

Nokia Lumia 1320

RM-994 LTE Global
RM-995 LTE Americas
RM-996 HSPA+ China/Vietnam

Key features

- 6.0" IPS LCD display with 720p HD resolution
- 1.7 GHz dual-core CPU
- 1 GB RAM
- 8 GB internal memory
- MicroSD card support up to 64 GB

Version 1.0

Check the repair policy before performing any mechanical repair on Service Level 1&2!

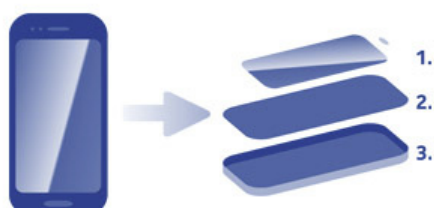


Exploded view



More >

Disassembly steps



More >

Disassembly video



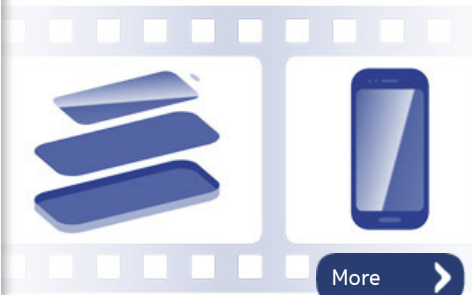
More >

Assembly steps



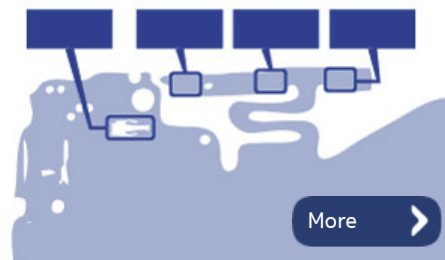
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Assembly video



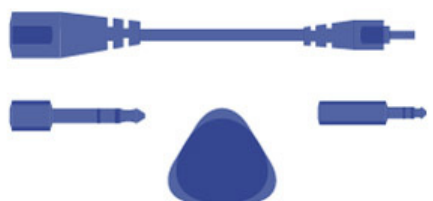
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Solder components



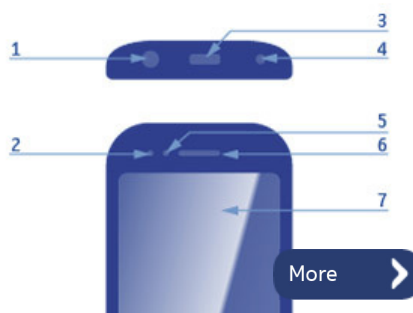
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Service devices



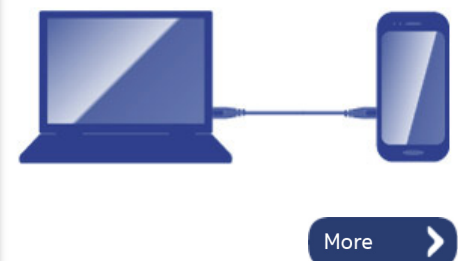
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Product controls and interfaces



More >

Service concept



More >

Phone reset

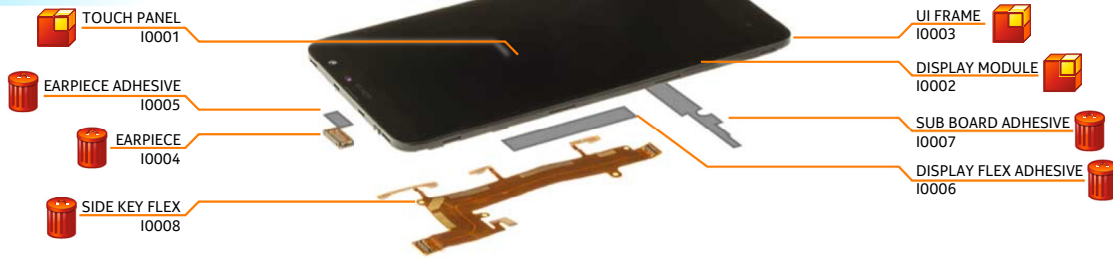


More >

Version	Date	Description
1.0	16.12.2013	First published version

A1

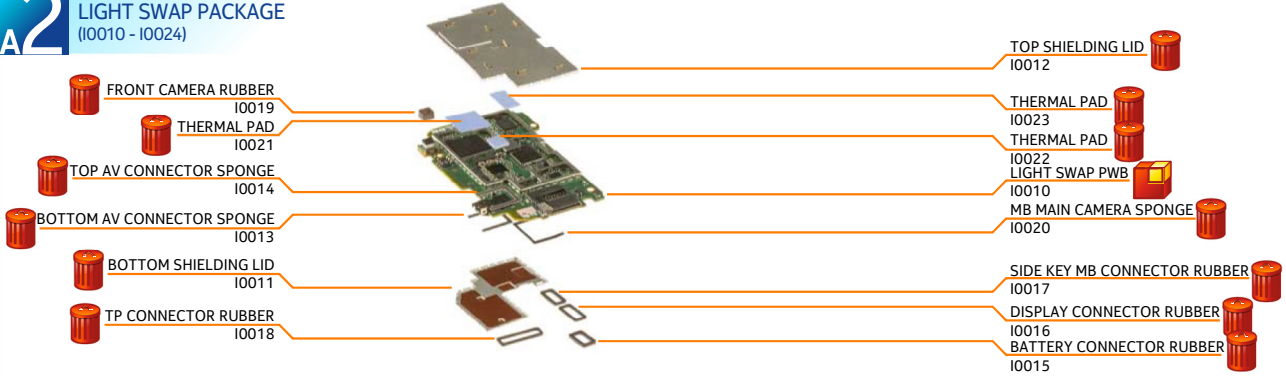
A-COVER ASSEMBLY (I0001 - I0008)



ALS/PROX SENSOR
I0009

A2

LIGHT SWAP PACKAGE (I0010 - I0024)



SCREW
I0027
MAIN CAMERA
I0025
MAIN CAMERA SPONGE
I0026
B2B BRACKET
I0028
RF CABLE
I0032
LONG BATTERY ADHESIVE
I0029
SHORT BATTERY ADHESIVE
I0030

BATTERY
I0031

SUB BOARD PWB
I0038
IHF SPEAKER
I0037
VIBRA
I0036


A3


D-COVER ASSEMBLY (I0033 - I0035)



SCREW
I0039

BATTERY COVER
I0040

 Only available
as assembly

 Not reusable
after removal

 Repair/swap
only in level 3



1) For disassembling you need the Nokia Standard toolkit version 2. You will also need the SS-231 rf connector disassembly/assembly tool and the SS-305 camera removal tool.



2) Protect the TOUCH PANEL with protective tape.



3) Push the BATTERY COVER from the shown corner to open it.



4) Remove the BATTERY COVER.



5) Unscrew the eleven Torx+ size 5 screws in the order shown. Do not use them again. Discard them.



6) Slide the SRT-6 to direction shown to release the top end of the D-COVER.



7) Open the left side of the D-COVER by sliding the SRT-6 to direction shown.



8) The bottom end of the D-COVER can be released by sliding the SRT-6 from both corners towards the USB connector as shown.



9) The D-COVER can now be separated.



10) Use the dental tool to lift up the IHF SPEAKER.

Be careful not to injure yourself with the sharp end of the dental tool!



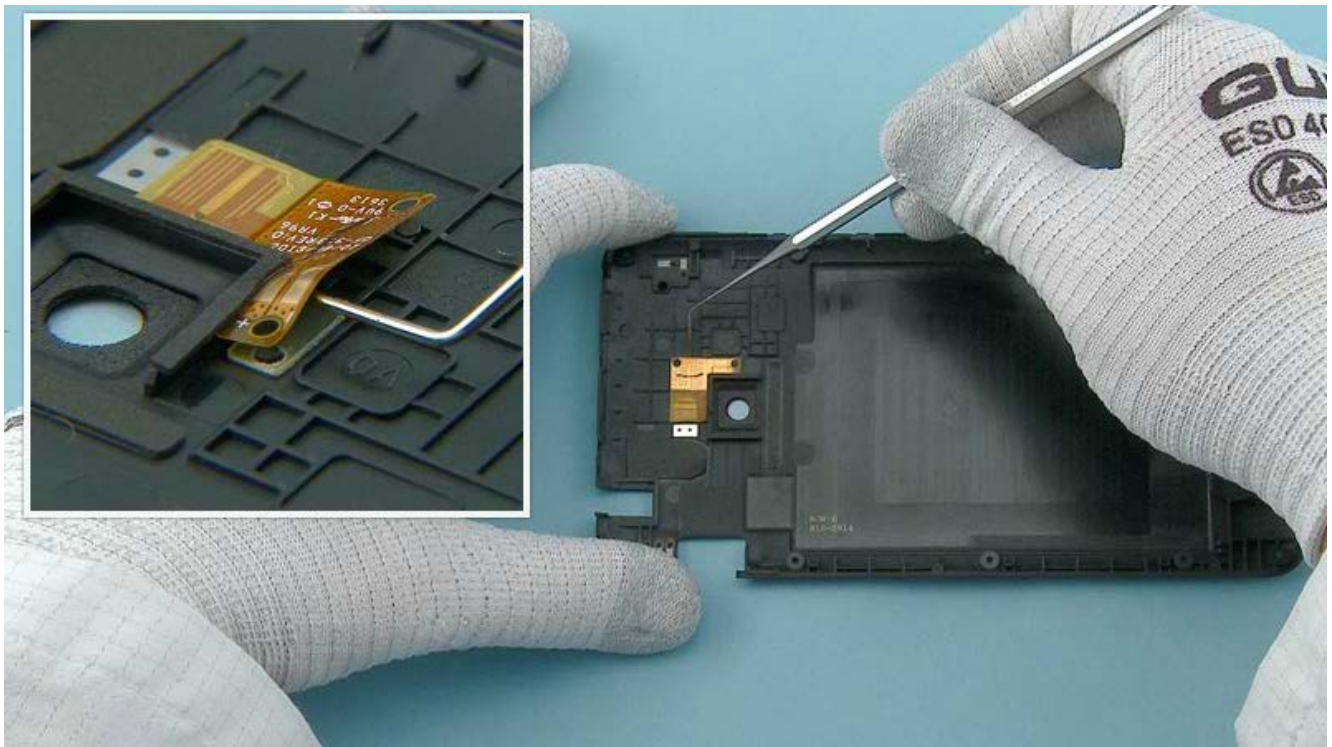
11) Remove the IHF SPEAKER. Remove the adhesive remains from the IHF SPEAKER and discard them.



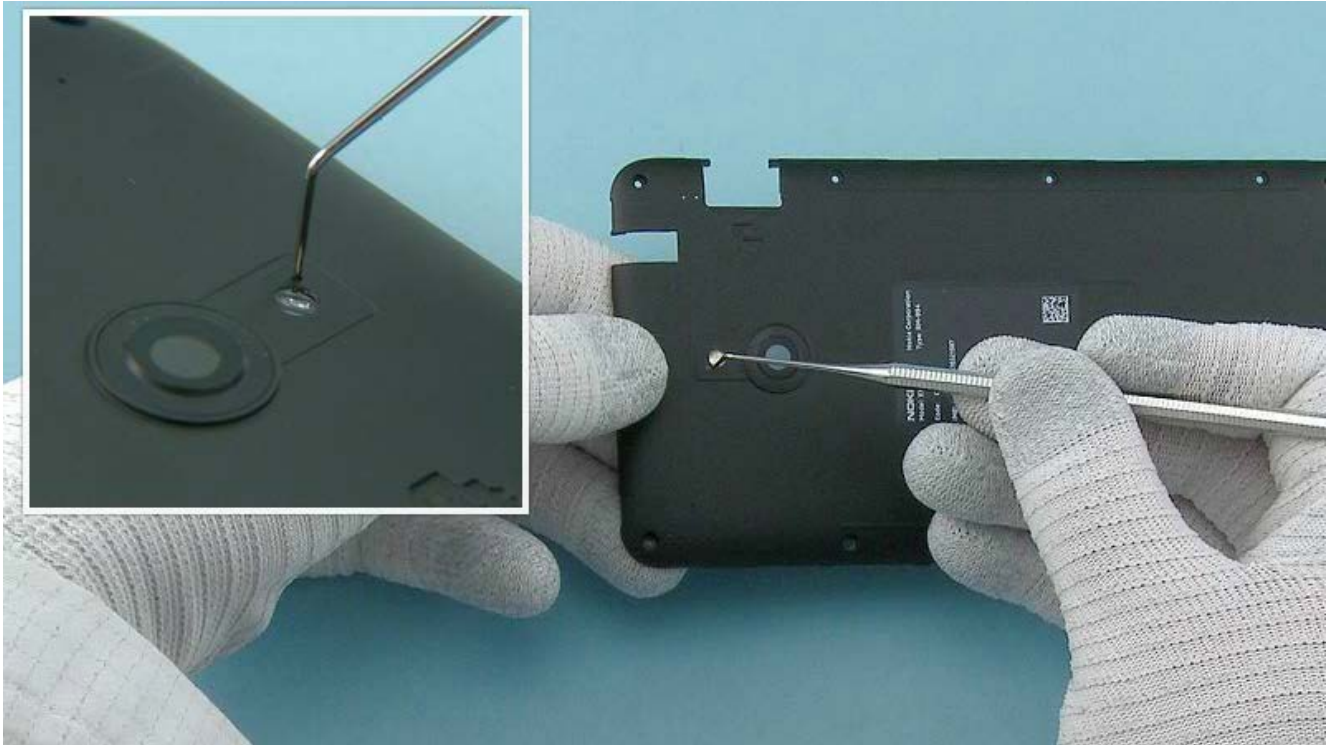
12) Use the dental tool to remove the IHF SPEAKER ADHESIVE from the D-COVER. Discard the IHF SPEAKER ADHESIVE.



13) Release the VIBRA with the dental tool. Remove the VIBRA.



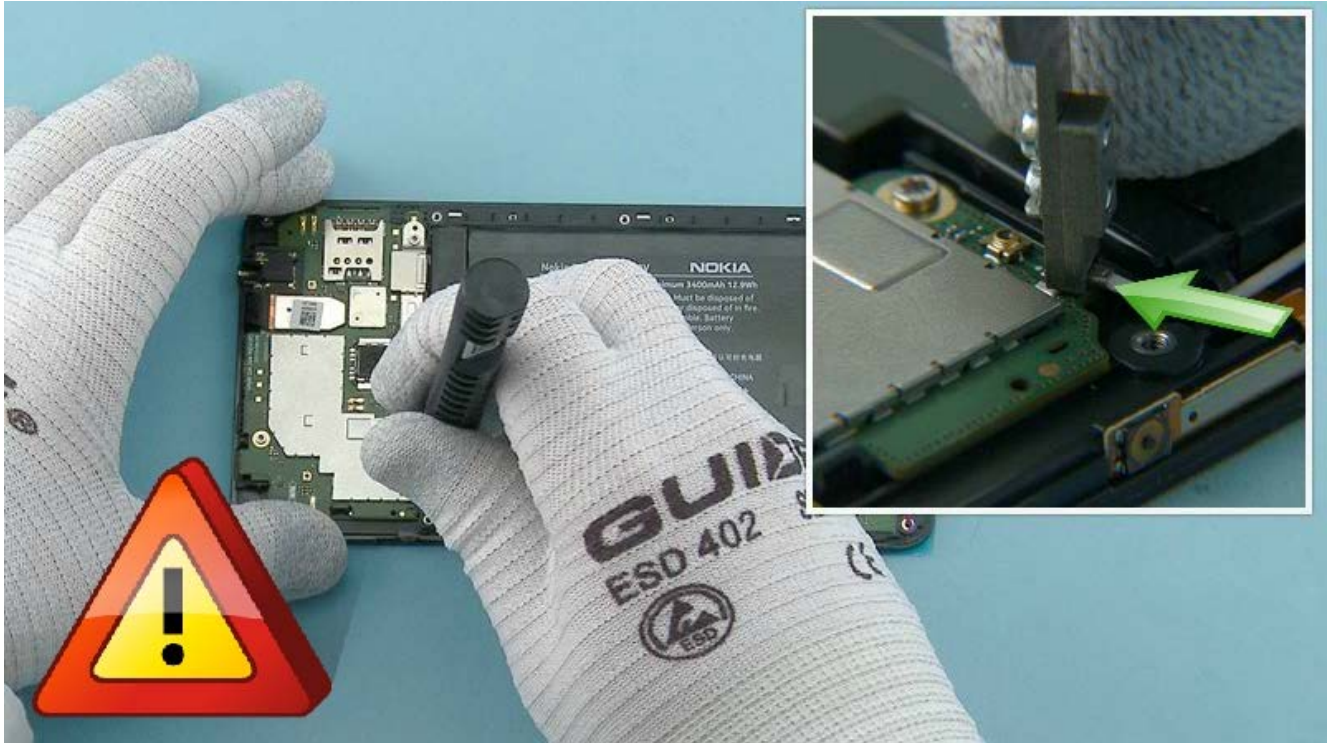
14) Release the FLASH LED FLEX with the dental tool.



15) Push from the shown hole with the dental tool to release the FLASH LED FLEX.

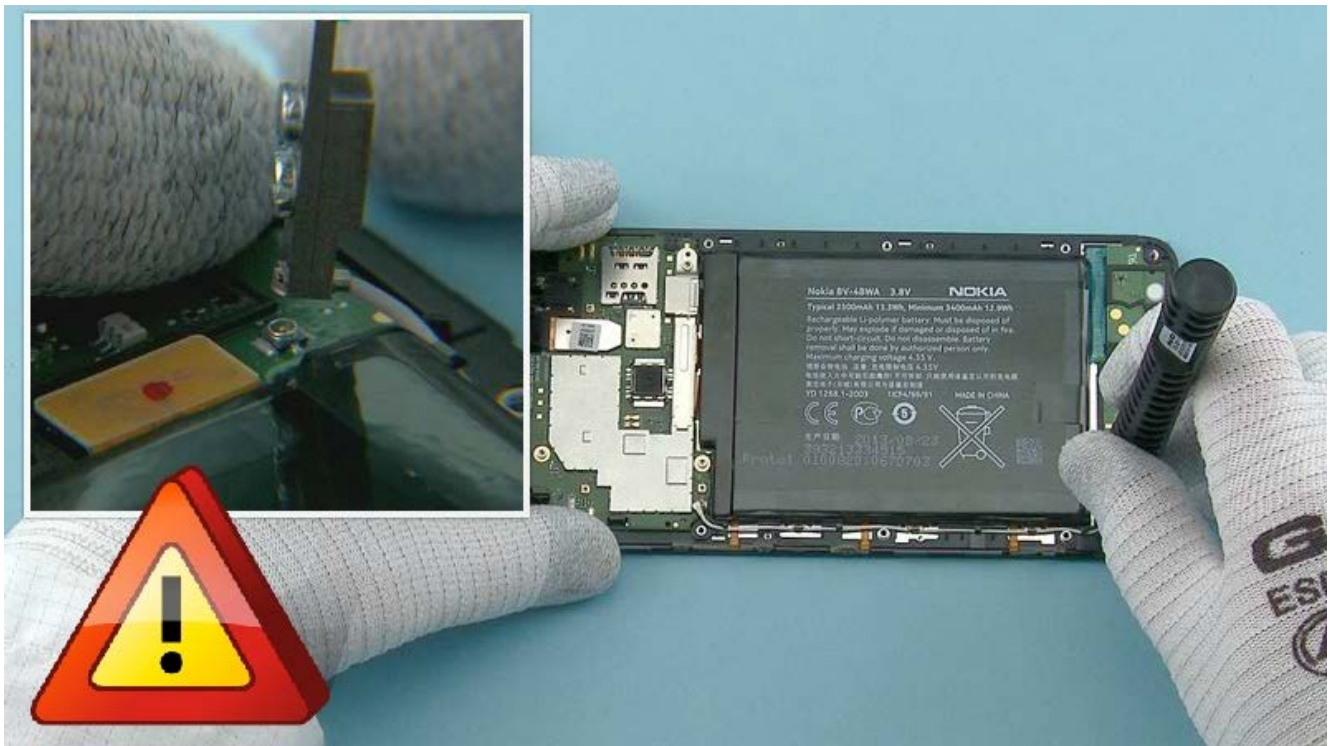


16) Remove the FLASH LED FLEX. Do not use it again. Discard it.



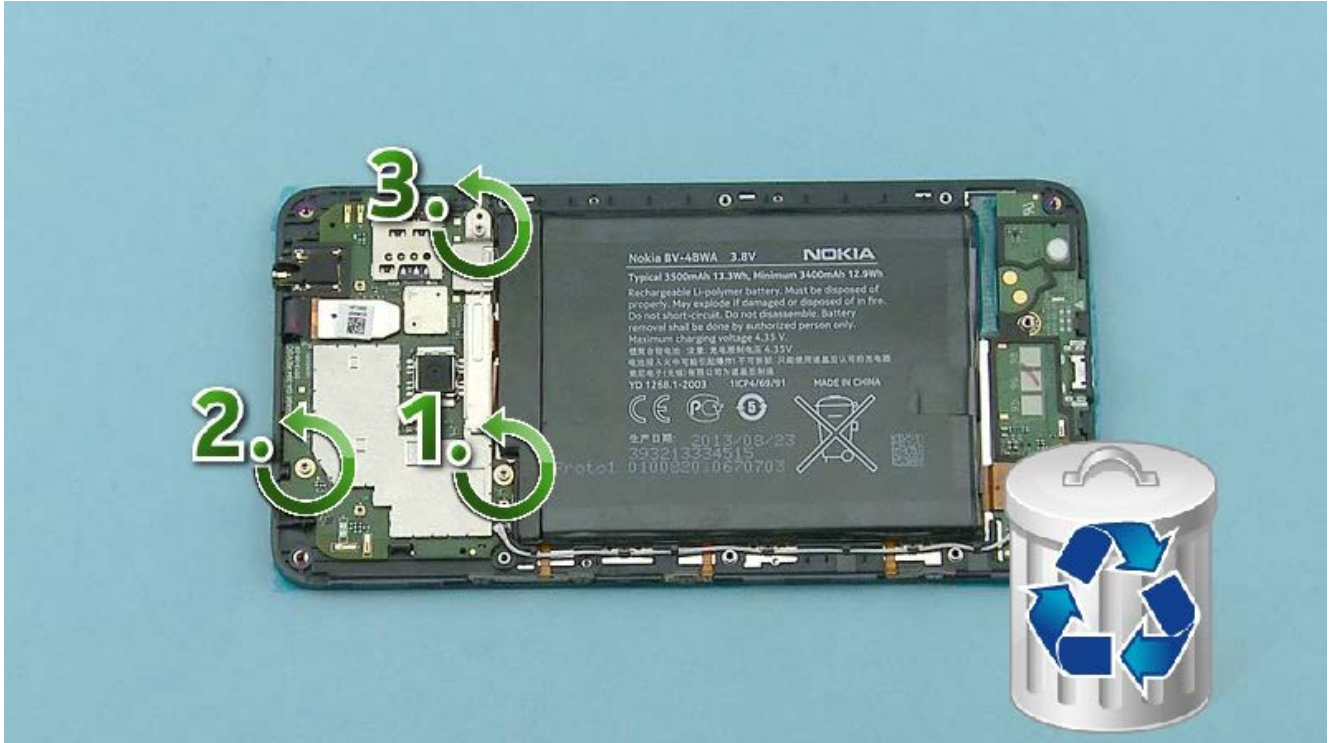
17) Use the SS-231 to open the RF CABLE connector. Place the SS-231 on top of the cable and slide it to the direction shown to lock it to the cable connector. Lift up the SS-231 to open the connector.

Be careful not to damage the connector or any components nearby!

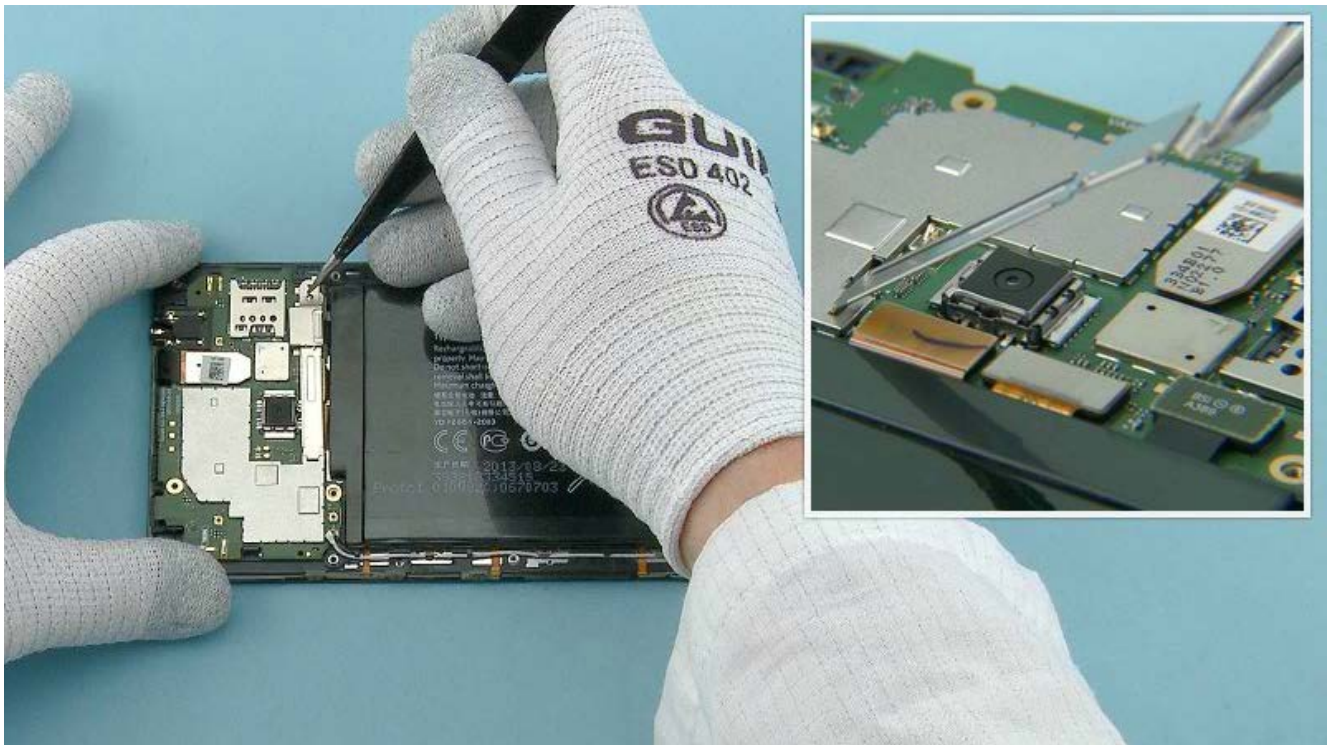


18) Open also the other end of the RF CABLE with the SS-231.

Be careful not to damage the connector or any components nearby!



19) Unscrew the three Torx+ size 5 screws in the order shown. Do not use them again. Discard them.

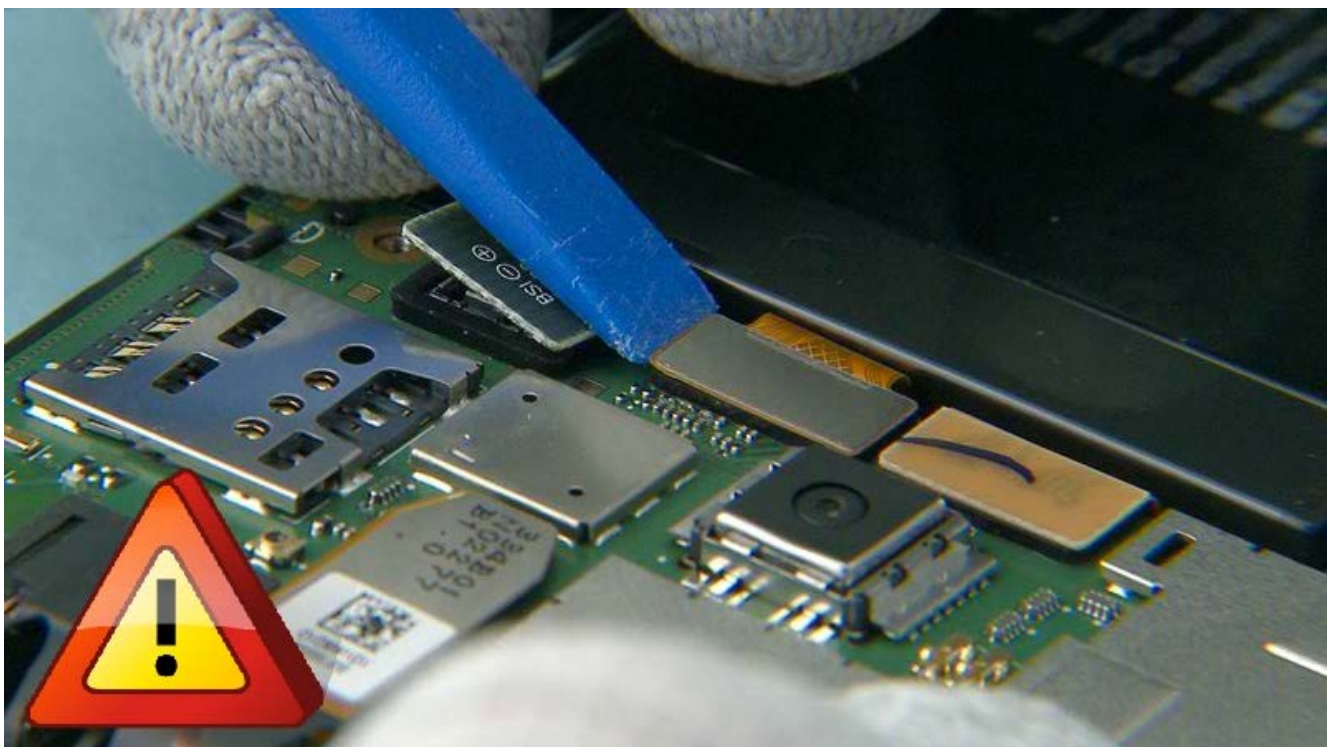


20) Lift up the B2B BRACKET and remove it.



21) Use the SS-93 to open the BATTERY CONNECTOR.

Be careful not to damage the connector or any components nearby!



22) Use the SS-93 to open the SIDE KEY FLEX connector.

Be careful not to damage the connector or any components nearby!



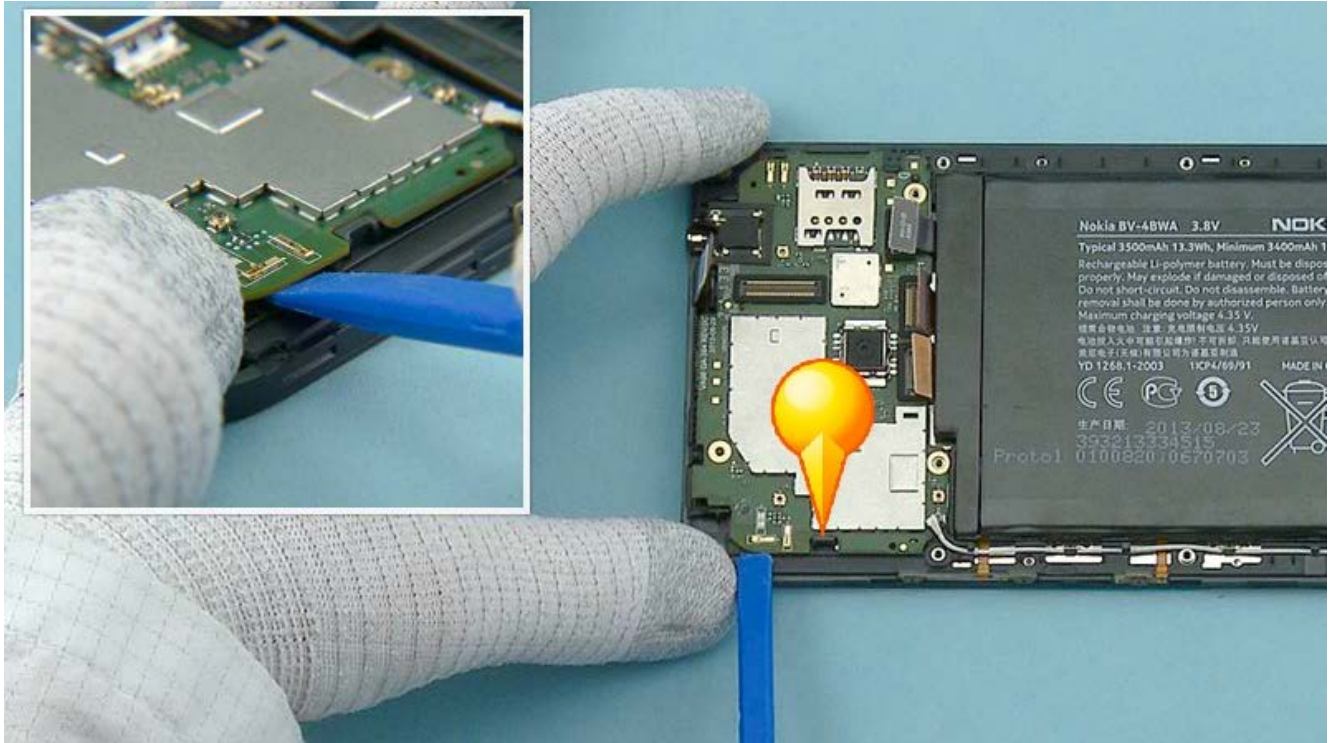
23) Use the SS-93 to open the DISPLAY connector.

Be careful not to damage the connector or any components nearby!



24) Use the SS-93 to open the TOUCH FLEX connector.

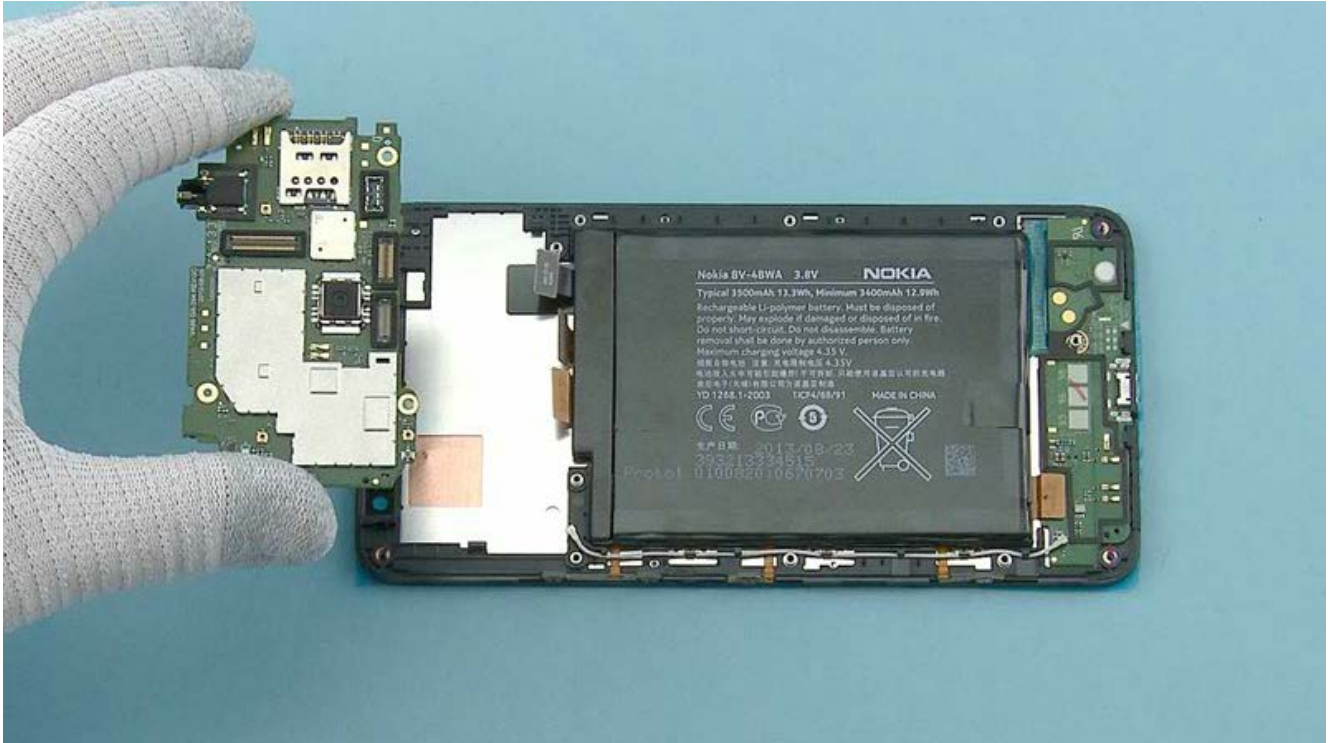
Be careful not to damage the connector or any components nearby!



25) Use the SS-93 to release the ENGINE BOARD from the shown hook holding it.



26) Release also the second hook holding the ENGINE BOARD.



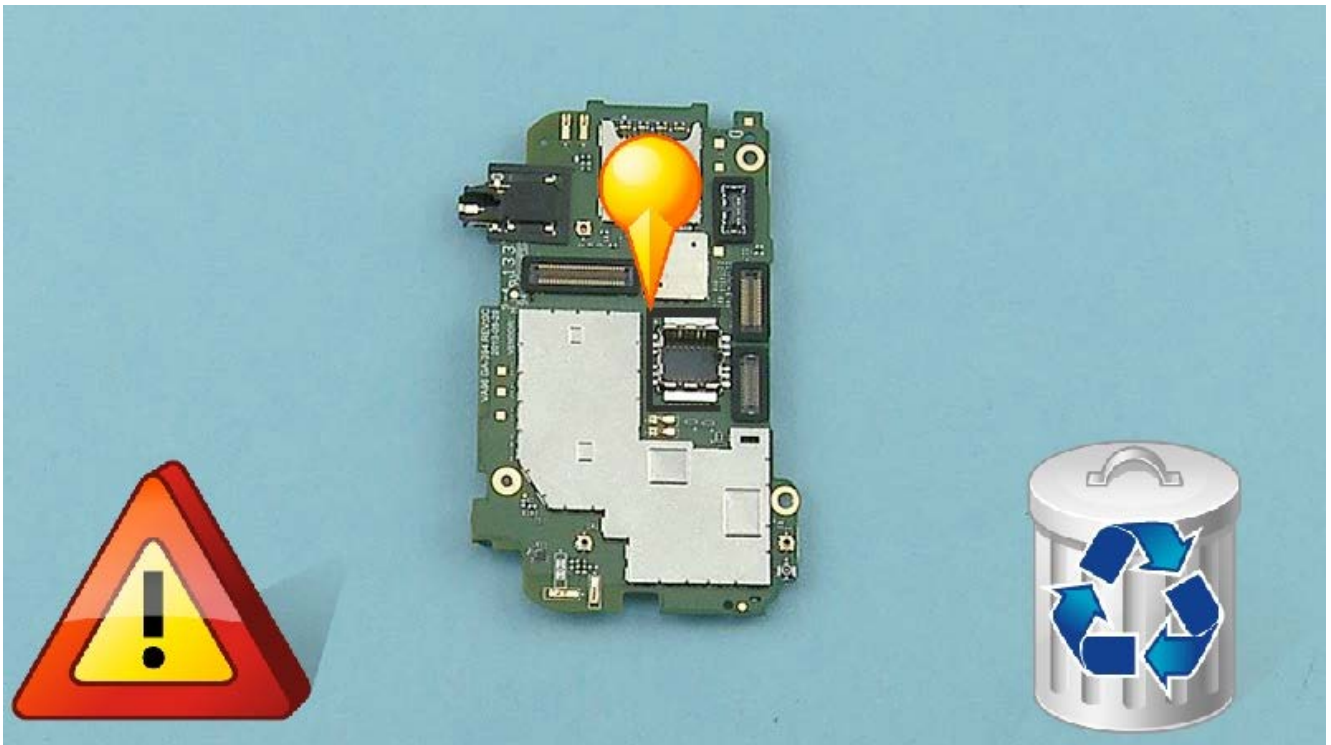
27) The ENGINE BOARD can now be separated.



28) Use the SS-305 tool to release the CAMERA.

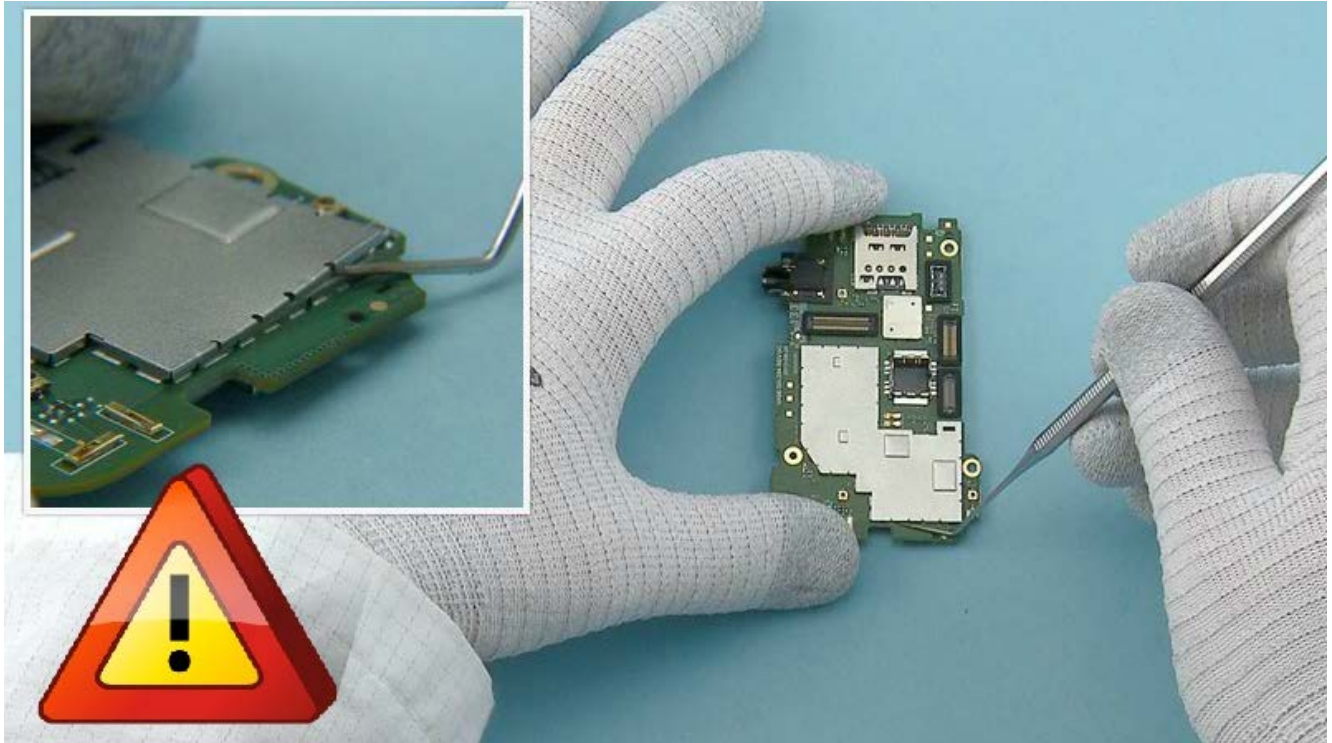


29) Remove the CAMERA.



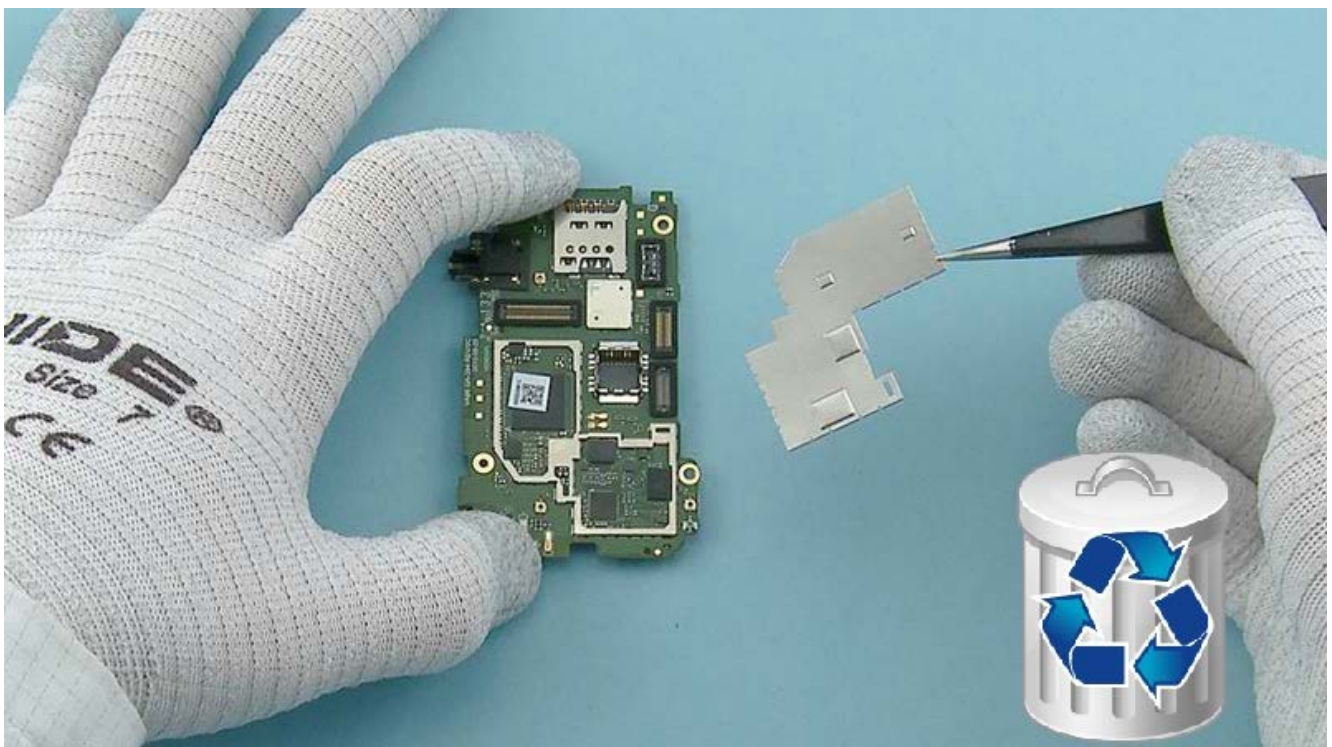
30) Use the dental tool to remove the shown MAIN BOARD MAIN CAMERA SPONGE. Do not use it again. Discard it.

Be careful not to damage the ENGINE BOARD!

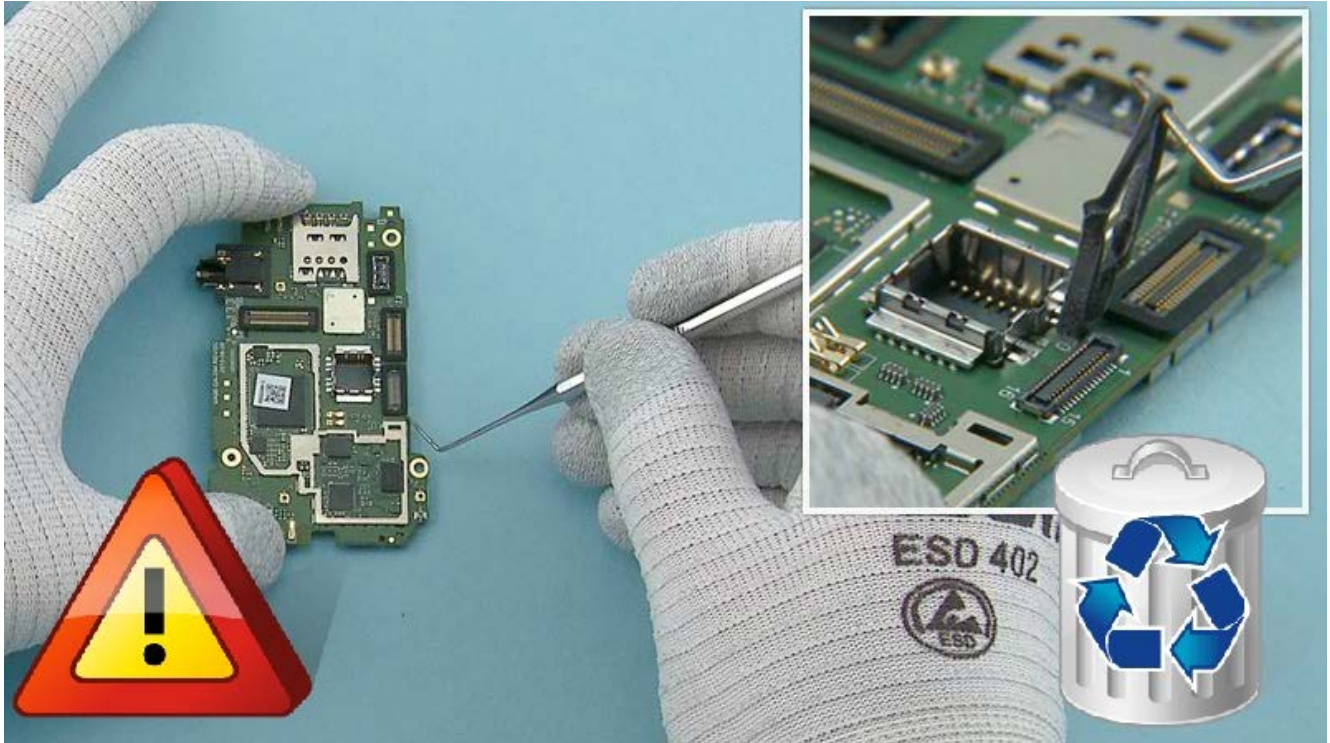


31) Lever out the BOTTOM SHIELDING LID from all sides with the dental tool.

Be careful not to damage the ENGINE BOARD!



32) Remove and discard the BOTTOM SHIELDING LID.

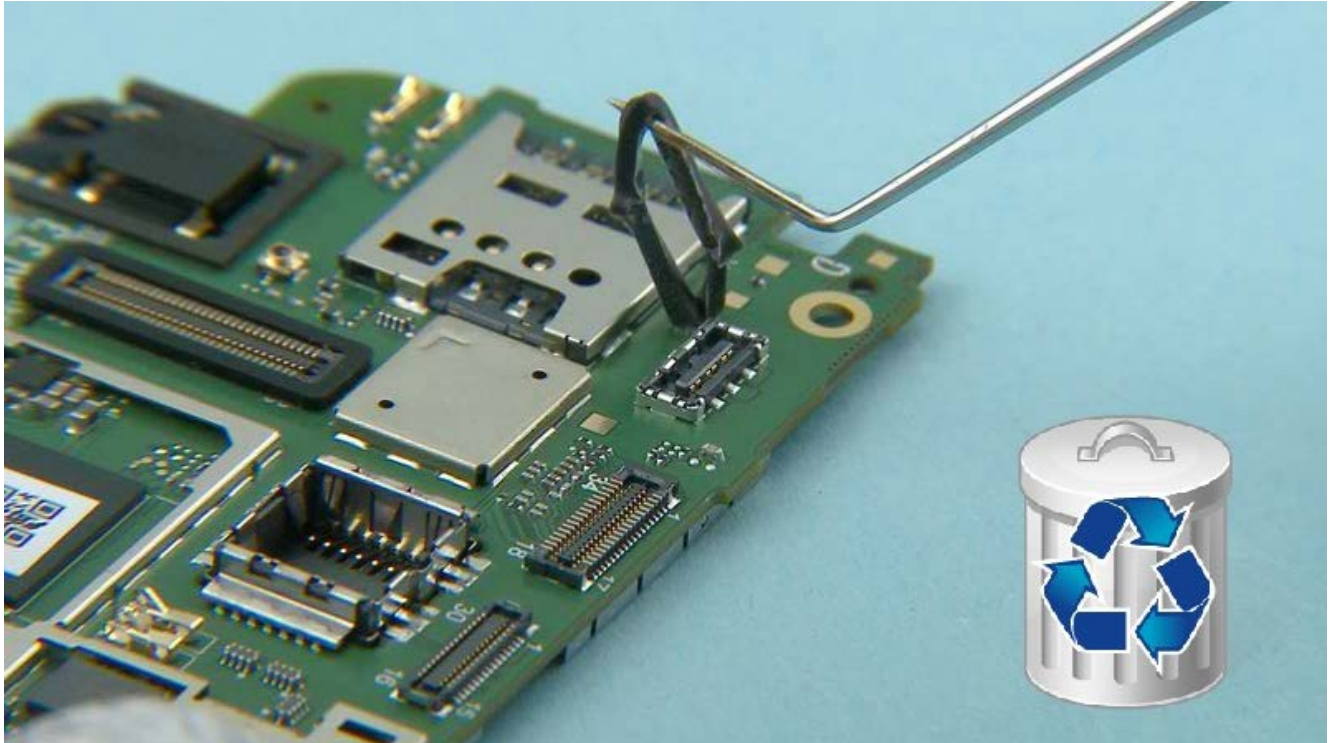


33) Release and remove the SIDE KEY connector rubber with the dental tool. Do not use it again. Discard it.

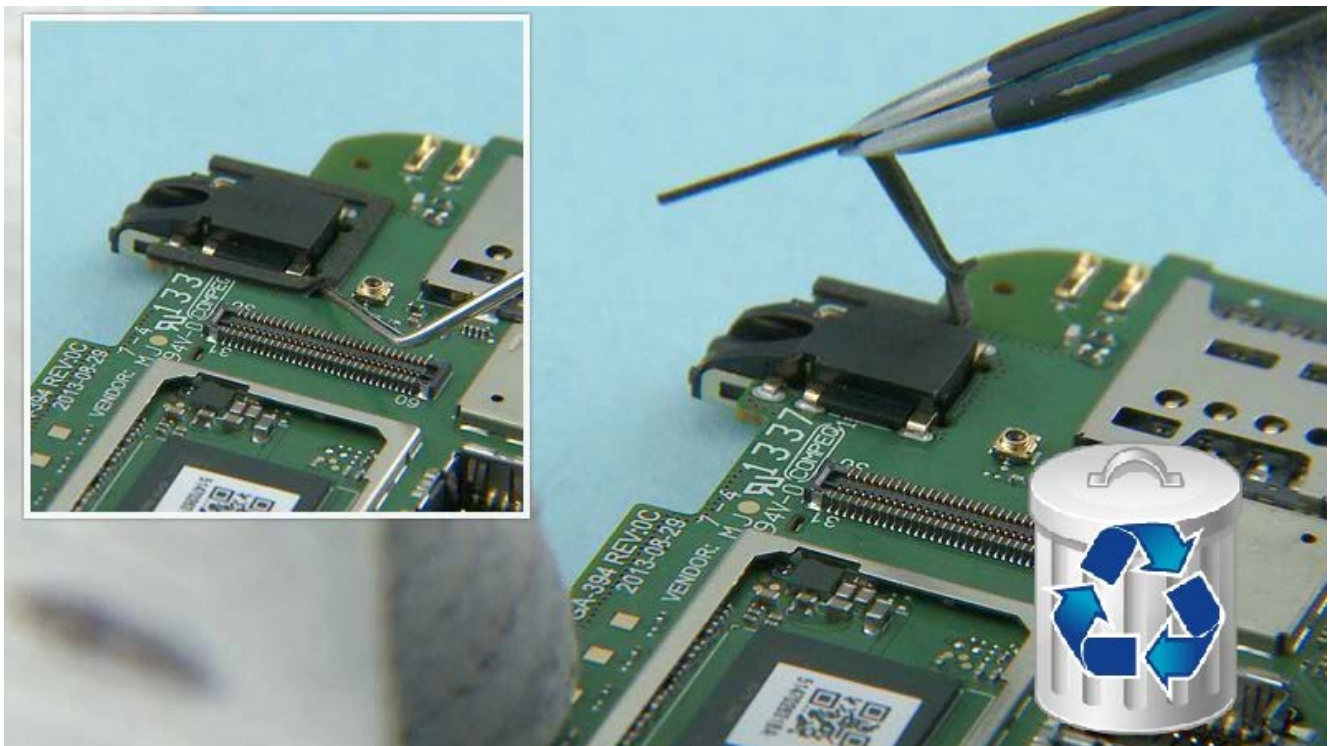
When releasing the rubbers, be careful not to damage the ENGINE BOARD!



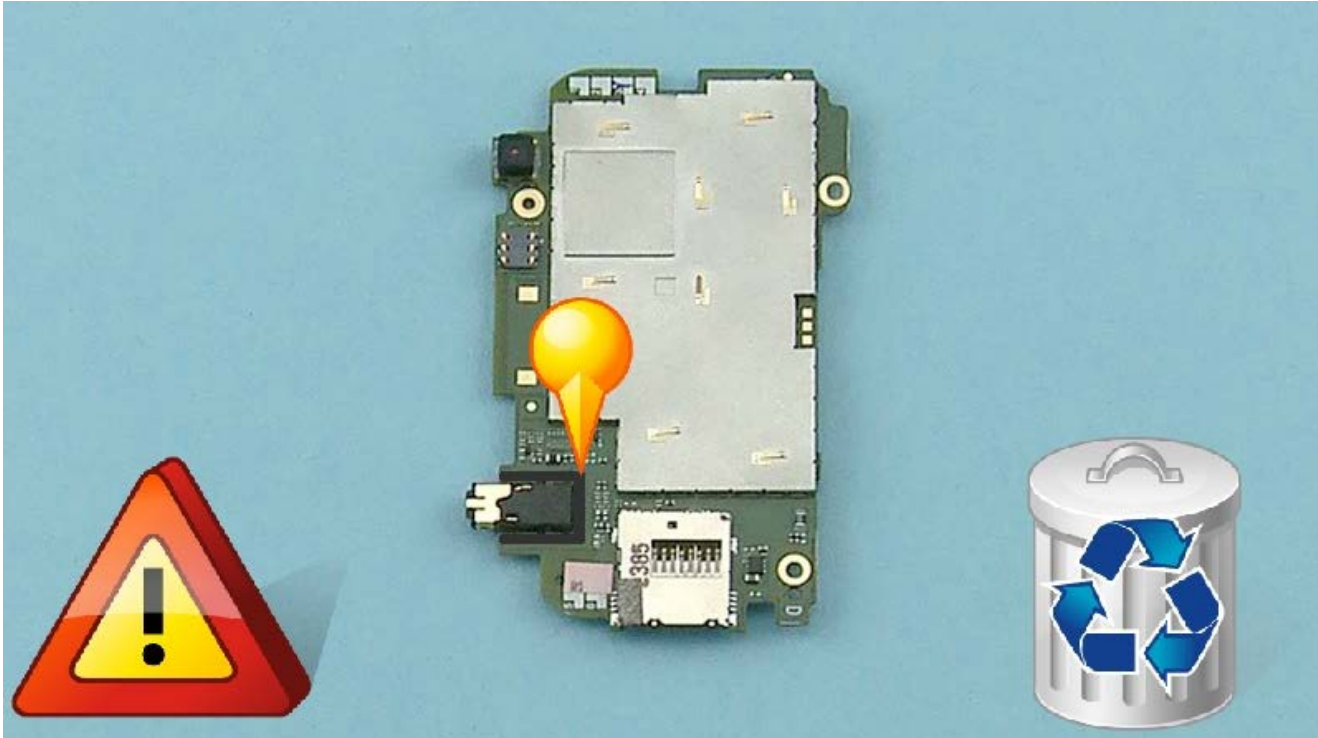
34) Release and remove the BATTERY connector rubber with the dental tool. Do not use it again. Discard it.



35) Release and remove the TOUCH PANEL connector rubber with the dental tool. Do not use it again. Discard it.

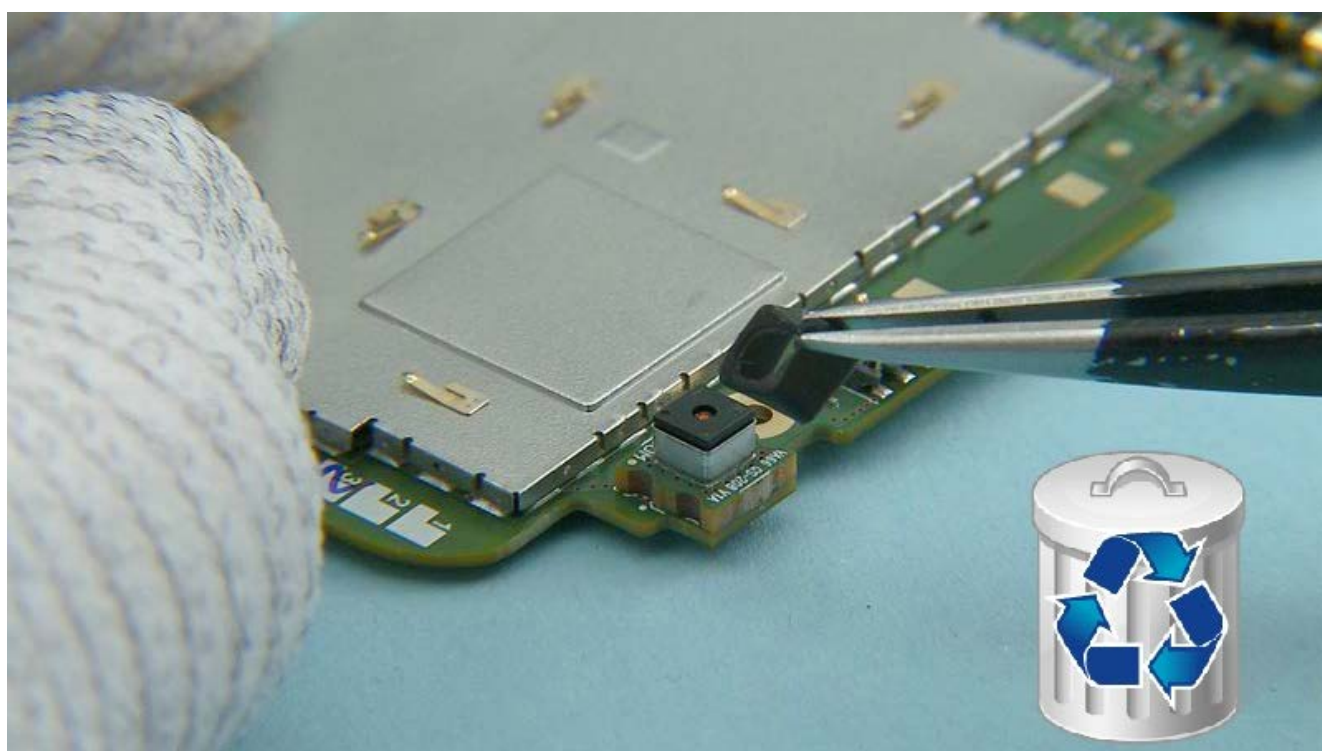


36) Release the BOTTOM AV CONNECTOR SPONGE with the dental tool. Do not use it again. Discard it.

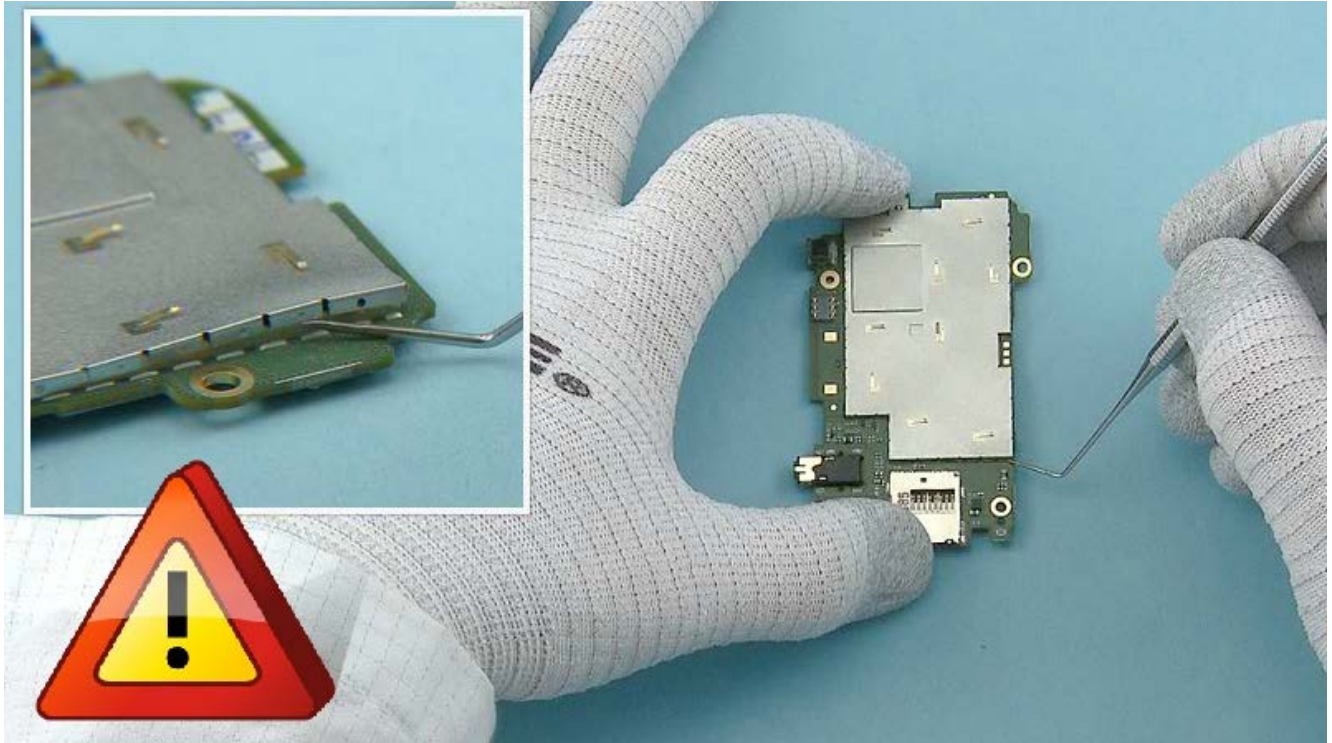


37) Use the dental tool to remove the shown TOP AV CONNECTOR SPONGE. Do not use it again. Discard it.

Be careful not to damage the ENGINE BOARD!

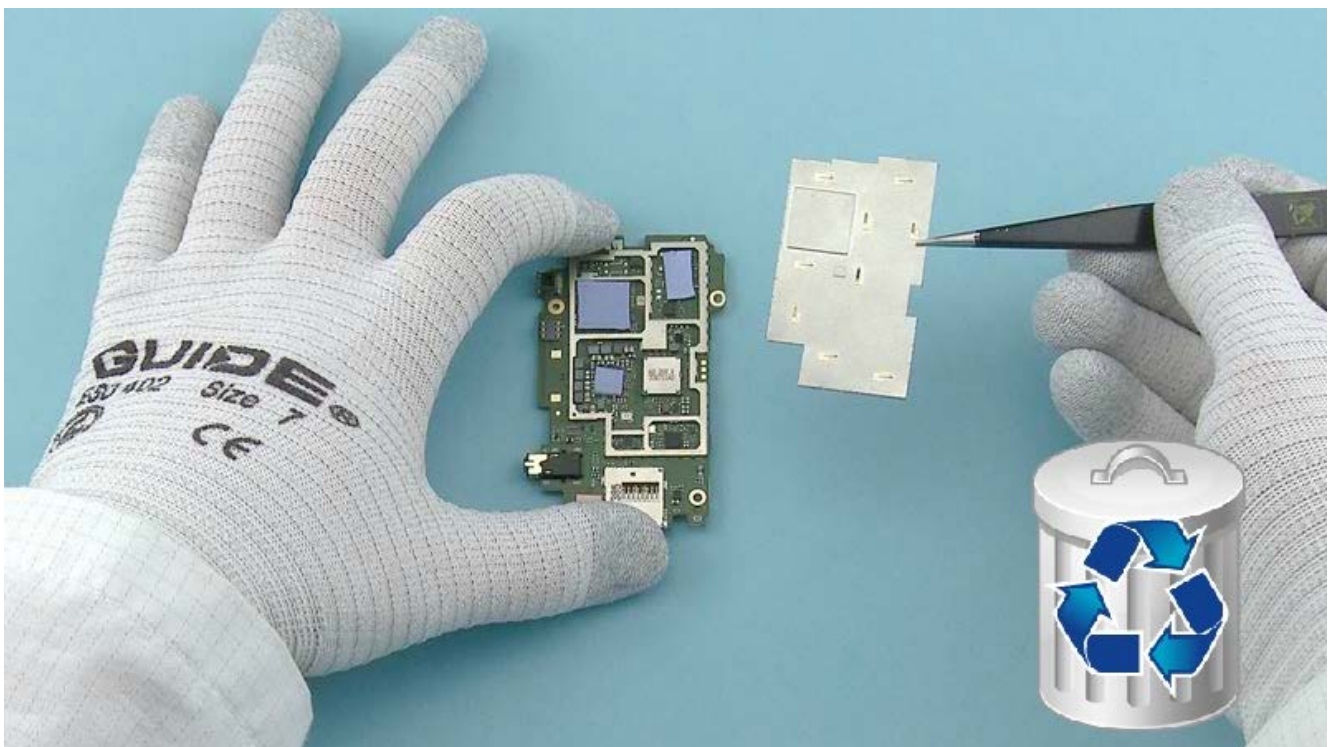


38) Remove and discard the FRONT CAMERA RUBBER.

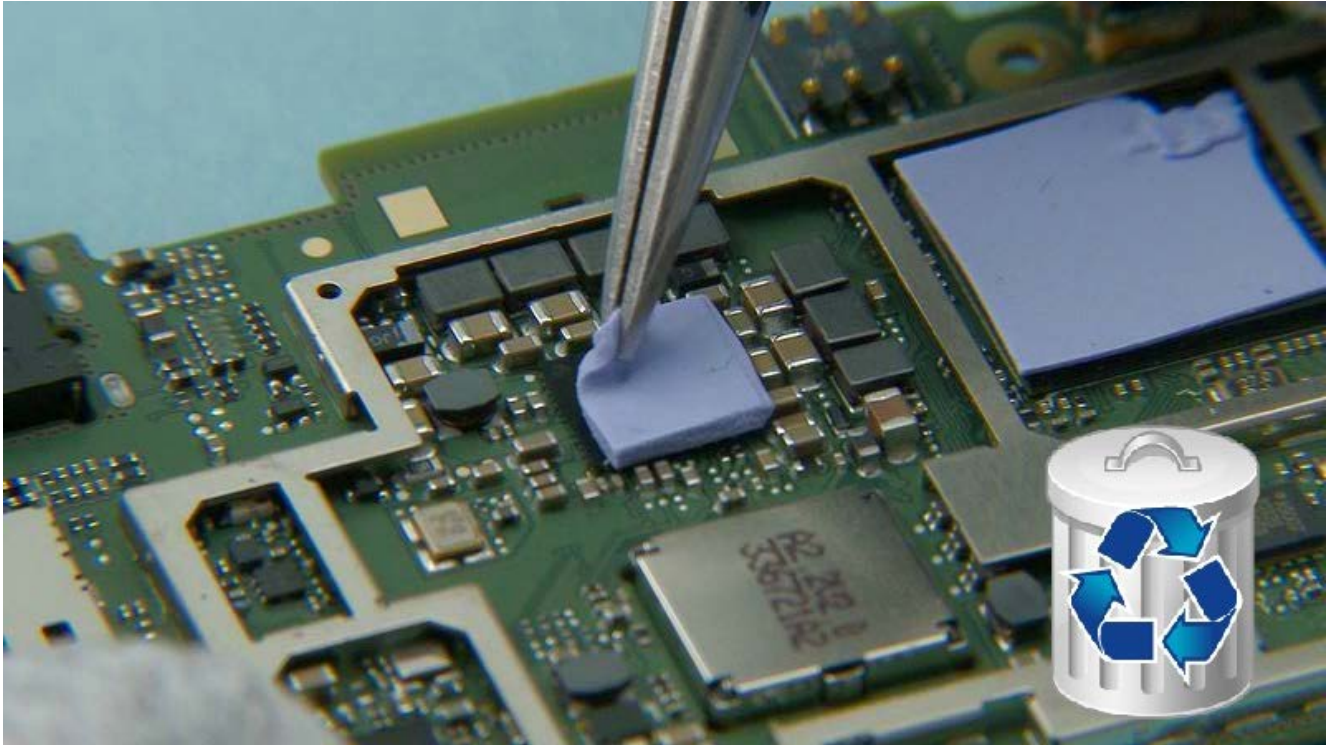


39) Lever out the TOP SHIELDING LID from all sides with the dental tool.

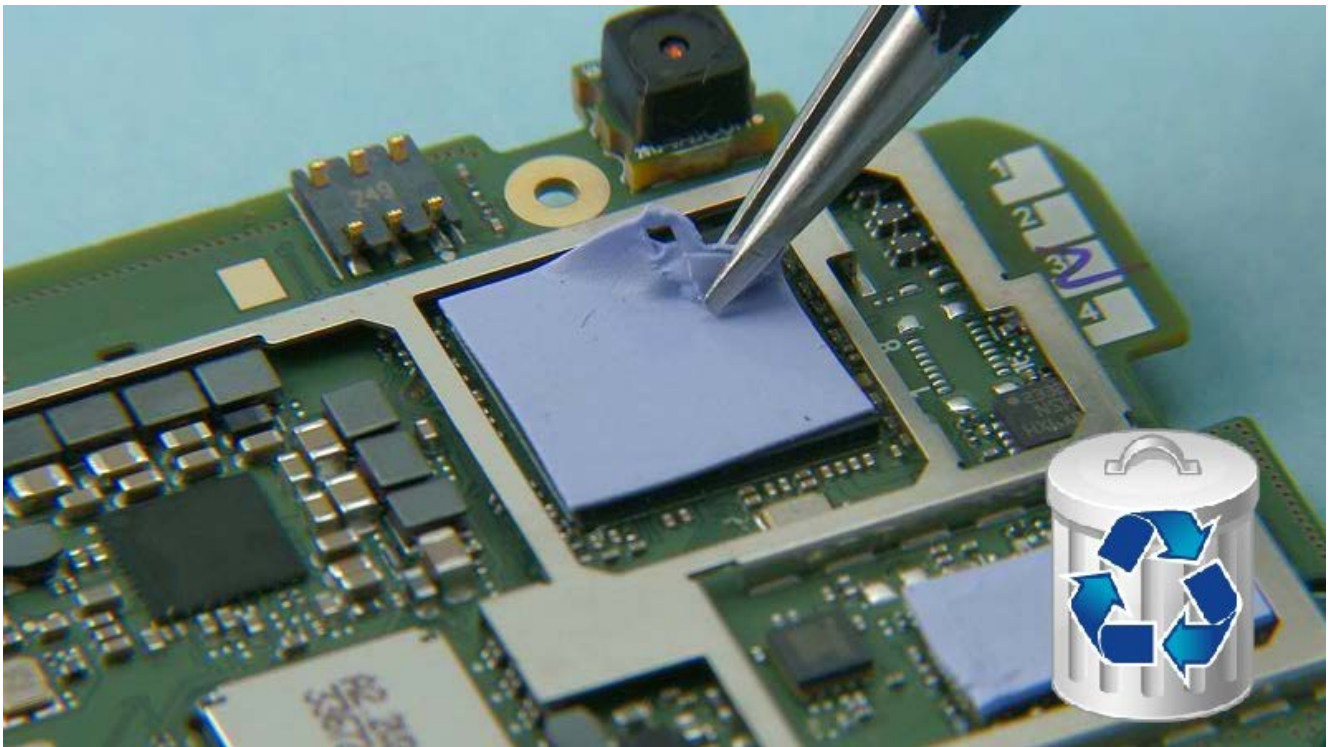
Be careful not to damage the ENGINE BOARD!



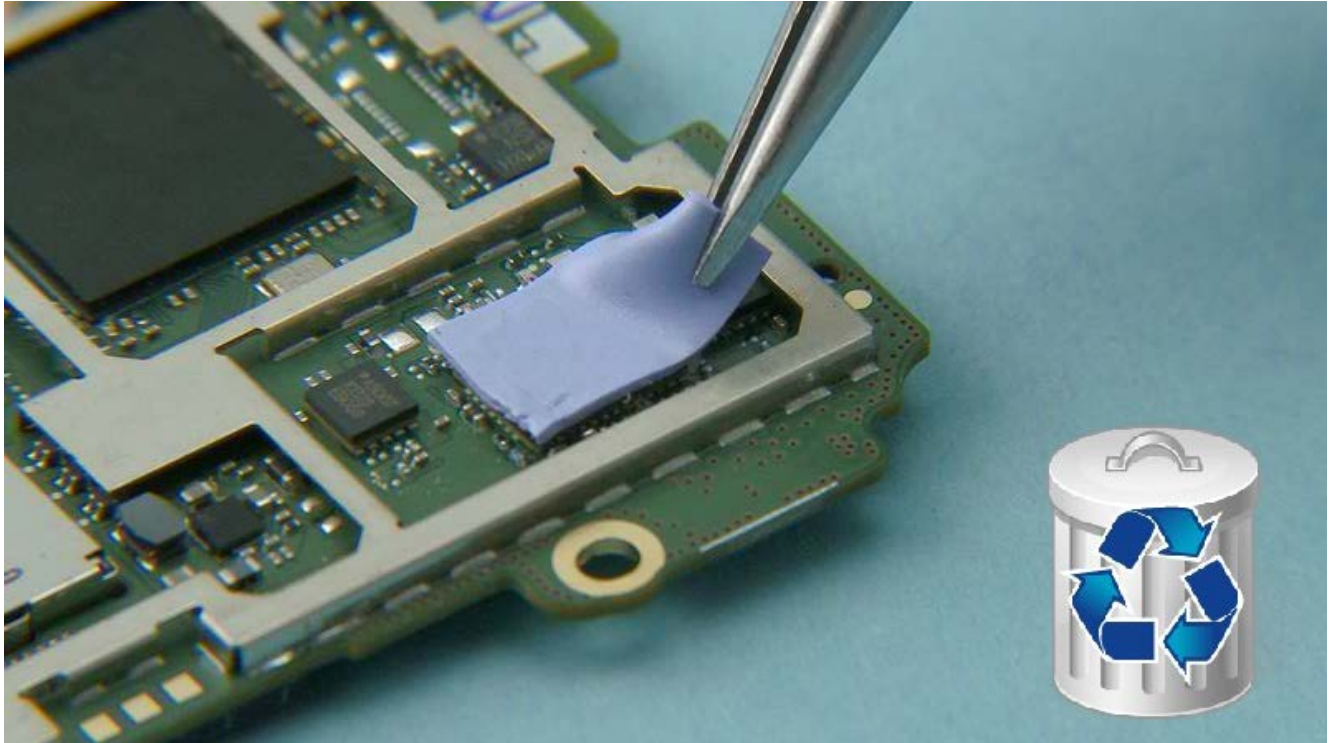
40) Remove and discard the TOP SHIELDING LID.



41) Remove and discard the shown THERMAL PAD.



42) Remove and discard the shown THERMAL PAD.



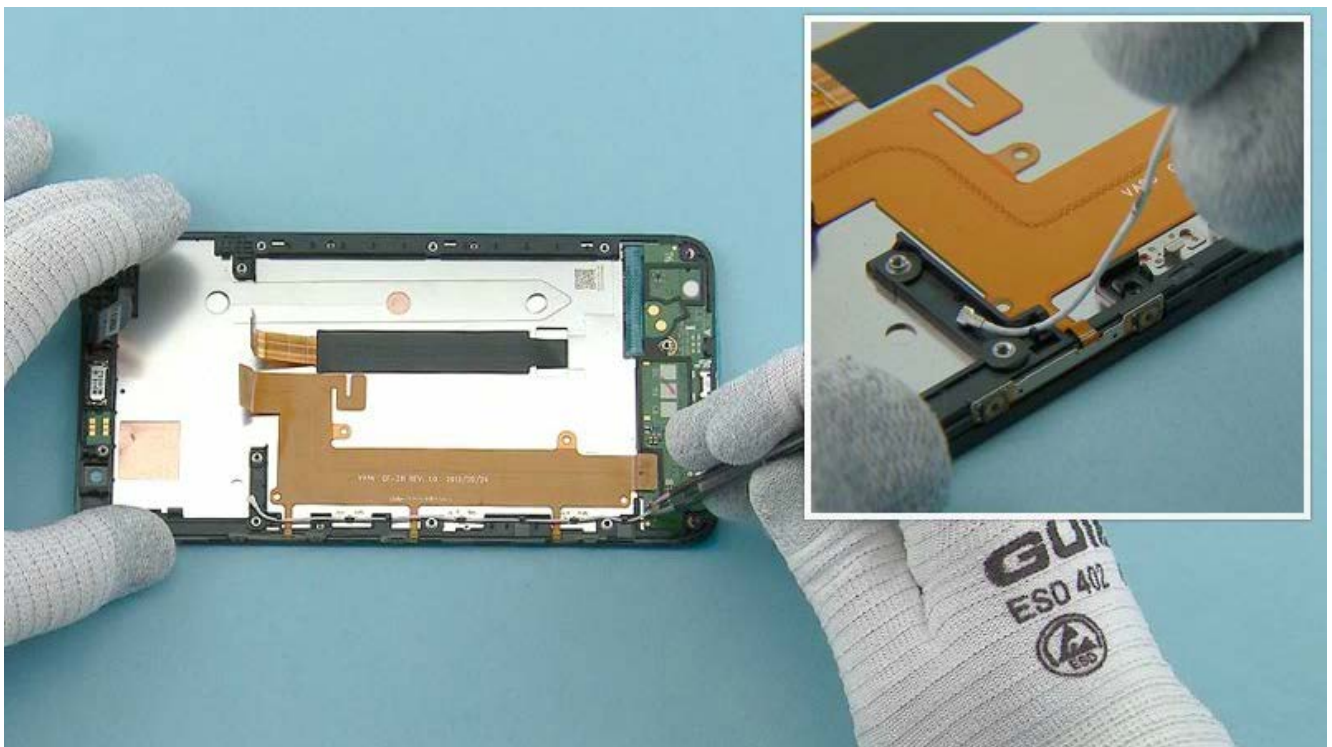
43) Remove and discard the shown THERMAL PAD.



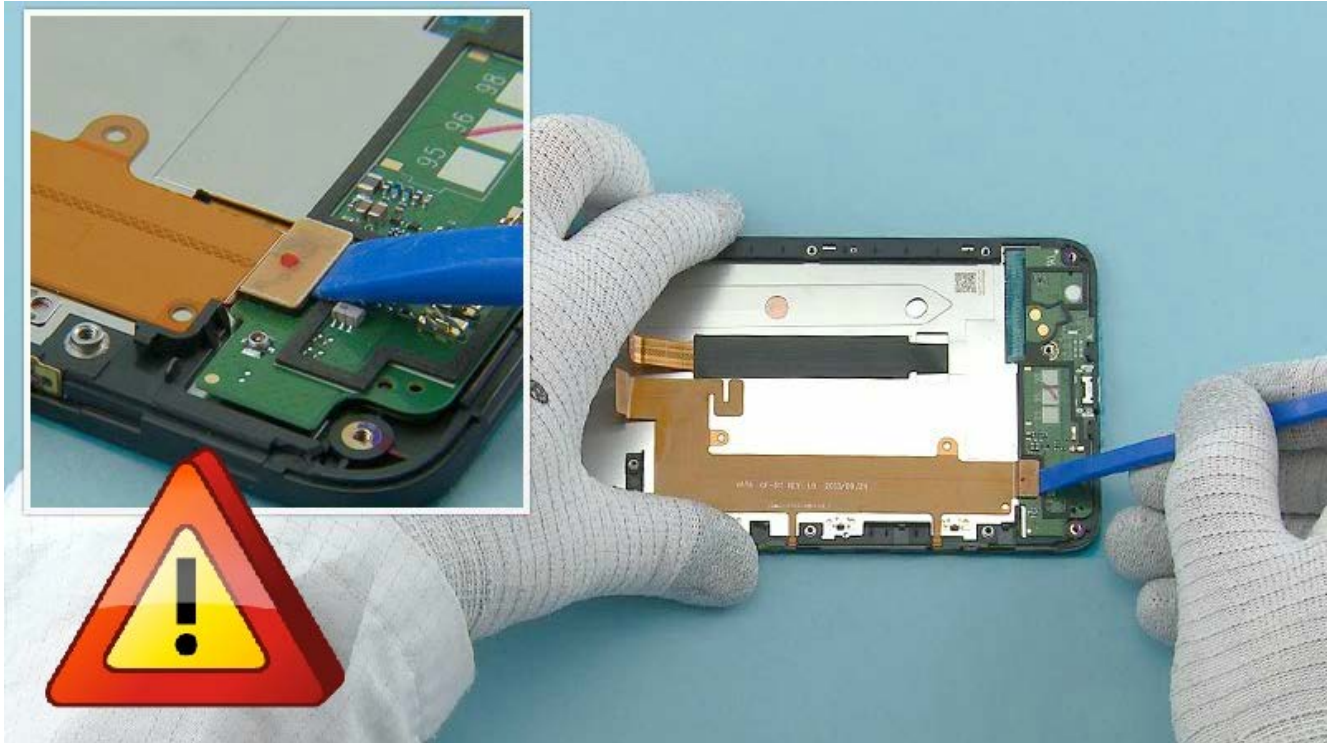
44) To remove the BATTERY the two shown BATTERY ADHESIVE tabs needs to be pulled directly to the directions shown. Do not use the adhesives again. Discard them.



45) Lift up and remove the BATTERY.



46) Release the RF CABLE from the hooks and remove it.



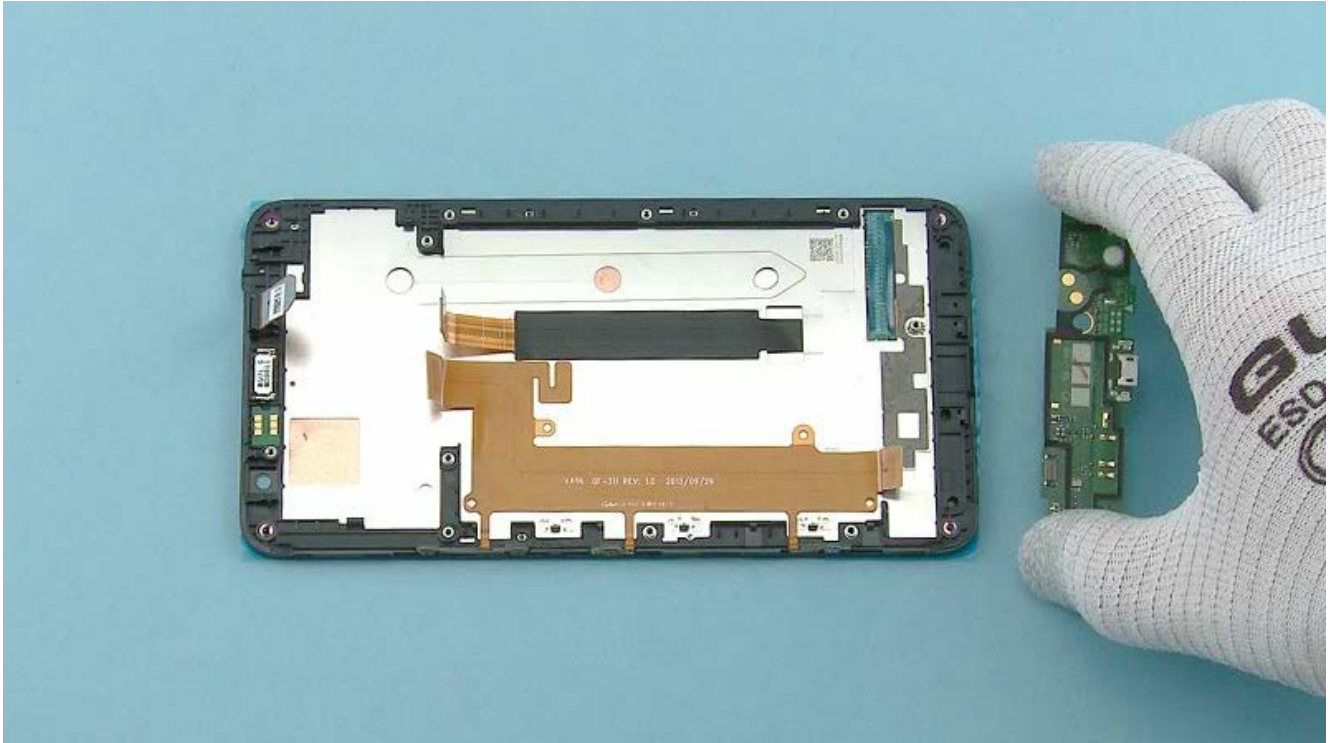
47) Use the SS-93 to open the SIDE KEY FLEX connector.

Be careful not to damage the connector or any components nearby!

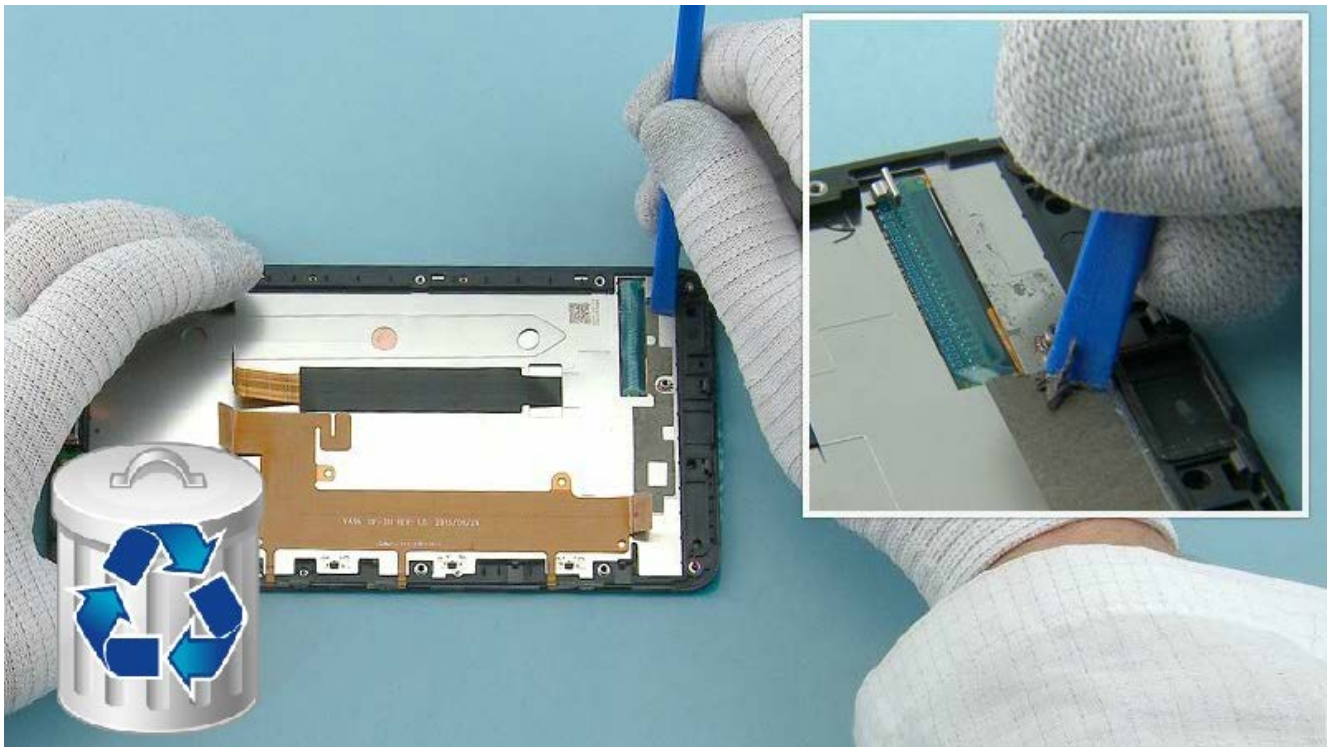


48) To release the adhesive holding the SUB BOARD PWB, insert the SS-93 to the place shown and slide it carefully to the direction shown.

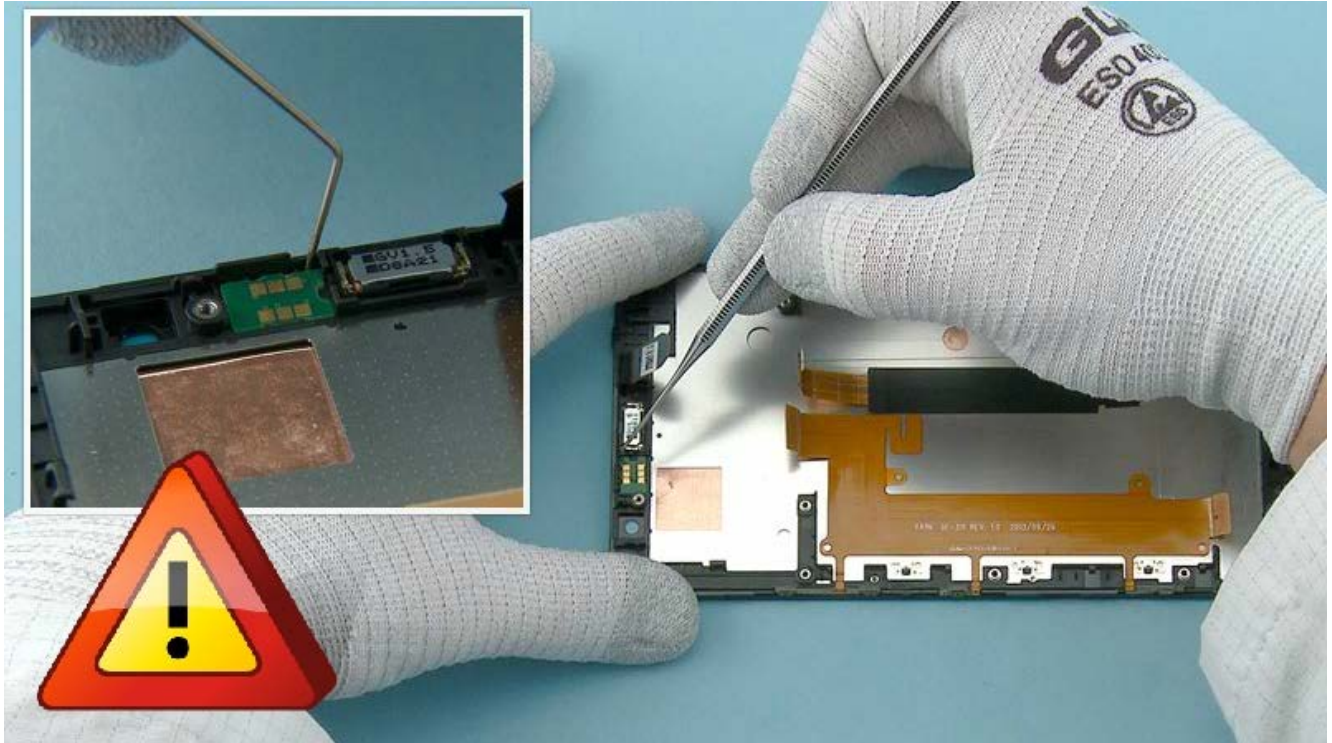
Be careful not to damage the components underneath!



49) Lift up and remove the SUB BOARD PWB.

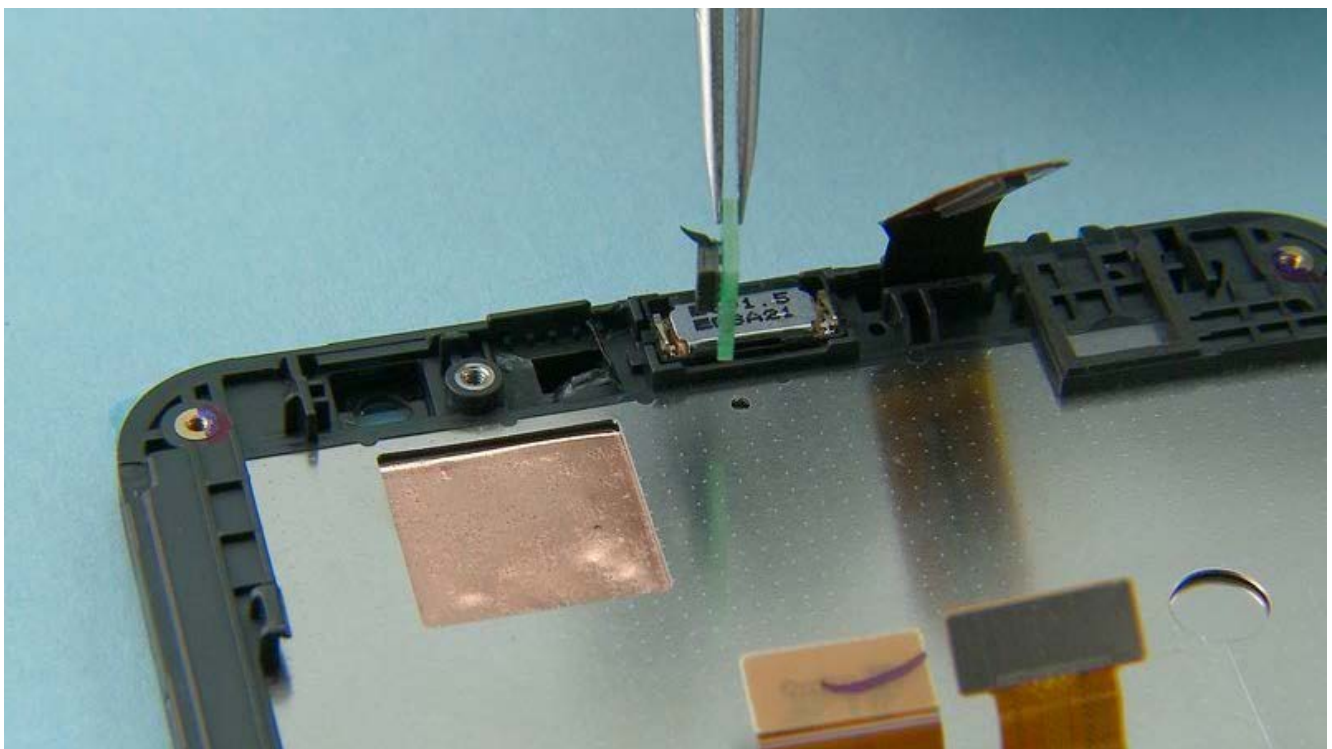


50) Remove and discard the SUB BOARD ADHESIVE.

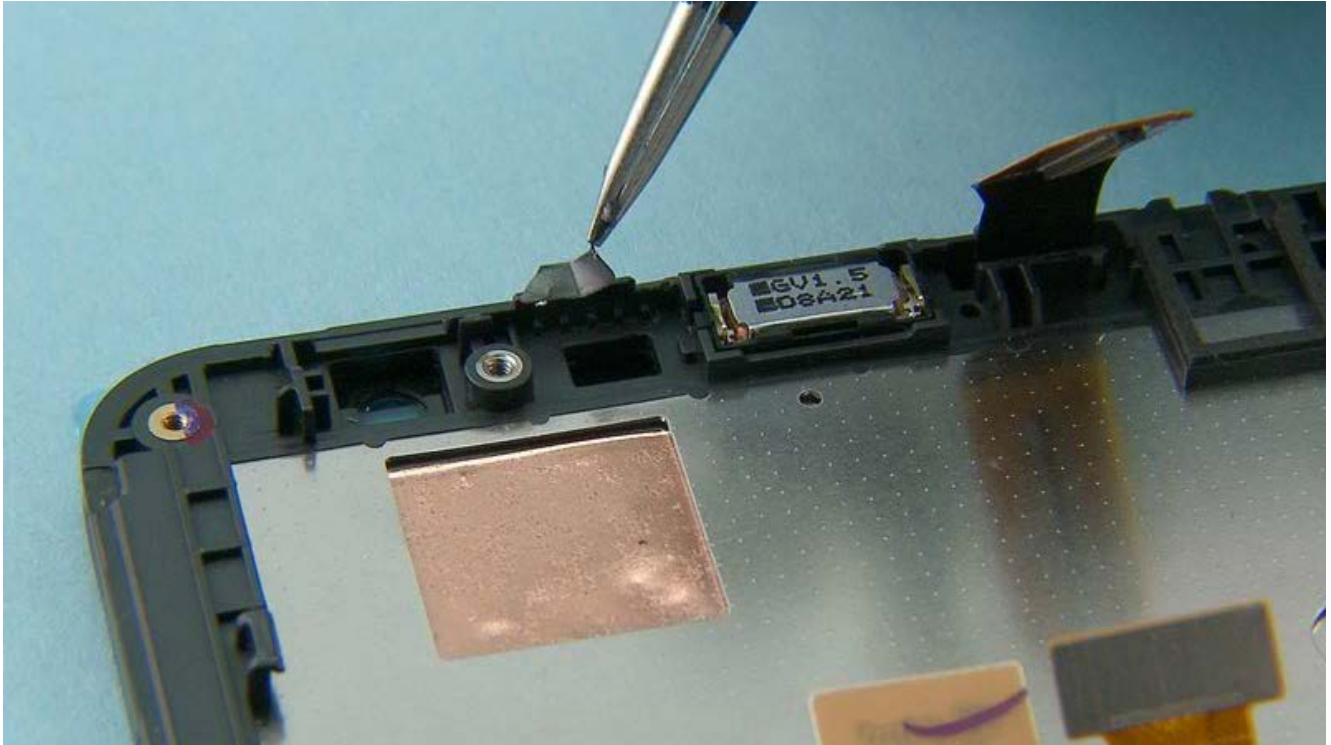


51) Use the dental tool to lever up the ALS/PROXIMITY SENSOR.

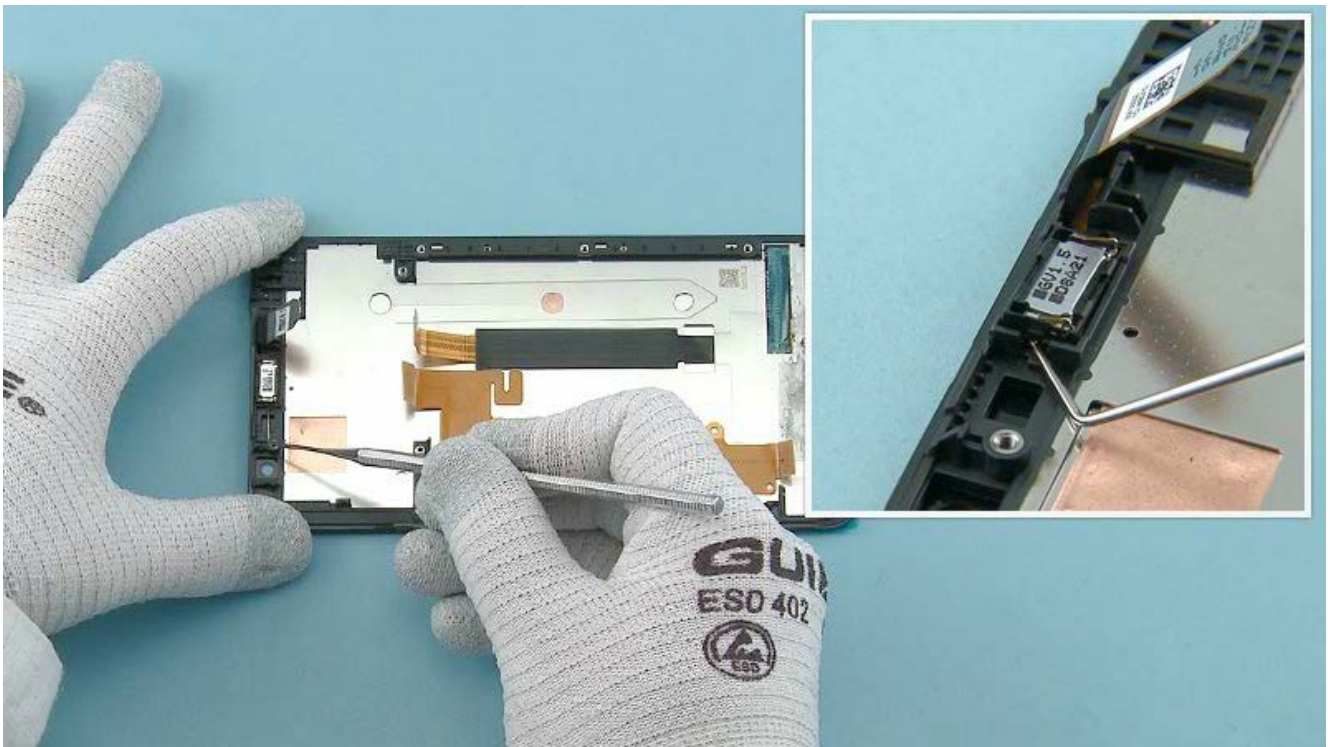
Be careful not to damage the ALS/PROXIMITY SENSOR!



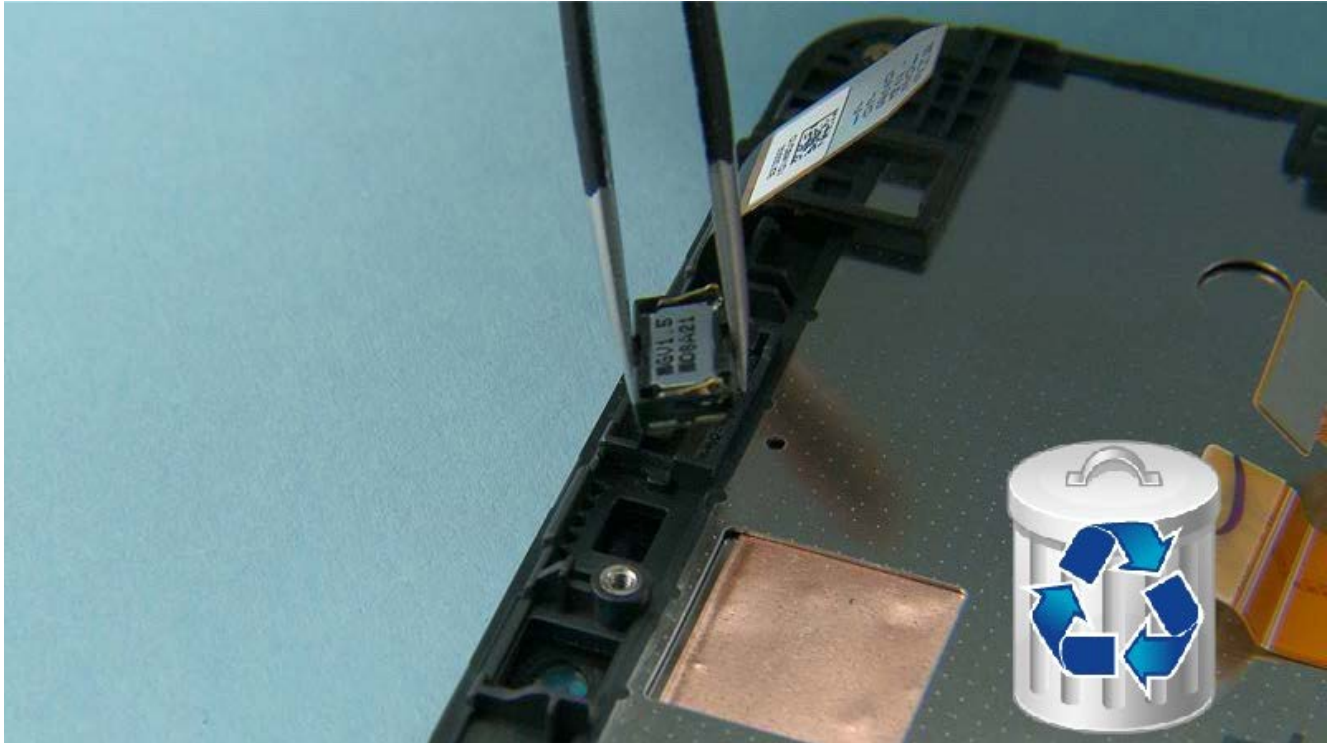
52) Remove the ALS/PROXIMITY SENSOR.



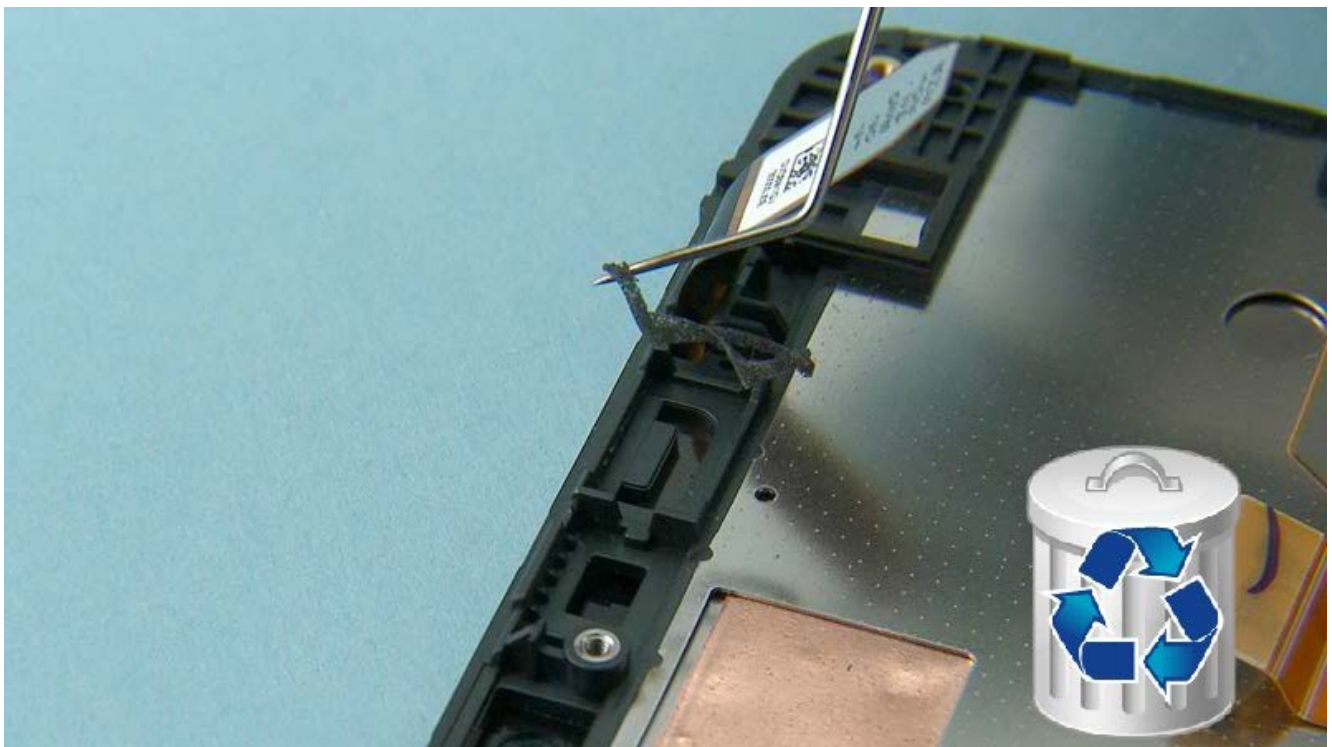
53) Remove the adhesive remains.



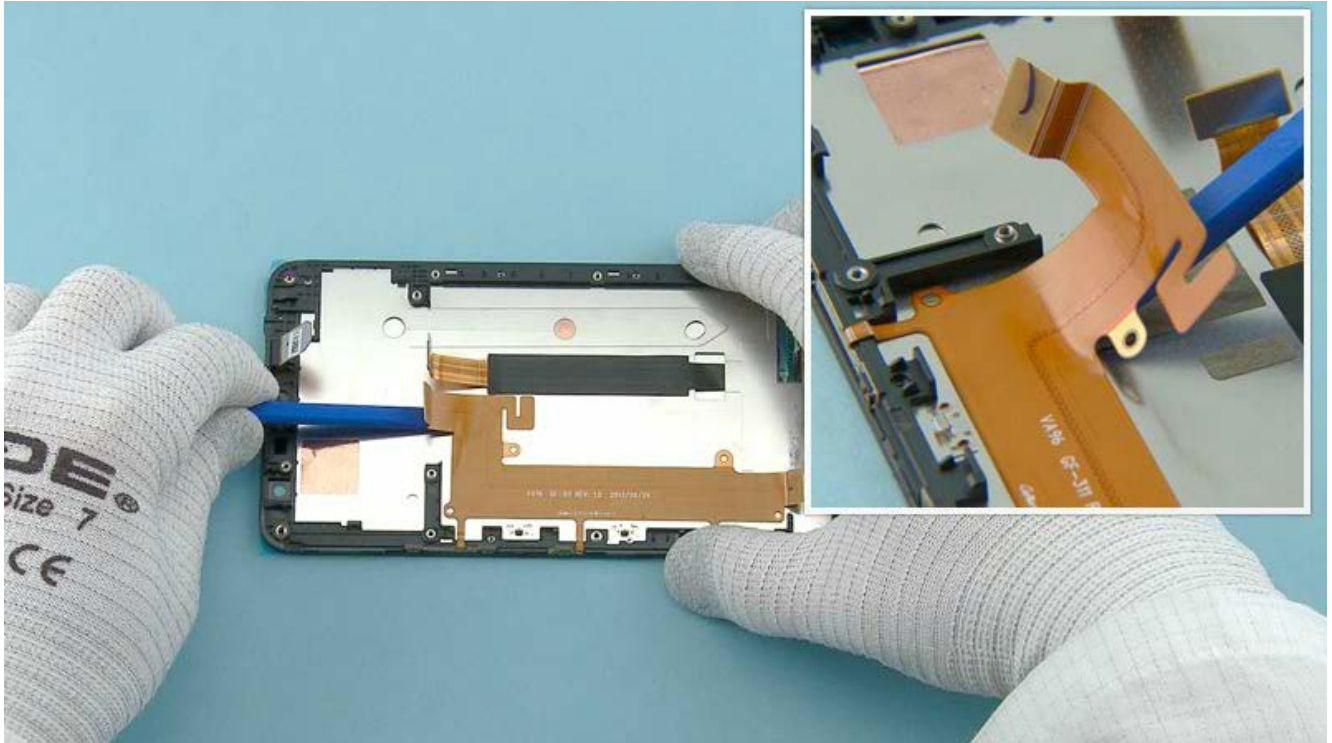
54) Release the EARPICCE with the dental tool.



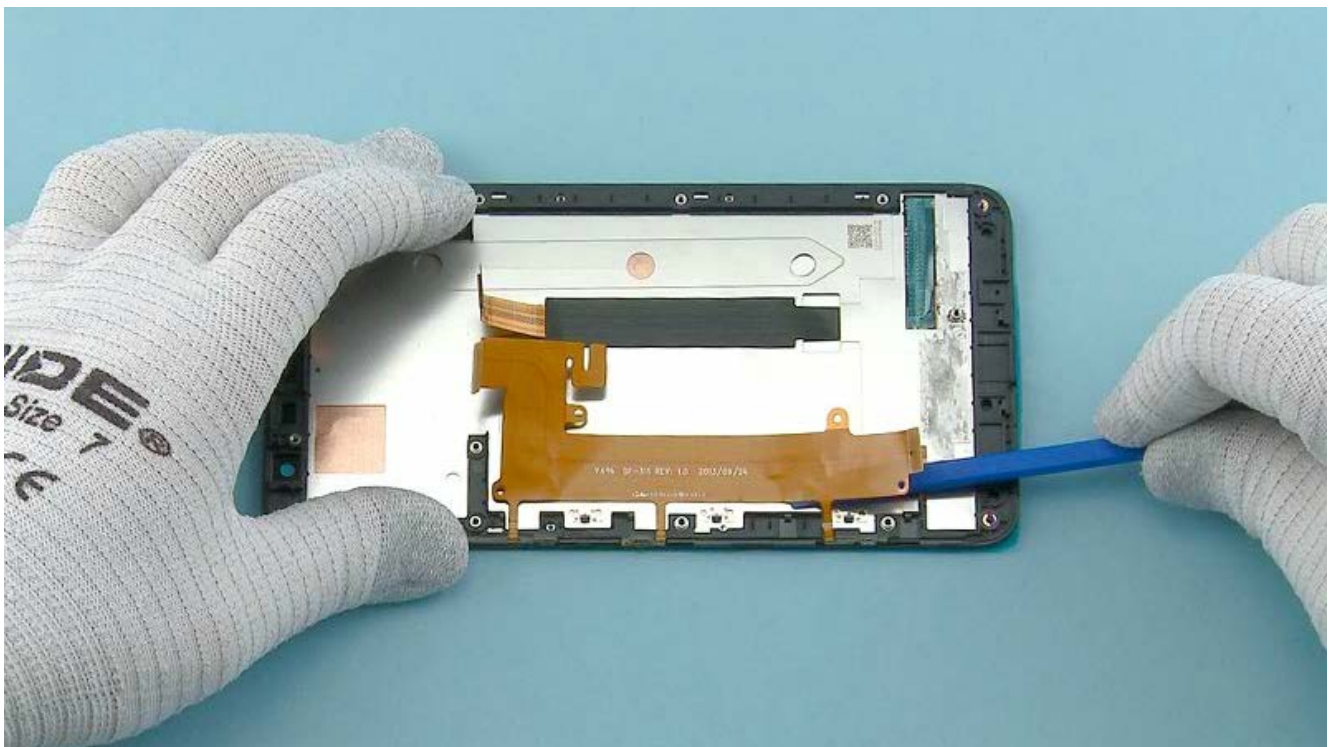
55) Remove and discard the EARPICE.



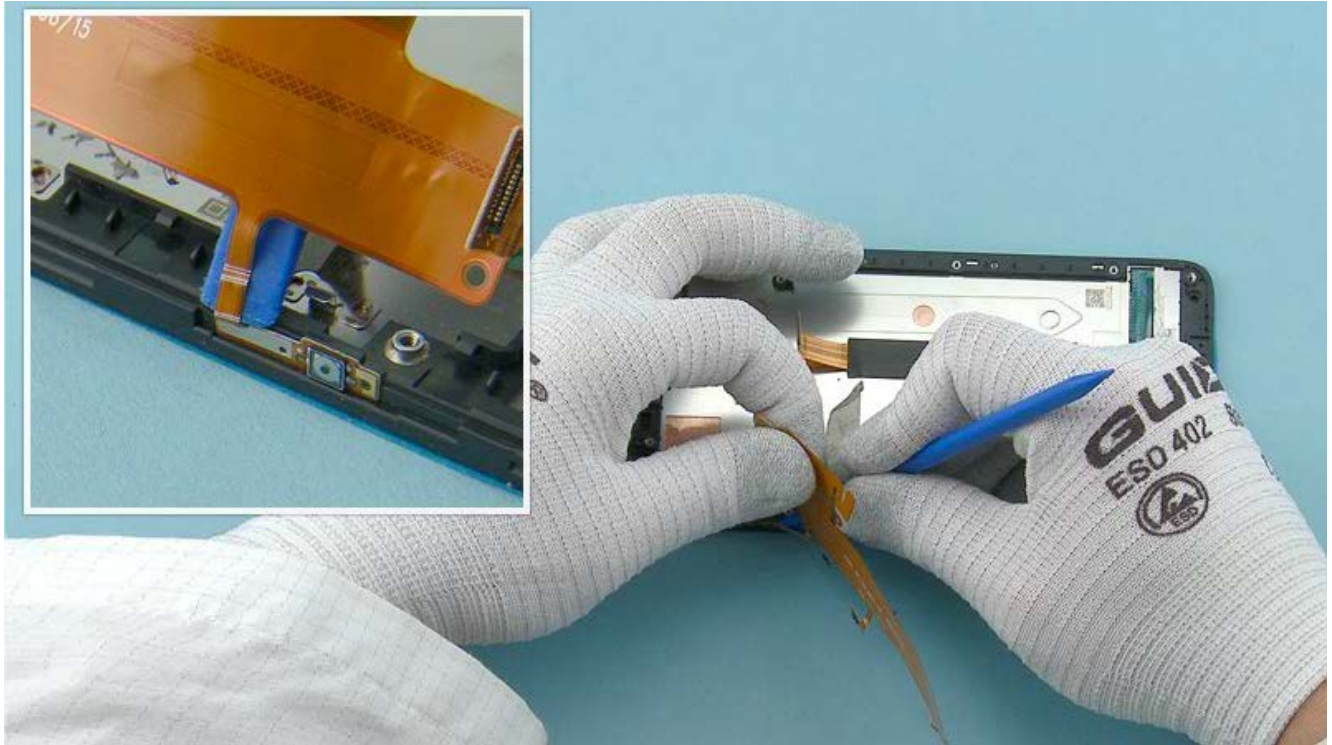
56) Remove and discard the EARPICE ADHESIVE.



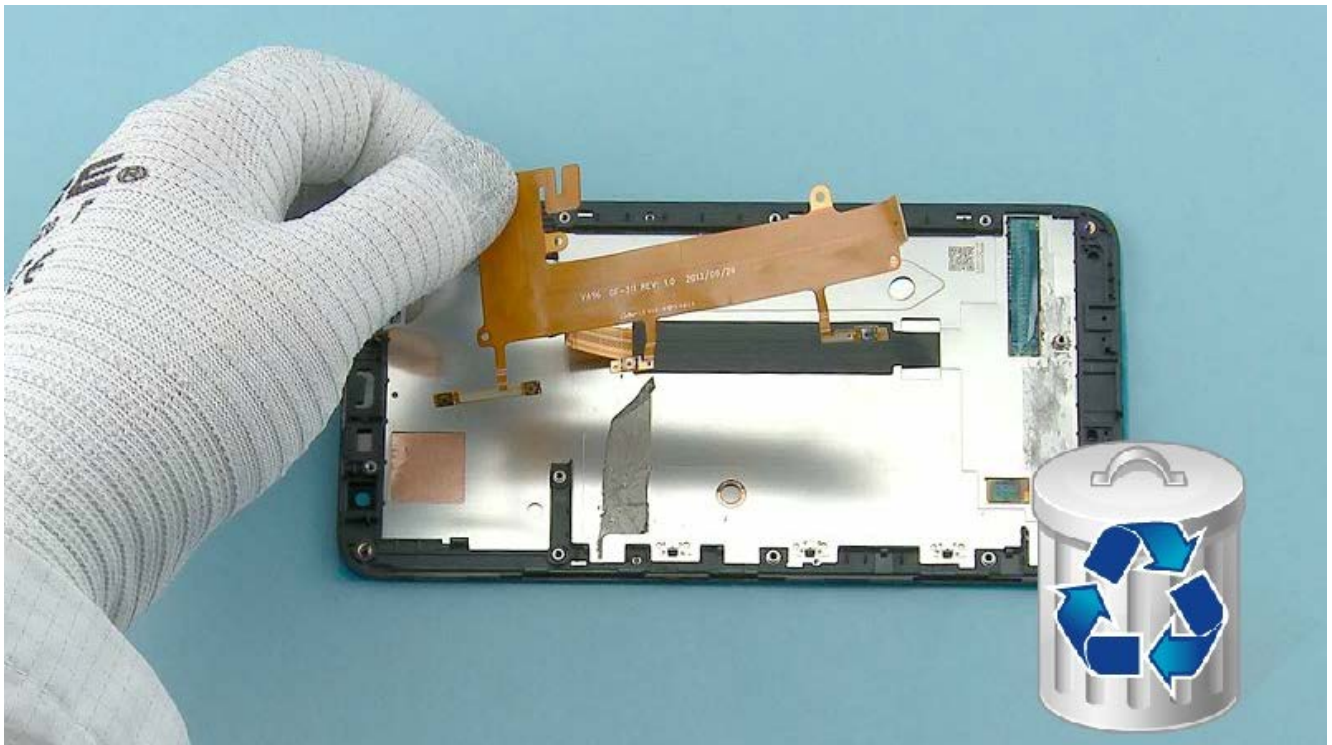
57) Start to release the SIDE KEY FLEX from the shown place with the SS-93.



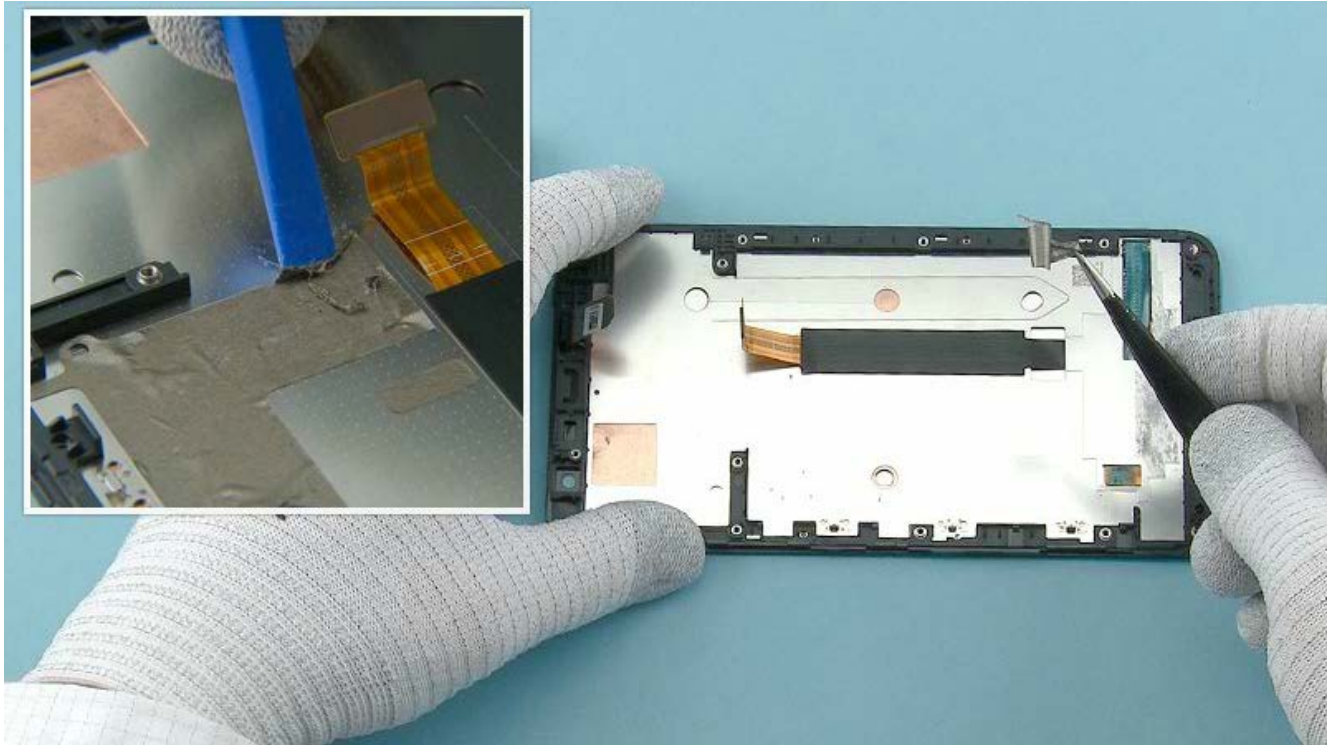
58) Continue the removal of the SIDE KEY FLEX from the opposite side.



59) Release also the SIDE KEY FLEX side key parts.



60) Remove and discard the SIDE KEY FLEX.



61) Remove all the adhesive remains from the UI FRAME.

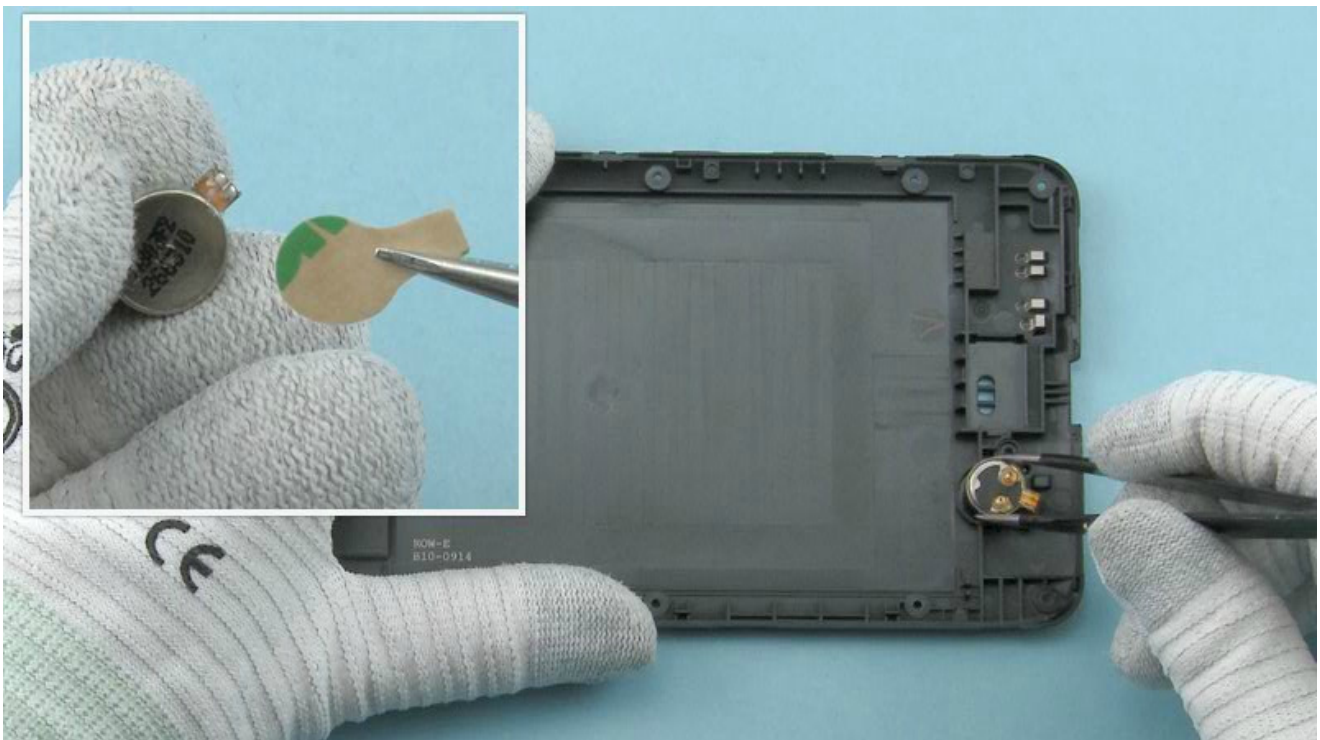


62) The Nokia Lumia 1320 disassembly procedure is complete.

-END OF DISASSEMBLY-



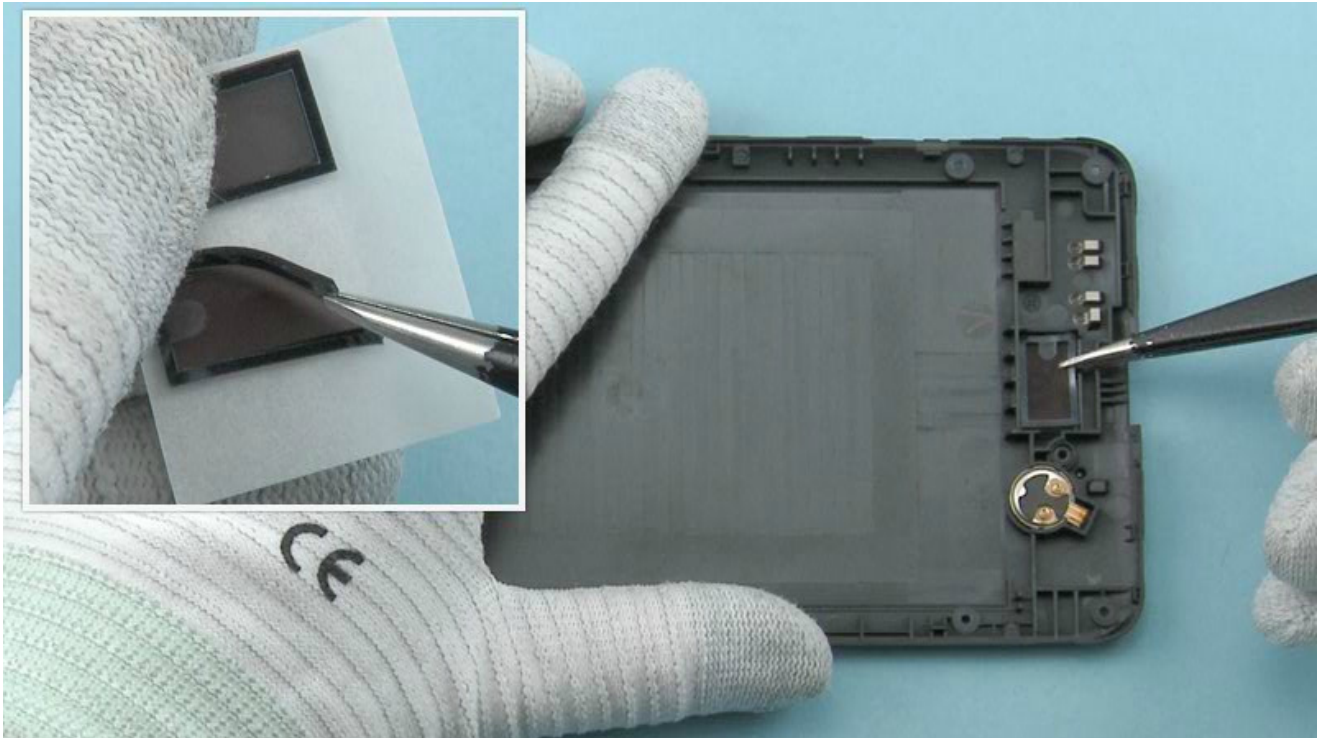
1) For assembling you need the Nokia Standard toolkit version 2. You will also need the SS-231 rf connector disassembly/assembly tool.



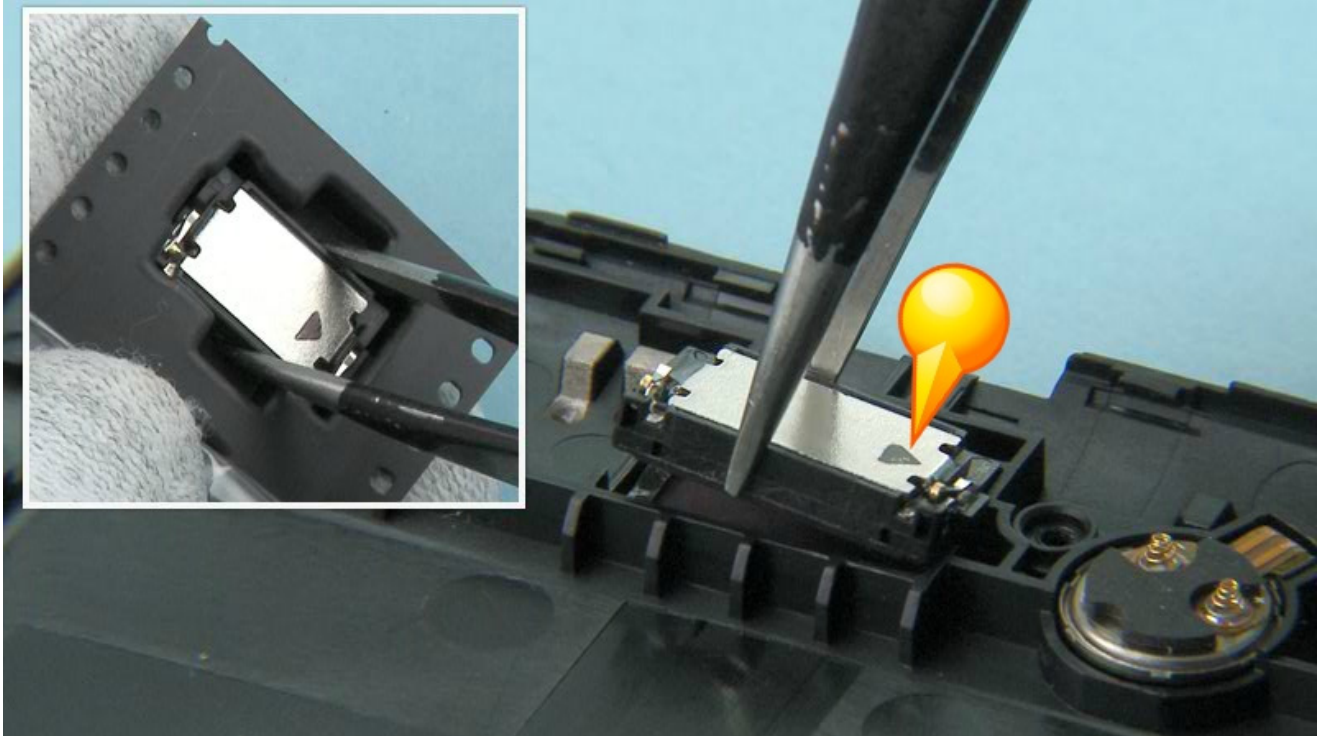
2) Use tweezers to peel off the protective film from the VIBRA.



3) Align the VIBRA with tweezers. Press gently with the SS-93 to activate the adhesive.



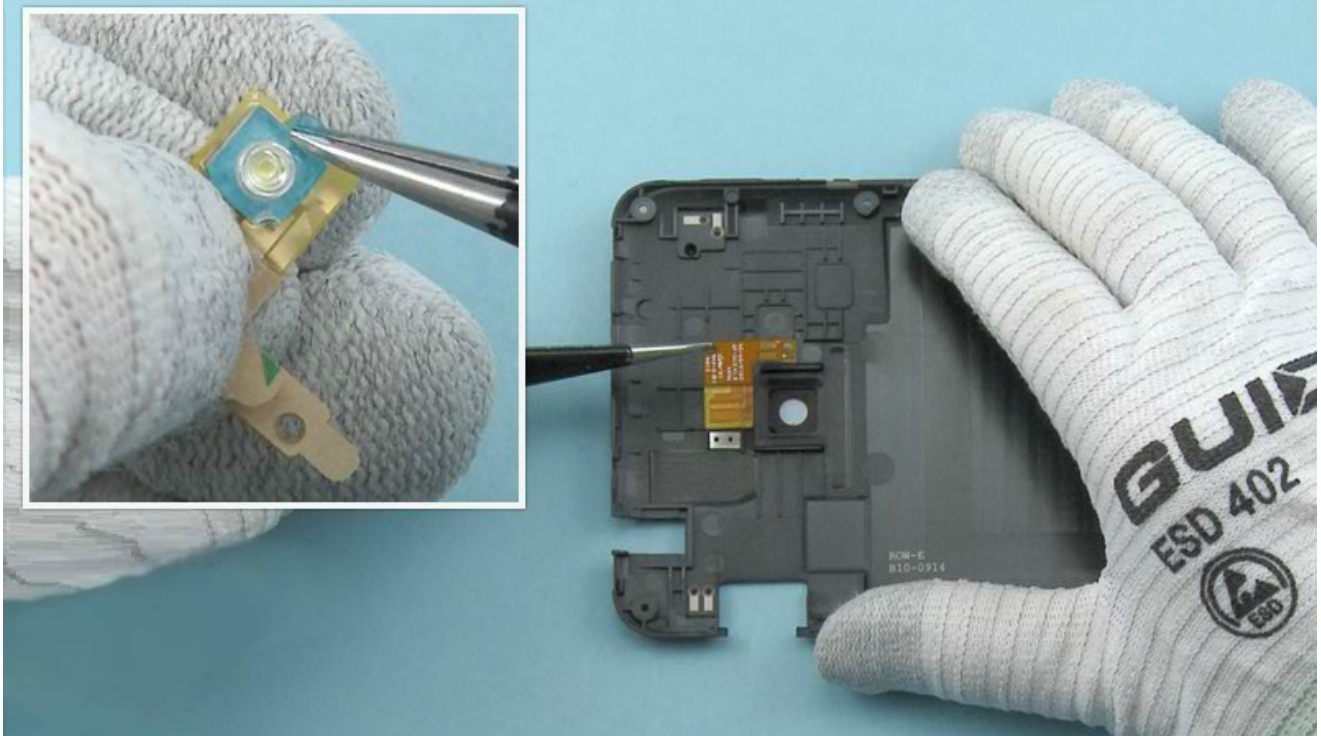
4) Use tweezers to pick a new IHF SPEAKER ADHESIVE and place it into the IHF SPEAKER gavity. Remove the protective film from the IHF SPEAKER ADHESIVE.



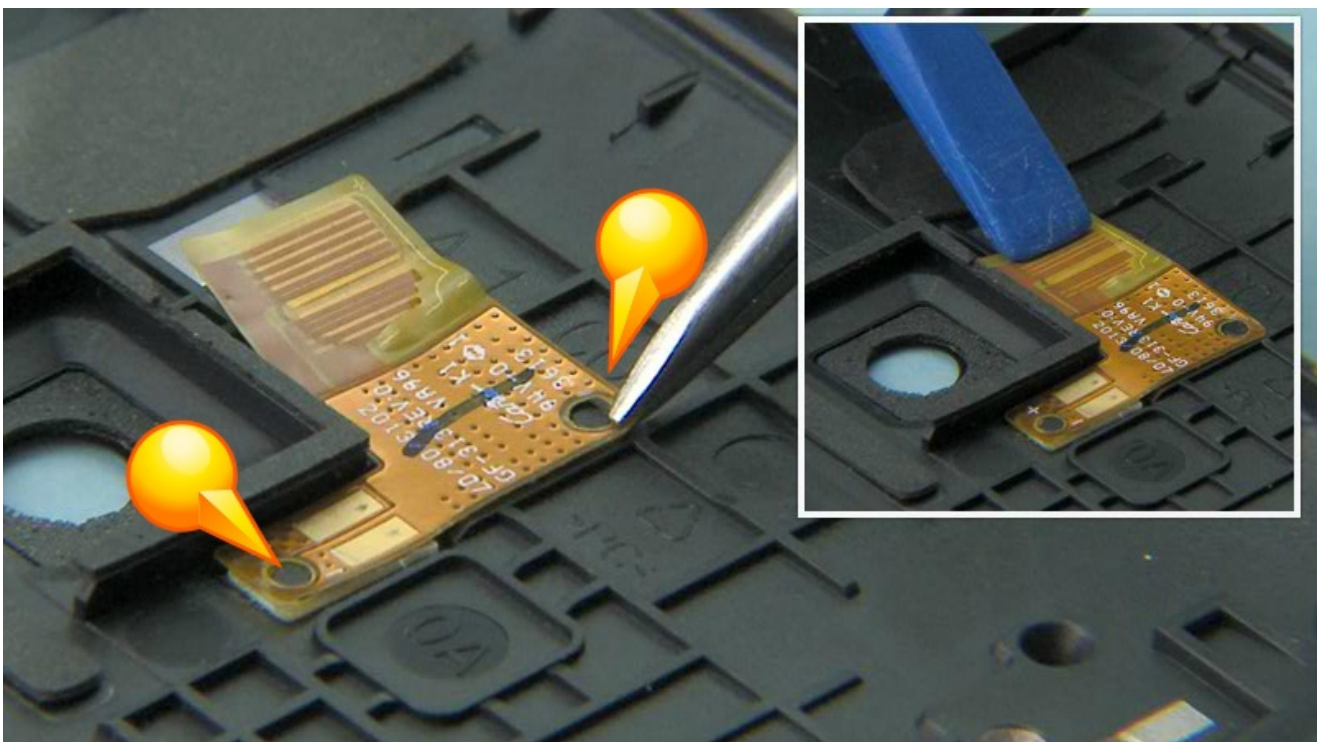
5) Unwrap a new IHF SPEAKER with tweezers. Place the IHF SPEAKER into its slot. Make sure the IHF SPEAKER is aligned correctly. The triangle should point towards the VIBRA.



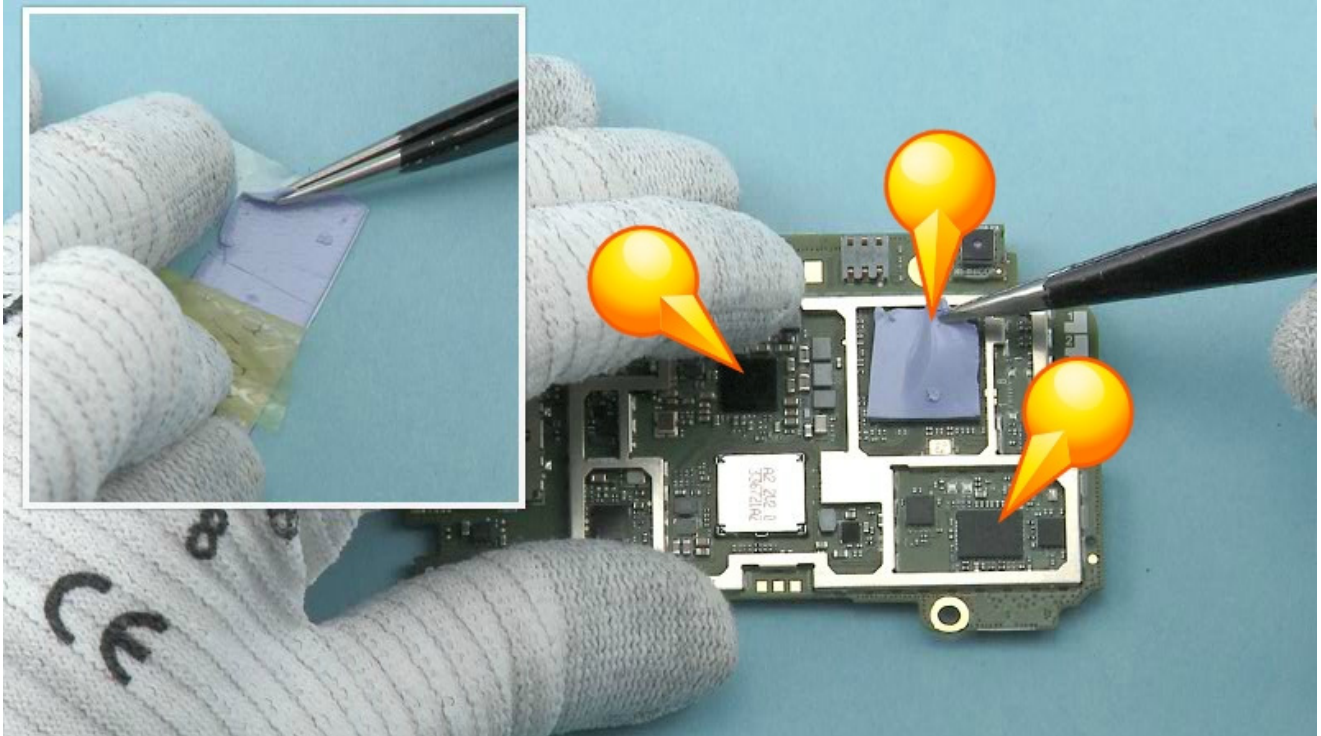
6) Press gently with the SS-93 to activate the adhesive. Avoid touching the springs.



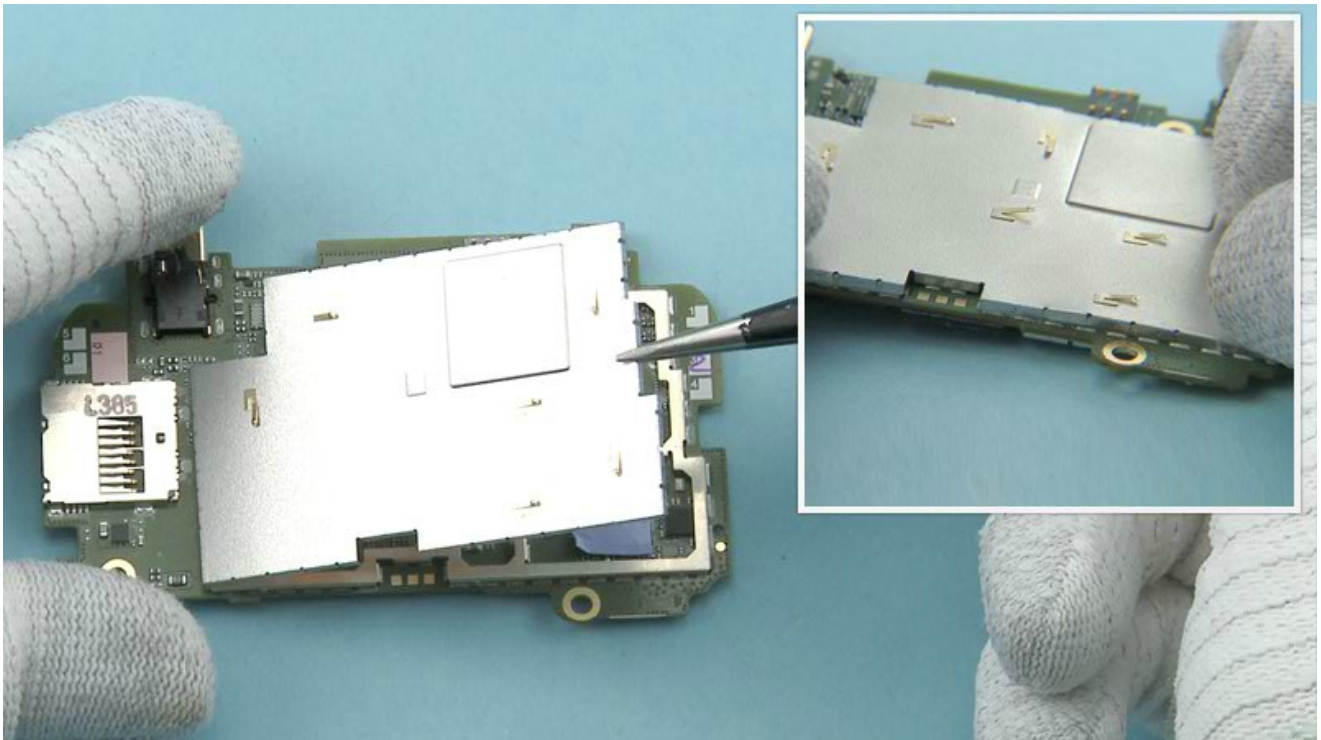
7) Use tweezers to remove the protective tapes from a new FLASH LED FLEX . Align the FLASH LED FLEX with tweezers.



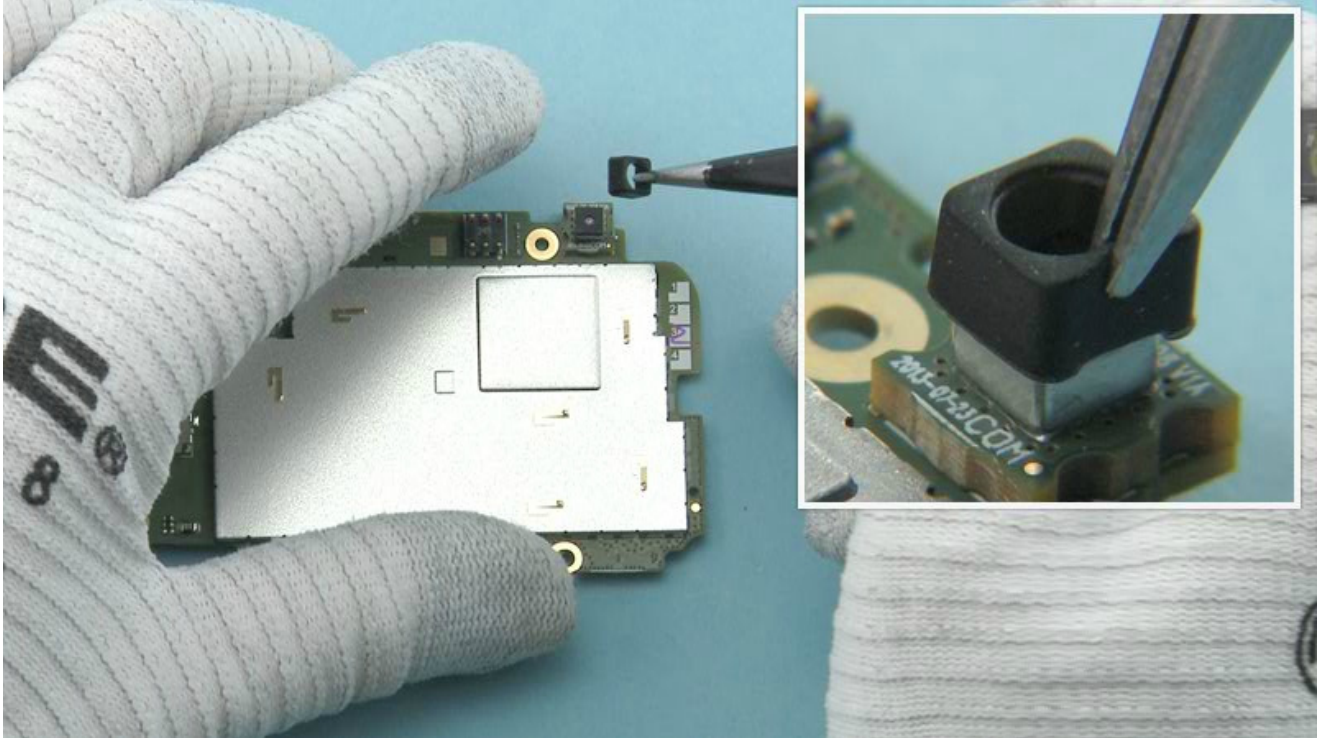
8) Use the shown guidings when aligning the FLASH LED FLEX. Secure the flex with the SS-93.



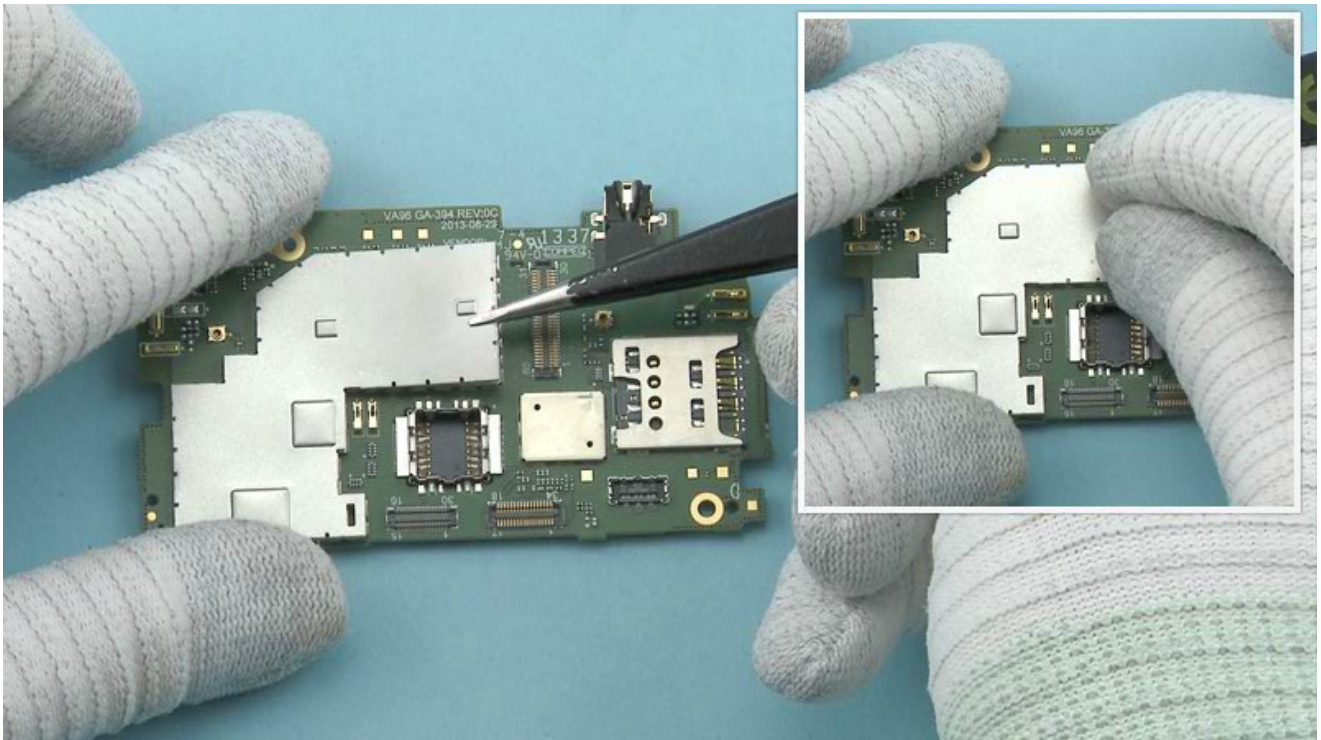
9) Unwrap new THERMAL PADS with tweezers. Place the THERMAL PADS with tweezers in shown places.



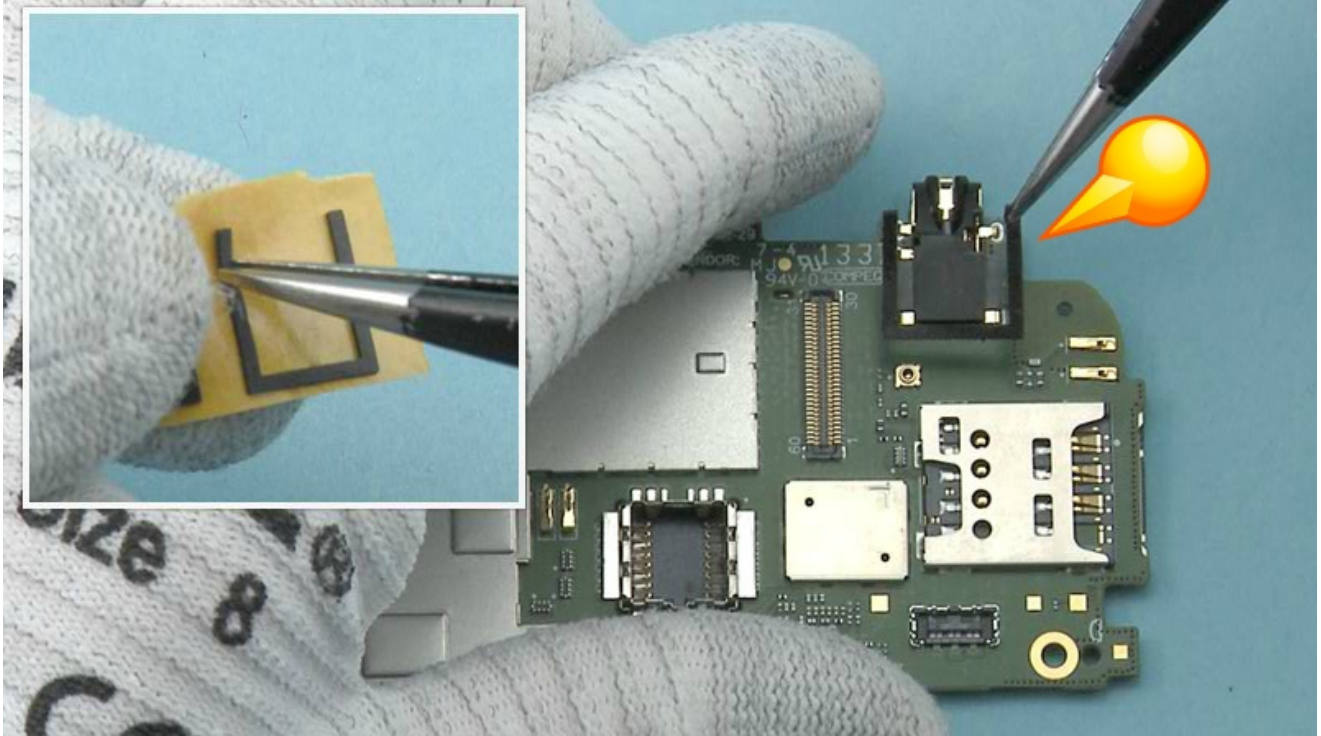
10) Place a new TOP SHIELDING LID with tweezers. Make sure all the clips are secured properly.



11) Attach the FRONT CAMERA RUBBER with tweezers.

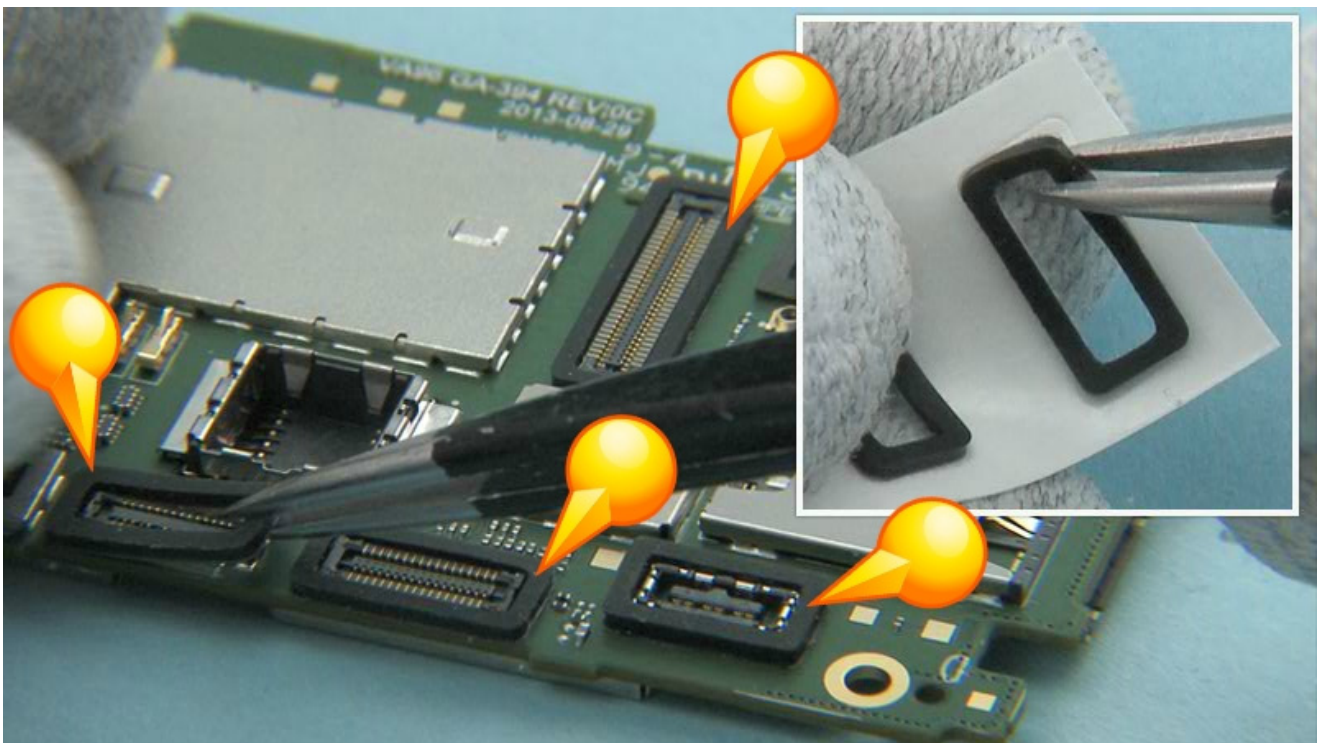


12) Place a new BOTTOM SHIELDING LID with tweezers. Make sure all the clips are secured properly.

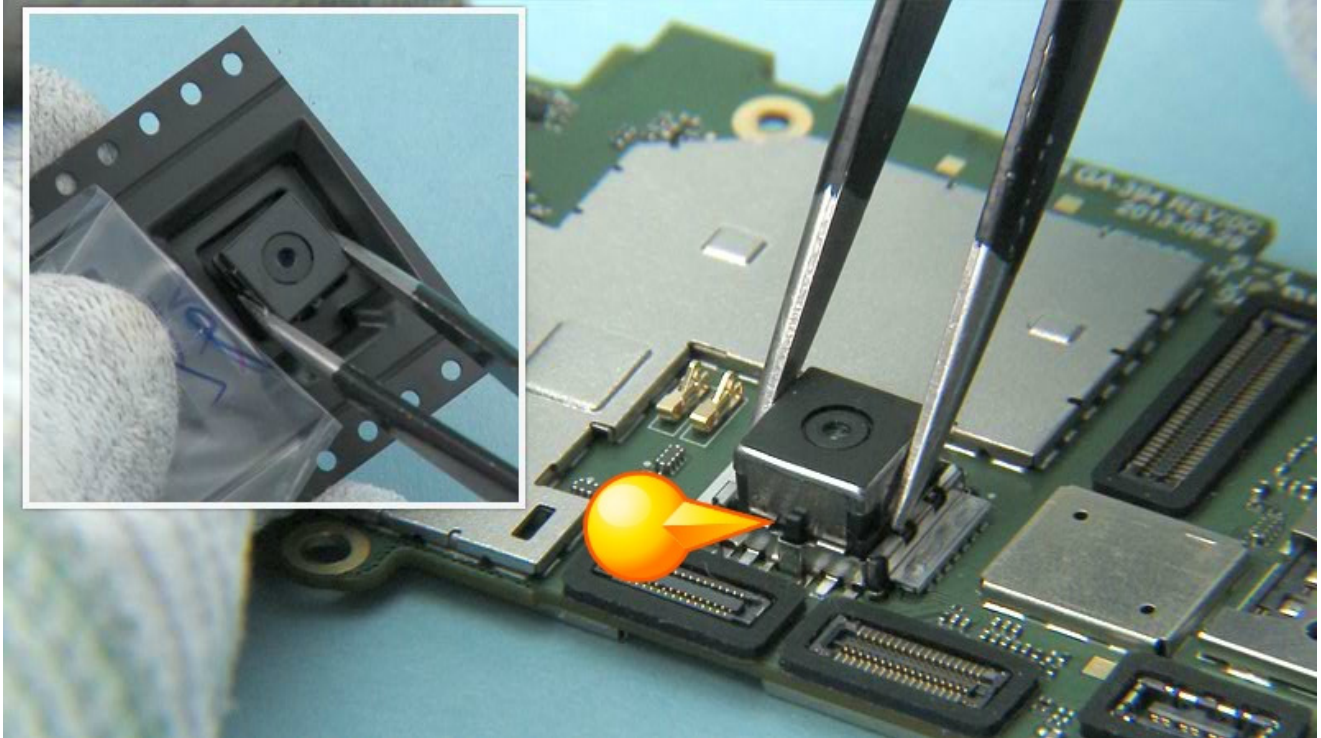


13) Use tweezers to pick a new AV CONNECTOR SPONGES. Place the BOTTOM AV CONNECTOR SPONGE around the AV CONNECTOR as shown.

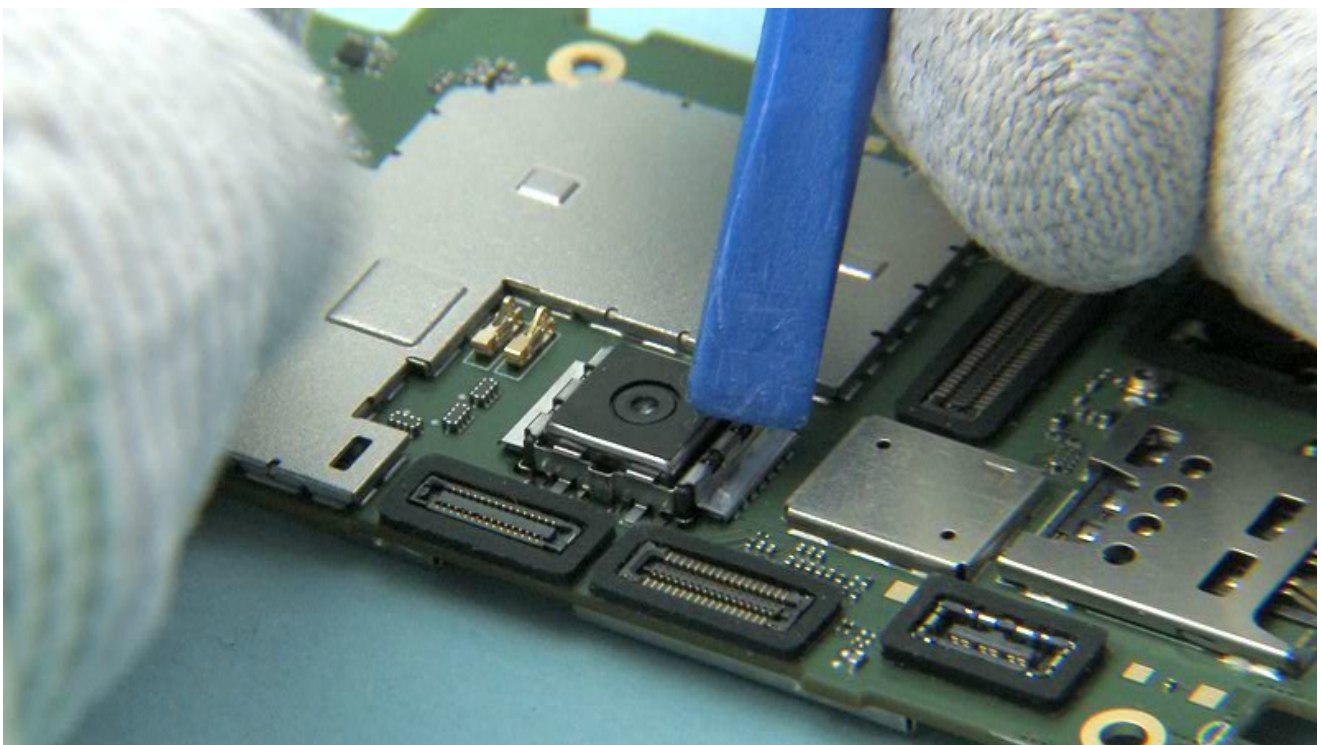
Remember to place the TOP AV CONNECTOR SPONGE around the AV CONNECTOR on the other side of the ENGINE BOARD.



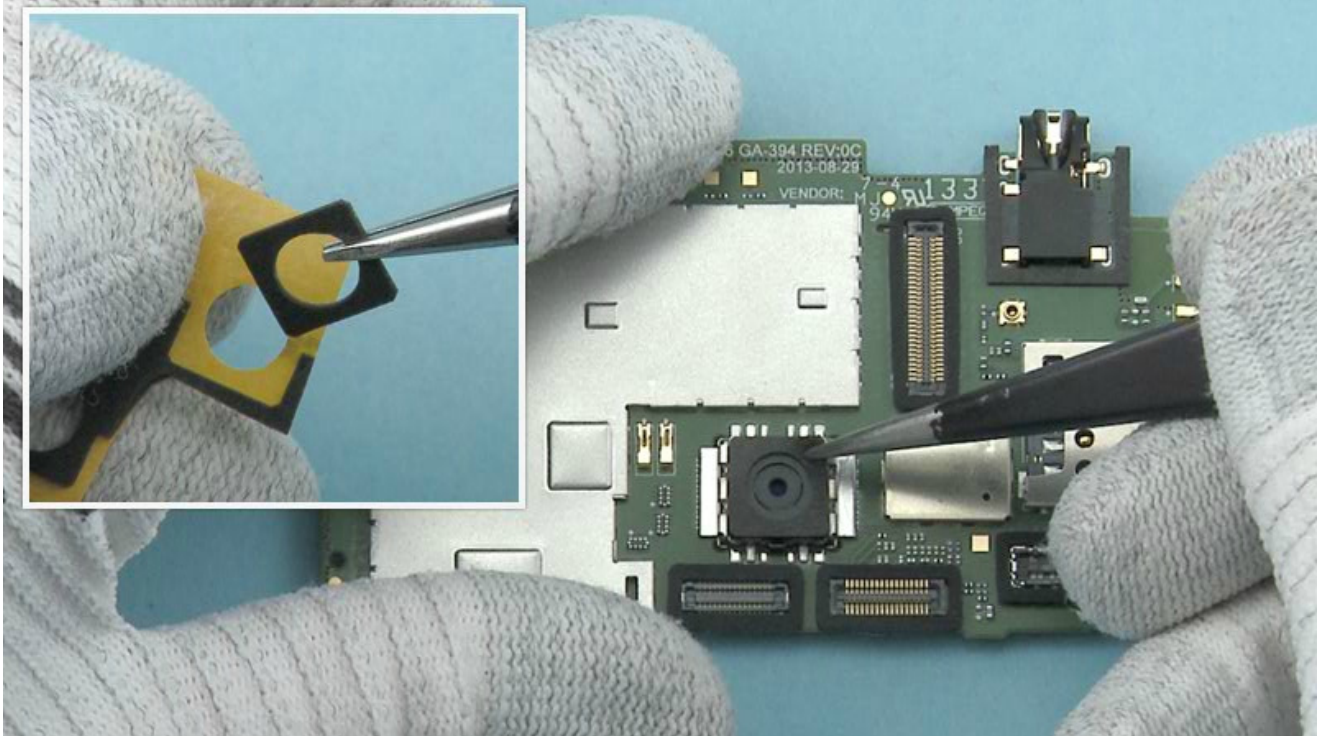
14) Use tweezers to pick new CONNECTOR RUBBERS. Place the RUBBERS carefully around the TOUCH PANEL CONNECTOR, BATTERY CONNECTOR, DISPLAY CONNECTOR and the SIDE KEY CONNECTOR.



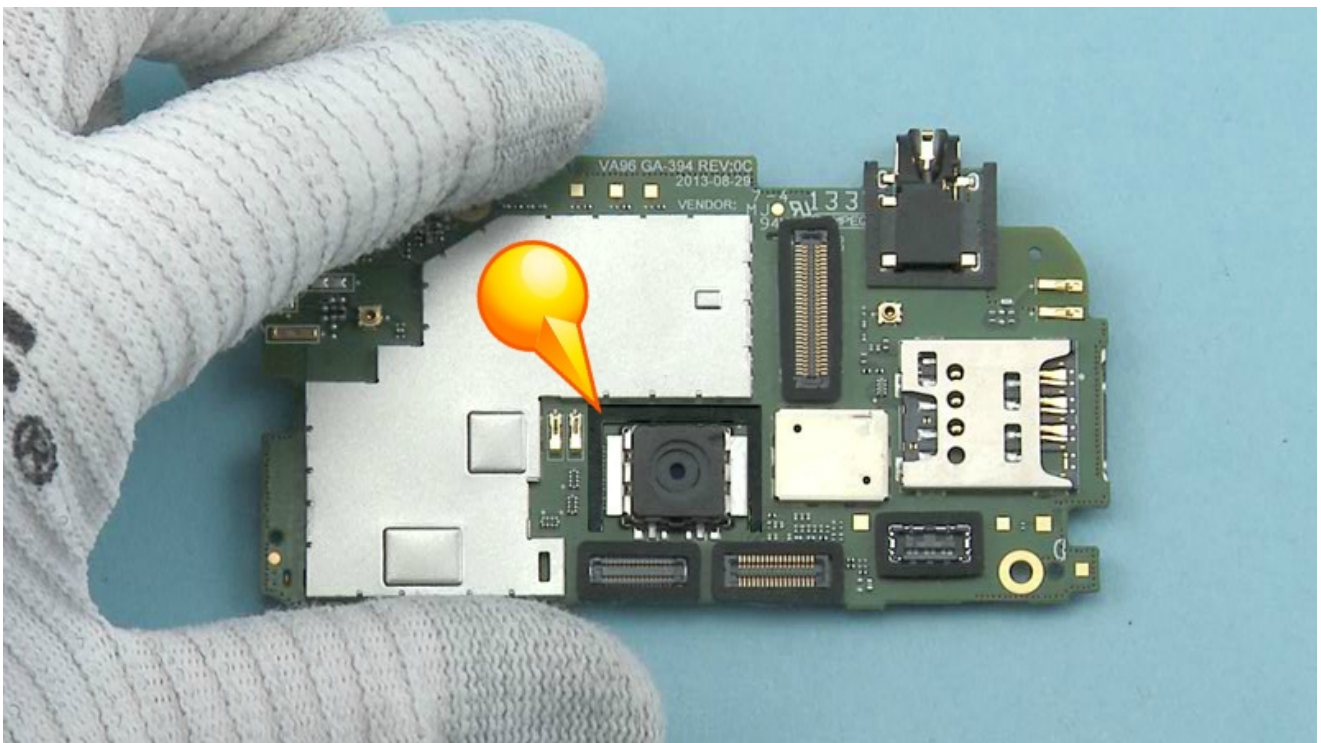
15) Unwrap a new CAMERA. Place the CAMERA to the camera socket with tweezers. Note the correct alignment.



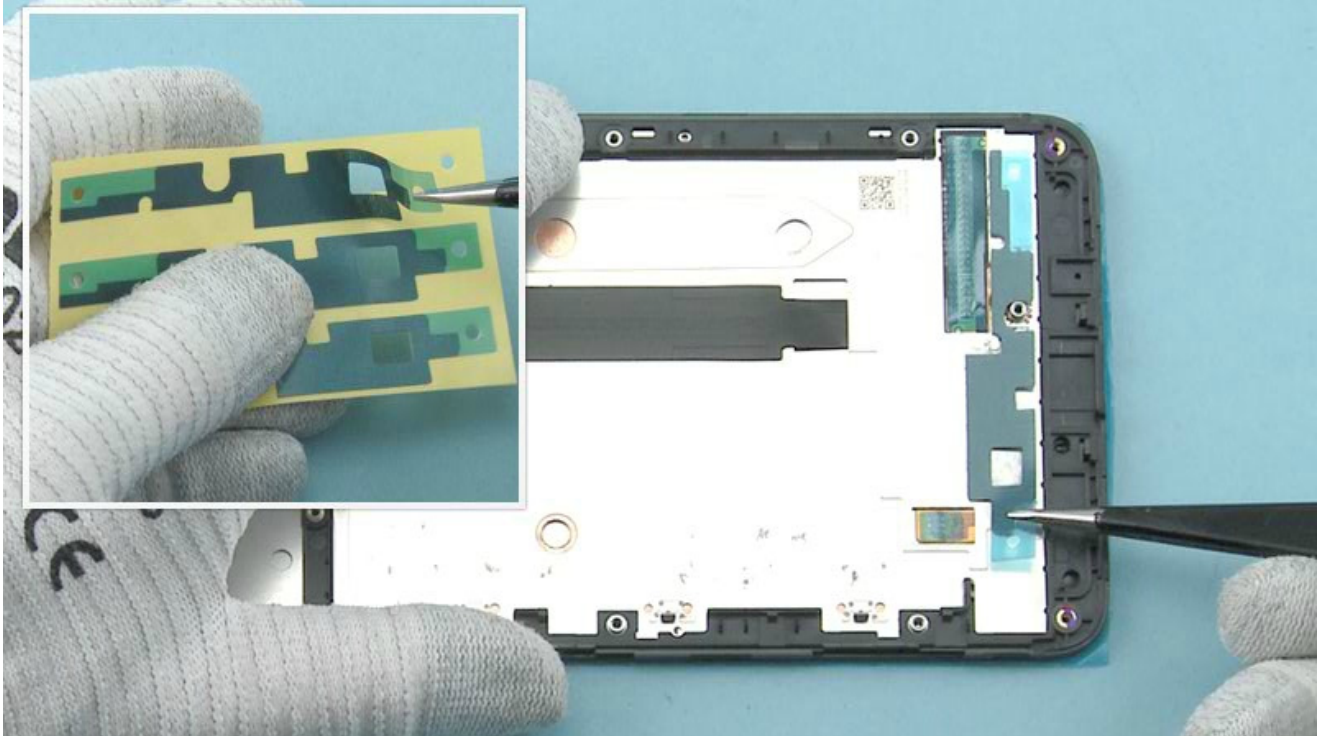
16) Press gently with the SS-93 to secure the CAMERA properly.



17) Use tweezers to pick a new CAMERA SPONGE. Place the CAMERA SPONGE on top of the CAMERA.



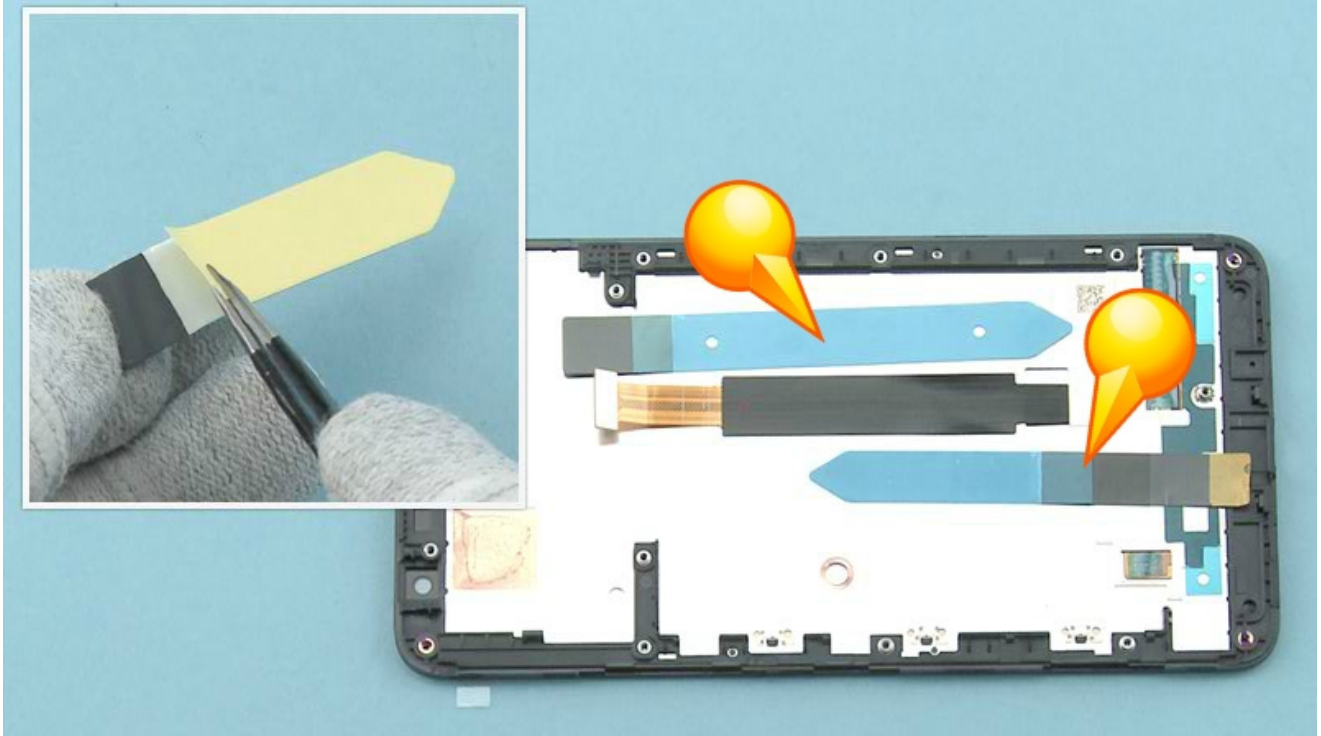
18) Place also the MB MAIN CAMERA SPONGE around the CAMERA SOCKET.



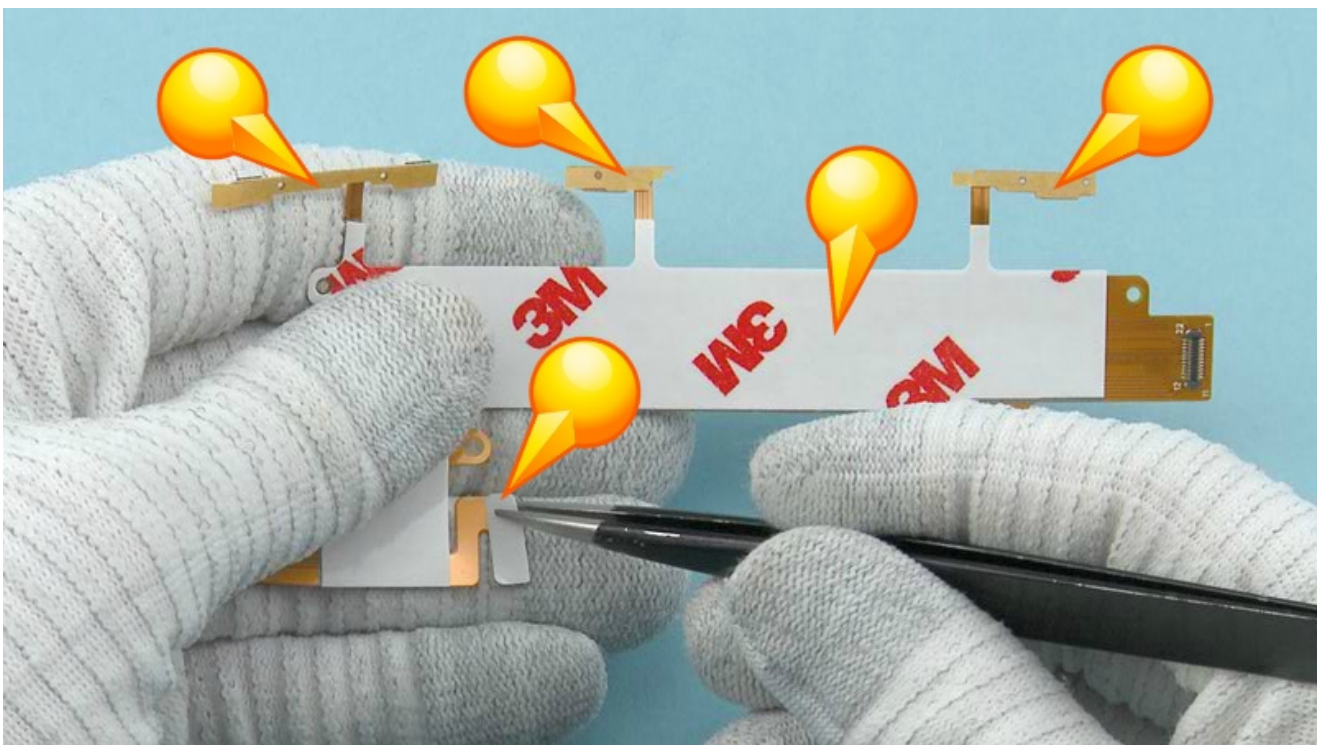
19) Use tweezers to pick a new SUB BOARD ADHESIVE. Align the SUB BOARD ADHESIVE with tweezers to the A-COVER.



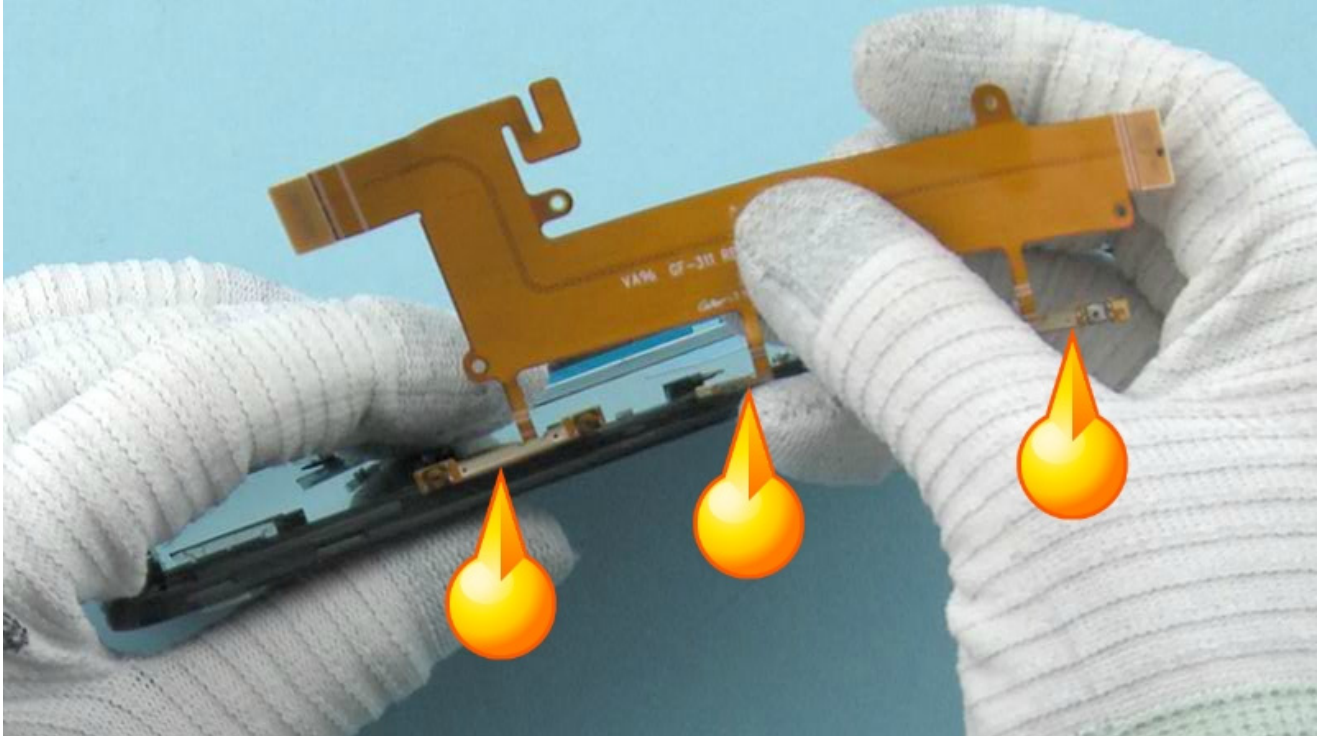
20) Press the SUB BOARD ADHESIVE gently with fingers to activate the adhesive.



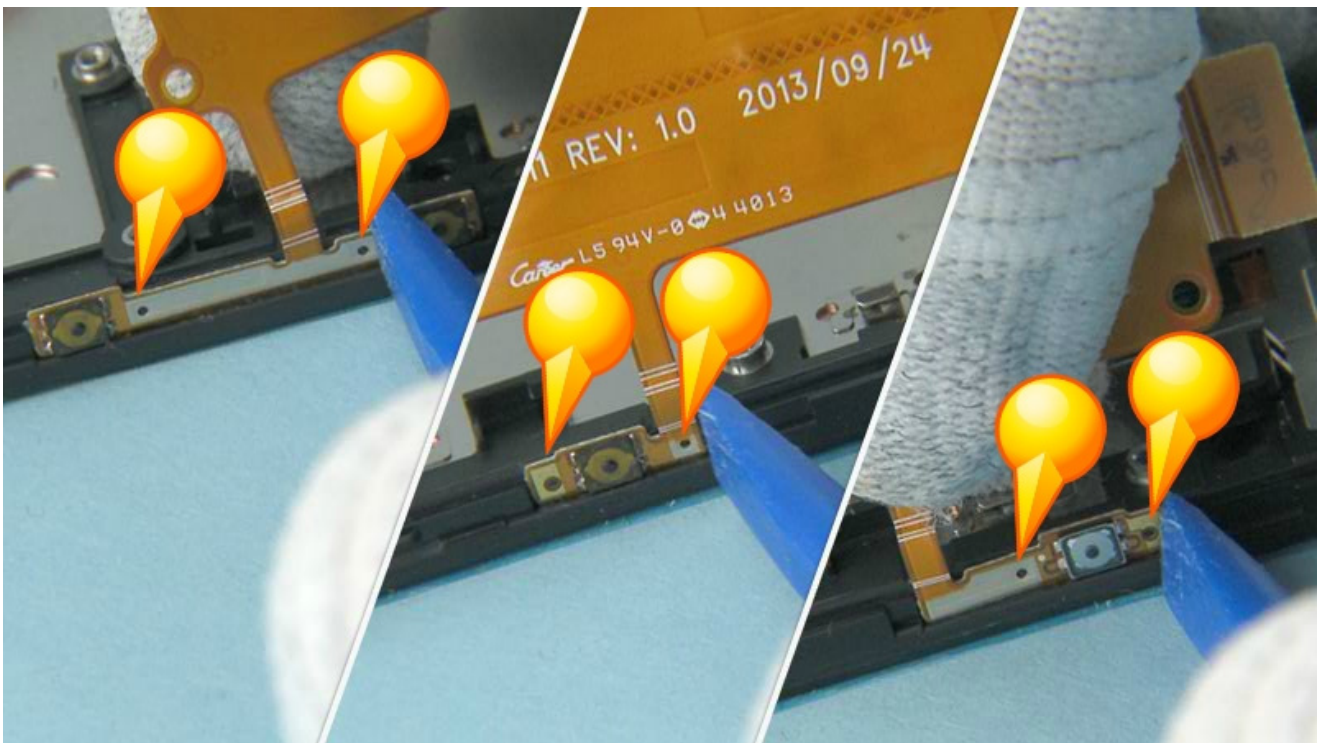
21) Use tweezers to peel off the protective film from both BATTERY ADHESIVES. Then place them on the A-COVER as shown.



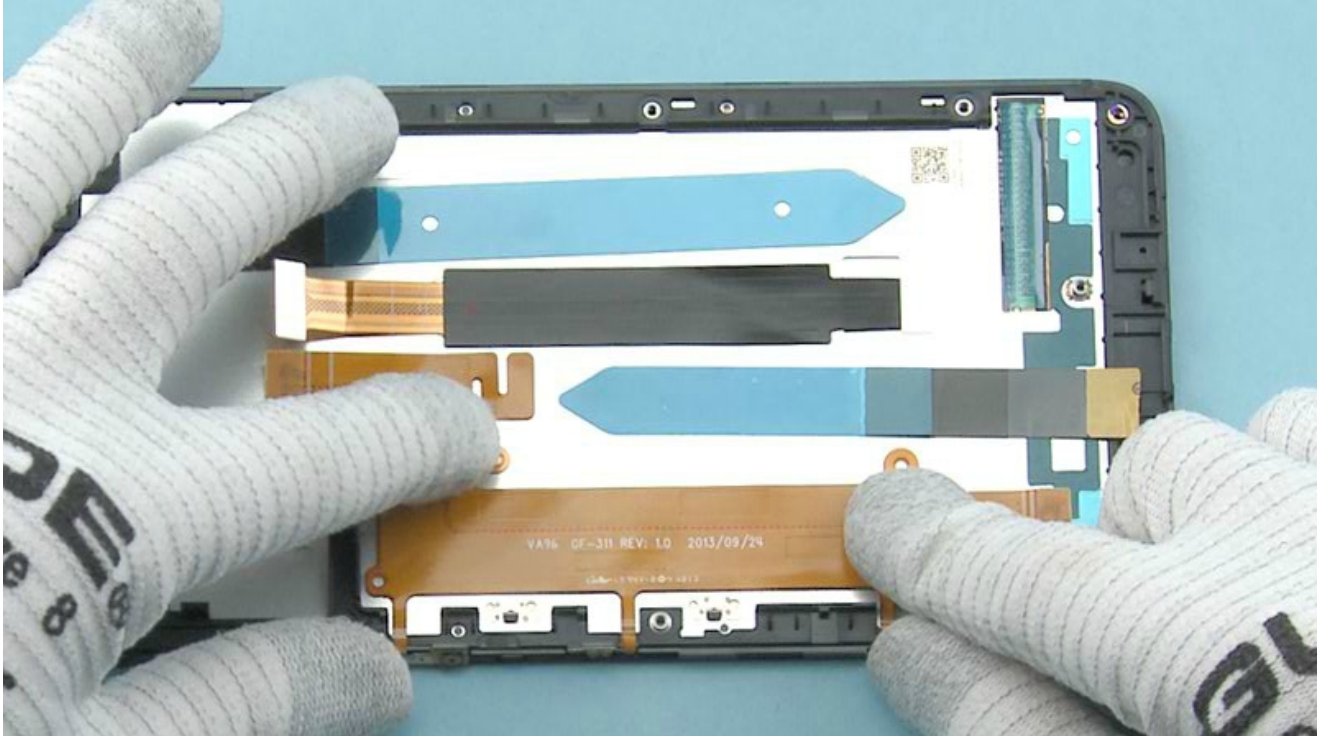
22) Remove the protective films from the SIDE KEY FLEX.



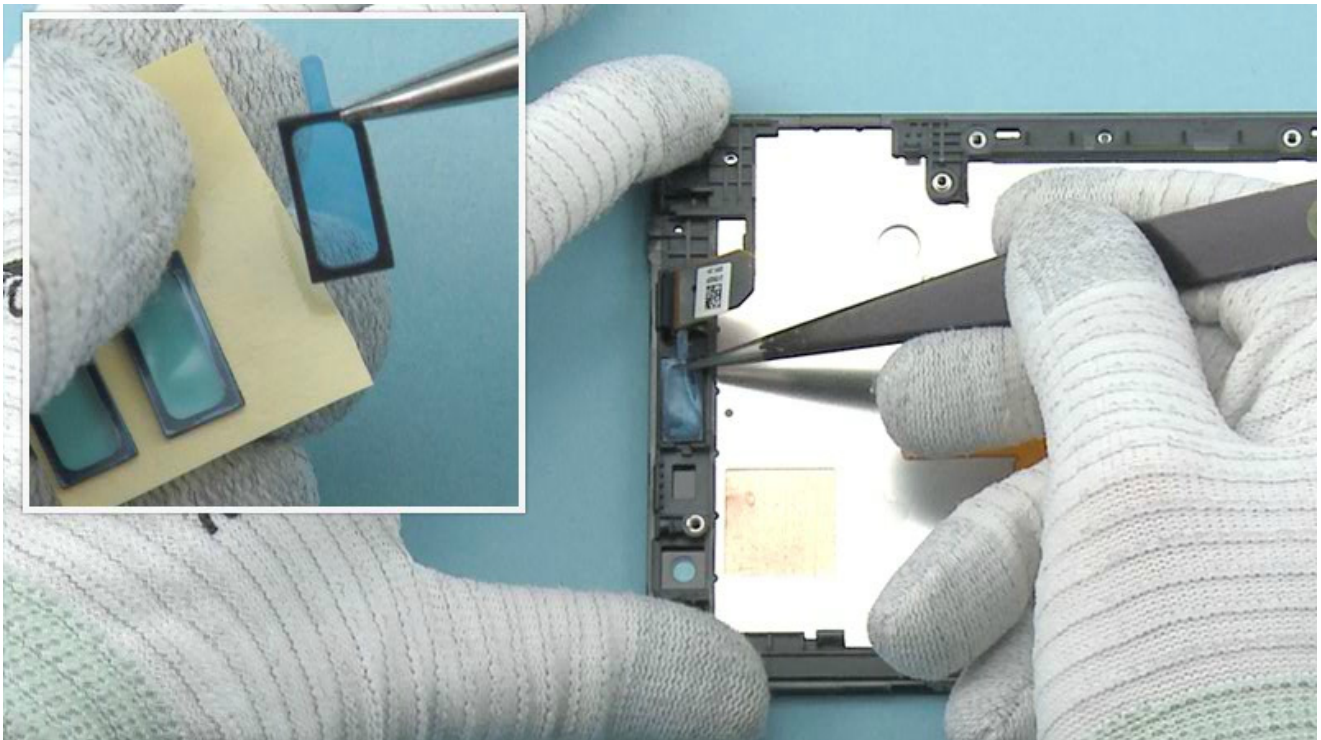
23) Attach the shown key parts of the flex first to the A-COVER.



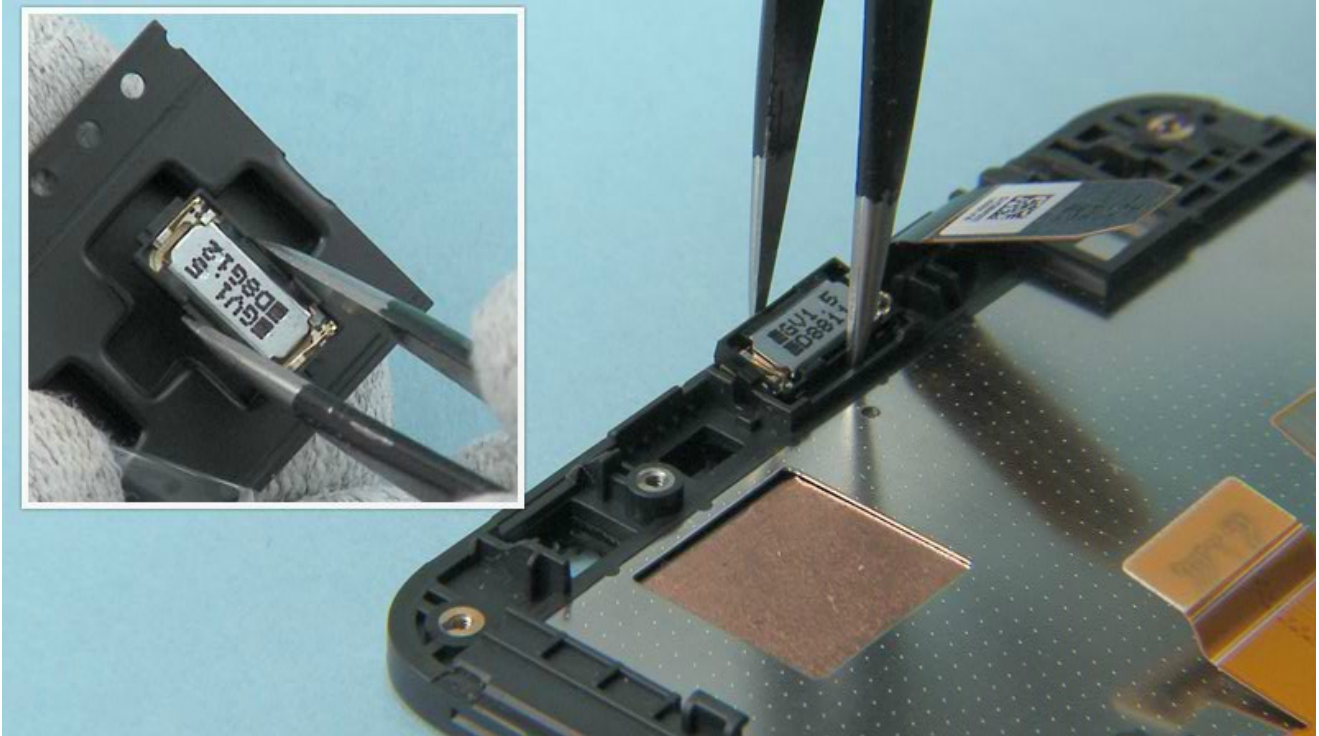
24) Use the guidings when aligning the flex.



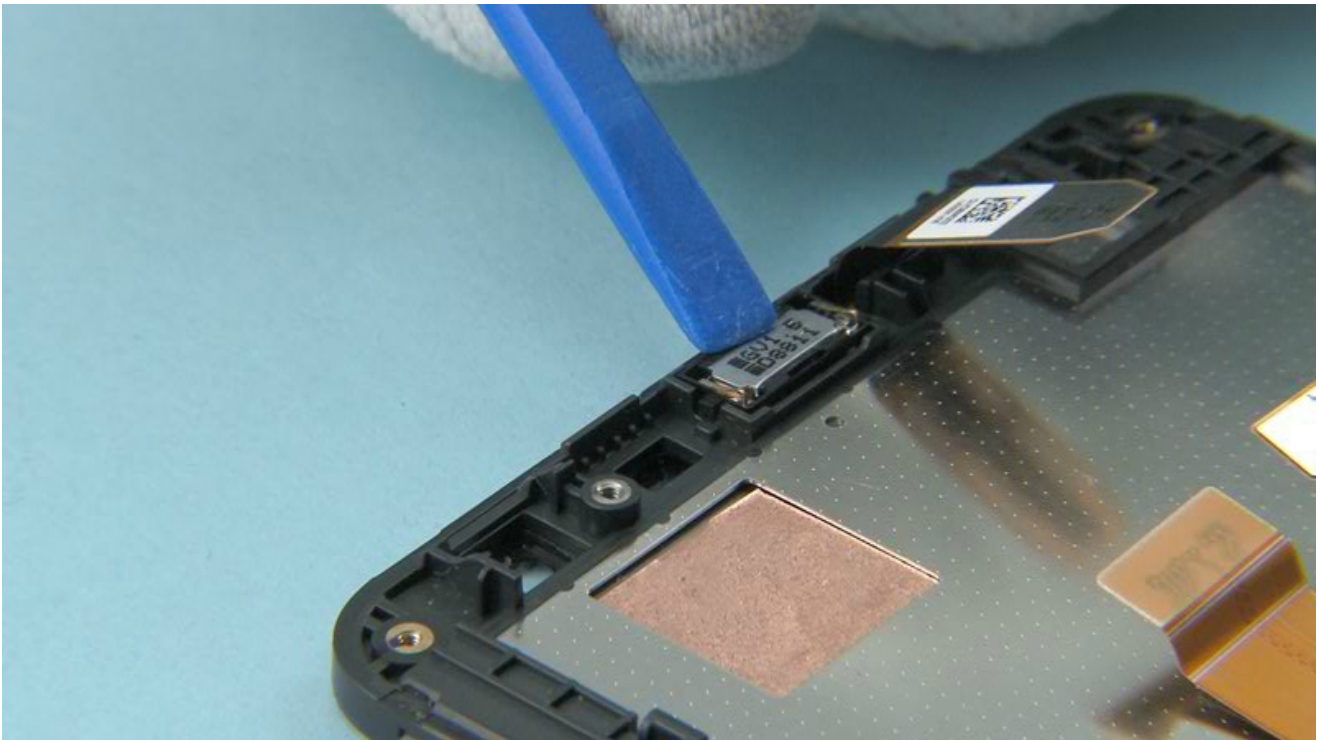
25) Bend the flex carefully onto the A-COVER. Press gently with fingers to activate the adhesive.



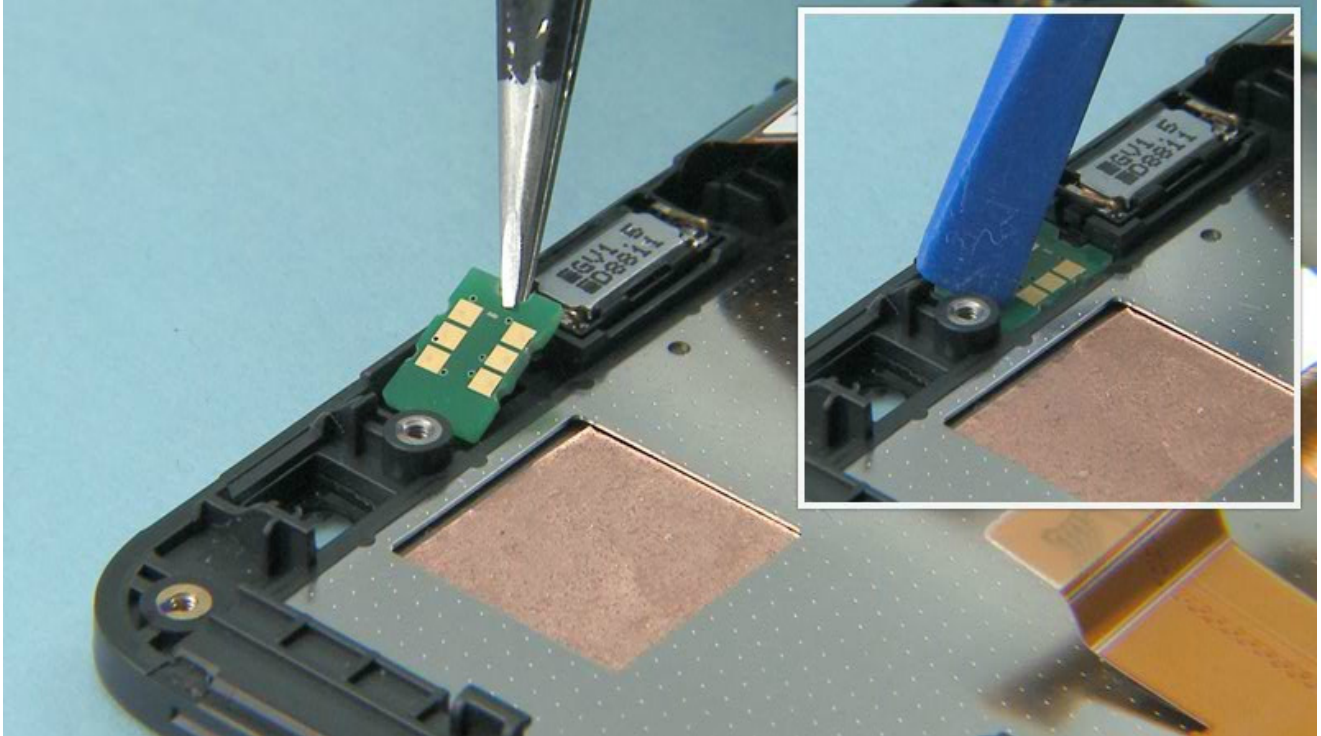
26) Use tweezers to pick a new EARPIECE ADHESIVE. Place it into the EARPIECE gavity. Remove the protective film with tweezers.



27) Unwrap a new earpiece and attach it with tweezers.



28) Press gently with the SS-93 to activate the adhesive.



29) Use tweezers to assemble the ALS/PROXIMITY SENSOR. Make sure it is attached properly.



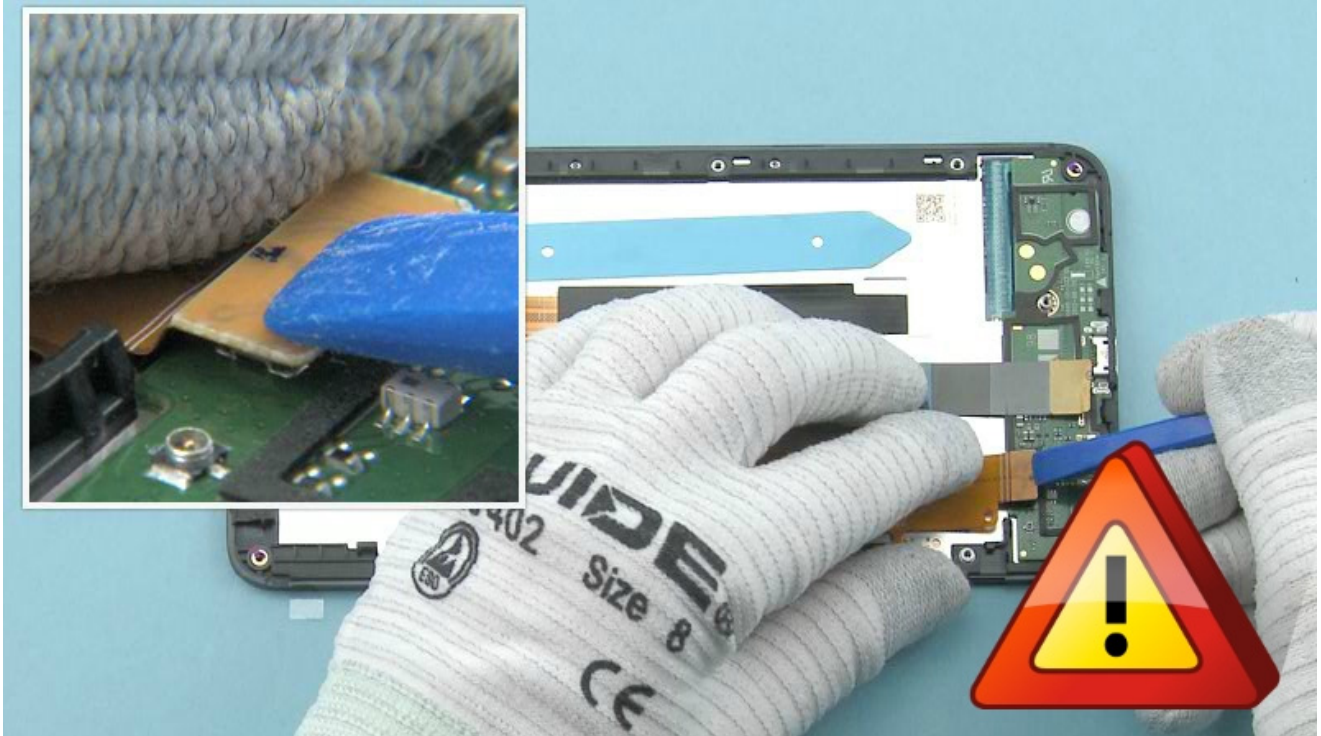
30) Peel off the protective film from the SUB BOARD ADHESIVE. Place the SUB BOARD to the A-COVER. While aligning the SUB BOARD be careful not to damage the SIDE KEY FLEX or connector.



31) Then slide the SUB BOARD into its place and make sure these clips are secured.

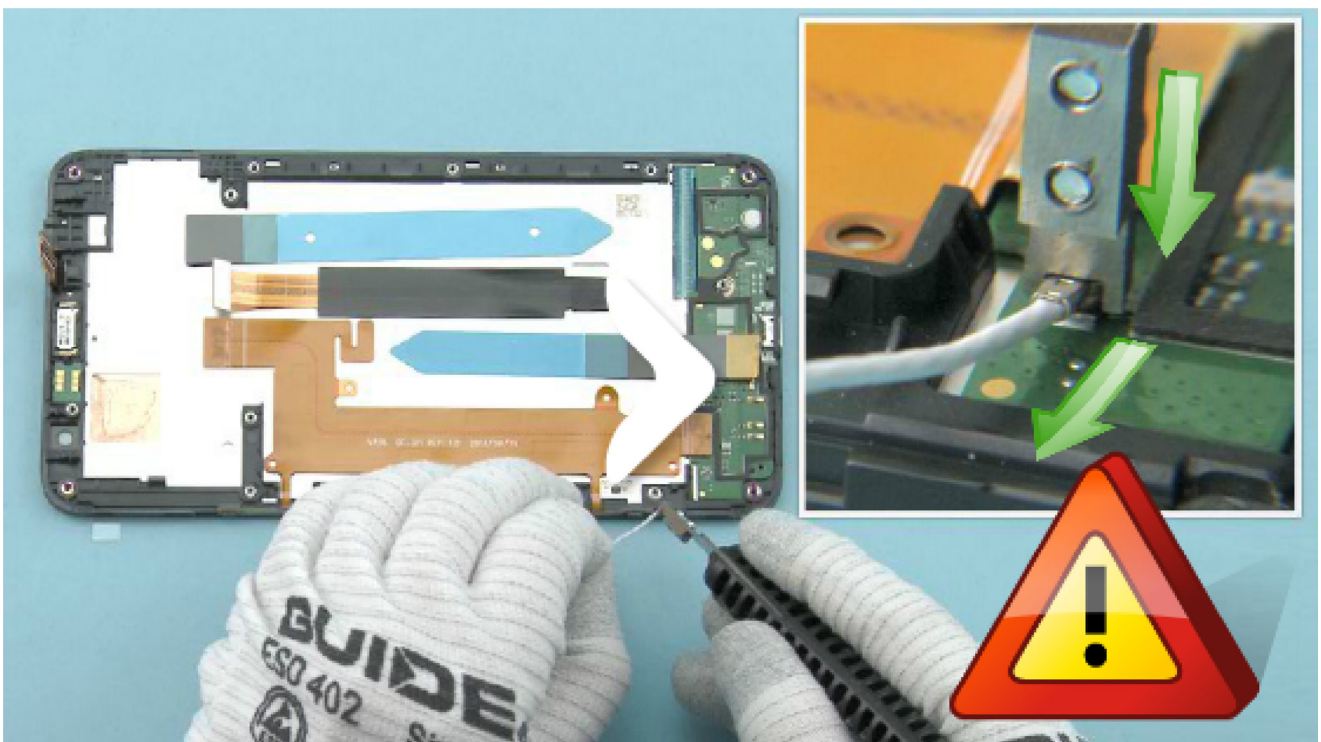


32) Check also that the SUB BOARD is aligned correctly.



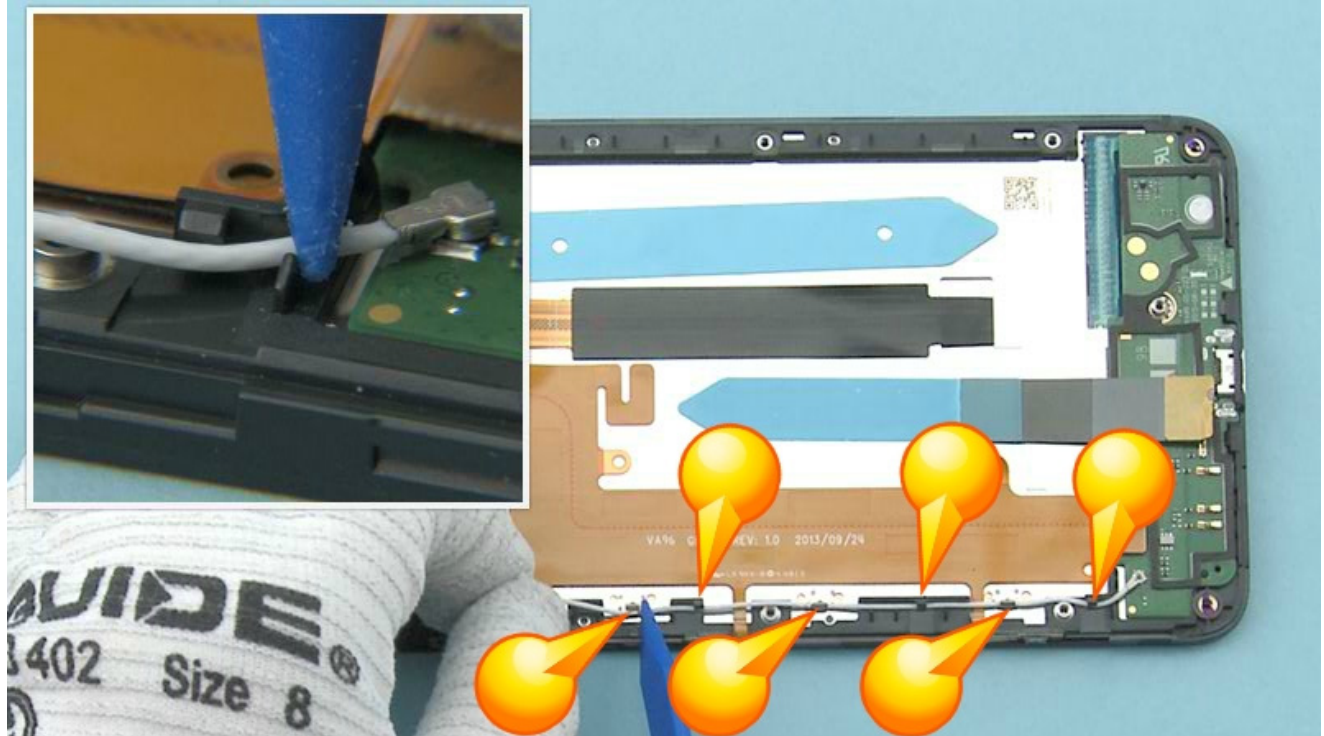
33) Use the SS-93 to connect the SIDE KEY FLEX CONNECTOR.

Be careful not to damage the connectors or any nearby components.

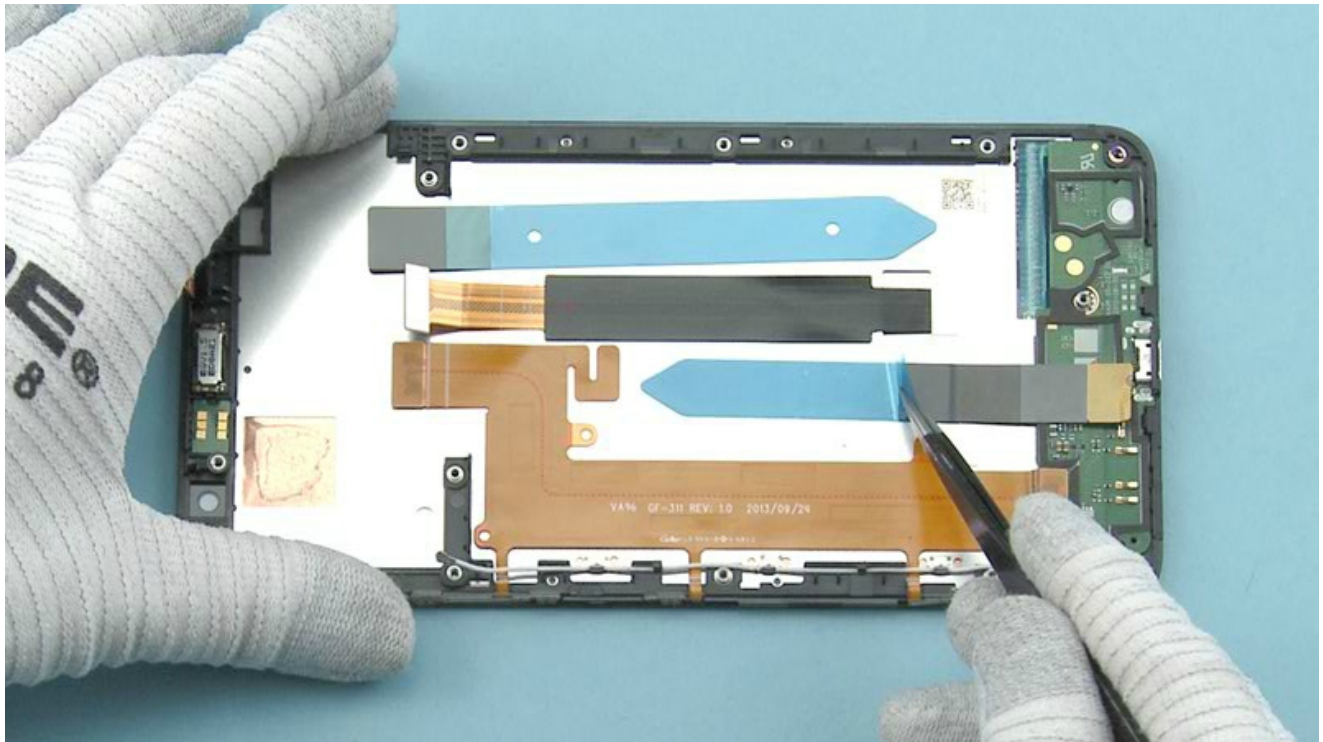


34) Place the SS-231 on top of the RF cable connector. Press the SS-231 carefully to secure the connector. Release the SS-231 by sliding it towards the cable.

Be careful not to damage the connector or any components nearby.



35) Use the SS-93 to route the RF CABLE and place it under the hooks.



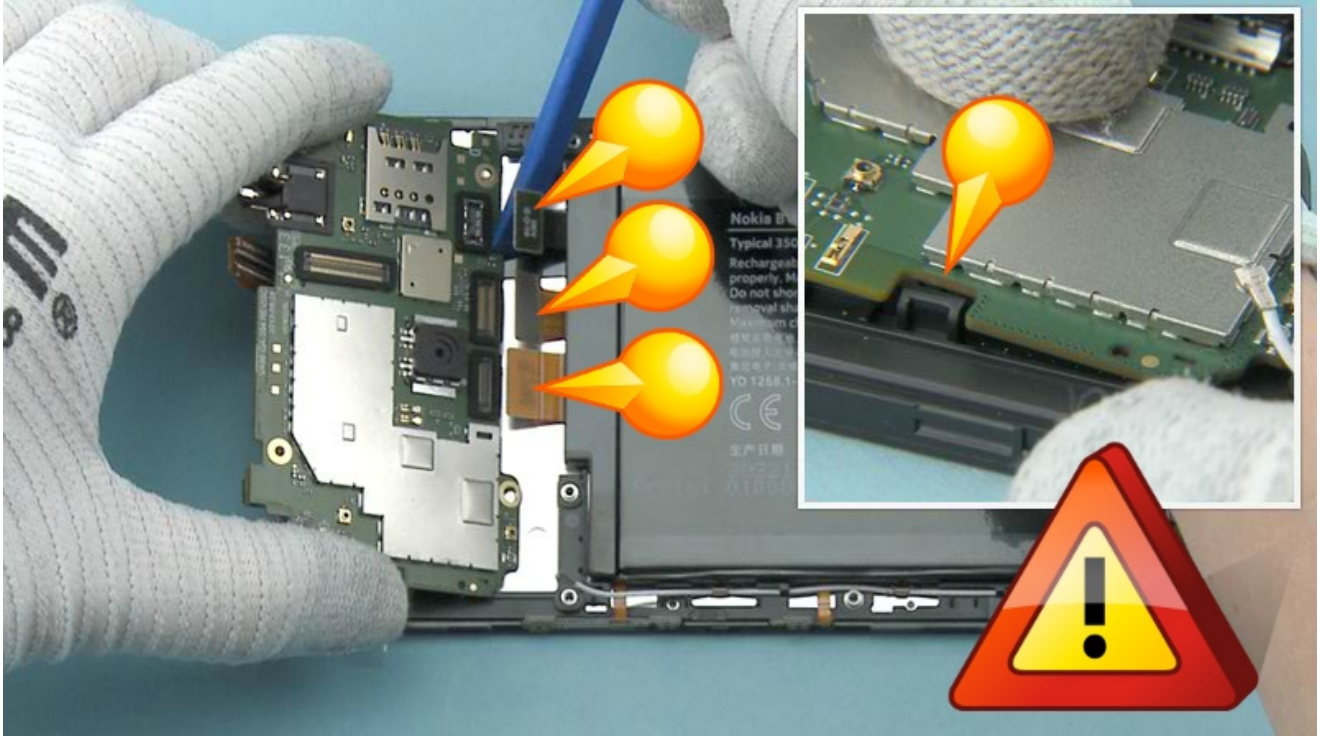
36) Use tweezers to peel off the protective film from both BATTERY ADHESIVES.



37) Place the BATTERY into the A-COVER ASSEMBLY. Press the BATTERY with fingers to secure it properly.

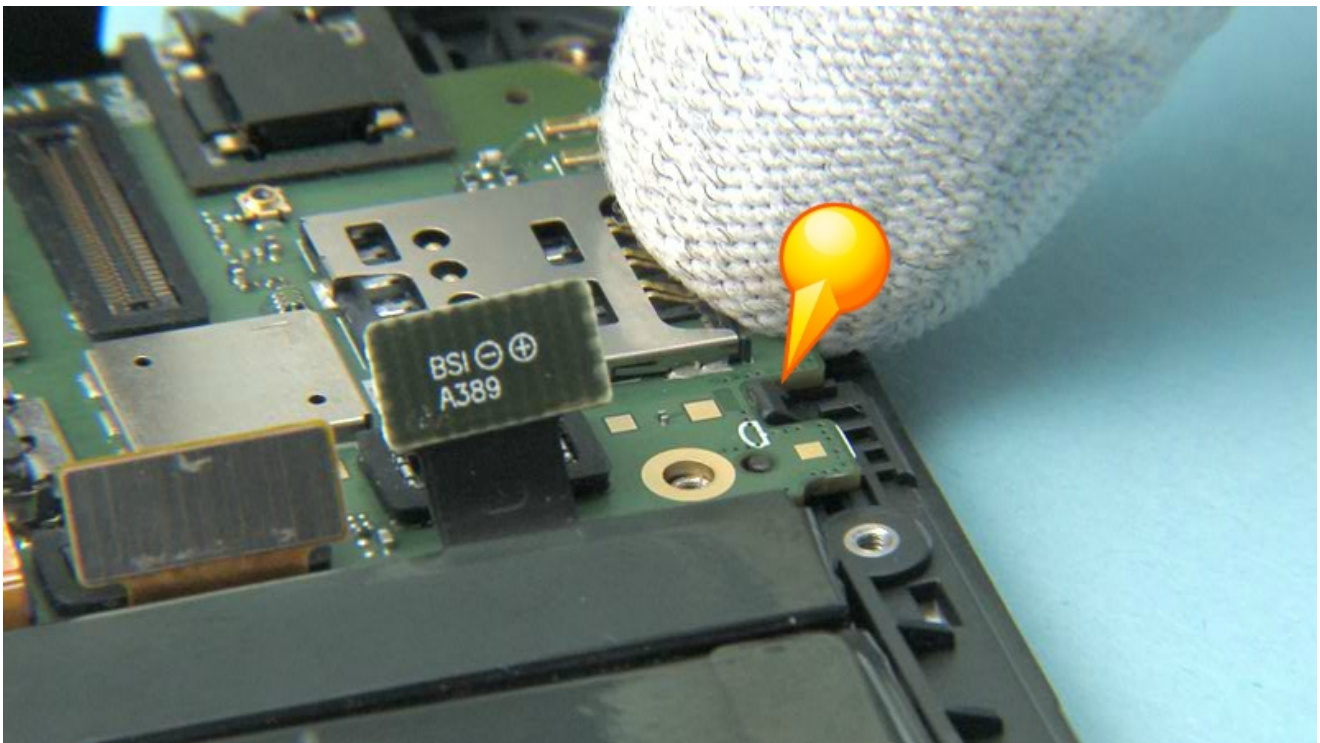


38) Peel off this protective film from the BATTERY ADHESIVE. Bend the adhesive on top of the BATTERY.



39) Place the ENGINE BOARD to the A-COVER ASSEMBLY. Check that the ENGINE BOARD goes under this clip.

While aligning the ENGINE BOARD be careful not to damage the connectors.



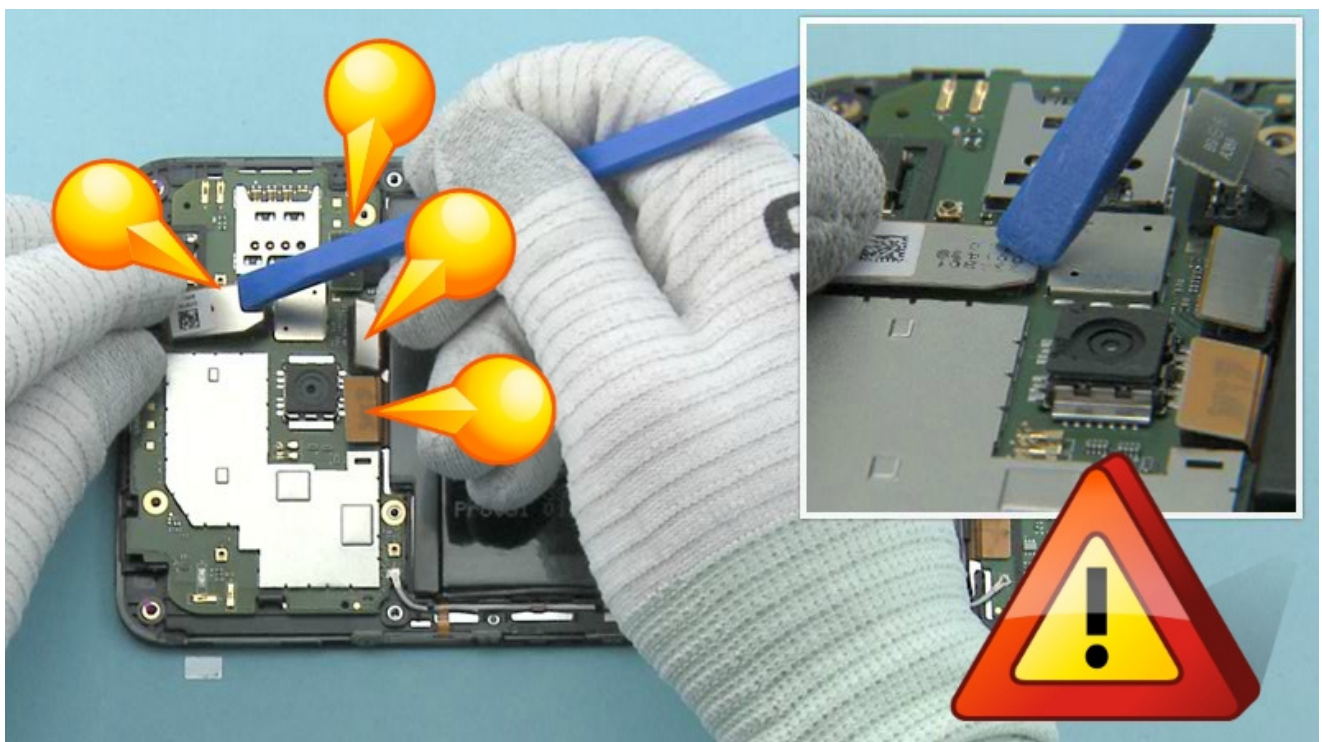
40) The clip on the other side must be secured also.



41) Place the SS-231 on top of the RF cable connector. Press the SS-231 carefully to secure the connector. Release the SS-231 by sliding it towards the cable.

Be careful not to damage the connector or any components nearby.

Make sure the RF CABLE is routed correctly and placed under the clips.

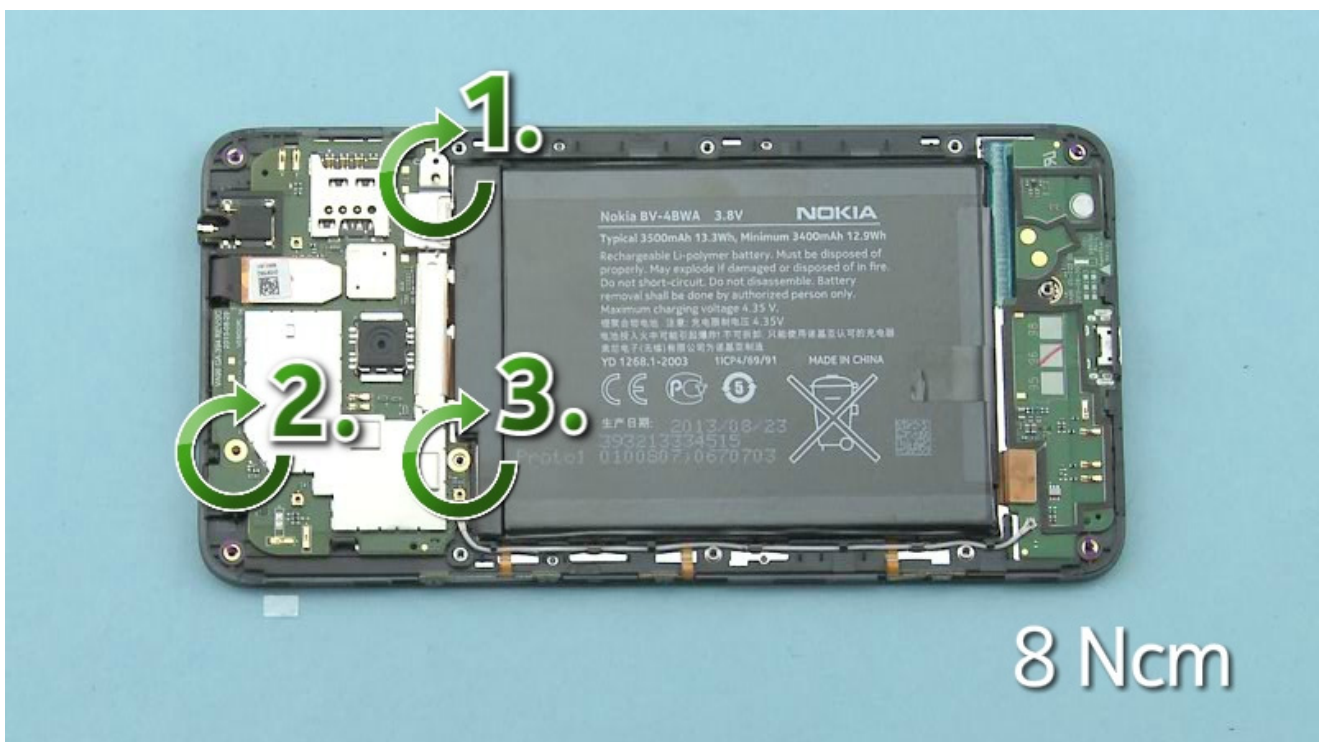


42) Use the SS-93 to carefully connect the TOUCH PANEL CONNECTOR, the SIDE KEY CONNECTOR, the DISPLAY CONNECTOR and the BATTERY CONNECTOR.

Be careful not to damage the connector or any components nearby.



43) Use tweezers to attach the B2B BRACKET. Fasten the shown clip first and then lower down the other end.



44) Fasten the three TORX+ size 5 screws in the order shown to the torque of 8 Ncm.



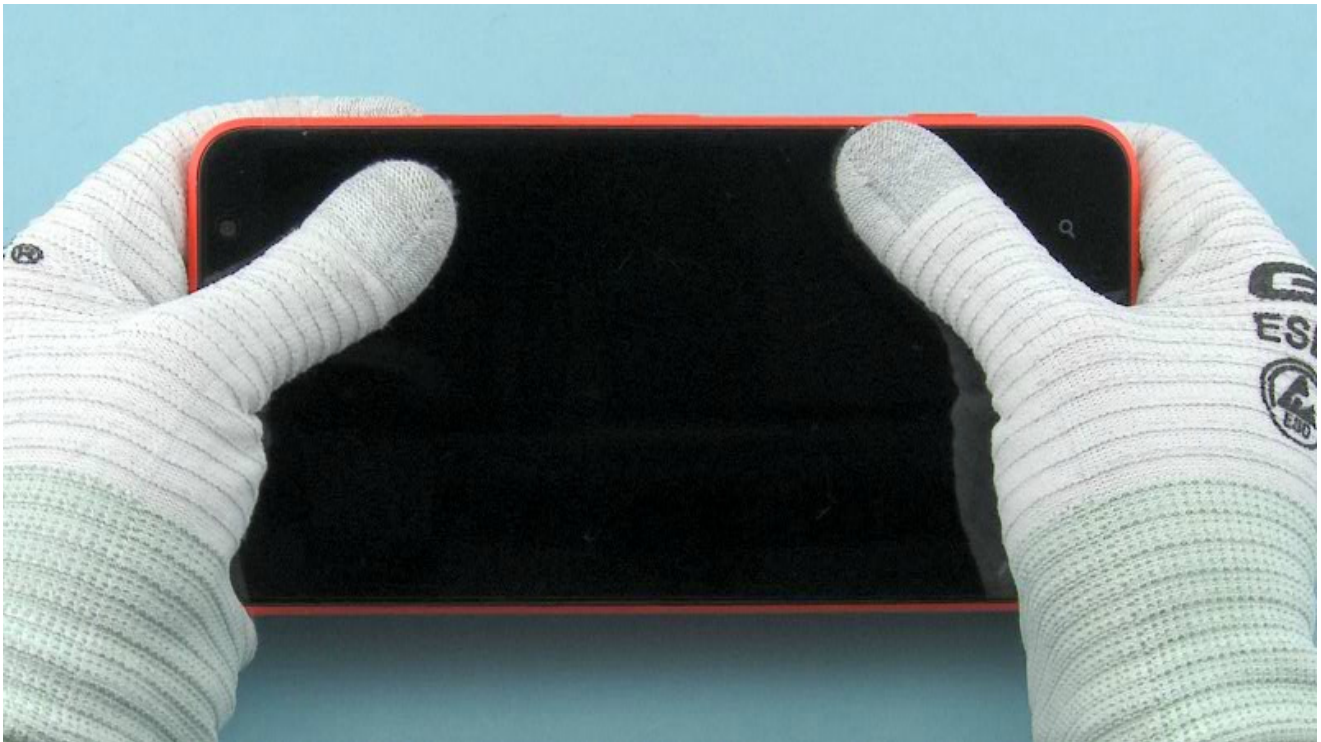
45) Combine the D-COVER ASSEMBLY and the A-COVER ASSEMBLY. Press the edges slightly to attach all the clips correctly.



46) Fasten the eleven TORX+ size 5 screws in the order shown to the torque of 12 Ncm.



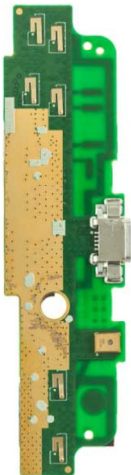
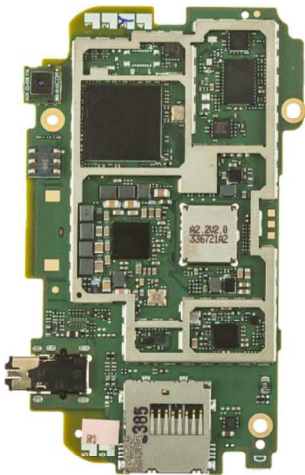
47) Align the bottom end of the A-COVER ASSEMBLY first to the BATTERY COVER.



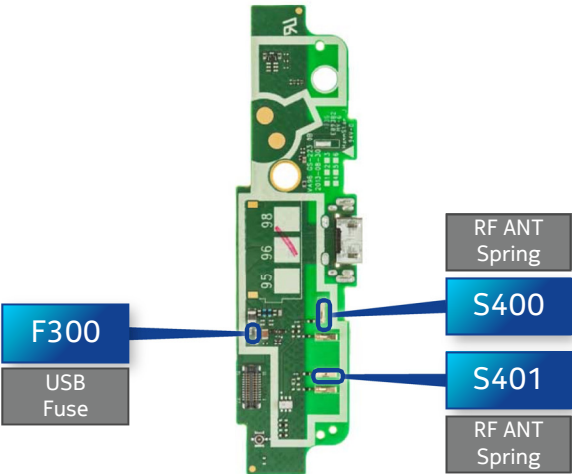
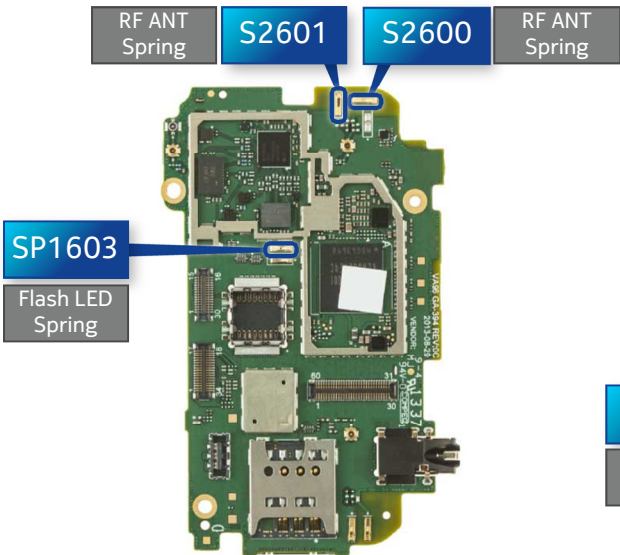
48) Then put down the other end and press slightly to attach the BATTERY COVER properly.
The Nokia Lumia 1320 assembly procedure is complete.

-END OF ASSEMBLY-

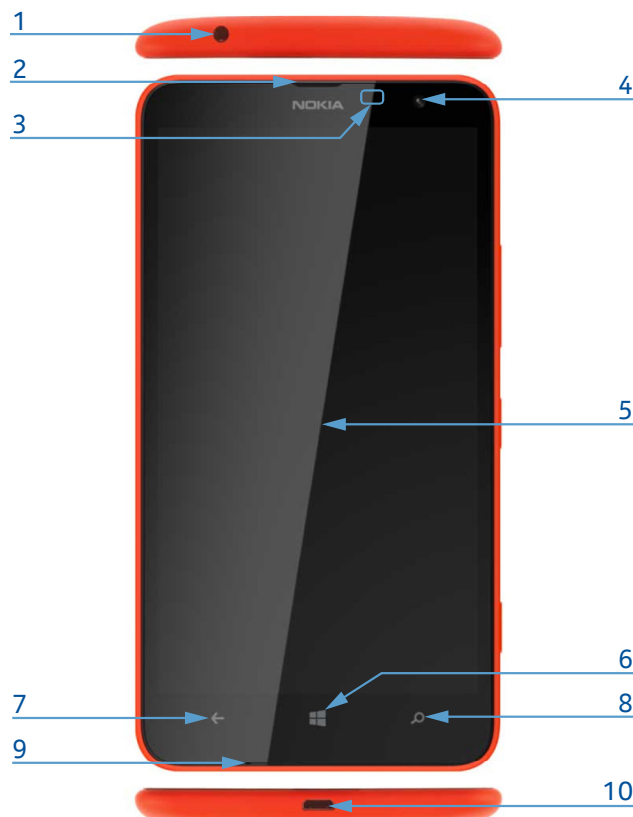
TOP



BOTTOM



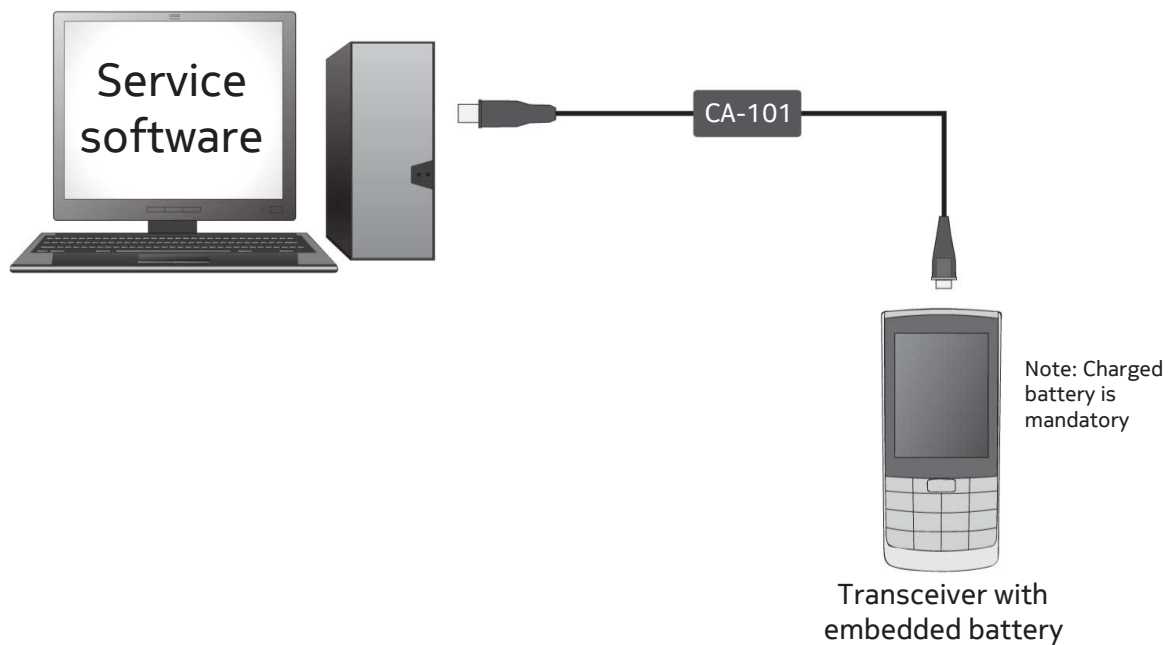
		
CA-190CD Service cable	AC-20, AC-50c (inbox charger for China only), AC-60	SS-305 Camera removal tool
		
SS-231 RF cable opening tool	Nokia Standard Toolkit (v2) For more information, refer to the Service Bulletin (SB-011) on Nokia Online. Supplier or manufacturer contacts for tool re-order can be found in "Recommended service equipment" document on Nokia Online.	



- 1 — 3.5 mm AHJ connector
- 2 — Earpiece
- 3 — Ambient light & proximity sensor
- 4 — Front camera
- 5 — Touch screen
- 6 — Start key
- 7 — Back key
- 8 — Search key
- 9 — Microphone
- 10 — Micro-USB connector
- 11 — LED flash
- 12 — Camera
- 13 — Volume keys
- 14 — Power/lock key
- 15 — Camera key
- 16 — Loudspeaker
- 17 — BT/GPS/Wi-Fi antenna
- 18 — MIMO antenna
- 19 — NFC area
- 20 — Cellular antenna



Flashing concept



Hardware reset

If the phone hardware is jammed, you should first recommend that the consumer performs a hardware reset. The hardware reset does not reset the Windows Live ID or remove any consumer data. Because the consumer cannot remove the battery to reset the phone the phone has a special electronic circuit which cuts the phone power when the volume down and the power key is pressed for 10 seconds.

To perform the hardware reset press the Volume down and the Power key and hold them for 10 seconds. The phone screen will turn black (phone is off). Then press the Power key to turn on the phone.

Note that the Nokia Lumia 1320 also supports a 1-key reset. To perform the 1-key hardware reset press and hold the Power key for 10 seconds.

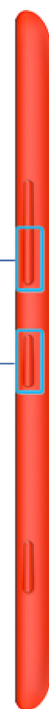
**PRESS
AND HOLD**

Volume down

AND

Power key

FOR 10 S



Software / operating system (OS) reset

The software / operating system (OS) reset returns the phone to its out-of-the-box state. Note that this procedure erases all consumer data! Always first try to perform a hardware reset.

To perform software reset tap **Settings > About > reset your phone**

