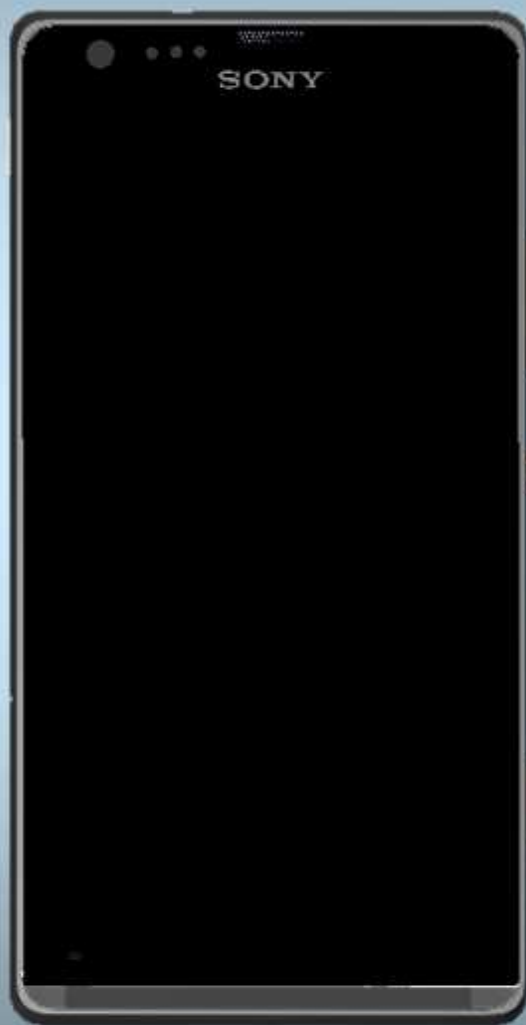


Working Instructions

- mechanical -



Xperia™ SP
C5303/C5302/C5306/M35h/M35c/M35t

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

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

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

If there are no special indications of 'C5303/C5302/C5306/M35h Specific', 'M35c Specific' or 'M35t Specific', C5303/C5302/C5306/M35h, M35c and M35t sh are the same repair method as common sections, whose pictures are used with C5303. 'C5303/C5302/C5306/M35h Specific' chapters use C5303 pictures, and 'M35c/M35t Specific' chapters use M35c pictures.

1 Exterior Views

1.1 C5303/C5302/C5306/M35h



Exterior Views

1.2 M35c



Exterior Views

1.3 M35t



2 Tools

SPECIAL TOOLS

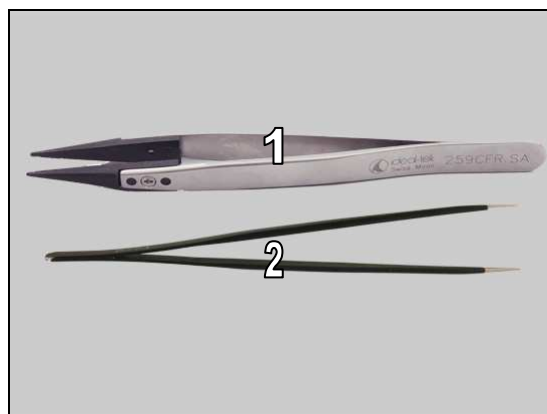
1. Torque Screwdriver
2. Flex Film Assembly Tool
3. Torx Bits T3
4. Bits (JCIS No 0)
5. Front Opening Tool
6. Guitar Pick



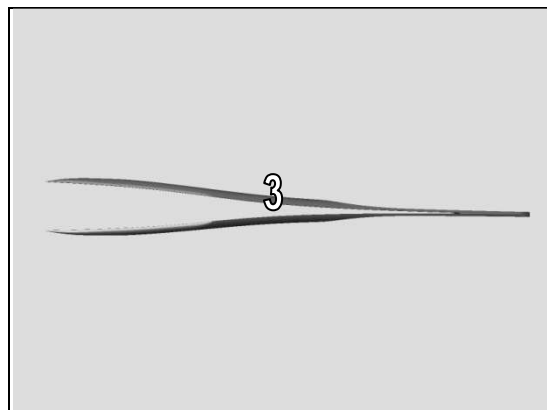
For part no's on the tools above, refer to the 'Tools Catalogue/Matrix'!

STANDARD TOOLS

1. Plastic Tweezers
2. Pointed-tip Tweezers



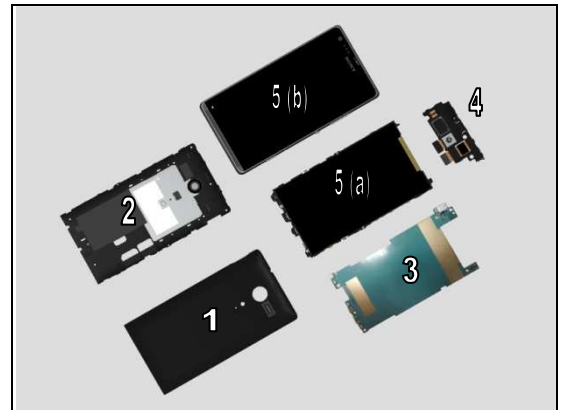
3. Blunt-tip Tweezers



3 Disassembly

The C5303/C5302/C5306/M35h/M35c/M35t disassembly is done in the following order:

1. Cover Battery Assy
2. Ant Rear Cover Assy
3. Main PBA
4. Speaker Box Assy
5. Carrier LCD Frame Assy (a) & Touch Front Cover Assy (b)



3.1 Cover Battery Assy

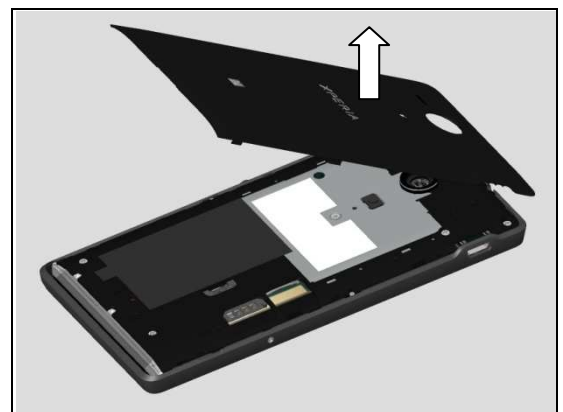
Insert the Guitar Pick as shown in the picture and gently pull upwards to release the Cover Battery Assy.



Insert the Guitar Pick into this position as shown in the picture and gently pull upwards to release the Cover Battery Assy.



Remove the Cover Battery Assy.



Disassembly

3.2 Ant Rear Cover Assy

Remove the four Screw Len:4.0 Diam:1.4 by using a screwdriver with Bits (JCIS No 0).

Scrap! Not to be reused!



Remove the Screw Len:3.8 Diam:1.4 by using a screwdriver with Bits (JCIS No 0).

Scrap! Not to be reused!



Remove the two Screw Len:3.25 Diam:1.4 by using a screwdriver with Bits (JCIS No 0).

Scrap! Not to be reused!



Remove the Screw M1_4 by using a screwdriver with Bits (JCIS No 0).

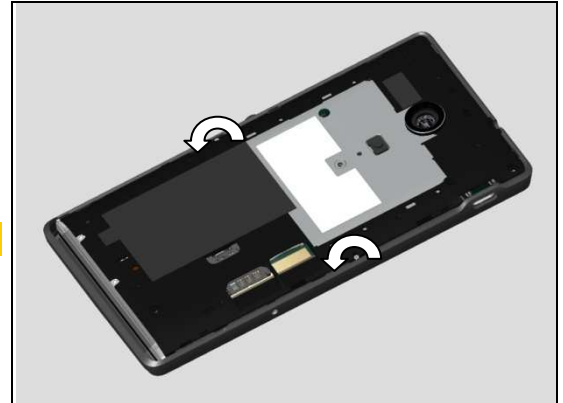
Scrap! Not to be reused!



Disassembly

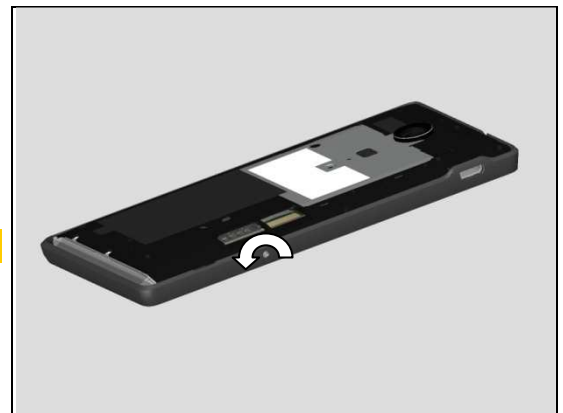
Remove the two Screw Len:2.1 Diam:1.0 by using a screwdriver with Bits (JCIS No 0).

Scrap! Not to be reused!



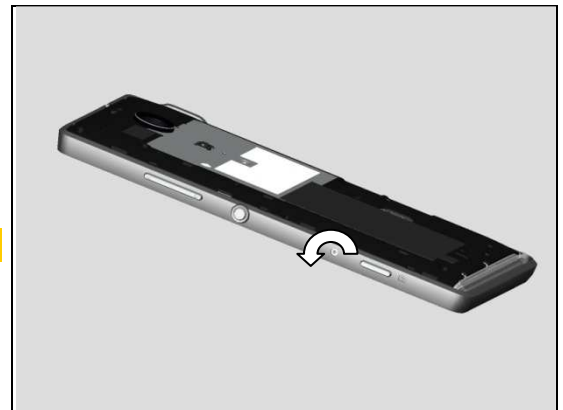
Remove the Cosmetic Screw of this side by using a screwdriver with Torx Bits T3.

Scrap! Not to be reused!

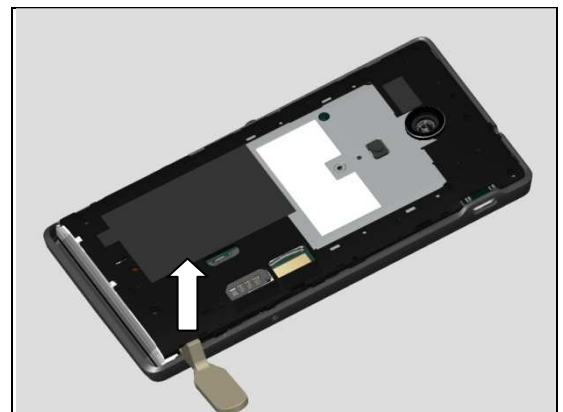


Remove the Cosmetic Screw of the other side by using a screwdriver with Torx Bits T3.

Scrap! Not to be reused!



Insert the Front Opening Tool at this position as shown in picture and gently release the hooks at the bottom right side.

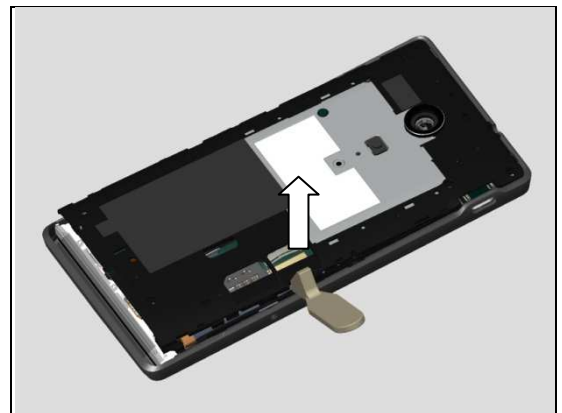


Disassembly

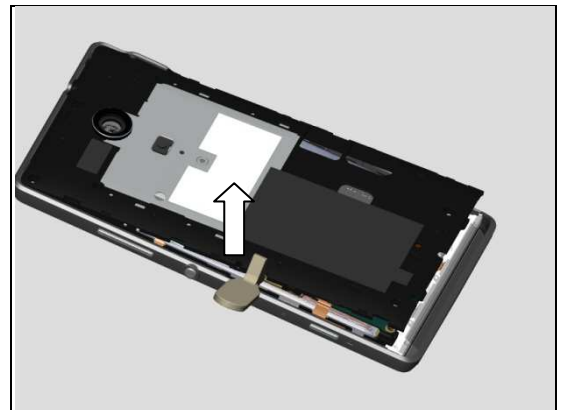
Insert the Front Opening Tool at this position as shown in picture and gently release the hooks at the bottom side.



Insert the Front Opening Tool at this position as shown in picture and gently release the hooks at the right side.

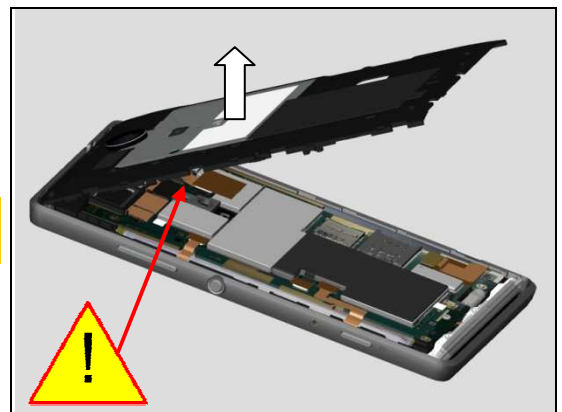


Insert the Front Opening Tool as shown in picture and gently release the hooks at the left side.



Gently lift up the Ant Rear Cover Assy as shown in picture.

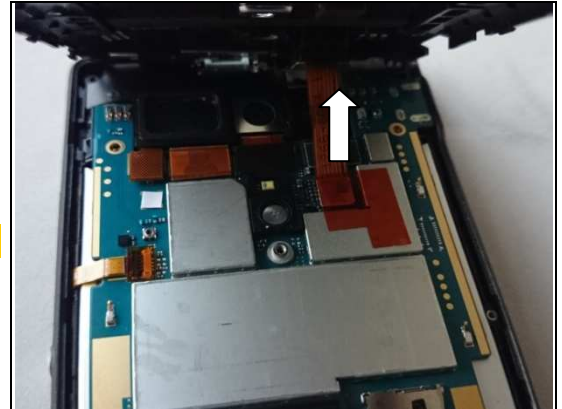
Be careful! Do not stretch the Audio Jack FPC underneath!



Disassembly

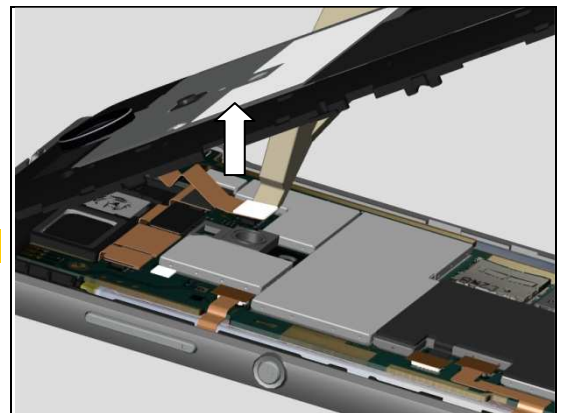
Detach the Foil Adhesive Audio Jack FPC Connector by using the Flex Film Assembly Tool and remove it.

Scrap! Not to be reused!

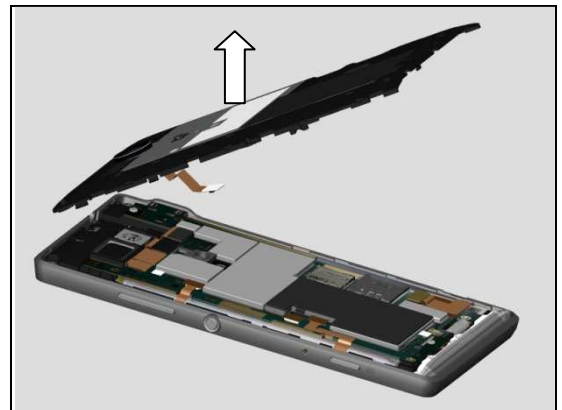


Disconnect the Audio Jack FPC BtB connector by using the Front Opening Tool.

Do not damage components on the Main PBA!



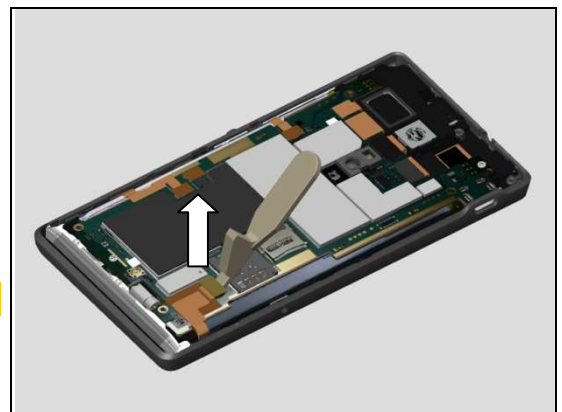
Remove the Ant Rear Cover Assy.



3.3 Main PBA

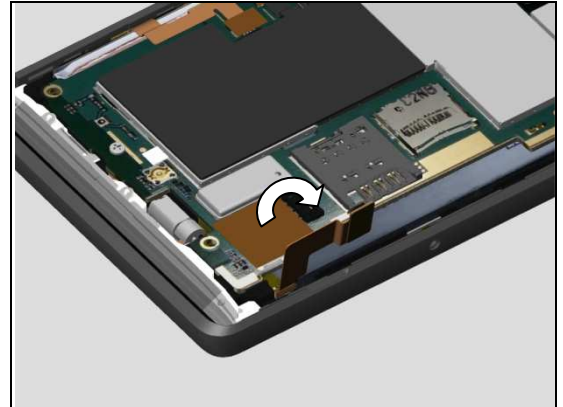
Disconnect the Battery Assy FPC BtB connector by using the Front Opening Tool.

Do not damage components on the Main PBA!



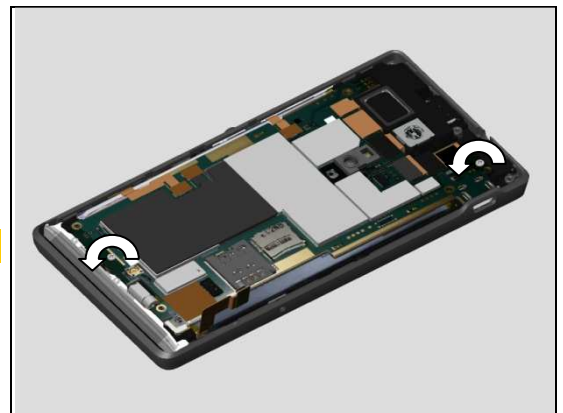
Disassembly

Lift up the Battery Assy FPC as shown in picture.



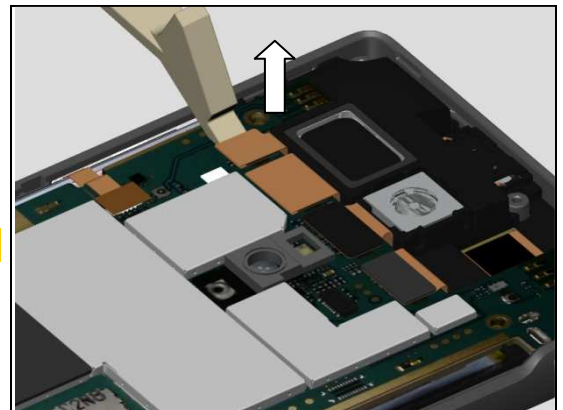
Remove the two Screw Len:3.25 Diam:1.4 by using a screwdriver with Bits (JCIS No 0).

Scrap! Not to be reused!



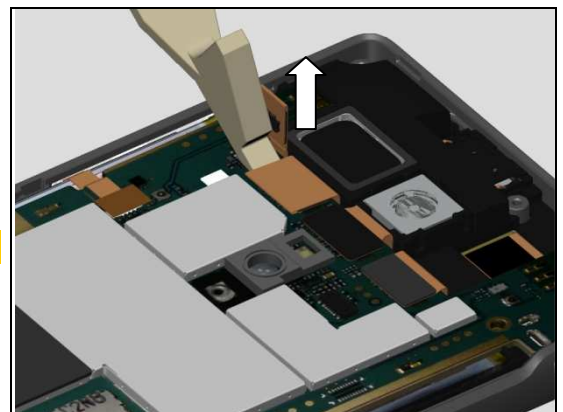
Disconnect the Touch Panel FPC BtB connector from this side as shown in picture by using the Front Opening Tool.

Do not damage components on the Main PBA!



Disconnect the Display FPC BtB connector from this side as shown in picture by using the Front Opening Tool.

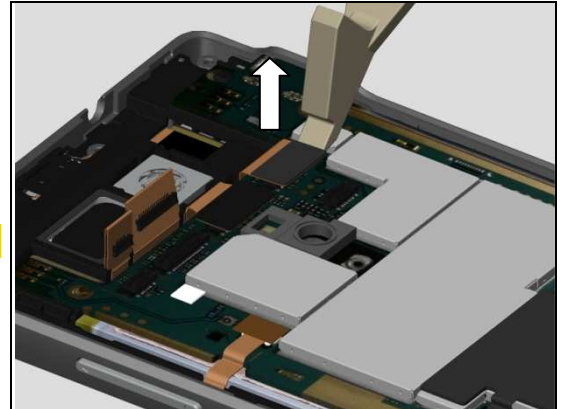
Do not damage components on the Main PBA!



Disassembly

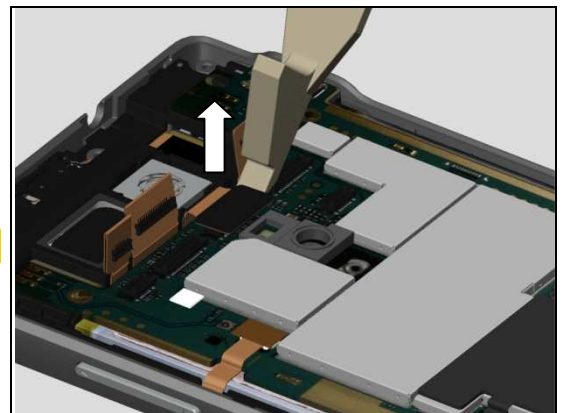
Disconnect the Chat Camera FPC BtB connector from this side as shown in picture by using the Front Opening Tool.

Do not damage components on the Main PBA!



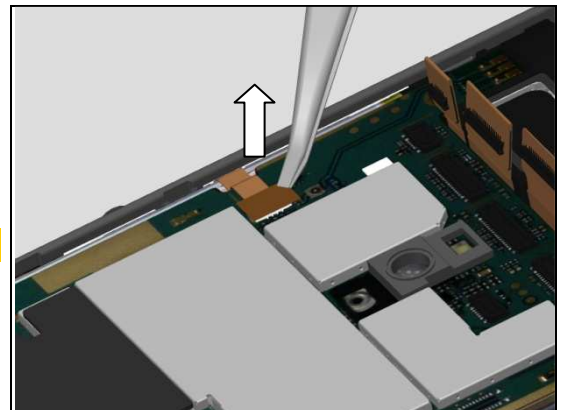
Disconnect the Main Camera FPC BtB connector from this side as shown in picture by using the Front Opening Tool.

Do not damage components on the Main PBA!

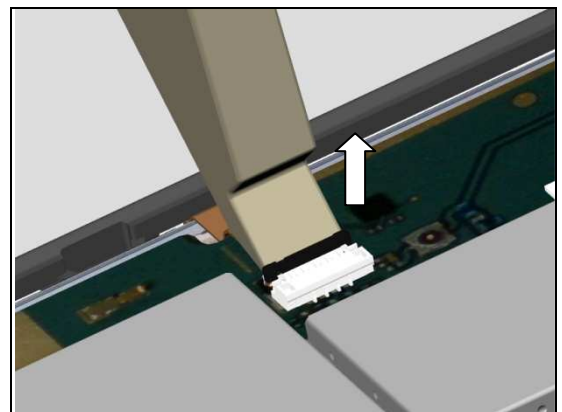


Detach the Foil Adhesive ZIF Connector of Sidekey FPC by using the Flex Film Assembly Tool and remove it.

Scrap! Not to be reused!

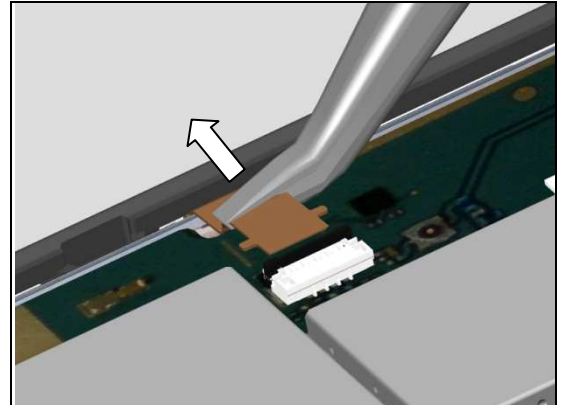


Unlock the ZIF connector by using the Front Opening Tool.

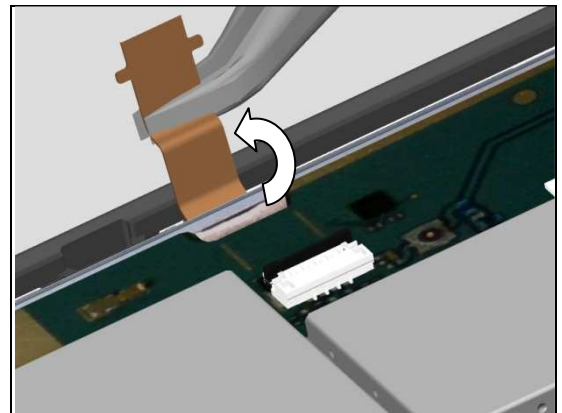


Disassembly

Release the Sidekey FPC by using the Flex Film Assembly Tool.



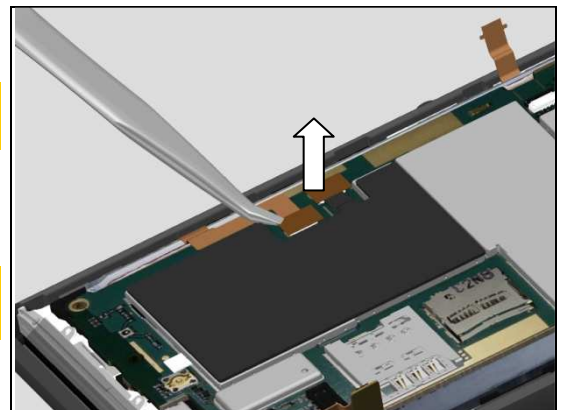
Lift up the Sidekey FPC as shown in picture.



Below four actions for disassembly of the Camera Key FPC are C5303/C5302/C5306/M35h specific!

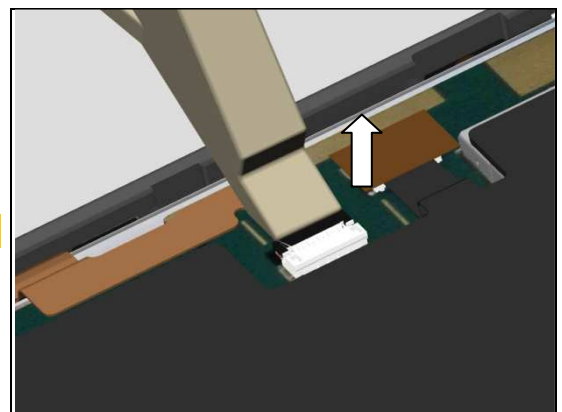
Detach the Foil Adhesive ZIF Connector of Camera Key FPC by using the Flex Film Assembly Tool and remove it.

Scrap! Not to be reused!
C5303/C5302/C5306/M35h specific!



Unlock the ZIF connector by using the Front Opening Tool.

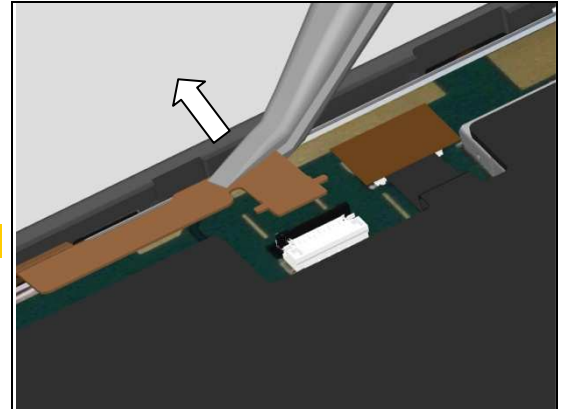
C5303/C5302/C5306/M35h specific!



Disassembly

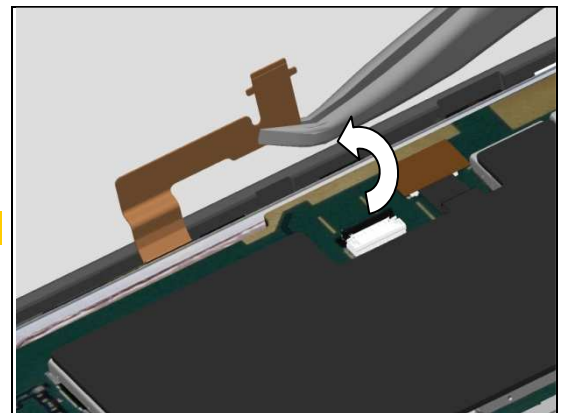
Release the Camera Key FPC by using the Flex Film Assembly Tool.

C5303/C5302/C5306/M35h specific!



Lift up the Camera Key FPC as shown in picture.

C5303/C5302/C5306/M35h specific!

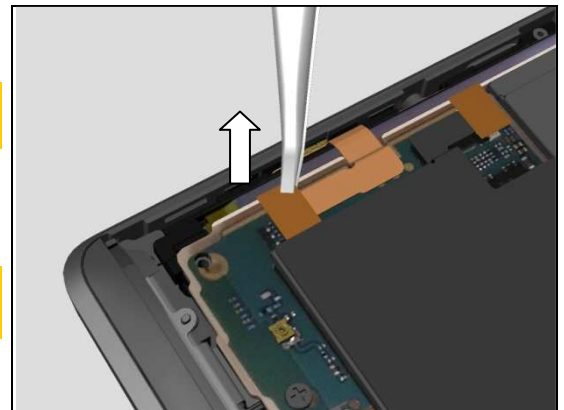


Below four actions for disassembly of the Camera Key FPC are M35c/M35t specific!

Detach the Foil Adhesive ZIF Connector of Camera Key FPC by using the Flex Film Assembly Tool and remove it.

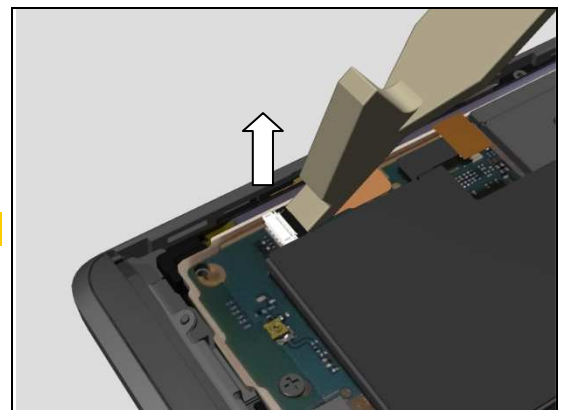
Scrap! Not to be reused!

M35c/M35t specific!



Unlock the ZIF connector by using the Front Opening Tool.

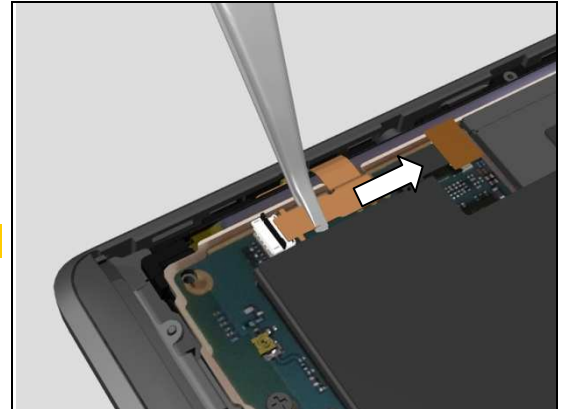
M35c/M35t specific!



Disassembly

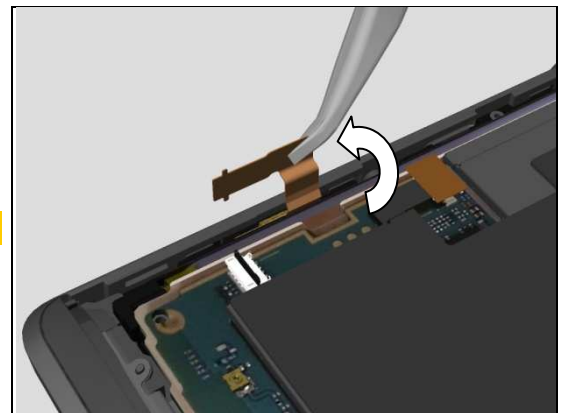
Release the Camera Key FPC by using the Flex Film Assembly Tool.

M35c/M35t specific!



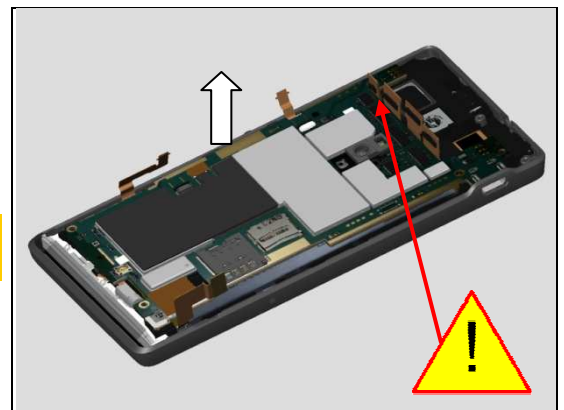
Lift up the Camera Key FPC as shown in picture.

M35c/M35t specific!



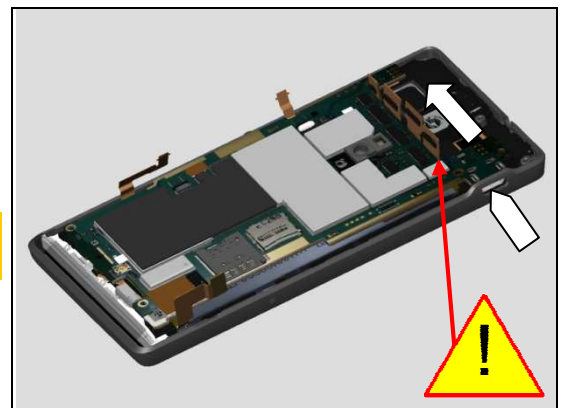
Lift up the Main PBA slightly at the left side as shown in picture.

Be careful! Do not damage the Touch Panel FPC and its connector!



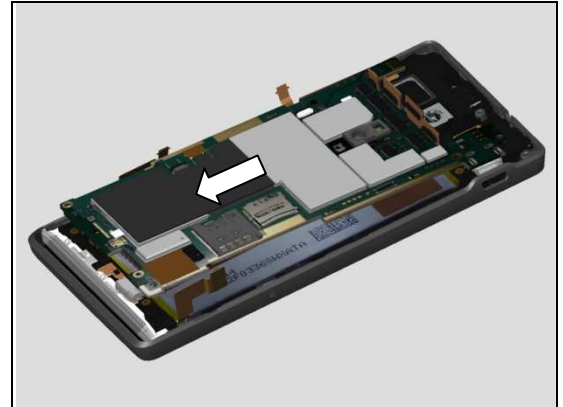
Release the USB connector from its hole as shown in the picture.

Be careful! Do not damage the Chat Camera FPC and its connector!



Disassembly

Release the Main PBA.



3.4 Speaker Box Assy

Identify the release position as shown in picture.



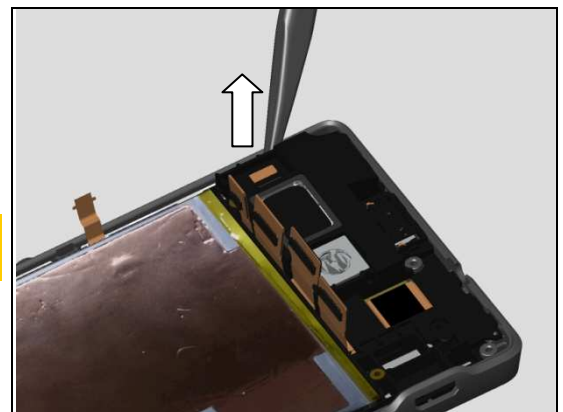
Insert the Blunt-tip Tweezers into that gap.

Note! The tweezers can be metallic, but it must be the Blunt-tip Tweezers with correct tweezers thickness.



Release the hooks at the left side by using the Blunt-tip Tweezers.

Note! The Speaker Box Assy may be slightly tight during the first disassembly.



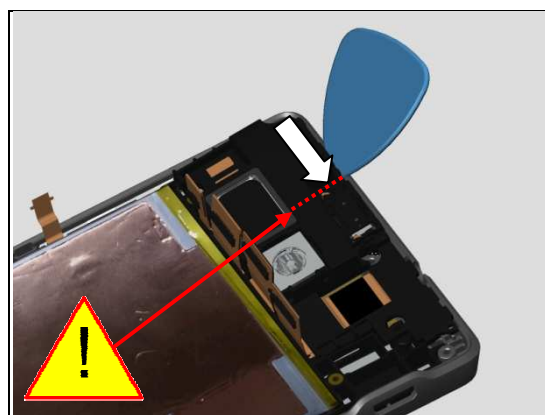
Disassembly

Insert the Guitar Pick at this position as shown in picture.

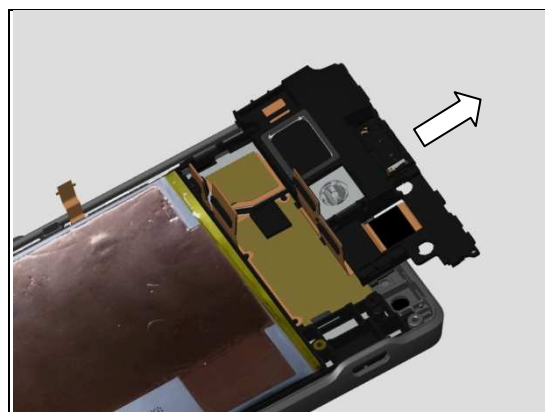


Gently slide as shown in picture to release the hooks at top side and right side.

Stop here and do not damage the Mesh Gasket Earspeaker and the components on the Chat Camera FPC Assy underneath!



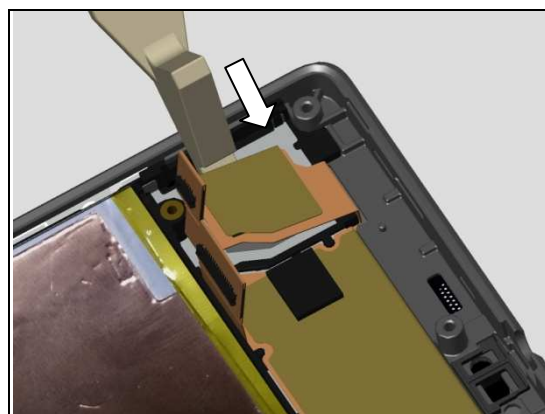
Remove the Speaker Box Assy.



3.5 Carrier LCD Frame Assy (a) & Touch Front Cover Assy (b)

Push to detach the Touch Panel FPC from the Carrier LCD Frame Assy from this side as shown in picture by using the Front Opening Tool.

Be careful! The adhesive strength may be slightly strong, make sure not to damage the Touch Panel FPC!

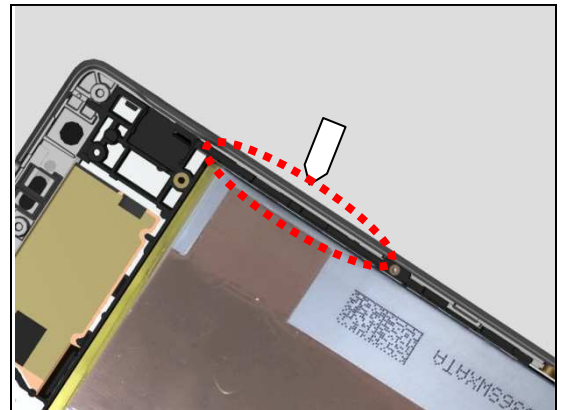


Disassembly

Lift up the Touch Panel FPC as shown in picture.

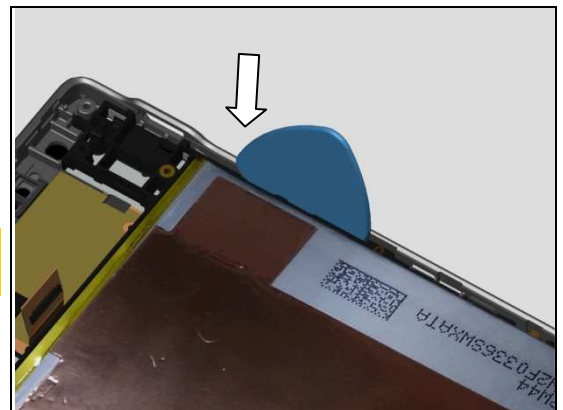


Identify the release position as shown in picture.



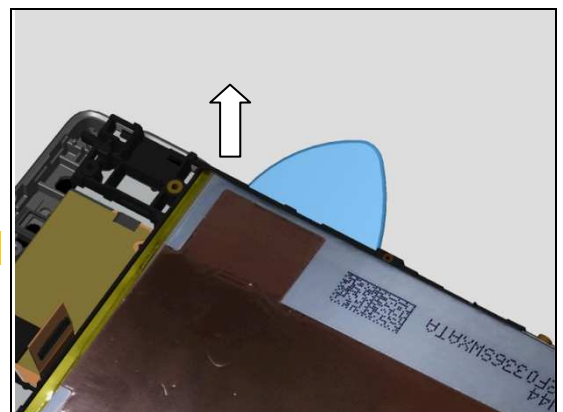
Insert the Guitar Pick at this position into the bottom between the Carrier LCD Frame Assy and the Touch Front Cover Assy as shown in picture.

Note! Use the whole one side of the Guitar Pick to insert.



Gently release the top right side of the Carrier LCD Frame Assy from the Touch Front Cover Assy as shown in picture.

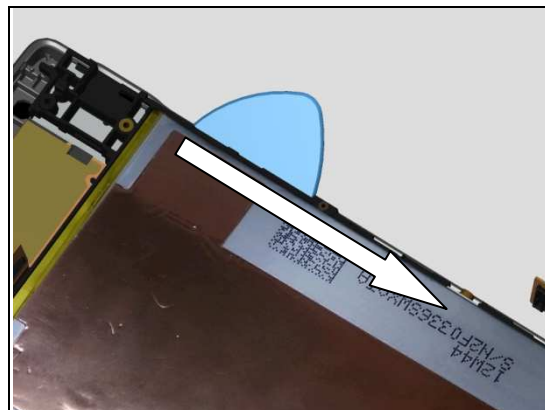
Be careful! Do not damage the Display underneath.



Disassembly

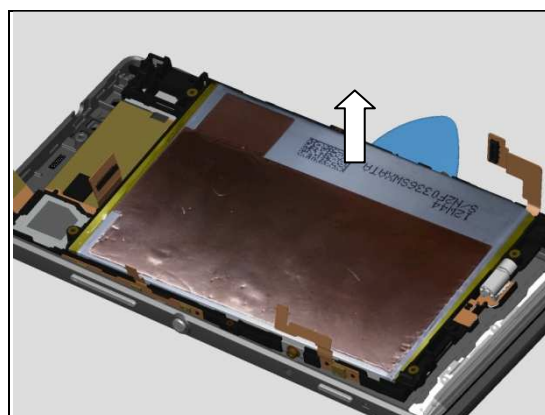
Gently slide to release the whole right side as shown in picture.

Be careful! Do not damage the Display underneath.

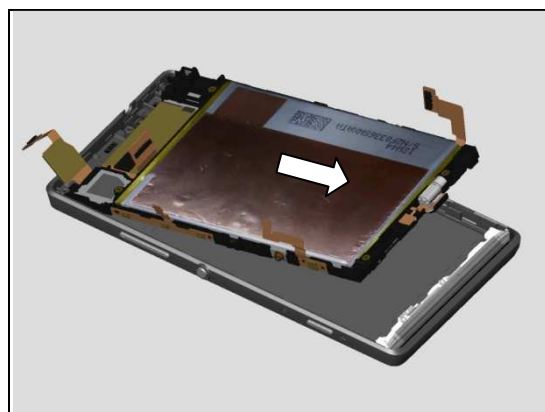


Gently release the bottom side of the Carrier LCD Frame Assy as shown in picture.

Be careful! Do not damage the Display underneath.



Remove the Carrier LCD Frame Assy.



4 Replacement

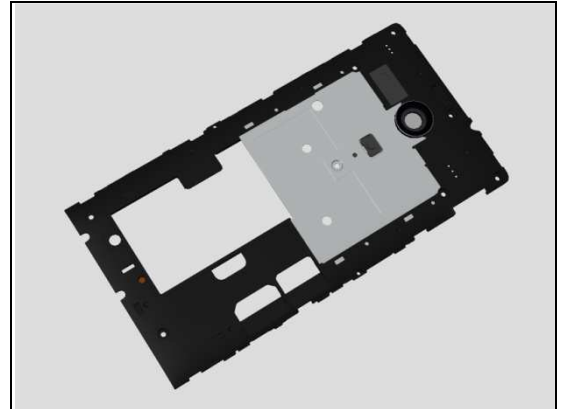
4.1 Ant Rear Cover Assy (C5303/C5302/C5306/M35h Specific)

Follow the 3.1 – 3.2 Disassembly instructions!

Prepare a new Ant Rear Cover Assy.

Follow the 4.14, 4.21 and 4.28 Installation instructions!

Follow the 5.4 – 5.5 Reassembly instructions!



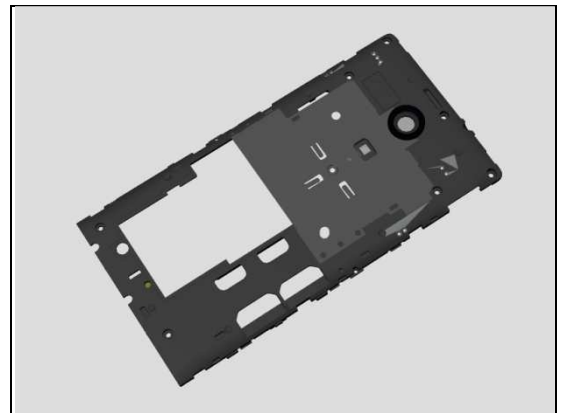
4.2 Ant Rear Cover Assy (M35c Specific)

Follow the 3.1 – 3.2 Disassembly instructions!

Prepare a new Ant Rear Cover Assy.

Follow the 4.14, 4.21, 4.29, 4.30 and 4.31 Installation instructions!

Follow the 5.4 – 5.5 Reassembly instructions!



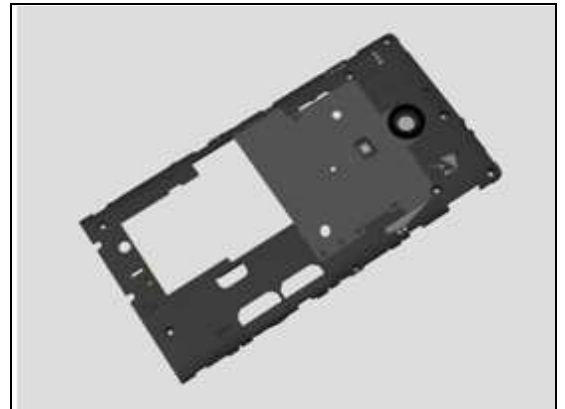
4.3 Ant Rear Cover Assy (M35t Specific)

Follow the 3.1 – 3.2 Disassembly instructions!

Prepare a new Ant Rear Cover Assy.

Follow the 4.14, 4.21 and 4.29 Installation instructions!

Follow the 5.4 – 5.5 Reassembly instructions!



4.4 Carrier LCD Frame Assy (C5303/C5302/C5306/M35h Specific)

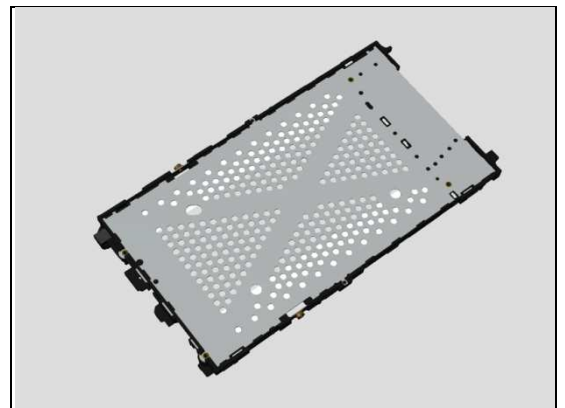
Follow the 3.1 – 3.5 Disassembly instructions!

Follow the 4.15 and 4.22 Removal instructions!

Prepare a new Carrier LCD Frame Assy.

Follow the 4.15, 4.16, 4.22, 4.42 and 4.45 Installation instructions!

Follow the 5.1 – 5.5 Reassembly instructions!



Replacement

4.5 Carrier LCD Frame Assy (M35c/M35t Specific)

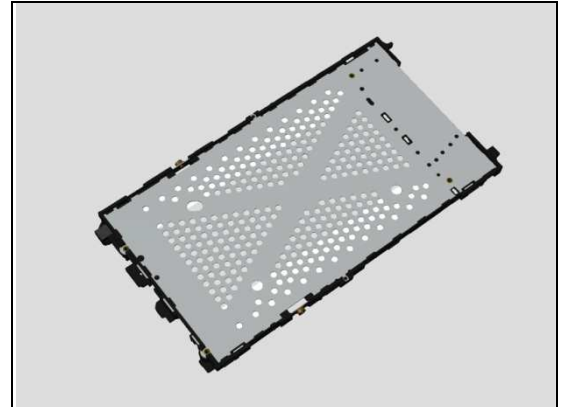
Follow the 3.1 – 3.5 Disassembly instructions!

Follow the 4.15 and 4.22 Removal instructions!

Prepare a new Carrier LCD Frame Assy.

Follow the 4.15, 4.17, 4.22, 4.42 and 4.45 Installation instructions!

Follow the 5.1 – 5.5 Reassembly instructions!



4.6 Cover Battery Assy

Follow the 3.1 Disassembly instructions!

Prepare a new Cover Battery Assy.

Follow the 5.5 Reassembly instructions!



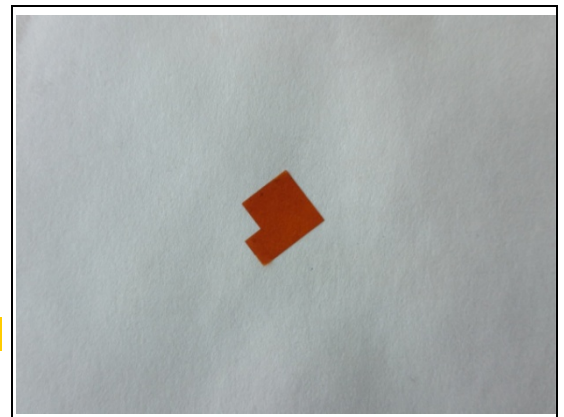
4.7 Foil Adhesive Audio Jack FPC Connector

Follow the 3.1 – 3.2 Disassembly instructions!

Prepare a new Foil Adhesive Audio Jack FPC Connector.

Follow the 5.4 – 5.5 Reassembly instructions!

Scrap! Not to be reused!



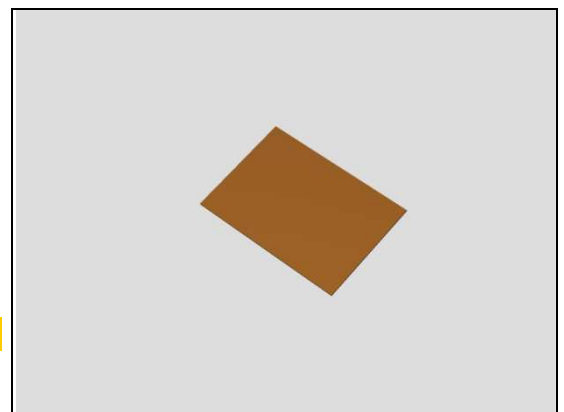
4.8 Foil Adhesive ZIF Connector

Follow the 3.1 – 3.3 Disassembly instructions!

Prepare a new Foil Adhesive ZIF Connector.

Follow the 5.3 – 5.5 Reassembly instructions!

Scrap! Not to be reused!



Replacement

4.9 Speaker Box Assy

Follow the 3.1 – 3.4 Disassembly instructions!

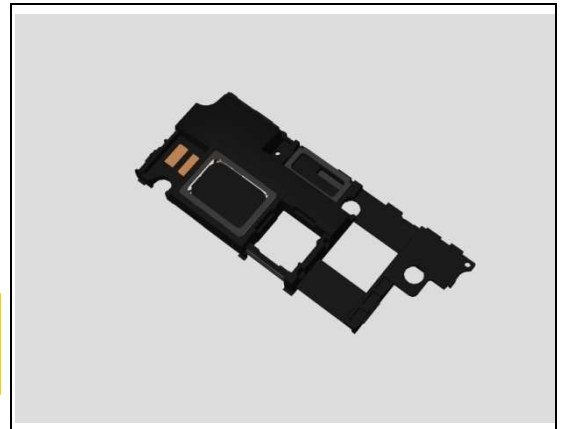
Follow the 4.23, 4.37 and 4.40 Removal instructions!

Prepare a new Speaker Box Assy.

Follow the 4.20, 4.23, 4.37 and 4.40 Installation instructions!

Follow the 5.2 – 5.5 Reassembly instructions!

Proximity Sensor Calibration must be performed for all replaced units; 1262-6643 Trouble Shooting Application – mechanical.



4.10 Touch Front Cover Assy

Follow the 3.1 – 3.5 Disassembly instructions!

Prepare a new Touch Front Cover Assy.

Follow the 4.32 and 4.33 Installation instructions!

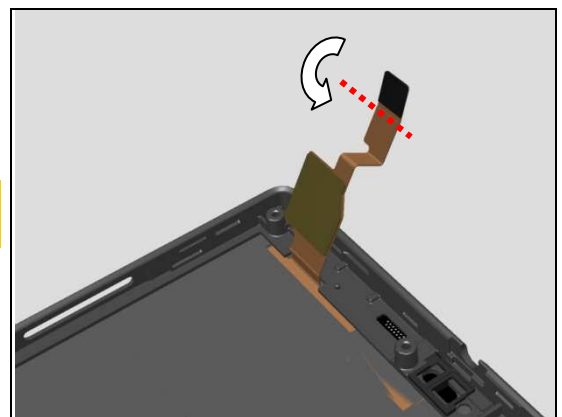
Follow the 5.1 – 5.5 Reassembly instructions!

Touch Panel Calibration must be performed for all replaced units; 1257-2706 Trouble Shooting Application – mechanical.

Proximity Sensor Calibration must be performed for all replaced units; 1262-6643 Trouble Shooting Application – mechanical.



Fold the Touch Panel BtB connector FPC as shown in picture when a new Touch Front Cover Assy is used.



Replacement

4.11 2nd MIC Mesh

Follow the 3.1 – 3.2 Disassembly instructions!

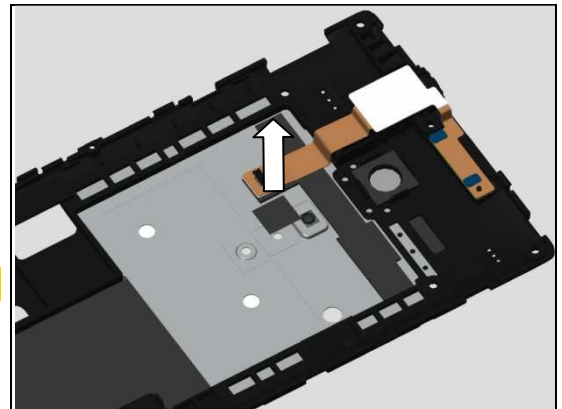
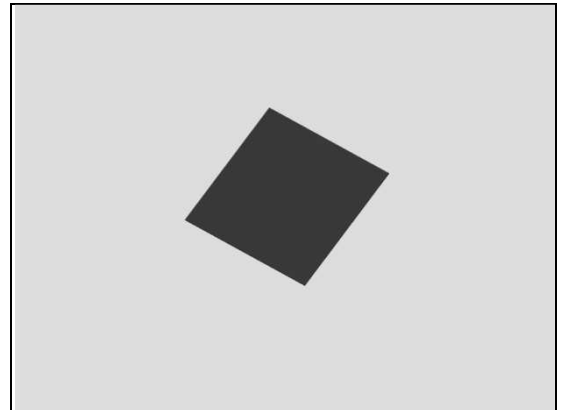
Prepare a new 2nd MIC Mesh.

Follow the 5.4 – 5.5 Reassembly instructions!

REMOVAL

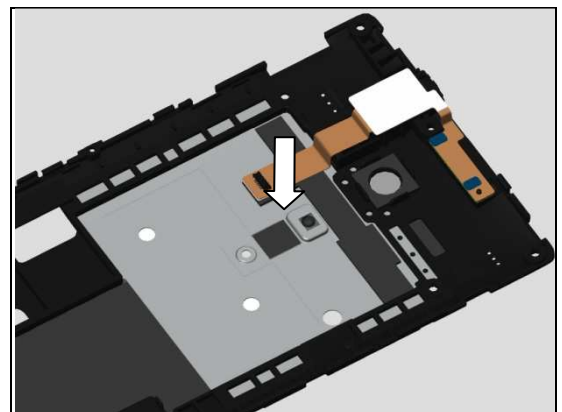
Detach the 2nd MIC Mesh and remove it with the Flex Film Assembly Tool.

Scrap! Not to be reused!



INSTALLATION

Attach a new 2nd MIC Mesh aligning with the guiding square on the Ant Rear Cover Assy by using the Flex Film Assembly Tool.



Replacement

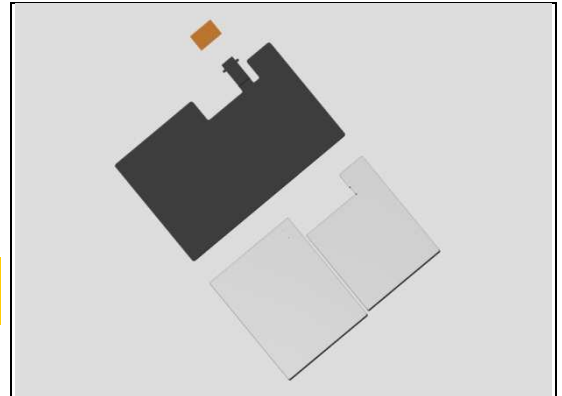
4.12 Antenna NFC Flex & Shielding Can Lid_EMMC & Shielding Can Lid_RF & Foil Adhesive ZIF Connector (C5303/C5302/C5306/M35h Specific)

Follow the 3.1 – 3.2 Disassembly instructions!

Prepare a new Antenna NFC Flex, Shielding Can Lid_EMMC, Shielding Can Lid_RF and Foil Adhesive ZIF Connector.

Follow the 5.4 – 5.5 Reassembly instructions!

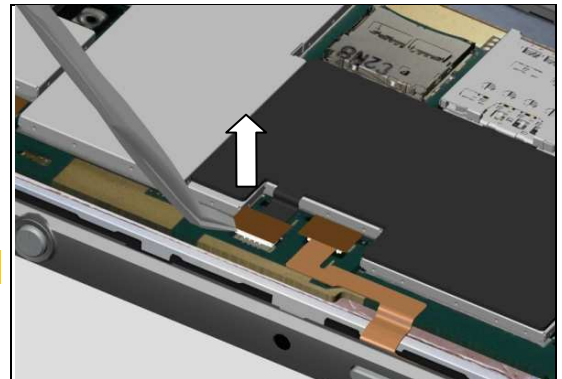
Be careful! Disconnect the Battery Assy FPC BtB connector to cut off power supply when replacing.



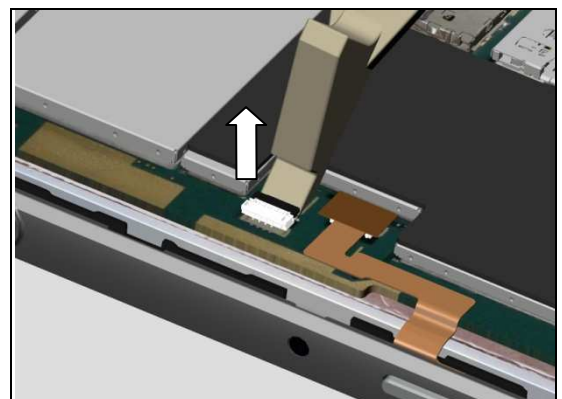
REMOVAL

Detach the Foil Adhesive ZIF Connector by using the Flex Film Assembly Tool and remove it.

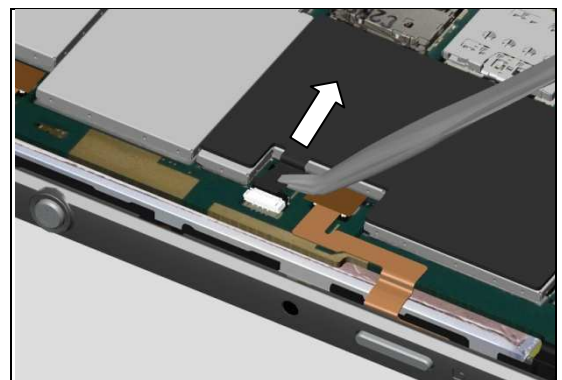
Scrap! Not to be reused!



Unlock the ZIF connector by using the Front Opening Tool.



Release the Antenna NFC Flex FPC by using the Flex Film Assembly Tool.

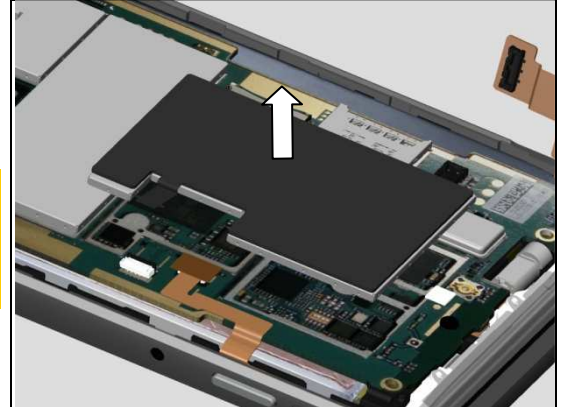


Replacement: Antenna NFC Flex & Shielding Can Lid_EMMC & Shielding Can Lid_RF & Foil Adhesive ZIF Connector (C5303/C5302/C5306/M35h Specific)

Release the Antenna NFC Flex together with the Shielding Can Lid_RF and Shielding Can Lid_EMMC.

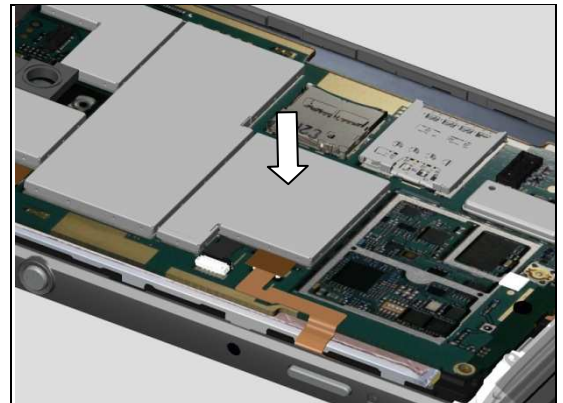
Scrap the Antenna NFC Flex, the Shielding Can Lid_RF and Shielding Can Lid_EMMC! Not to be reused.

Be careful! Do not damage the components on the Main PBA when releasing the shielding can lids.

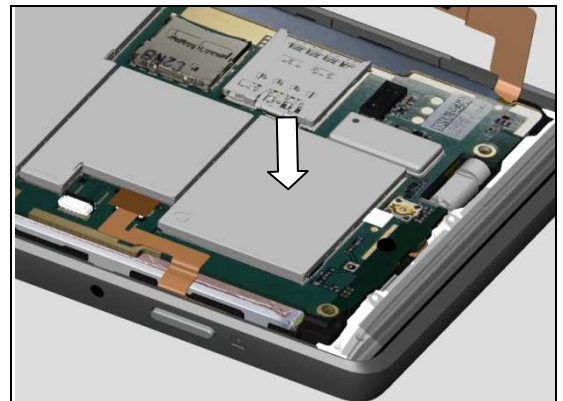


INSTALLATION

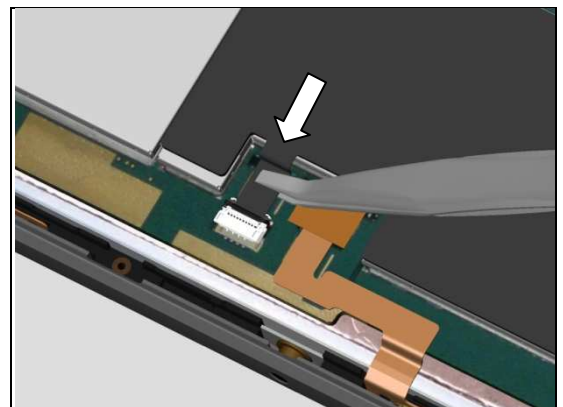
Mount a new Shielding Can Lid_EMMC on top of the Shield Fence and press gently until it is securely attached.



Mount a new Shielding Can Lid_RF on top of the Shield Fence and press gently until it is securely attached.

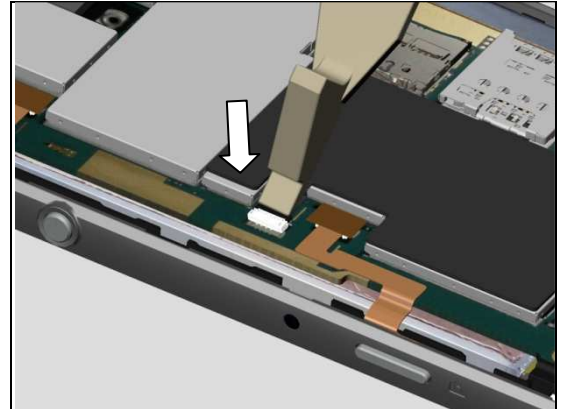


Gently insert the Antenna NFC Flex FPC into the ZIF connector by using the Flex Film Assembly Tool.

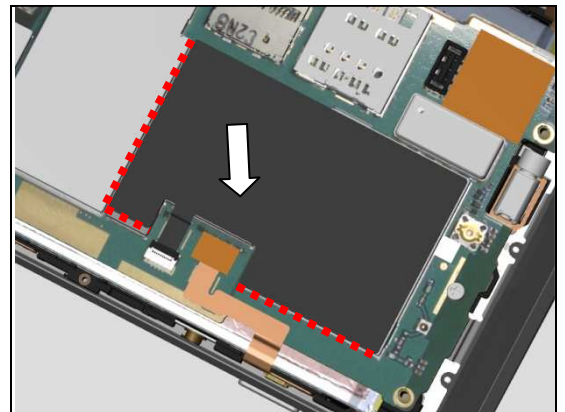


Replacement: Antenna NFC Flex & Shielding Can Lid_EMMC & Shielding Can Lid_RF & Foil Adhesive ZIF Connector (C5303/C5302/C5306/M35h Specific)

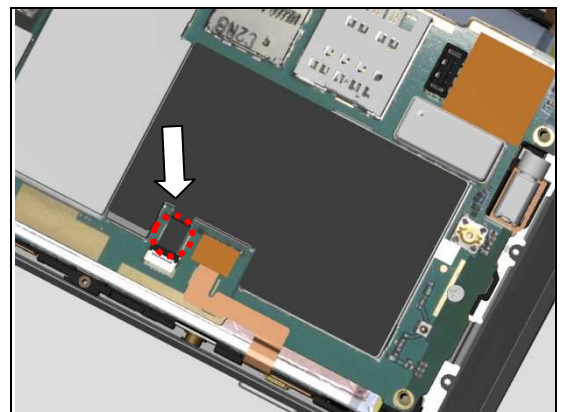
Lock the ZIF connector by using the Front Opening Tool.



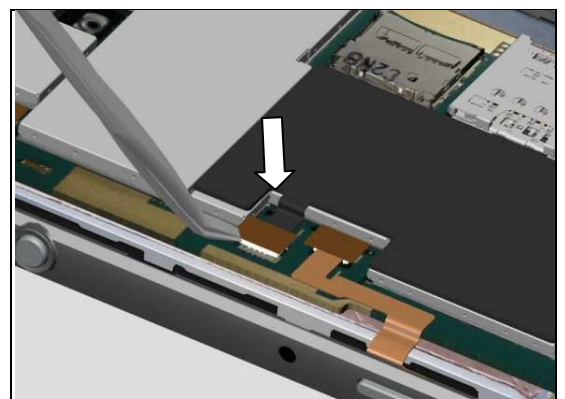
Attach the new Antenna NFC Flex in its proper position as shown in picture and press to make it securely attached.



Gently press the FPC as shown in picture by using the Flex Film Assembly Tool.



Attach a new Foil Adhesive ZIF Connector on the ZIF connector.



Replacement

4.13 Antenna NFC Flex & Shielding Can Lid_DBB & Shielding Can Lid_DBB_ABB & Shielding Can Lid_RF & Foil Adhesive ZIF Connector (M35c/M35t Specific)

Follow the 3.1 – 3.2 Disassembly instructions!

Prepare a new Antenna NFC Flex, Shielding Can Lid_DBB, Shielding Can Lid_DBB_ABB, Shielding Can Lid_RF and Foil Adhesive ZIF Connector.

Follow the 5.4 – 5.5 Reassembly instructions!

Be careful! Disconnect the Battery Assy FPC BtB connector to cut off power supply when replacing.

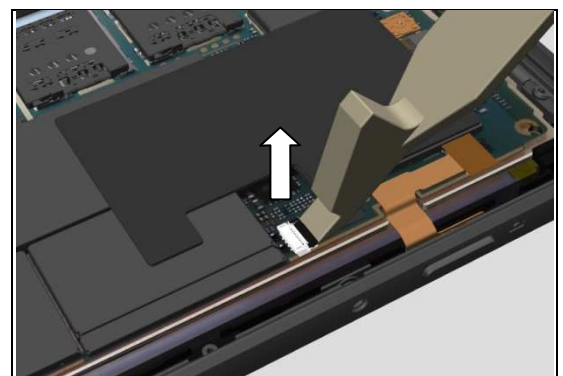
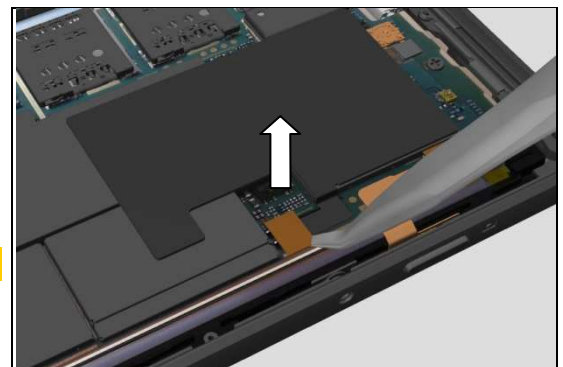
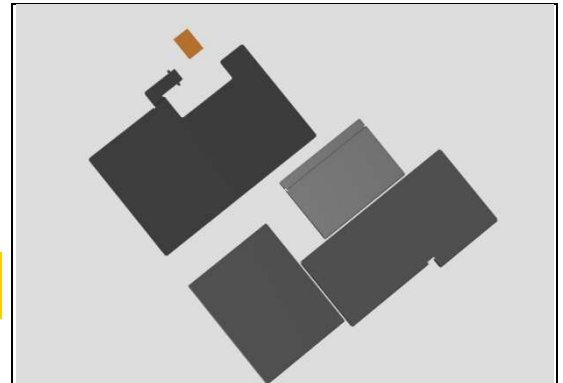
REMOVAL

Detach the Foil Adhesive ZIF Connector by using the Flex Film Assembly Tool and remove it.

Scrap! Not to be reused!

Unlock the ZIF connector by using the Front Opening Tool.

Release the Antenna NFC Flex FPC by using the Flex Film Assembly Tool.

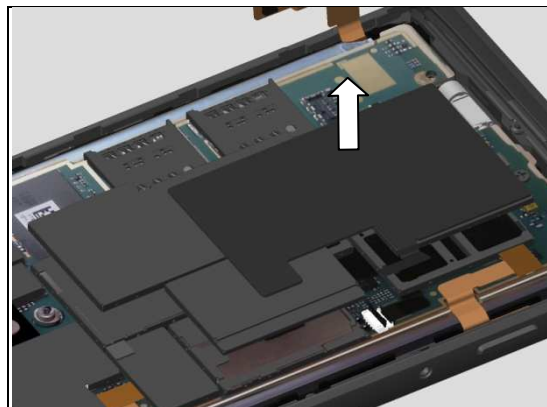


Replacement: Antenna NFC Flex & Shielding Can Lid_DBB & Shielding Can Lid_DBB_ABB & Shielding Can Lid_RF & Foil Adhesive ZIF Connector (M35c/M35t Specific)

Release the Antenna NFC Flex together with the Shielding Can Lid_DBB, Shielding Can Lid_DBB_ABB and Shielding Can Lid_RF.

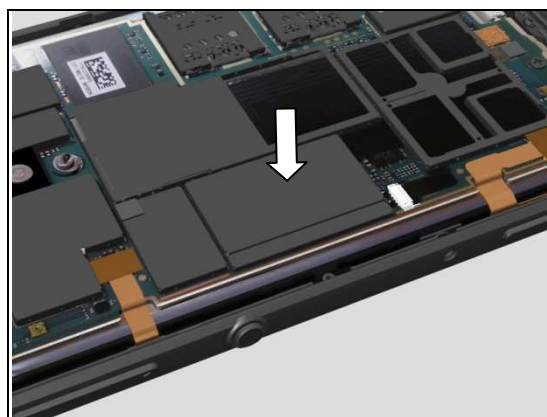
Scrap the Antenna NFC Flex, the Shielding Can Lid_DBB, Shielding Can Lid_DBB_ABB and Shielding Can Lid_RF! Not to be reused.

Be careful! Do not damage the components on the Main PBA when releasing the shielding can lids.

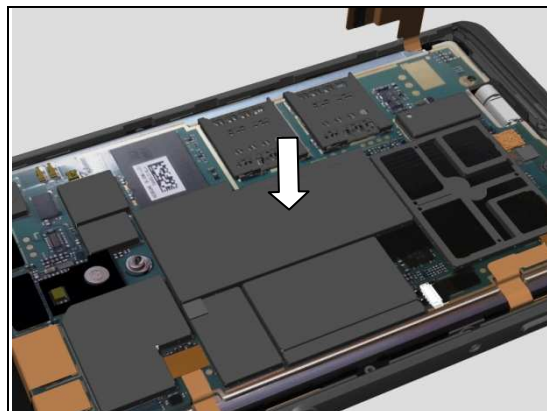


INSTALLATION

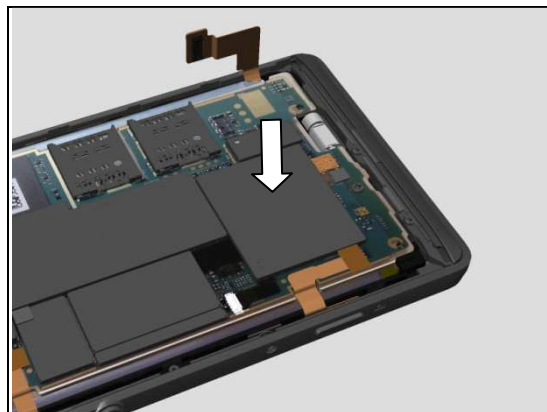
Mount a new Shielding Can Lid_DBB on top of the Shield Fence and press gently until it is securely attached.



Mount a new Shielding Can Lid_DBB_ABB on top of the Shield Fence and press gently until it is securely attached.

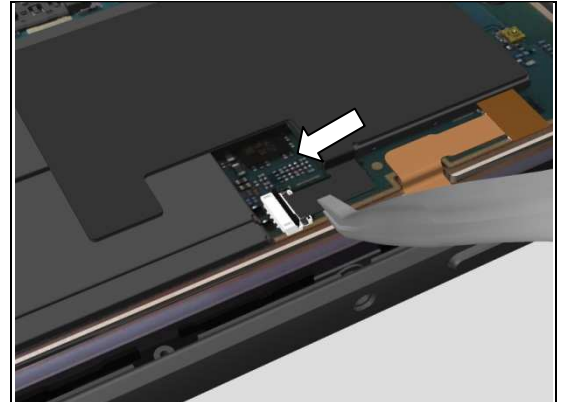


Mount a new Shielding Can Lid_RF on top of the Shield Fence and press gently until it is securely attached.

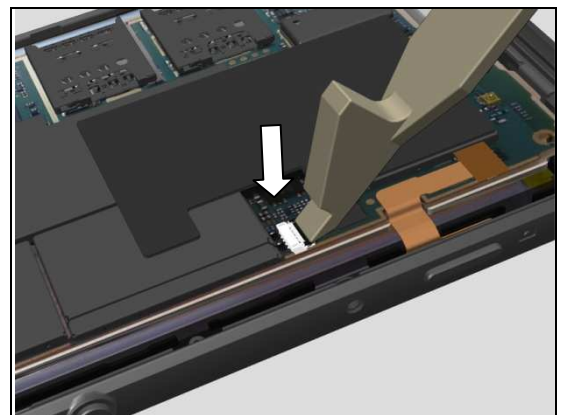


Replacement: Antenna NFC Flex & Shielding Can Lid_DBB & Shielding Can Lid_DBB_ABB & Shielding Can Lid_RF & Foil Adhesive ZIF Connector (M35c/M35t Specific)

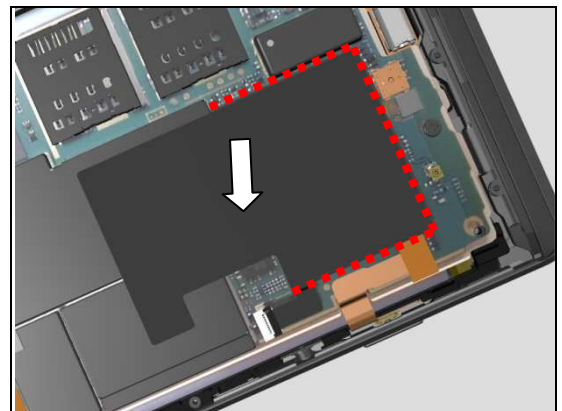
Gently insert the Antenna NFC Flex FPC into the ZIF connector by using the Flex Film Assembly Tool.



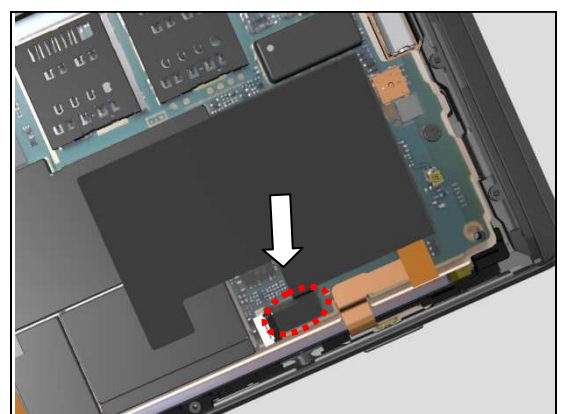
Lock the ZIF connector by using the Front Opening Tool.



Attach the new Antenna NFC Flex in its proper position as shown in picture and press to make it securely attached.

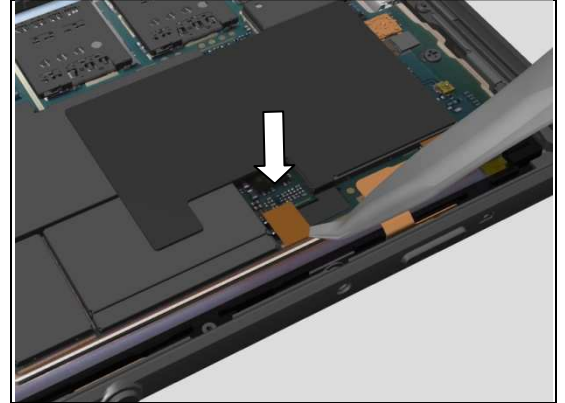


Gently press the FPC as shown in picture by using the Flex Film Assembly Tool.



Replacement: Antenna NFC Flex & Shielding Can Lid_DBB & Shielding Can Lid_DBB_ABB & Shielding Can Lid_RF & Foil Adhesive ZIF Connector (M35c/M35t Specific)

Attach a new Foil Adhesive ZIF Connector on the ZIF connector.



Replacement

4.14 Audio Jack FPC Assy & Foil Adhesive Audio Jack

Follow the 3.1 – 3.2 Disassembly instructions!

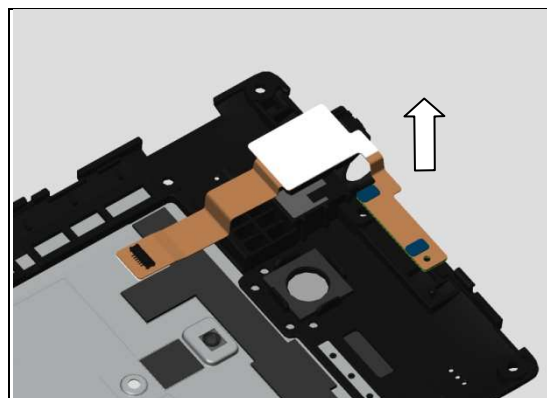
Prepare a new Audio Jack FPC Assy and Foil Adhesive Audio Jack.

Follow the 5.4 – 5.5 Reassembly instructions!

REMOVAL

Detach the Audio Jack FPC Assy by using a pair of Plastic Tweezers.

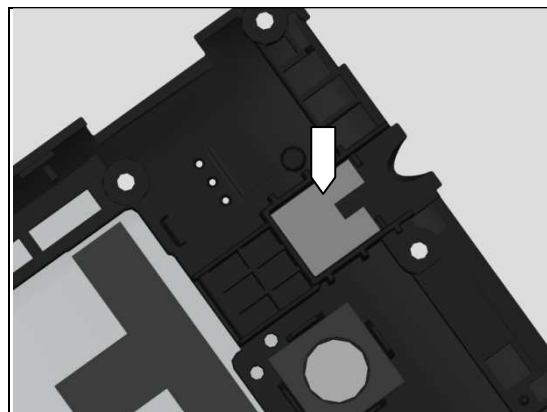
Scrap! Not to be reused!



Remove the Foil Adhesive Audio Jack and its remaining adhesive residue by using a pair of Plastic Tweezers.

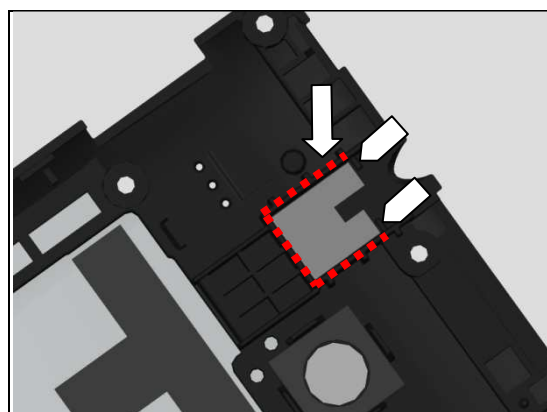
Scrap! Not to be reused!

Make sure all remaining adhesive residue have been removed!



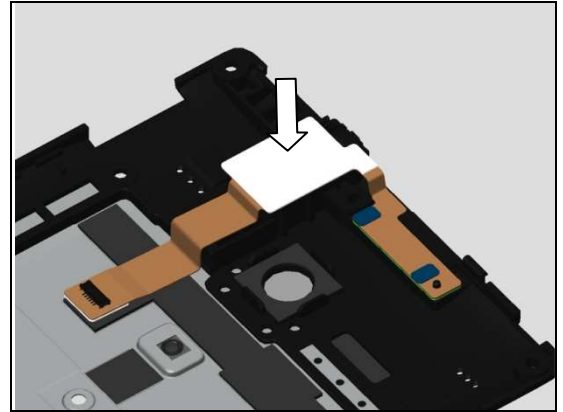
INSTALLATION

Attach a new Foil Adhesive Audio Jack by aligning the socket and ribs as shown in picture.

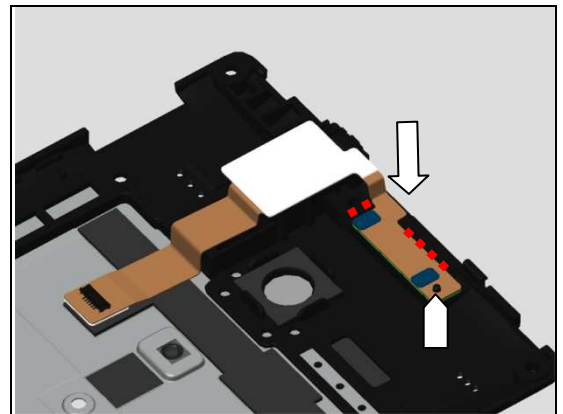


Replacement: Audio Jack FPC Assy & Foil Adhesive Audio Jack

Prepare a new Audio Jack FPC Assy.
Mount the Audio Jack into its socket and press to attach it.



Mount FPC part aligning it with the guiding pin and ribs on the Ant Rear Cover Assy as shown in picture.



Replacement

4.15 Battery Assy

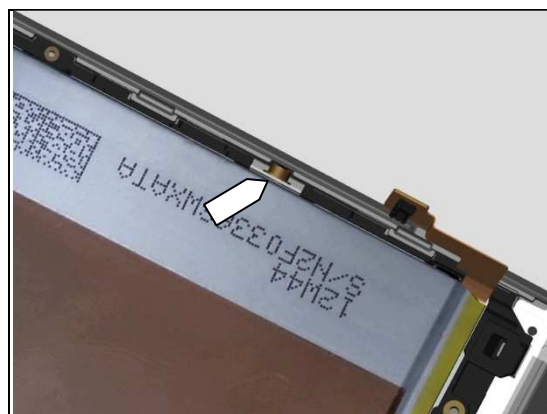
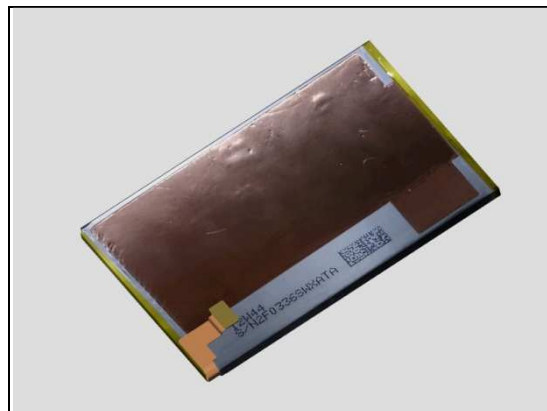
Follow the 3.1 – 3.3 Disassembly instructions!

Prepare a new Battery Assy.

Follow the 5.3 – 5.5 Reassembly instructions!

REMOVAL

Identify the release position as shown in picture.



Gently insert the Guitar Pick into the gap between the Battery Assy and cosmetic screw metal frame as shown in picture.

Be careful! Do not damage the Battery Assy.

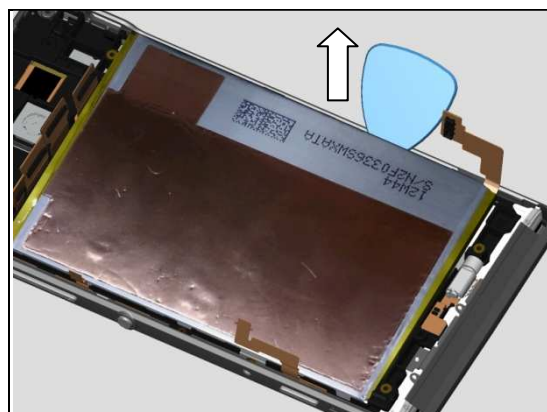


Gently release the Battery Assy from its cavity and remove it.

Be careful! Do not damage the Battery Assy.

Scrap the Battery Assy in case it is damaged and deformed.

Scrap the Battery Assy in case its protected foil is damaged or has bubbles.



Replacement: Battery Assy

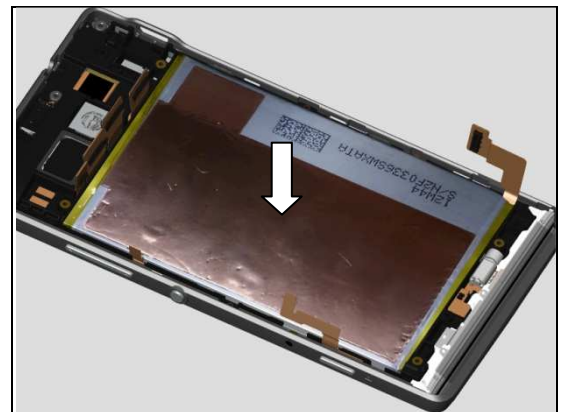
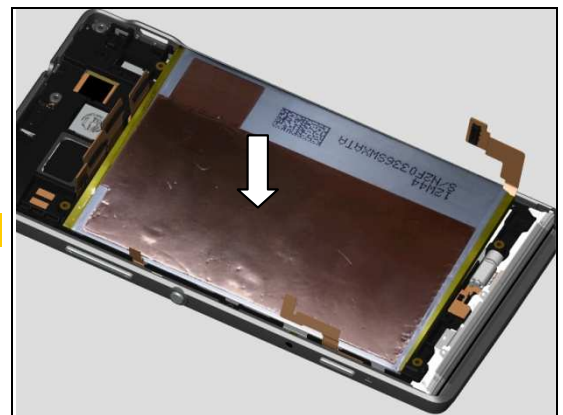
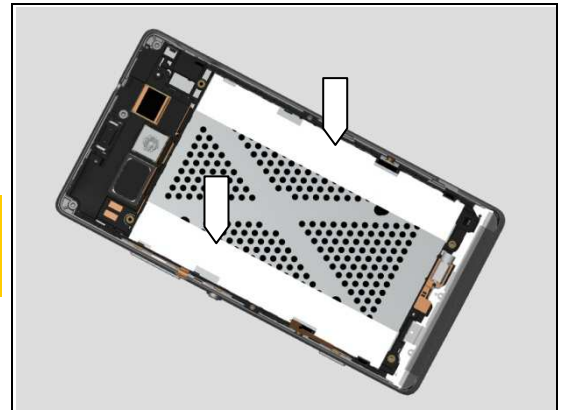
INSTALLATION

Follow the 4.25 Removal and Installation instructions to replace the new Foil Adhesive Battery due to adhesive bonding strength is lost from disassembly!

Place a new Battery Assy into its cavity.

Make sure all the FPCs are not under the Battery Assy!

Press to secure its attachment.



Replacement

4.16 Camera Key FPC Assy (C5303/C5302/C5306/M35h Specific)

Follow the 3.1 – 3.5 Disassembly instructions!

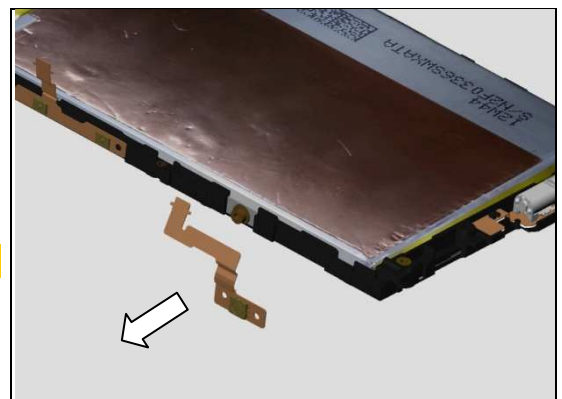
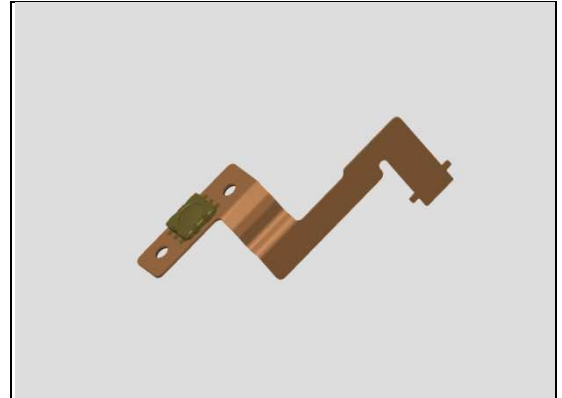
Prepare a new Camera Key FPC Assy.

Follow the 5.1 – 5.5 Reassembly instructions!

REMOVAL

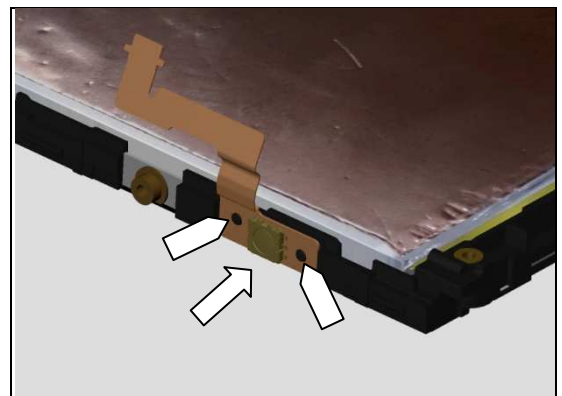
Detach the Camera Key FPC Assy by using a pair of Plastic Tweezers.

Scrap! Not to be reused!



INSTALLATION

Attach a new Camera Key FPC Assy by aligning with the two guiding pins on the Carrier LCD Frame Assy as shown in picture.



Replacement

4.17 Camera Key FPC Assy (M35c/M35t Specific)

Follow the 3.1 – 3.5 Disassembly instructions!

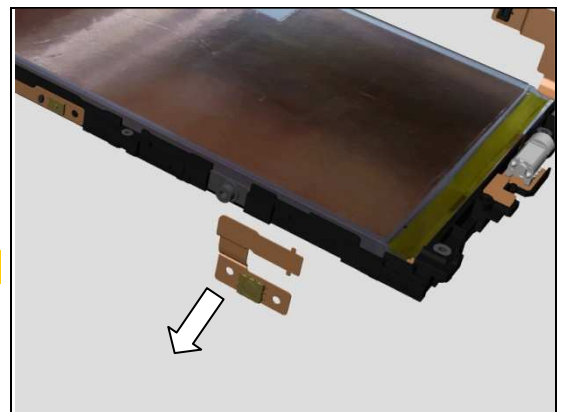
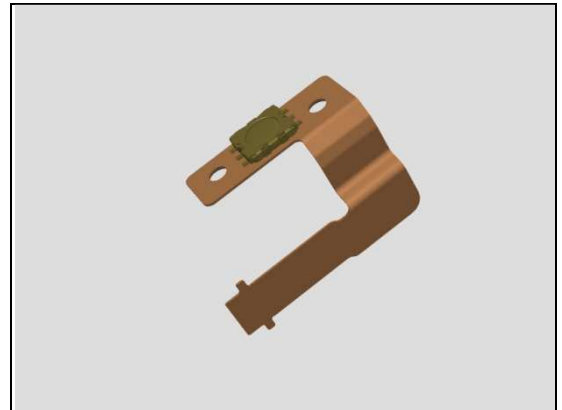
Prepare a new Camera Key FPC Assy.

Follow the 5.1 – 5.5 Reassembly instructions!

REMOVAL

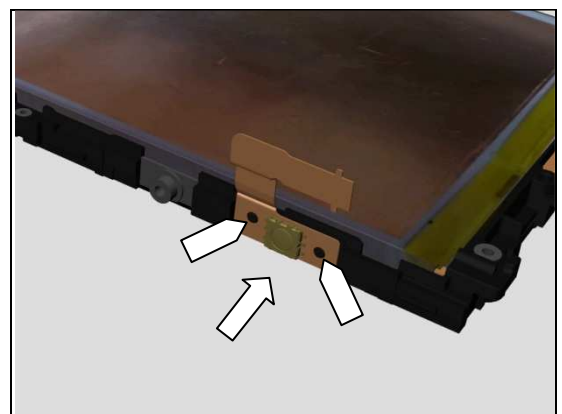
Detach the Camera Key FPC Assy by using a pair of Plastic Tweezers.

Scrap! Not to be reused!



INSTALLATION

Attach a new Camera Key FPC Assy by aligning with the two guiding pins on the Carrier LCD Frame Assy as shown in picture.



Replacement

4.18 Camera Ring

Follow the 3.1 – 3.2 Disassembly instructions!

Follow the 4.46 Removal instructions!

Prepare a new Camera Ring.

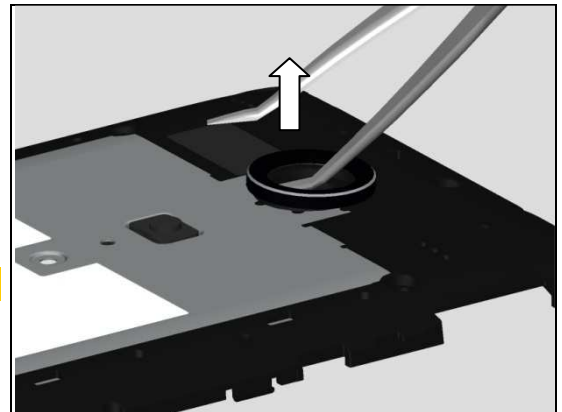
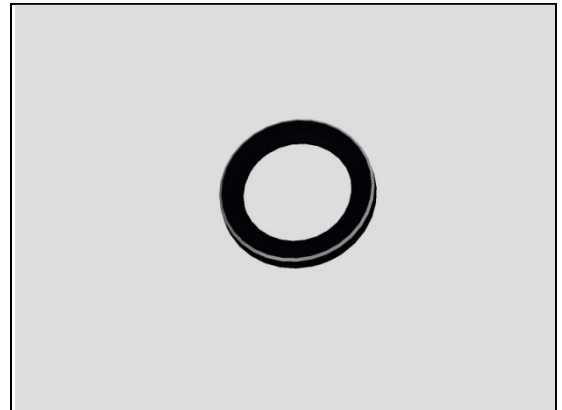
Follow the 4.46 Installation instructions!

Follow the 5.4 – 5.5 Reassembly instructions!

REMOVAL

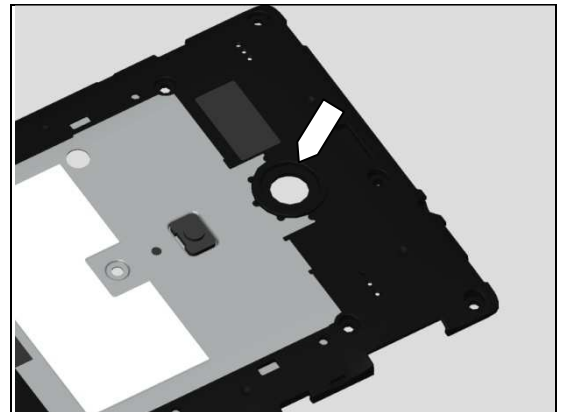
Gently detach the Camera Ring by using the Flex Film Assembly Tool as shown in picture.

Scrap! Not to be reused.

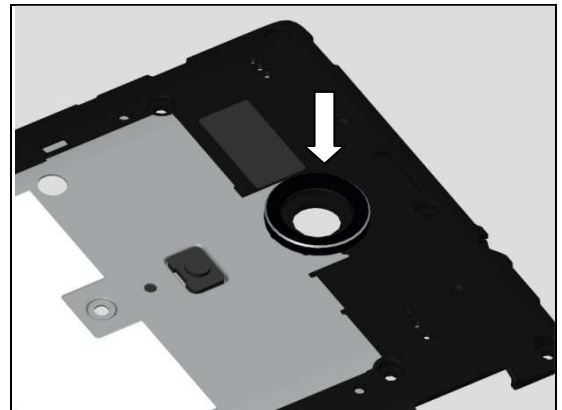


INSTALLATION

Clean the remaining adhesive residue before installation.



Mount a new Camera Ring onto its proper position as shown in picture and press to attach it.



Replacement

4.19 Cap Rubber 2nd MIC

Follow the 3.1 – 3.2 Disassembly instructions!

Prepare a new Cap Rubber 2nd MIC.

Follow the 5.4 – 5.5 Reassembly instructions!

Be careful! Disconnect the Battery Assy FPC BtB connector to cut off power supply when replacing.

REMOVAL

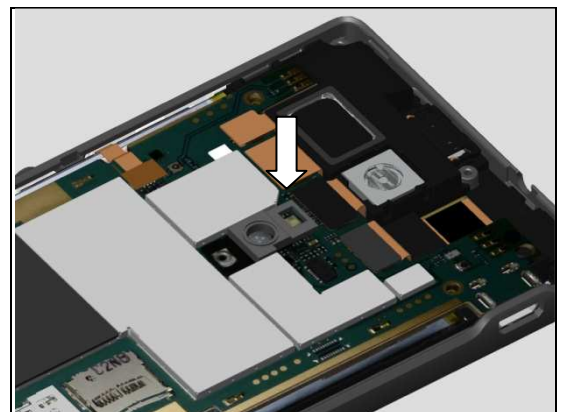
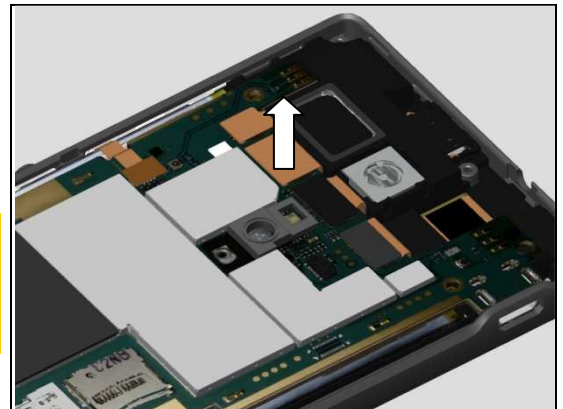
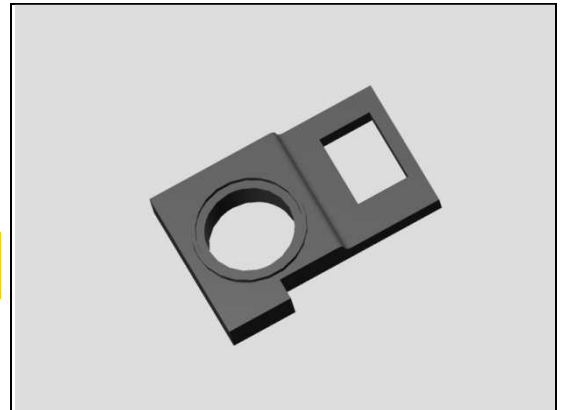
Gently detach the Cap Rubber 2nd MIC by a pair of Plastic Tweezers.

Be careful! Do not damage the components on the main PBA.

Replace a new one due to adhesive bonding strength is lost from disassembly!

INSTALLATION

Attach a new Cap Rubber 2nd MIC by aligning with 2nd MIC and shielding can lids on the main PBA as shown in picture.



Replacement

4.20 Chat Camera FPC Assy & Foil Adhesive Chat Camera FPC & Gasket Conductive

Follow the 3.1 – 3.4 Disassembly instructions!

Follow the 4.37 and 4.40 Removal instructions!

Prepare a new Chat Camera FPC Assy, Foil Adhesive Chat Camera FPC and Gasket Conductive.

Follow the 4.37 and 4.40 Installation instructions!

Follow the 5.2 – 5.5 Reassembly instructions!

Proximity Sensor Calibration must be performed for all replaced units; 1262-6643 Trouble Shooting Application – mechanical.

REMOVAL

Detach the Chat Camera FPC Assy and Gasket Conductive as shown in picture by using the Plastic Tweezers.

Scrap the Chat Camera FPC Assy and Gasket Conductive! Not to be reused!

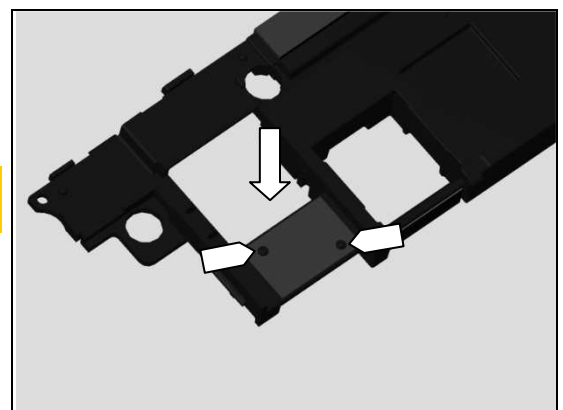
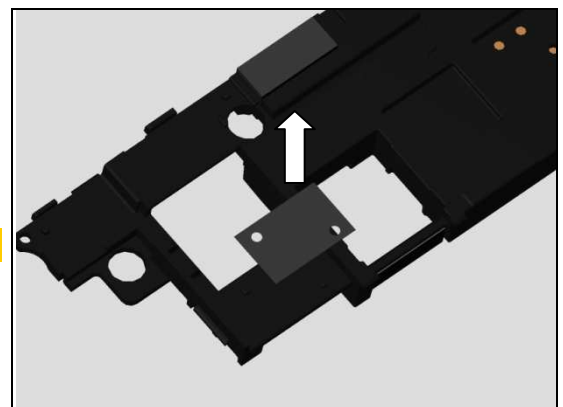
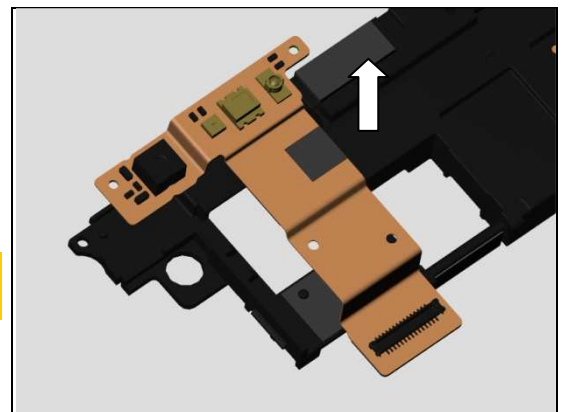
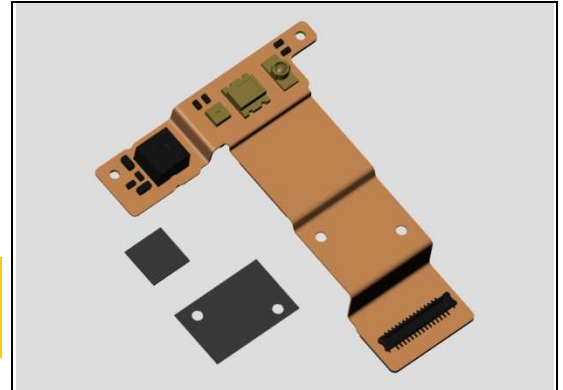
Detach the Foil Adhesive Chat Camera FPC as shown in picture by using the Plastic Tweezers.

Scrap! Not to be reused!

INSTALLATION

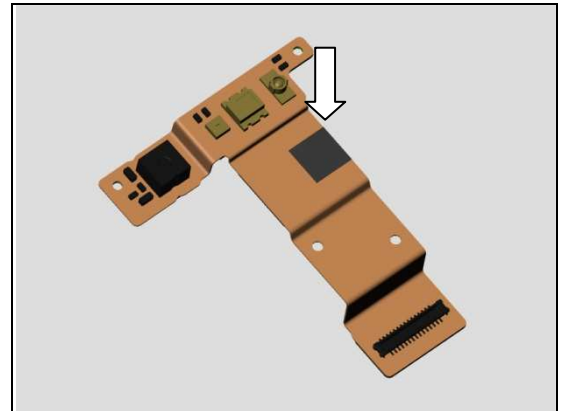
Clean the remaining adhesive residue before installation.

Attach a new Foil Adhesive Chat Camera FPC by aligning with the guiding pins on the Speaker Box Assy as shown in picture.

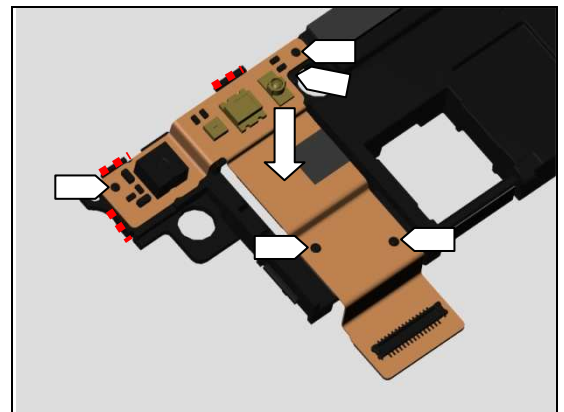


Replacement: Chat Camera FPC Assy & Foil Adhesive Chat Camera FPC & Gasket Conductive

Attach a new Gasket Conductive by aligning with the guiding square on a new Chat Camera FPC Assy as shown in picture.



Attach the new Chat Camera FPC Assy by aligning with the guiding pins and ribs on the Speaker Box Assy as shown in picture.



Replacement

4.21 Core Unit Label

Follow the 3.1 Disassembly instructions!

Prepare a new Core Unit Label.

Follow the 5.5 Reassembly instructions!

REMOVAL

Read the old Core Unit Label and/or write the information into the 'Label Print Solution' program before removal.

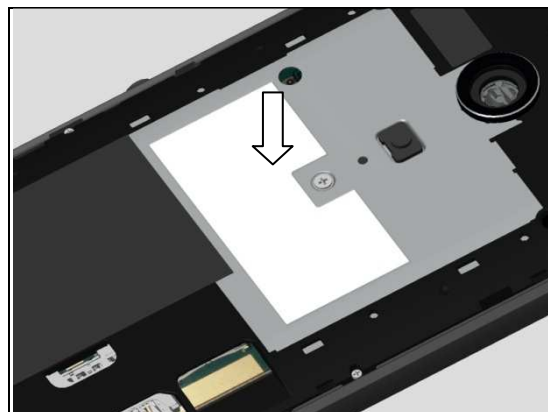
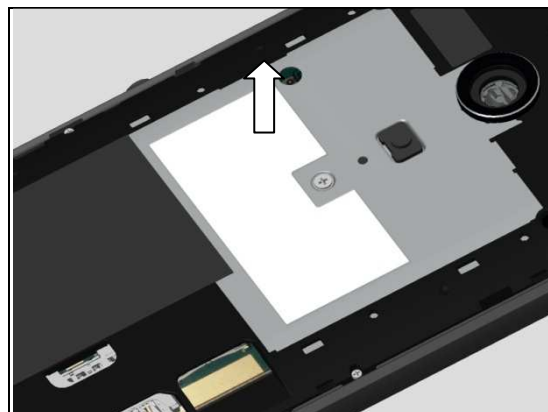
Carefully remove the Core Unit Label by using the Flex Film Assembly Tool.

Scrap! Not to be reused!

INSTALLATION

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

Attach a new Core Unit Label by aligning with the guide lines on the Ant Rear Cover Assy.



Replacement

4.22 Display & Foil Adhesive Conductive LCD FPC & Foil Adhesive LCD FPC

Follow the 3.1 – 3.5 Disassembly instructions!

Prepare a new Display, Foil Adhesive Conductive LCD FPC and Foil Adhesive LCD FPC.

Follow the 5.1 – 5.5 Reassembly instructions!

Touch Panel Calibration must be performed for all replaced units; 1257-2706 Trouble Shooting Application – mechanical.

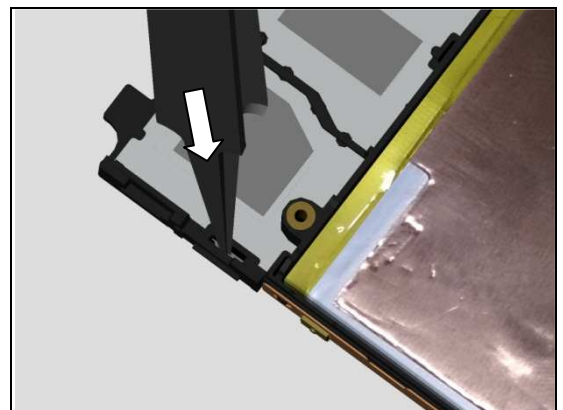
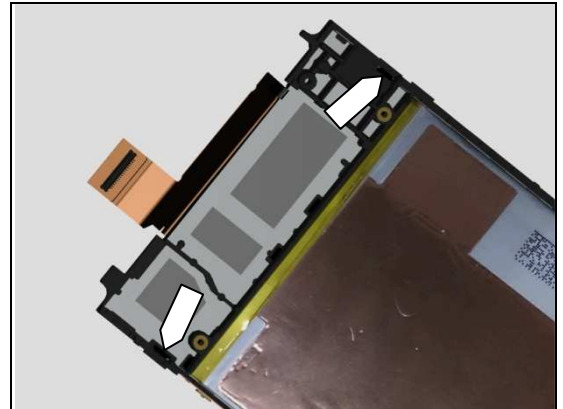
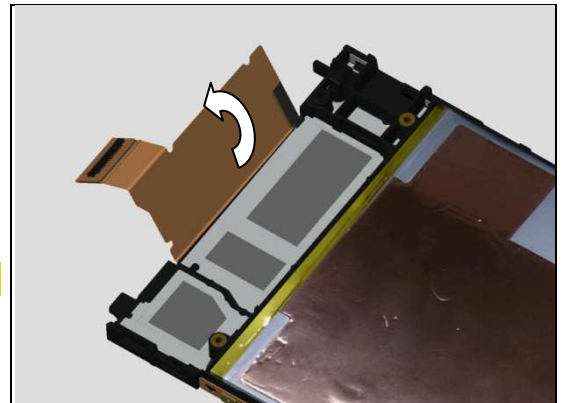
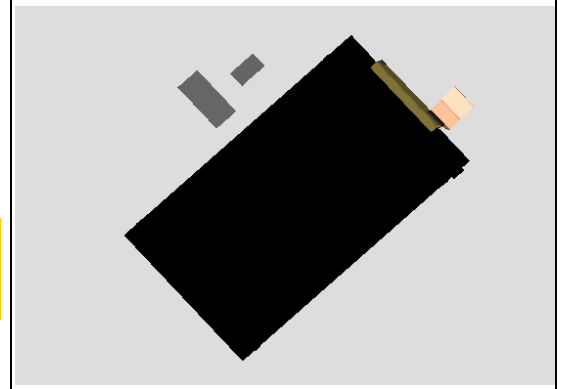
REMOVAL

Gently detach the Display FPC by fingers and lift it up as shown in picture.

Be careful! Do not damage the Display FPC.

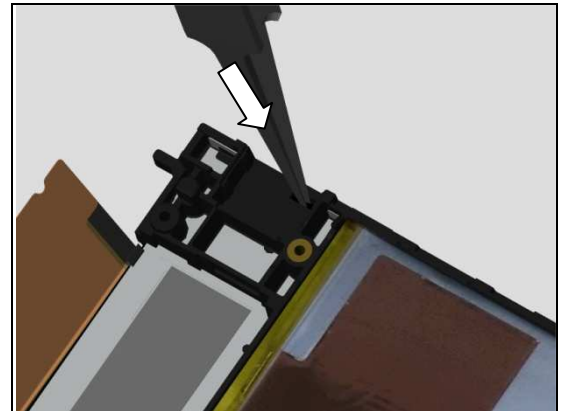
Identify the two release positions as shown in picture.

Gently push through the hole by using the Pointed-tip Tweezers as shown in picture to release the hook of the Display.



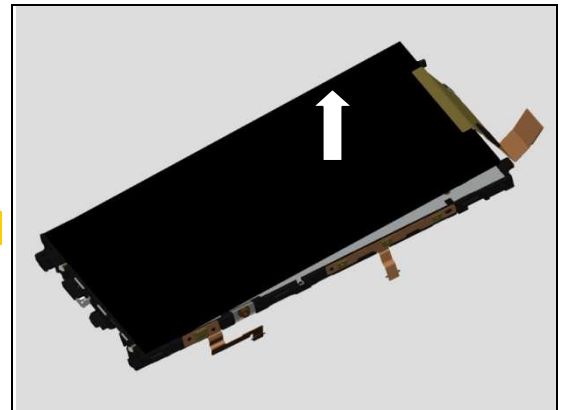
Replacement: Display & Foil Adhesive Conductive LCD FPC & Foil Adhesive LCD FPC

Do the same to release the other hook.



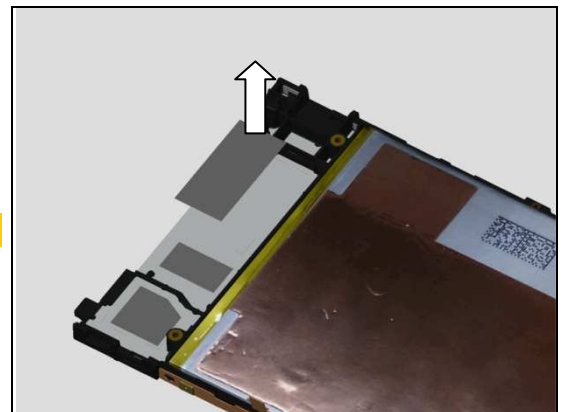
Release the Display from its cavity.

Be careful! Do not damage the Display.



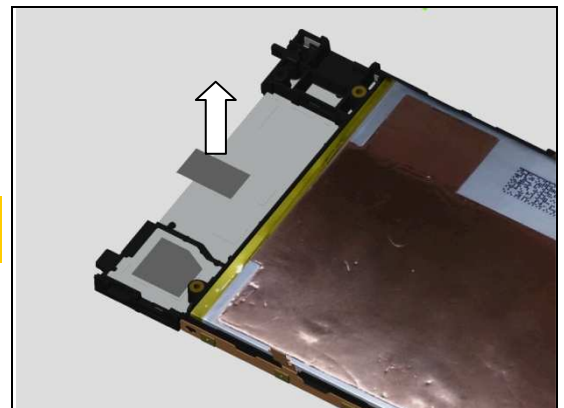
Detach the Foil Adhesive Conductive LCD FPC.

Scrap! Not to be reused!



Detach the Foil Adhesive LCD FPC.

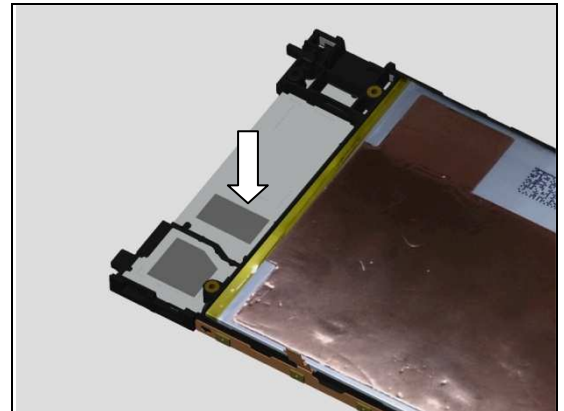
Replace a new one due to adhesive bonding strength is lost from disassembly!



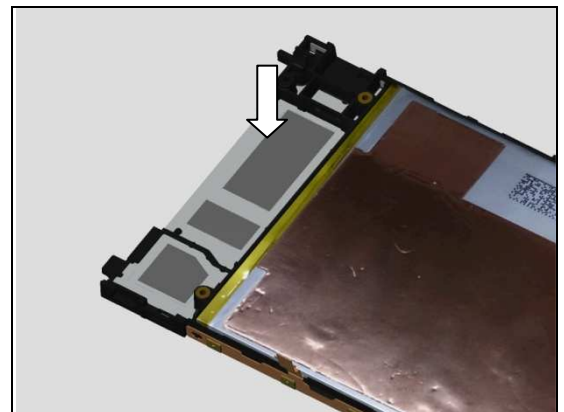
Replacement: Display & Foil Adhesive Conductive LCD FPC & Foil Adhesive LCD FPC

INSTALLATION

Attach a new Foil Adhesive LCD FPC by aligning with the guiding lines on the Carrier LCD Frame Assy.

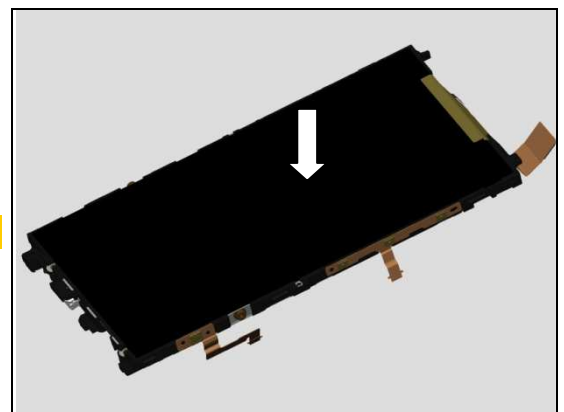


Attach a new Foil Adhesive Conductive LCD FPC by aligning with the guiding lines on the Carrier LCD Frame Assy.

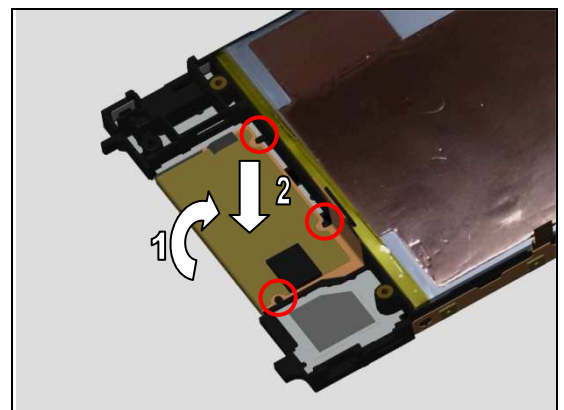


Mount the Display into its cavity and press to snap it.

Be careful! Do not damage the Display when pressing.



Turn the Display FPC (1) and press (2) to secure its attachment by aligning with the three ribs on the Carrier LCD Frame Assy as shown in picture.



Replacement

4.23 Earspeaker & Gasket Adhesive Earspeaker

Follow the 3.1 – 3.4 Disassembly instructions!

Follow the 4.37 Removal instructions!

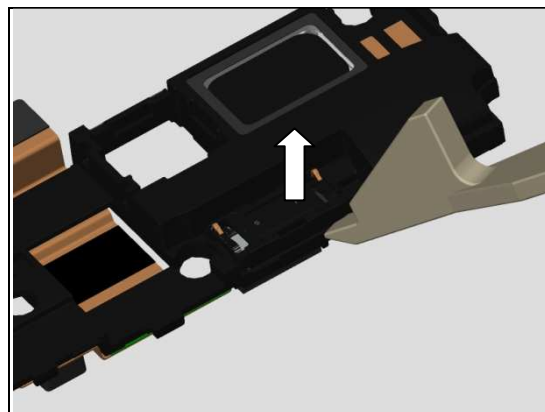
Prepare a new Earspeaker and Gasket Adhesive Earspeaker.

Follow the 4.37 Installation instructions!

Follow the 5.2 – 5.5 Reassembly instructions!

REMOVAL

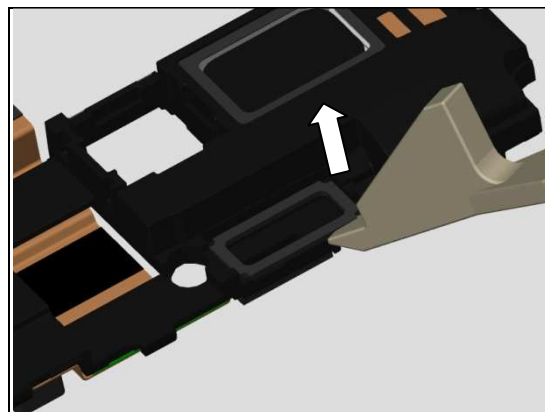
Detach to remove the Earspeaker by using the Front Opening Tool.



Detach to remove the Gasket Adhesive Earspeaker by using the Front Opening Tool.

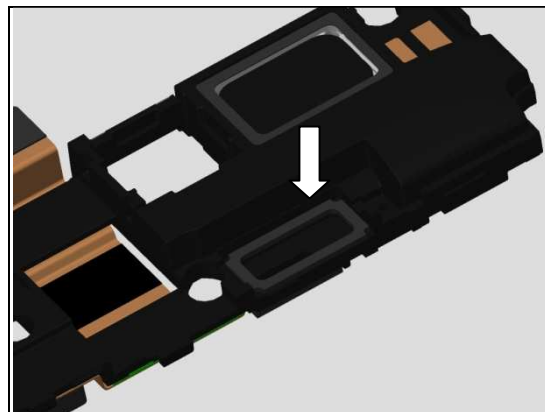
Scrap! Not to be reused!

Make sure all remaining adhesive residue have been removed!



INSTALLATION

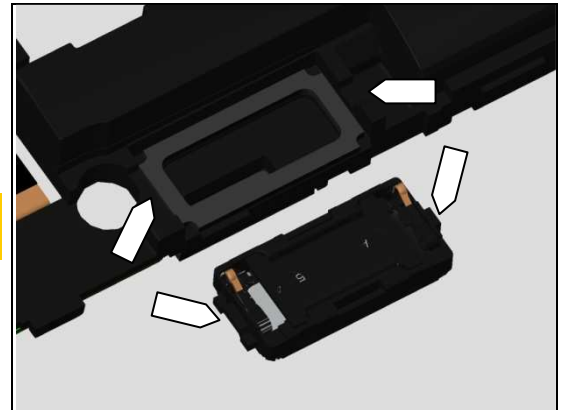
Attach a new Gasket Adhesive Earspeaker into its socket securing its position as shown in picture.



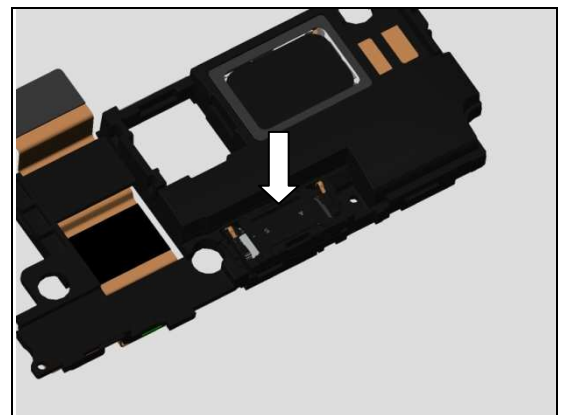
Replacement: Earspeaker & Gasket Adhesive Earspeaker

Mount a new Earspeaker into the cavity.

Note the orientation of the Earspeaker to be installed by using the guiding pins and their cavities!



Press to secure its attachment.



Replacement

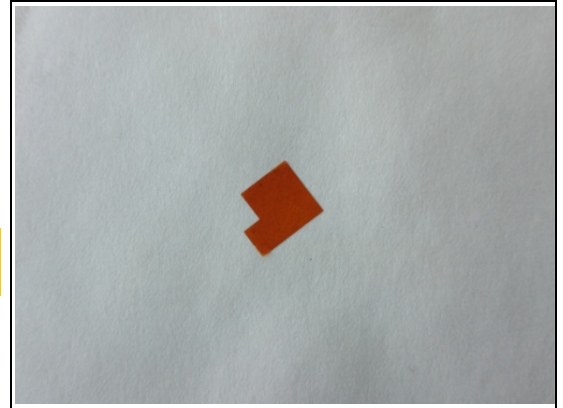
4.24 Foil Adhesive Audio Jack FPC Connector (C5303/C5302/C5306/M35h Specific, located on the Main PBA next to the Battery BtB connector)

Follow the 3.1 – 3.2 Disassembly instructions!

Prepare a new Foil Adhesive Audio Jack FPC Connector.

Follow the 5.4 – 5.5 Reassembly instructions!

Be careful! Disconnect the Battery Assy FPC BtB connector to cut off power supply when replacing.

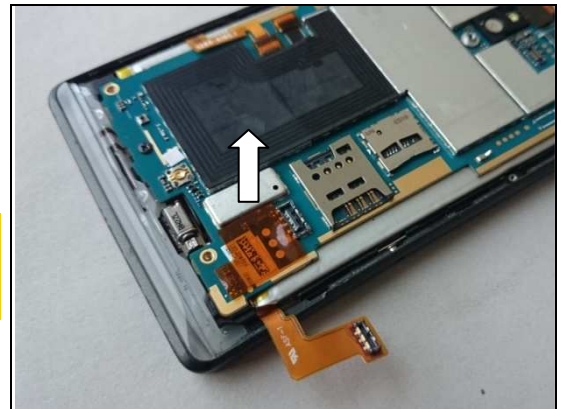


REMOVAL

Detach the Foil Adhesive Audio Jack FPC Connector.

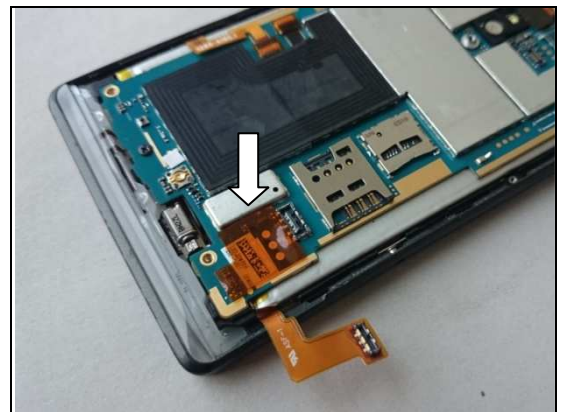
Scrap! Not to be reused!

Be careful! Do not damage the components on the Main PBA.



INSTALLATION

Attach a new Foil Adhesive Audio Jack FPC Connector aligning with shielding can lid and battery BtB connector on the Main PBA as shown in picture.



Replacement

4.25 Foil Adhesive Battery

Follow the 3.1 – 3.3 Disassembly instructions!

Follow the 4.15 Removal instructions!

Prepare a new Foil Adhesive Battery.

Follow the 4.15 Installation instructions!

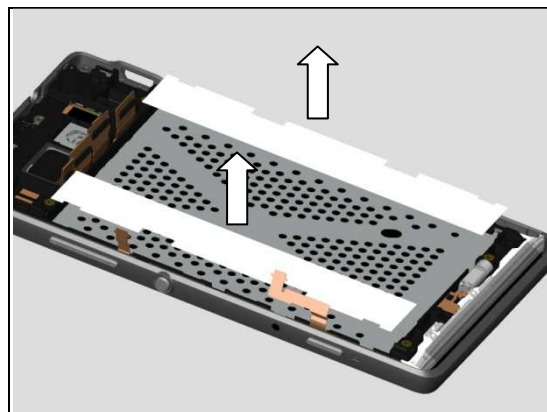
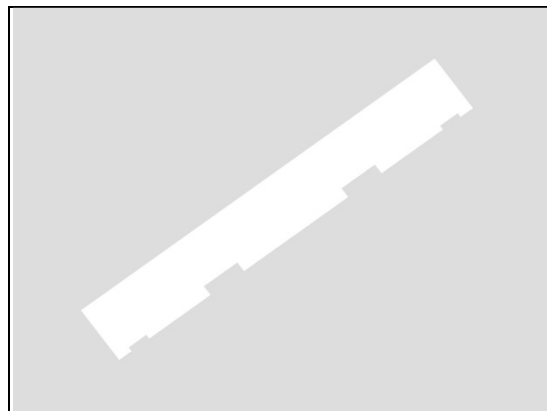
Follow the 5.3 – 5.5 Reassembly instructions!

REMOVAL

Detach the Foil Adhesive Battery by the Front Opening Tool.

Scrap! Not to be reused once disassembled!

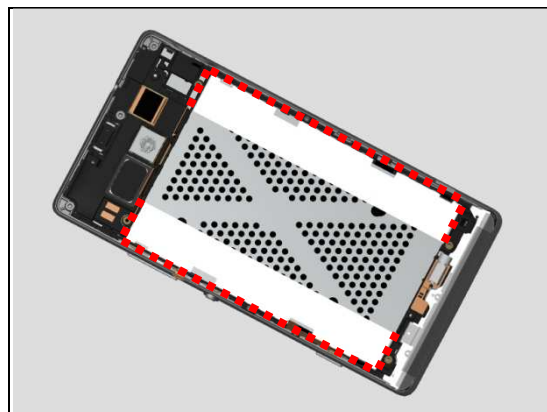
Replace a new one due to adhesive bonding strength is lost from disassembly!



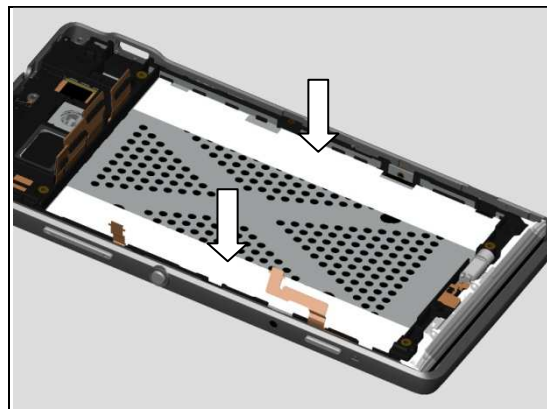
INSTALLATION

Clean the remaining adhesive residue before installation!

Attach the new Foil Adhesive Battery by aligning with the sides of the Carrier LCD Frame Assy as shown in picture.



Press to secure their attachment.



Replacement

4.26 Foil Adhesive Camera FPC

Follow the 3.1 – 3.4 Disassembly instructions!

Follow the 4.37 Removal instructions!

Prepare a new Foil Adhesive Camera FPC.

Follow the 4.37 Installation instructions!

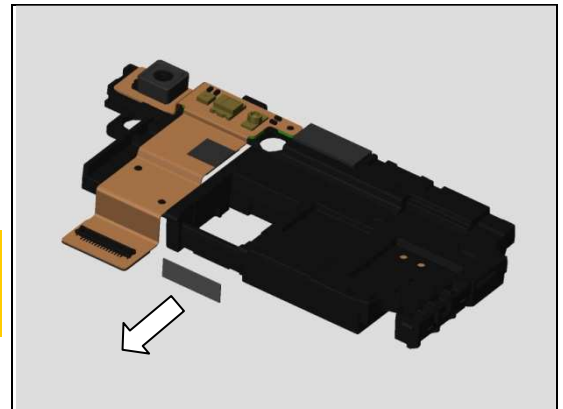
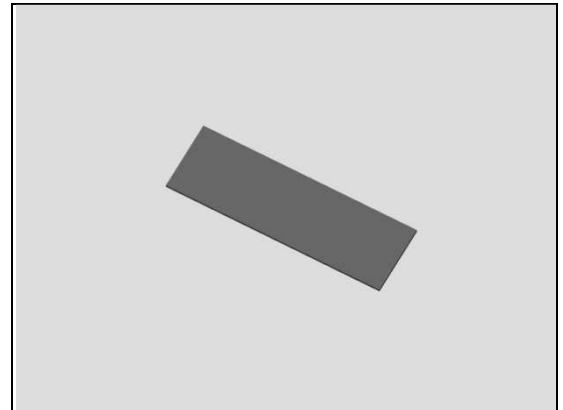
Follow the 5.2 – 5.5 Reassembly instructions!

REMOVAL

Detach the Foil Adhesive Camera FPC by a pair of Plastic Tweezers.

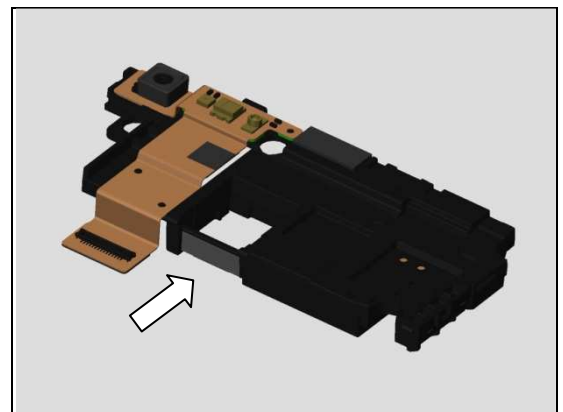
Scrap! Not to be reused once disassembled!

Replace a new one due to adhesive bonding strength is lost from disassembly!



INSTALLATION

Attach a new Foil Adhesive Camera FPC onto its proper position as shown in picture.



Replacement

4.27 Foil Adhesive Conductive Touch Panel FPC

Follow the 3.1 – 3.4 Disassembly instructions!

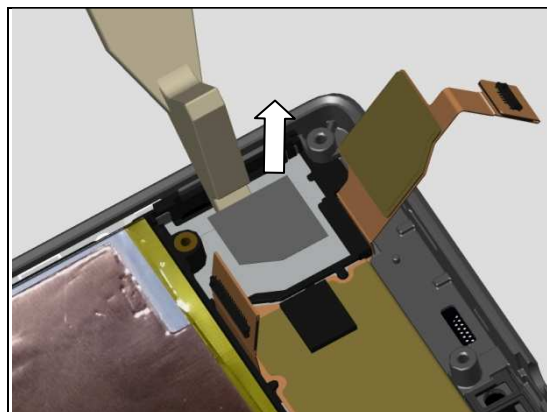
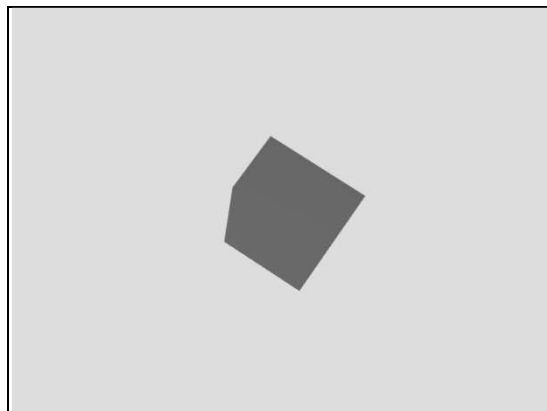
Prepare a new Foil Adhesive Conductive Touch Panel FPC.

Follow the 5.2 – 5.5 Reassembly instructions!

REMOVAL

Detach the Foil Adhesive Conductive Touch Panel FPC by using the Front Opening Tool.

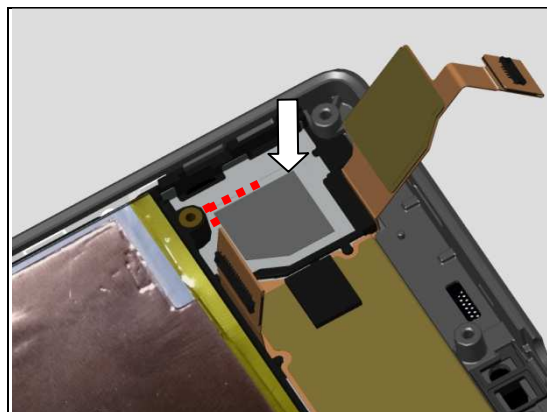
Scrap! Not to be reused!



INSTALLATION

Clean the remaining adhesive residue before installation.

Attach a new Foil Adhesive Conductive Touch Panel FPC by aligning with the guiding lines on the Carrier LCD Frame Assy.



Replacement

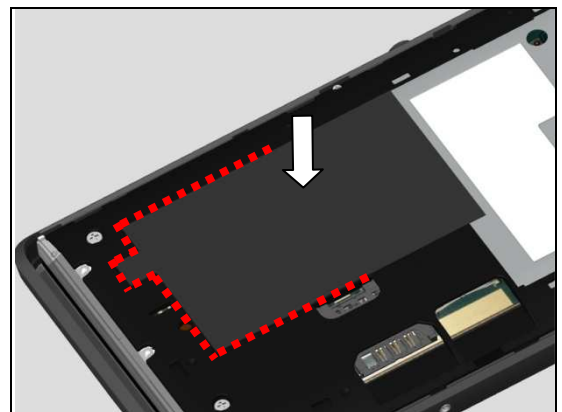
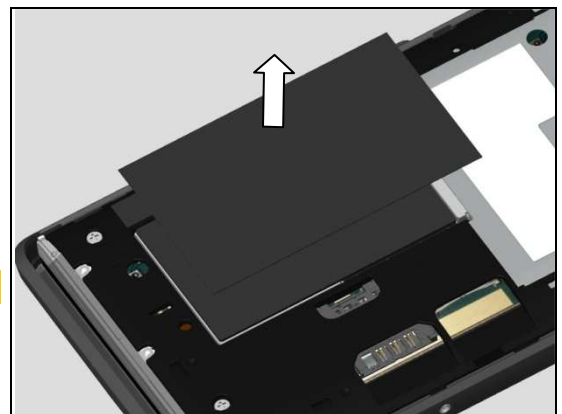
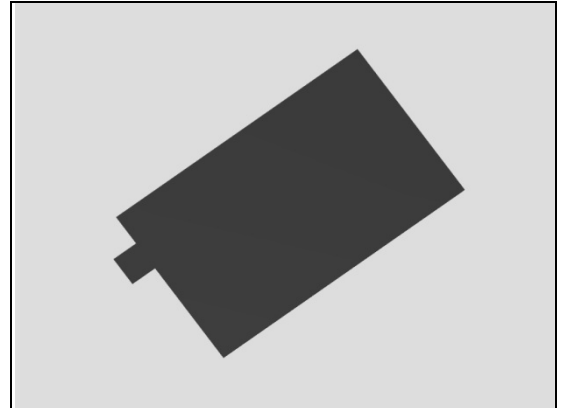
4.28 Foil Adhesive NFC Cover Film (C5303/C5302/C5306/M35h Specific)

Follow the 3.1 Disassembly instructions!
Prepare a new Foil Adhesive NFC Cover Film.
Follow the 5.5 Reassembly instructions!

REMOVAL

Detach the Foil Adhesive NFC Cover Film by using the Flex Film Assembly Tool.

Scrap! Not to be reused!



INSTALLATION

Attach a new Foil Adhesive NFC Cover Film by aligning with the guiding lines on the Ant Rear Cover Assy.

Replacement

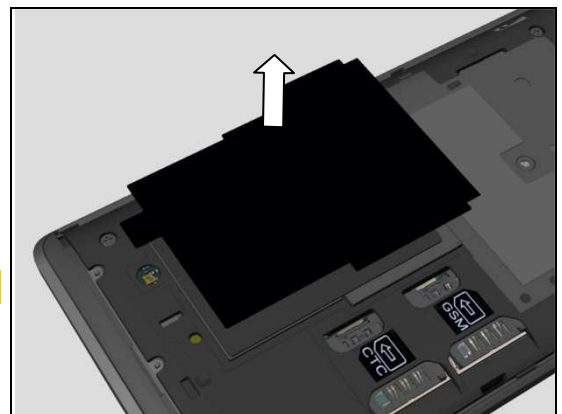
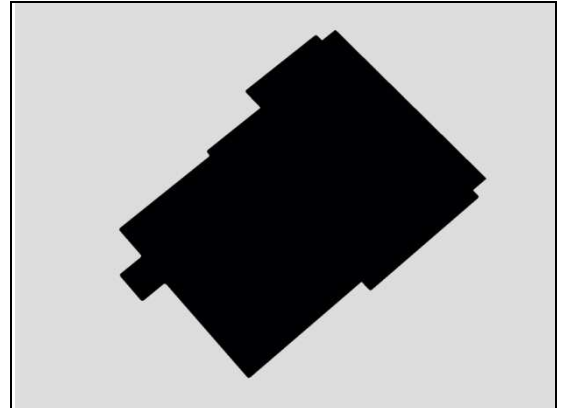
4.29 Foil Adhesive NFC Cover Film (M35c/M35t Specific)

Follow the 3.1 Disassembly instructions!
 Prepare a new Foil Adhesive NFC Cover Film.
Follow the 5.5 Reassembly instructions!

REMOVAL

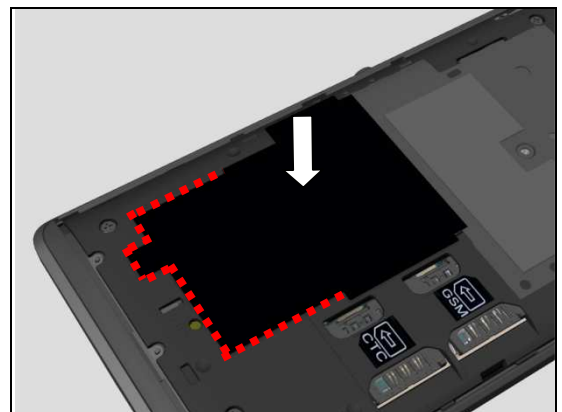
Detach the Foil Adhesive NFC Cover Film by using the Flex Film Assembly Tool.

Scrap! Not to be reused!



INSTALLATION

Attach a new Foil Adhesive NFC Cover Film by aligning with the guiding lines on the Ant Rear Cover Assy.



Replacement

4.30 Foil Adhesive SIM label_CTC/ Foil Adhesive SIM label_CDMA (M35c Specific)

Follow the 3.1 Disassembly instructions!

Prepare a new Foil Adhesive SIM label_CTC/Foil Adhesive SIM label_CDMA.

Follow the 5.5 Reassembly instructions!

Foil Adhesive SIM label_CTC and Foil Adhesive SIM label_CDMA share the same repair method in this common chapter, whose pictures are used with Foil Adhesive SIM label_CTC.

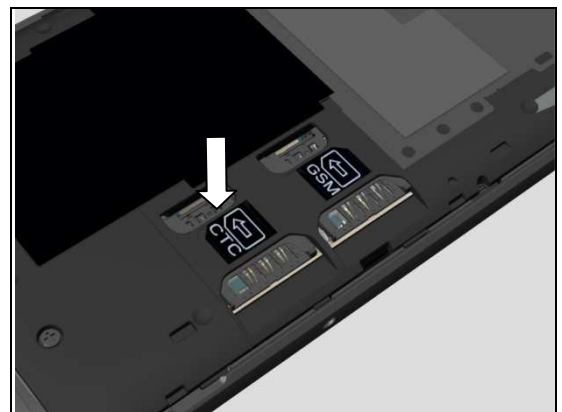
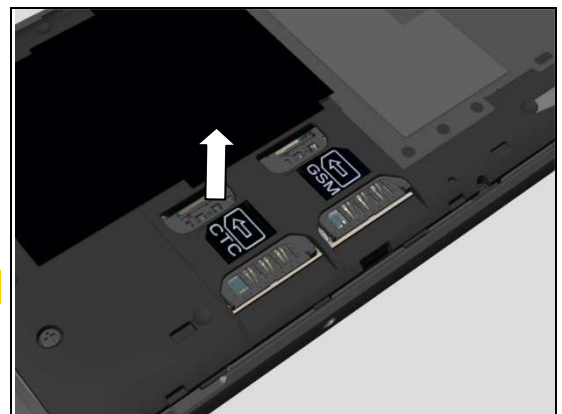
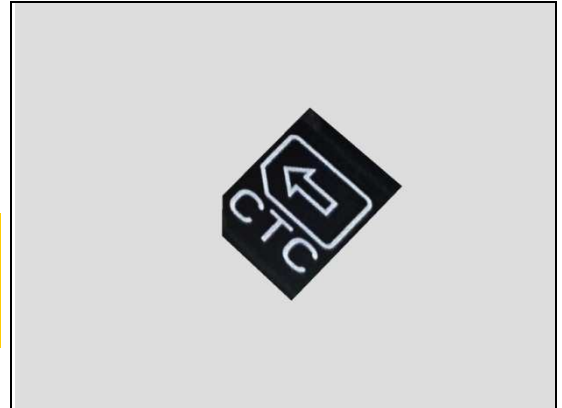
REMOVAL

Detach the Foil Adhesive SIM label_CTC/Foil Adhesive SIM label_CDMA by using the Flex Film Assembly Tool.

Scrap! Not to be reused!

INSTALLATION

Attach a new Foil Adhesive SIM label_CTC/Foil Adhesive SIM label_CDMA into its cavity on the Ant Rear Cover Assy.



Replacement

4.31 Foil Adhesive SIM label_GSM (M35c Specific)

Follow the 3.1 Disassembly instructions!

Prepare a new Foil Adhesive SIM label_GSM.

Follow the 5.5 Reassembly instructions!

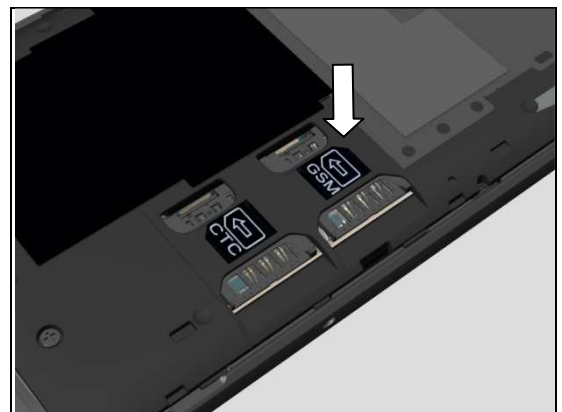
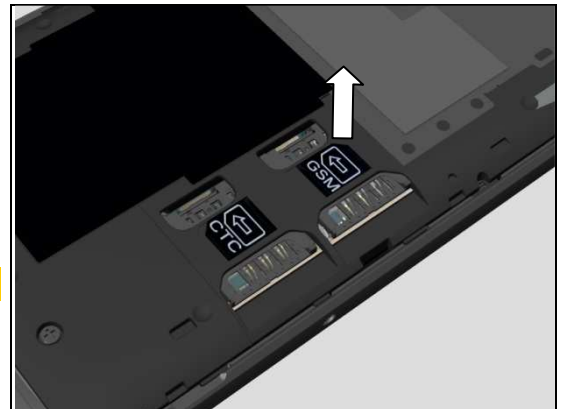
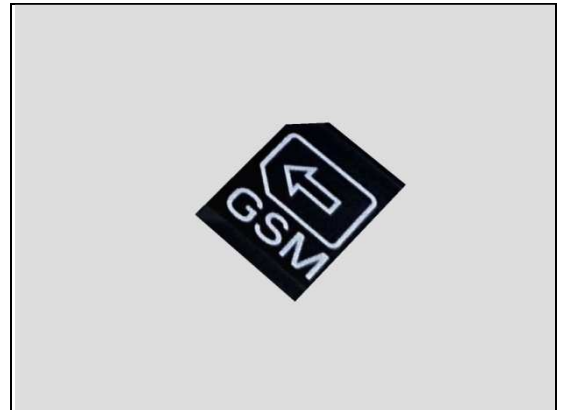
REMOVAL

Detach the Foil Adhesive SIM label_GSM by using the Flex Film Assembly Tool.

Scrap! Not to be reused!

INSTALLATION

Attach a new Foil Adhesive SIM label_GSM into its cavity on the Ant Rear Cover Assy.



Replacement

4.32 Key Camera Assy

Follow the 3.1 – 3.5 Disassembly instructions!

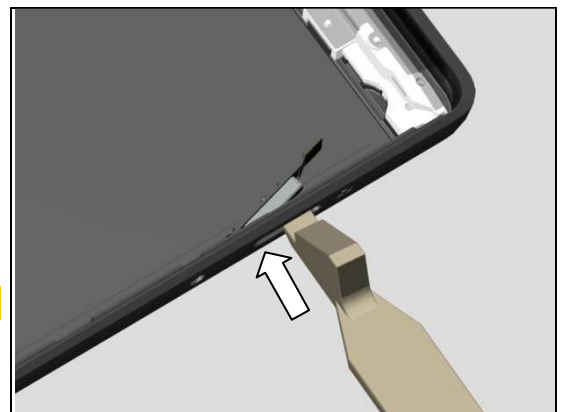
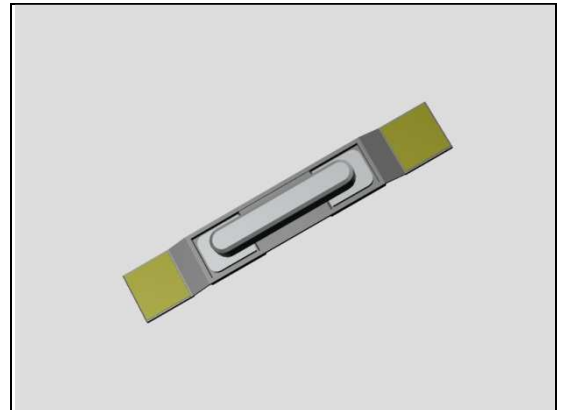
Prepare a new Key Camera Assy.

Follow the 5.1 – 5.5 Reassembly instructions!

REMOVAL

Gently push against the outside of the Key Camera Assy by using the Front Opening Tool and remove it as shown in picture.

Scrap! Not to be reused.

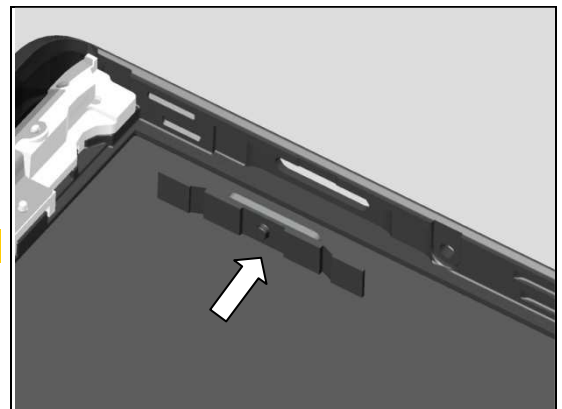
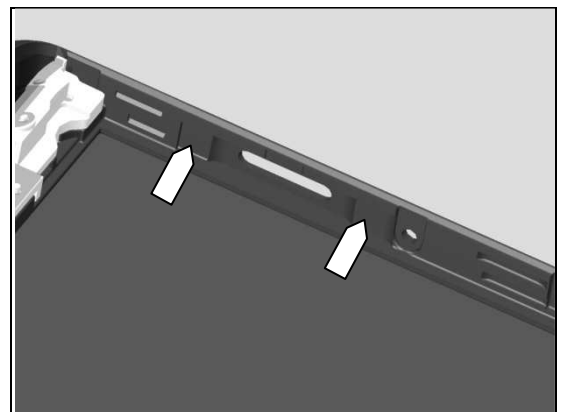


INSTALLATION

Remove the remaining adhesive residue before installation.

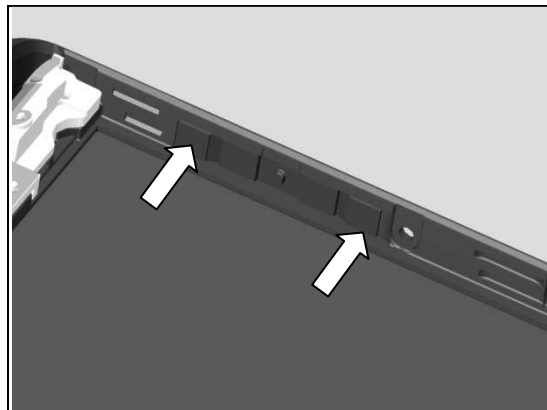
Place a new Key Camera Assy into its slot as shown in picture.

Be careful! Do not scratch the Touch Panel.



Replacement: Key Camera Assy

Press to secure its attachment.



Replacement

4.33 Key Volume Assy

Follow the 3.1 – 3.5 Disassembly instructions!

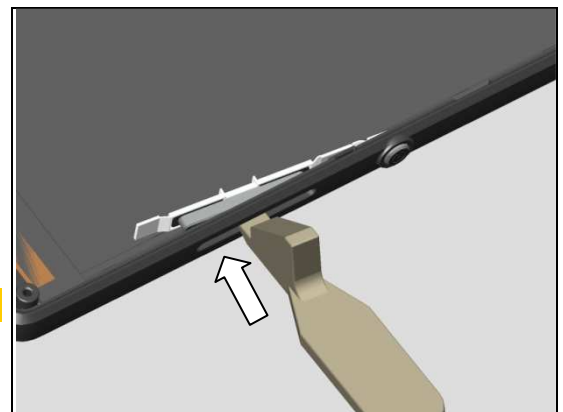
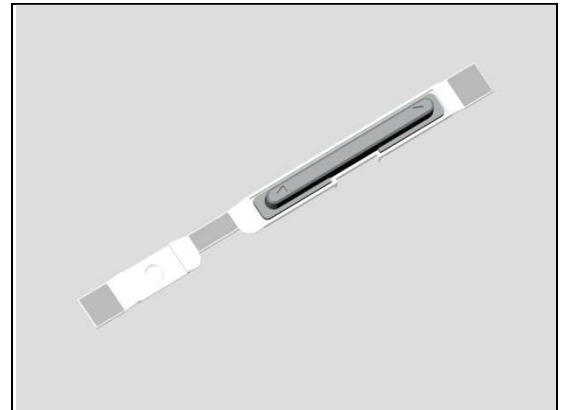
Prepare a new Key Volume Assy.

Follow the 5.1 – 5.5 Reassembly instructions!

REMOVAL

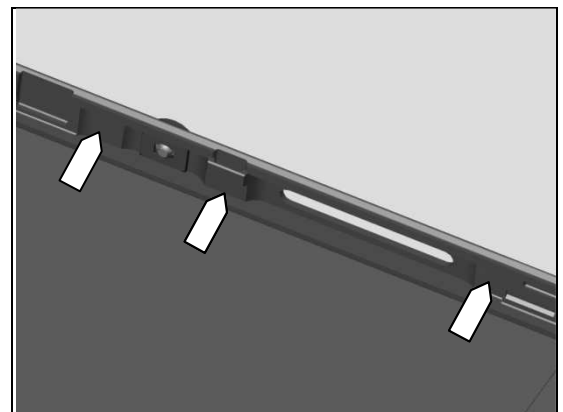
Gently push against the outside of the Key Volume Assy by using the Front Opening Tool and remove it as shown in picture.

Scrap! Not to be reused.



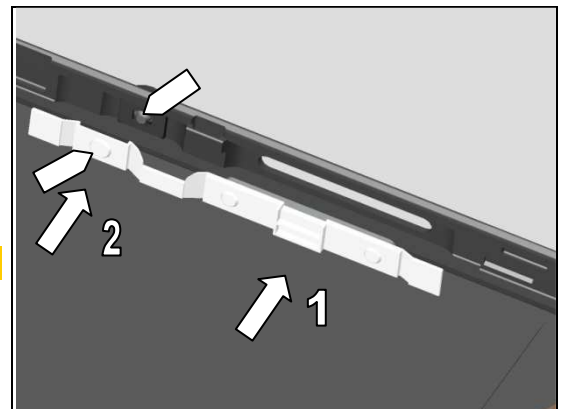
INSTALLATION

Remove the remaining adhesive residue before installation.



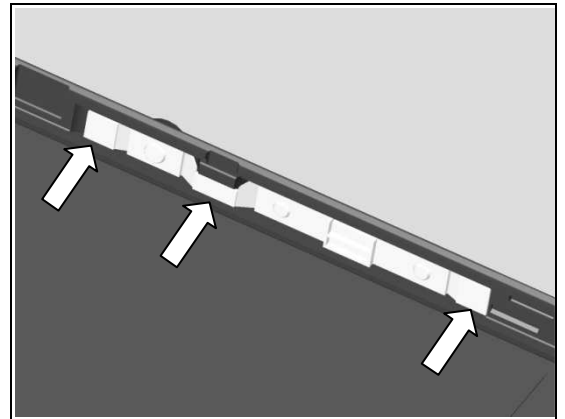
Place a new Key Volume Assy into its slot (1), and then place the rubber part of the Key Volume Assy onto the Power Key (2) as shown in picture.

Be careful! Do not scratch the Touch Panel.



Replacement: Key Volume Assy

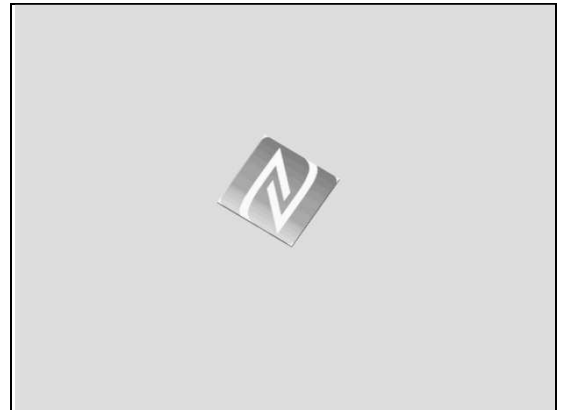
Press to secure its attachment.



Replacement

4.34 Label NFC (C5303/C5302/C5306/M35h Specific)

Prepare a new Label NFC.



REMOVAL

Detach the Label NFC.

Scrap! Not to be reused.

Be careful! Do not scratch the Cover Battery Assy.



INSTALLATION

Attach a new Label NFC at its proper position as shown in picture.



Replacement

4.35 Liquid Indicator (C5303/C5302/C5306/M35h Specific)

Follow the 3.1 – 3.2 Disassembly instructions!

Prepare a new Liquid Indicator.

Follow the 5.4 – 5.5 Reassembly instructions!

Be careful! Disconnect the Battery Assy FPC BtB connector to cut off power supply when replacing.

REMOVAL

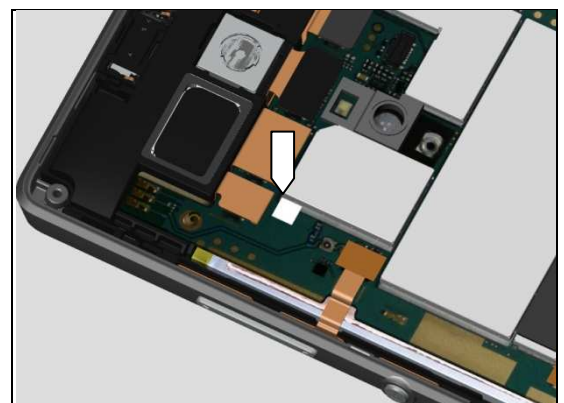
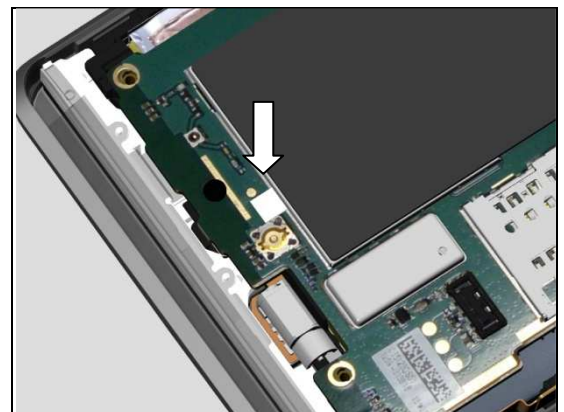
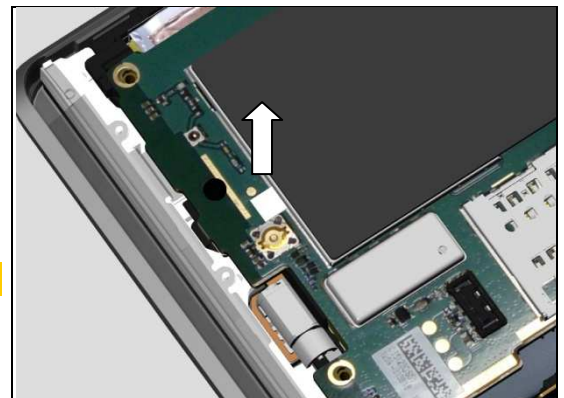
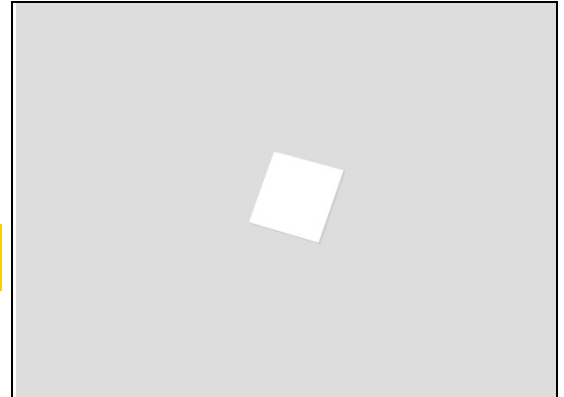
Detach to remove the Liquid Indicator by using the Flex Film Assembly Tool.

Scrap! Not to be reused!

INSTALLATION

Attach a new Liquid Indicator on its correct position as shown in picture.

Do the same to this Liquid Indicator.



Replacement

4.36 Liquid Indicator (M35c/M35t Specific)

Follow the 3.1 – 3.2 Disassembly instructions!

Prepare a new Liquid Indicator.

Follow the 5.4 – 5.5 Reassembly instructions!

Be careful! Disconnect the Battery Assy FPC BtB connector to cut off power supply when replacing.

REMOVAL

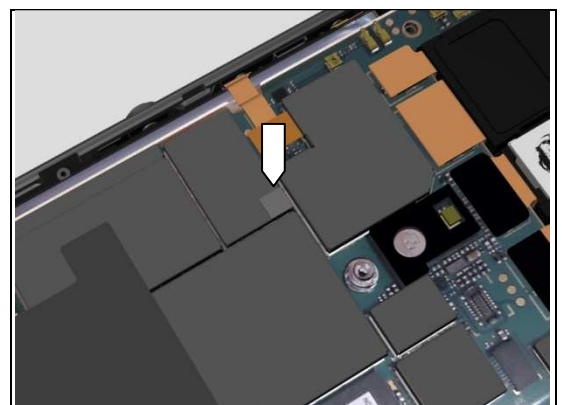
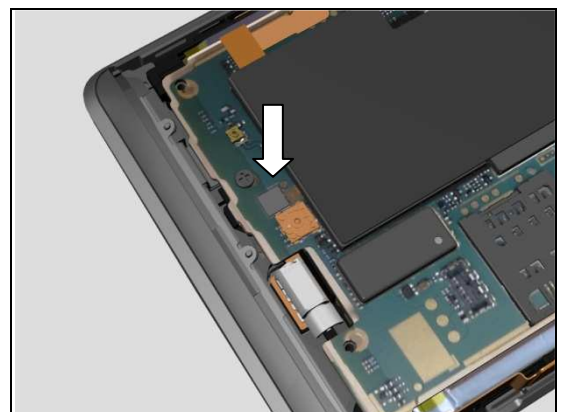
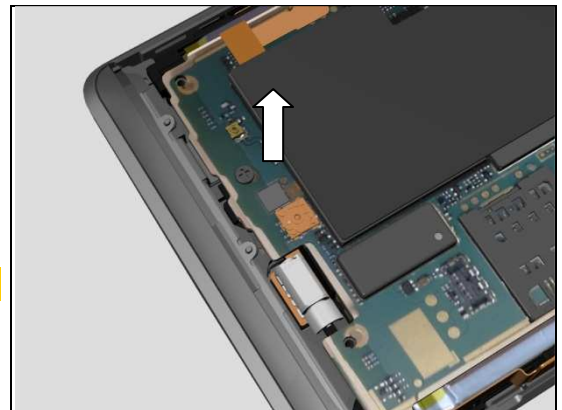
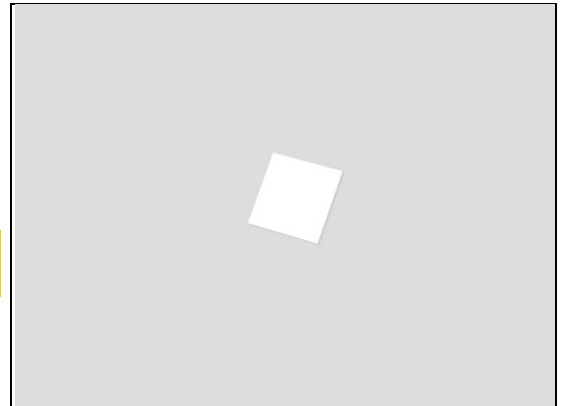
Detach to remove the Liquid Indicator by using the Flex Film Assembly Tool.

Scrap! Not to be reused!

INSTALLATION

Attach a new Liquid Indicator on its correct position as shown in picture.

Do the same to this Liquid Indicator.



Replacement

4.37 Main Camera

Follow the 3.1 – 3.4 Disassembly instructions!

Prepare a new Main Camera.

Follow the 5.2 – 5.5 Reassembly instructions!

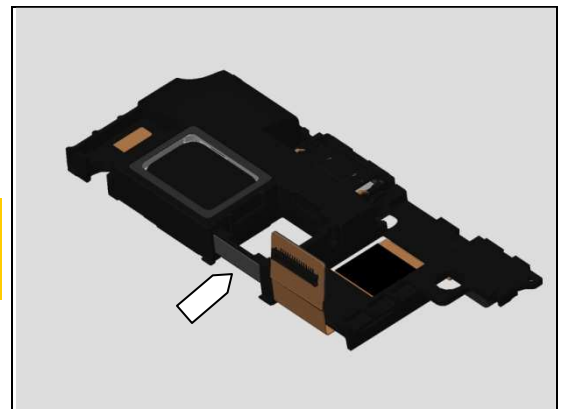
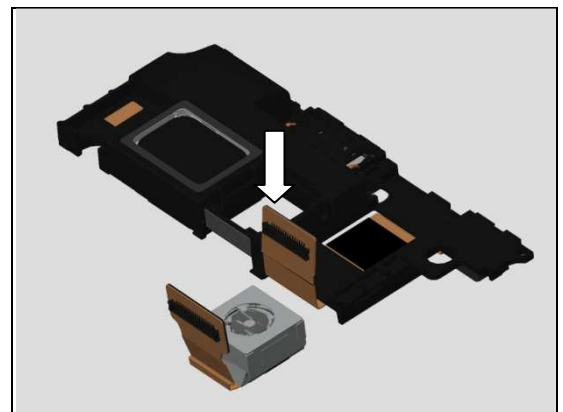
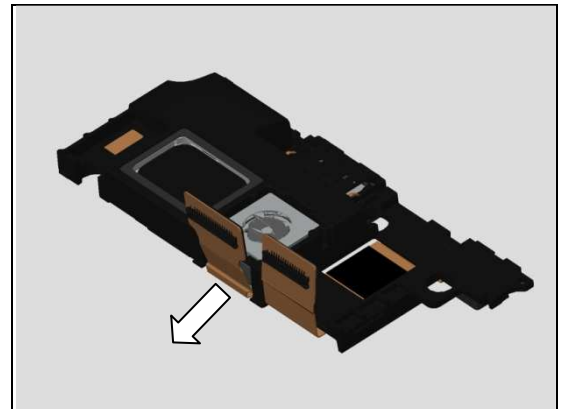
REMOVAL

Detach the Main Camera FPC from the Speaker Box Assy.

Release the Main Camera from its socket and remove it.

INSTALLATION

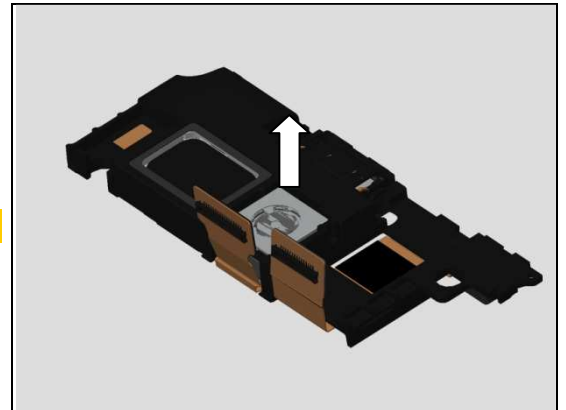
Follow the 4.26 Removal and Installation instructions to replace a new Foil Adhesive Camera FPC due to adhesive bonding strength is lost from disassembly!



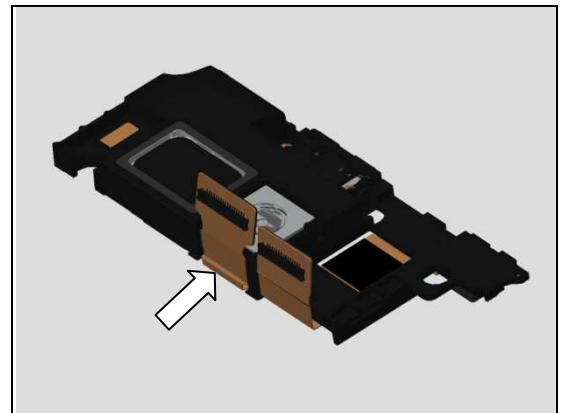
Replacement: Main Camera

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

Note the orientation of the Main Camera to be installed!



Press to attach the Main Camera FPC onto the Speaker Box Assy.



Replacement

4.38 Mesh Gasket 1st MIC

Follow the 3.1 – 3.5 Disassembly instructions!

Prepare a new Mesh Gasket 1st MIC.

Follow the 5.1 – 5.5 Reassembly instructions!

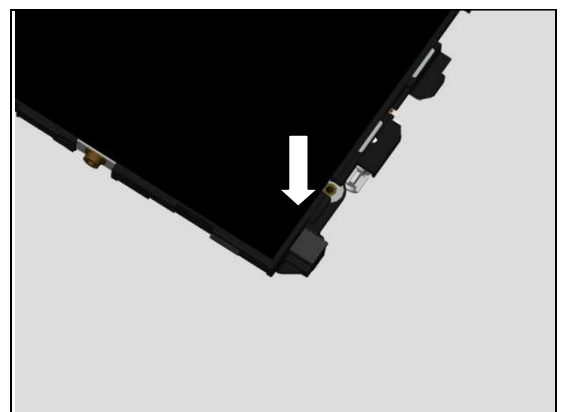
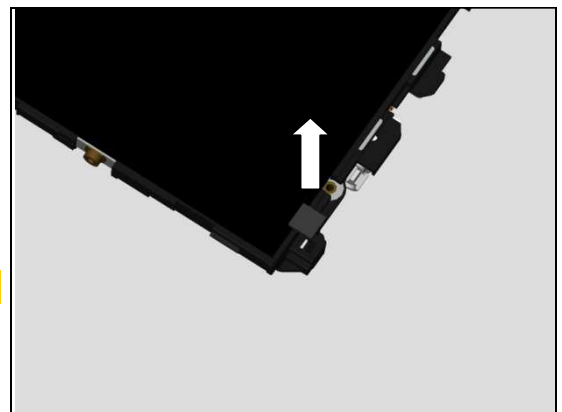
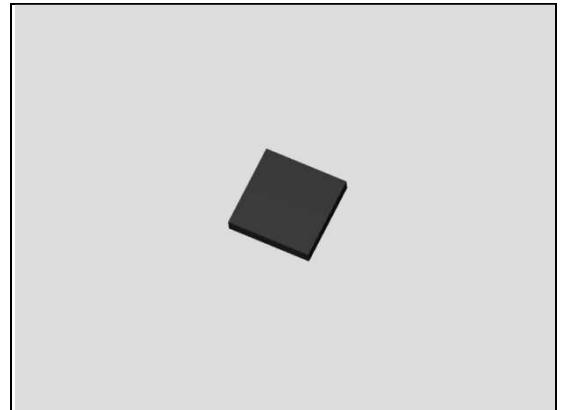
REMOVAL

Detach to remove the Mesh Gasket 1st MIC by using the Flex Film Assembly Tool.

Scrap! Not to be reused!

INSTALLATION

Attach a new Mesh Gasket 1st MIC on its correct position as shown in picture.



Replacement

4.39 Mesh Gasket Earspeaker

Follow the 3.1 – 3.4 Disassembly instructions!

Follow the 4.37 Removal instructions!

Prepare a new Mesh Gasket Earspeaker.

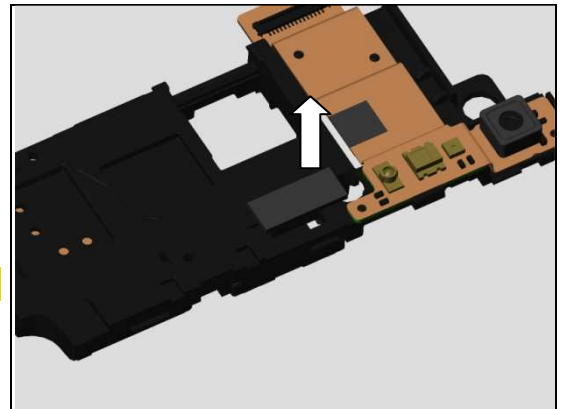
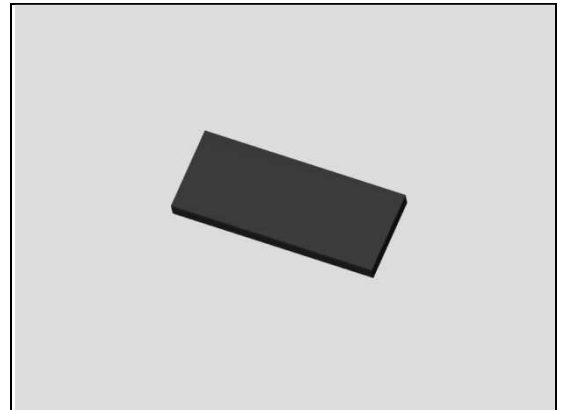
Follow the 4.37 Installation instructions!

Follow the 5.2 – 5.5 Reassembly instructions!

REMOVAL

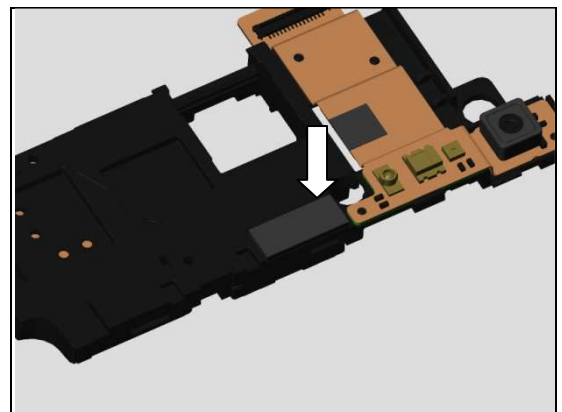
Detach to remove the Mesh Gasket Earspeaker by using the Flex Film Assembly Tool.

Scrap! Not to be reused!



INSTALLATION

Attach a new Mesh Gasket Earspeaker on its correct position as shown in picture.



Replacement

4.40 Rubber Cover Chat Camera

Follow the 3.1 – 3.4 Disassembly instructions!

Follow the 4.37 Removal instructions!

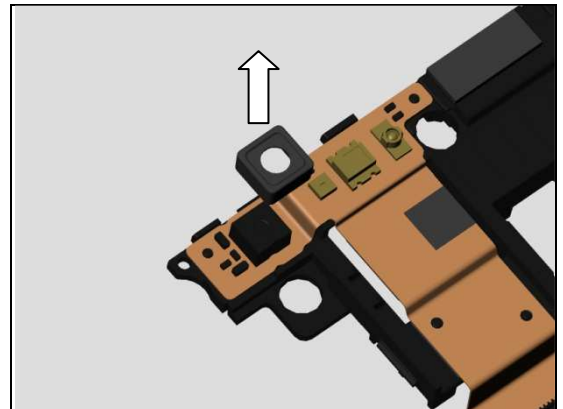
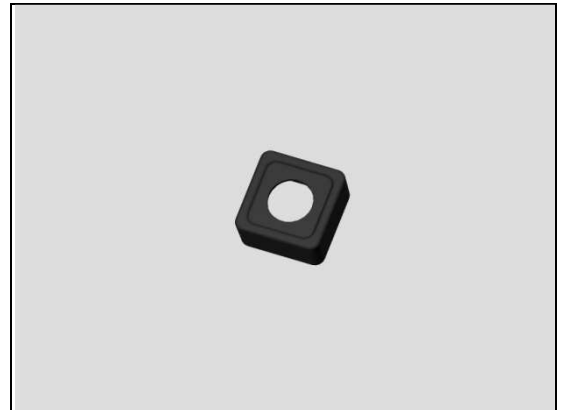
Prepare a new Rubber Cover Chat Camera.

Follow the 4.37 Installation instructions!

Follow the 5.2 – 5.5 Reassembly instructions!

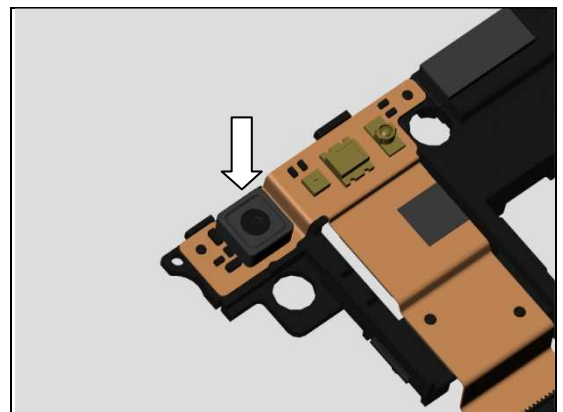
REMOVAL

Remove the Rubber Cover Chat Camera.



INSTALLATION

Mount the Rubber Cover Chat Camera as shown in picture.



Replacement

4.41 Rubber Reset Key

Follow the 3.1 – 3.2 Disassembly instructions!

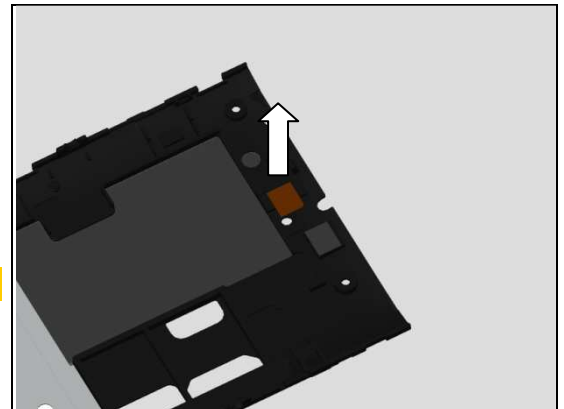
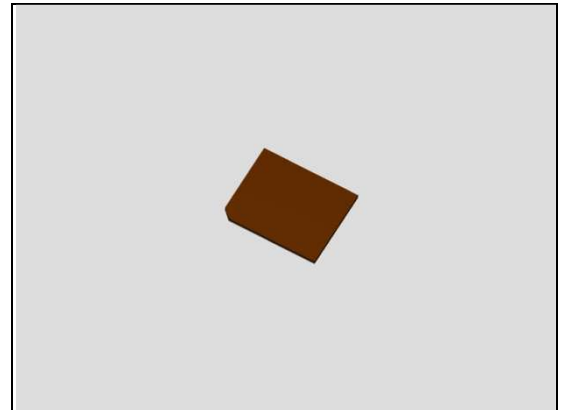
Prepare a new Rubber Reset Key.

Follow the 5.4 – 5.5 Reassembly instructions!

REMOVAL

Detach to remove the Rubber Reset Key by using the Flex Film Assembly Tool.

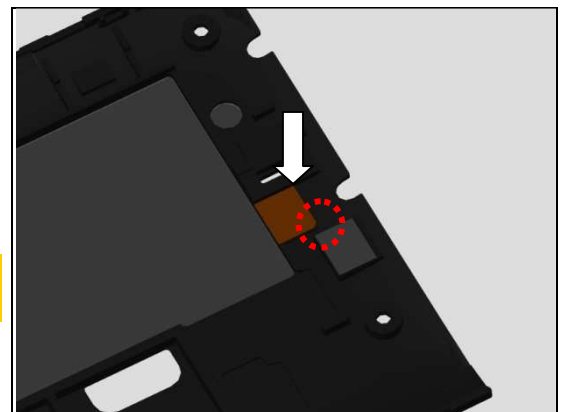
Scrap! Not to be reused!



INSTALLATION

Attach a new Rubber Reset Key on its correct position as shown in picture.

Note the cut corner of the Rubber Reset Key to be installed in right orientation!



Replacement

4.42 Sidekey FPC Assy

Follow the 3.1 – 3.5 Disassembly instructions!

Prepare a new Sidekey FPC Assy.

Follow the 5.1 – 5.5 Reassembly instructions!

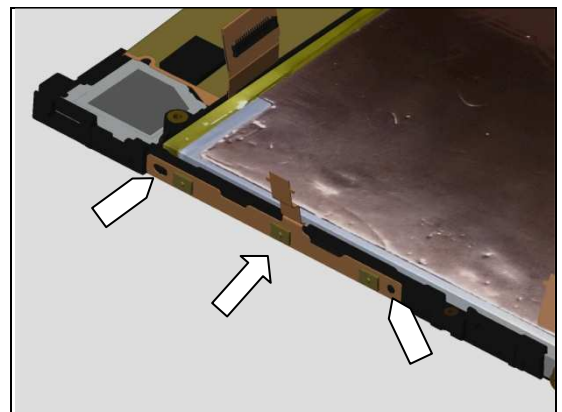
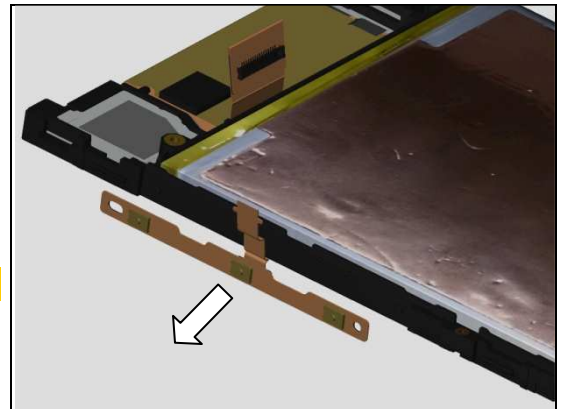
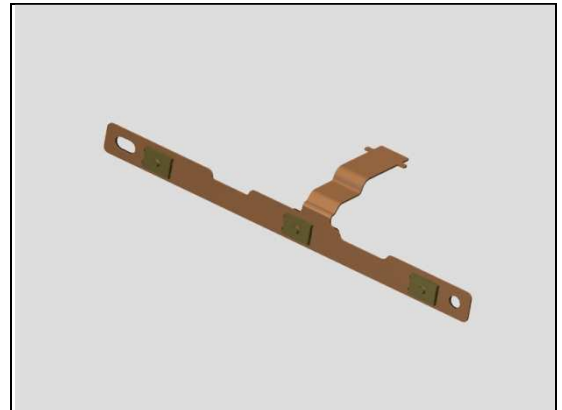
REMOVAL

Detach the Sidekey FPC Assy by using a pair of Plastic Tweezers.

Scrap! Not to be reused!

INSTALLATION

Attach a new Sidekey FPC Assy by aligning with the two guiding pins on the Carrier LCD Frame Assy as shown in picture.



Replacement

4.43 Speaker Mesh

Follow the 3.1 Disassembly instructions!

Prepare a new Speaker Mesh.

Follow the 5.5 Reassembly instructions!

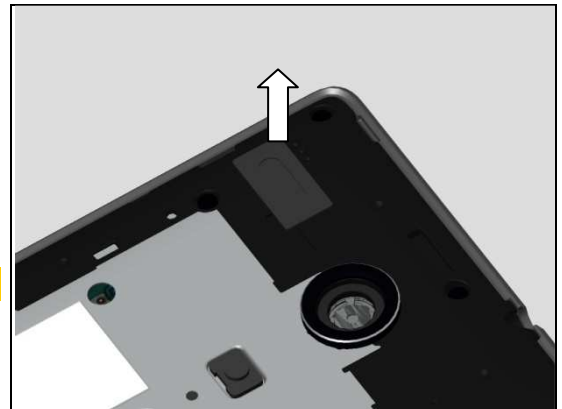
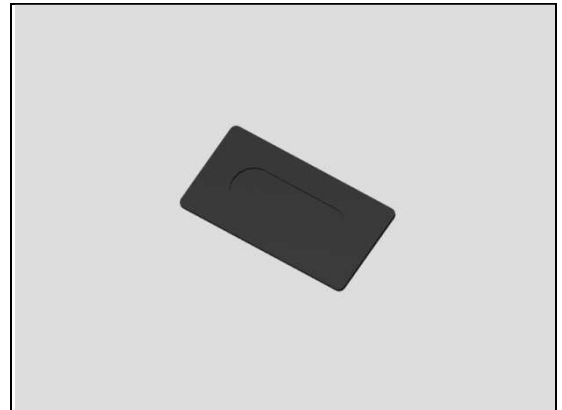
REMOVAL

Detach the Speaker Mesh by using the Flex Film Assembly Tool.

Scrap! Not to be reused!

INSTALLATION

Attach a new Speaker Mesh in its cavity as shown in picture.



Replacement

4.44 Speaker Net

Follow the 3.1 Disassembly instructions!

Prepare a new Speaker Net.

Follow the 5.5 Reassembly instructions!

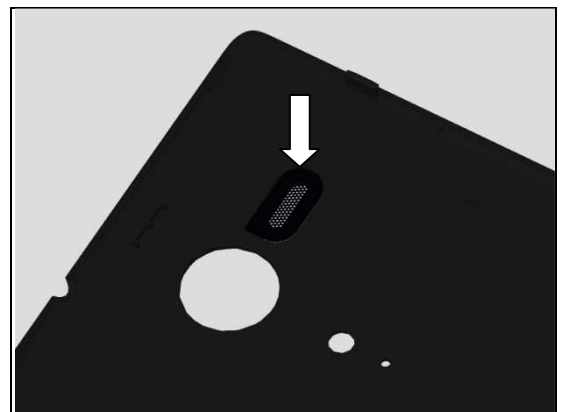
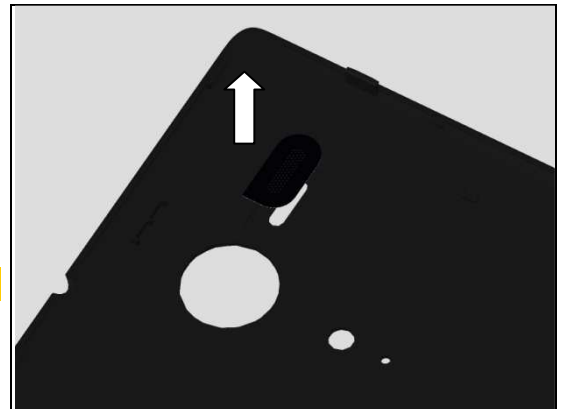
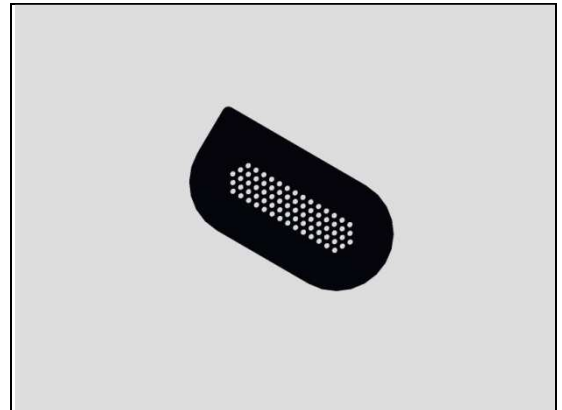
REMOVAL

Detach the Speaker Net by using the Flex Film Assembly Tool.

Scrap! Not to be reused!

INSTALLATION

Attach a new Speaker Net in its cavity as shown in picture.



Replacement

4.45 Vibrator FPC Assy

Follow the 3.1 – 3.5 Disassembly instructions!

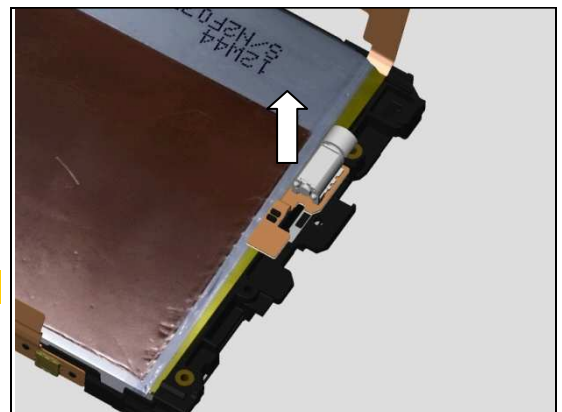
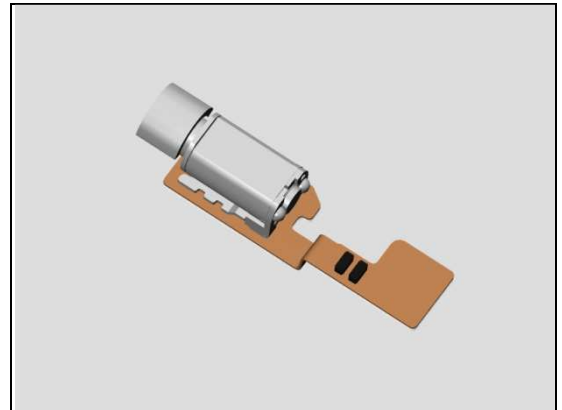
Prepare a new Vibrator FPC Assy.

Follow the 5.1 – 5.5 Reassembly instructions!

REMOVAL

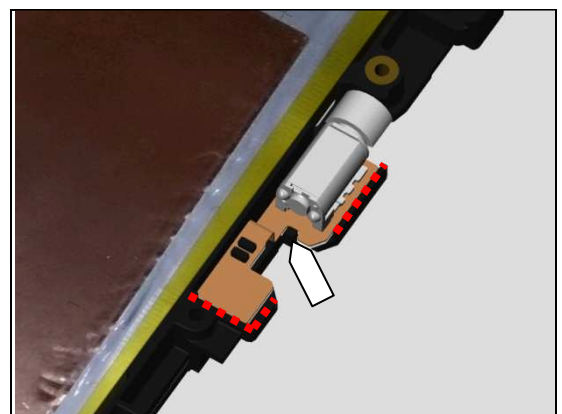
Detach the Vibrator FPC Assy by using a pair of Plastic Tweezers.

Scrap! Not to be reused!

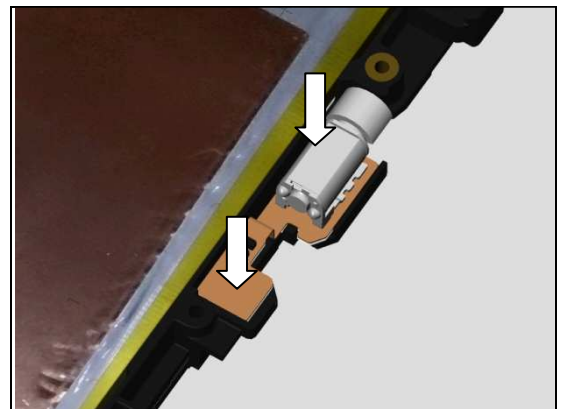


INSTALLATION

Attach a new Vibrator FPC Assy by aligning with the guiding ribs on the Carrier LCD Frame Assy as shown in picture.



Press to secure its attachment.



Replacement

4.46 Window Camera

Follow the 3.1 – 3.2 Disassembly instructions!

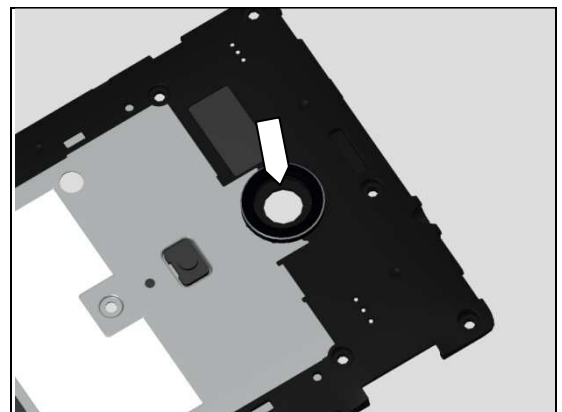
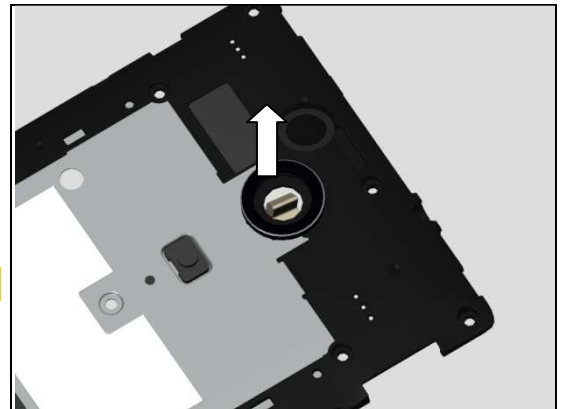
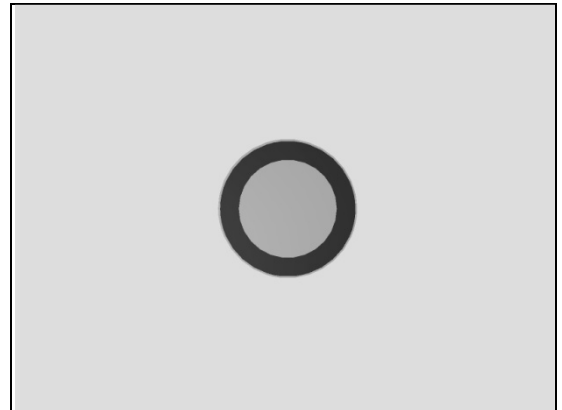
Prepare a new Window Camera.

Follow the 5.4 – 5.5 Reassembly instructions!

REMOVAL

Detach the Window Camera by using the Front Opening Tool.

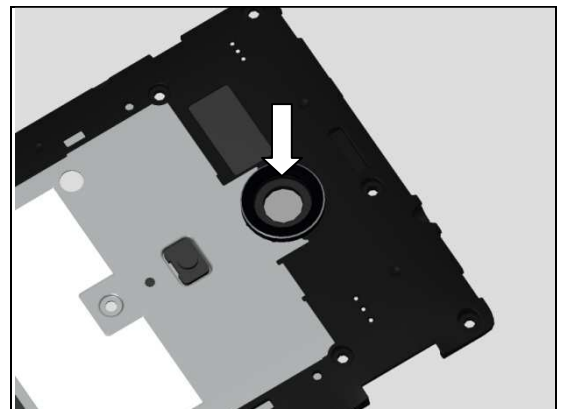
Scrap! Not to be reused!



INSTALLATION

Clean the remaining adhesive residue before installation.

Mount a new Window Camera onto its proper position as shown in picture and press to attach it.



Replacement

4.47 Cap Rubber P-sensor

Follow the 3.1 – 3.4 Disassembly instructions!

Prepare a new Cap Rubber P-sensor.

Follow the 5.2 – 5.5 Reassembly instructions!

Proximity Sensor Calibration must be performed for all replaced units; 1262-6643 Trouble Shooting Application – mechanical.

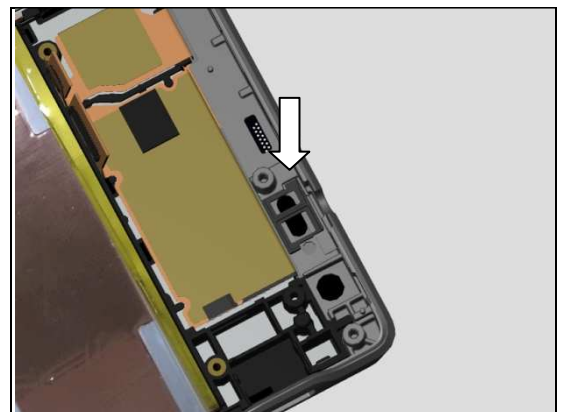
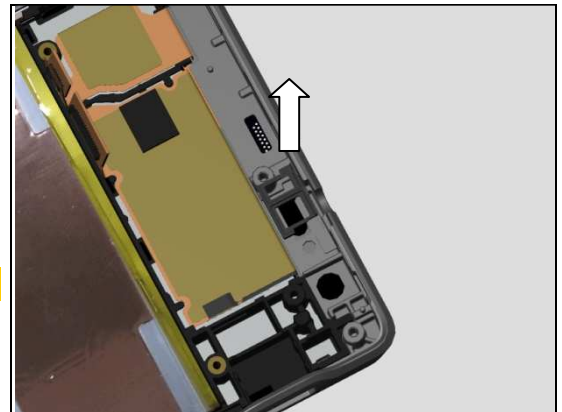
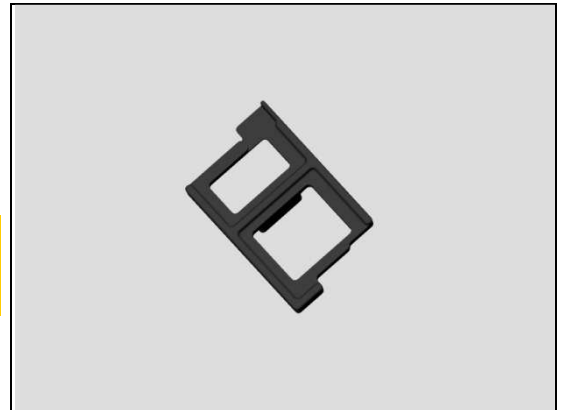
REMOVAL

Detach the Cap Rubber P-sensor by using the Plastic Tweezers.

Scrap! Not to be reused!

INSTALLATION

Attach a new Cap Rubber P-sensor in its proper position as shown in picture.



Replacement

4.48 Board Swap – Replacement (C5303/C5302/C5306/M35h Specific)

Follow the 3.1 – 3.3 Disassembly instructions!

Follow the 4.19 Removal instructions!

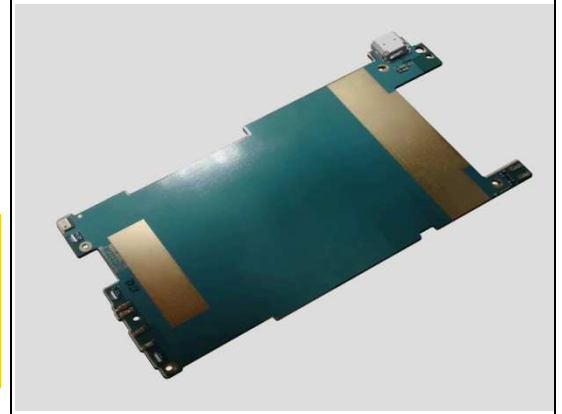
Replace the Swap Board.

Follow the 4.19, 4.24 and 4.35 Installation instructions!

Follow the 5.3 – 5.5 Reassembly instructions!

Attach a new Foil Adhesive ZIF Connector onto the Antenna NFC Flex ZIF connector.

Proximity Sensor Calibration must be performed for all replaced units; 1262-6643 Trouble Shooting Application – mechanical.



4.49 Board Swap – Replacement (M35c/M35t Specific)

Follow the 3.1 – 3.3 Disassembly instructions!

Follow the 4.19 Removal instructions!

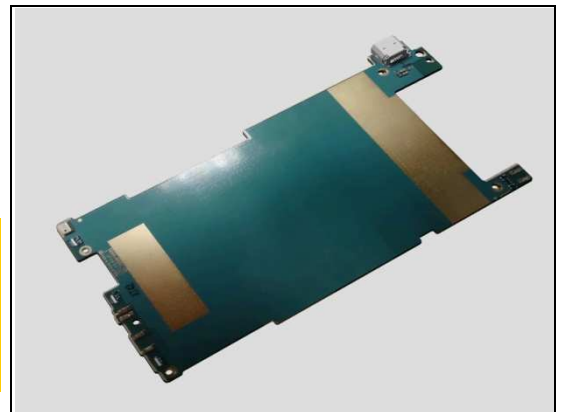
Replace the Swap Board.

Follow the 4.19 and 4.36 Installation instructions!

Follow the 5.3 – 5.5 Reassembly instructions!

Attach a new Foil Adhesive ZIF Connector onto the Antenna NFC Flex ZIF connector.

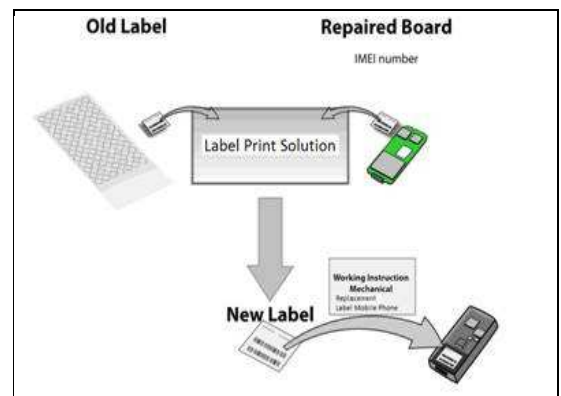
Proximity Sensor Calibration must be performed for all replaced units; 1262-6643 Trouble Shooting Application – mechanical.



4.50 Board Swap – Change Label

CHANGE LABEL

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

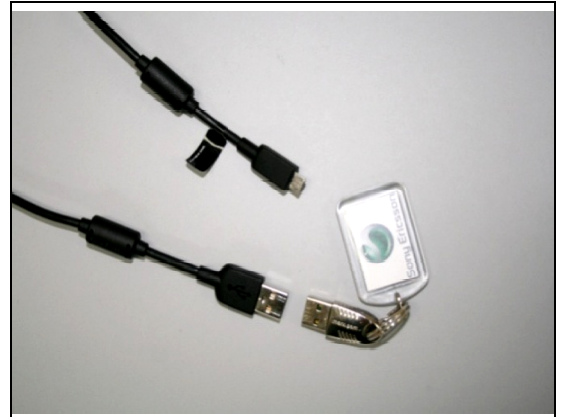


Replacement

4.51 Board Swap – Customize of Software

CUSTOMIZE OF SOFTWARE

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



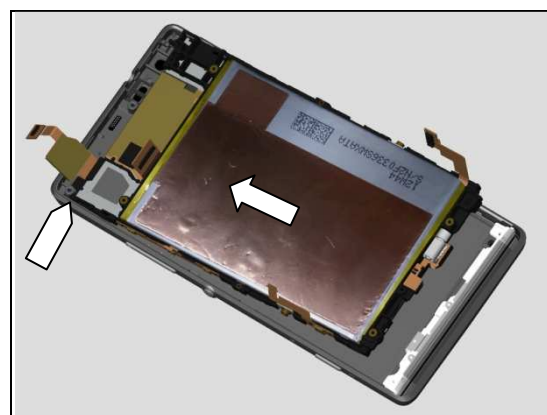
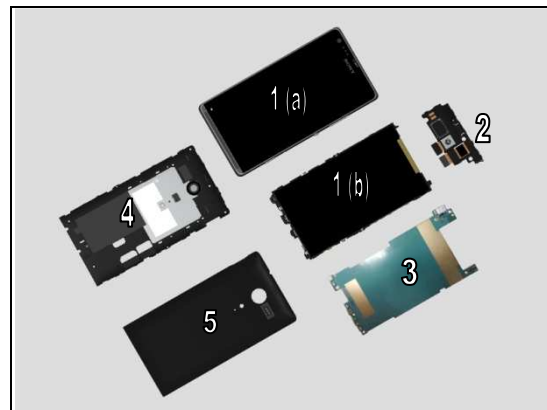
5 Reassembly

The C5303/C5302/C5306/M35h/M35c/M35t reassembly is done in the following order:

1. Touch Front Cover Assy (a) & Carrier LCD Frame Assy (b)
2. Speaker Box Assy
3. Main PBA
4. Ant Rear Cover Assy
5. Cover Battery Assy

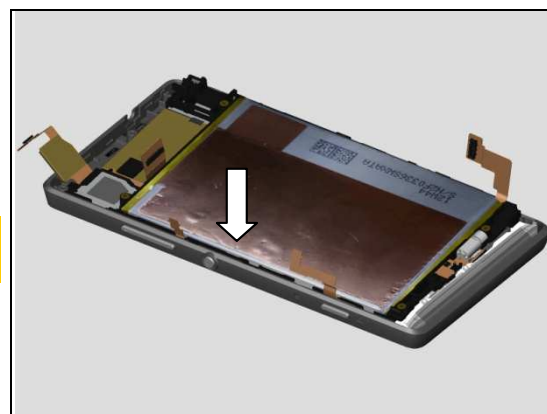
5.1 Touch Front Cover Assy (a) & Carrier LCD Frame Assy (b)

Place the top left side of the Carrier LCD Frame Assy onto its proper position as shown in picture.

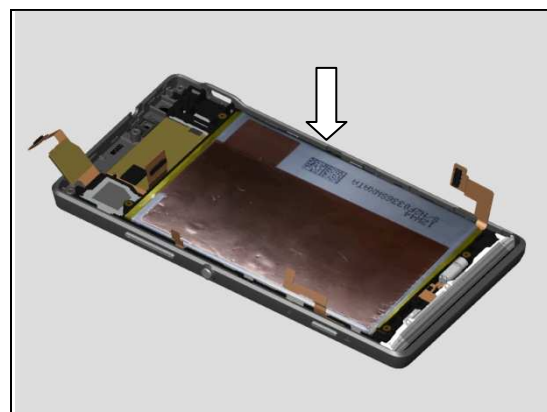


Place the whole left side of the Carrier LCD Frame Assy into the Touch Front Cover Assy as shown in the picture.

Be careful! Do not deform the rubber of the Key Volume Assy and Key Camera Assy.



Press the whole right side of the Carrier LCD Frame Assy into the Touch Front Cover Assy.

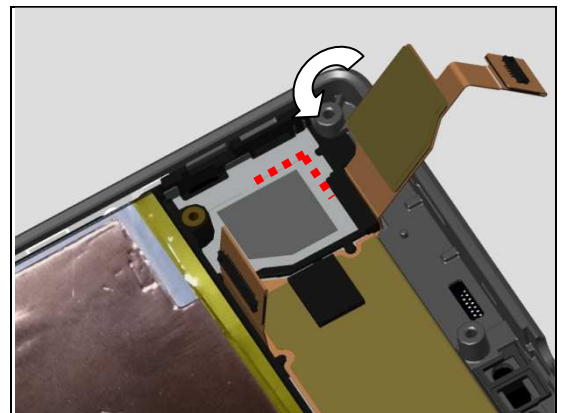
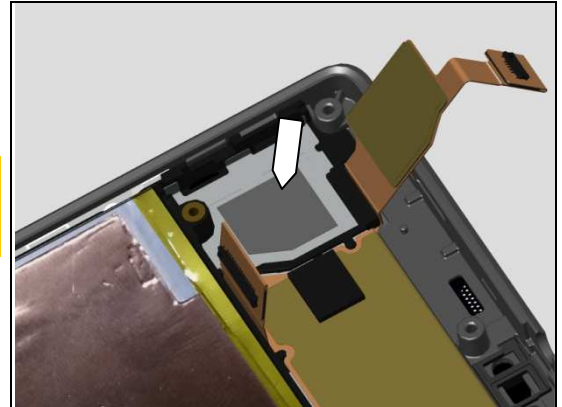


Reassembly

Follow the 4.27 Removal and Installation instructions to replace a new Foil Adhesive Conductive Touch Panel FPC.

Rotate to attach the Touch Panel FPC by aligning with the guiding lines on the Carrier LCD Frame Assy as shown in picture.

Press to secure its attachment.

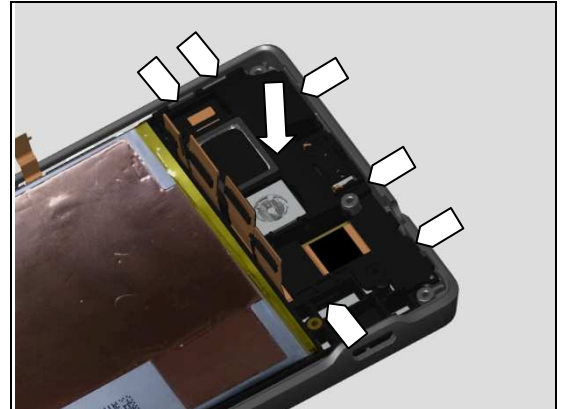


5.2 Speaker Box Assy

Mount the Speaker Box Assy into its cavity.

Reassembly

Press to snap the hooks.

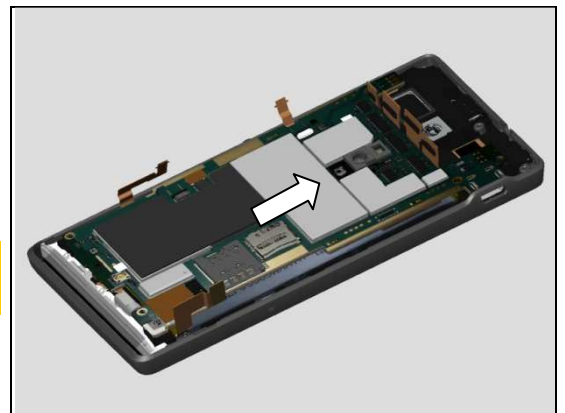


5.3 Main PBA

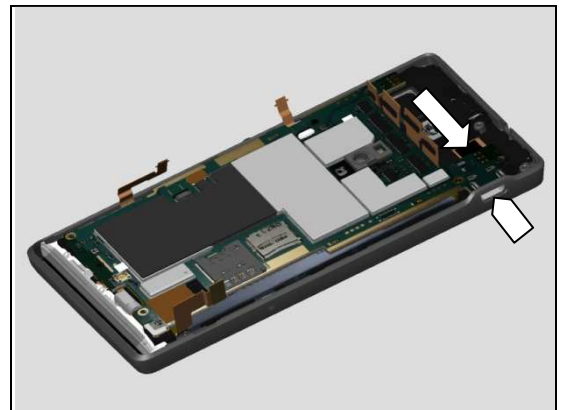
Place the Main PBA as shown in picture.

Be careful! Do not damage the FPCs.

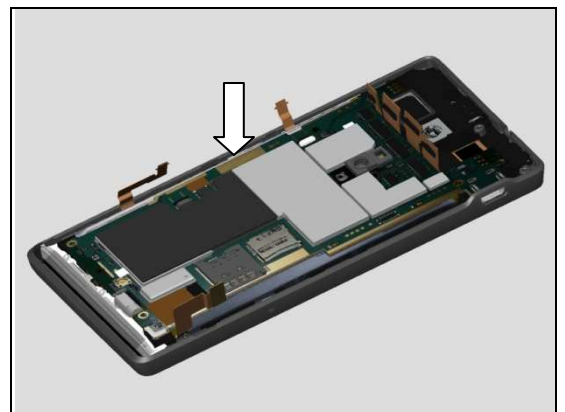
Make sure all FPCs are not under the Main PBA.



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



Mount the Main PBA onto its right position as shown in picture.

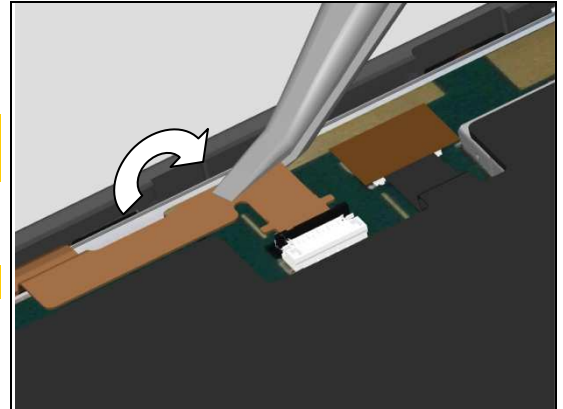


Reassembly

Below four actions for reassembly of the Camera Key FPC are C5303/C5302/C5306/M35h specific!

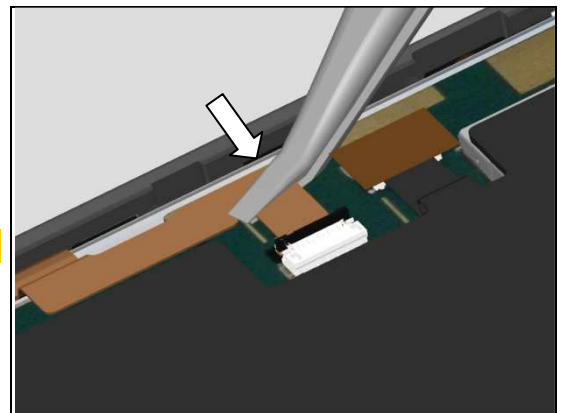
Rotate the Camera Key FPC as shown in picture.

C5303/C5302/C5306/M35h specific!



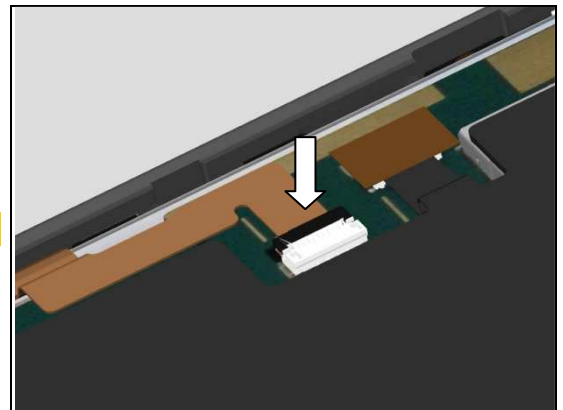
Gently insert the Camera Key FPC into the ZIF connector by using the Flex Film Assembly Tool.

C5303/C5302/C5306/M35h specific!



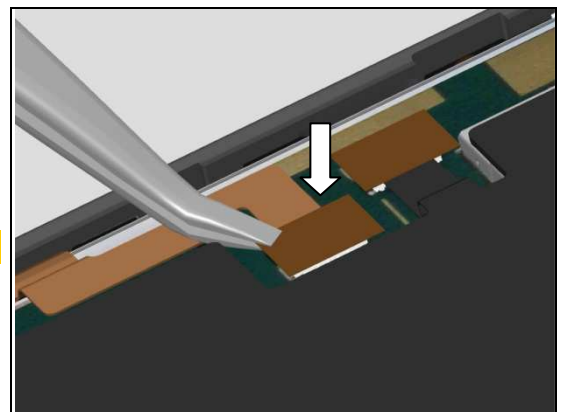
Lock the ZIF connector by using the Front Opening Tool.

C5303/C5302/C5306/M35h specific!



Attach a new Foil Adhesive ZIF Connector on the correct position.

C5303/C5302/C5306/M35h specific!

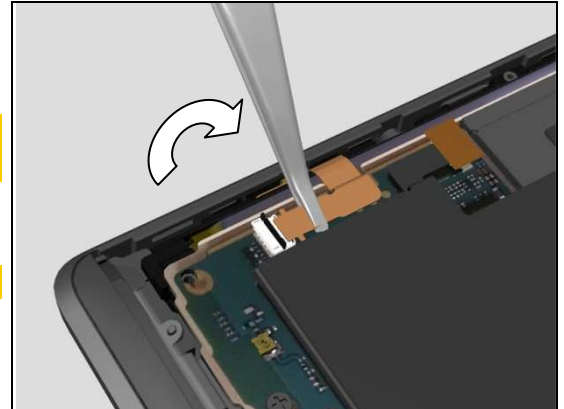


Reassembly

Below four actions for reassembly of the Camera Key FPC are M35c/M35t specific!

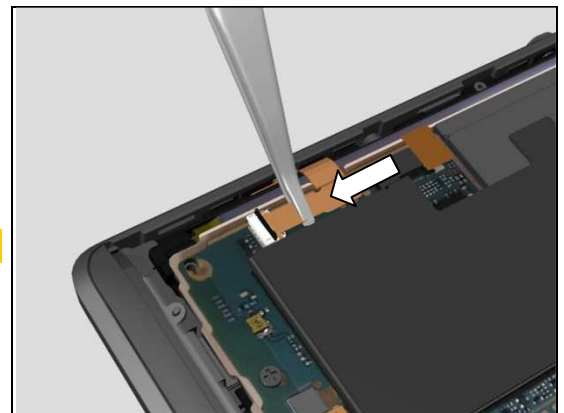
Rotate the Camera Key FPC as shown in picture.

M35c/M35t specific!



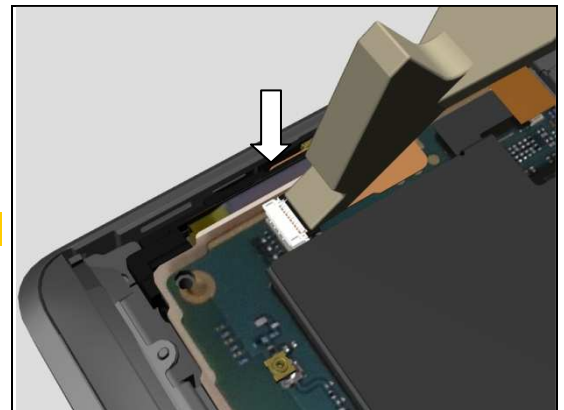
Gently insert the Camera Key FPC into the ZIF connector by using the Flex Film Assembly Tool.

M35c/M35t specific!



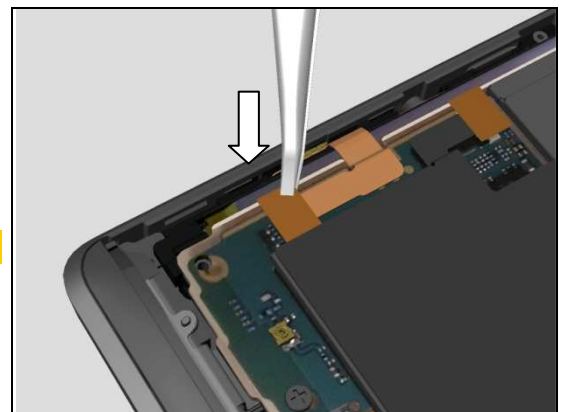
Lock the ZIF connector by using the Front Opening Tool.

M35c/M35t specific!



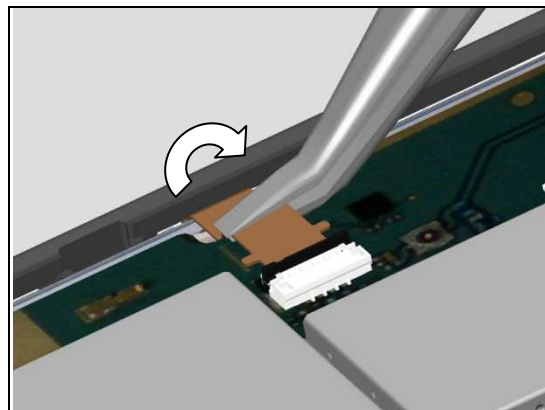
Attach a new Foil Adhesive ZIF Connector on the correct position.

M35c/M35t specific!

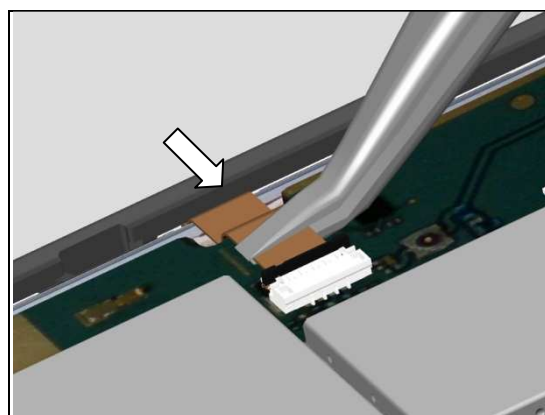


Reassembly

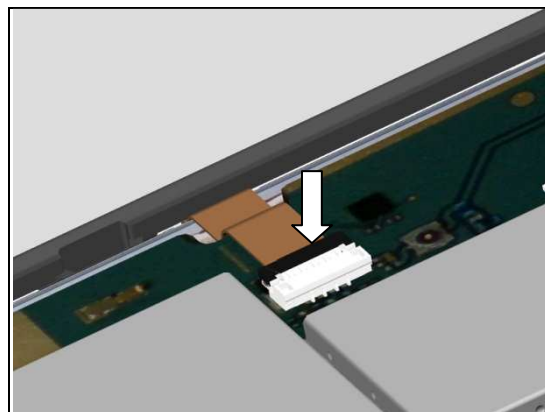
Rotate the Sidekey FPC as shown in picture.



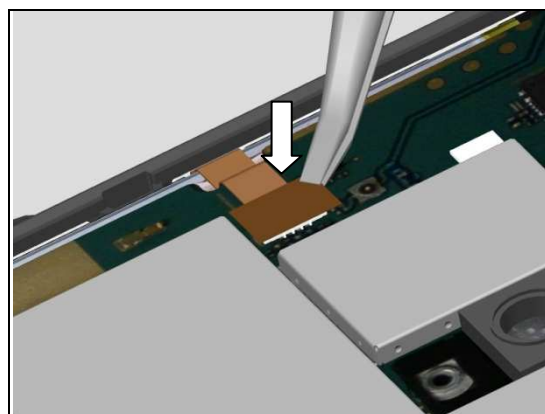
Gently insert the Sidekey FPC into the ZIF connector by using the Flex Film Assembly Tool.



Lock the ZIF connector by using the Front Opening Tool.

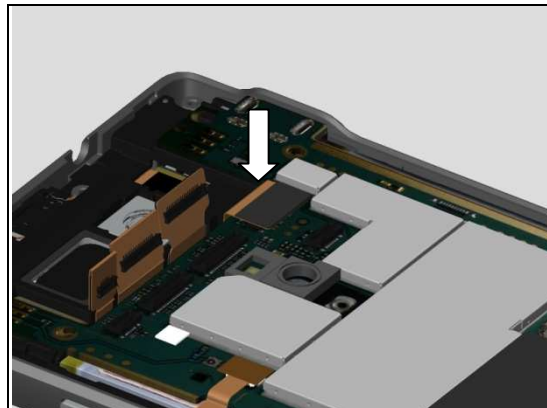


Attach a new Foil Adhesive ZIF Connector on the correct position.

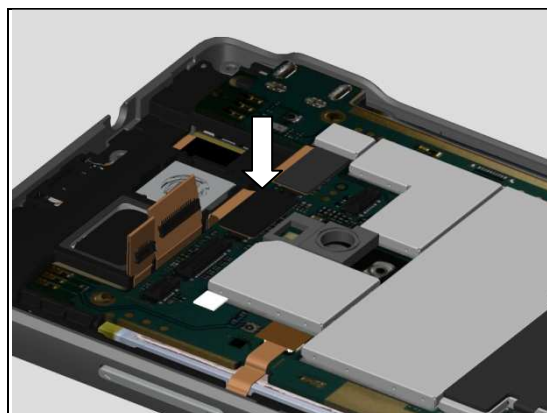


Reassembly

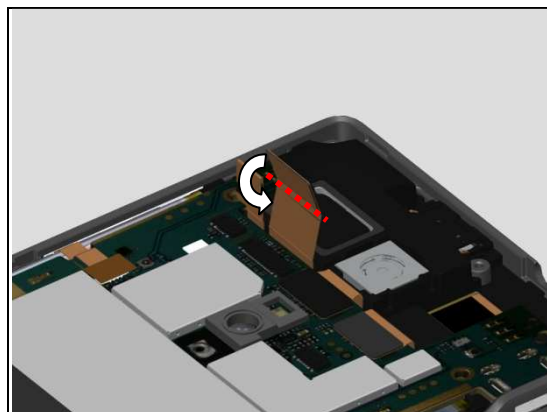
Press to snap the Chat Camera FPC BtB connector.



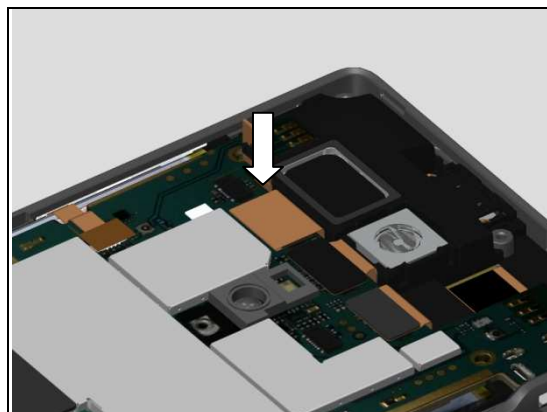
Press to snap the Main Camera FPC BtB connector.



Fold the Display BtB connector FPC as shown in picture when a new Display is used or the previous folding becomes loose.

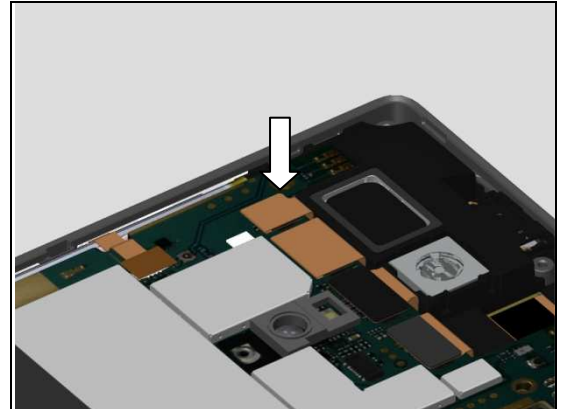


Press to snap the Display FPC BtB connector.



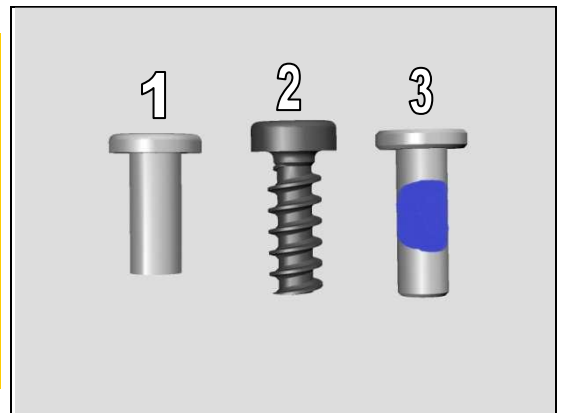
Reassembly

Press to snap the Touch Panel FPC BtB connector.

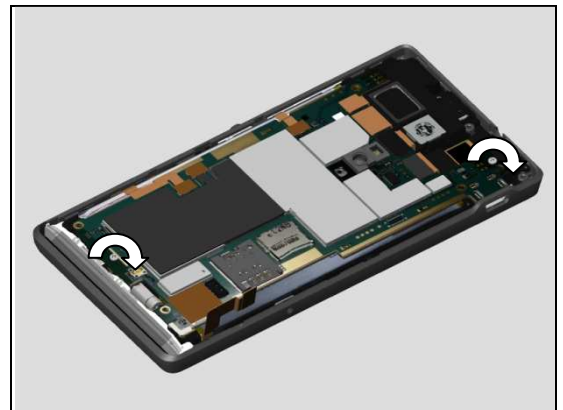


The difference between the Screw Len:3.25 Diam:1.4, Screw Len:3.8 Diam:1.4 and the Screw Len:4.0 Diam:1.4 listed below:

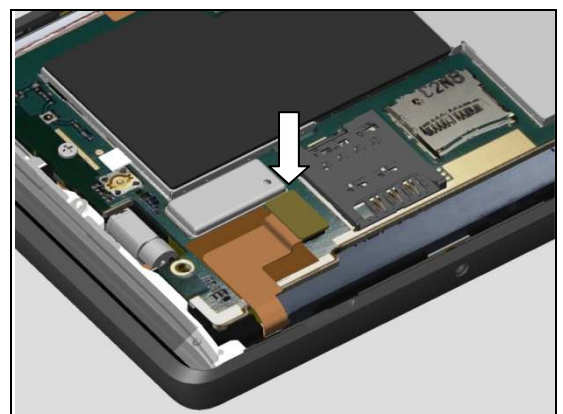
- 1. Screw Len:3.25 Diam:1.4 is shortest, 3.25mm long, and self-tapping screw.**
- 2. Screw Len:3.8 Diam:1.4 is 3.8mm long and self-tapping screw.**
- 3. Screw Len:4.0 Diam:1.4 is longest, 4.0mm long, and machine screw and the new one has blue painting on it.**



Apply 12Ncm±1Ncm torque when tightening the two Screw Len:3.25 Diam:1.4 with Bits (JCIS No 0).



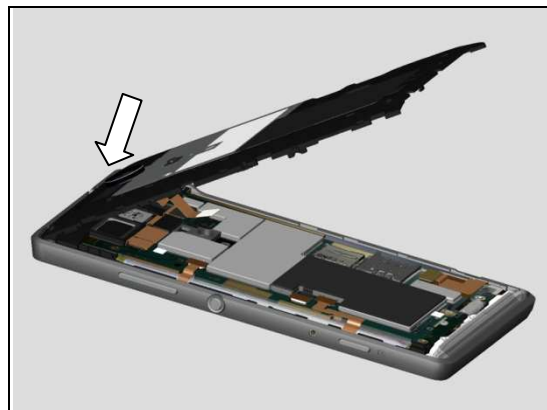
Press to snap the Battery Assy FPC BtB connector.



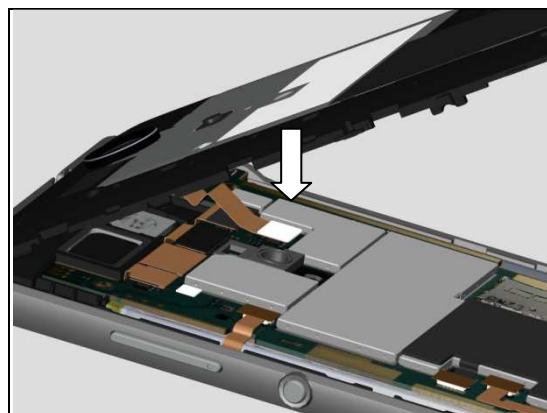
Reassembly

5.4 Ant Rear Cover Assy

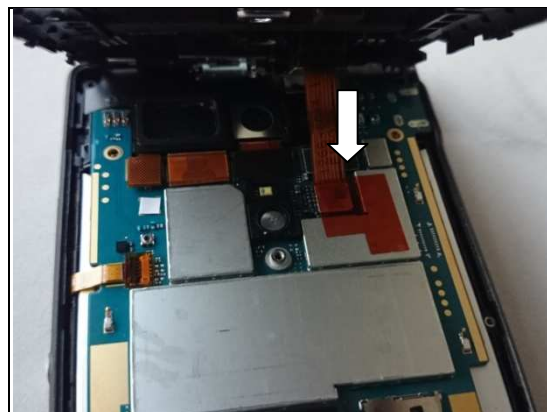
Place the Ant Rear Cover Assy as shown in picture.



Press to snap the Audio Jack FPC BtB connector.



Attach a new Foil Adhesive Audio Jack FPC Connector on the correct position.

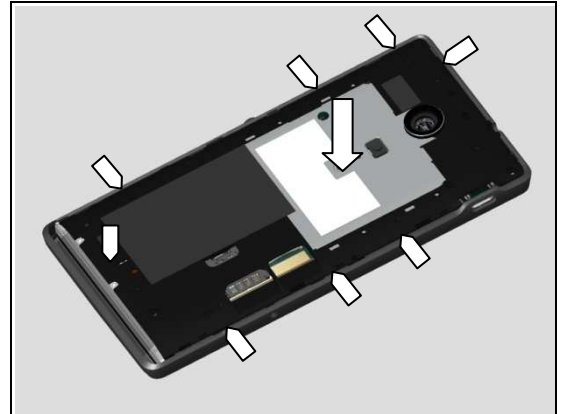


Rotate the Ant Rear Cover Assy as shown in picture.

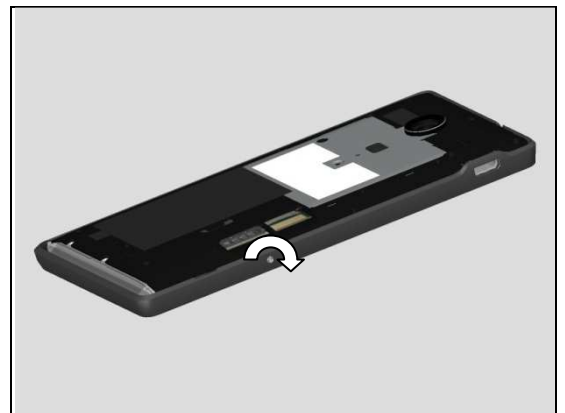


Reassembly

Press to snap the hooks as shown in picture.



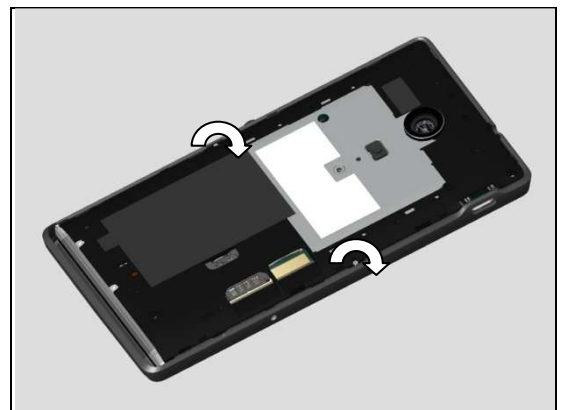
Apply $8\text{Ncm} \pm 1\text{Ncm}$ torque when tightening the Cosmetic Screw with Torx Bits T3.



Apply $8\text{Ncm} \pm 1\text{Ncm}$ torque when tightening the other Cosmetic Screw with Torx Bits T3.



Apply $2\text{Ncm} \pm 0.5\text{Ncm}$ torque when tightening the two Screw Len:2.1 Diam:1.0 with Bits (JCIS No 0).



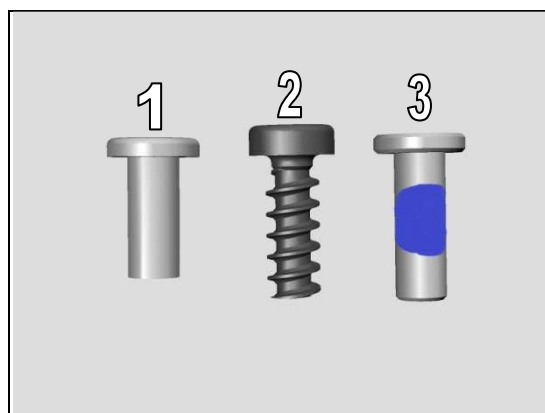
Reassembly

Apply $6\text{Ncm} \pm 0.5\text{Ncm}$ torque when tightening the Screw M1_4 with Bits (JCIS No 0).



The difference between the Screw Len:3.25 Diam:1.4, Screw Len:3.8 Diam:1.4 and the Screw Len:4.0 Diam:1.4 listed below:

1. Screw Len:3.25 Diam:1.4 is shortest, 3.25mm long, and self-tapping screw.
2. Screw Len:3.8 Diam:1.4 is 3.8mm long and self-tapping screw.
3. Screw Len:4.0 Diam:1.4 is longest, 4.0mm long, and machine screw and the new one has blue painting on it.



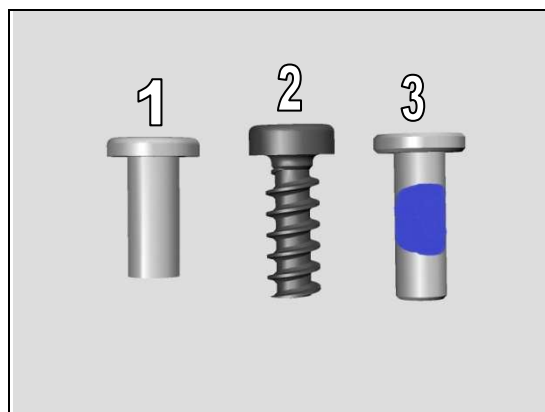
Apply $11\text{Ncm} \pm 1\text{Ncm}$ torque when tightening the two Screw Len:3.25 Diam:1.4 with Bits (JCIS No 0).

Be aware of change of torque pressure for the Screw Len:3.25 Diam:1.4!



The difference between the Screw Len:3.25 Diam:1.4, Screw Len:3.8 Diam:1.4 and the Screw Len:4.0 Diam:1.4 listed below:

1. Screw Len:3.25 Diam:1.4 is shortest, 3.25mm long, and self-tapping screw.
2. Screw Len:3.8 Diam:1.4 is 3.8mm long and self-tapping screw.
3. Screw Len:4.0 Diam:1.4 is longest, 4.0mm long, and machine screw and the new one has blue painting on it.



Reassembly

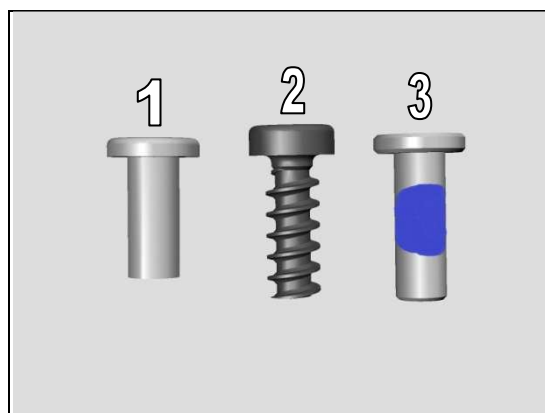
Apply 8.2Ncm torque when tightening the Screw Len:3.8 Diam:1.4 with Bits (JCIS No 0).

Be careful! You can first set torque of screwdriver as 8Ncm, then if there is still a small gap, very carefully and slowly tighten further by manual until you feel the screw is tightened.



The difference between the Screw Len:3.25 Diam:1.4, Screw Len:3.8 Diam:1.4 and the Screw Len:4.0 Diam:1.4 listed below:

- 1. Screw Len:3.25 Diam:1.4 is shortest, 3.25mm long, and self-tapping screw.**
- 2. Screw Len:3.8 Diam:1.4 is 3.8mm long and self-tapping screw.**
- 3. Screw Len:4.0 Diam:1.4 is longest, 4.0mm long, and machine screw and the new one has blue painting on it.**

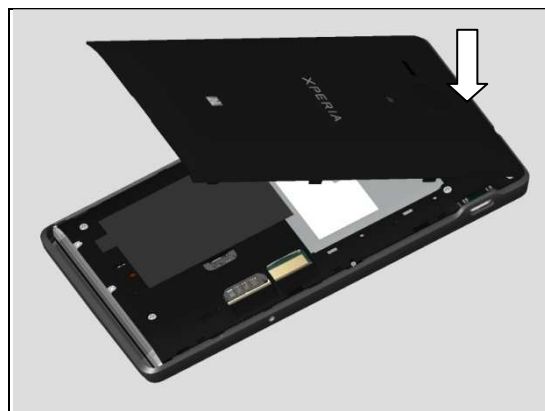


Apply 8Ncm±1Ncm torque when tightening the four Screw Len:4.0 Diam:1.4 with Bits (JCIS No 0).



5.5 Cover Battery Assy

Place the Cover Battery Assy onto its proper position as shown in picture to lock the two hooks on the top side.

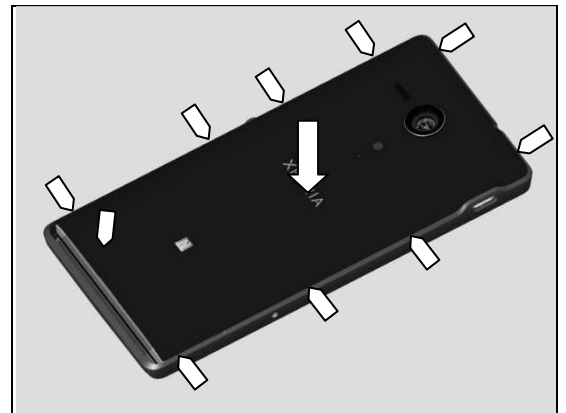


Reassembly

Rotate the Cover Battery Assy as show in picture.



Press to snap the hooks as shown in picture.



6 Revision History

| Rev. | Date | Changes / Comments |
|------|--------------|---|
| 1 | 2013-Apr-19 | Initial release |
| 2 | 2013-Apr-19 | Add note of "Touch Panel Calibration must be performed for all replaced units; 1257-2706 Trouble Shooting Application – mechanical." In chapter 4.17. Delete above note in chapter 4.38 |
| 3 | 2013-Apr-27 | Add chapter 6. Add note in chapter 4.6. Update chapter 4.9 installation. Update chapter 4.11 removal. Modify the note of chapter 4.20 and 4.21 removal. Replace "Proximity Sensor Calibration/White_Black set" with "Proximity Sensor Calibration/Black_not Black set" in the document. Add instruction of folding the Display BtB connector FPC in reassembly. Add instruction of folding Touch Panel BtB connector FPC in chapter 4.7. |
| 4 | 2013-May-16 | Update the document since M35c is added. |
| 5 | 2013-Jun-19 | Added information of Foil Adhesive SIM label_CDMA. |
| 6 | 2013-Sept-09 | Update the document since M35t is added. |
| 7 | 2013-Dec-26 | Update chapters related to Foil Adhesive Audio Jack FPC Connector. |
| 8 | 2014-Feb-15 | Replace "Proximity Sensor Calibration/Black_not Black set" with "Proximity Sensor Calibration" in the document. Update document since 1281-0042 Screw Len:3.8 Diam:1.4 is added. |
| 9 | 2014-Feb-11 | Added chapter 4.47 Cap Rubber P-sensor. |