

## Troubleshooting Guide

- mechanical -



*Xperia Z3*  
*D6633, L55u, L55t, D6683*

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

***Always finally connect the Embedded Battery BtB connector before the Rear Panel is reassembled.***

## 1 Problem Areas

### 1.1 Power

#### 1.1.1 Will not power on or will switch off randomly

**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, check that the battery is charging when connected to a charger.

**Follow Test Instruction - mechanical chapter 2.3.4 (Charging via USB and Easy Charger), Diagnostic Battery / Charging status.**

**Check:**

Inspect the on/off key.

**Action:**

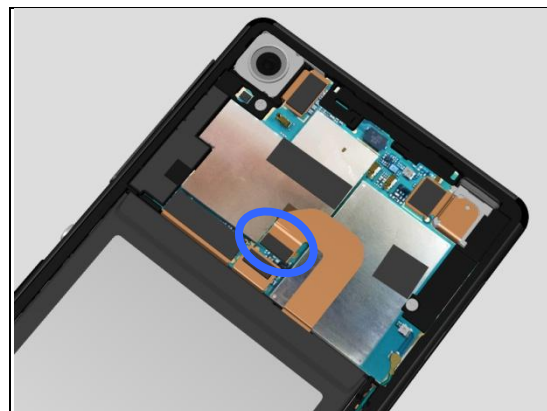
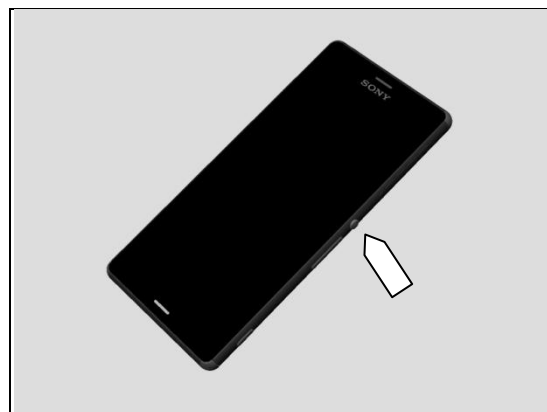
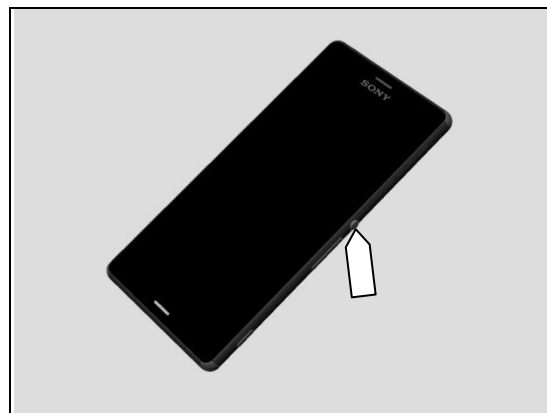
Refer to section 1.2.3 'On/Off Key'.

**Check:**

Inspect the BtB connector of the Embedded Battery to Main PBA.

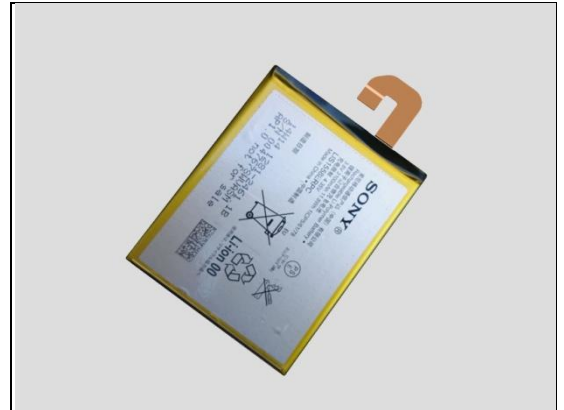
**Action:**

1. If not properly connected – disconnect and reconnect it.  
2. If dirty or oxidized – clean the both sides of the BtB connector.



## Problem Areas: Power

3. If the BtB connector, the FPC or the Battery is damaged – replace the Embedded Battery.
4. Replace Main PBA.



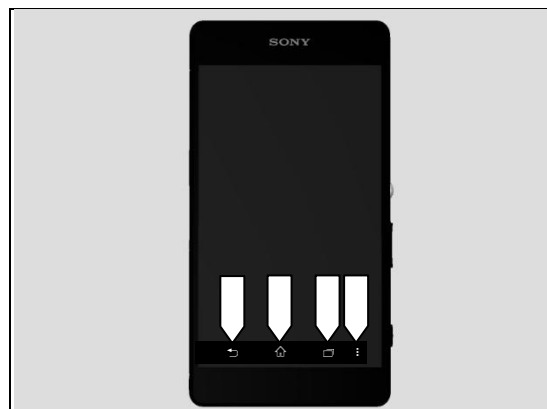
## Problem Areas

### 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.



#### 1.2.2 Volume Key

**Check:**

Inspect the external area of the Key Volume.

**Action:**

If dirty – clean it.

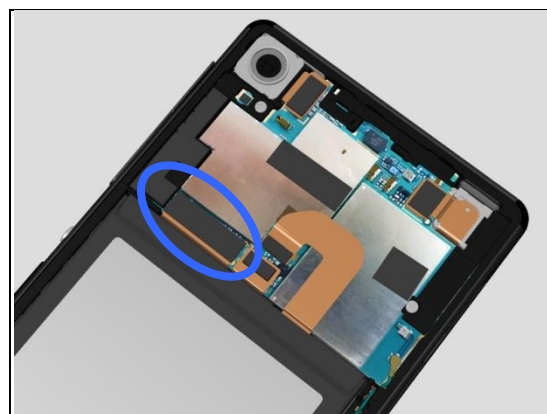


**Check:**

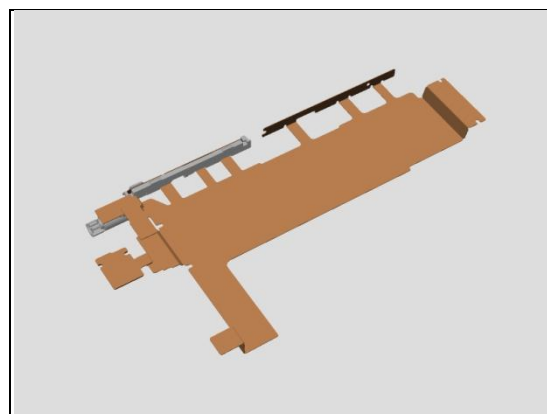
Inspect the BtB connector of Relay FPC to Main PBA.

**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 it.
4. Replace Main PBA.



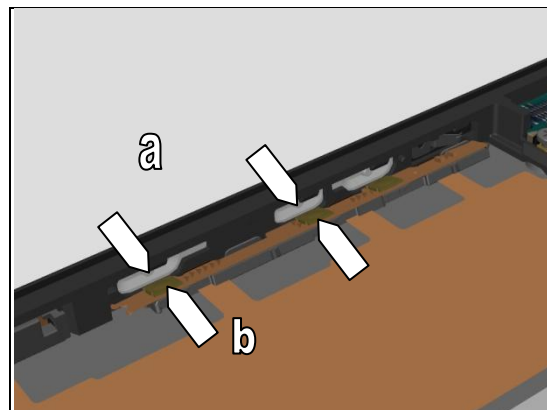
## Problem Areas: Keys

### Check:

Inspect the rubber of the Volume Key (a) and Volume Key switch (b).

### Action:

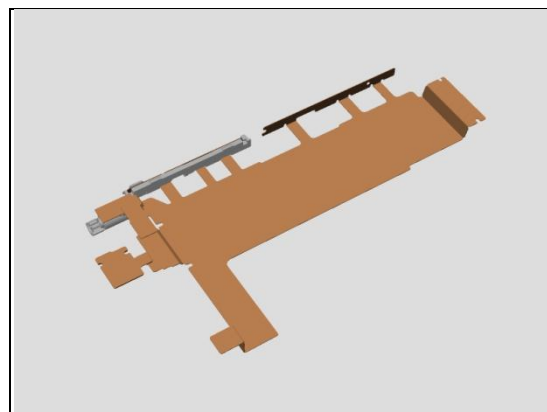
1. If dirty – clean them.



2. If the rubber of the Volume Key is damaged – replace the Front Assy.



3. If the volume key switch is damaged – replace the Relay FPC.



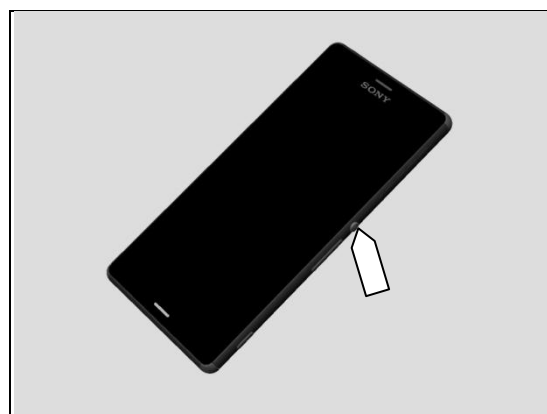
### 1.2.3 On/Off Key

### Check:

Inspect the external area of the On/Off Key.

### Action:

If dirty – clean it.



## Problem Areas: Keys

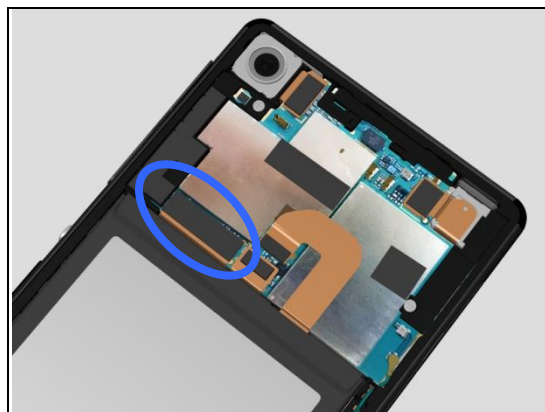


**Check:**

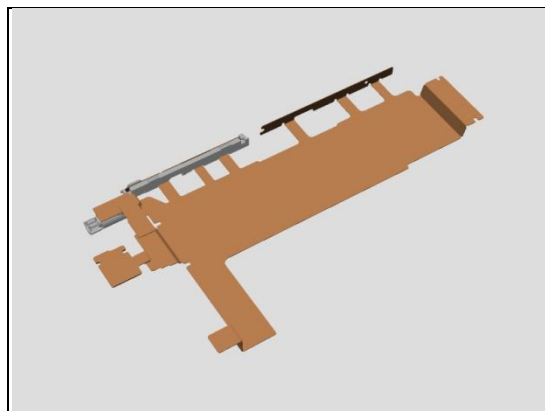
Inspect the BtB connector of Relay FPC to Main PBA.

**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 it.
4. Replace Main PBA.

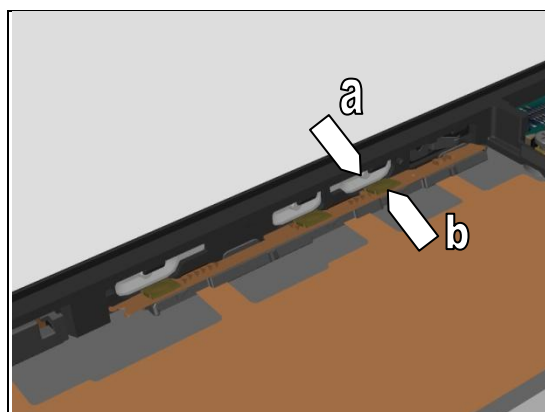


**Check:**

Inspect the rubber of the On/Off Key (a) and On/Off Key switch (b).

**Action:**

1. If dirty – clean them.



2. If the rubber of the On/Off Key is damaged – replace the Front Assy.



## Problem Areas: Keys

3. If the On/Off key switch is damaged – replace the Relay FPC.

## 1.2.4 Camera Key

### Check:

Inspect the external area of the Camera Key.

### Action:

If dirty – clean it.

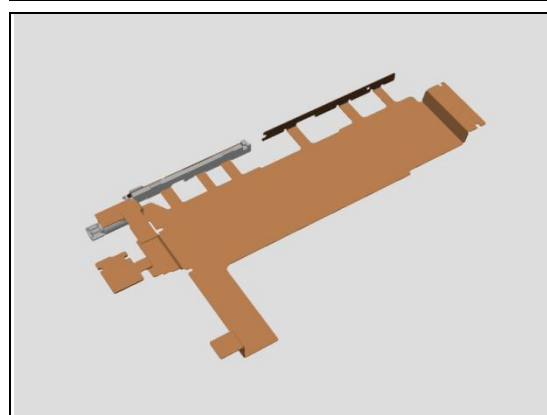
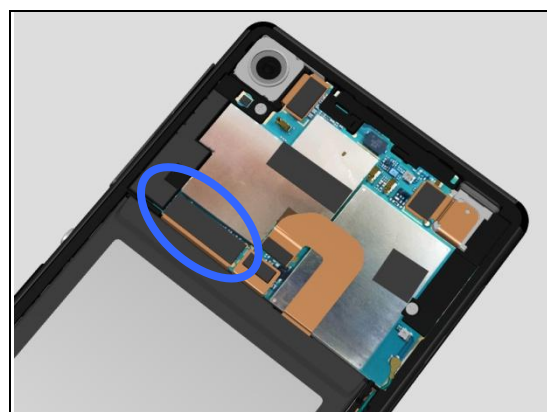
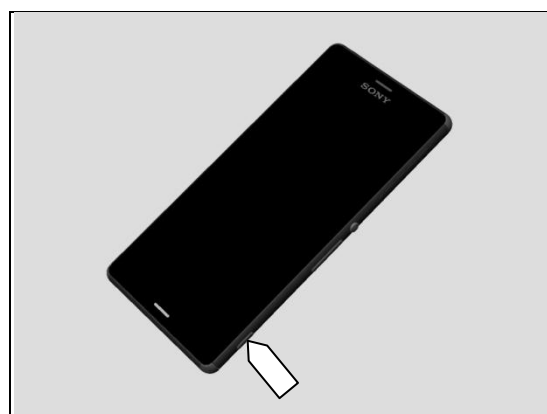
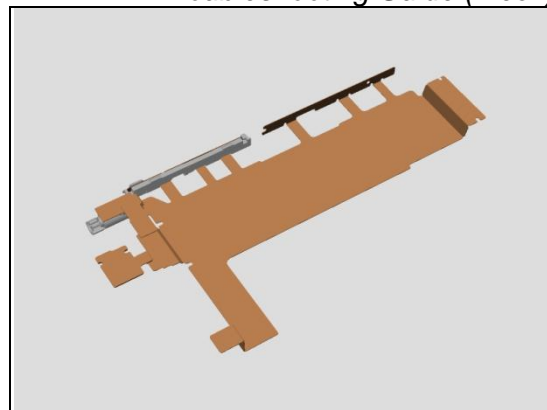
### Check:

Inspect the BtB connector of Relay FPC to Main 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 it.
4. Replace Main PBA.



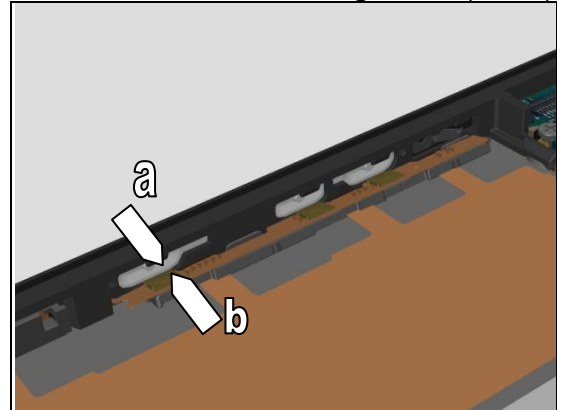
## Problem Areas: Keys

**Check:**

Inspect the rubber of the Camera Key (a) and Camera Key switch (b).

**Action:**

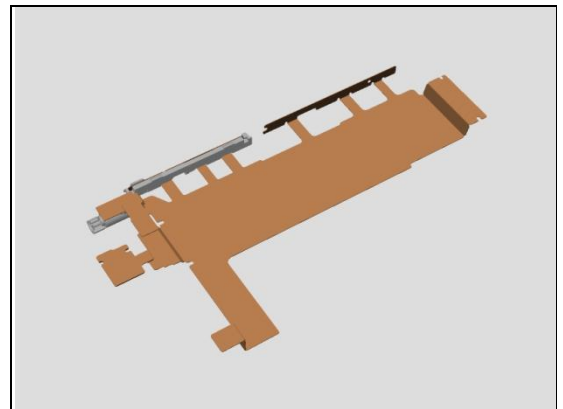
1. If dirty – clean them.



2. If the rubber of the Camera Key is damaged – replace the Front Assy.



3. If the On/Off key switch is damaged – replace the Relay 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:

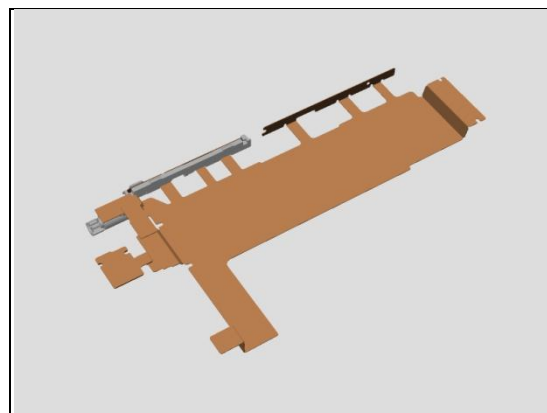
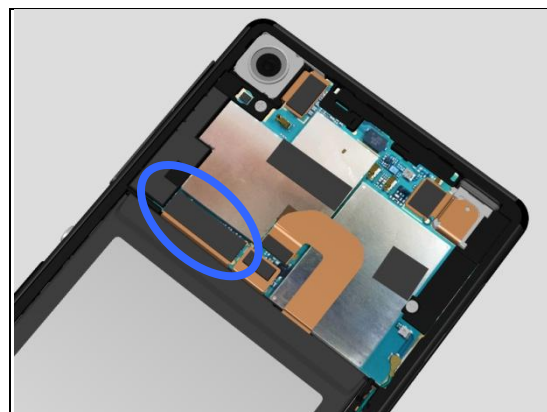
Inspect the BtB connector of Relay FPC to Main PBA.

### 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 it.



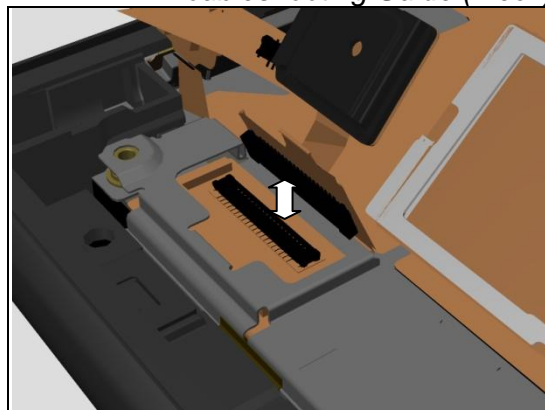
## Problem Areas

**Check:**

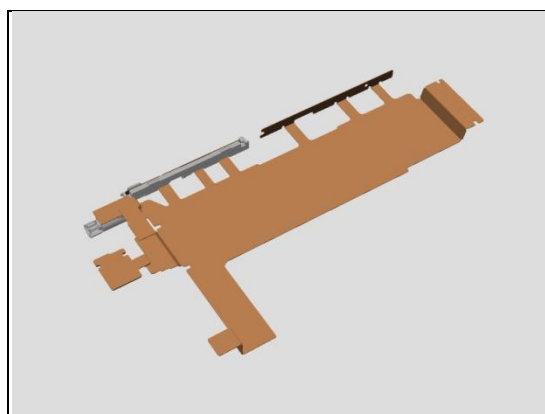
Inspect the BtB connector of Relay FPC to Front Assy.

**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 it.

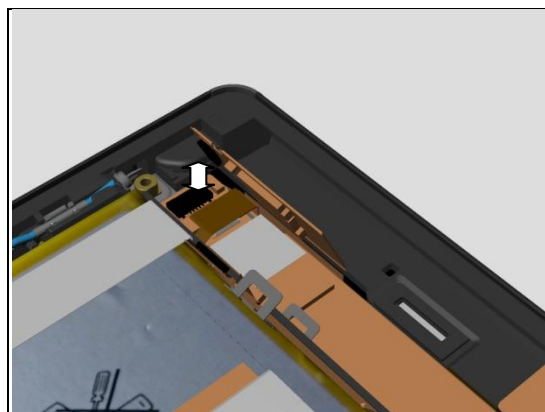


**Check:**

Inspect the BtB connector of FPC on Front Assy.

**Action:**

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



3. If the FPC is damaged – replace Front Assy.
4. Replace Main 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:**

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

2. If scratched or damaged – replace the Front Assy.

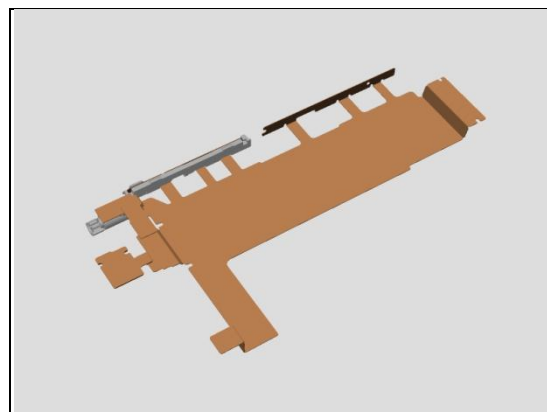
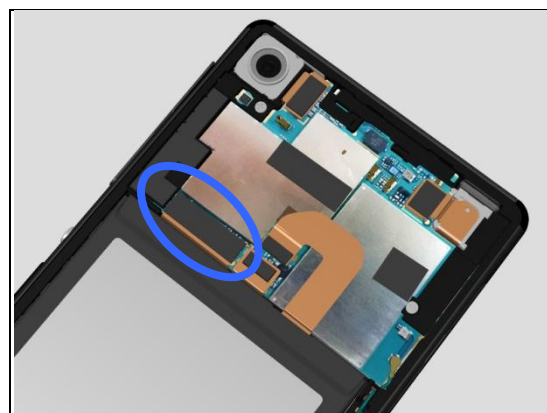
**Check:**

Inspect the BtB connector of Relay FPC to Main 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 it.



## Problem Areas

## 1.5 LED/Illumination

### 1.5.1 LED/Illumination

**Check:**

Inspect external port of LED on the Front Assy.

**Action:**

1. If dirty – clean it.

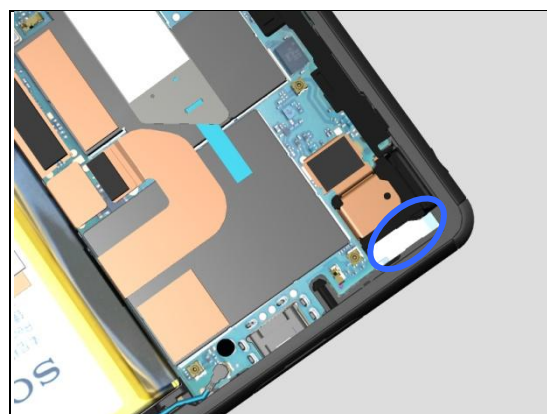


**Check:**

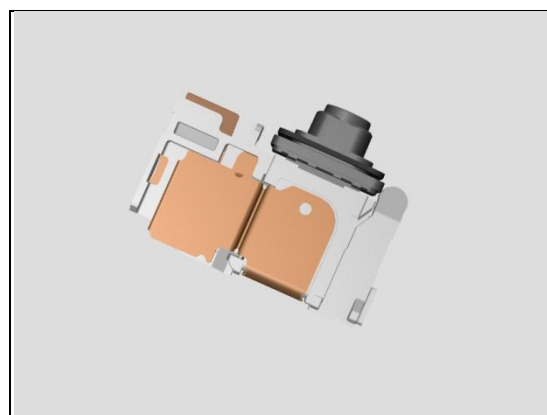
Inspect the Lightguide 3 LED.

**Action:**

1. If not properly assembled – reassemble it.
2. If dirty – clean it.



3. If damaged – replace Audio Jack.

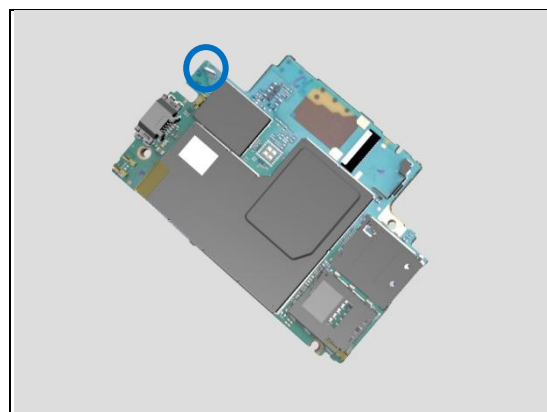


**Check:**

Inspect the LED on Main PBA.

**Action:**

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



## Problem Areas

## 1.6 Speaker

### 1.6.1 Loudspeaker

**Check:**

Inspect the Loudspeaker's external port on the Front Assy.

**Action:**

1. If clogged – clean it.

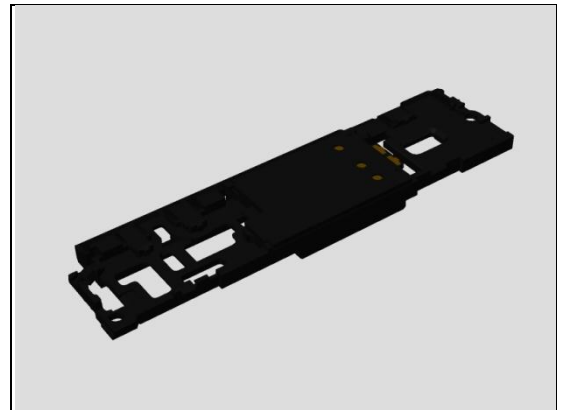
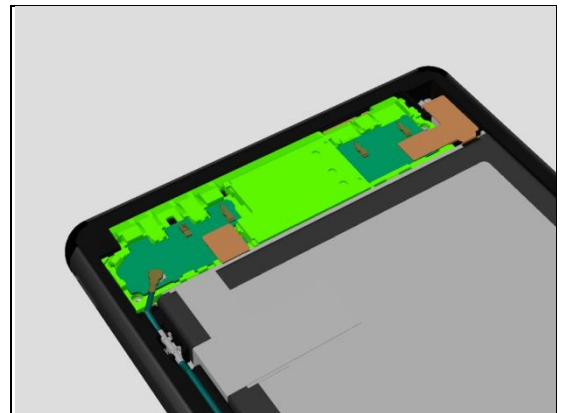
2. If damaged – replace the Front Assy.

**Check:**

Inspect the Holder Speaker sub assembly which includes Speaker.

**Action:**

1. If damaged – replace Holder Speaker sub assembly.



## Problem Areas: Speaker

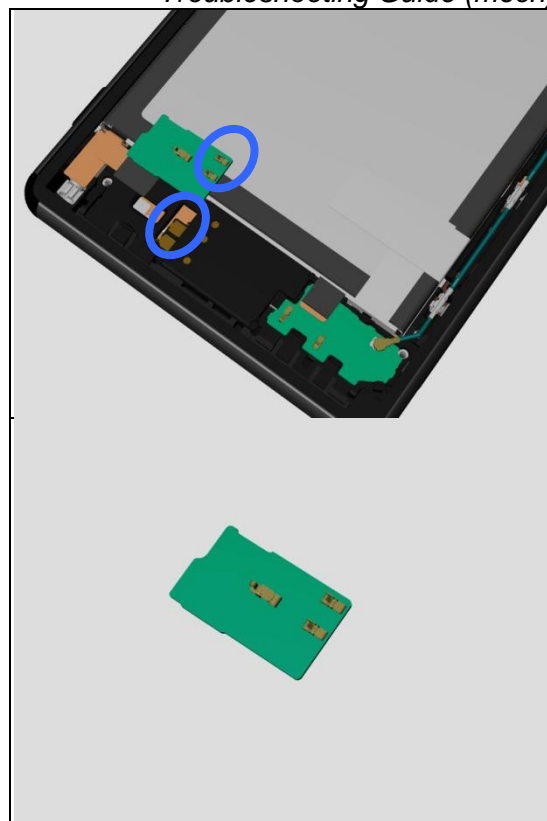


**Check:**

Inspect the Holder Speaker sub assembly's Pads and Pins on Sub PBA-B.

**Action:**

1. If dirty or oxidized – clean it.
2. If the Pins on Sub PBA-B are damaged, replace the Sub PBA-B.

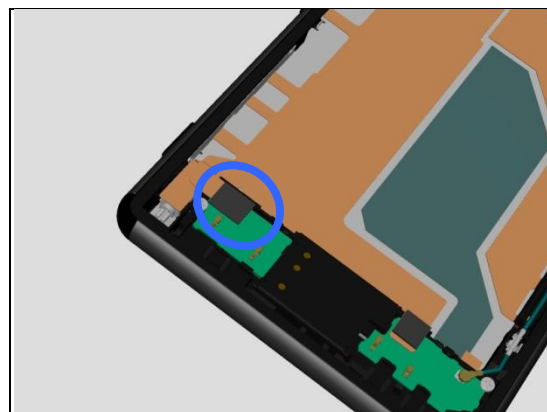


**Check:**

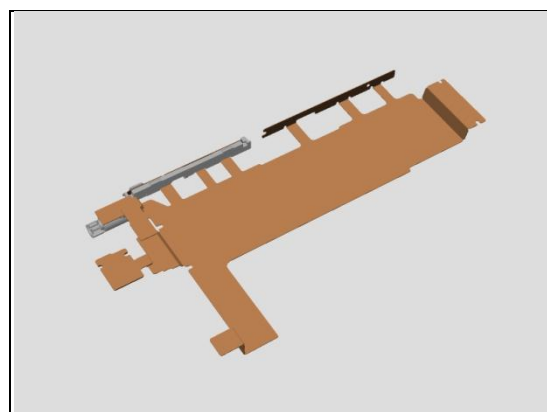
Inspect the BtB connector of Relay FPC to Sub PBA-B.

**Action:**

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

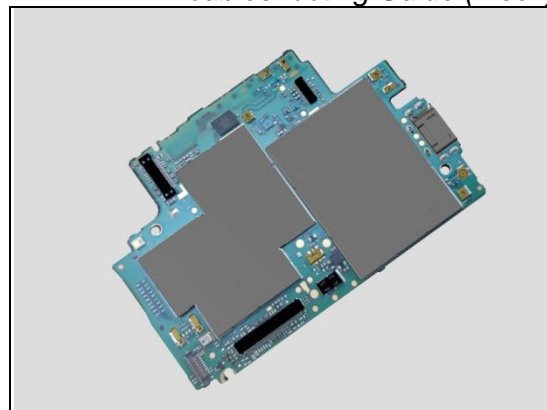


3. If the Relay FPC is damaged – replace it.



## Problem Areas

4. Replace Main PBA.



## 1.7 Earphone

## 1.7.1 Ear Speaker

### Check:

Inspect the external port of loudspeaker on the Front Assy.

### Action:

1. If clogged – clean it.

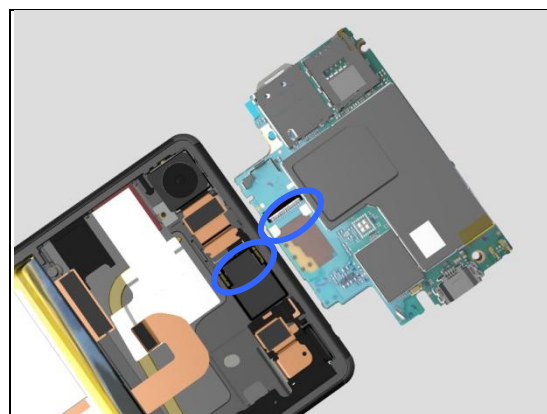


### Check:

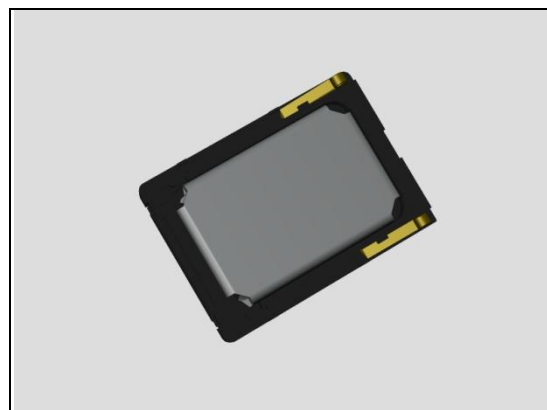
Inspect the contact pads on the Main PBA and the contact pins on the Loudspeaker.

### Action:

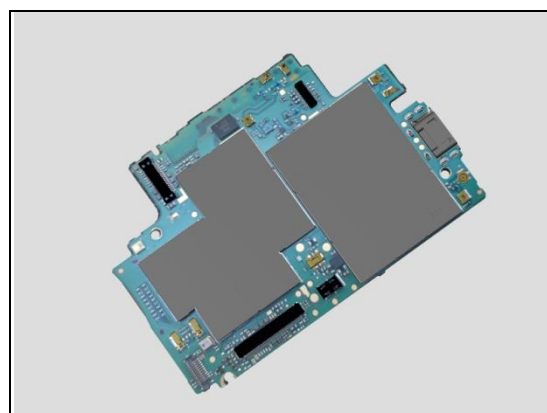
1. If dirty – clean them.



2. If the contact pins of the Loudspeaker or the Loudspeaker are damaged – replace it.



3. Replace Main 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.

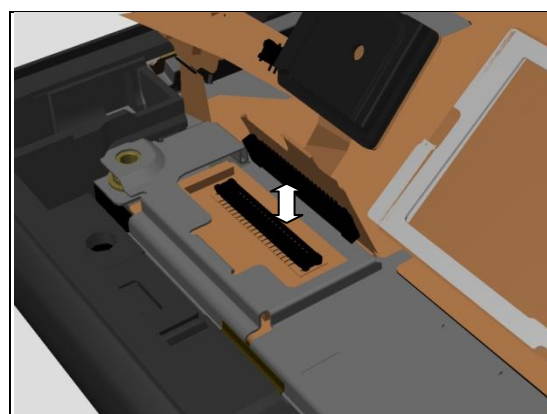


### Check:

Inspect the BtB connector of Relay FPC to Front Assy.

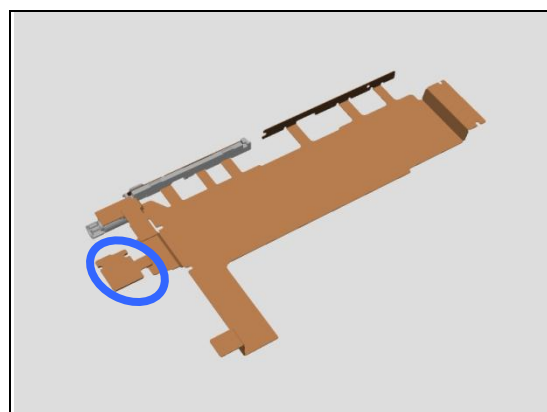
### Action:

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



3. If the Relay FPC is damaged – replace it.

**Note: Primary Microphone is soldered on Relay FPC.**

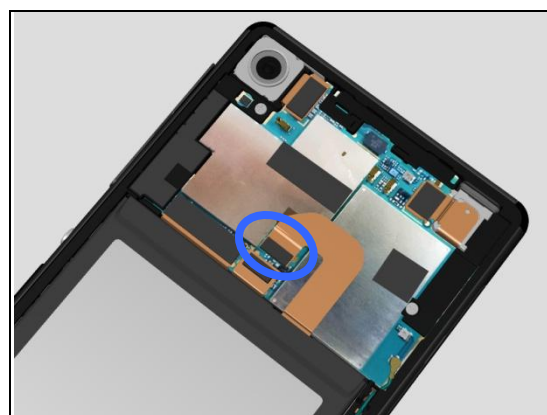


### Check:

Inspect the BtB connector of Relay FPC to Main PBA.

### Action:

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



## Problem Areas: Microphone

3. If the Relay FPC is damaged – replace it.
4. Replace Main PBA.

## 1.8.2 Secondary Microphone

### Check:

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

### Action:

1. If clogged – clean it.

### Check:

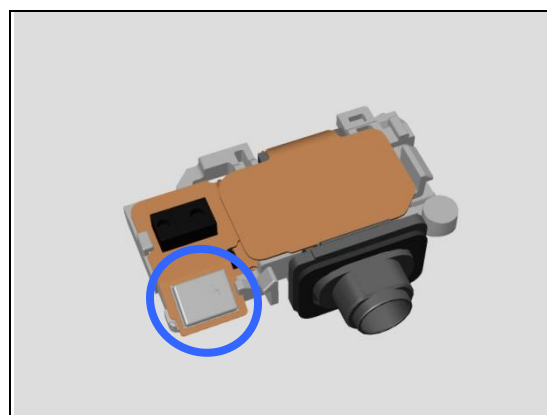
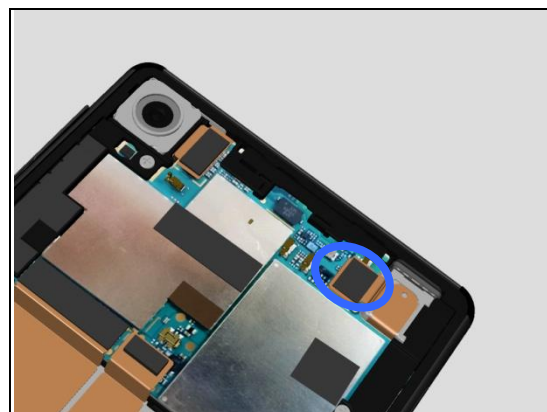
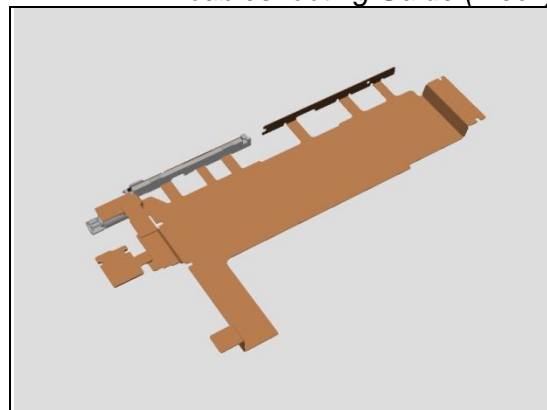
Inspect the BtB connector of Audio Jack to Main PBA.

### Action:

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

3. If the Audio Jack is damaged – replace it.
4. Replace Main PBA.

**Note:** Secondary Microphone is soldered Audio Jack.



## Problem Areas

### 1.9 Vibrator

## 1.9.1 Vibrator not generating alerts

### Check:

Inspect the Vibrator soldered on Relay FPC.

### Action:

1. If dirty or oxidized – clean it.

### Check:

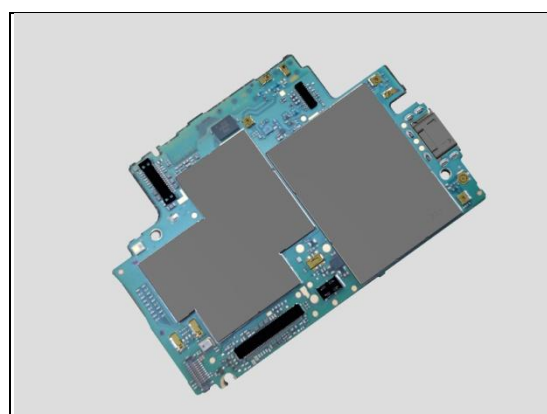
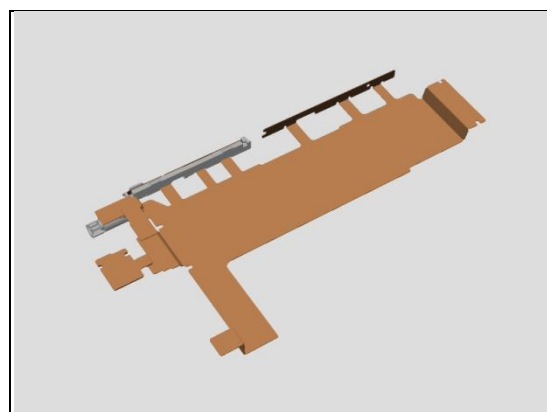
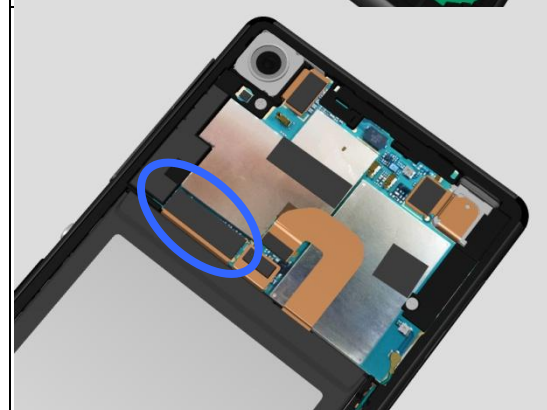
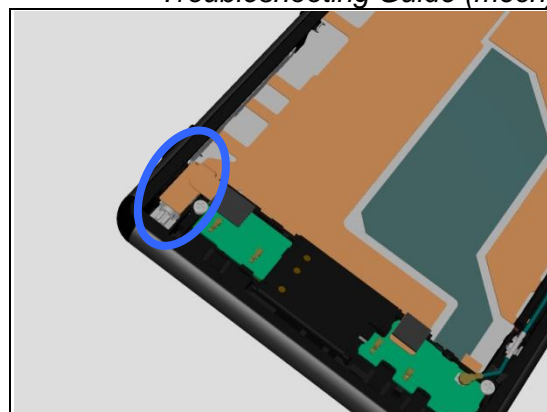
Inspect the BtB connector on Relay FPC to Main PBA.

### Action:

1. If not properly connected – disconnect and reconnect it

2. If the Relay FPC is damaged – replace it.

4. Replace Main 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 Rear Panel.

### Check:

Inspect the BtB connector of Main Camera to Main PBA.

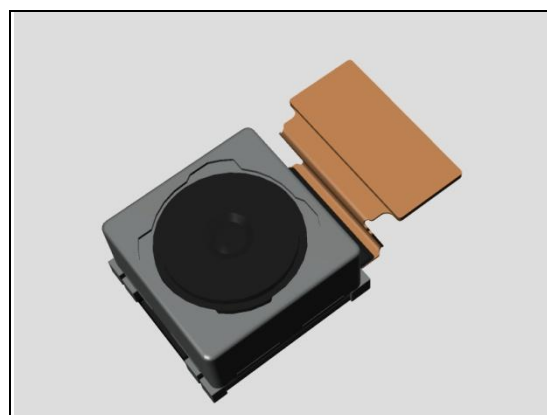
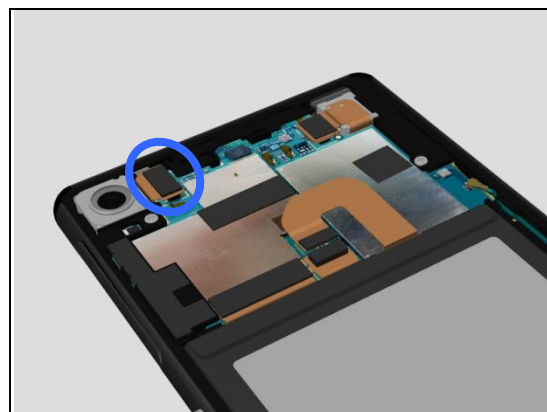
### Action:

1. If not properly connected – disconnect and reconnect it.

2. If dirty or oxidized – clean it.

3. If the BtB connector or the Main Camera is damaged – replace the Main Camera.

4. Replace Main PBA.



## Problem Areas: Camera

## 1.10.2 Video Call Camera defects

### Check:

Inspect the external area of the video camera window.

### Action:

1. If dirty – clean it.

2. If scratched or damaged – replace the Front Assy.

### Check:

Inspect the Zif connector of Sub Camera to Main PBA.

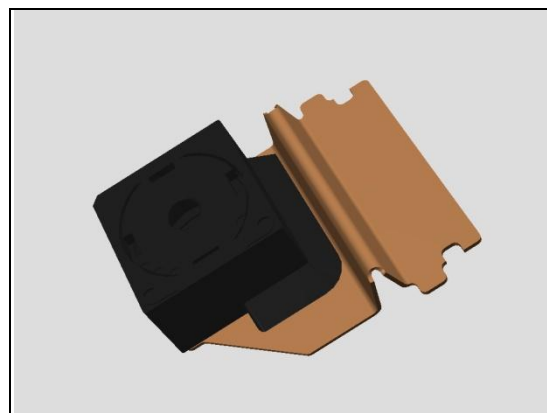
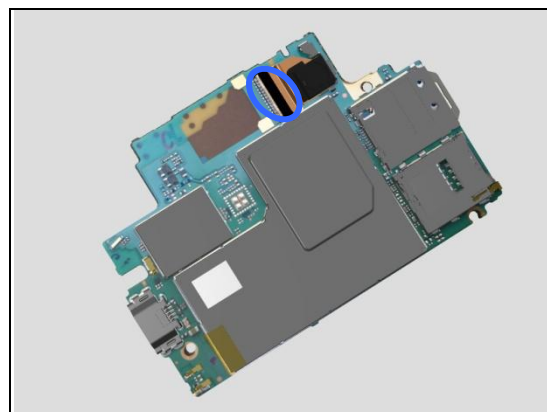
### Action:

1. If not properly connected – disconnect and reconnect it.

2. If dirty or oxidized – clean it.

3. If the Sub Camera is damaged – replace the Sub Camera.

4. Replace Main PBA.



## Problem Areas

## 1.11 Flash LED



## 1.11.1 Flash LED not flashing

### Check:

Inspect the external area of the flash LED Light.

### Action:

1. If dirty – clean it.

2. If scratched or damaged – replace the Rear Panel.

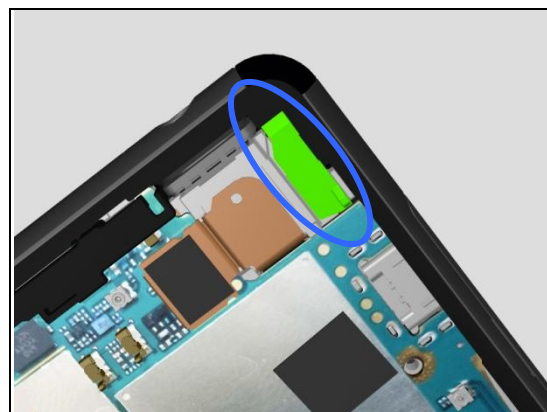


### Check:

Inspect the Light guide 3 LED on Audio Jack.

### Action:

1. If damaged, replace Audio Jack.



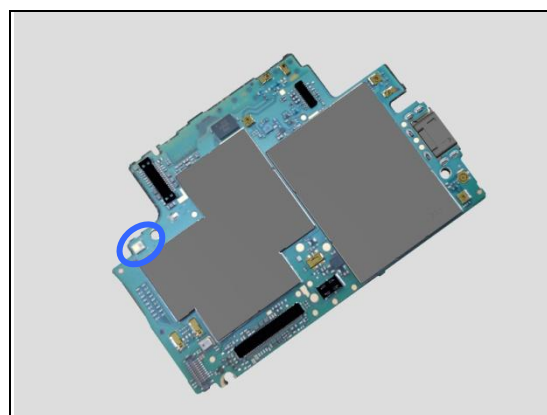
### Check:

Inspect the Flash LED on Main PBA.

### Action:

1. If dirty – clean it.

2. Replace Main PBA.



## Problem Areas

## 1.12 Bluetooth and WLAN

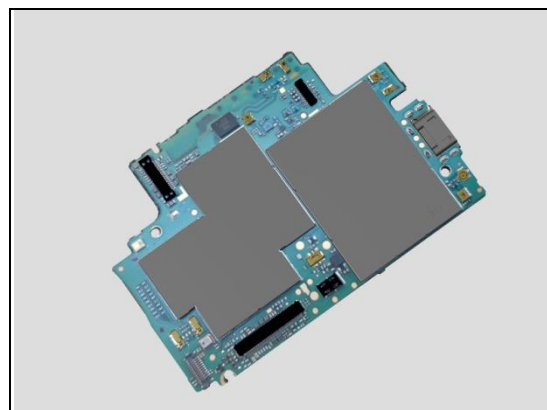
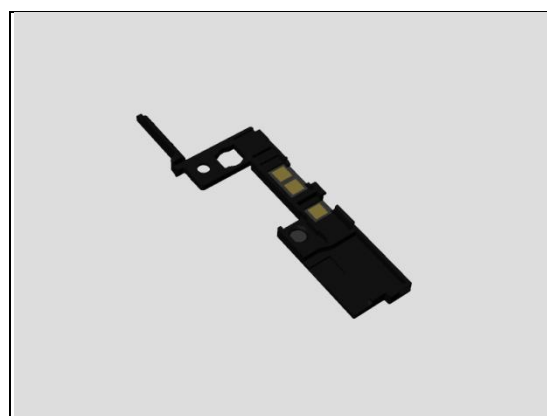
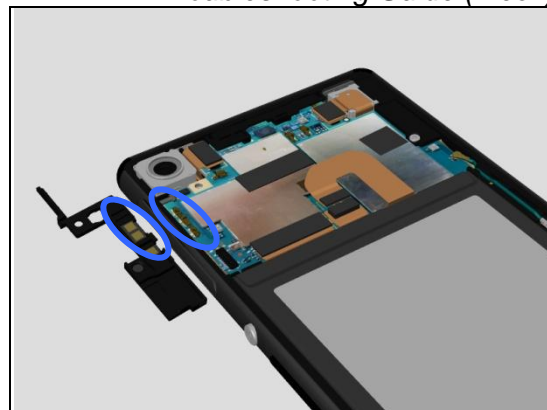
## 1.12.1 Bluetooth or WLAN connection failure

### Check:

Inspect the Antenna BT + WLAN contact pad and the contact pins on main PBA.

### Action:

1. If dirty or oxidized – clean the pads and pins.
2. If the contact pad on Antenna BT + WLAN is damaged – replace the Antenna BT + WLAN.
3. If the contact pin on Main PBA is damaged – replace Main PBA.



## Problem Areas

## 1.13 NFC

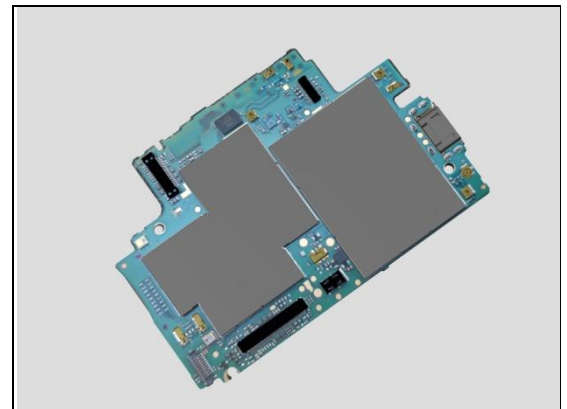
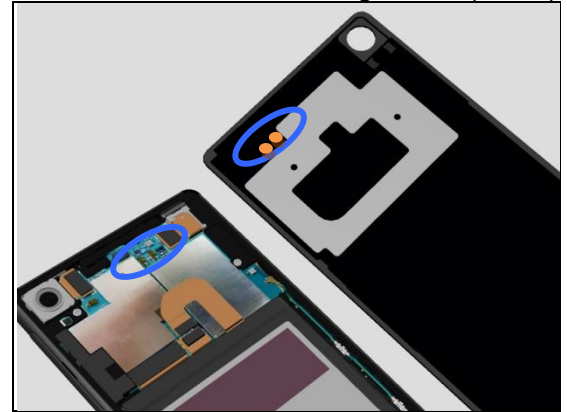
## 1.13.1 NFC malfunctions

### Check:

Inspect the NFC antenna contact pads on Rear Panel and the contact pins on Main PBA.

### Action:

1. If dirty or oxidized – clean the pads and pins.
2. If the NFC antenna contact pads are damaged – replace the Rear Panel.
3. If the contact pins on main PBA are damaged – replace Main PBA.



## Problem Areas

## 1.14 RX Diversity & GPS

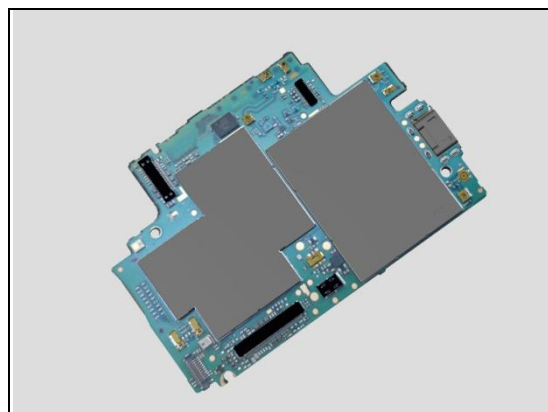
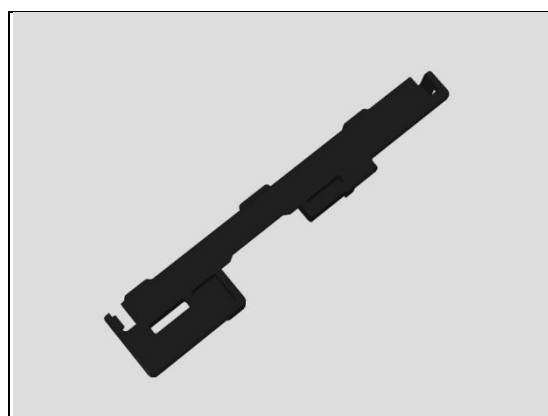
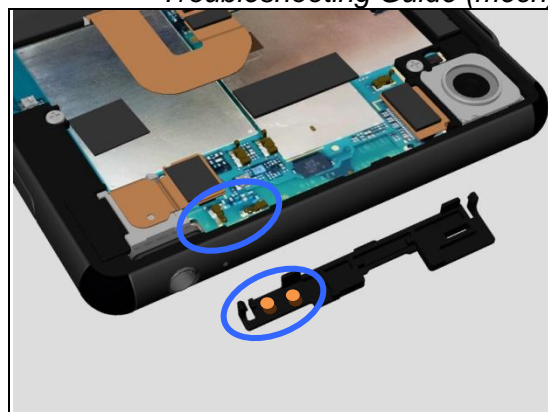
## 1.14.1 RX Diversity fails or GPS fails

### Check:

Inspect the contact pads on Sub Antenna and the contact pins on Main PBA.

### Action:

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



## Problem Areas

## 1.15 Compass

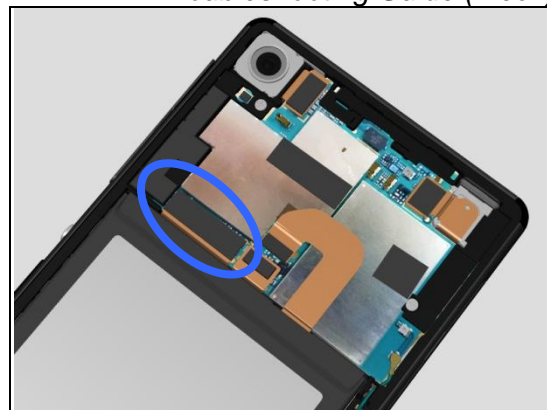
## 1.15.1 Compass fails

### Check:

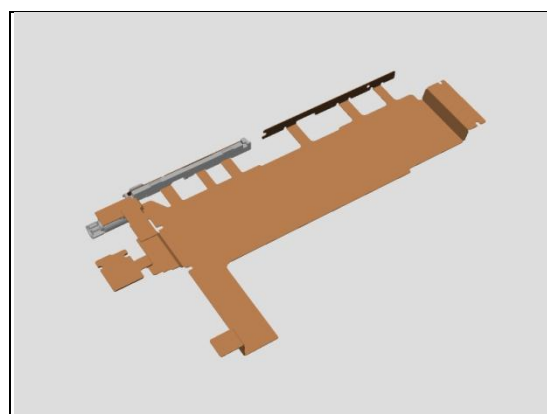
Inspect the BtB connector of Relay FPC to Main PBA.

### Action:

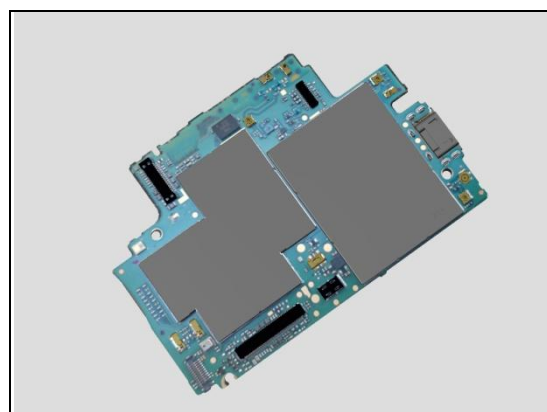
1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.



3. If the Relay FPC is damaged – replace it.



4. If the contact pins on main PBA are damaged – replace Main 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 Main PBA.

## Problem Areas

### 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 Main PBA.

## Problem Areas

### 1.18 Ambient Light Sensor

#### 1.18.1 Light Sensor malfunctions

**Check:**

Inspect the external window area of light sensor on the Front Assy.

**Action:**

1. If dirty – clean it.

2. If scratched or damaged – replace the Front Assy.

**Check:**

Inspect the BtB connector of Audio Jack to Main PBA.

**Action:**

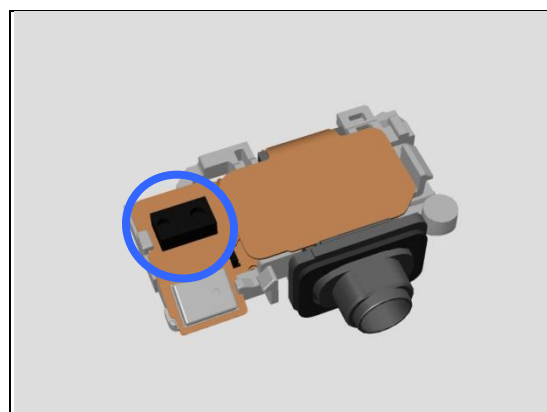
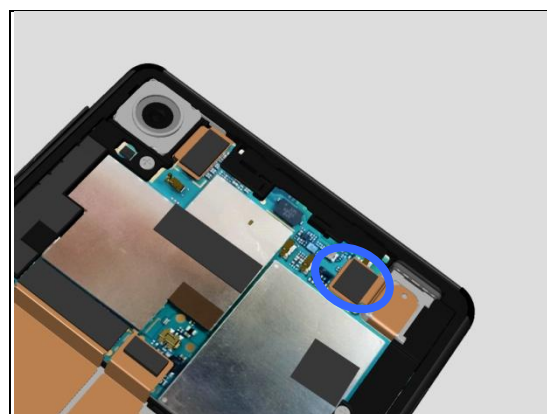
1. If not properly connected – disconnect and reconnect it.

2. If dirty or oxidized – clean it.

3. If the Audio Jack is damaged – replace it.

4. Replace Main PBA.

**Note:** The ambient light sensor is soldered Audio Jack.



## Problem Areas



## 1.19 Proximity Switch

### 1.19.1 Proximity switch malfunctions

**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 BtB connector of Audio Jack to Main PBA.

**Action:**

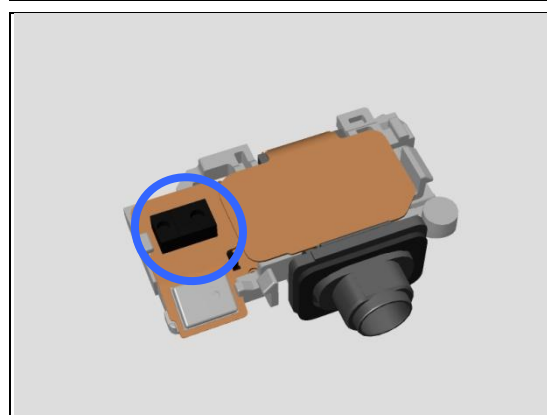
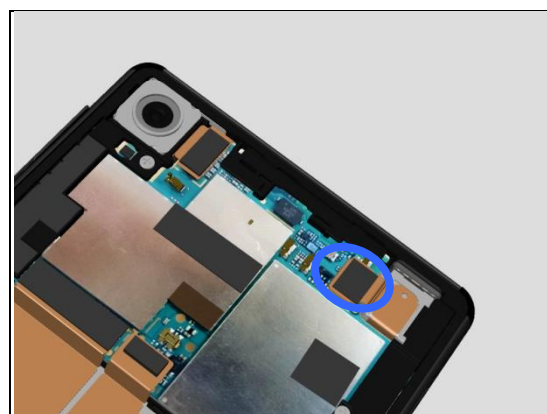
1. If not properly connected – disconnect and reconnect it.

2. If dirty or oxidized – clean it.

3. If the Audio Jack is damaged – replace it.

4. Replace Main PBA.

**Note:** The proximity switch is soldered Audio Jack.



## Problem Areas

### 1.20 Pressure Sensor

#### 1.20.1 Pressure Sensor test fails

Replace Main PBA.

## Problem Areas

## 1.21 Water Resistance

### 1.21.1 Water Resistance fails

**Check:**

Inspect the Cap SIM.

**Action:**

1. If dirty – clean it.
2. If not properly assembled – disassemble and reassemble.



3. If the Cap SIM is damaged – replace it.

**Run the Water Resistance Test again!**



**Check:**

Inspect the Cap USB.

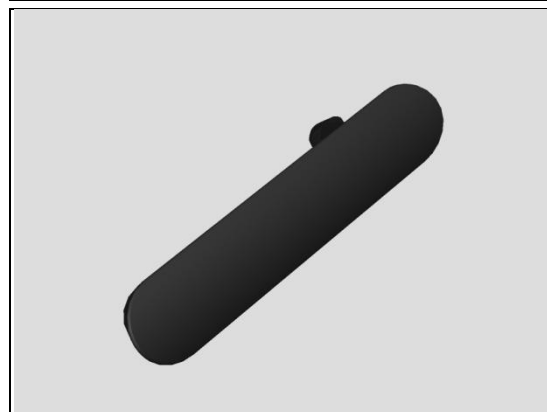
**Action:**

1. If dirty – clean it.
2. If not properly assembled – disassemble and reassemble.



3. If the Cap USB is damaged – replace it.

**Run the Water Resistance Test again!**



## Problem Areas: Water Resistance

### Check:

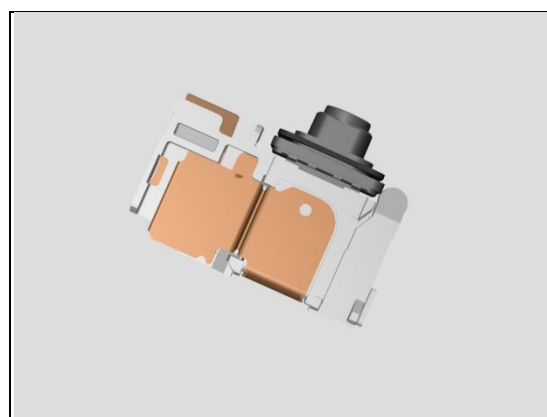
Inspect the Audio Jack hole.



### Action:

If damaged – replace the Audio Jack.

**Note:** Audio Jack already has Adhesive WP Audio Jack.



**Run the Water Resistance Test again!**

### Check:

Inspect the Magnetic Connector.



### Action:

If not properly assembled or damaged – replace it.

**Run the Water Resistance Test again!**



## Problem Areas: Water Resistance

**Check:**

Inspect the primary microphone port.

**Action:**

If dirty, clean the port.

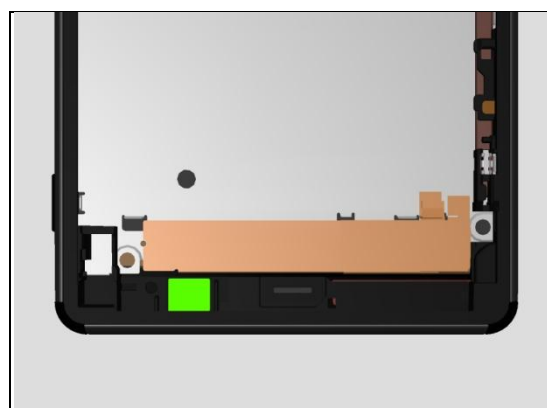


**Check:**

Inspect the Gore Sheet(1st mic) on Front Assy.

**Action:**

If damaged – replace the Gore Sheet(1st mic)



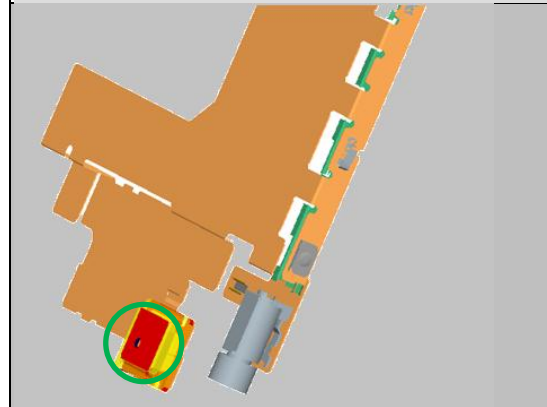
**Check:**

Inspect the Holder Mic sub assembly on Relay FPC.

**Action:**

If damaged – replace the Holder Mic sub assembly.

**Run the Water Resistance Test again!**



**Check:**

Inspect the secondary microphone port.



## Problem Areas: Water Resistance

**Action:**

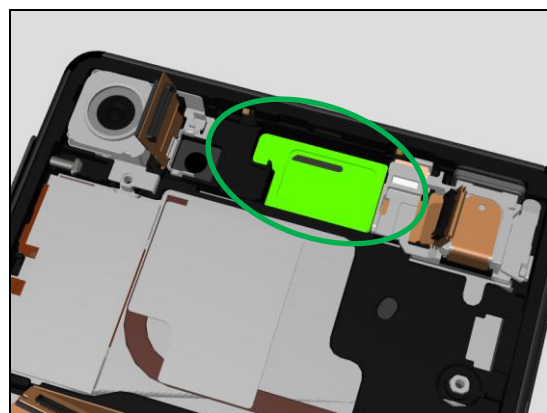
If damaged – replace the Front Assy.

**Run the Water Resistance Test again!**



**Check:**

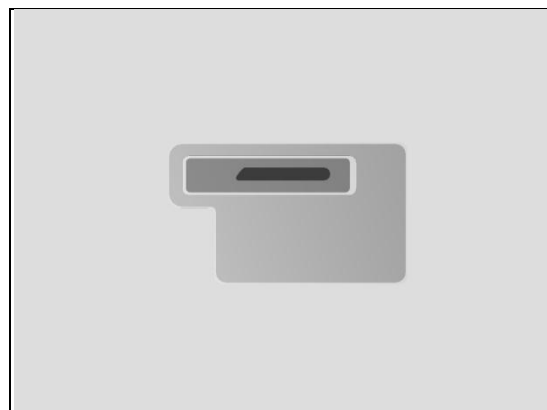
Inspect the Grill Receiver Black for Receiver.



**Action:**

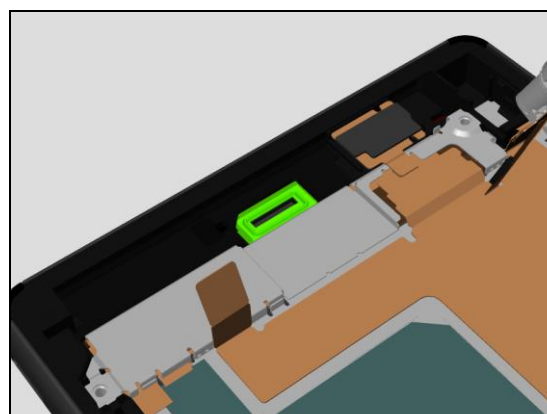
If damaged – replace the Grill Receiver Black.

**Run the Water Resistance Test again!**



**Check:**

Inspect the Gasket speaker rubber under Holder Speaker sub assembly for Speaker.

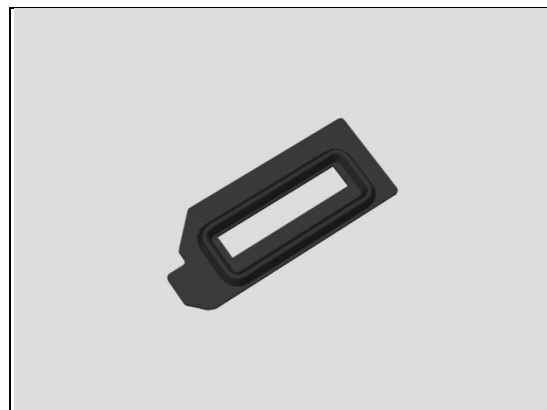


## Problem Areas: Water Resistance

**Action:**

If damaged – replace the Gasket speaker rubber.

**Run the Water Resistance Test again!**



**Check:**

Inspect the edge of Front Assy for damage and gap.



**Action:**

1. If the edge of Front Assy has gap – replace it.
2. If the Front Assy is damaged – replace it.

**Run the Water Resistance Test again!**



## Problem Areas: Water Resistance

**Check:**

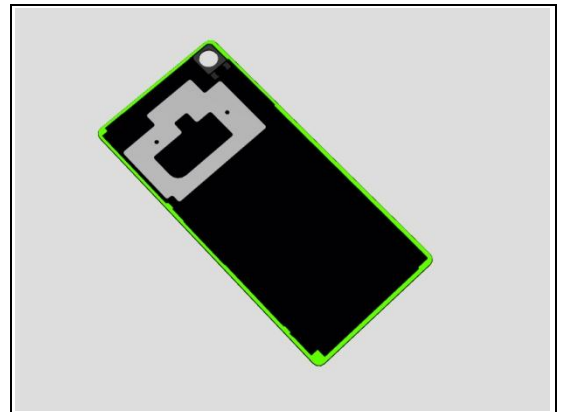
Inspect the edge of Rear Panel for damage and gap.



**Action:**

1. If the edge of Rear Panel has gap – reassembly Adhesive Rear Panel.
2. If damaged – replace it.

**Run the Water Resistance Test again!**



## Problem Areas



## 1.22 Real Time Clock

### 1.22.1 Real time clock test fails

**Action:**

Replace Main PBA.

## Problem Areas

### 1.23 Total call time

#### 1.23.1 Total call time fails

**Action:**

Replace Main PBA.

## Problem Areas

## 1.24 External Memory

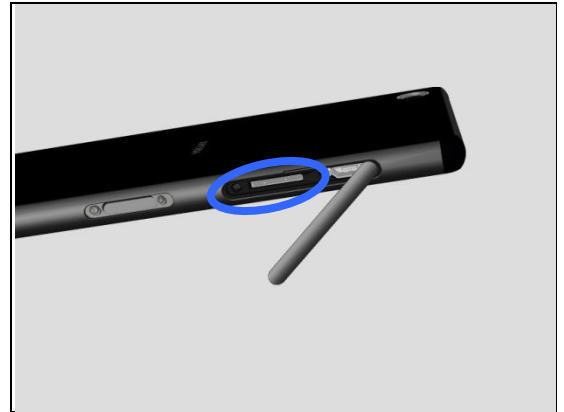
### 1.24.1 Memory Card not detected

**Check:**

Inspect that if a memory card is properly inserted.

**Action:**

If not properly inserted – insert the memory card correctly.

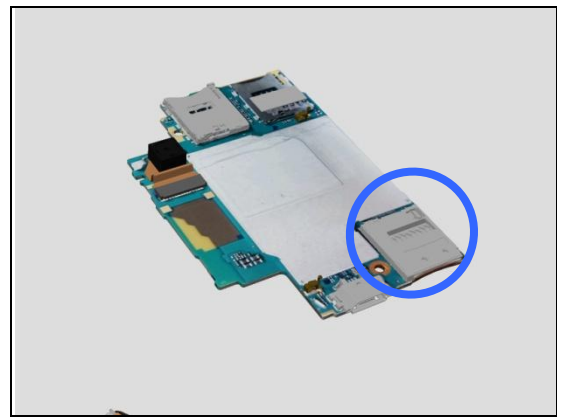


**Check:**

Inspect the memory card holder on Main PBA.

**Action:**

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



## Problem Areas

## 1.25 Security

### 1.25.1 Security fails

**Action:**

Replace Main PBA.

## Problem Areas

### 1.26 FM Radio

#### 1.26.1 No/Poor FM Radio reception

**Check:**

Inspect the external port of the Front Assy.

**Action:**

1. If dirty or oxidized – clean it.

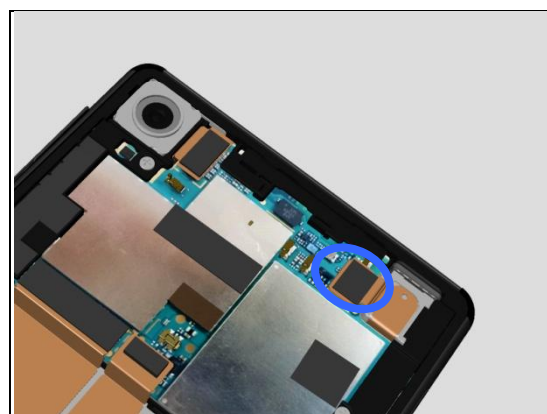


**Check:**

Inspect the BtB connector of Audio Jack to Main PBA.

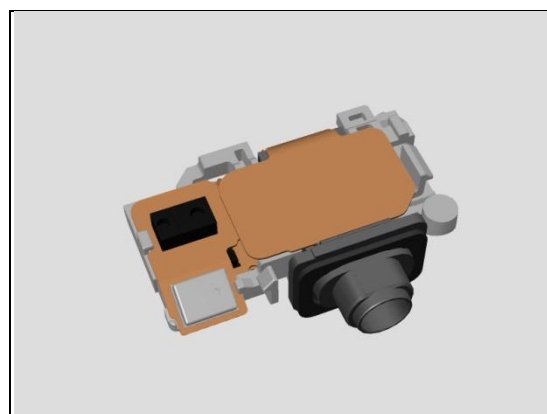
**Action:**

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

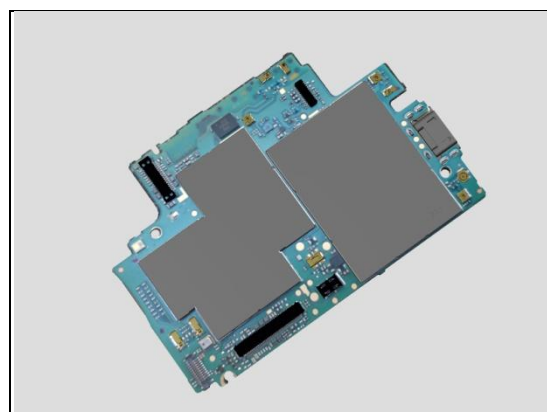


3. If the Audio Jack is damaged – replace it.

**Note:** Headset will be used as FM Antenna through Audio Jack.



4. Replace Main PBA.



## Problem Areas

## 1.27 Battery Health test

### 1.27.1 Battery Health test fails

N/A.

## Problem Areas

## **1.28 Flip Slider Counter**

### **1.28.1 Flip Slider Counter fails**

N/A. Not slider phone.

## Problem Areas

### 1.29 Verify Certificates

#### 1.29.1 Verify Certificates fails

**Action:**

N/A.

## Problem Areas

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## **1.30 IrDA Test**

### **1.30.1 IrDA test fails**

N/A. No IrDA functionality in the phone.

## Problem Areas

### 1.31 TV-Out Test

#### 1.31.1 TV-Out test fails

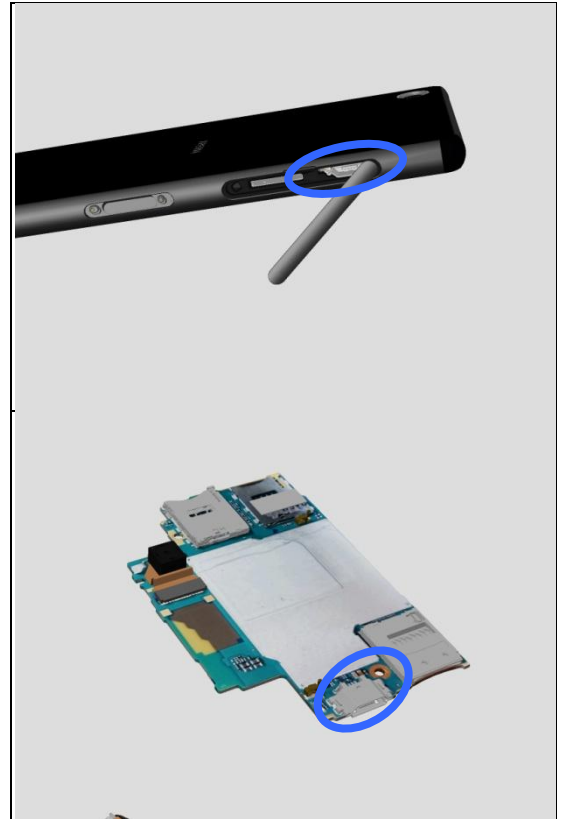
**Check:**

Inspect the USB connector.

**Action:**

1. If dirty or oxidized – clean the connector.

2. Replace Main PBA.



## Problem Areas

### 1.32 Network & Signal

#### 1.32.1 No/Poor signal

**Check:**

Inspect the contact pads on the Main Antenna and the contact pins on Sub PBA-A .

**Action:**

1. If dirty or oxidized – clean the pads and pins.

2. If the contact pads are damaged – replace the Main Antenna.

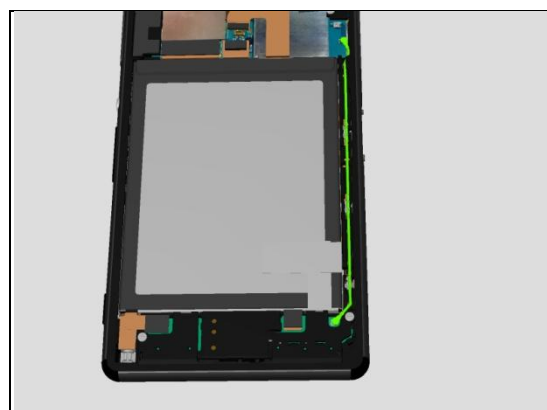
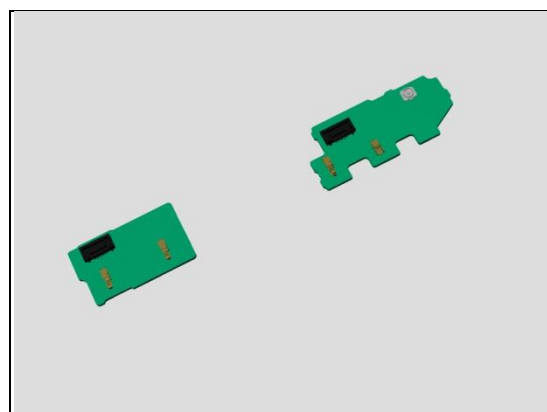
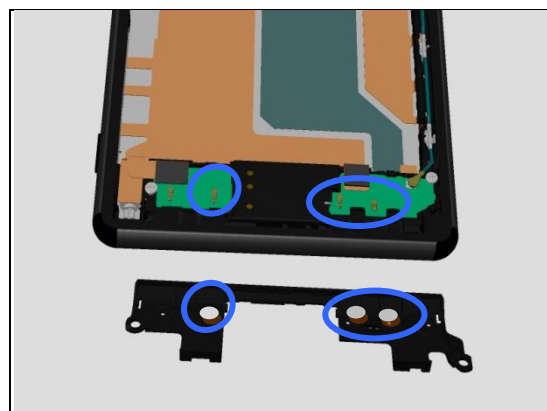
3. If the contact pins on Sub PBA-A and Sub PBA-B are damaged – replace the them.

**Check:**

Inspect the two RF connectors of RF Cable.

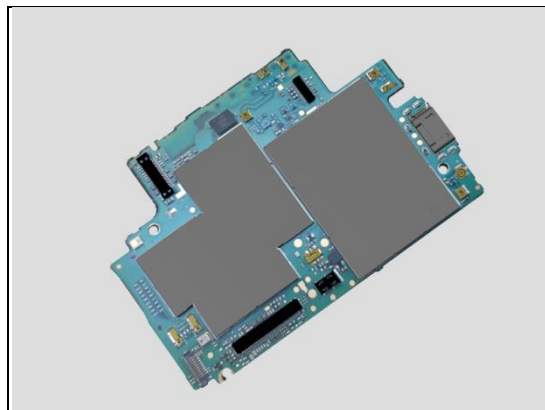
**Action:**

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



## Problem Areas: Network & Signal

3. Replace Main PBA.



## Problem Areas

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## 1.33 SIM

### 1.33.1 SIM not detected

**Check:**

Inspect the external port of the SIM card holder and check if a SIM card can be properly inserted.

**Action:**

If dirty or clogged – clean the external port.

**Note! The product supports only Nano SIM!**

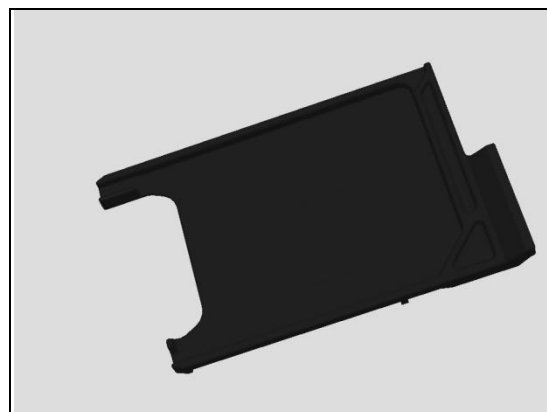


**Check:**

Inspect the SIM Tray.

**Action:**

1. If the SIM Tray is damaged – Replace it.

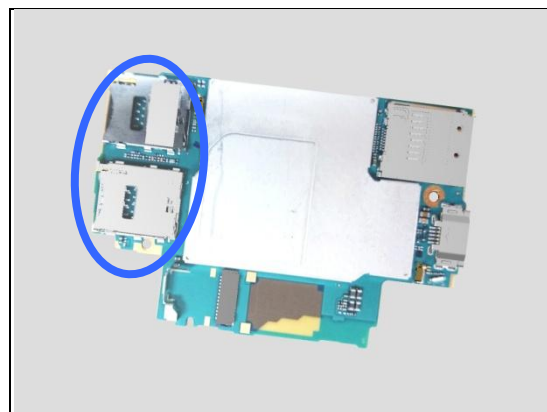


**Check:**

Inspect the SIM card holder on Main PBA.

**Action:**

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



### 1.33.2 Incorrect UIM or SIM indicated

**Check:**

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

**Action:**

1. Use a proper operator UIM/SIM or test UIM/SIM.  
2. Replace Main PBA.

**Note! The product supports only Nano SIM!**



## Problem Areas

### 1.34 Charging

#### 1.34.1 Battery will not charge by USB connector

**Check:**

Inspect the USB connector.

**Action:**

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

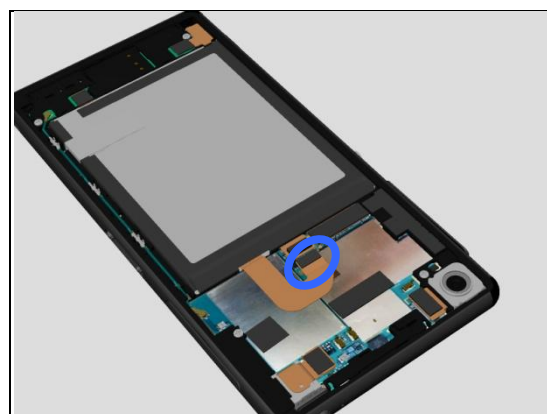


**Check:**

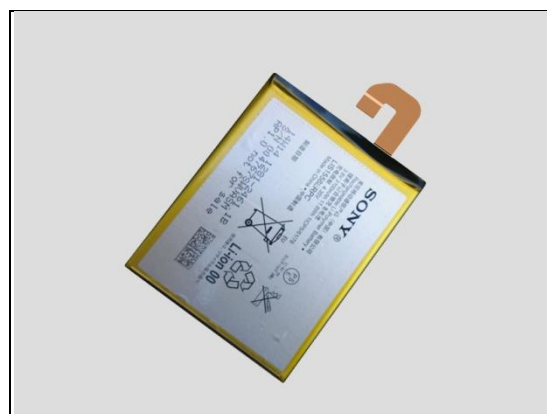
Inspect the BtB connector of the Embedded Battery to Main PBA.

**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 Battery is damaged – replace the Embedded Battery.



#### 1.34.2 Battery will not charge by charge pad

**Check:**

Inspect the external port of the Magnetic Connector.

**Action:**

If dirty or oxidized – clean it.



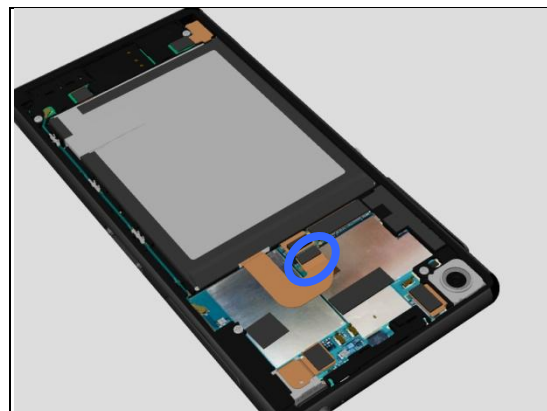
## Problem Areas: Charging

**Check:**

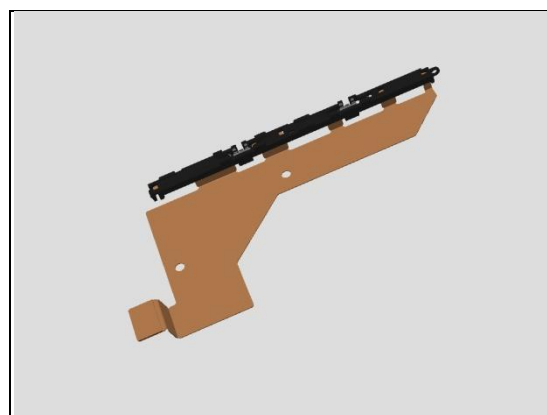
Inspect the BtB connector of the Charge FPC to Main PBA.

**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 or the FPC is damaged – replace the Charge FPC.

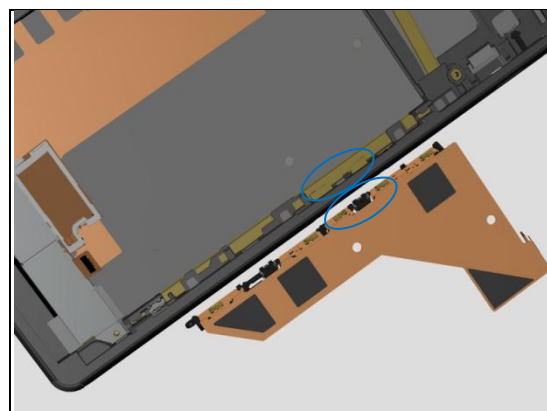


**Check:**

Inspect the contact pins on Charge FPC and pads on Magnetic Connector.

**Action:**

1. If dirty or oxidized – clean the pins and pads.



2. If the contact pads of Magnetic connector are damaged – replace the Magnetic connector.
3. Replace Main PBA.



## Problem Areas

## 1.35 Audio Jack test

### 1.35.1 Connection to headset fails

**Check:**

Inspect the external port of the Audio Jack.

**Action:**

1. If dirty or oxidized – clean it.

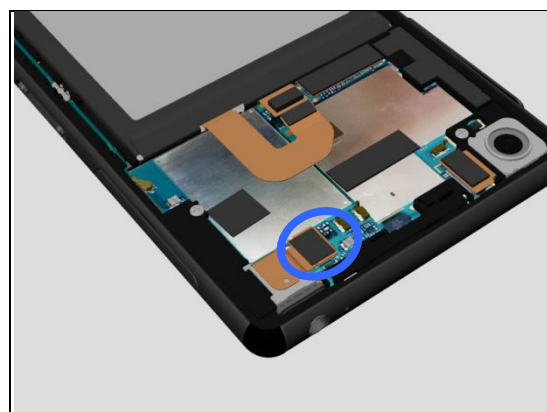


**Check:**

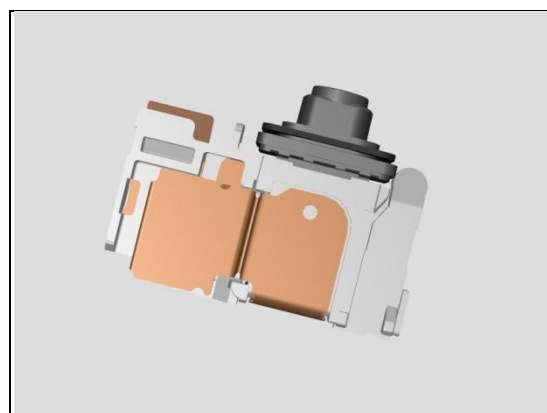
Inspect the BtB connector of Audio Jack to Main PBA.

**Action:**

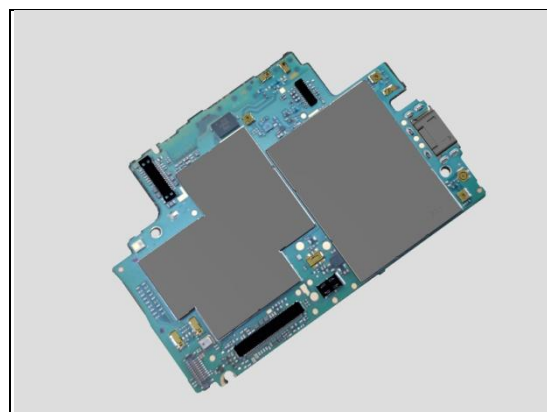
1. If not properly connected – disconnect and reconnect it.
2. If dirty or oxidized – clean it.



3. If the BtB connector or Audio Jack is damaged – replace the Audio Jack.



4. Replace Main PBA.



## Problem Areas



## 1.36 Data Communication

### 1.36.1 Data transfer via System Connector fails

**Check:**

Inspect the USB connector.

**Action:**

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



## 2 Revision History

Rev.	Date	Changes / Comments
1	2014-09-12	Initial release
2	2014-09-12	Remove Hall Element chapter(N/A)
3	2014-09-17	Update GPS chapter
4	2014-12-05	Cover Page update
5	2015-04-08	Add D6683