out the Installation as described below.

Follow the 4.58 Installation instructions!

REMOVAL

Remove Key Volume with a pair of tweezers.



INSTALLATION

Place a new Key Volume on the Main Cover using fingers.



Replacement:

4.53 Magnetic charger connector

Follow the 3.2 – 3.10 and 3.15 - 3.17 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Magnetic charger connector.

Carry out the Installation as described below.

Follow the 5.2-5.4 and 5.9 – 5.17 Reassembly instructions!

REMOVAL

Push the two pads of *Magnetic charger connector* by using Flex Film Assembly Tool.

Scrap! Not to be reused!

Be careful! Do not damage the two pads of Charger Flex module.

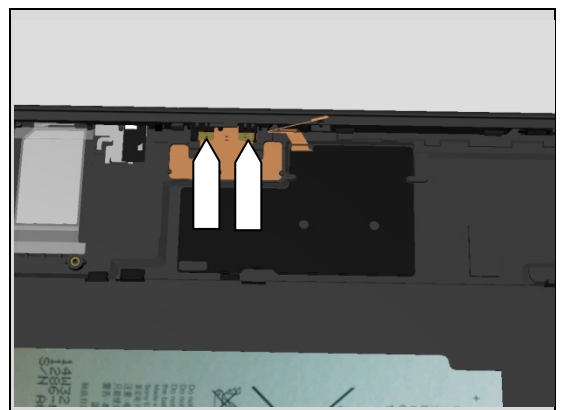
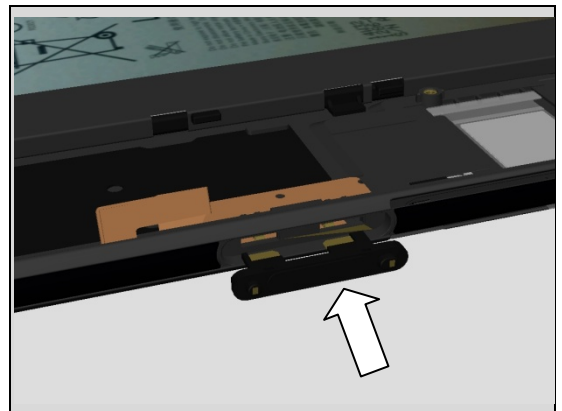
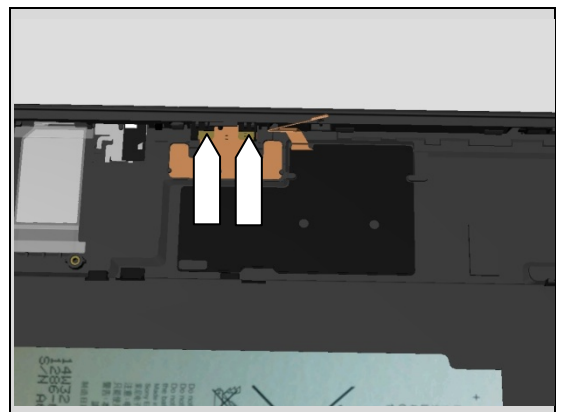
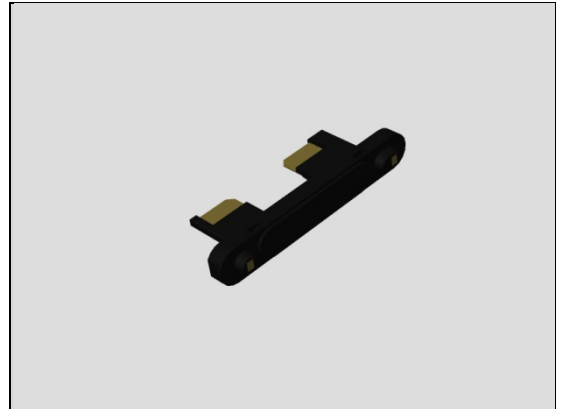
INSTALLATION

Mount a new Magnetic charger connector by fingers

Check and press the two pins into its cavities by using the Front Opening Tool.

Be careful! Do not damage the two pins on Magnetic charger flex.

Then use Side Panel press, Side Panel Press Head and Charge connector press pad with the force of 65N for ten seconds. According to 1003-9107 Tool Catalogue – mechanical and document Side Panel press Instruction for use.



Replacement:

4.54 Main Cover

Follow the 3.1 – 3.18 Disassembly instructions!

Follow the 4.34-4.35, 4.41-4.44, 4.47, 4.49-4.51, 4.62, 4.66 and 4.71 Removal instructions!

Carry out the Removal as described below.

Prepare the new Main Cover.

Carry out the Installation as described below.

Follow the 4.21-4.24, 4.26-4.30, 4.31 -4.36, 4.41-4.44, 4.48 - 4.53, 4.55 – 4.60, 4.62 – 4.71 and 4.75 Installation instructions!

Follow the 5.1 – 5.18 Reassembly instructions!



Replacement:

4.55 Panel Bottom

Carry out the Removal as described below.

Prepare the new Panel Bottom.

Carry out the Installation as described below.

REMOVAL

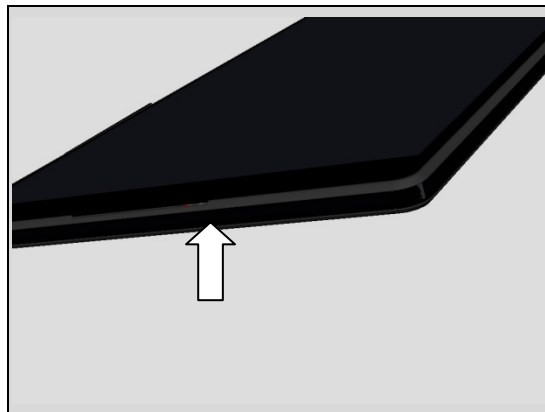
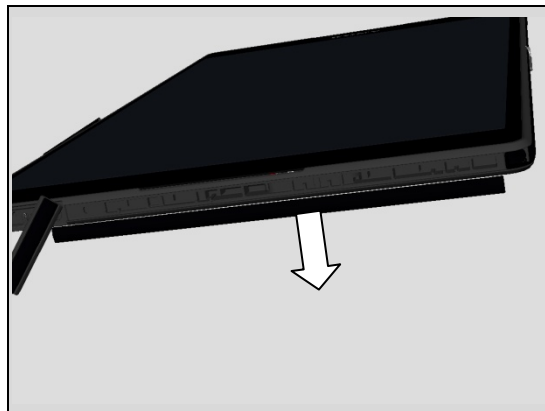
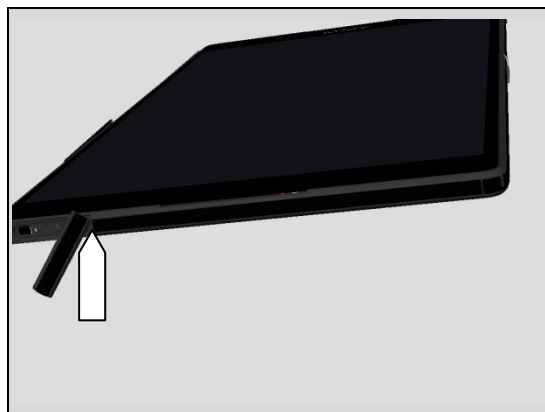
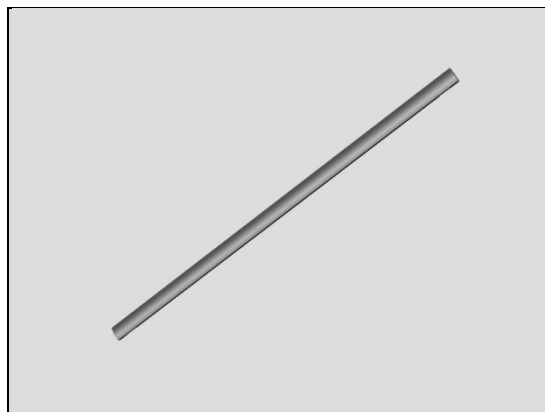
Detach to remove the Panel Bottom with a Dentist Hook

Scrap! Not to be reused!

Remove the Panel Bottom

INSTALLATION

Place a new Panel Bottom on Main Cover with fingers and press long the side.



Replacement:

4.56 Panel Left Bottom

Carry out the Removal as described below.

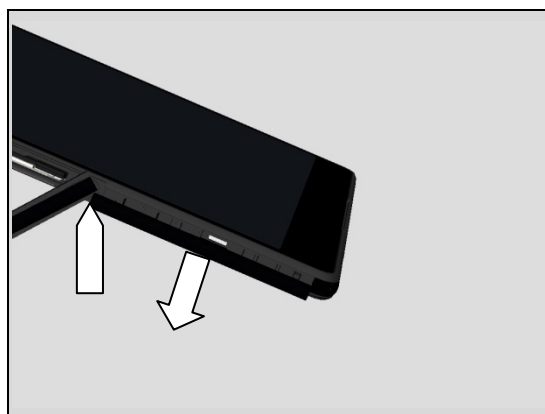
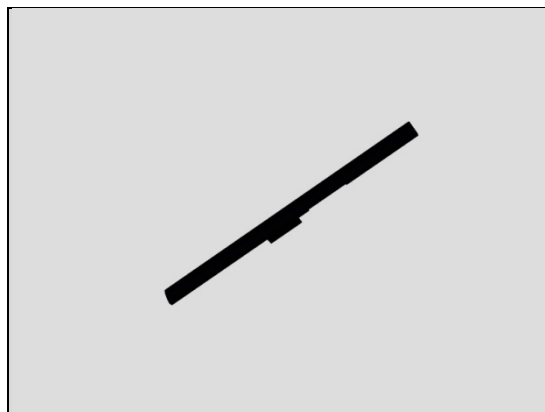
Prepare the new Panel Left Bottom.

Carry out the Installation as described below.

REMOVAL

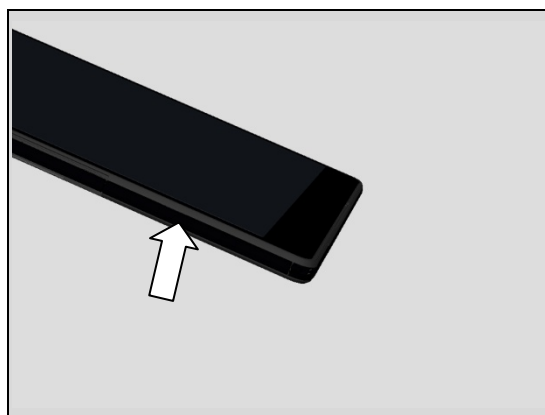
Detach to remove the Panel Left Bottom with a Dentist Hook

Scrap! Not to be reused!



INSTALLATION

Place a new Panel Left Bottom on Main Cover with fingers and press long the side.



Replacement:

4.57 Panel Left Top

Carry out the Removal as described below.

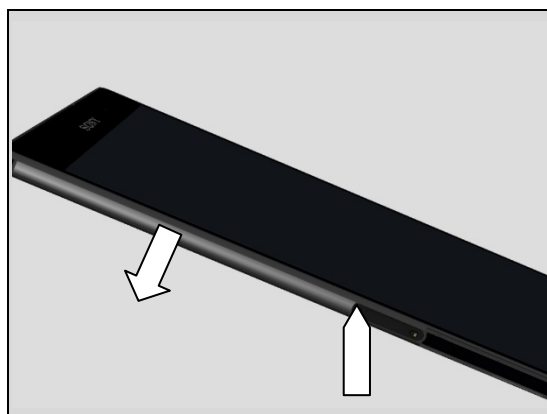
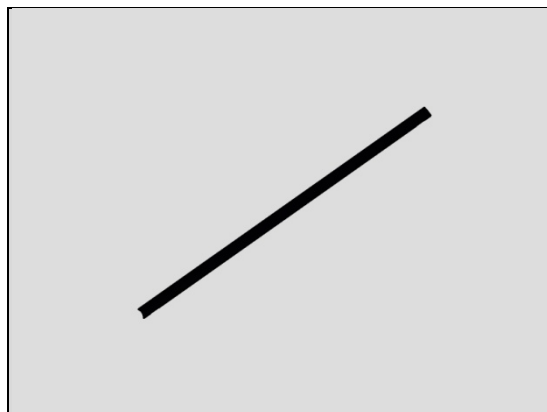
Prepare the new Panel Left Top.

Carry out the Installation as described below.

REMOVAL

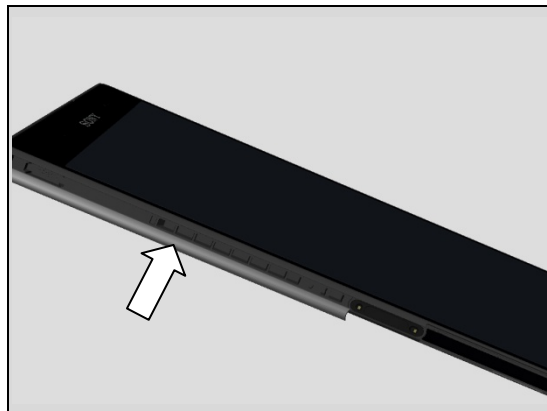
Detach to remove the Panel Left Top with a Dentist Hook

Scrap! Not to be reused!



INSTALLATION

Place a new Panel Left Top on Main Cover with fingers and press long the side.



Replacement:

4.58 Panel Right Bottom

Carry out the Removal as described below.

Prepare the new Panel Right Bottom.

Carry out the Installation as described below.

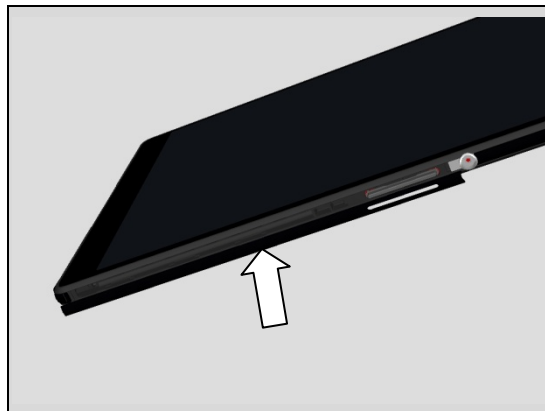
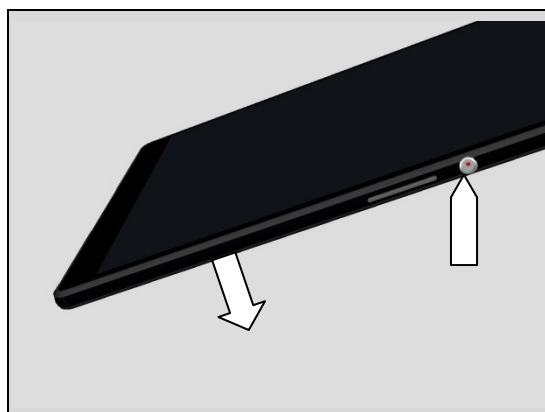
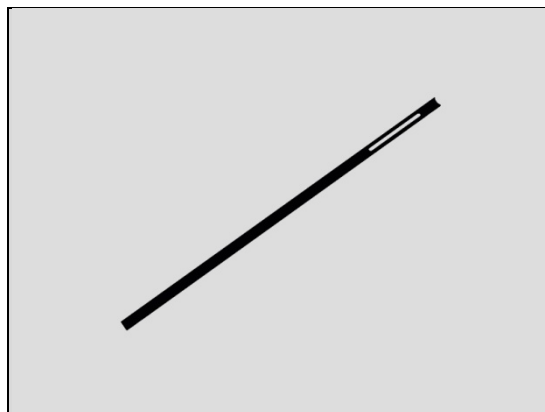
REMOVAL

Detach to remove the Panel Right Bottom with a Dentist Hook

Scrap! Not to be reused!

INSTALLATION

Place a new Panel Right Bottom on Main Cover with fingers and press long the side.



Replacement:

4.59 Panel Right Top

Carry out the Removal as described below.

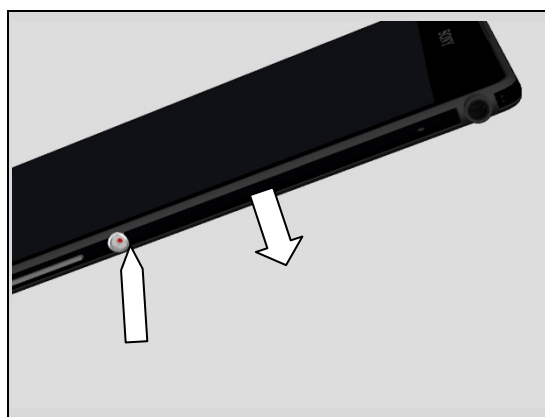
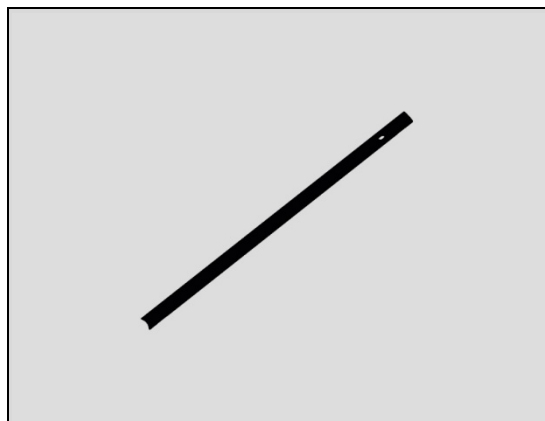
Prepare the new Panel Right Top.

Carry out the Installation as described below.

REMOVAL

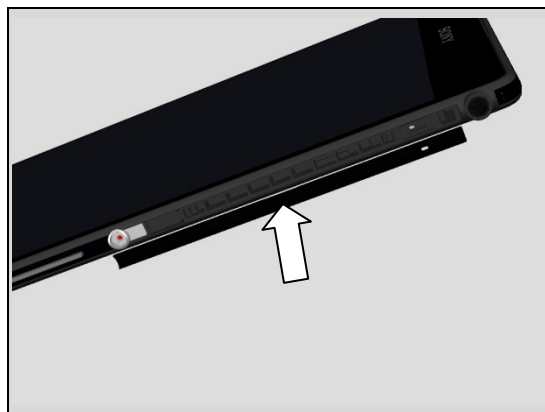
Detach to remove the Panel Right Top with a Dentist Hook

Scrap! Not to be reused!



INSTALLATION

Place a new Panel Right Top on Main Cover with fingers and press long the side.



Replacement

4.60 Panel Top

Carry out the Removal as described below.

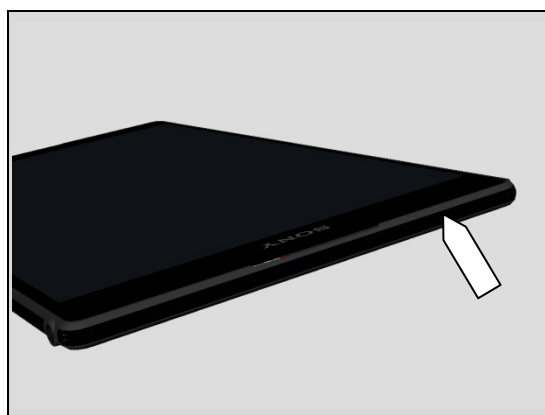
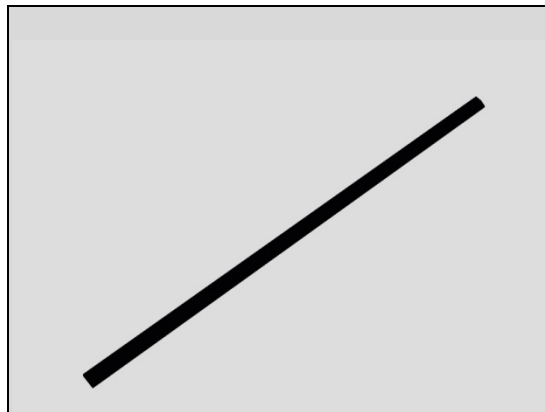
Prepare the new Panel Top.

Carry out the Installation as described below.

REMOVAL

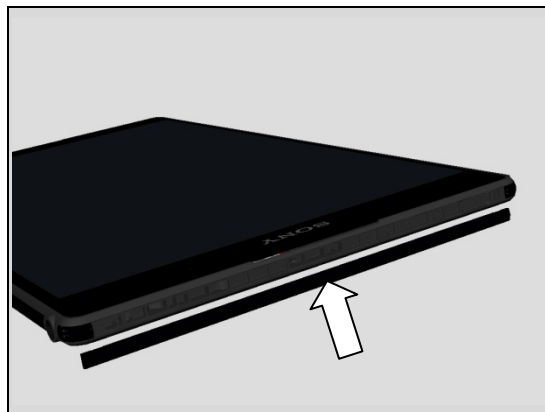
Detach to remove the Panel Top with a Dentist Hook

Scrap! Not to be reused!



INSTALLATION

Place a new Panel Top on Main Cover with fingers and press long the side.



Replacement

4.61 RF Cable Cellular (Only SGP621, 641)

Follow the 3.2 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new RF Cable WLAN.

Carry out the Installation as described below.

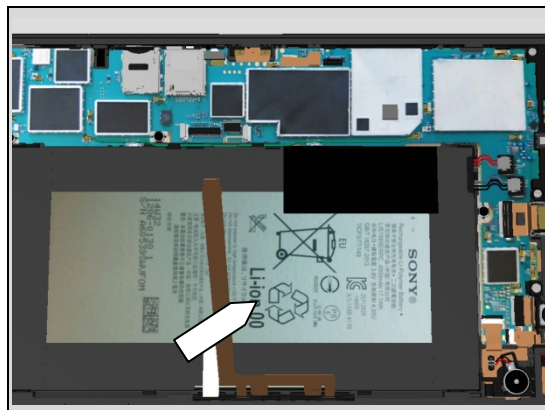
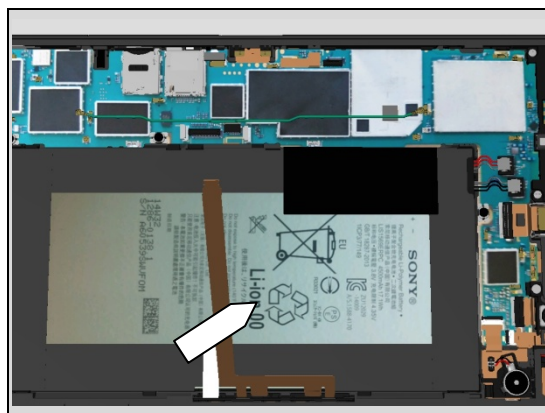
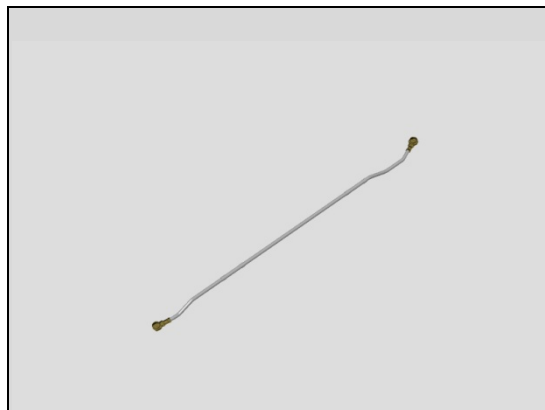
Follow the 5.17 Reassembly instructions!

REMOVAL

Detach to remove the Sheet ACO R with the Dentist Hook.

INSTALLATION

Place a new Sheet ACO L on the Main PBA using a Flex Film Assembly Tool.



Replacement

4.62 Ring Key

Carry out the Removal as described below.

Follow the 4.59 Removal instructions!

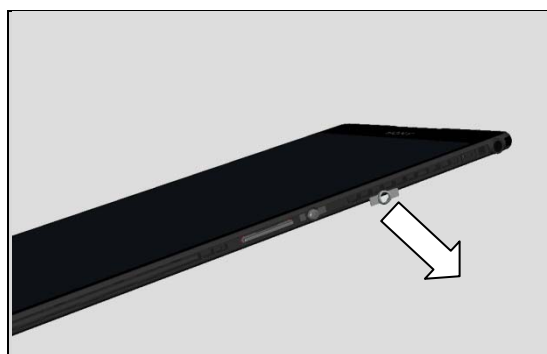
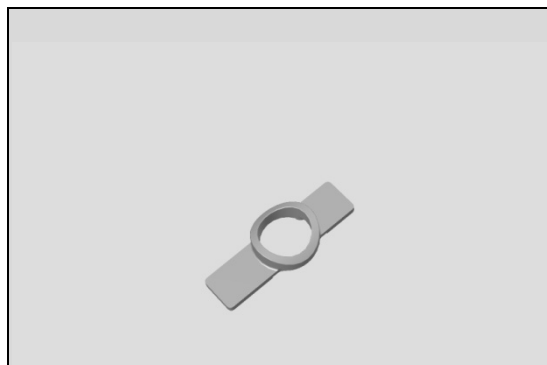
Prepare the new Ring Key.

Carry out the Installation as described below.

Follow the 4.59 Installation instructions!

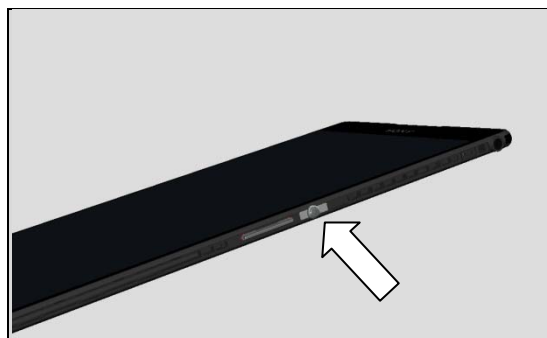
REMOVAL

Remove Ring Key with a pair of tweezers.



INSTALLATION

Place a new Ring Key on the Main Cover using fingers.



Replacement

4.63 Sheet Back Volume

Follow the 3.2 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Sheet Back Volume.

Carry out the Installation as described below.

Follow the 5.17 Reassembly instructions!

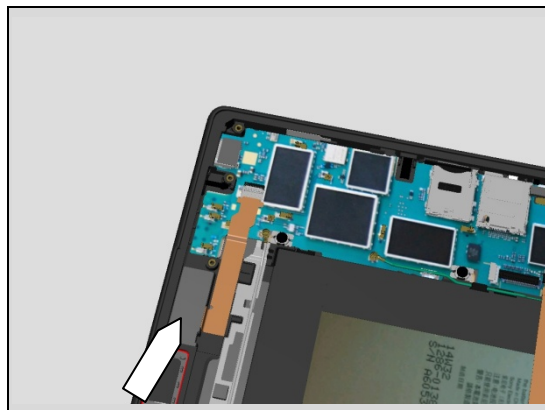
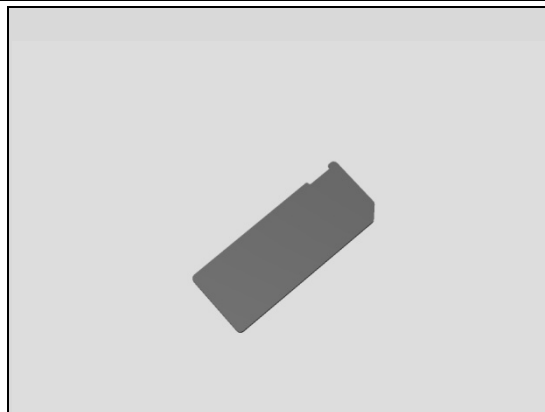
REMOVAL

Detach to remove the Sheet Back Volume with a pair of tweezers.

Scrap! Not to be reused!

INSTALLATION

Place a new Sheet Back Volume on Main Cover using a Flex Film Assembly Tool.



Replacement

4.64 Sheet Graphite CAM

Follow the 3.2 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Sheet Graphite CAM.

Carry out the Installation as described below.

Follow the 5.17 Reassembly instructions!

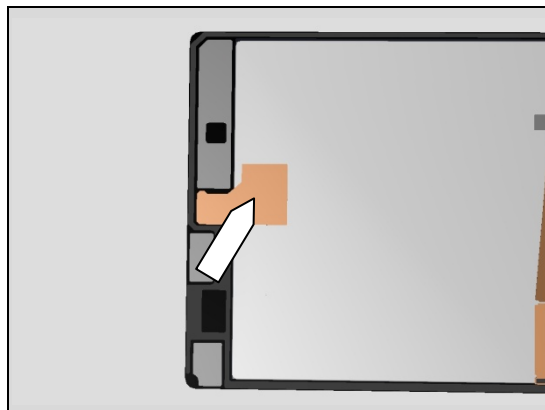
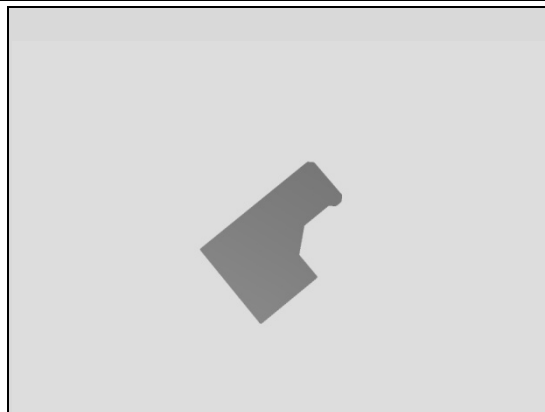
REMOVAL

Detach to remove the Sheet Graphite CAM with a Dentist Hook.

Scrap! Not to be reused!

INSTALLATION

Place a new Sheet Graphite CAM on Display using a Flex Film Assembly Tool.



Replacement

4.65 Sheet Graphite PBA

Follow the 3.2 – 3.10 and 3.15 - 3.17 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Sheet Graphite PBA.

Carry out the Installation as described below.

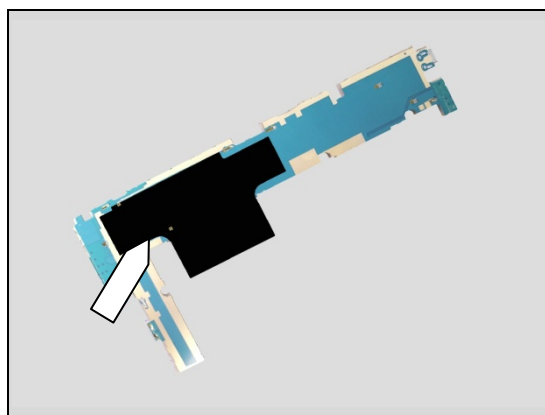
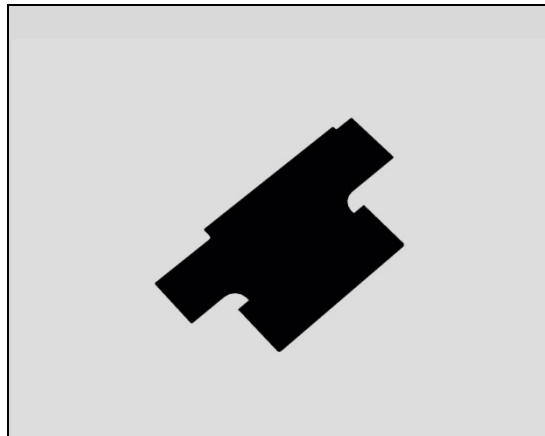
Follow the 5.2-5.4 and 5.9 – 5.17 Reassembly instructions!

REMOVAL

Remove the Sheet Graphite PBA with fingers.

INSTALLATION

Place a new Sheet Graphite PBA on Main PBA using a Flex Film Assembly Tool.



Replacement

4.66 Sheet MoP

Follow the 3.2 – 3.10 and 3.15 - 3.17 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Sheet MoP.

Carry out the Installation as described below.

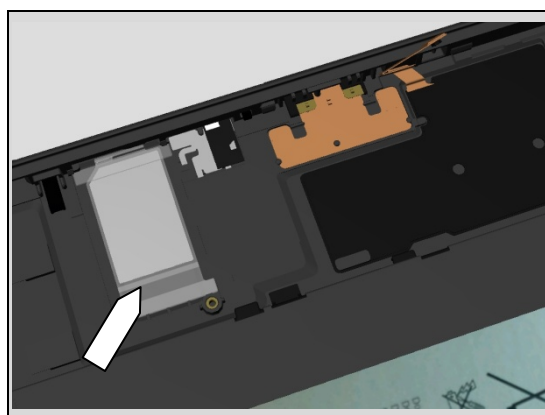
Follow the 5.2-5.4 and 5.9 – 5.17 Reassembly instructions!

REMOVAL

Remove the Sheet MoP with fingers.

INSTALLATION

Place a new Sheet MoP on Main Cover using fingers.



Replacement

4.67 Sheet Vibrator

Follow the 3.2 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Sheet Vibrator.

Carry out the Installation as described below.

Follow the 5.17 Reassembly instructions!

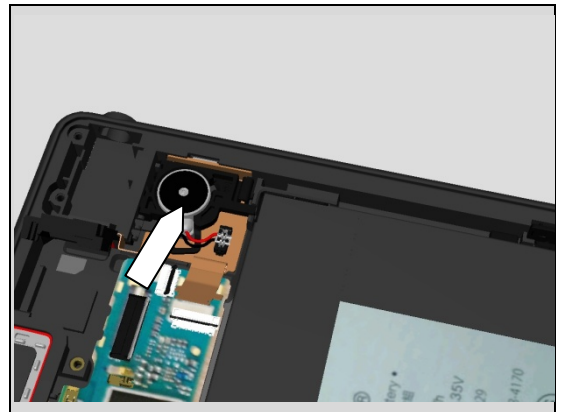
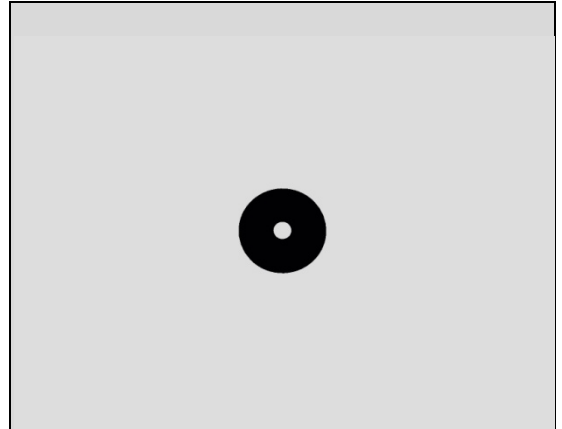
REMOVAL

Detach to remove the Sheet Vibrator with Dentist Hook.

Scrap! Not to be reused!

INSTALLATION

Place a new Sheet Vibrator on Vibrator using a Flex Film Assembly Tool.



Replacement

4.68 Sheet Water Indicator

Follow the 3.2 – 3.10 and 3.15 - 3.17 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Sheet Water Indicator

Carry out the Installation as described below.

Follow the 5.2-5.4 and 5.9 – 5.17 Reassembly instructions!

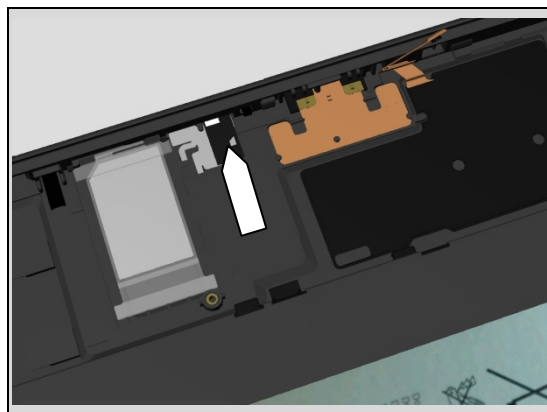
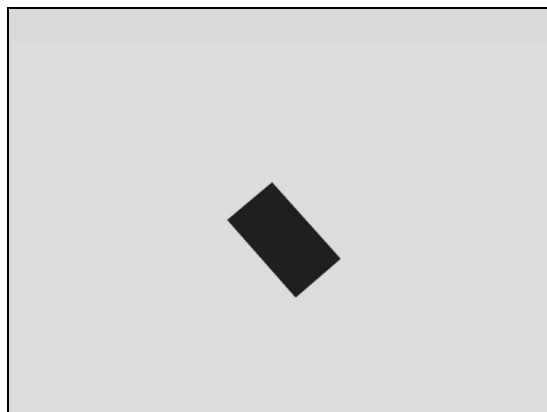
REMOVAL

Detach to remove the Sheet Water Indicator with Dentist Hook.

Scrap! Not to be reused!

INSTALLATION

Place a new Sheet Water Indicator on Main Cover using a Flex Film Assembly Tool.



Replacement

4.69 Sheet Window LCD Bottom

Follow the 3.2 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Sheet Window LCD Bottom.

Carry out the Installation as described below.

Follow the 5.17 Reassembly instructions!

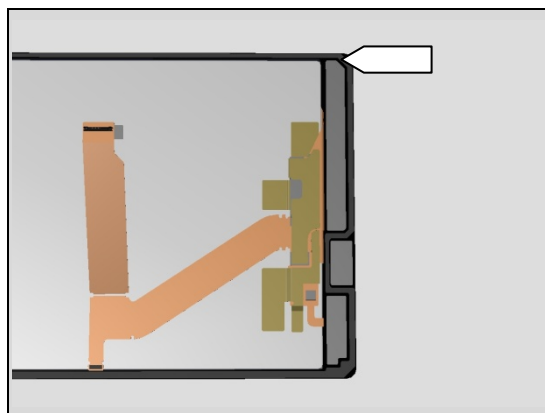
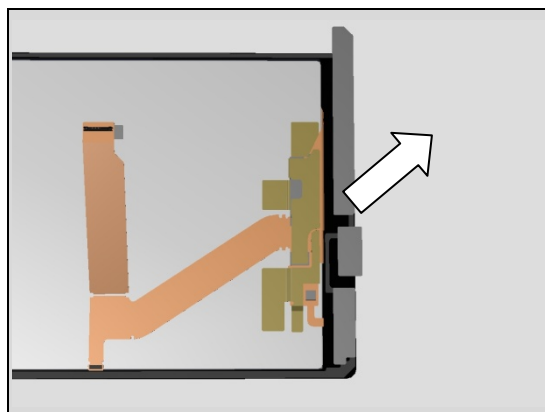
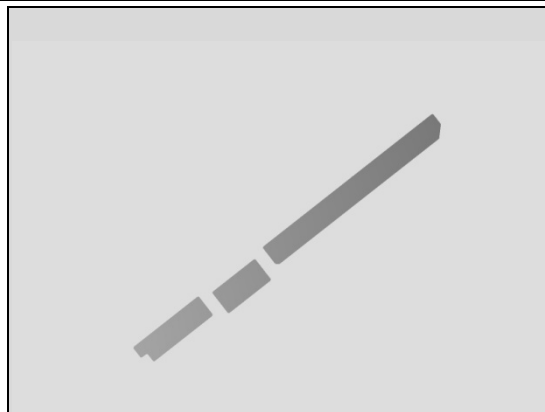
REMOVAL

Detach to remove the Sheet Window LCD Bottom with fingers.

Scrap! Not to be reused!

INSTALLATION

Place a new Sheet Window LCD Bottom on Display using fingers.



Replacement

4.70 Sheet Window LCD TOP

Follow the 3.2 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Sheet Window LCD TOP.

Carry out the Installation as described below.

Follow the 5.17 Reassembly instructions!

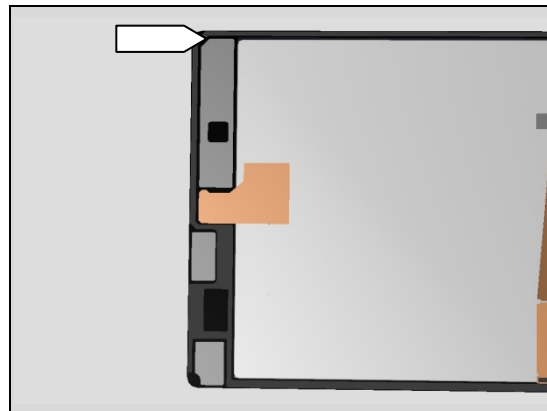
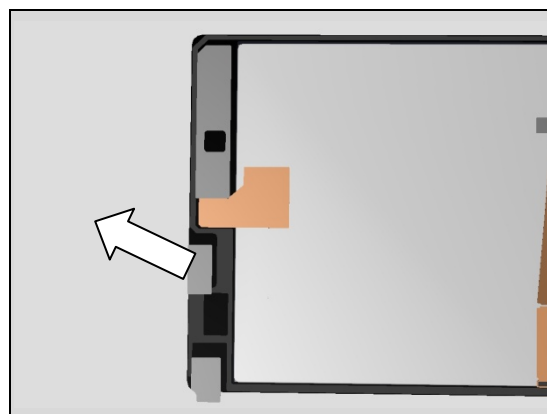
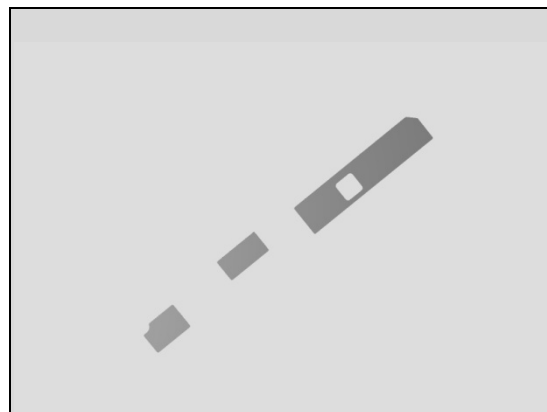
REMOVAL

Detach to remove the Sheet Window LCD TOP with fingers.

Scrap! Not to be reused!

INSTALLATION

Place a new Sheet Window LCD TOP on Display using fingers.



Replacement

4.71 Shield CAM

Follow the 3.2 – 3.10 and 3.15 - 3.17 Disassembly instructions!

Carry out the Removal as described below.

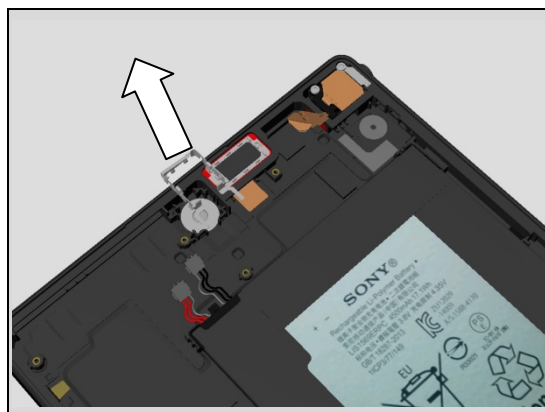
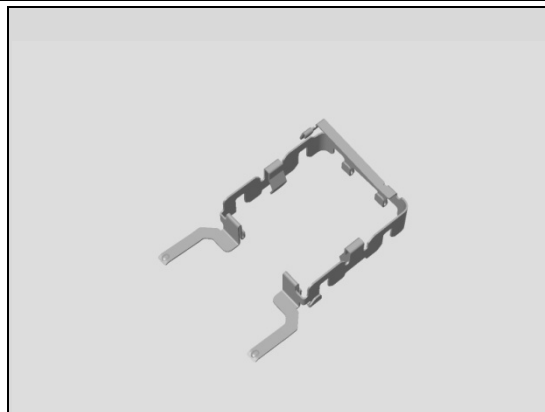
Prepare the new Shield CAM.

Carry out the Installation as described below.

Follow the 5.2-5.4 and 5.9 – 5.17 Reassembly instructions!

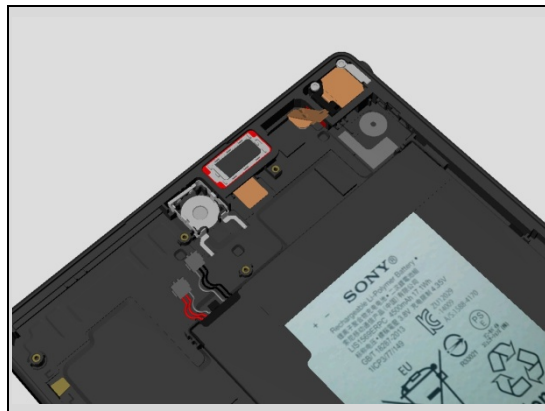
REMOVAL

Remove the Shield CAM with a pair of tweezers.



INSTALLATION

Place a new Shield CAM on the Main Cover using fingers.



Replacement

4.72 Spacer PBA Main SGP611,12 (Only SGP611,12)

Follow the 3.2 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Spacer PBA Main SGP611,12.

Carry out the Installation as described below.

Follow the 5.17 Reassembly instructions!

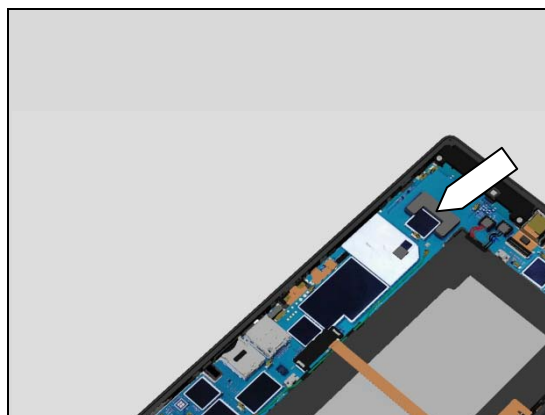
REMOVAL

Detach to remove the Spacer PBA Main SGP611,12 with the Flex Film Assembly Tool

Scrap! Not to be reused!

INSTALLATION

Place a new Spacer PBA Main SGP611,12 on the Main PBA using a Flex Film Assembly Tool



Replacement

4.73 Spacer PBA Main D

Follow the 3.2 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Spacer PBA Main D.

Carry out the Installation as described below.

Follow the 5.17 Reassembly instructions!

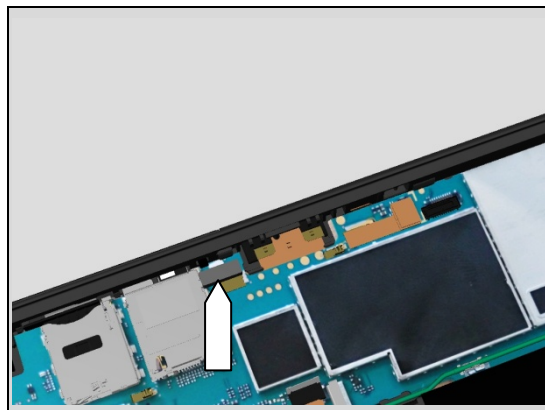
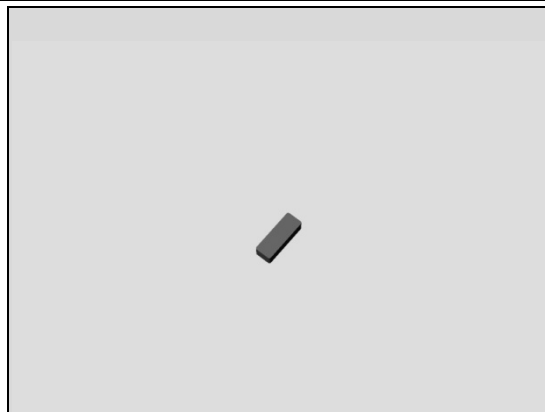
REMOVAL

Detach to remove the Spacer PBA Main D with the Flex Film Assembly Tool

Scrap! Not to be reused!

INSTALLATION

Place a new Spacer PBA Main D on the Main PBA using a Flex Film Assembly Tool



Replacement

4.74 Top Speaker

Follow the 3.2 Disassembly instructions!

Follow the 4.47 Removal instructions!

Carry out the Removal as described below.

Prepare the new Top Speaker.

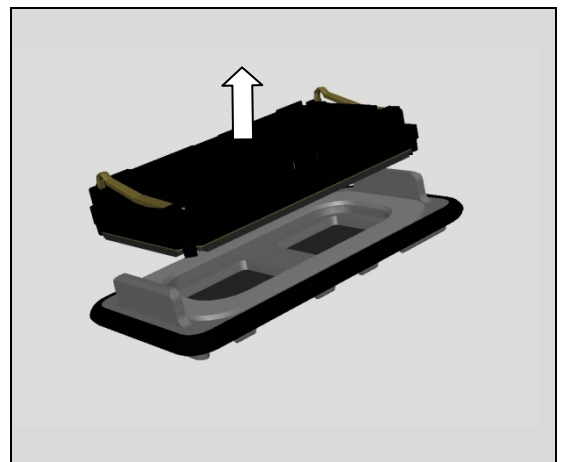
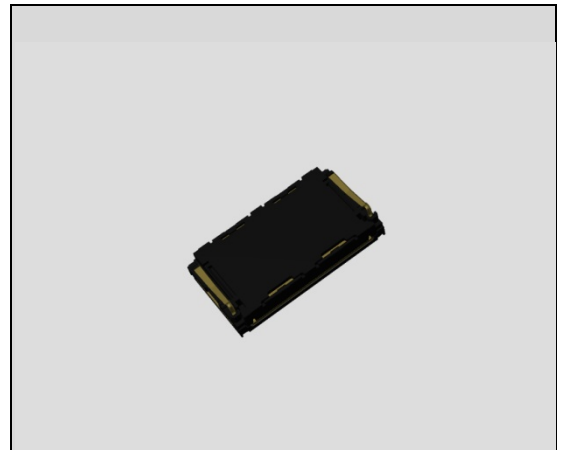
Carry out the Installation as described below.

Follow the 4.47 Installation instructions!

Follow the 5.17 Reassembly instructions!

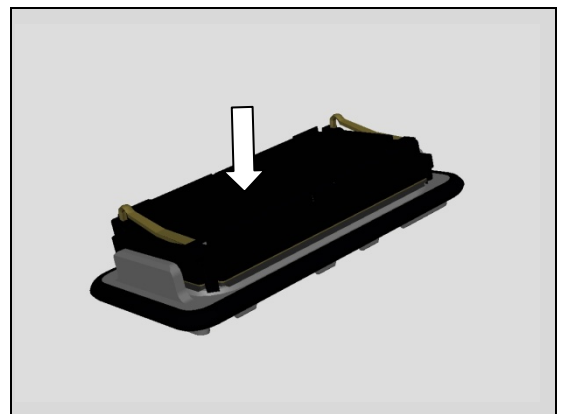
REMOVAL

Remove the Top Speaker with the Front Opening Tool.



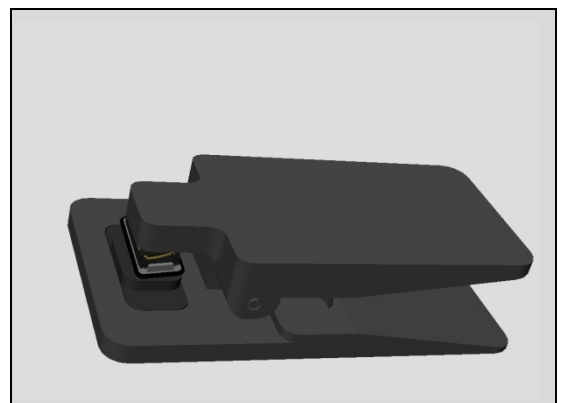
INSTALLATION

Place a new Top Speaker with fingers.



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

Do not touch the contact pins!



Replacement

4.75 Water Indicator

Follow the 3.2 – 3.10 and 3.15 - 3.17 Disassembly instructions!

Carry out the Removal as described below.

Prepare the new Water Indicator.

Carry out the Installation as described below.

Follow the 5.2-5.4 and 5.9 – 5.17 Reassembly instructions!

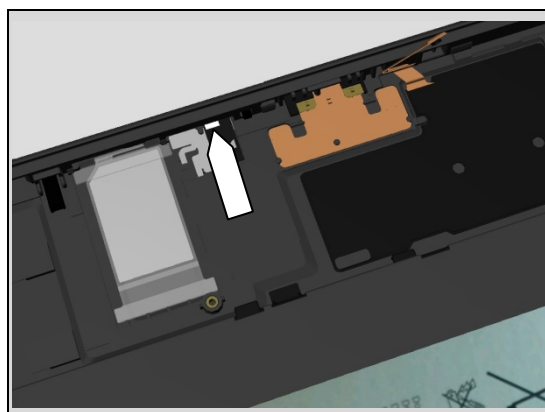
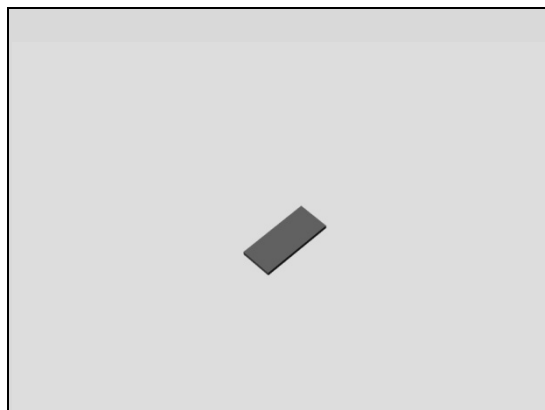
REMOVAL

Detach to remove the Water Indicator with a Dentist Hook.

Scrap! Not to be reused!

INSTALLATION

Place a new Water Indicator on the Main Cover using a pair of tweezers.



Replacement

4.76 Board Swap - Replacement

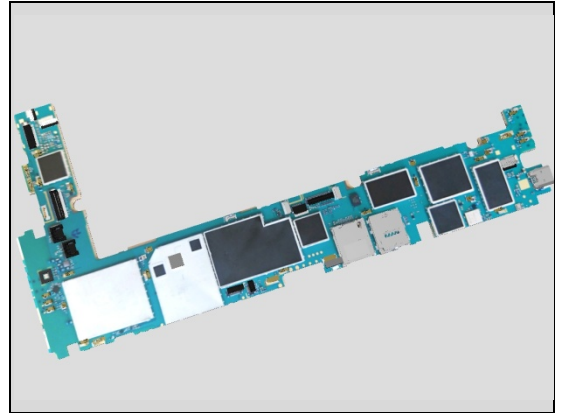
Follow the 3.2 – 3.10 and 3.15 - 3.17 Disassembly instructions!

Follow the 4.61 and 4.65 Removal instructions!

Prepare the new Main PBA.

Follow the 4.39, 4.61, 4.65 and 4.73 Installation instructions!

Follow the 5.2-5.4 and 5.9 – 5.17 Reassembly instructions!



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

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

After "Select Language" menu, turn off the unit.

Follow the calibrations in Trouble Shooting Application 1262-6643 – mechanical

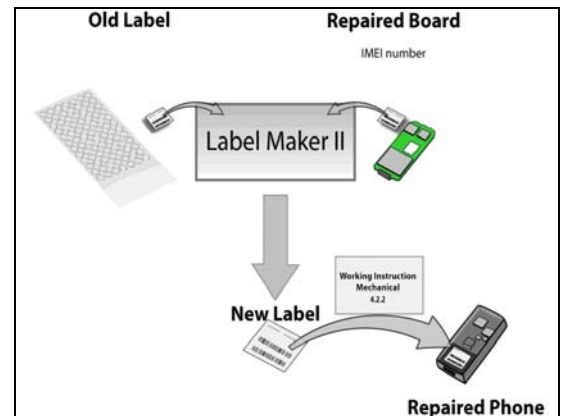
- Accelerometer
- Gyroscope
- Proximity
- Noise cancelling

Replacement

4.77 Board Swap – Change Label

CHANGE LABEL

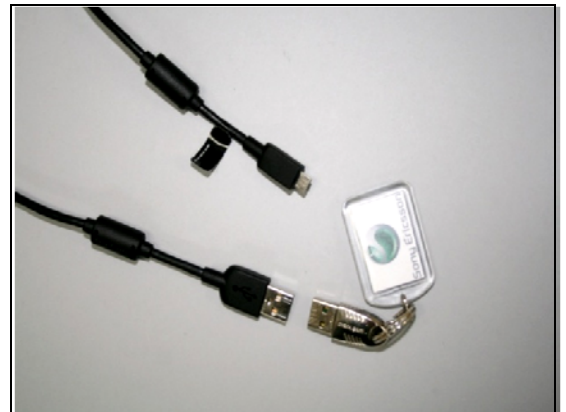
Follow the instructions in the Generic Repair Manual –
Build swap for change of label.



4.78 Board Swap – Customize of Software

CUSTOMIZE OF SOFTWARE

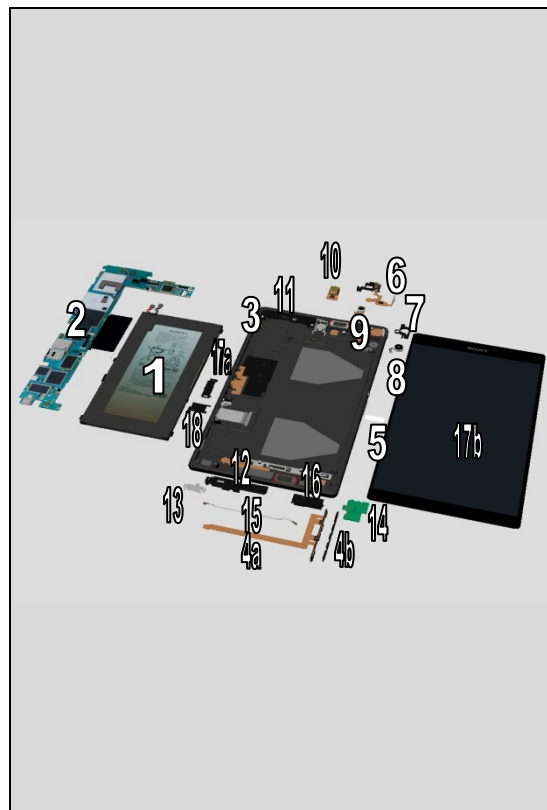
Follow the instructions in the Generic Repair Manual –
Build swap for customization of the software.



5 Reassembly

The disassembly is done in the following order:

1. Battery
2. Main PBA
3. Plate Screw
4. Key Flex module (a) + Frame Key (b)
5. Sheet FPC Relay
6. FPC Top Flex module
7. Holder Vibrator
8. Vibrator
9. Chat Camera
10. Main Camera
11. Antenna Main
12. Antenna Diversity
13. Plate USB
14. Sub PBA
15. RF Cable WLAN
16. Antenna WLAN
17. Holder LCD FPC BTB (a) + Display (b)
18. Sim Tray nano



5.1 Battery

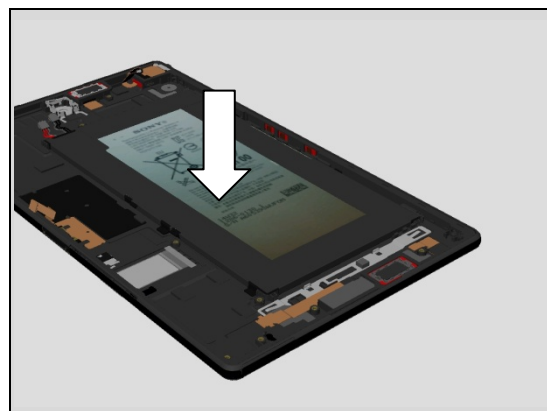
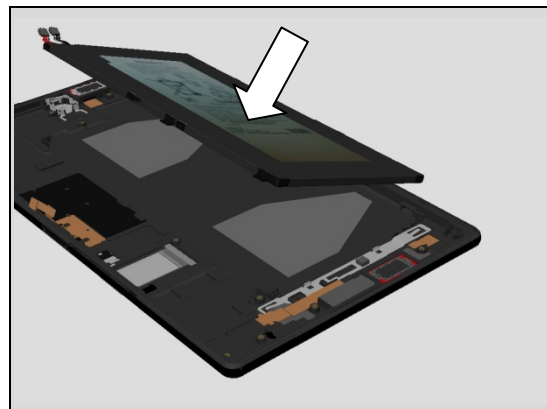
Follow the 4.22-4.23 removal and installation instruction to replace a new Adhesive Battery and Adhesive Battery Bottom

Note: Visible inspection of the Embedded Battery.

There is risk to damage the cell laminate (Pinhole, Bubbles or Wrinkles) when the Adhesive Battery Front is removed.

Do not twist or deform the Battery in any way. A Battery that has been dropped to floor should not be reused.

Place the Battery in the cavity.



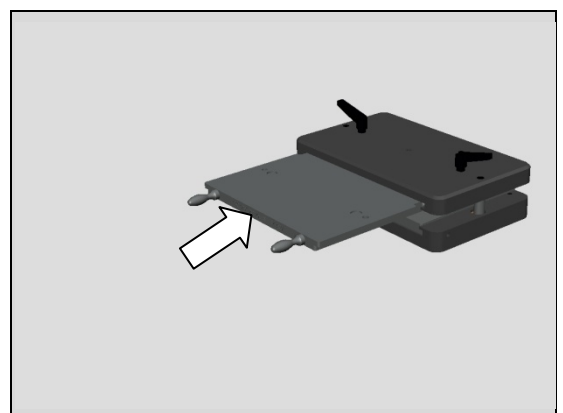
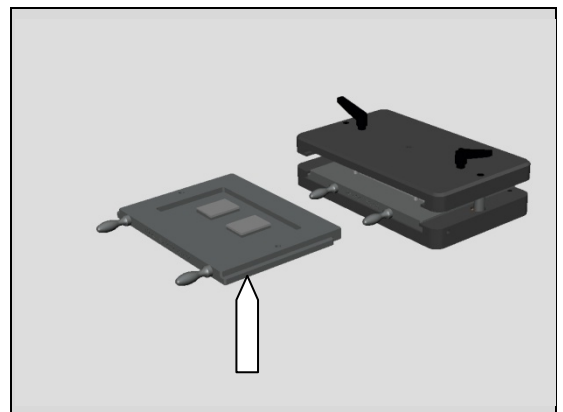
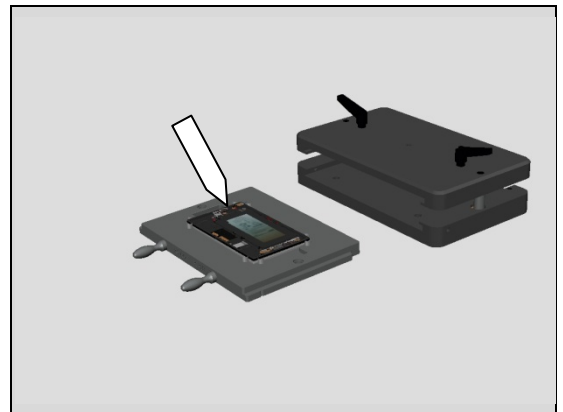
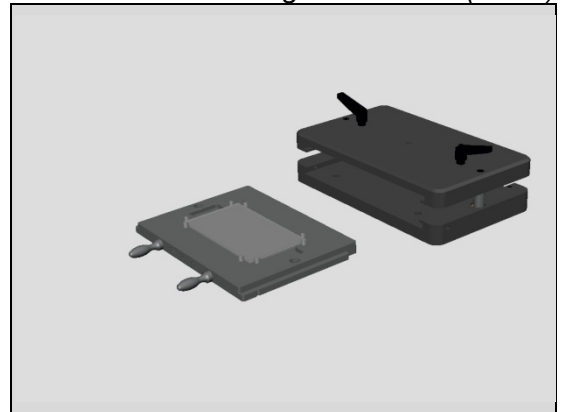
Lower inlay = Bottom Press Inlay Edges

Place the unit as in the picture with Chat Camera to the left (see arrow) and insert the Lower inlay

Upper inlay = Battery Press Top Inlay

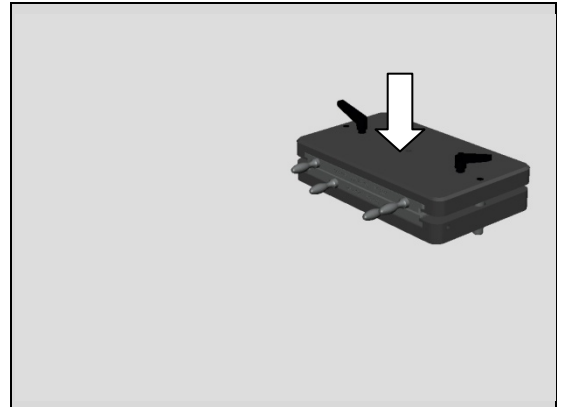
Insert Upper inlay and follow the instruction in 1003-9107 Tool Catalogue – mechanical and document Toothed Rack Press Instruction for use.

Working Instructions (mech)

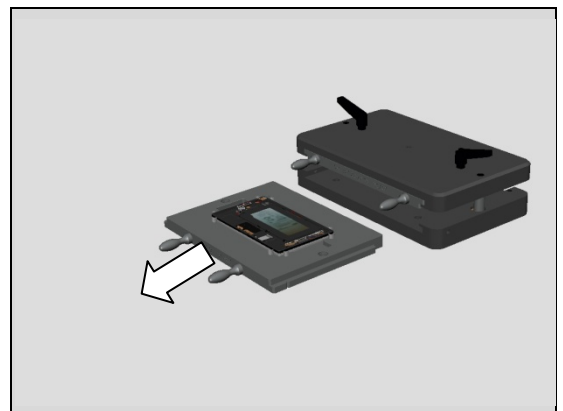


Reassembly

Press it with a pressure value of 200 ± 20 N for ten seconds

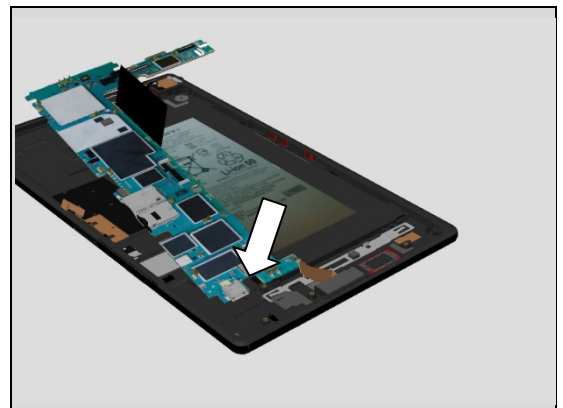


Take out Lower inlay



5.2 Main PBA

Position the Main PBA to bottom area with fingers

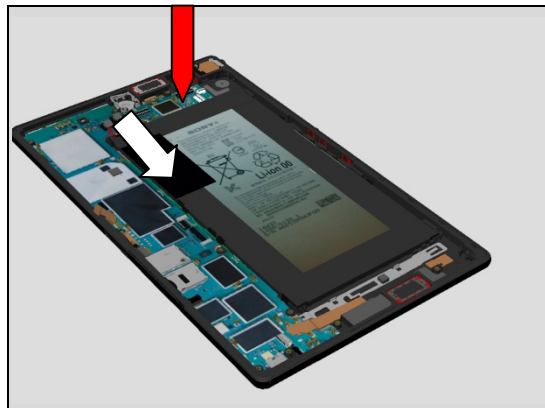


Secure Main PBA position using fingers



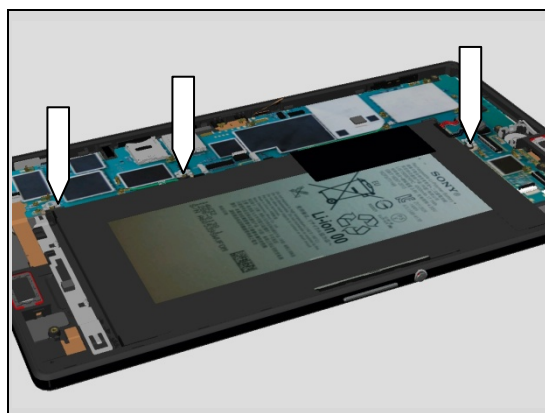
Reassembly

Attach the Main PBA top area with fingers (red arrow) and fold down the Sheet Graphite PBA on the Battery

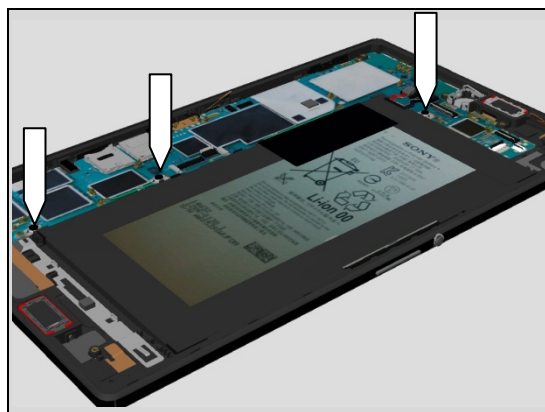


5.3 Plate Screw

Position Plate Screw to Main PBA

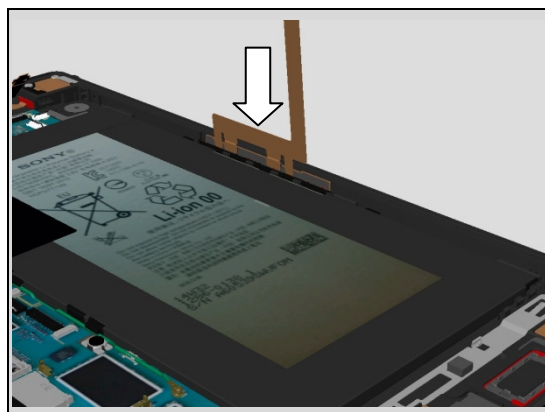


Apply 13 Ncm torque when tightening Screw Other Len:1.6
Diam:1.4 M (EG) with Bits (JCIS No 0).



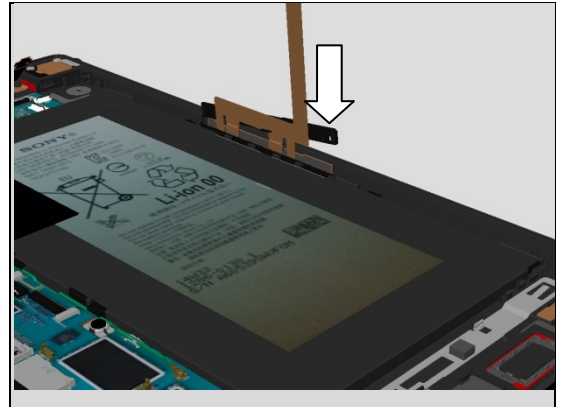
5.4 Key Flex module + Frame Key

Position Key Flex module with fingers

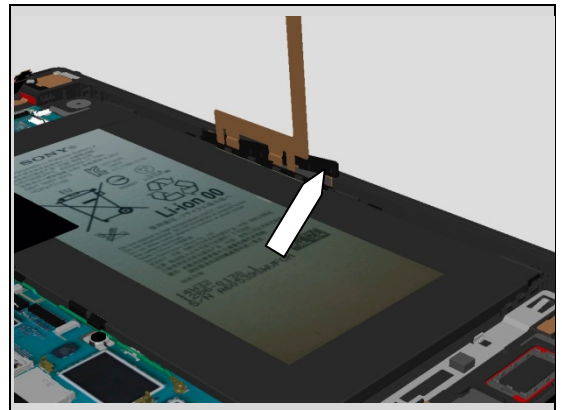


Reassembly

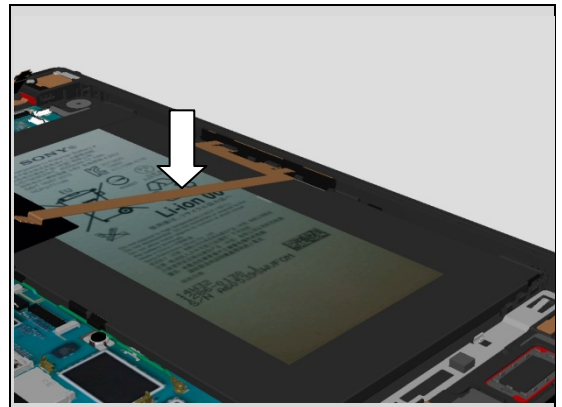
Secure position of Key Flex module by place the Frame Key



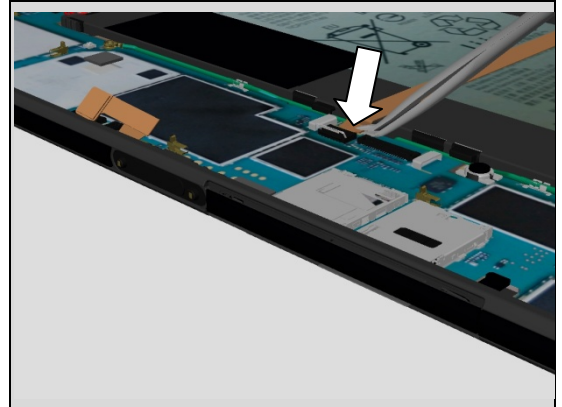
Secure the position of Frame Key



Fold down FPC of Key Flex module over Battery



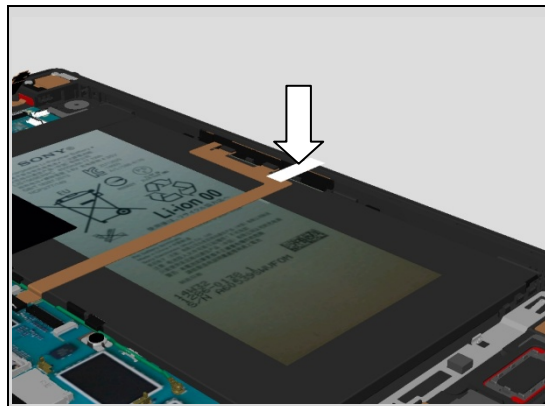
Use Flex Film Assembly Tool to secure the Key Flex module flex into ZIF contact and close contact.



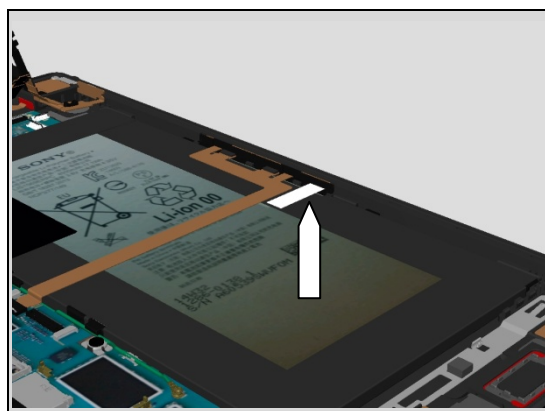
Reassembly

5.5 Sheet FPC Relay

Position the Sheet FPC Relay with Flex Film Assembly Tool

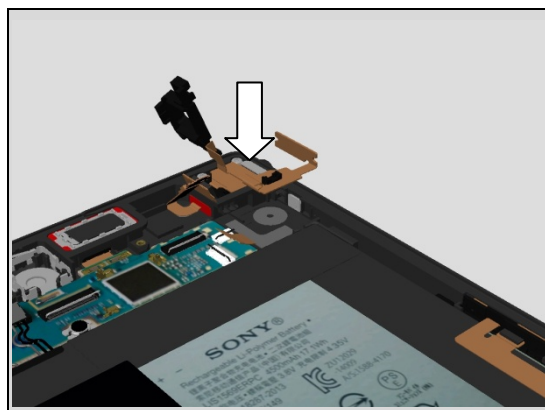


Press the Sheet FPC Relay with fingers

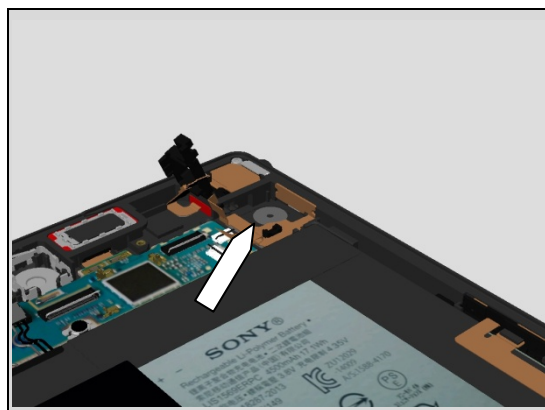


5.6 FPC Top Flex module

Place the FPC Top Flex module into the cavity with fingers



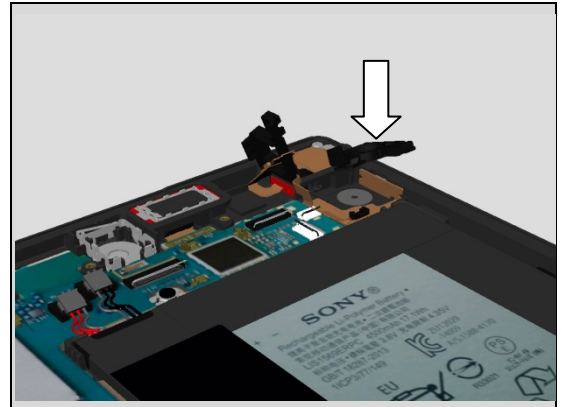
Secure position with fingers



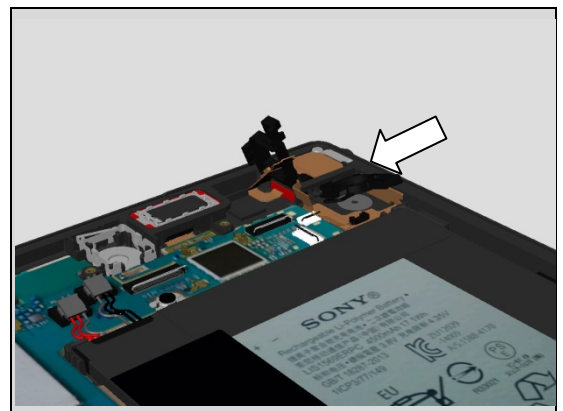
Reassembly

5.7 Holder Vibrator

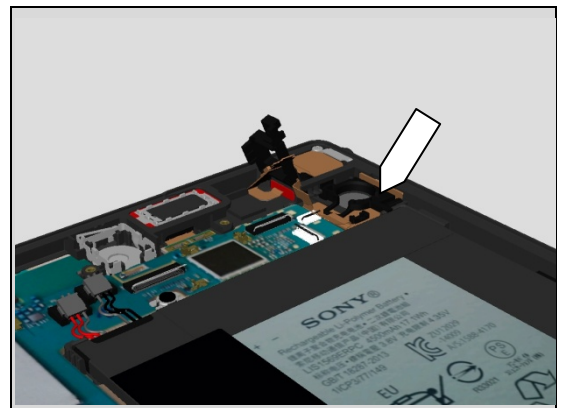
Place the Holder Vibrator into the cavity with fingers



Secure position with a hook to Main Cover

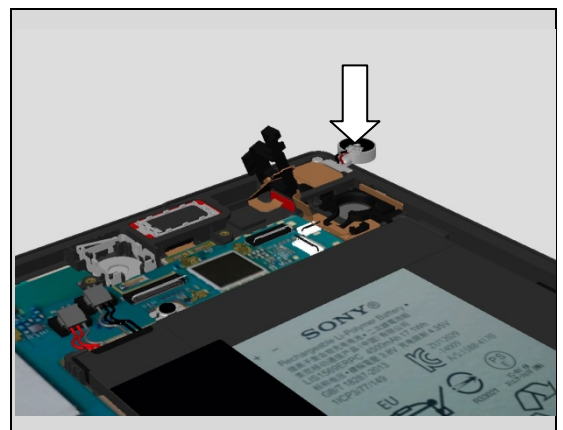


Position the Holder Vibrator



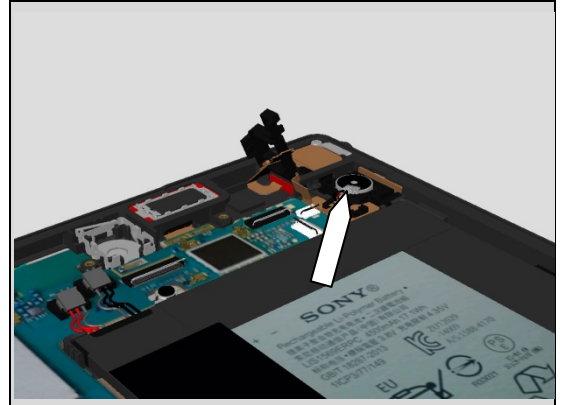
5.8 Vibrator

Place the Vibrator into the cavity of Holder Vibrator

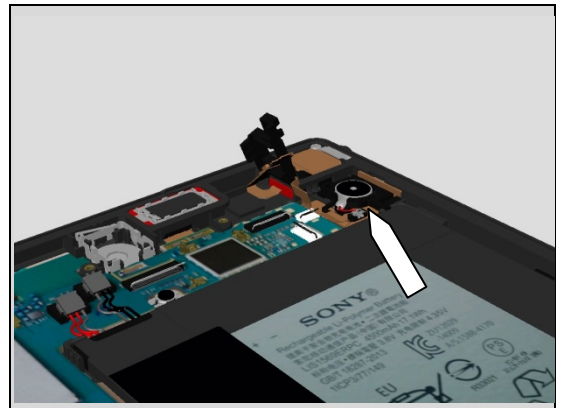


Reassembly

Secure the position

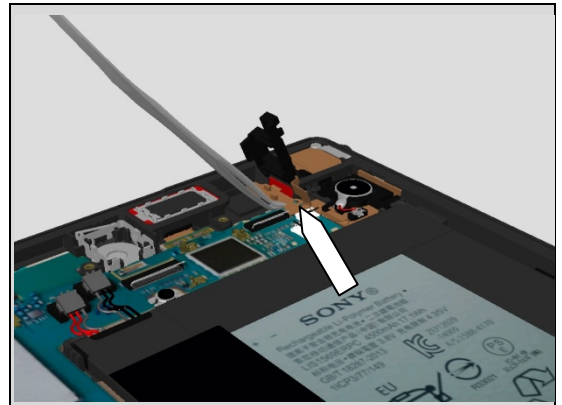


Secure the Vibrator contact with fingers

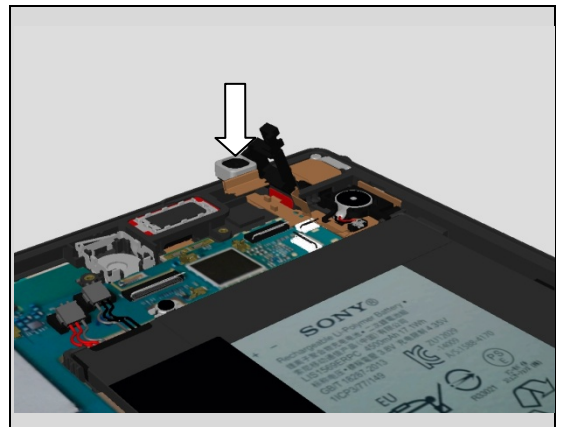


5.9 Chat Camera

Use Flex Film Assembly Tool to secure the flex into ZIF contact.

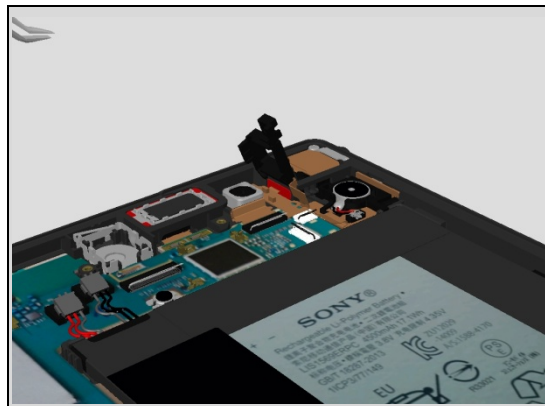


Place the Chat Camera into the cavity with fingers

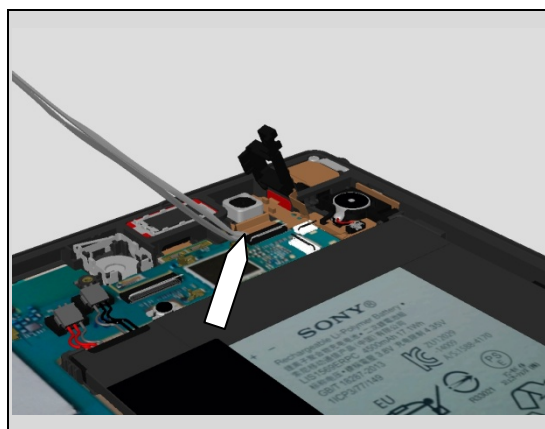


Reassembly

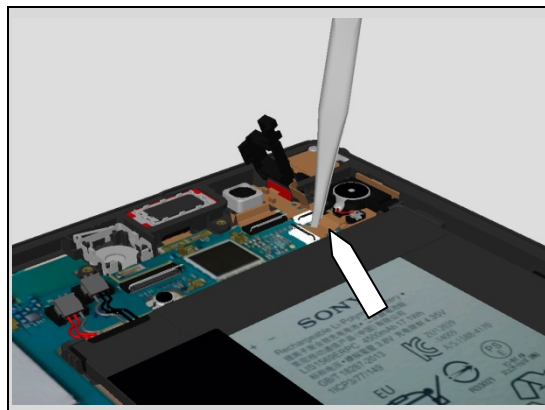
Secure the position of Chat Camera



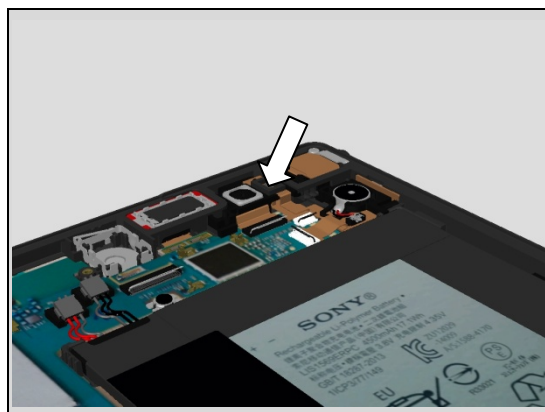
Use Flex Film Assembly Tool to secure the flex into ZIF contact.



Use Flex Film Assembly Tool to secure the flex into ZIF contact.

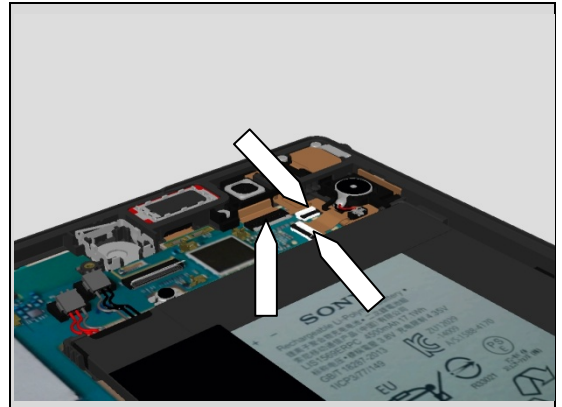


Fold down the FPC Top Flex module flex and apply 13 Ncm torque when tightening Screw Len:2.0 Diam:1.4 M with Bits (JCIS No 0).



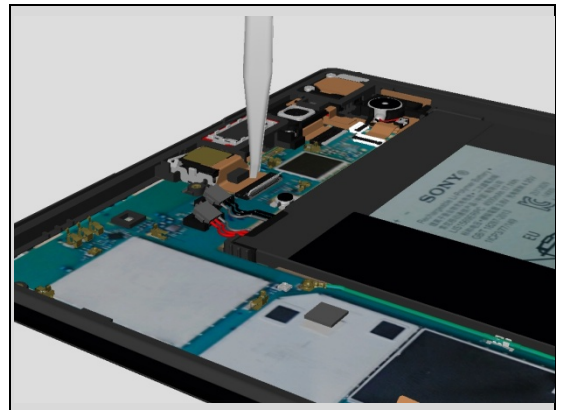
Reassembly

Close the three ZIF connectors

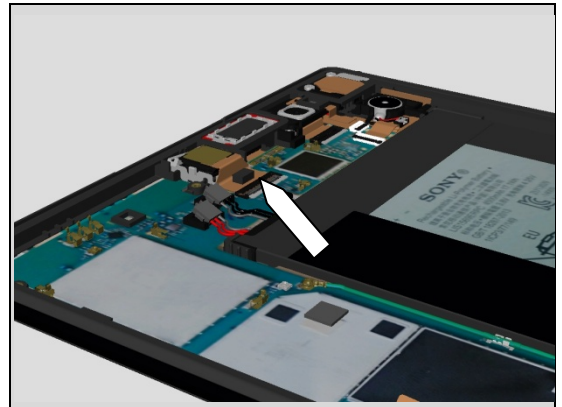


5.10 Main Camera

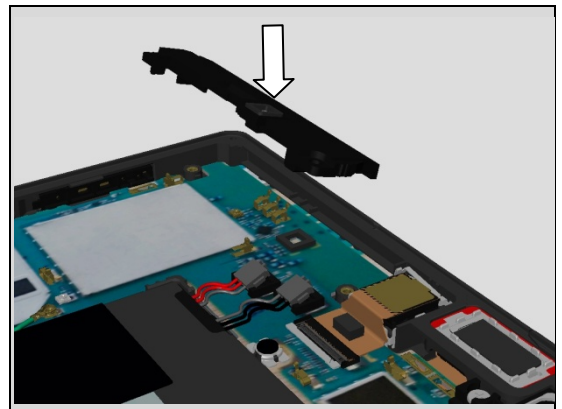
Place the Main Camera into the cavity with Flex Film Assembly Tool



Secure the flex into the ZIF connector and close it

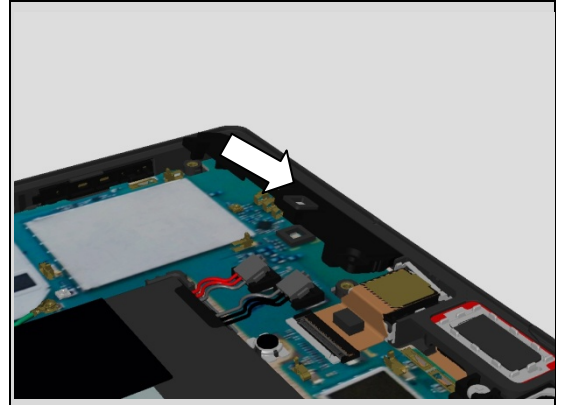


5.11 Antenna Main

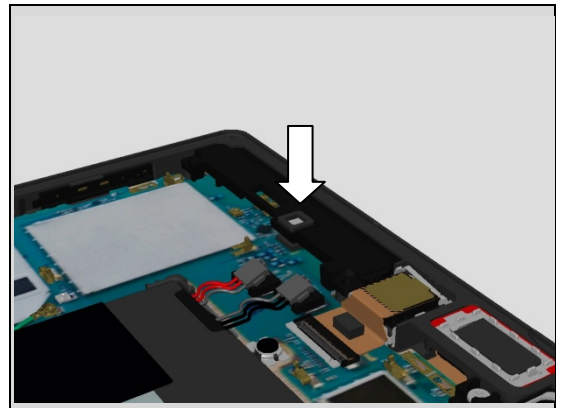


Reassembly

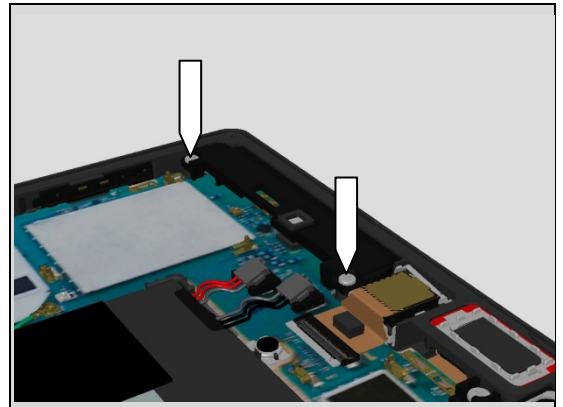
Place the Antenna Main into the cavity with fingers



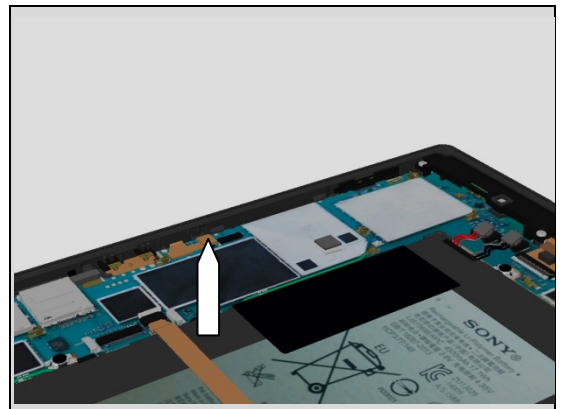
Secure position with fingers



Apply 13 Ncm torque when tightening Screw M1.4X3.0 with Bits (JCIS No 0).



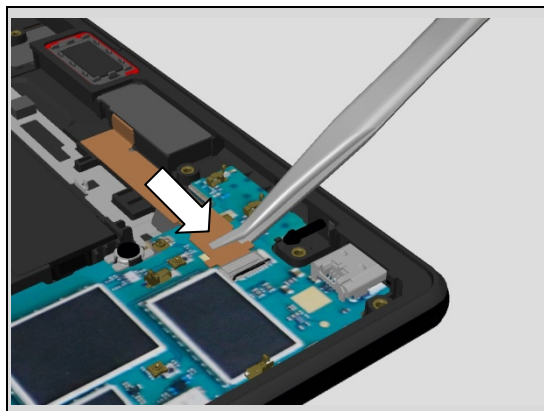
Use fingers to secure the BtB of Antenna NFC to Main PBA



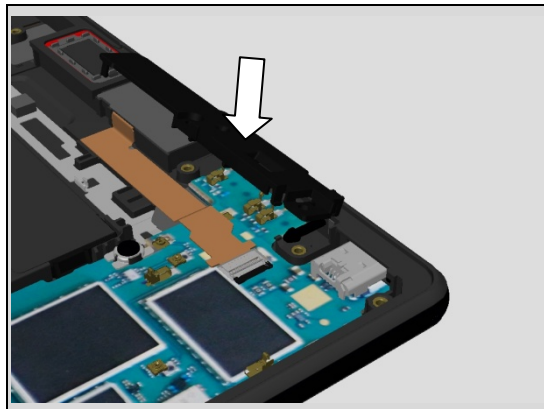
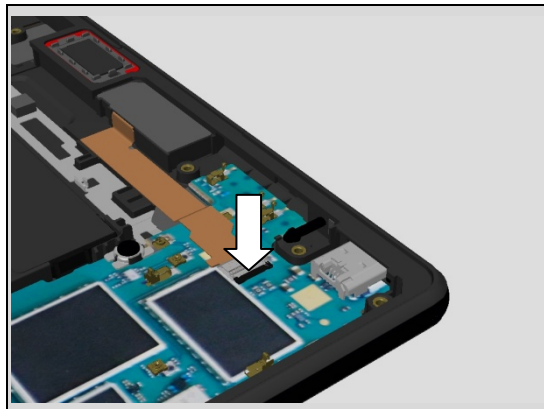
Reassembly

5.12 Antenna Diversity

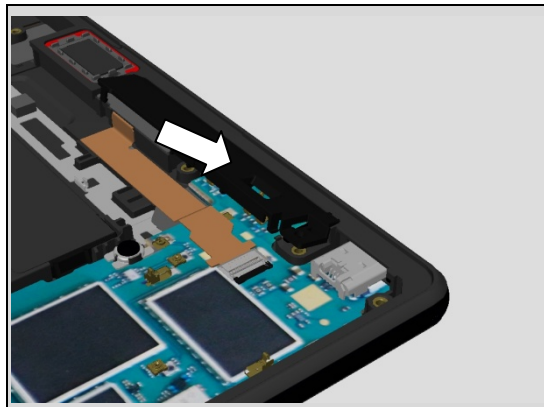
Use Flex Film Assembly Tool to secure the flex into ZIF contact.



Close ZIF contact with fingers

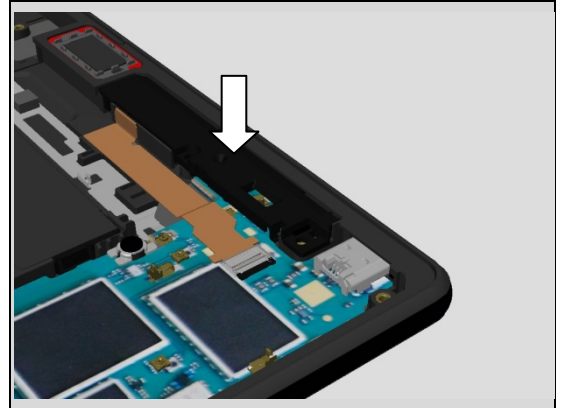


Place the Antenna Main into the cavity with fingers

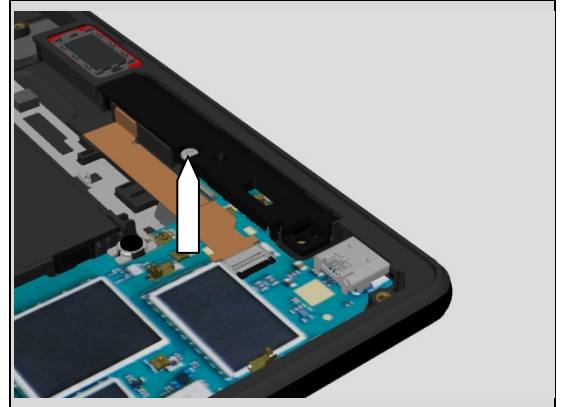


Reassembly

Secure position with fingers

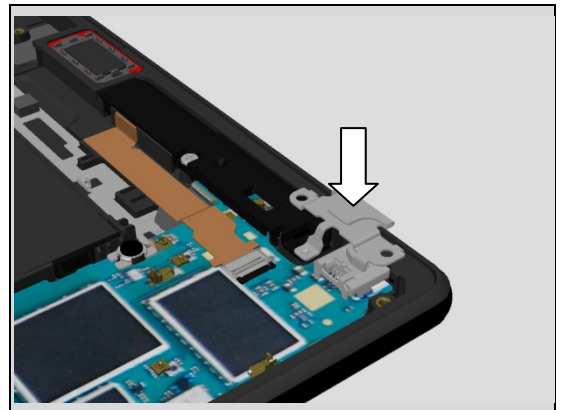


Apply 13 Ncm torque when tightening Screw M1.4X3.0 with Bits (JCIS No 0).

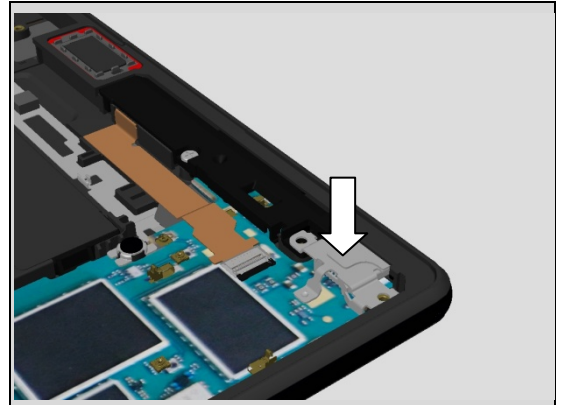


5.13 Plate USB

Place the Plate USB into cavity with a pair of tweezers



Secure position



Reassembly

Apply 13 Ncm torque when tightening Screw M1.4X3.0 with Bits (JCIS No 0).

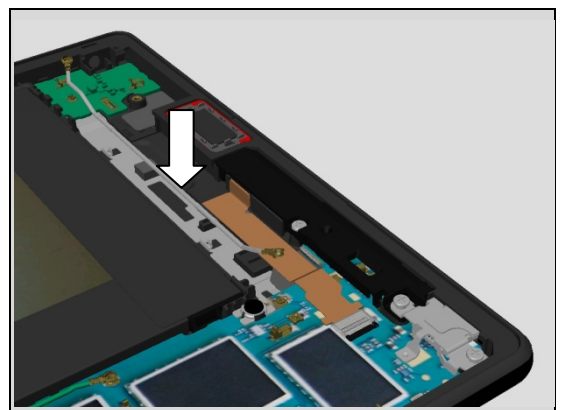
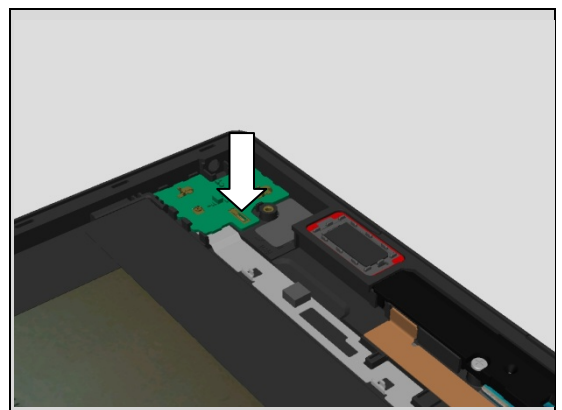
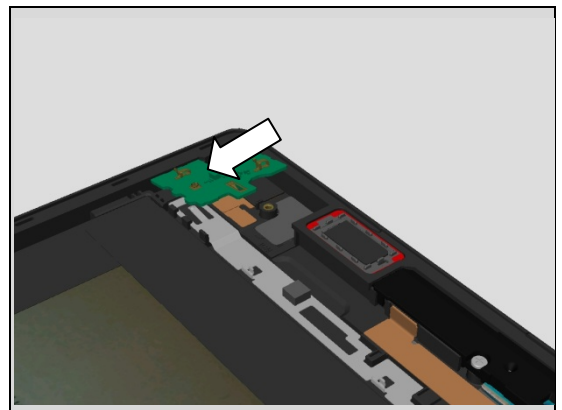
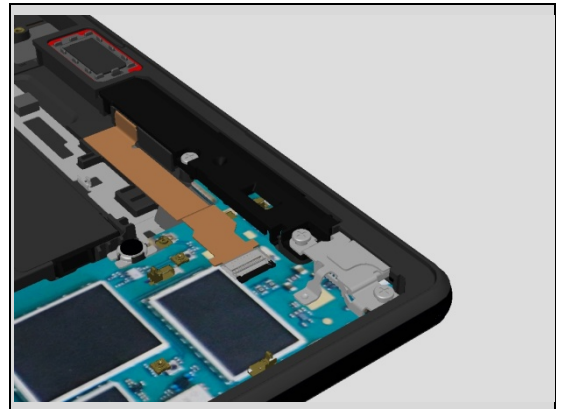
5.14 Sub PBA

Place the Sub PBA into the cavity with fingers

Secure position with fingers

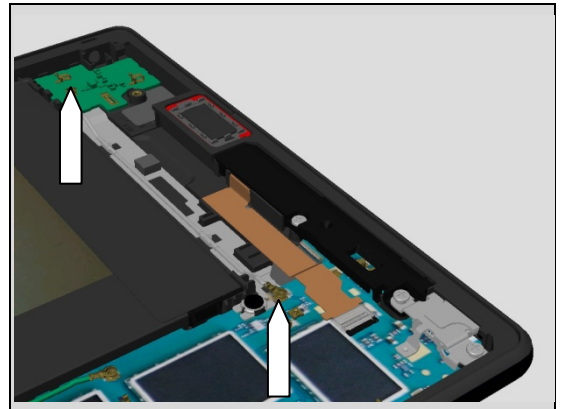
5.15 RF Cable WLAN

Secure position of RF Cable WLAN with Flex Film Assembly Tool



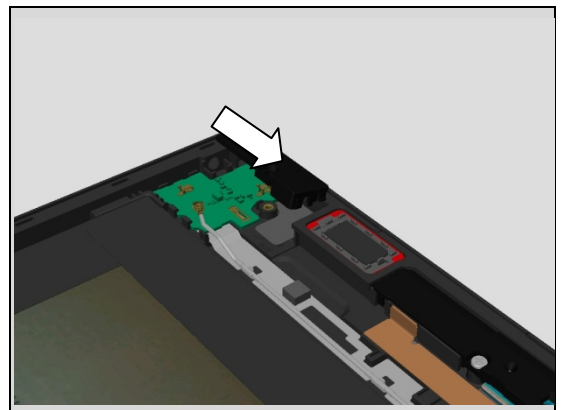
Reassembly

Connect RF Cable WLAN connectors to Main PBA and Sub PBA

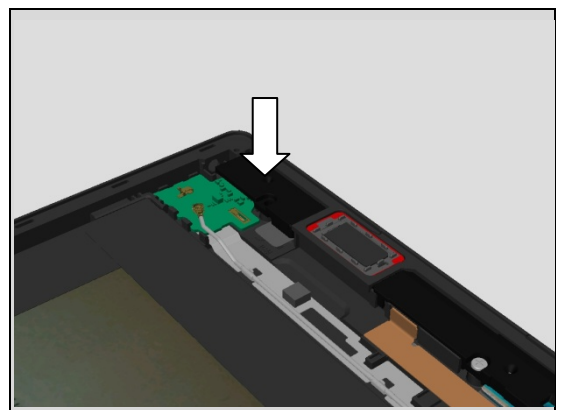


5.16 Antenna WLAN

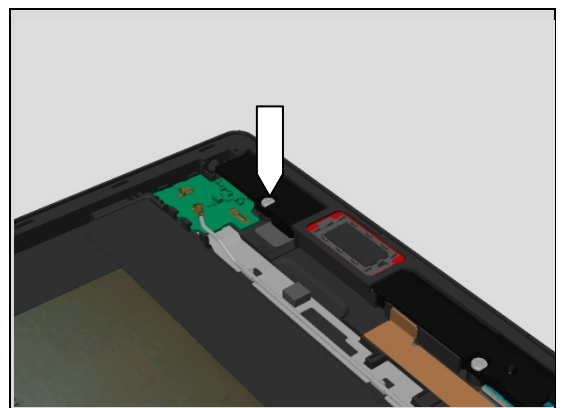
Place the Antenna Main into the cavity with fingers



Secure position with fingers



Apply 13 Ncm torque when tightening Screw M1.4X3.0 with Bits (JCIS No 0).

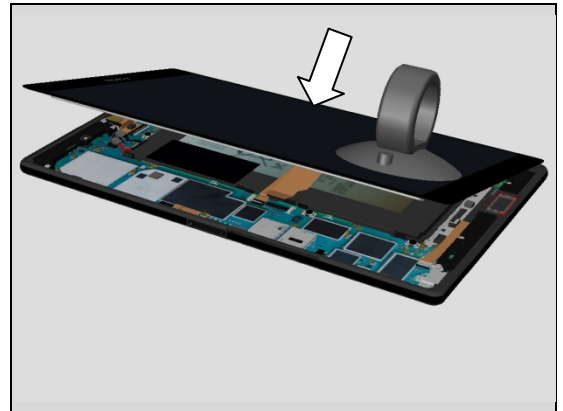


Reassembly

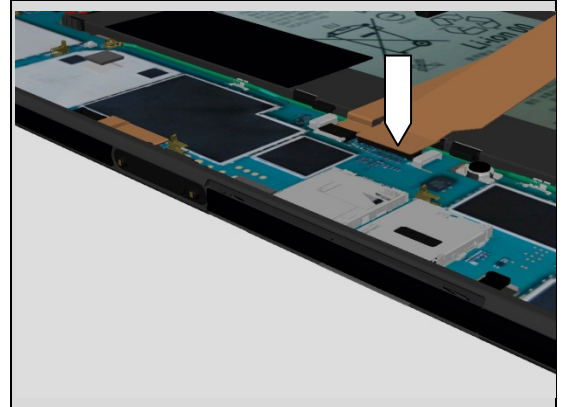
5.17 Display + Holder LCD FPC BTB

Before assembly the Display secure the repair quality
by assembly Display with protection foil on the
Adhesive WP Display

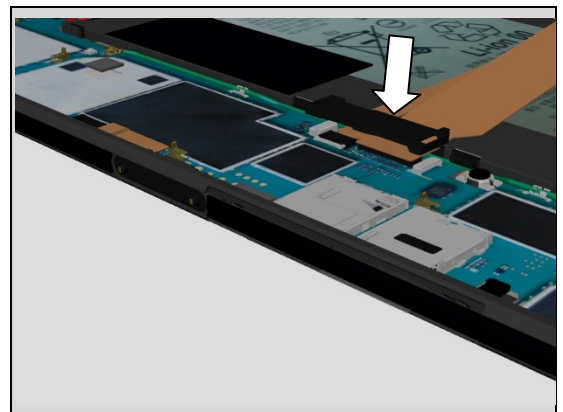
Position the Display with Suction Cup



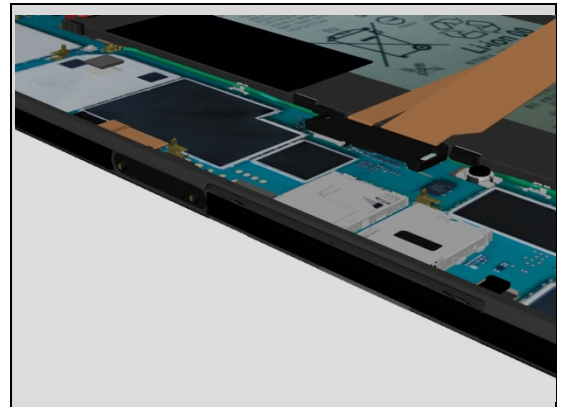
Connect the FPC Relay Flex module connector to Main PBA



Position Holder LCD FPC BTB with fingers



Secure the position



Reassembly

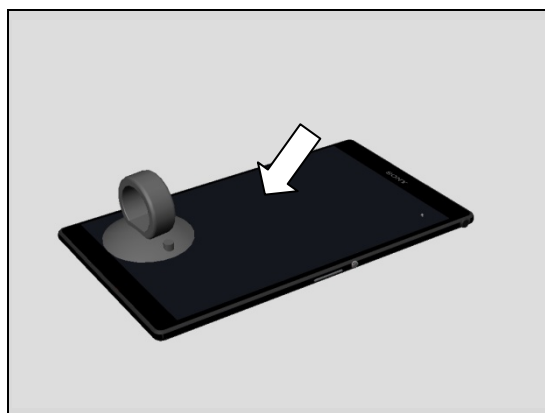
Connect Battery connectors.

Start the unit. Perform all the tests (service menu and manual tests according with Test instruction document 1292-1397)

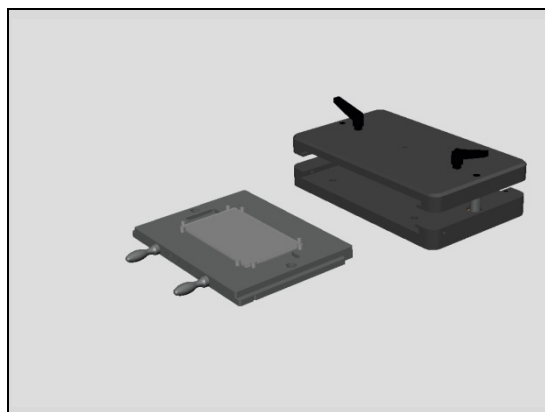
Only if all the tests are passed remove protection foil and continue assemble the Display to Main Cover.



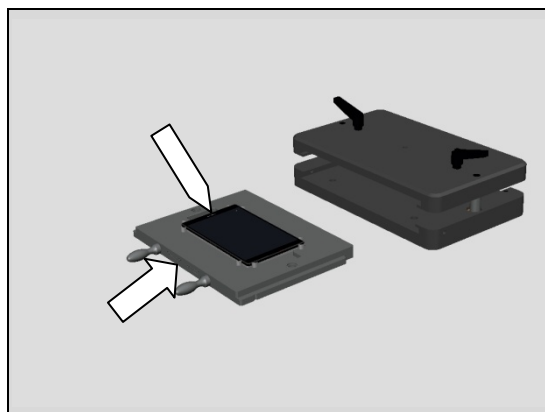
Secure Display position with fingers



Lower inlay = Bottom Press Inlay Edges



Place the unit as in the picture with Display side up and Sony brand to the left (see arrow). Insert the Lower inlay



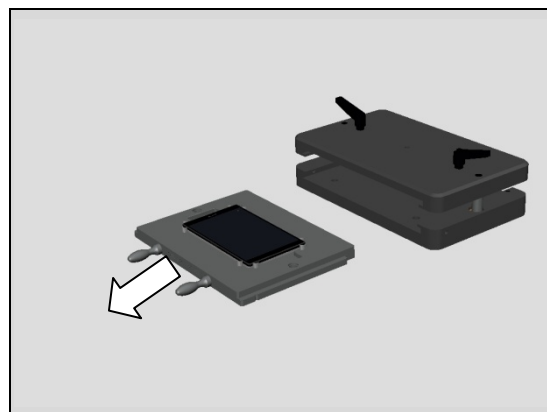
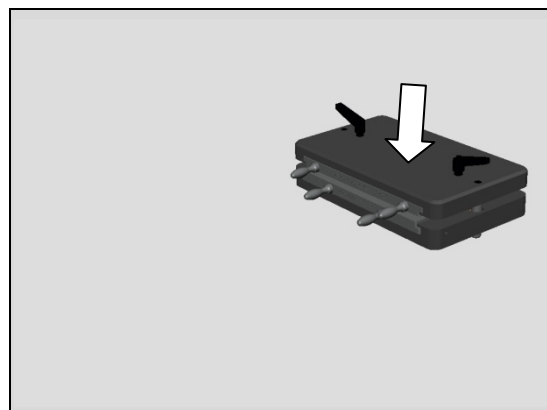
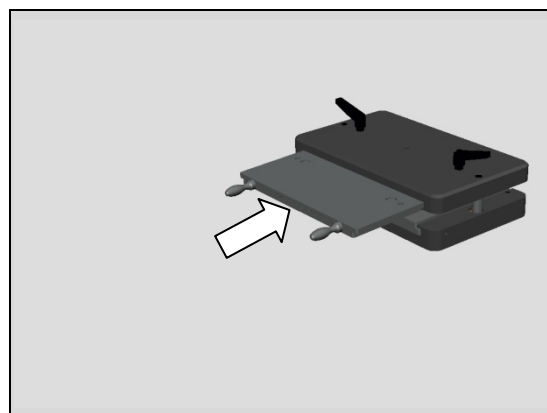
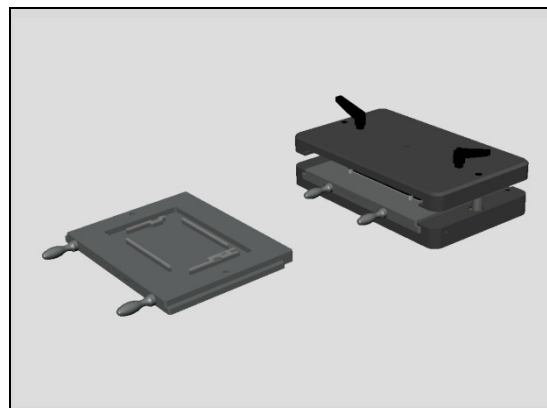
Reassembly

Upper inlay = Display Press Top Inlay Edges

Insert Upper inlay and follow the instruction in 1003-9107 Tool Catalogue – mechanical and document Toothed Rack Press Instruction for use.

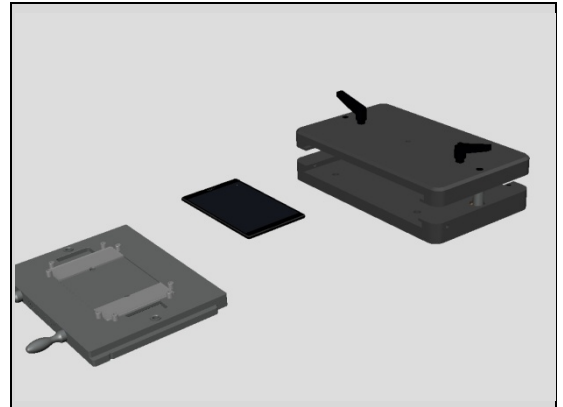
Press it with a pressure value of 750+/-50N for ten seconds

Take out Lower inlay and Upper inlay

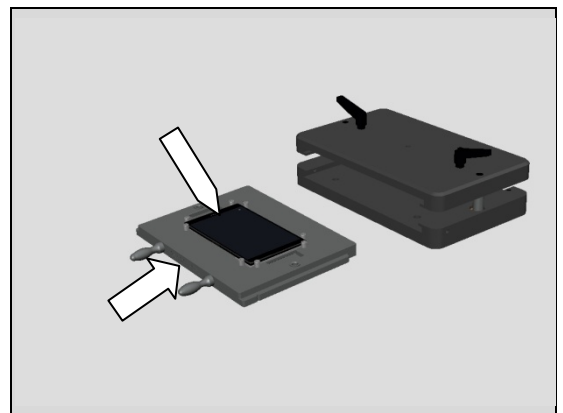


Reassembly

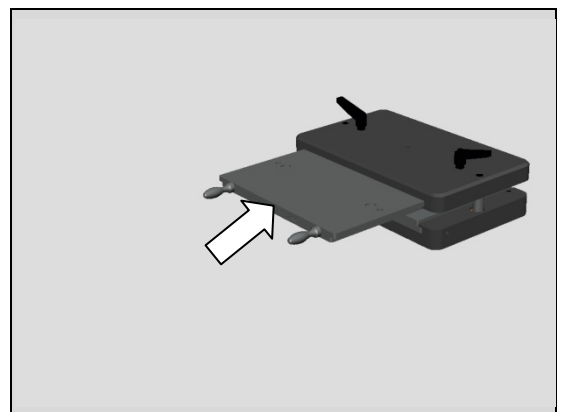
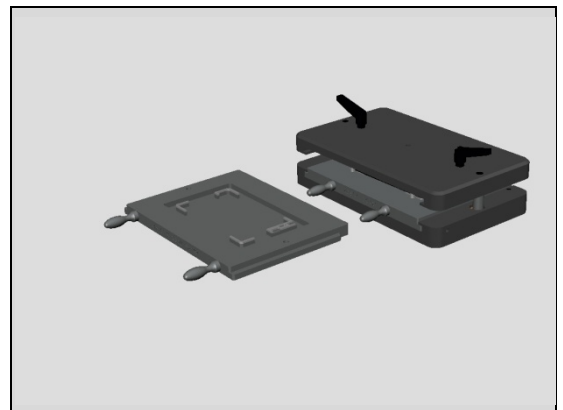
Lower inlay = Bottom Press Inlay Corners



Place the unit as in the picture with Display side up and Sony brand to the left (see arrow). Insert the Lower inlay

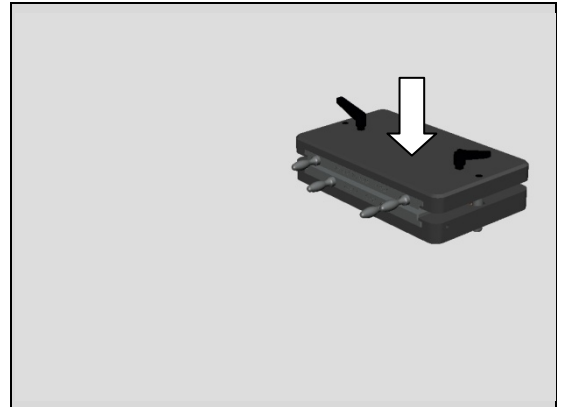


Upper inlay = Display Press Top Inlay Corners

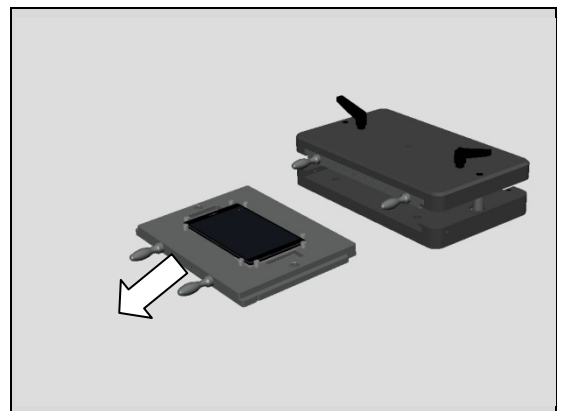


Reassembly

Press it with a pressure value of $220 \pm 30\text{N}$ for ten seconds

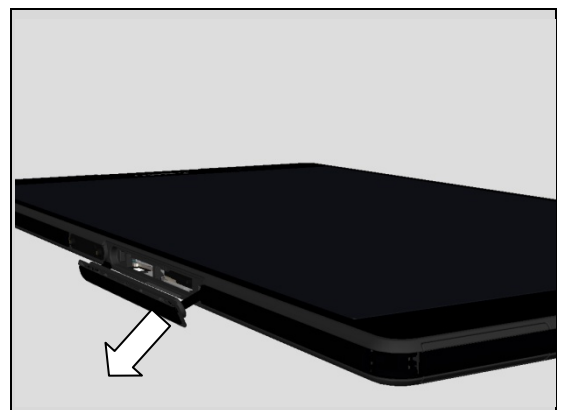


Take the unit out

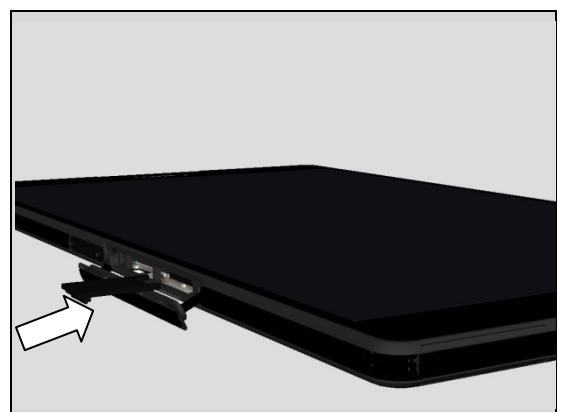


5.18 SIM Card nano

Open Cap SIM

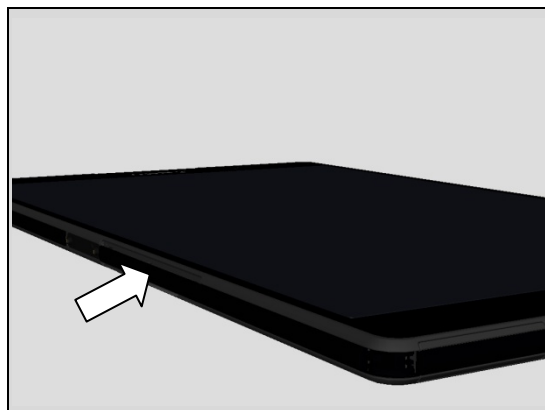


Insert SIM Card nano



Reassembly

Close Cap SIM



6 Revision History

Rev.	Date	Changes / Comments
1	2014-10-15	Initial release
2	2014-10-16	Changed screw torque in chapter 4.42 FPC JK Flex module to 12 Ncm