

Troubleshooting Guide

- mechanical -



Xperia™ X Compact
F5321

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Always firstly disconnect the Battery BtB connector to cut off power supply when the Cover Rear is disassembled.

Always finally connect the Battery BtB connector before the Cover Rear is reassembled.

1289-2983 SMRA(Sony Mobile Repair Application) Calibration or Flashing Customize by Emma or Aged Battery Reset by Emma must be performed when following Reassembly or Replacement.

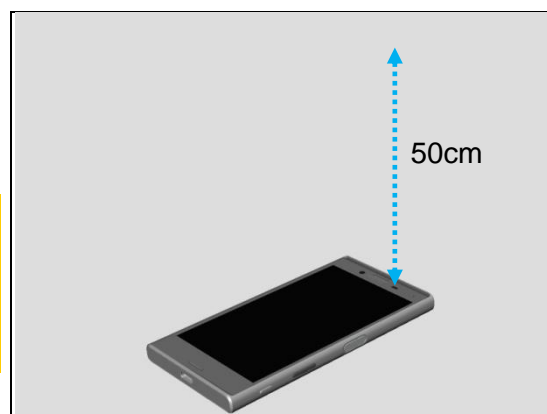
| | | SMRA Calibration | | | | | Emma | |
|-------------|-----------------|------------------|------------------|-------------------|---------|-----|--------------------|--------------------|
| | | Proximity | Noise Cancelling | Color ID Flashing | RGBC-IR | ToF | Flashing Customize | Aged Battery Reset |
| Reassembly | Front Assy | ○ | | | | | | |
| | PBA | ○ | | | | | | |
| Replacement | Front Assy | ○ | | | | | | |
| | PBA | ○ | ○ | ○ | ○ | ○ | | |
| | Key FPC | ○ | | | | | | |
| | Jack FPC Module | | ○ | | | | | |
| | Battery | | | | | | | ○ |
| | Cover Rear | | | | ○ | | | |
| | Sensor FPC | | | | ○ | ○ | | |
| | Loudspeaker | | | | | | ○ | |
| | Speaker Box | | | | | | ○ | |

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

Note!

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

The sensor window shouldn't be covered by protection film for proximity sensor calibration.



1 Problem Areas

1.1 Power

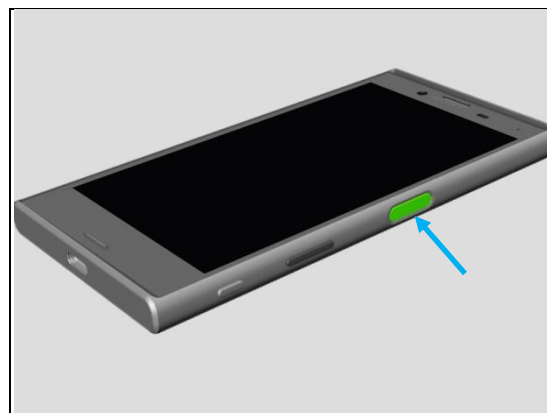
1.1.1 Will not power on or will switch off randomly

Check:

Check whether the Notification LED blinks by pressing the on/off key.

Action:

If NO Notification LED blink is detected, perform a force shut down, press power key and volume up key for 8 seconds (with three vibrations) and then power on the unit again.



Check:

Check whether the phone vibrates by pressing the on/off key.

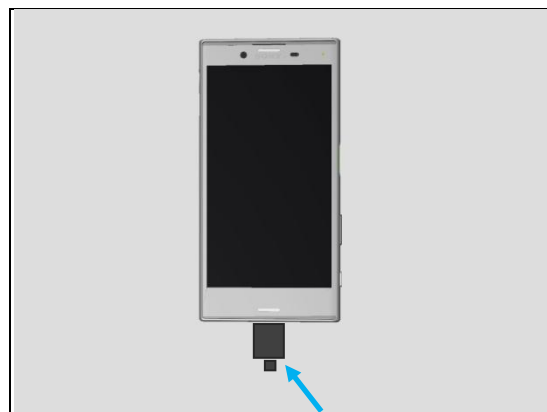
Action:

1. If activation of the vibrator is detected, refer to section 1.4 'Display'.



2. If NO activation of the Vibrator is detected and the Notification LED blinks by pressing the on/off key, check that the battery is charging when connected to a charger.

Follow Test Instruction - mechanical chapter 2.4.4 (Charging via Charger or Computer), Diagnostic Battery / Charging status.



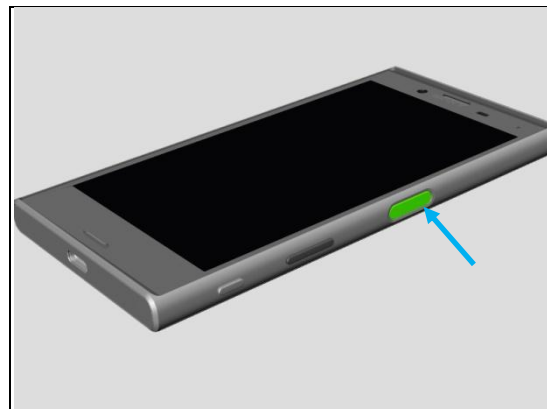
Problem Areas

Check:

Inspect the on/off key.

Action:

Refer to section 1.2.3 'On/Off Key'.

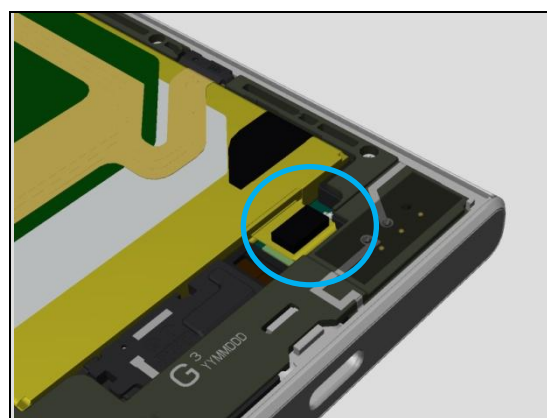


Check:

Inspect the BtB connector of the Battery to Main PBA.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean the both sides of the BtB connector.
3. If the BtB connector, the FPC or the Battery is damaged – replace the Battery.
4. Replace the PBA.



1.2 Keys

1.2.1 Back, Menu, Home and Multitask Keys

Action:

1. Refer to section 1.3 'Touch Screen'.
2. Replace Main PBA.



Problem Areas

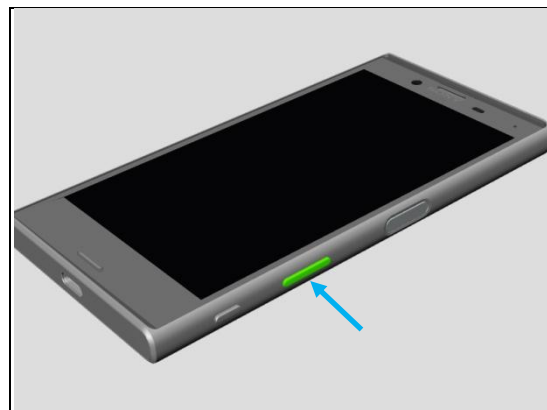
1.2.2 Volume Key

Check:

Inspect the external area of the Volume Key.

Action:

1. If dirty – clean it.
2. If damaged – replace the Front Assy.

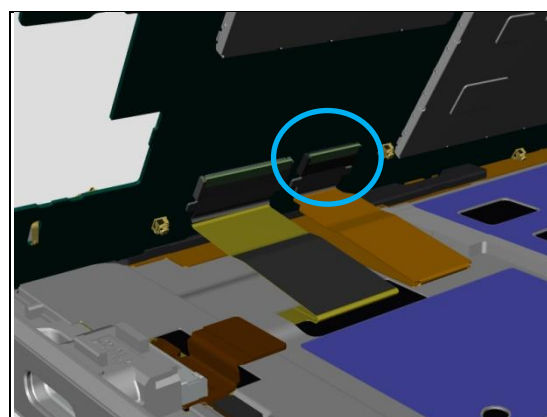


Check:

Inspect the ZIF connector of Key FPC to PBA.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the Key FPC side is damaged – replace the Key FPC.

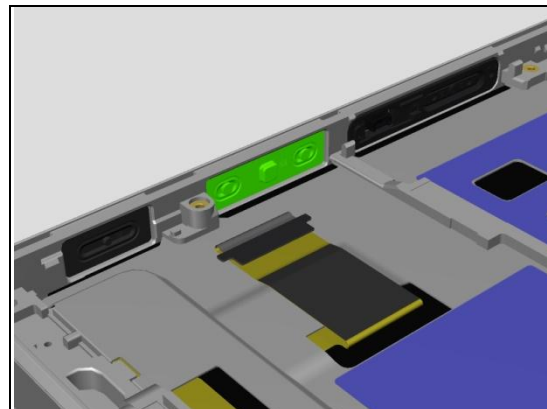


Check:

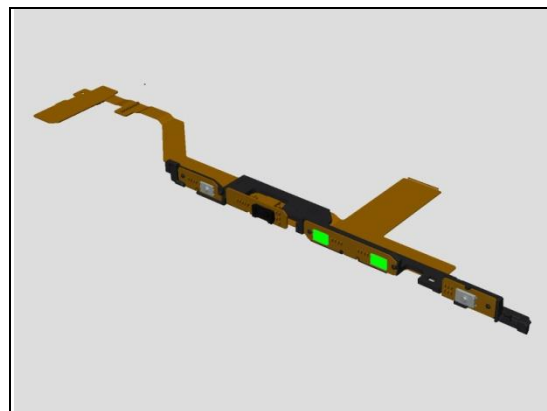
Inspect the condition of Volume Key Rubber and Key Switches of FPC Side.

Action:

1. If dirty – clean them.
2. If the Volume Key or its rubber is damaged – replace the Front Assy.



3. If the Key Switches is damaged – replace the Key FPC.



Problem Areas

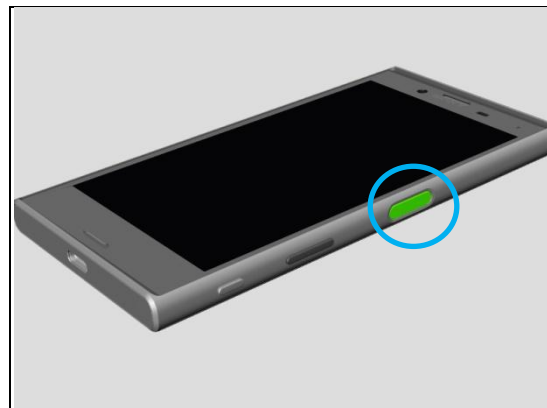
1.2.1 On/Off Key

Check:

Inspect the external area of the On/Off Key.

Action:

1. If dirty – clean it.
2. If damaged – replace the Fingerprint Sensor Assy.

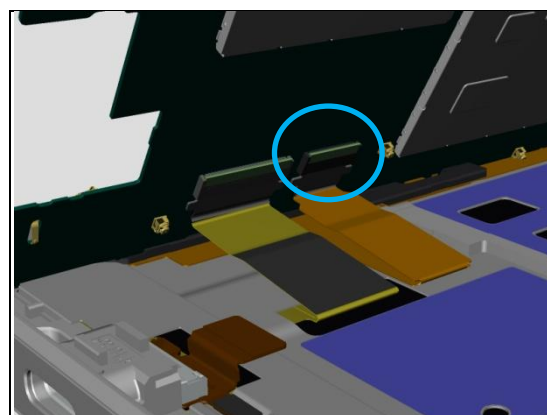


Check:

Inspect the ZIF connector of FPC Key to Main PBA.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the Key FPC side is damaged – replace the Key FPC.

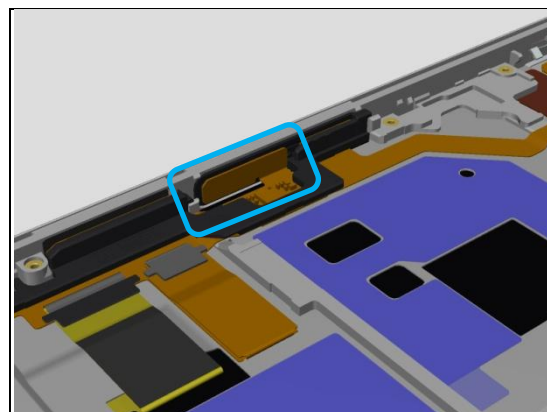


Check:

Inspect the connector of FPC Key to On/Off Key.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the Key FPC side is damaged – replace the Key FPC.

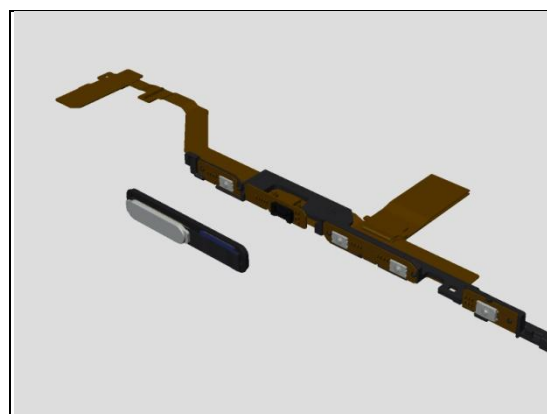


Check:

Inspect the condition of the On/Off Key rubber and switch.

Action:

1. If dirty – clean them.
2. If the On/Off Key Switch or its rubber is damaged – replace the Fingerprint Sensor.



Problem Areas

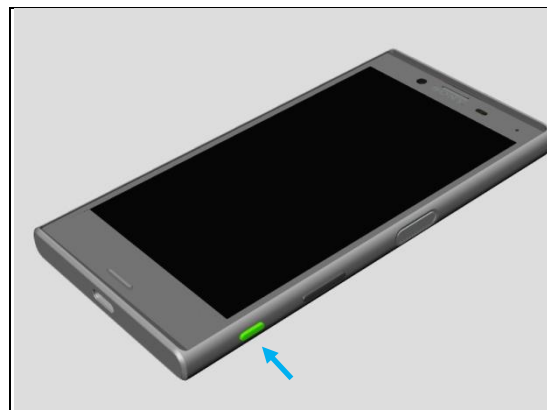
1.2.2 Camera Key

Check:

Inspect the external area of the Camera Key.

Action:

1. If dirty – clean it.
2. If damaged – replace the Front Assy.

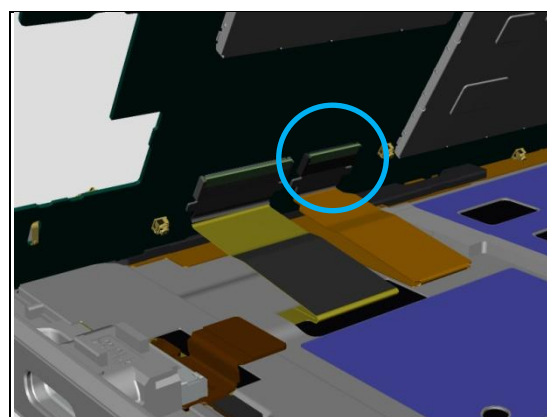


Check:

Inspect the ZIF connector of Key FPC to PBA.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.

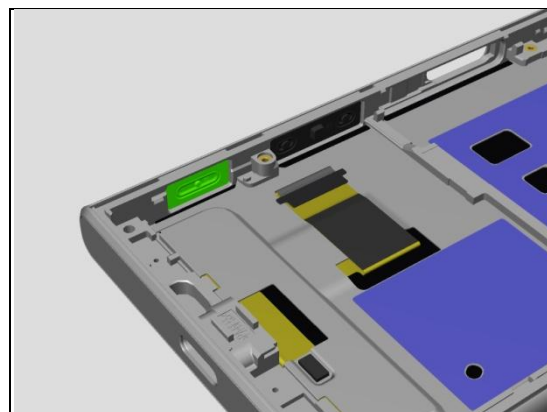


Check:

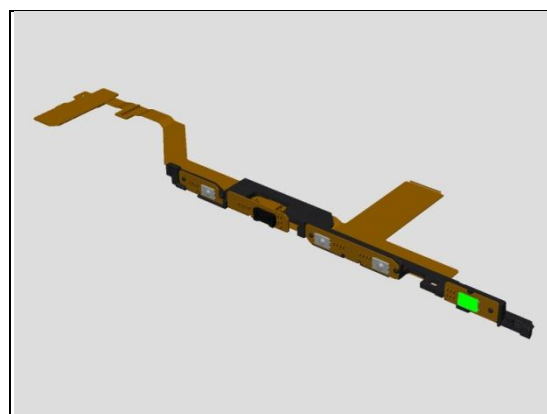
Inspect the condition of Camera Key rubber and Key Switch of FPC Side.

Action:

4. If dirty – clean them.
- If the Key Volume or its rubber is damaged – replace the Front Assy.



3. If the Key Switch is damaged – replace the Key FPC.



Problem Areas

1.3 Touch Screen

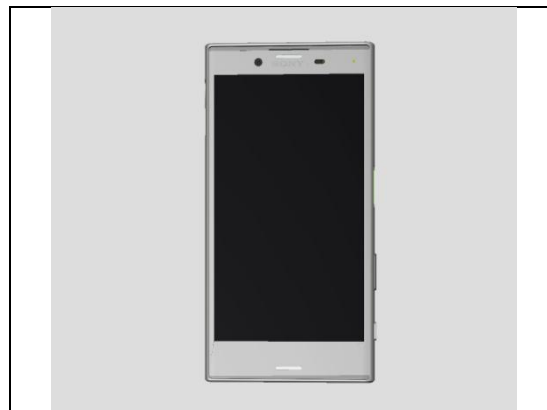
1.3.1 Touch Screen malfunction

Check:

Inspect the touch screen of the Front Assy.

Action:

1. If dirty – clean it.
2. If scratched or damaged – replace the Front Assy.

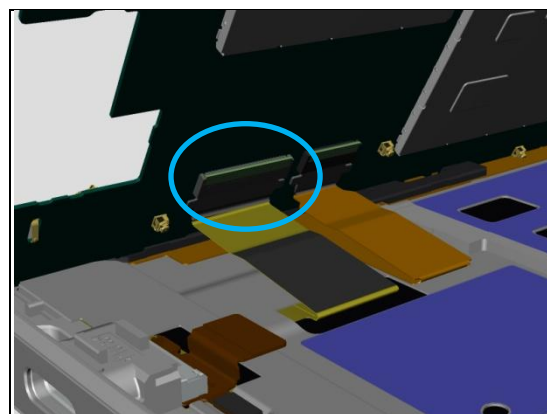


Check:

Inspect the BtB connector of FPC LCD (in Front Assy) to PBA.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the FPC LCD is damaged – replace the Front Assy.
4. If the ZIF connector is damaged – replace the PBA.



Problem Areas

1.4 Display

1.4.1 Graphics & Illumination

Check:

Check whether the phone vibrates after the on/off key has been pressed.

Action:

1. If the activation described above is not detected, refer to section 1.1 'Power'.

3. If the Front Assy is damaged – replace it.

Check:

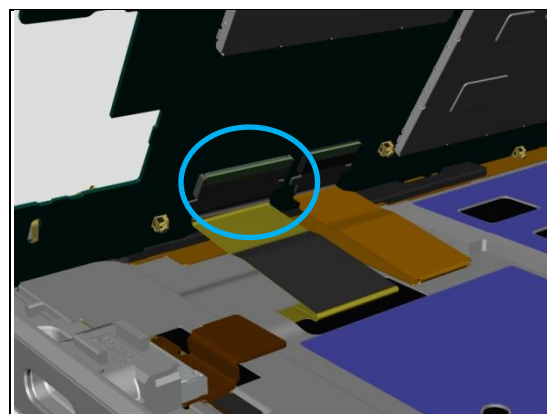
Inspect the ZIF connector of LCD FPC to PBA.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.

3. If the FPC LCD is damaged – replace the Front Assy.

4. If the ZIF connector is damaged – replace the PBA.



Problem Areas

1.5 LED/Illumination

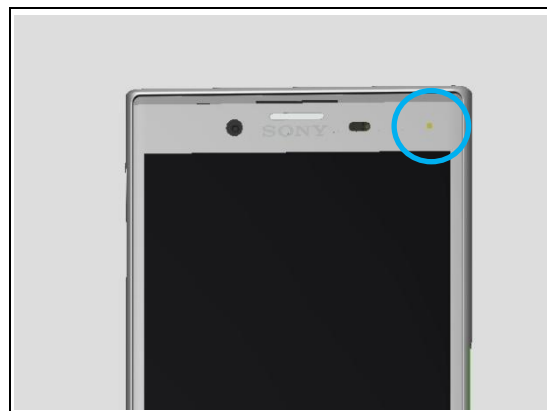
1.5.1 LED/Illumination

Check:

Inspect external window area of Notification LED on the Front Assy.

Action:

1. If dirty – clean it.

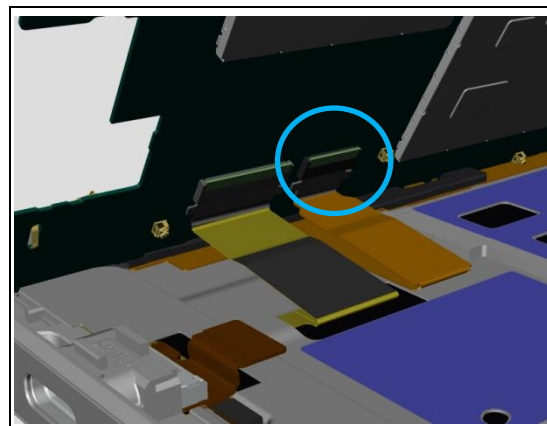


Check:

Inspect the ZIF connector of Key FPC to PBA.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the ZIF connector is damaged – replace the PBA.

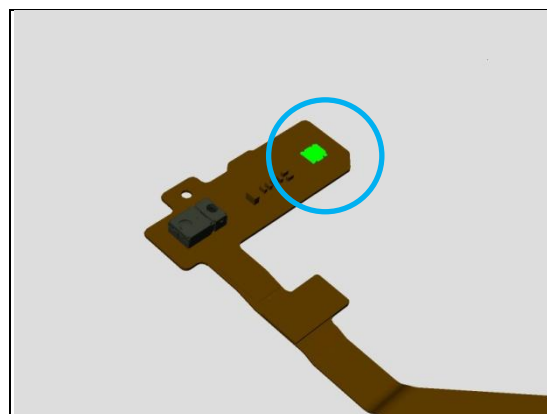


Check:

Inspect the LED on the Key FPC.

Action:

1. If dirty or oxidized – clean it.
2. If damaged – replace the Key FPC



Problem Areas

1.6 Speaker

1.6.1 Speaker

Check:

Inspect the Speaker external port on the Front Assy.

Action:

1. If clogged – clean it.
2. If damaged –replace the Front Assy

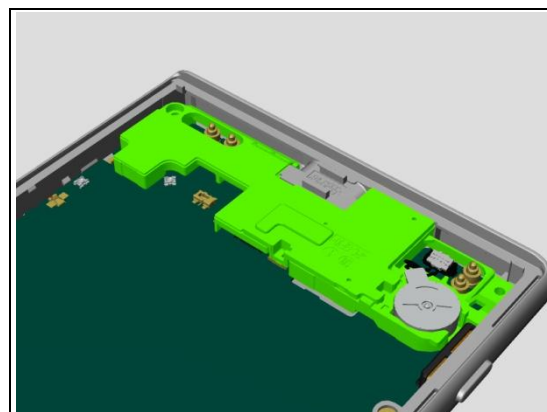


Check:

Inspect the Speaker Box is assembled well into place.

Action:

1. If not assembled well – reassemble it.

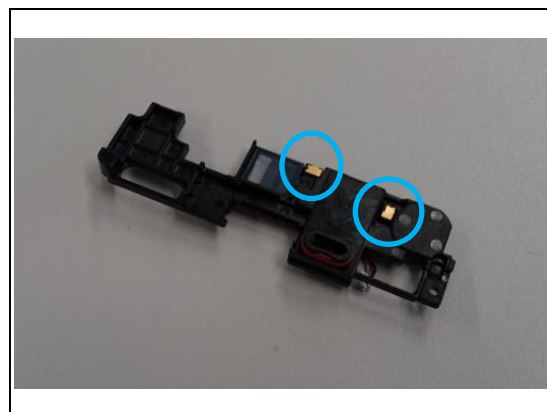


Check:

Inspect the contact points of Speaker Box.

Action:

1. If dirty –clean them.
2. If damaged –replace the Speaker Box.

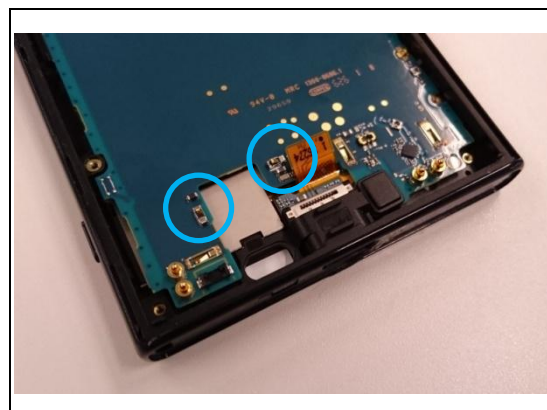


Check:

Inspect the contact pins on the PBA.

Action:

1. If dirty – clean them.
2. If damaged –replace the PBA.



Problem Areas

1.7 Earphone

1.7.1 Loudspeaker

Check:

Inspect the external port of Loudspeaker on the Front Assy.

Action:

1. If clogged – clean it.

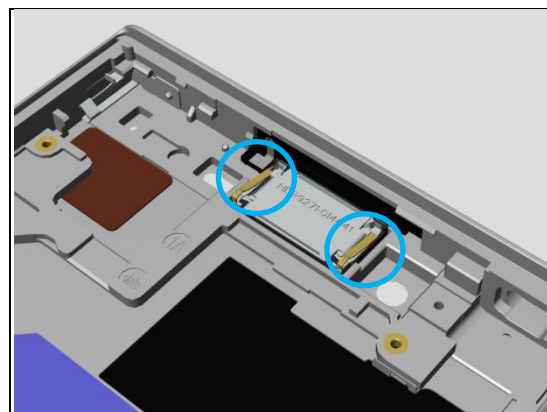


Check:

Inspect the contact pins of Loudspeaker.

Action:

1. If dirty – clean them.
2. If the contact pins are damaged –replace the Loudspeaker.

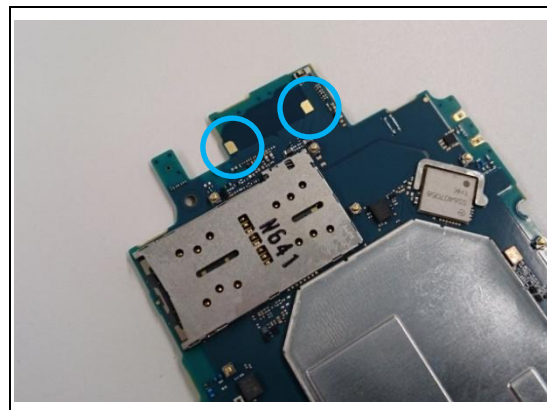


Check:

Inspect the contact points of PBA.

Action:

1. If dirty – clean them.
2. If the contact points are damaged –replace the PBA.



Problem Areas

1.8 Microphone

1.8.1 Primary Microphone

Check:

Inspect the Primary Microphone's external port on the Front Assy.

Action:

1. If clogged – clean it.

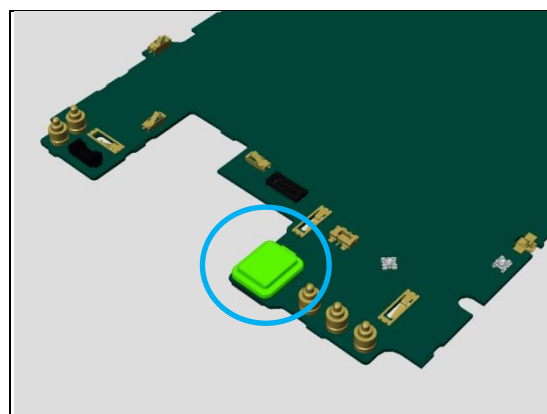


Check:

Inspect condition of the Cap Mic 1.

Action:

1. If not assembled well or damaged –replace the Cap Mic 1.

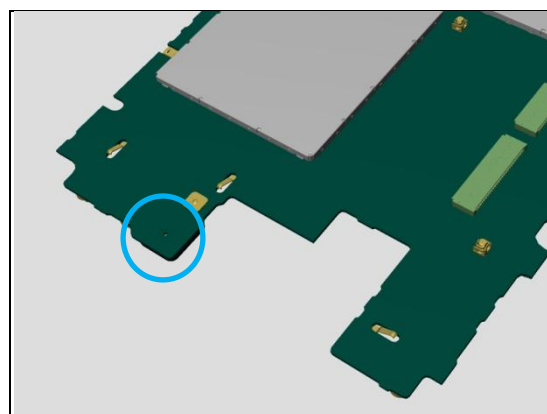


Check:

Inspect the Mic hole of PBA.

Action:

1. If clogged or dirty or oxidized – clean it.

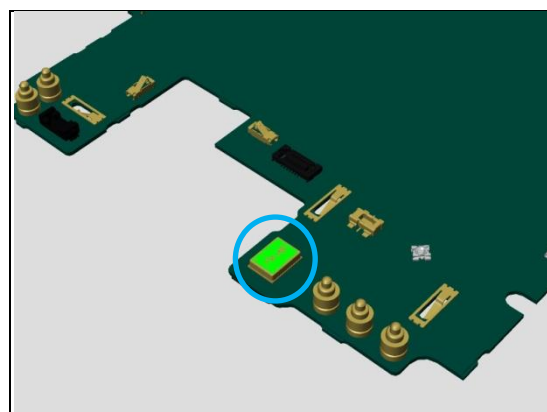


Check:

Inspect the Mic 1 on the PBA.

Action:

1. If the Mic 1 on the PBA is damaged – replace the PBA.



Problem Areas

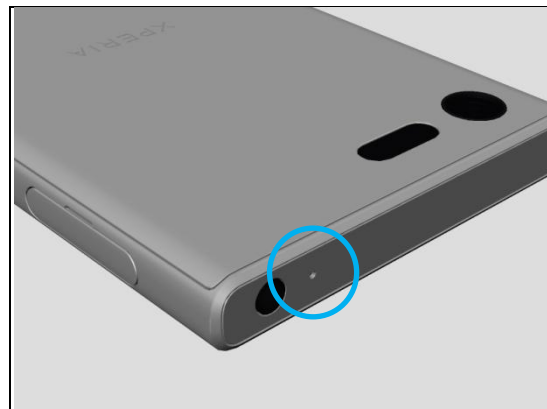
1.8.2 Secondary Microphone

Check:

Inspect the external port of secondary microphone on the Front Assy.

Action:

1. If clogged – clean it.
2. If Panel Top is damaged – replace the Panel Top

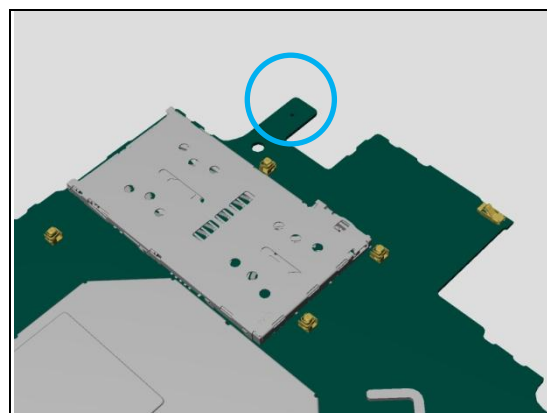


Check:

Inspect the Mic hole of PBA.

Action:

1. If clogged or dirty or oxidized – clean it.

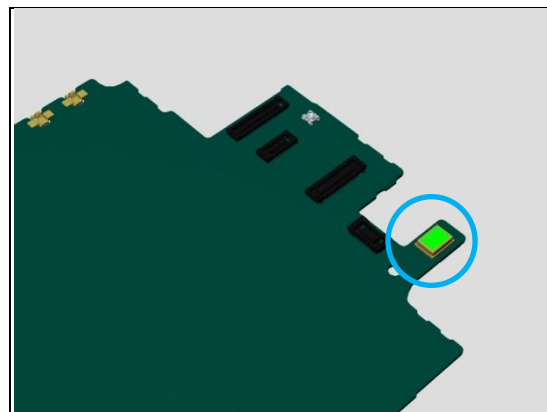


Check:

Inspect the Mic 2 on the PBA.

Action:

1. If the Mic 2 on the PBA is damaged – replace the PBA.



Problem Areas

1.9 Vibrator

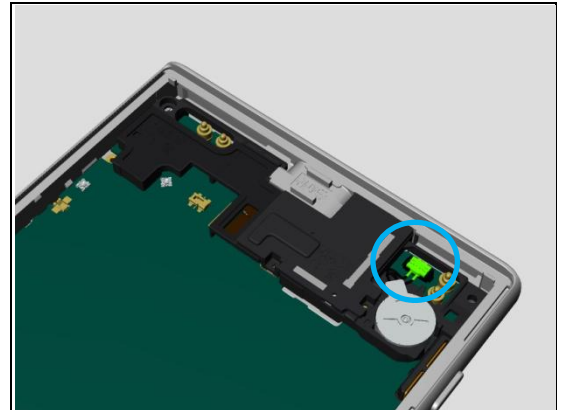
1.9.1 Vibrator

Check:

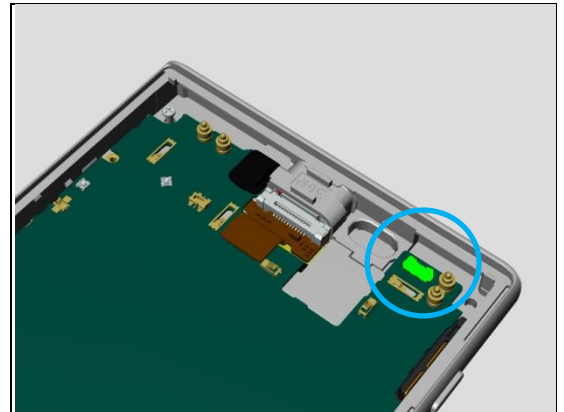
Inspect the BtB connector of the Vibrator.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the Vibrator is damaged – replace the Vibrator.



4. If Connector of the PBA is damaged – replace the PBA.



Problem Areas

1.10 Camera

1.10.1 Main Camera

Check:

Inspect the external area of camera window.

Action:

1. If dirty – clean it.
2. If scratched or damaged – replace the Cover Rear

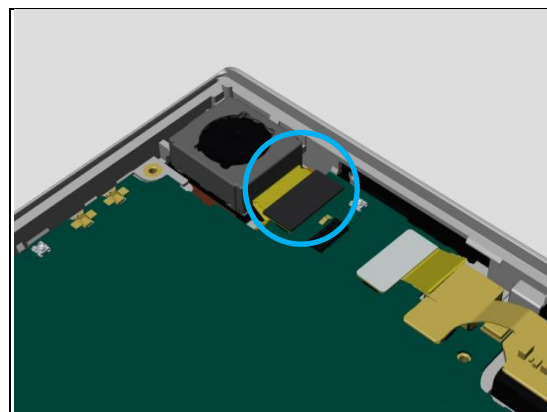


Check:

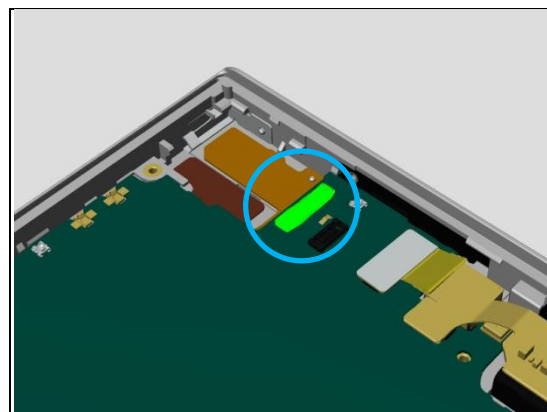
Inspect the BtB connector of Main Camera to PBA.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the Main Camera is damaged – replace the Main Camera.



4. If connector of the PBA – replace the PBA.



Problem Areas

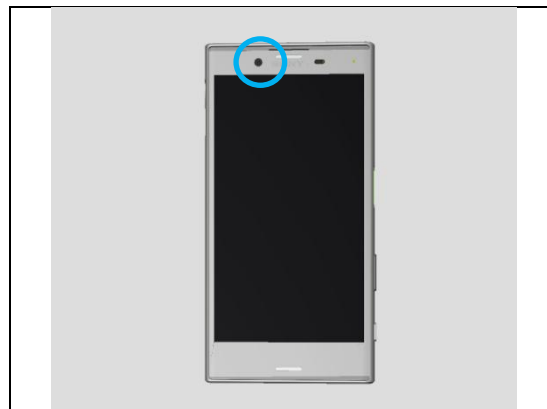
1.10.2 Secondary Camera

Check:

Inspect the external area of the Chat Camera window.

Action:

1. If dirty – clean it.
2. If scratched or damaged – replace the Front Assy.

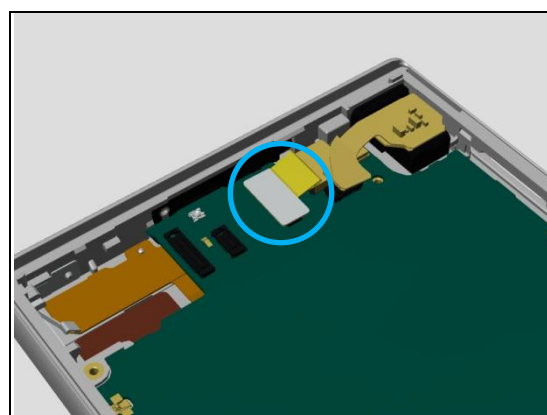


Check:

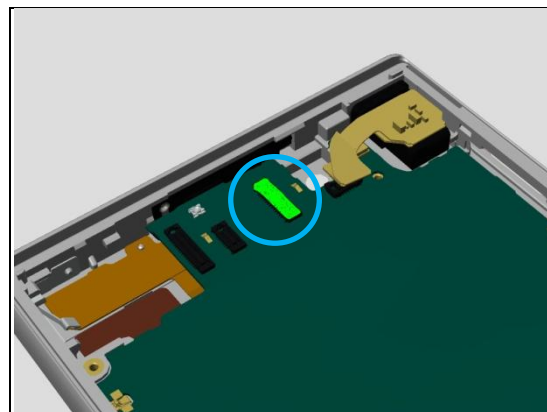
Inspect the BtB connector of Chat Camera to PBA.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the Chat Camera is damaged – replace the Chat Camera.



4. If connector of the PBA is damaged– replace the PBA.



Problem Areas

1.11 Flash LED

1.11.1 Flash LED not flashing

Check:

Inspect the external area of the flash LED.

Action:

1. If dirty – clean it.
2. If scratched or damaged – replace the Cover Rear.

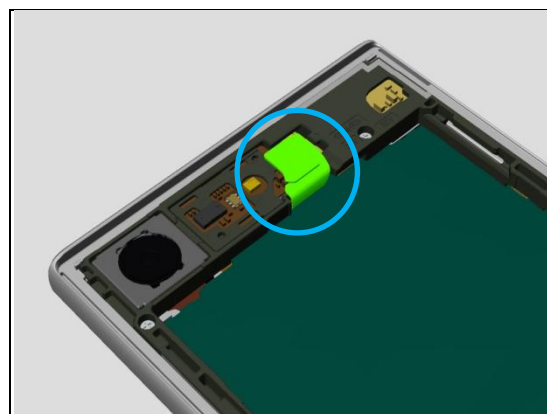


Check:

Inspect the connector of Relay FPC.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the Relay FPC is damaged – replace the Relay FPC.

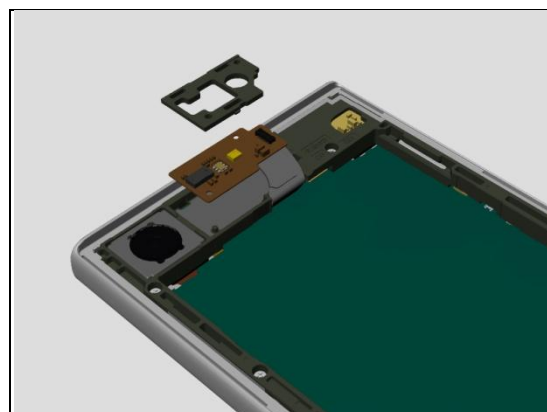


Check:

Inspect the Flash LED on Sensor FPC.

Action:

1. If dirty – clean it.
2. If the Sensor FPC is damaged – replace the Sensor FPC and Holder FPC Sensor.

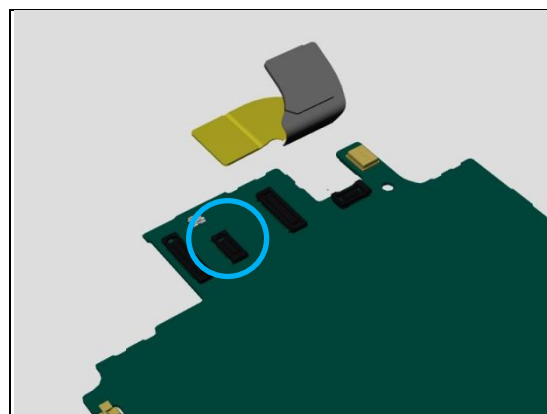


Check:

Inspect the connector of Relay FPC to PBA.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the Relay FPC is damaged – replace the Relay FPC.
4. If the connector of PBA is damaged – replace the PBA.



Problem Areas

1.12 Bluetooth and WLAN

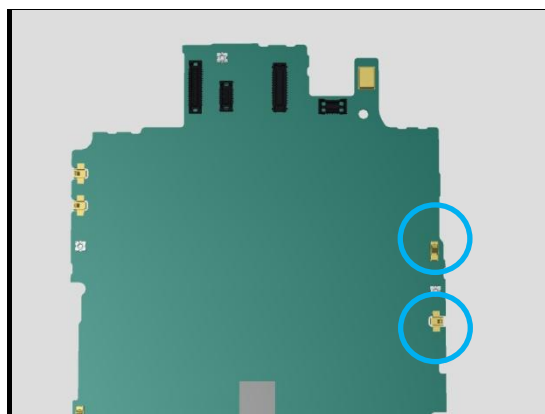
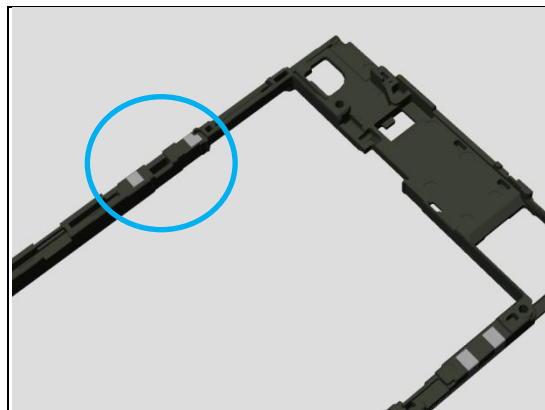
1.12.1 Bluetooth or WLAN connection failure

Check:

Inspect the WLAN contact pads on Frame Main and the contact pins on PBA.

Action:

1. If dirty or oxidized – clean the pads and pins.
2. If the contact pads on Frame Main are damaged – replace the Frame main.
3. If the contact pins on PBA is damaged – replace the PBA.



Problem Areas

1.13 NFC

1.13.1 NFC malfunctions

Check:

Inspect the Holder NFC Antenna, Ant NFC Flex and the contact pins on Frame Main .

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the Holder NFC Antenna is damaged – replace the Holder NFC Antenna.

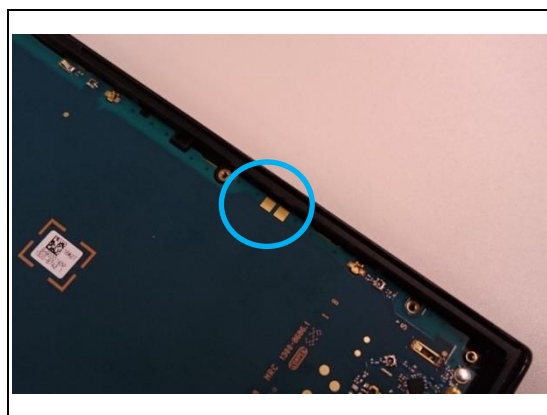
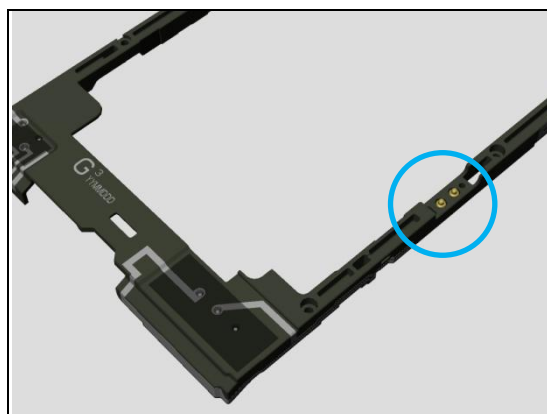
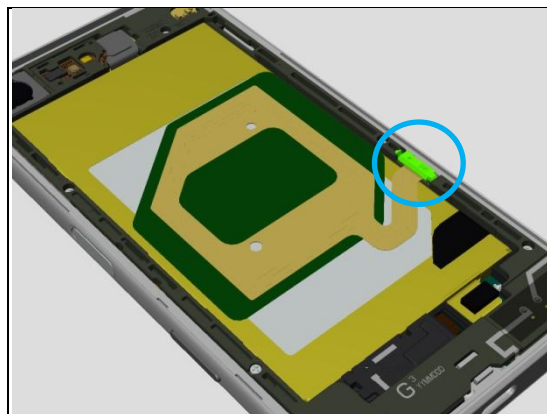
4. If the Ant NFC Flex is damaged – replace the Ant NFC Flex and the Battery.
5. If the contact pads on Frame Main are damaged – replace the Frame Main.

Check:

Inspect the contact pins on Frame Main and the contact pads on PBA.

Action:

1. If the contact pins on Frame Main are damaged – replace the Frame Main.
2. If the contact pads on PBA are damaged – replace the PBA.



Problem Areas

1.14 GPS

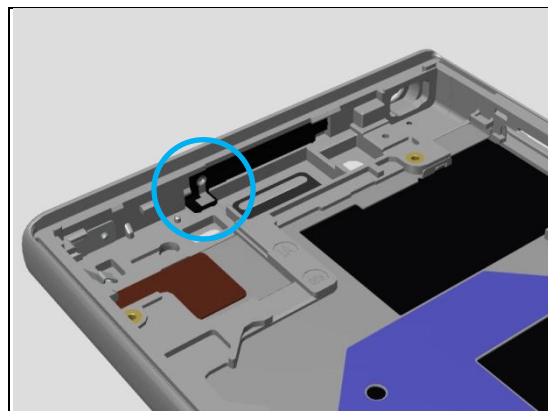
1.14.1 GPS malfunctions

Check:

Inspect the contact pad of Front Assy and the contact pin on PBA.

Action:

1. If dirty or oxidized – clean the pads and pins.
2. If the contact pad on Front Assy is damaged – replace the Front Assy.
3. If the contact pin on PBA is damaged – replace the PBA.



1.15 Compass

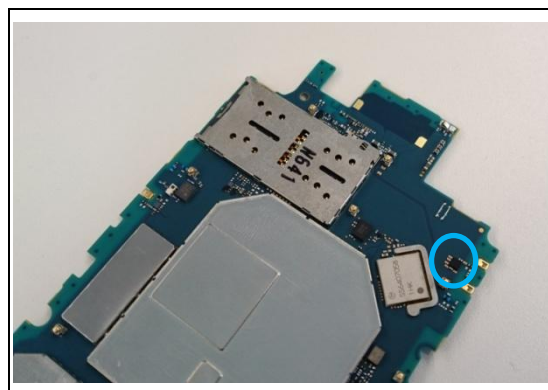
1.15.1 Compass fails

Check:

Inspect the Compass on the PBA.

Action:

1. If dirty or oxidized – clean it.
2. If the compass is damaged – replace the PBA.



Problem Areas

1.16 Accelerometer

1.16.1 Accelerometer test fails

Action:

1. Follow the 1289-2983 Sony Mobile Repair Application – mechanical to run the Accelerometer Calibration.
2. Replace the PBA.

1.17 Gyroscope

1.17.1 Gyroscope test fails

Action:

1. Follow the 1289-2983 Sony Mobile Repair Application – mechanical to run the Gyroscope Calibration.
2. Replace the PBA.

Problem Areas

1.18 Ambient Light Sensor

1.18.1 Light Sensor malfunctions

Check:

Inspect the external window area of light sensor.

Action:

1. If dirty – clean it.
2. If scratched or damaged – replace the Front Assy.

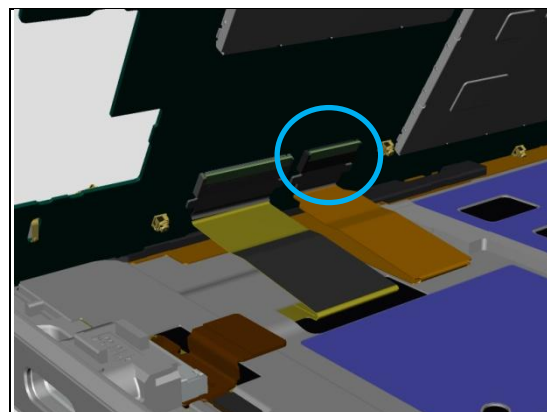


Check:

Inspect the ZIF connector of Key FPC to PBA.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the ZIF connector is damaged – replace the PBA.

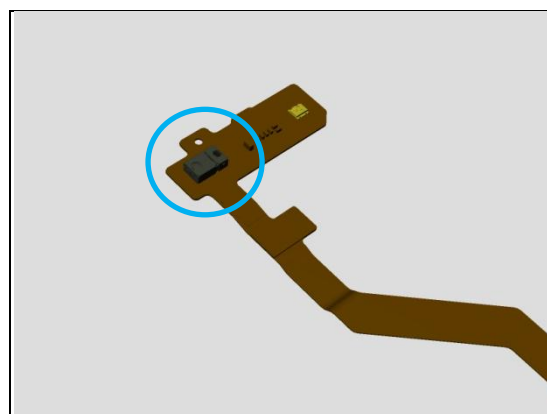


Check:

Inspect the LED on the Key FPC.

Action:

1. If dirty or oxidized – clean it.
2. If damaged – replace the Key FPC



Problem Areas

1.19 Proximity Switch

1.19.1 Proximity switch malfunctions

Action:

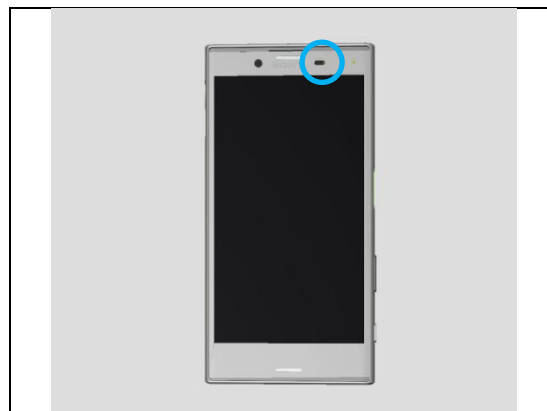
1. Follow the 1289-2983 Sony Mobile Repair Application – mechanical to run the Proximity Switch Calibration.

Check:

Inspect the external window area of proximity switch.

Action:

1. If dirty – clean it.
2. If scratched or damaged – replace the Front Assy.

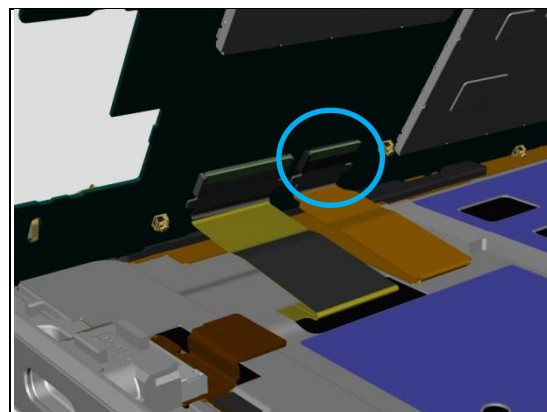


Check:

Inspect the ZIF connector of Key FPC to PBA.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the ZIF connector is damaged – replace the PBA.

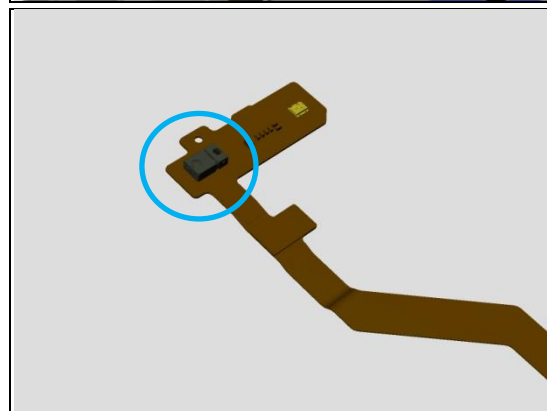


Check:

Inspect the LED on the Key FPC.

Action:

1. If dirty or oxidized – clean it.
2. If damaged – replace the Key FPC



Problem Areas

1.20 Pressure Sensor

1.20.1 Pressure Sensor test fails

Replace the PBA.

1.21 Hall Element

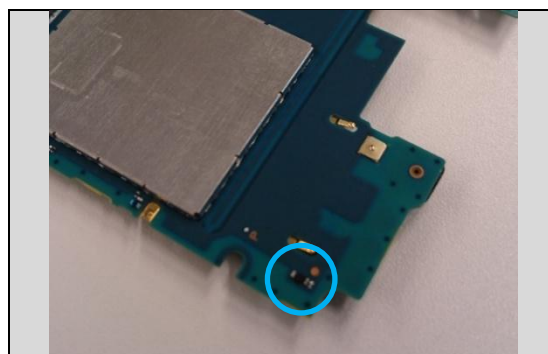
1.21.1 Hall Element test fails

Check:

Inspect the Hall Sensor on the Main PBA.

Action:

1. If dirty or oxidized – clean it.
2. If defective – Replace Main PBA.



1.22 WRT

1.22.1 WRT fails

N/A. This is not a waterproof phone.

1.23 Real Time Clock

1.23.1 Real time clock test fails

Action:

Replace the PBA.

1.24 Total call time

1.24.1 Total call time fails

Action:

Replace the PBA.

Problem Areas

1.25 External Memory

1.25.1 Memory Card not detected

Check:

Inspect that if a memory card is properly inserted.

Action:

If not properly inserted – insert the memory card correctly.



Check:

Inspect the memory card holder.

Action:

1. If dirty or clogged – clean the Tray Combo.
2. Replace Cap Tray Assy.

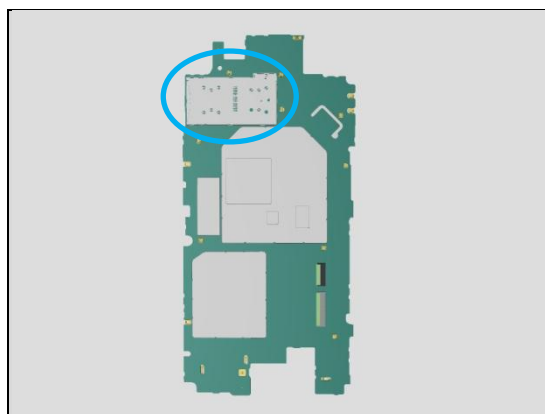


Check:

Inspect the SIM/SD card connector on the PBA.

Action:

1. If dirty or clogged – clean the connector.
2. Replace the PBA.



Problem Areas

1.26 Security

1.26.1 Security fails

Action:

Replace the PBA.

Problem Areas

1.27 FM Radio

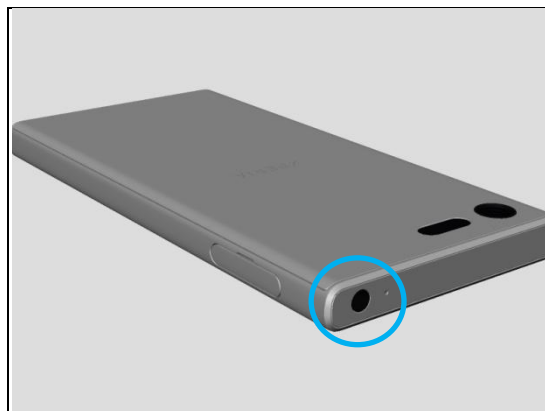
1.27.1 No/Poor FM Radio reception

Check:

Inspect the Audio Jack hole.

Action:

1. If dirty or oxidized – clean it.



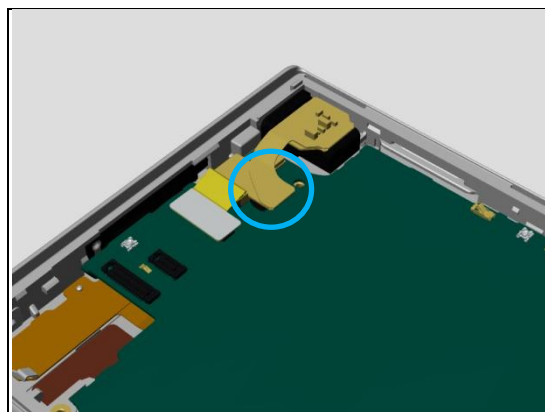
Follow 1289-2983 Sony Mobile Repair Application – mechanical to run Noise Cancelling Calibration first!

Check:

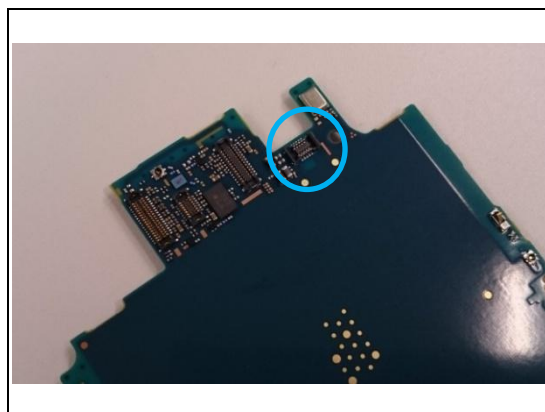
Inspect the BtB connector of Audio Jack FPC to the PBA.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If connector of the Audio Jack is damaged – replace the Jack FPC Module.



4. If connector of the PBA is damaged – replace the PBA.



Problem Areas

1.28 Network & Signal

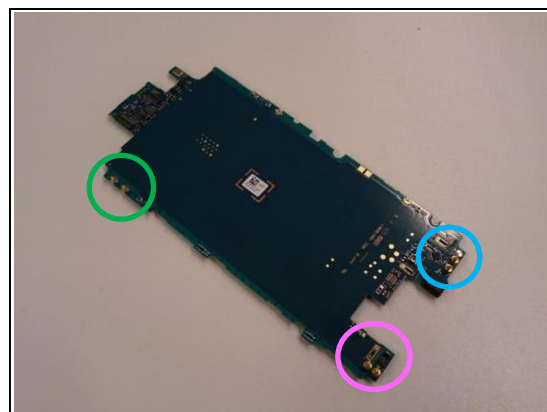
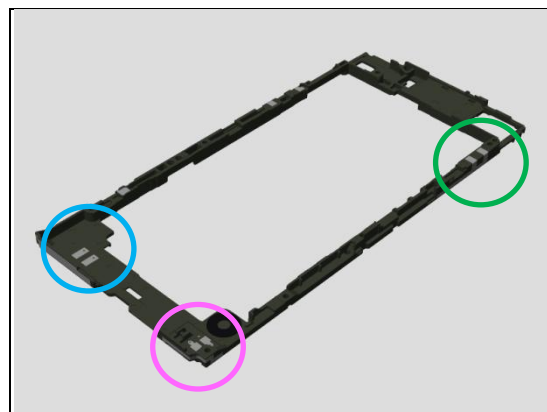
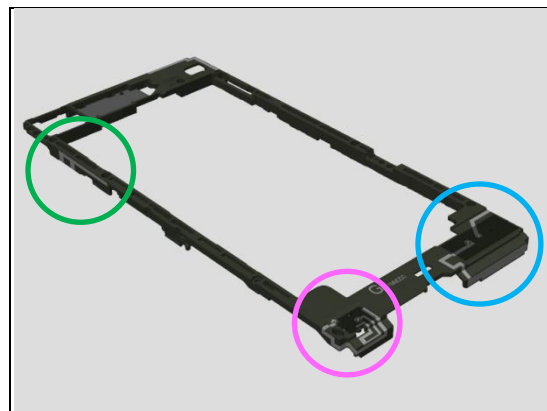
1.28.1 No/Poor signal

Check:

Inspect the contact pads on Frame Main and contact pins on the PBA.

Action:

1. If dirty or oxidized – clean it.
2. If the contact pads are damaged – replace the Frame Main.



3. If the contact pins on the PBA are damaged – replace the PBA.

Problem Areas

1.29 SIM

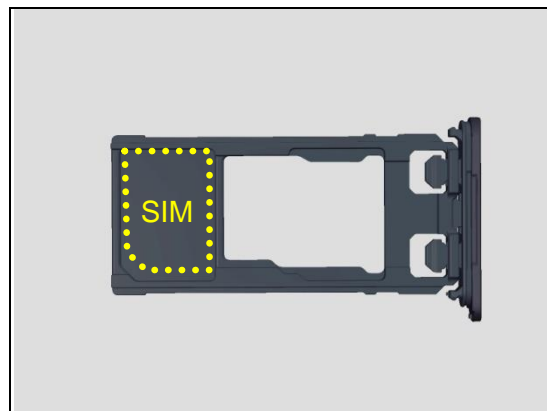
1.29.1 SIM not detected

Check:

Check if Nano SIM is properly mounted into the Cap Tray Assy and if Cap Tray Assy can be properly inserted.

Action:

1. If not properly assembled – reassemble it.
2. If damaged – Replace Cap Tray Assy.

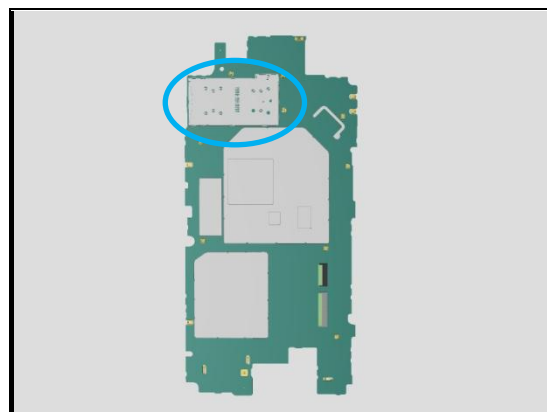


Check:

Inspect the SIM/SD card holder on the PBA.

Action:

1. If dirty or clogged – clean the holder.
2. Replace Main PBA.



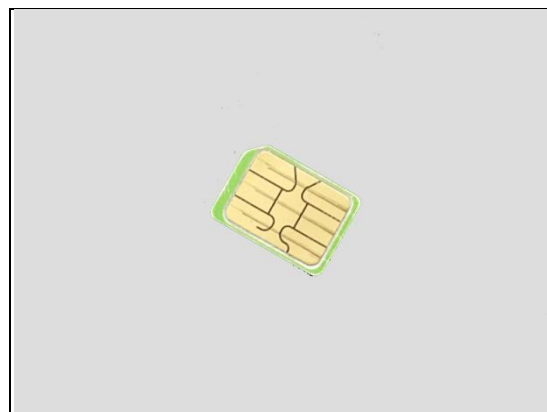
1.29.2 Incorrect Nano SIM indicated

Check:

Check whether the phone is locked to a particular operator and whether the correct operator Nano SIM is being used.

Action:

1. Use a proper operator Nano SIM or test Nano SIM.
2. Replace the PBA.



Problem Areas

1.30 Charging

1.30.1 Battery will not charge by USB connector

Check:

Inspect the USB connector.

Action:

1. If dirty or oxidized – clean the connector.

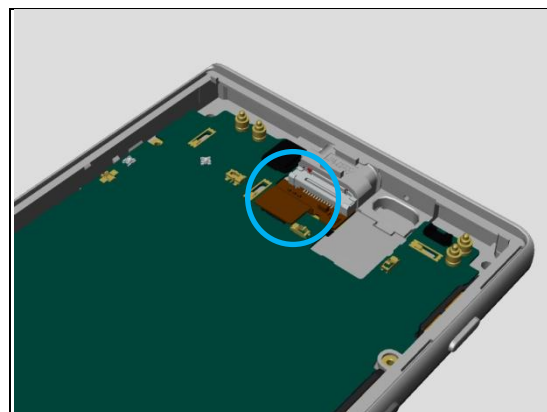


Check:

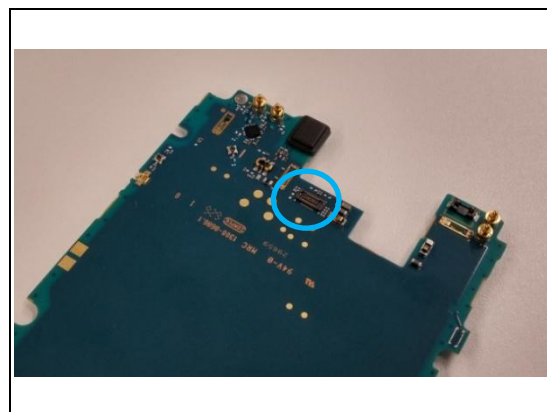
Inspect the BtB connector of FPC USB to the PBA.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the connector of FPC USB is damaged – replace the USB FPC Module.



3. If the connector of PBA is damaged – replace the PBA.



Check:

Inspect the USB FPC Module.

Action:

1. If the USB FPC Module is damaged – replace the USB FPC Module.



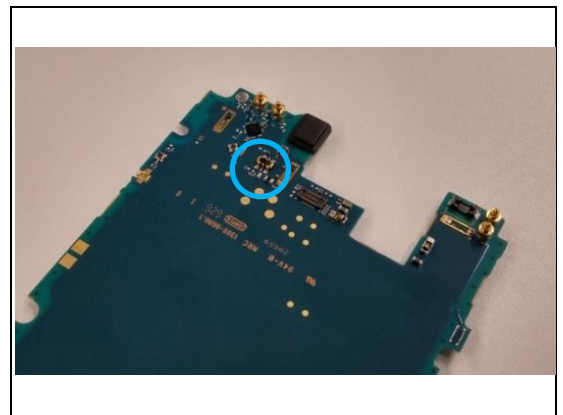
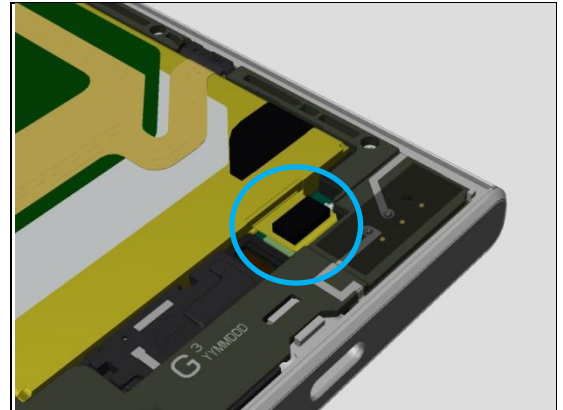
Problem Areas: Charging

Check:

Inspect the BtB connector of the Battery to the PBA.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean the both sides of the BtB connector.
3. If the BtB connector of Battery is damaged – replace the Battery.
4. If the connector of the PBA is damaged – replace the PBA.



Problem Areas

1.31 Audio Jack test

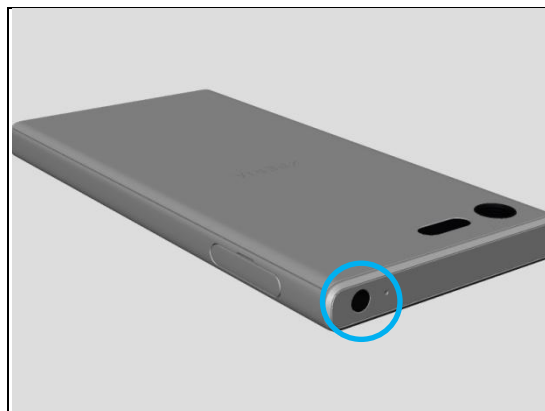
1.31.1 Connection to headset fails

Check:

Inspect the Audio Jack hole.

Action:

1. If dirty or oxidized – clean it.

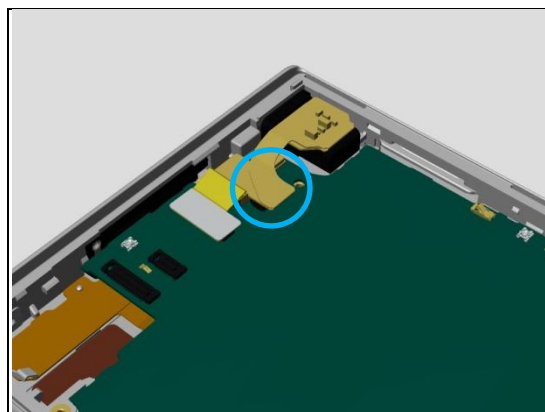


Check:

Inspect the BtB connector of Audio Jack FPC to the PBA.

Action:

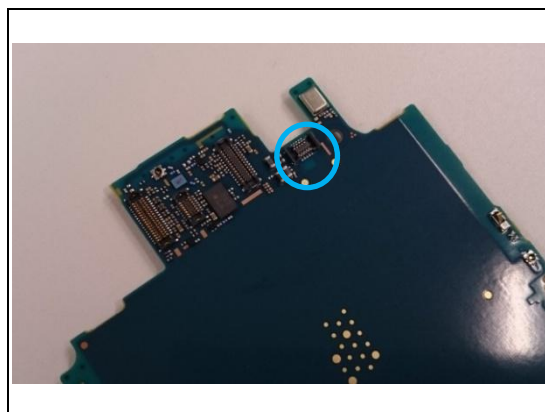
1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If connector of the Audio Jack is damaged – replace the Jack FPC Module.



4. If connector of the PBA is damaged – replace the PBA.

Noise Cancelling Calibration must be performed after reassembly!

For Calibration, refer to Sony Mobile Repair Application 1289-2983!



Problem Areas

1.32 Finger Print Sensor test

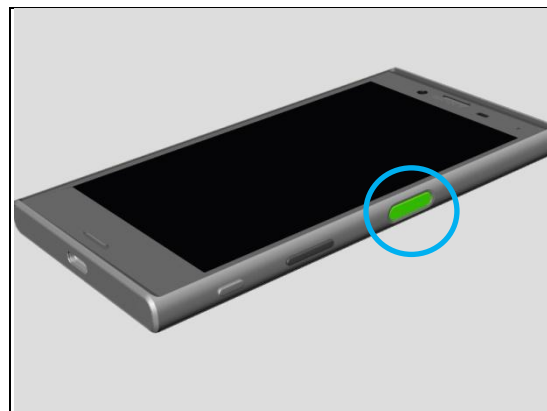
1.32.1 Fingerprint Sensor test fail

Check:

Inspect the external area of the On/Off Key.

Action:

1. If dirty – clean it.
2. If damaged – replace the Fingerprint Sensor Assy.

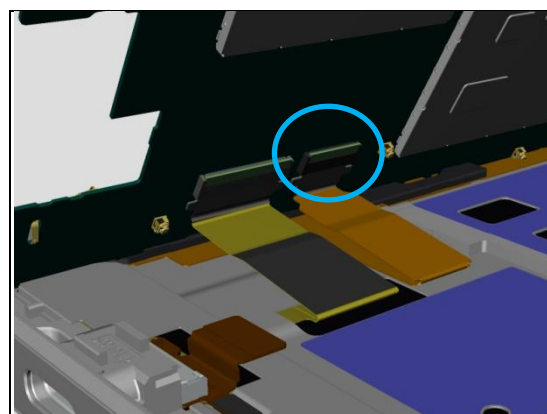


Check:

Inspect the ZIF connector of FPC Key to Main PBA.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the Key FPC side is damaged – replace the Key FPC.
4. If the ZIF connector is damaged – replace the PBA.

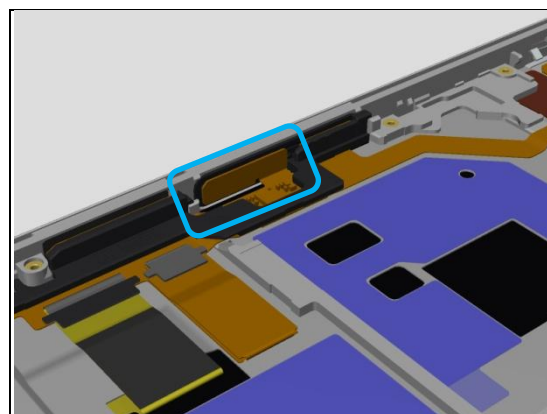


Check:

Inspect the connector of FPC Key to On/Off Key.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the Key FPC side is damaged – replace the Key FPC.

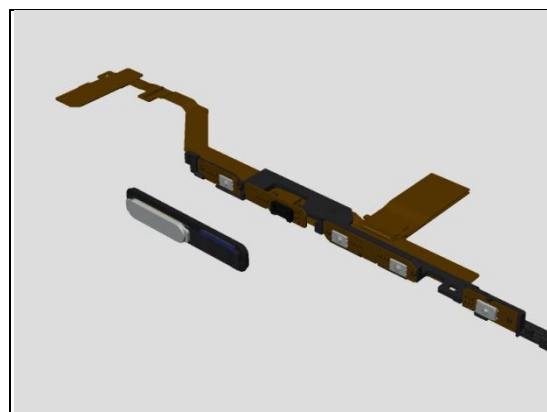


Check:

Inspect the condition of the On/Off Key rubber and switch.

Action:

1. If dirty – clean them.
2. If the On/Off Key Switch or its rubber is damaged – replace the Fingerprint Sensor.



Problem Areas

1.33 Data Communication

1.33.1 Data transfer via System Connector fails

Check:

Inspect the USB connector.

Action:

If dirty or oxidized – clean the connector.

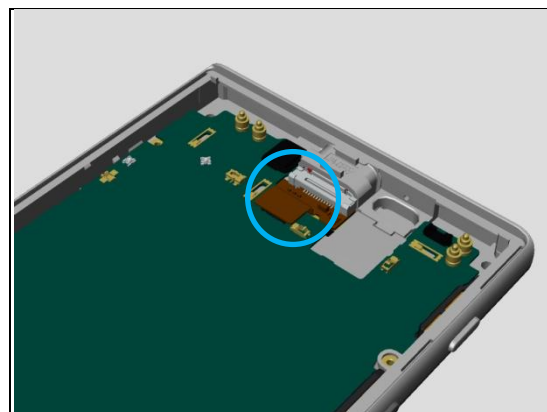


Check:

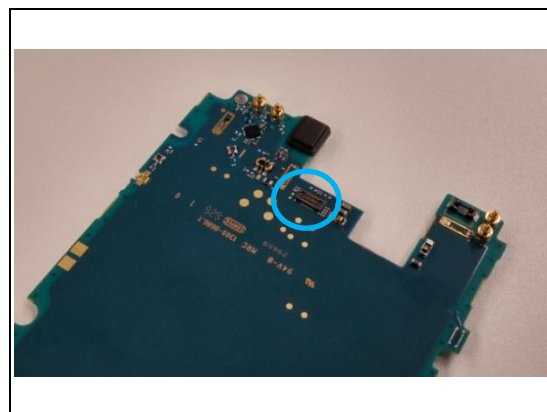
Inspect the BtB connector of FPC USB to the PBA.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the connector of FPC USB is damaged – replace the USB FPC Module.



4. If the connector of PBA is damaged – replace the PBA.

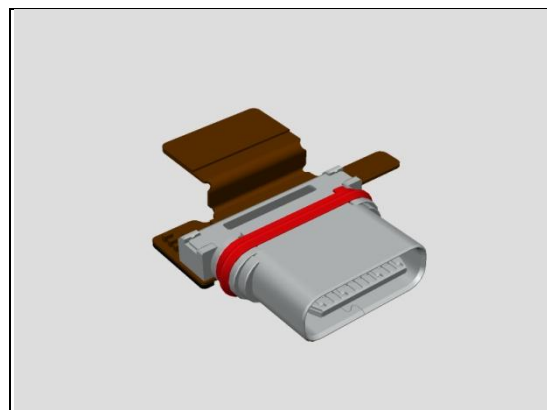


Check:

Inspect the USB FPC Module.

Action:

1. If the USB FPC Module is damaged – replace the USB FPC Module.



Problem Areas

1.34 RGBC-IR Sensor

1.34.1 RGBC-IR Sensor

Check:

Inspect the external area of the sensor.

Action:

1. If dirty – clean it.
2. If scratched or damaged – replace the Cover Rear.

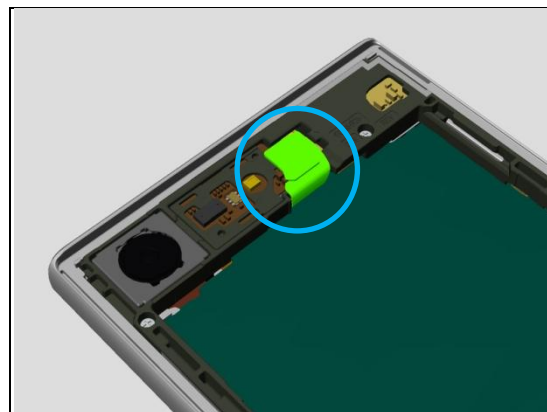


Check:

Inspect the connector of Relay FPC.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the Relay FPC is damaged – replace the Relay FPC.

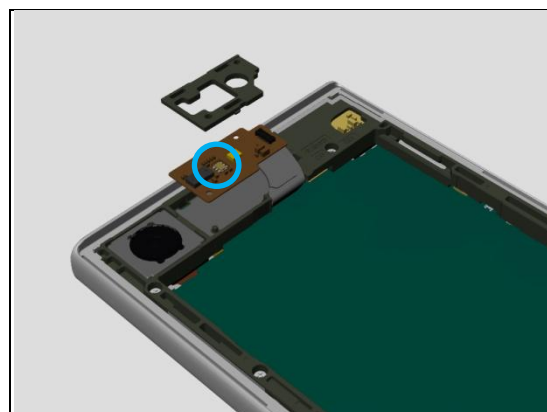


Check:

Inspect the sensor on Sensor FPC.

Action:

1. If dirty – clean it.
2. If the Sensor FPC is damaged – replace the Sensor FPC and Holder FPC Sensor.

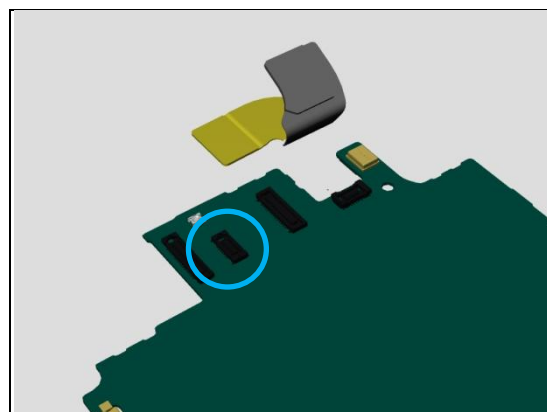


Check:

Inspect the connector of Relay FPC to PBA.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the Relay FPC is damaged – replace the Relay FPC.
4. If the connector of PBA is damaged – replace the PBA.



Problem Areas

1.35 ToF Sensor

1.35.1 ToF Sensor

Check:

Inspect the external area of the sensor.

Action:

1. If dirty – clean it.
2. If scratched or damaged – replace the Cover Rear.

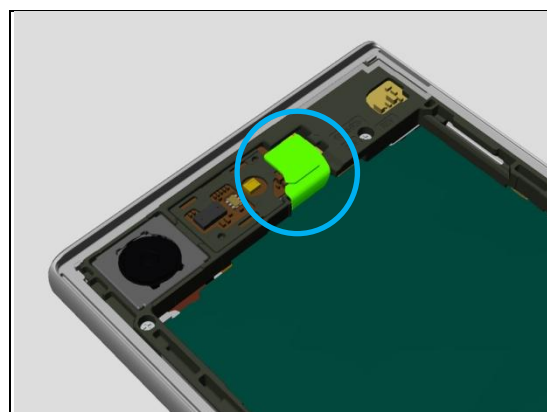


Check:

Inspect the connector of Relay FPC.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the Relay FPC is damaged – replace the Relay FPC.

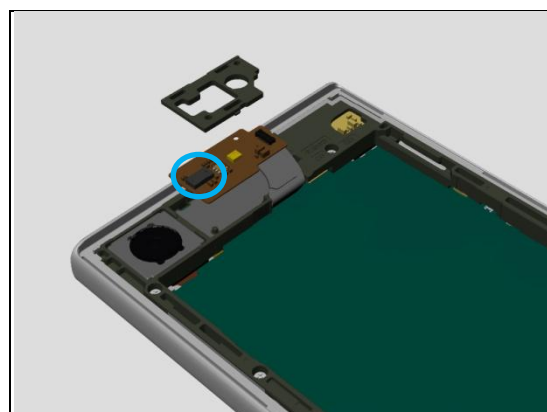


Check:

Inspect the sensor on Sensor FPC.

Action:

1. If dirty – clean it.
2. If the Sensor FPC is damaged – replace the Sensor FPC and Holder FPC Sensor.

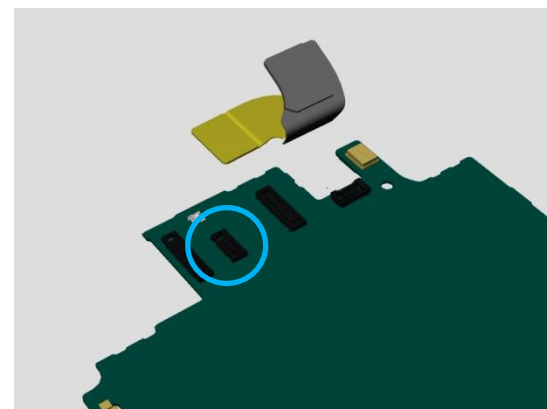


Check:

Inspect the connector of Relay FPC to PBA.

Action:

1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.
3. If the Relay FPC is damaged – replace the Relay FPC.
4. If the connector of PBA is damaged – replace the PBA.



2 Revision History

| Rev. | Date | Changes / Comments |
|------|-------------|--------------------|
| 1 | 2016-Sep-01 | Initial release |
| 2 | 2016-Sep-12 | Added 1.21 |