

Nokia Asha 501

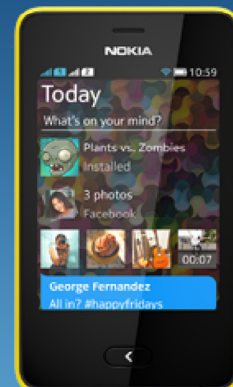
Nokia Asha 501 Dual SIM

RM-899, RM-900 (Single SIM)
RM-902 (Dual SIM)

Key features

- Totally new Asha Platform OS
- Fastlane with Swipe Motion
- Social and always connected
- 3.0" QVGA display
- Capacitive touch panel

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

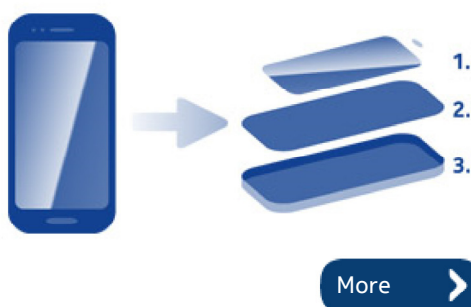


Version 1.0

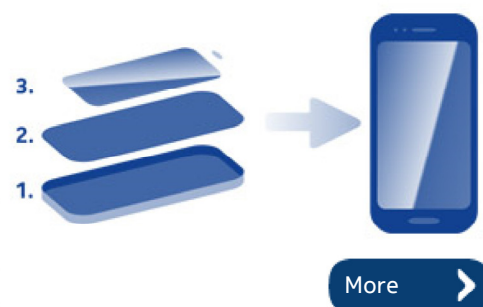
Exploded view



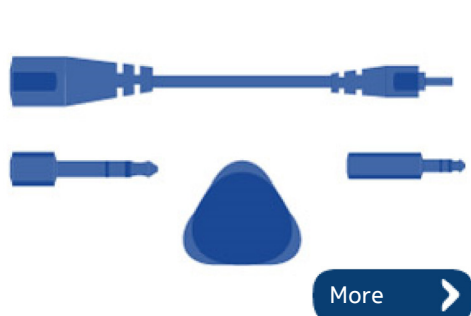
Disassembly steps



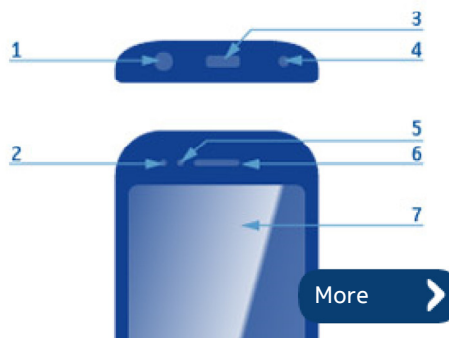
Assembly hints



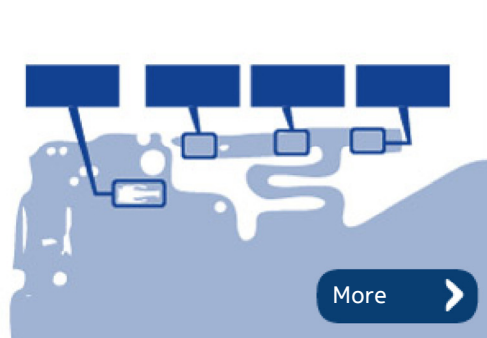
Service devices



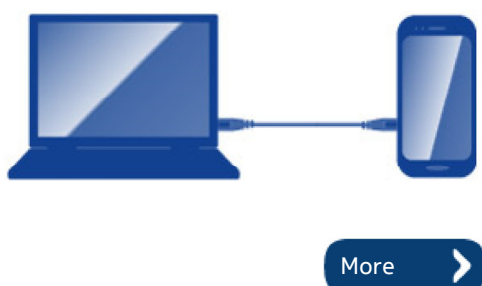
Product controls and interfaces



Solder components



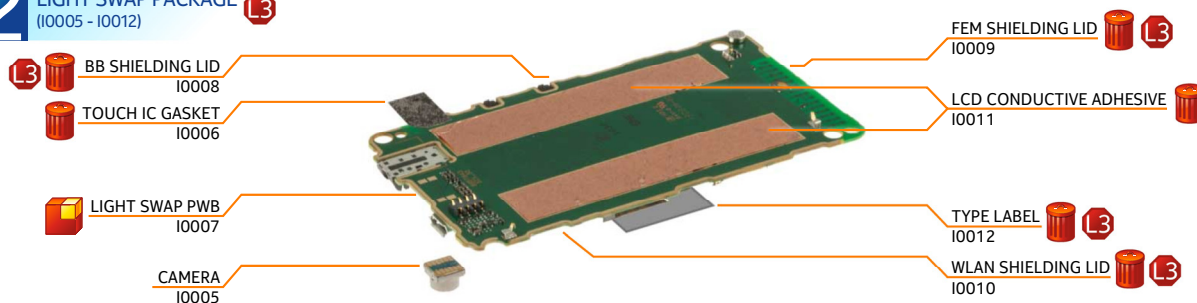
Service concept



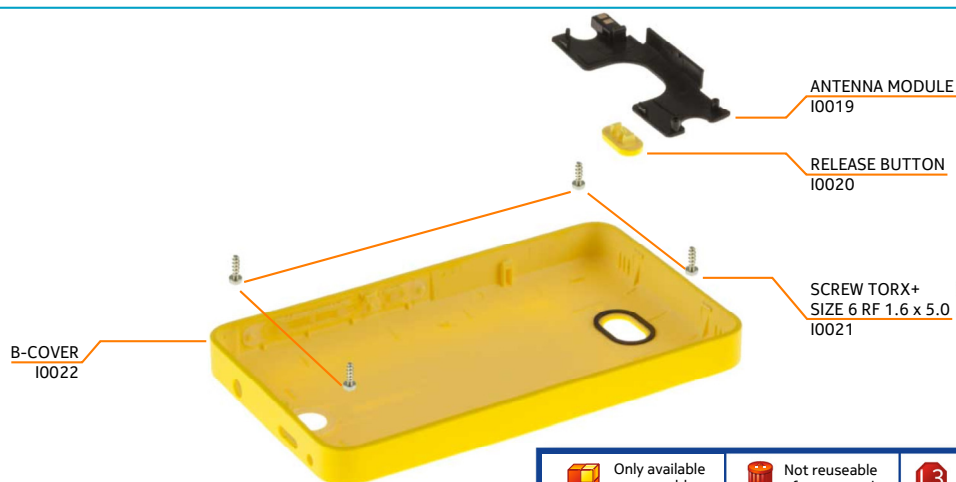
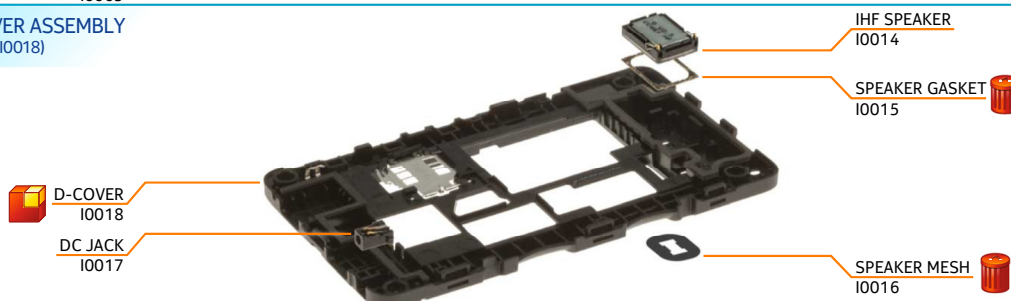
A1 A-COVER AND TOUCH ASSEMBLY (I0001 - I0003)



A2 LIGHT SWAP PACKAGE L3 (I0005 - I0012)



A3 D-COVER ASSEMBLY (I0014 - I0018)



v1.0



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 a DC plug and the camera removal tool SS-276.

Disassembly instructions are made with dual SIM variant.



2) Protect the A-COVER with protective film.



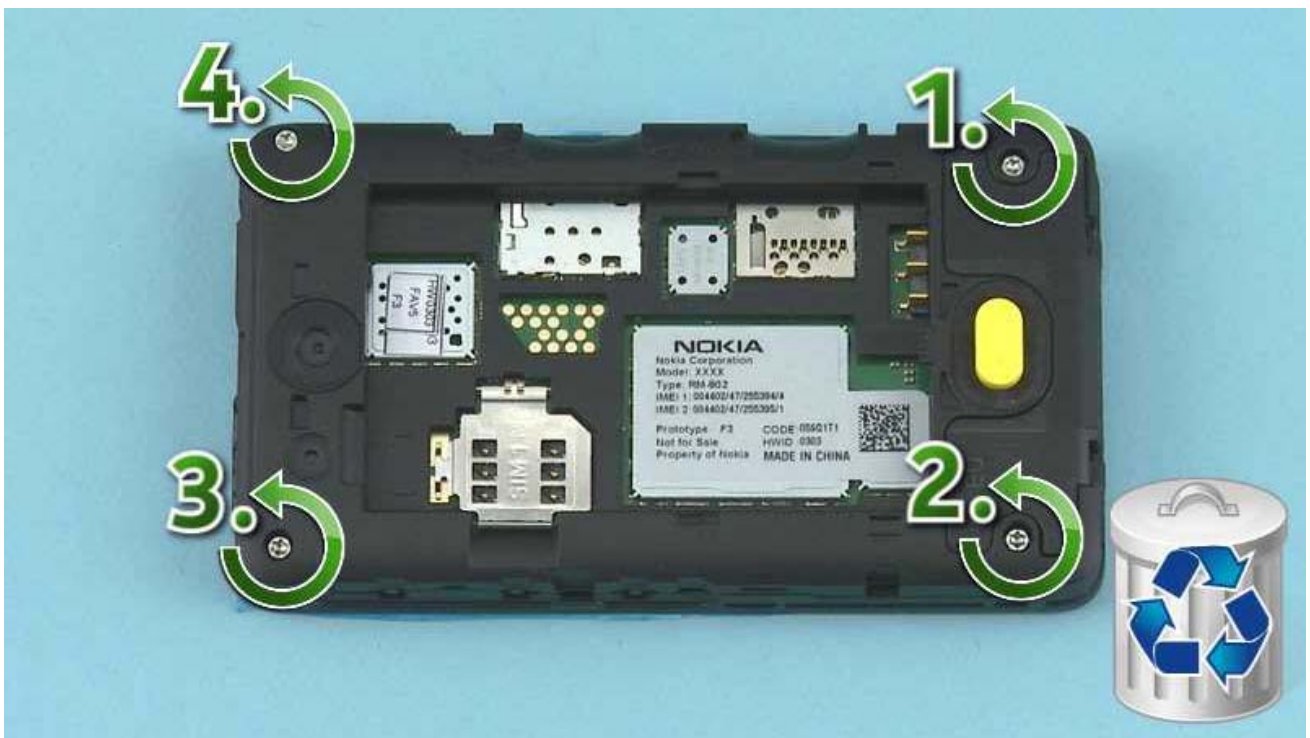
3) To detach the B-COVER press the RELEASE BUTTON and then pull the B-COVER with fingers.



4) Remove the B-COVER.



5) Use the finger notch to pull out and remove the battery.



6) Unscrew the four Torx+ size 6 screws in the order shown. Do not use them again.



7) Start releasing the A-COVER from the bottom end of the device. Insert the SRT-6 between the A-COVER and D-COVER and release the two clips holding the A-COVER.

NOTE: SRT-6 must be inserted vertically to avoid damages in covers.



8) Continue to release the A-COVER by inserting the SRT-6 into the gap between the A-COVER and D-COVER on the memory card side of the device.

NOTE: SRT-6 must be inserted vertically to avoid damages in covers.



9) Pull the D-cover to direction shown to release the shown clips.

Pay attention not to damage the A-COVER.



10) Release the top corner using the SRT-6 in the same way.

NOTE: SRT-6 must be inserted vertically to avoid damages in covers.



11) To release the top end insert the SRT-6 into to the gap between USB and D-COVER.

Be careful not to damage the USB connector.



12) Lift the D-COVER upwards to release the clip next to the USB.

Pay attention not to damage the covers or the USB connector.



13) Lift the D-COVER as shown.

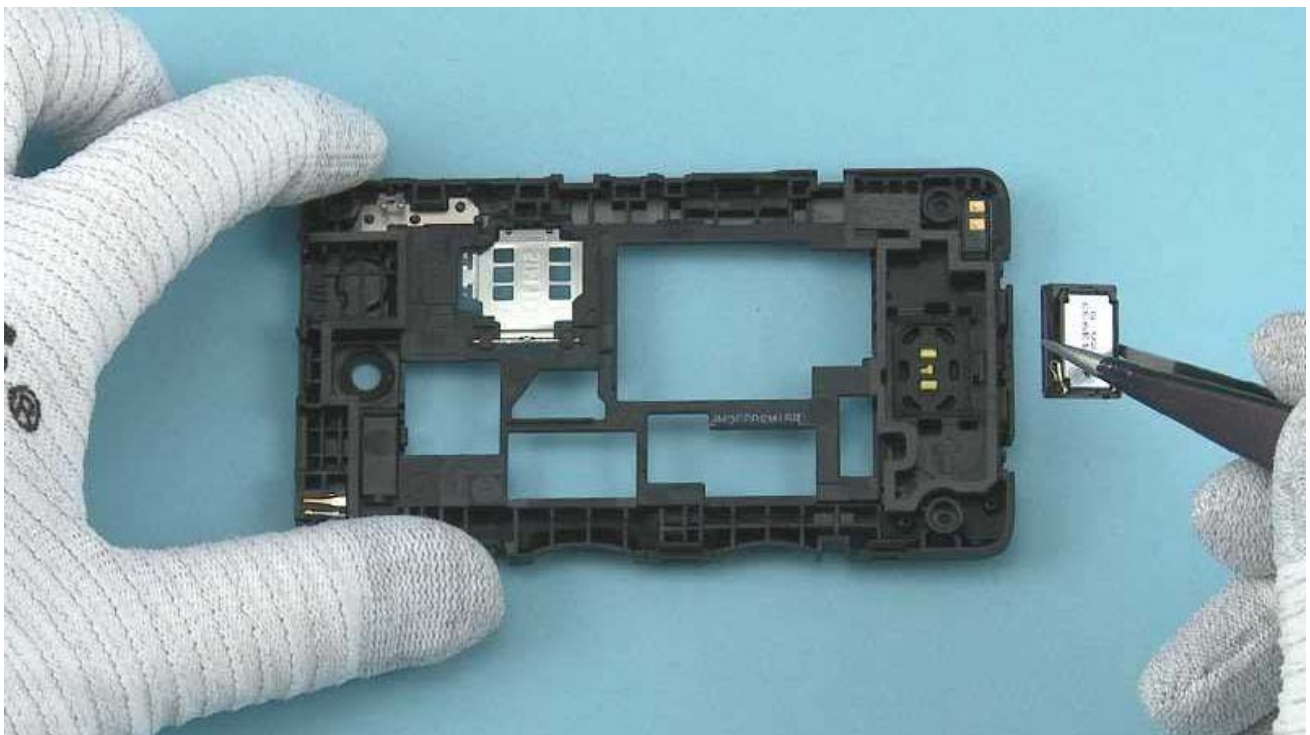


14) Remove the D-COVER.

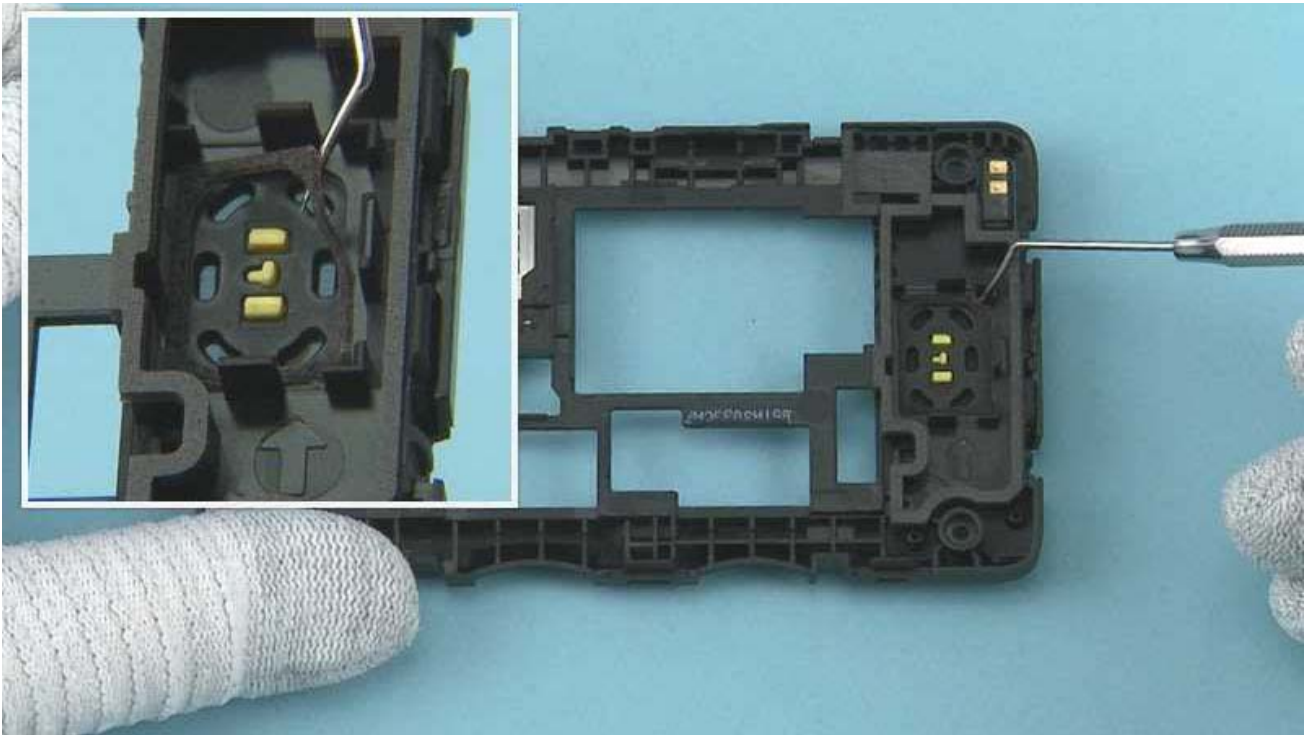


15) Use the dental tool to lever out the IHF SPEAKER.

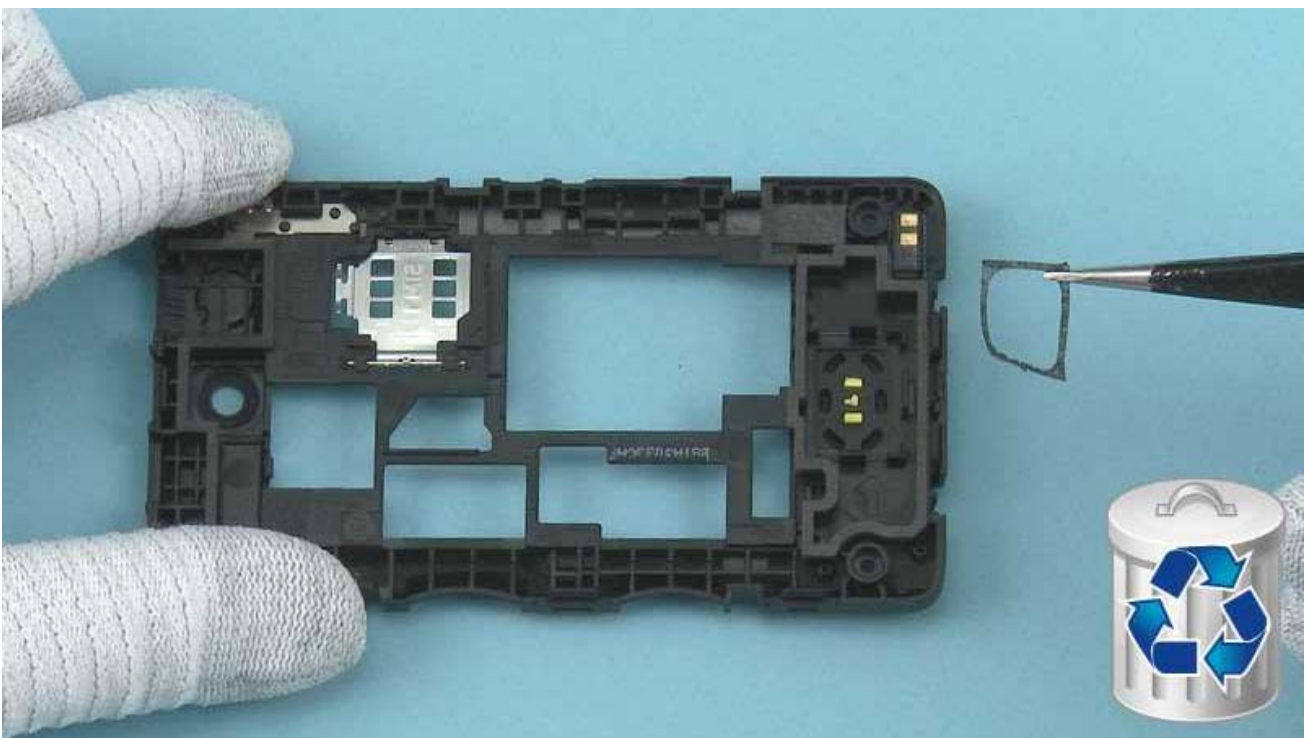
Be careful not to injure yourself with the sharp end of the dental tool.



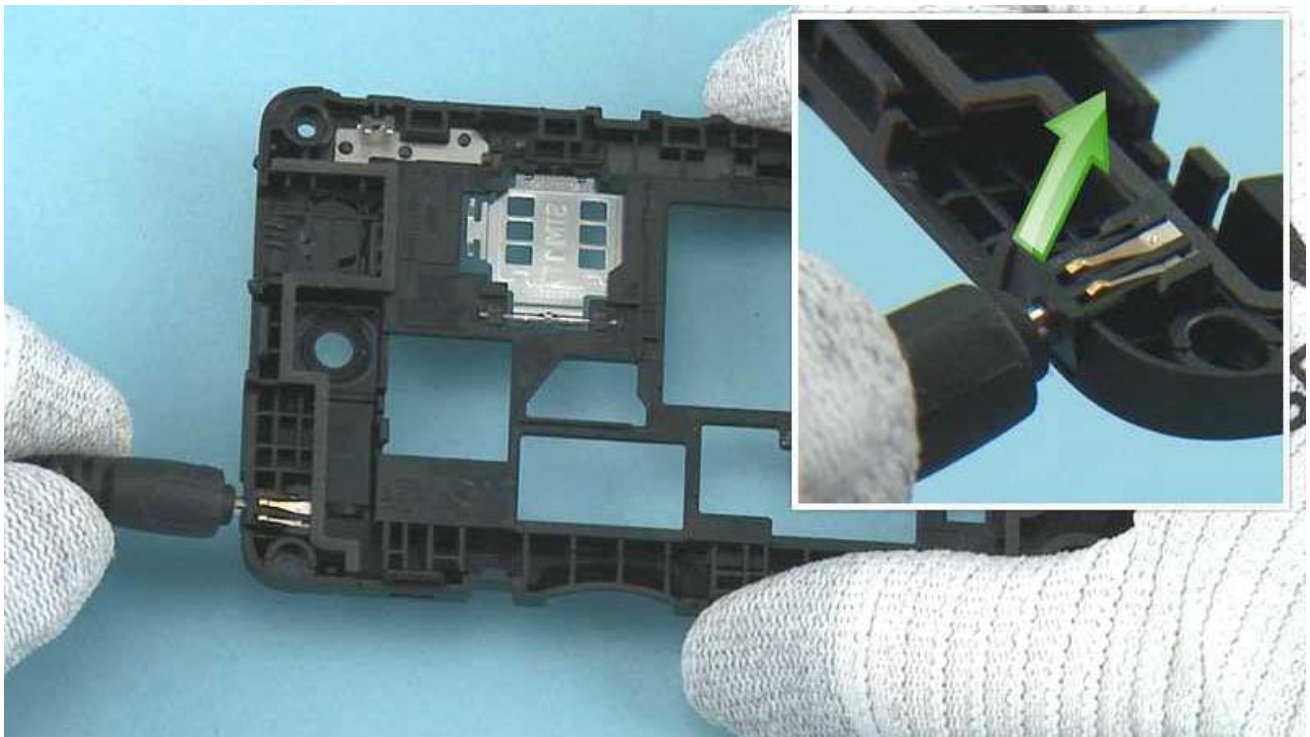
16) Use tweezers to remove the IHF SPEAKER.



17) Use the dental tool to detach the SPEAKER GASKET.



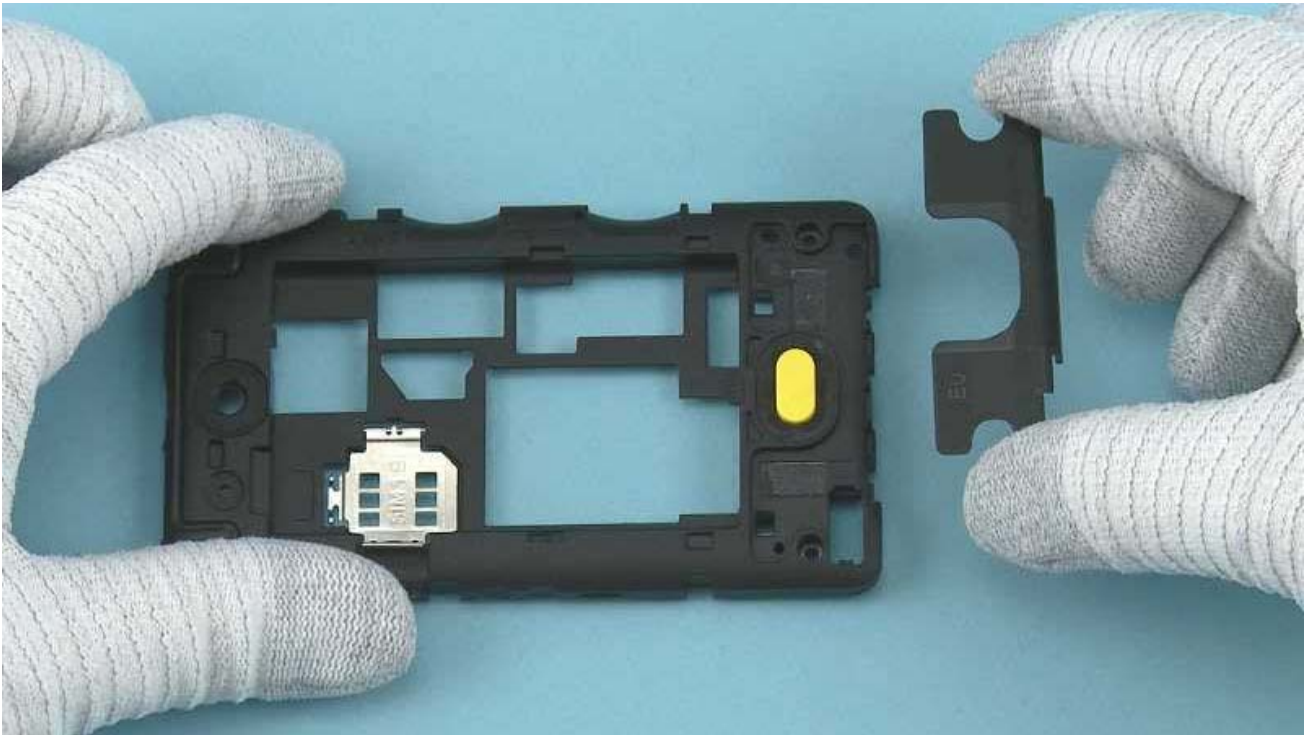
18) Use tweezers to remove the SPEAKER GASKET. Do not use it again. Discard it.



19) Use a DC plug to lift up and remove the DC JACK.

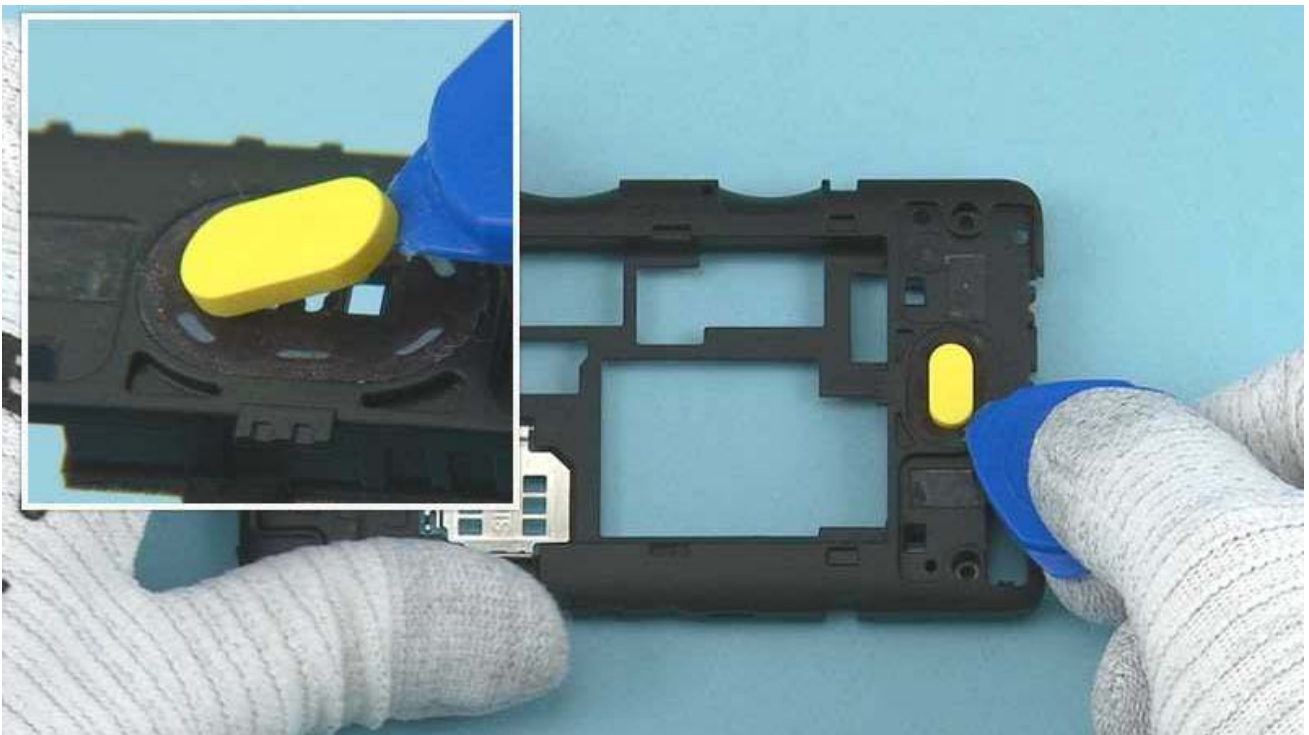


20) Insert the SRT-6 between the ANTENNA and D-COVER. Release the ANTENNA by pushing it as shown.



21) Remove the ANTENNA.

NOTE: The adhesive tapes are reusable and should stay on the D-COVER. If the adhesive tapes remain on the ANTENNA, peel them off and place onto the D-COVER.

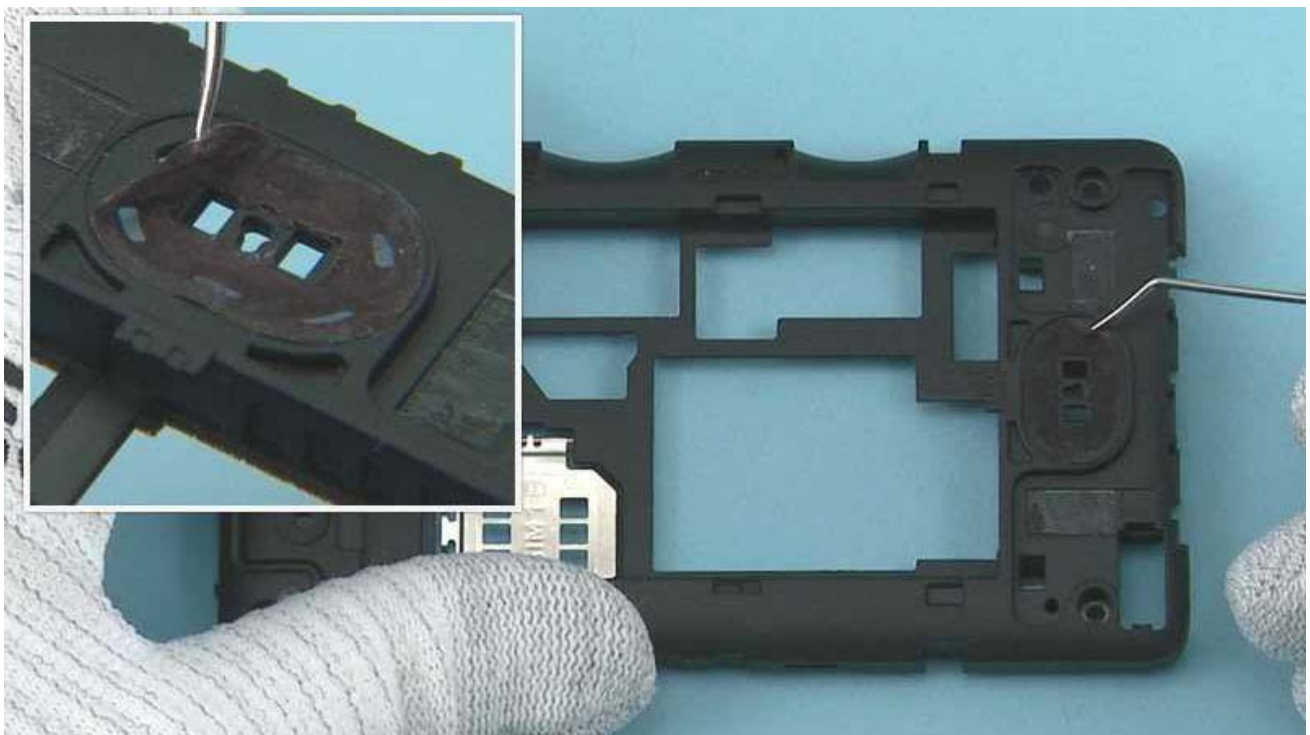


22) Use the SRT-6 to lever out the RELEASE BUTTON.



23) Use tweezers to remove the RELEASE BUTTON.

NOTE: Once the RELEASE BUTTON is removed the SPEAKER MESH has to be renewed also.



24) Use the dental tool to detach the SPEAKER MESH.



25) Remove the SPEAKER MESH with tweezers. Do not reuse it.



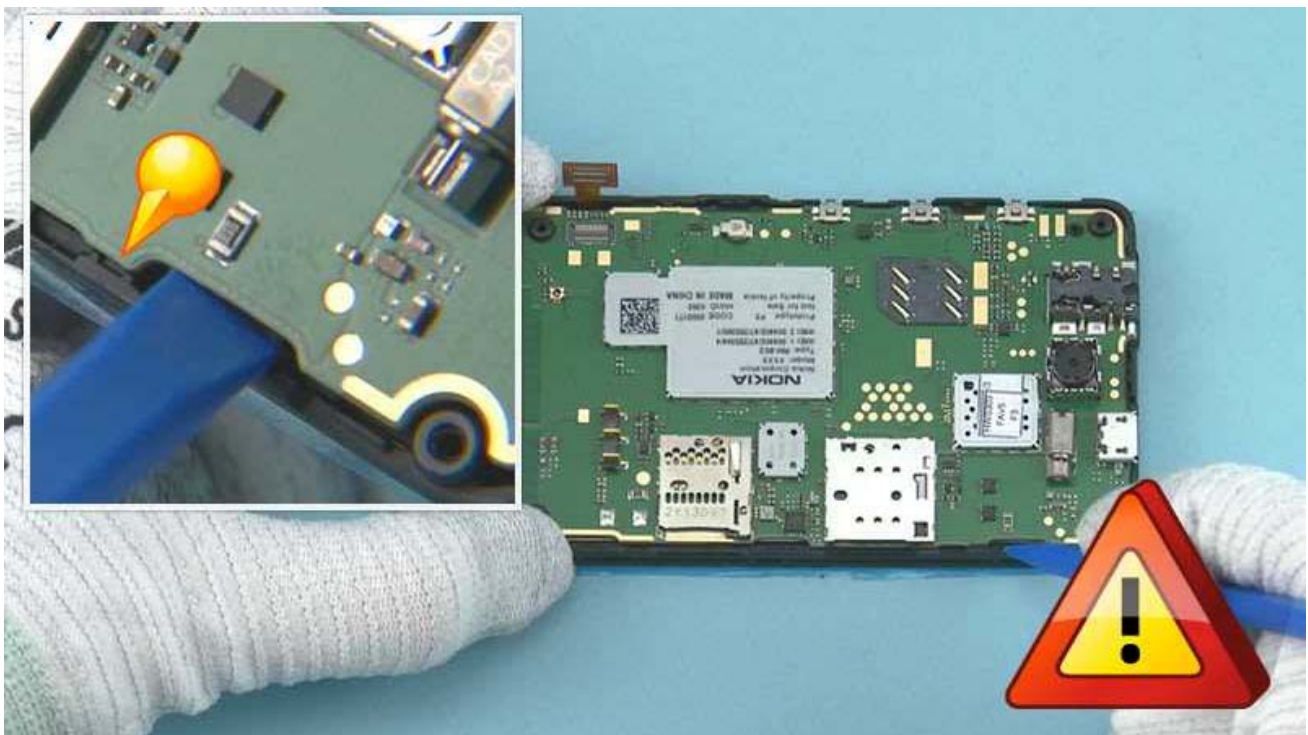
26) Disconnect the DISPLAY connector with the SS-93.

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



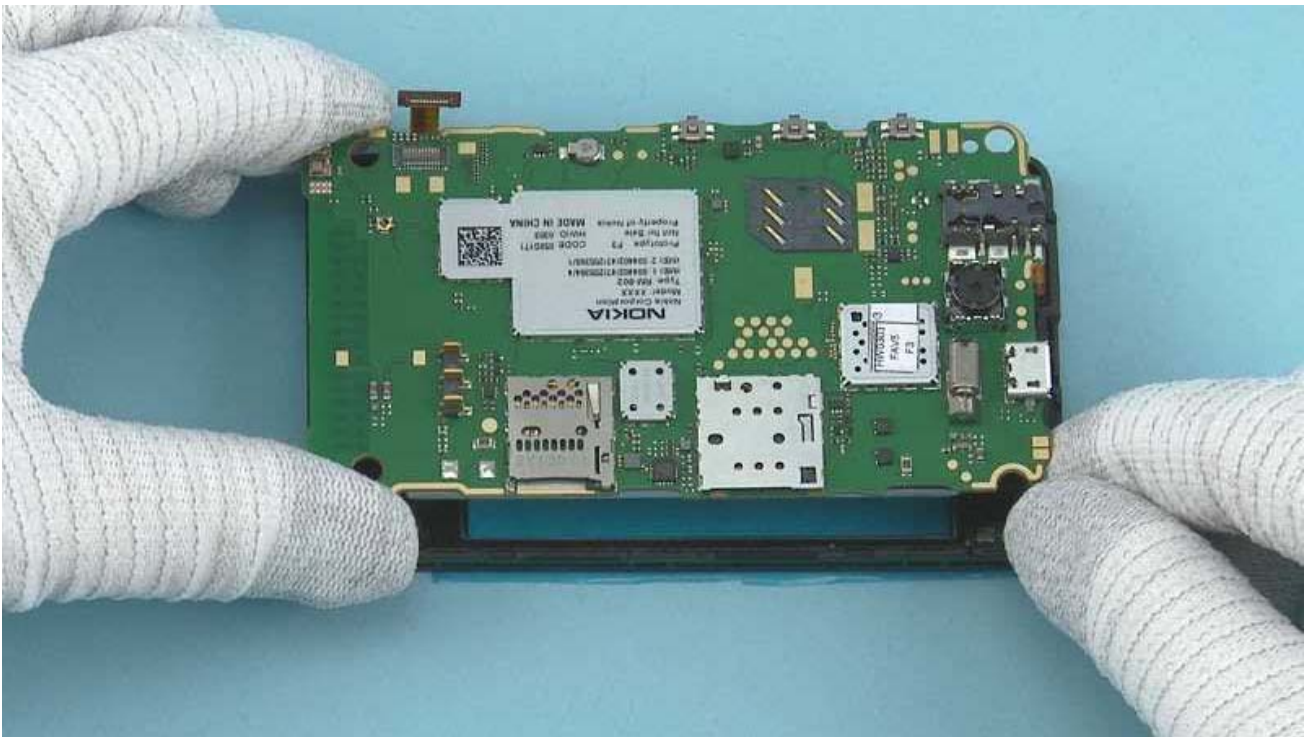
27) Lever up the ENGINE BOARD with the SS-93 from the shown place.

Be careful not to damage any components nearby.

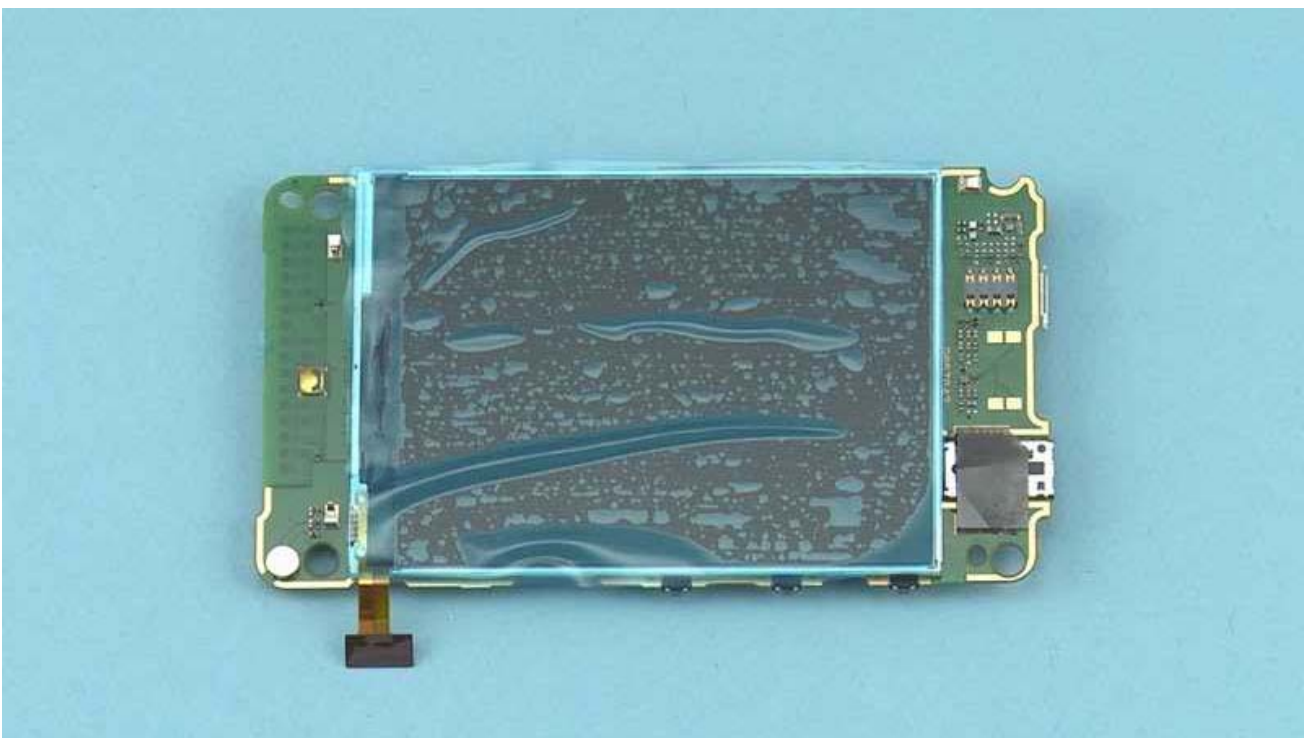


28) Release the shown clip with the SS-93.

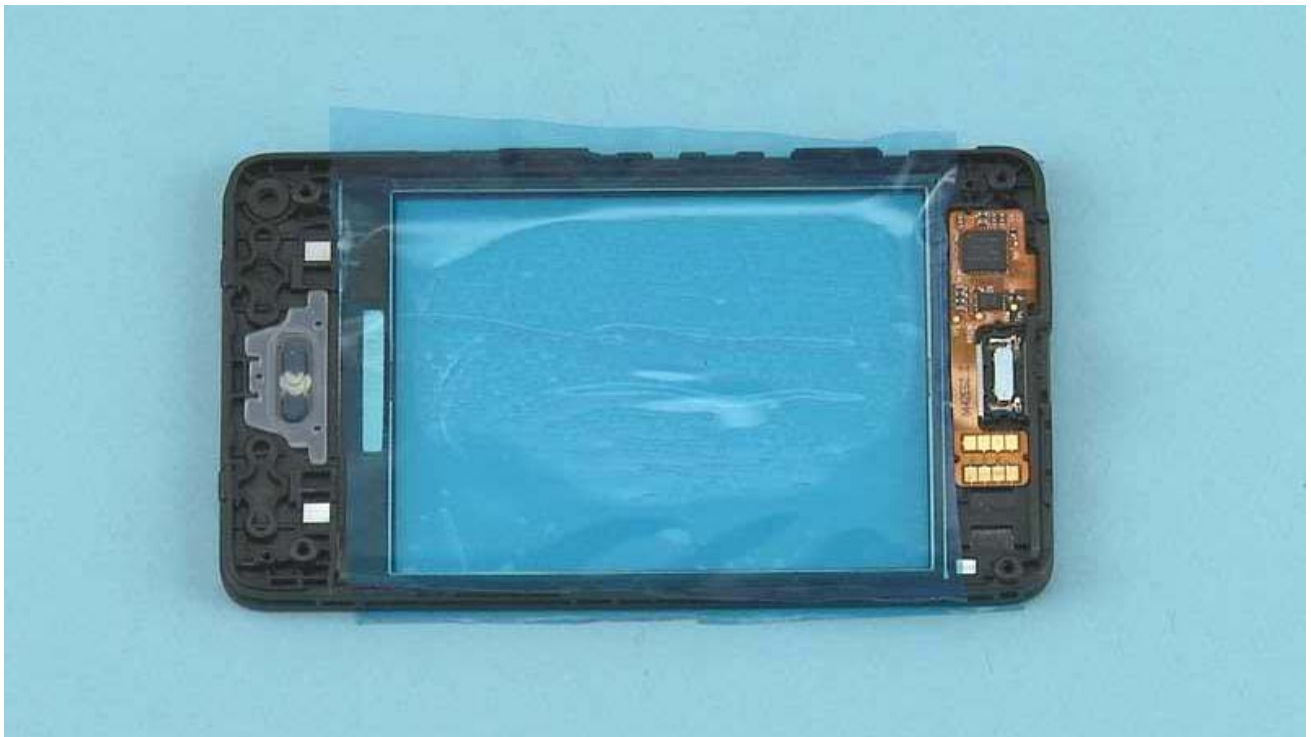
Be careful not to damage any components nearby.



29) Lift up the ENGINE BOARD.



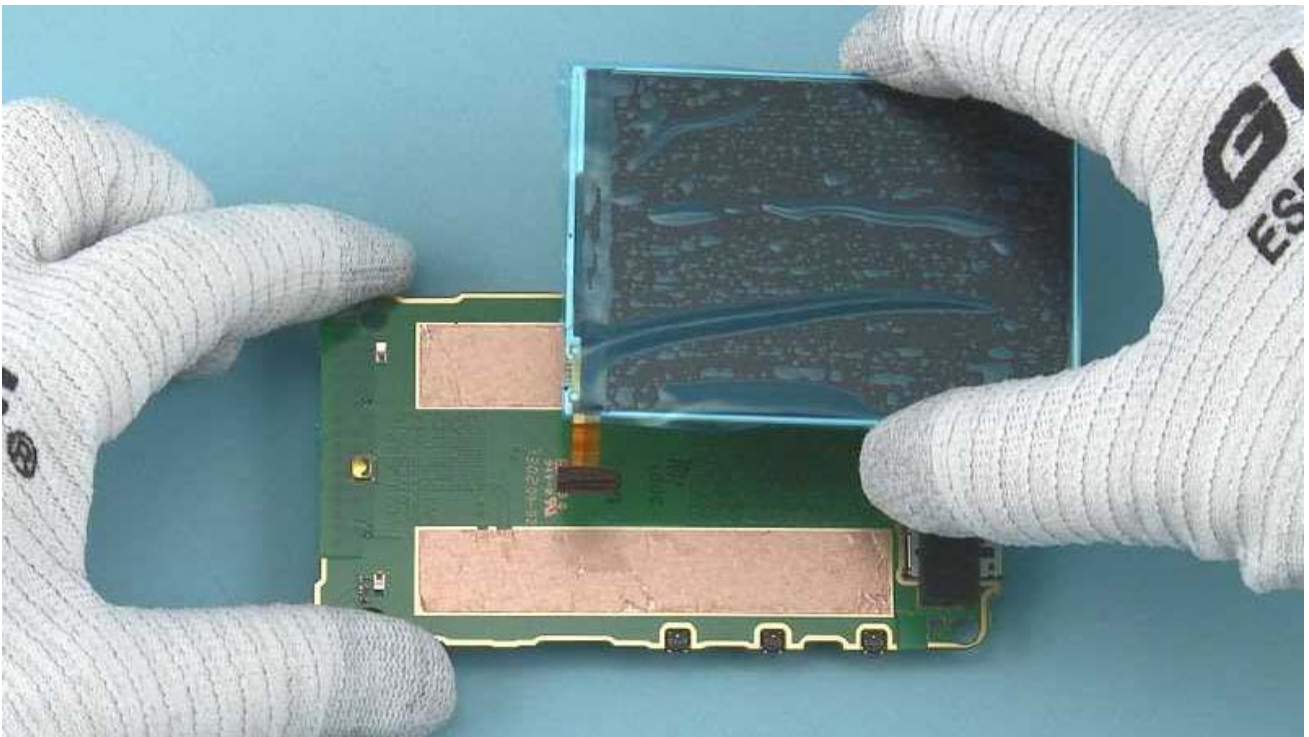
30) Protect the DISPLAY with protective film.



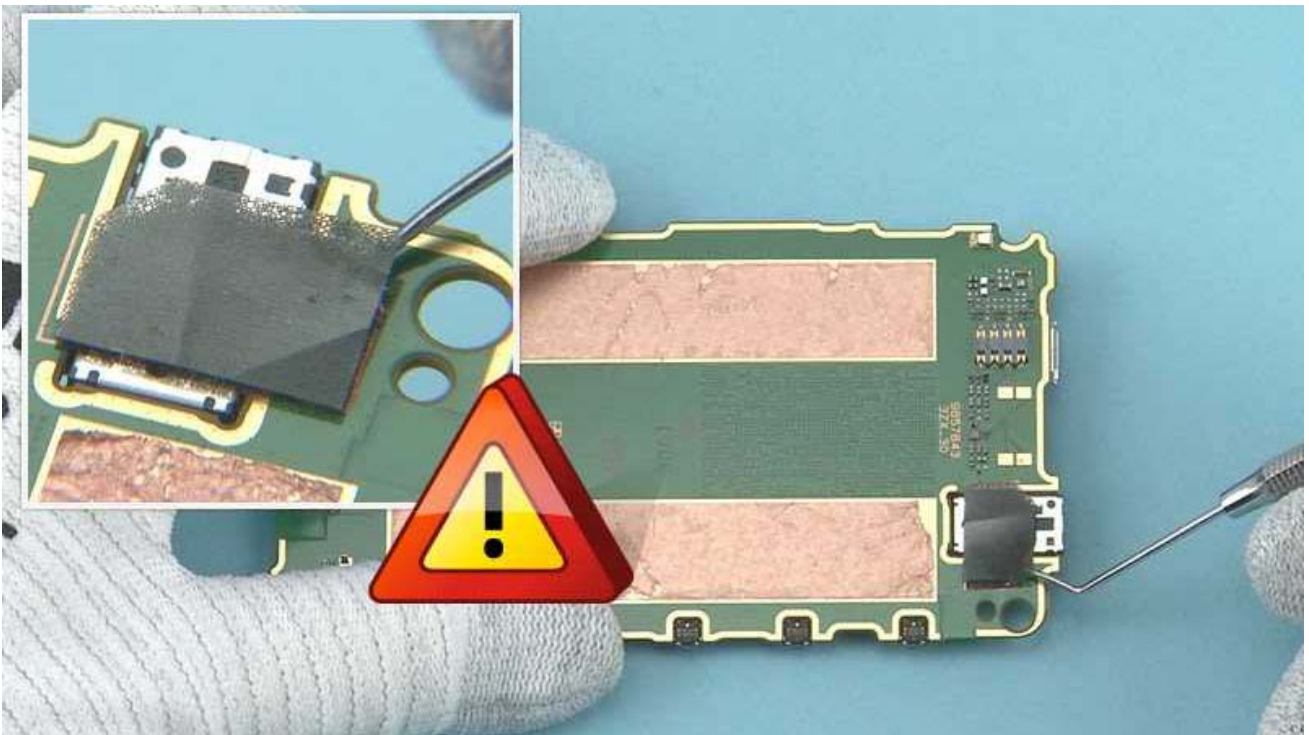
31) Protect also the other side of the A-COVER window.



32) Use SS-93 to carefully lift up the DISPLAY.

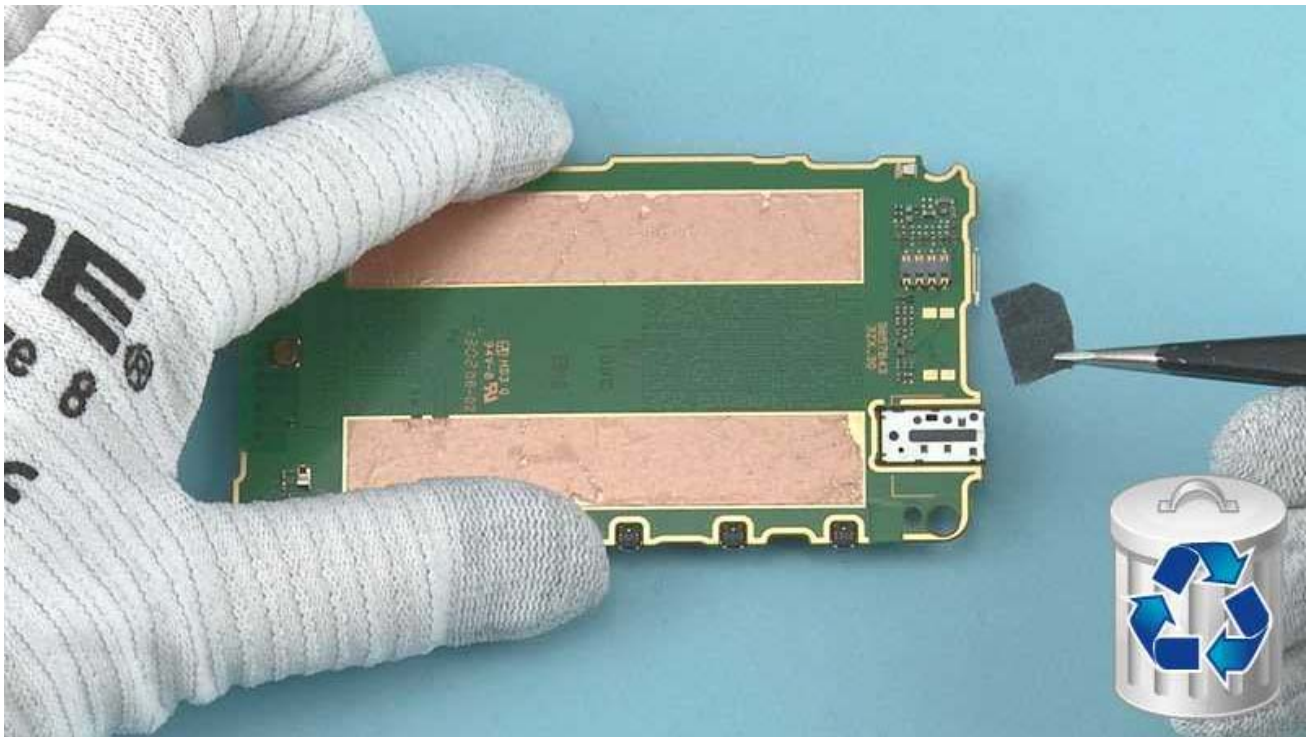


33) Separate the DISPLAY.

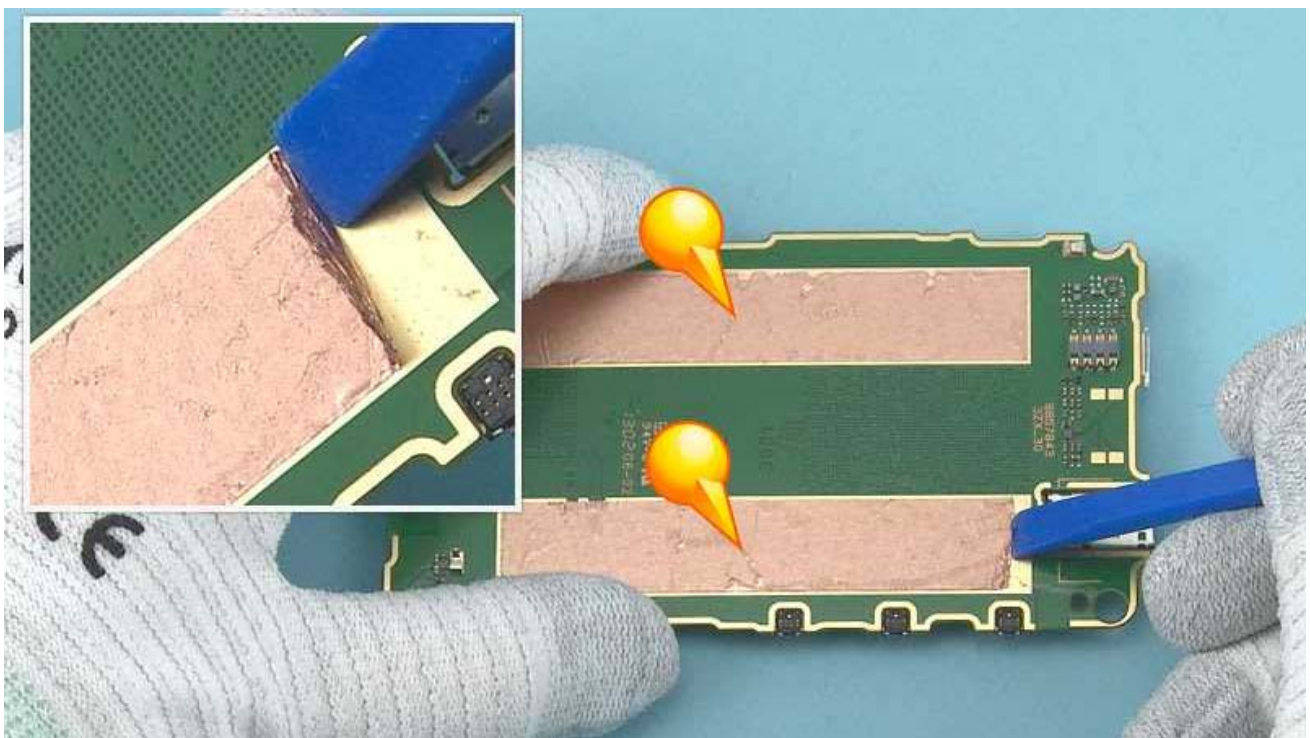


34) Use the dental tool to detach the TOUCH IC GASKET.

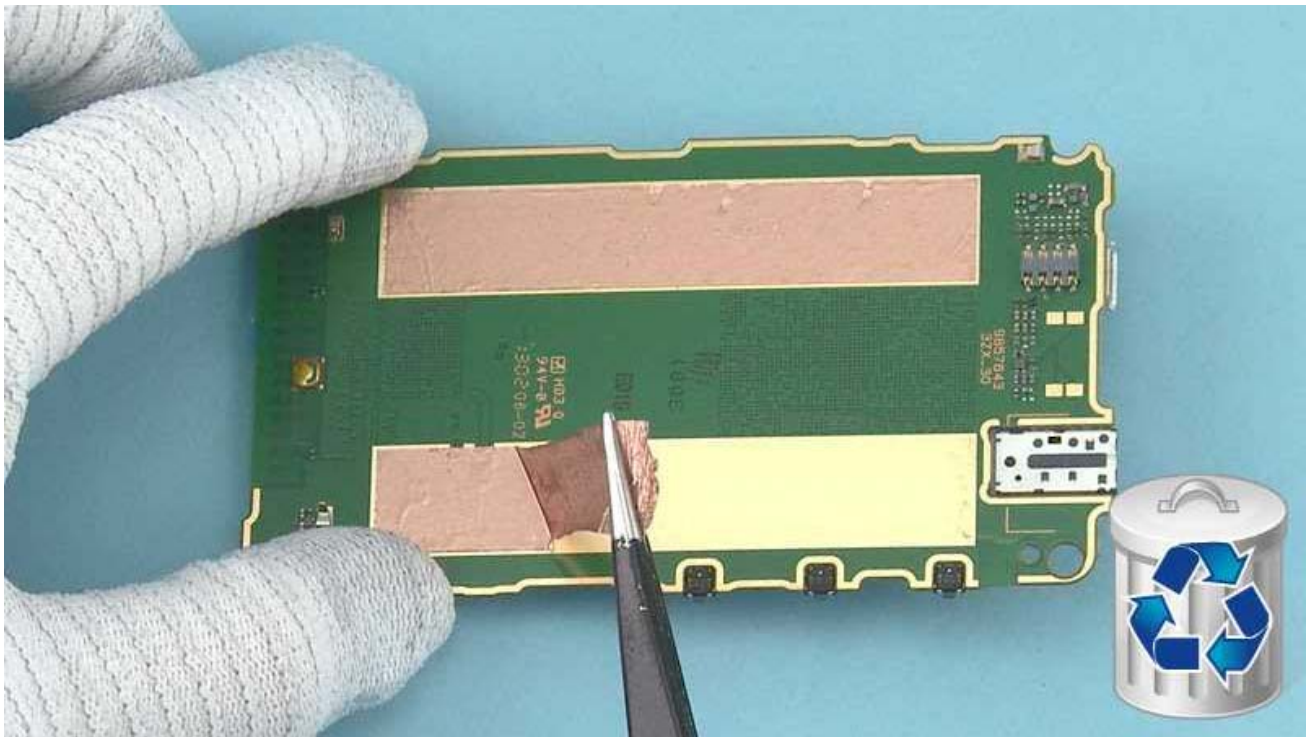
Pay attention not to make any scratches to the ENGINE BOARD.



35) Remove the TOUCH IC GASKET with tweezers. Do not use it again. Discard it.



36) Start removing the two LCD CONDUCTIVE ADHESIVE by detaching one corner with SS-93.



37) Use tweezers to peel off the adhesive. The LCD CONDUCTIVE ADHESIVE is not reusable.



38) Use the camera removal tool SS-276 to detach the CAMERA.



39) Release the EARPIECE with the dental tool.

Be careful not to damage the flex next to the EARPIECE.



40) Remove the EARPIECE with tweezers. Do not use it again. Discard it.

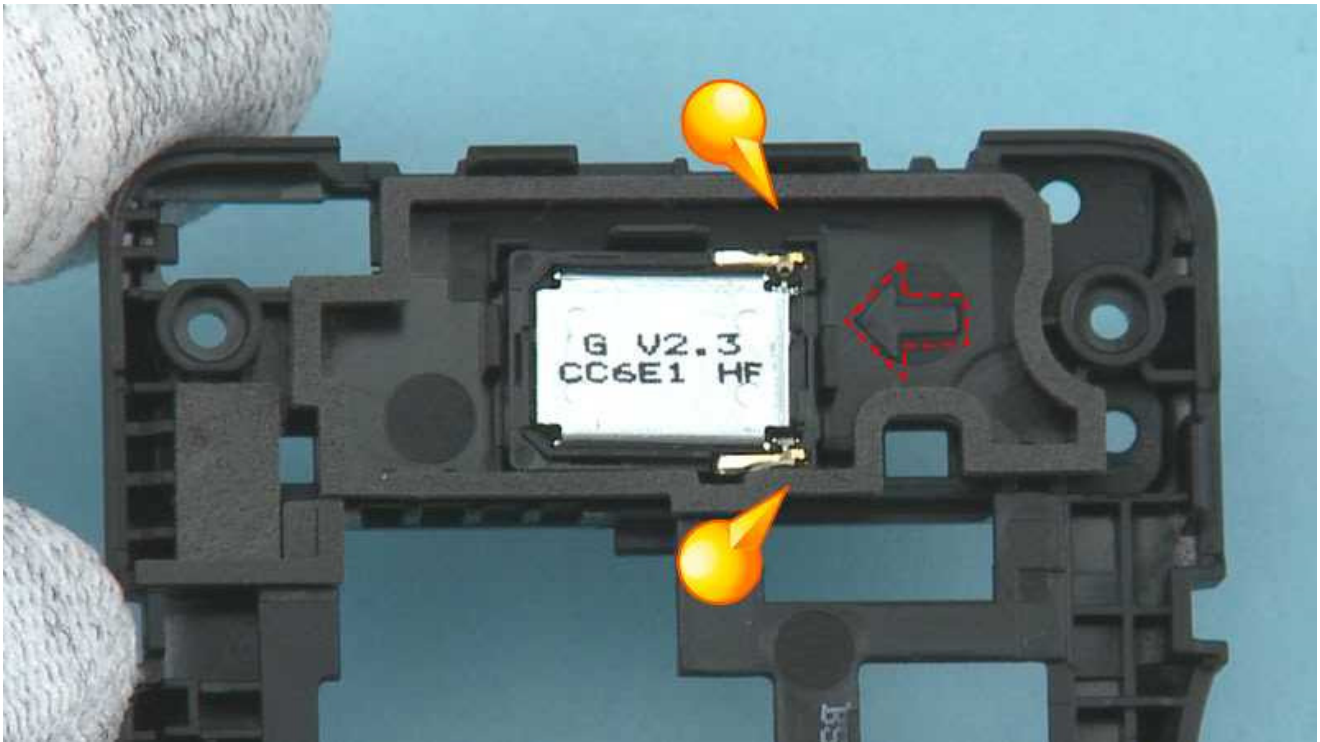


41) Detach the BACK KEY by pushing it with fingers. Remove it with tweezers.

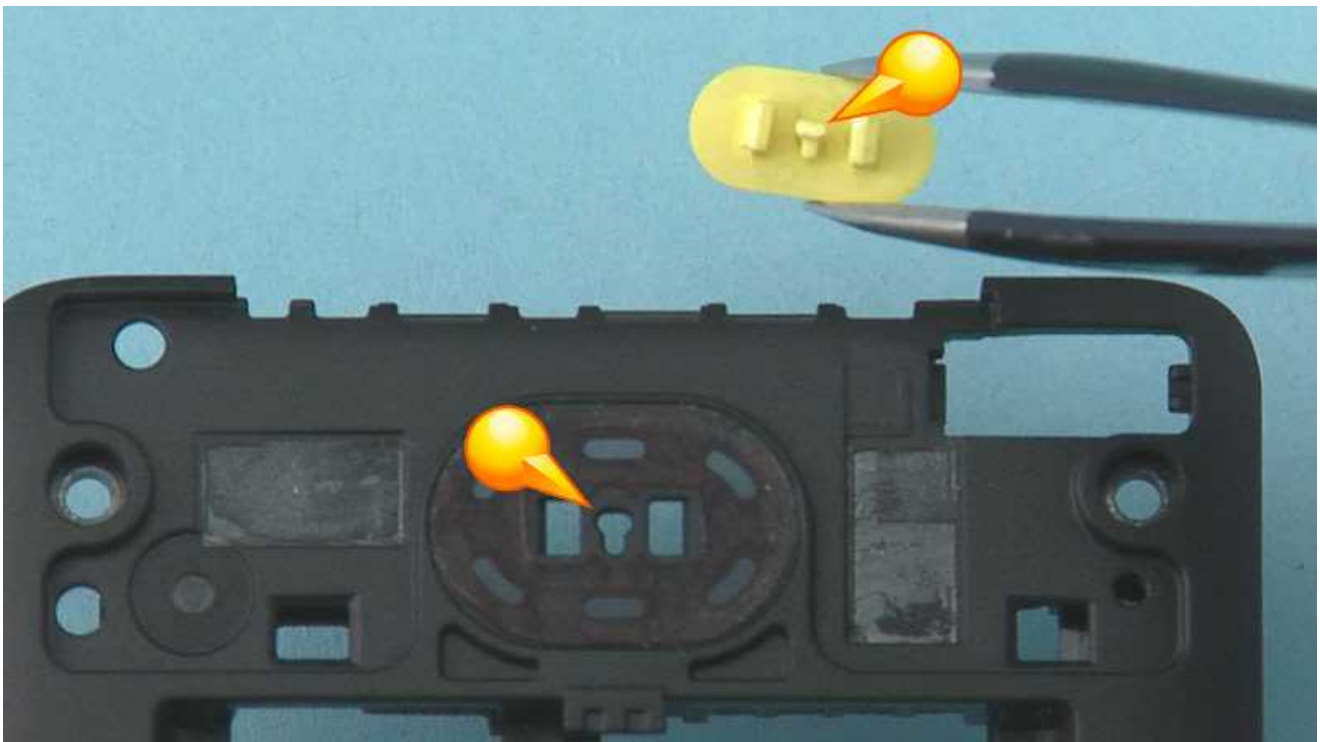


42) The Nokia Asha 501 disassembly procedure is complete.

-END OF DISASSEMBLY-



1) Place the IHF SPEAKER into the D-COVER. Make sure the IHF SPEAKER is aligned correctly. The pins should point towards the cavity with arrow on it.



2) When placing the RELEASE BUTTON make sure it is aligned correctly. Use the D-COVER hole as a reference. Put the RELEASE BUTTON to its place and press it until you hear the snap sound.



3) Place the shown side of the ANTENNA first into the D-COVER.

4) Fasten the ANTENNA by pressing it as shown.



5) Place the DISPLAY on the A-COVER ASSEMBLY. The driver part of the DISPLAY should be aligned with the wider gasket on A-COVER ASSEMBLY.



6) Make sure the DISPLAY is fitted to its place and press the edges of the DISPLAY slightly to activate the adhesive.



7) When placing the ENGINE BOARD make sure it is aligned correctly.



8) Place the shown side of the ENGINE BOARD first into the A-COVER ASSEMBLY.



9) Press the ENGINE BOARD carefully with fingers and check that the clips on both sides are secured.



10) Use the SS-93 to carefully fasten the B2B connector.



11) Fasten the four TORX+ size 6 screws to the torque of 14 Ncm.

-END OF ASSEMBLY HINTS-



CA-101 Service cable



AC-11 Travel charger
AC-8C & CA-190CD for China



BL-4U Battery



SS-276 Camera removal tool

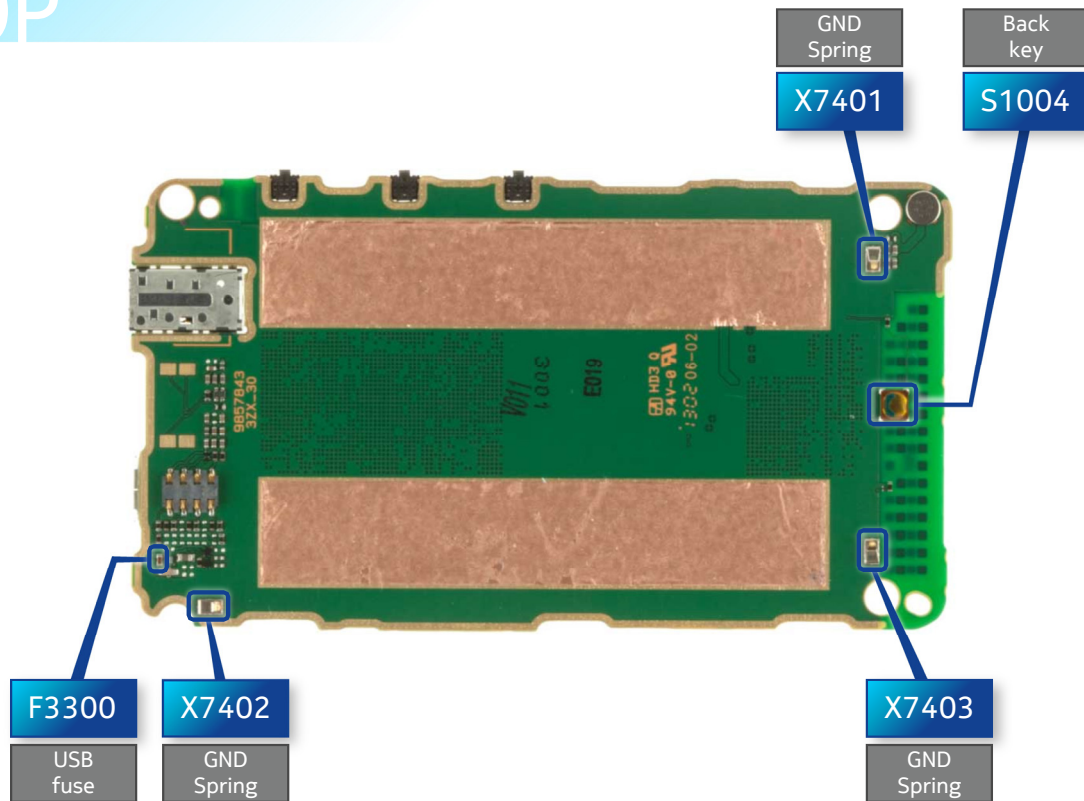


Nokia Standard Toolkit (v2)

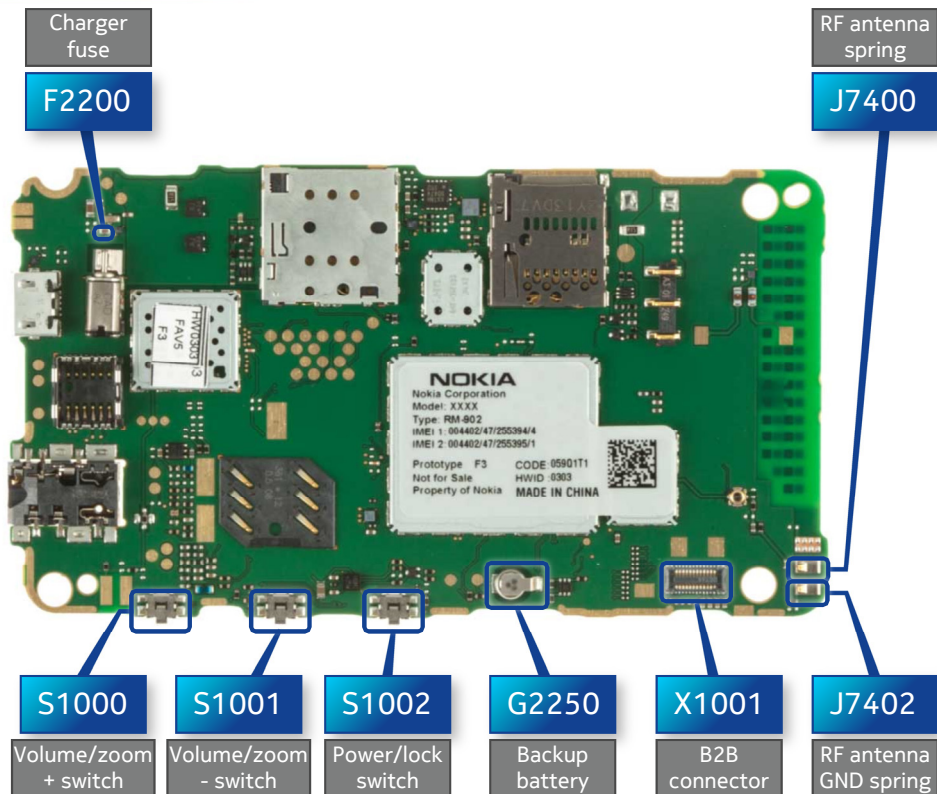
For more information, refer to the Service Bulletin (SB-011) on Nokia Online. Supplier or manufacturer contacts for tool re-order can be found in "Recommended service equipment" document on Nokia Online.



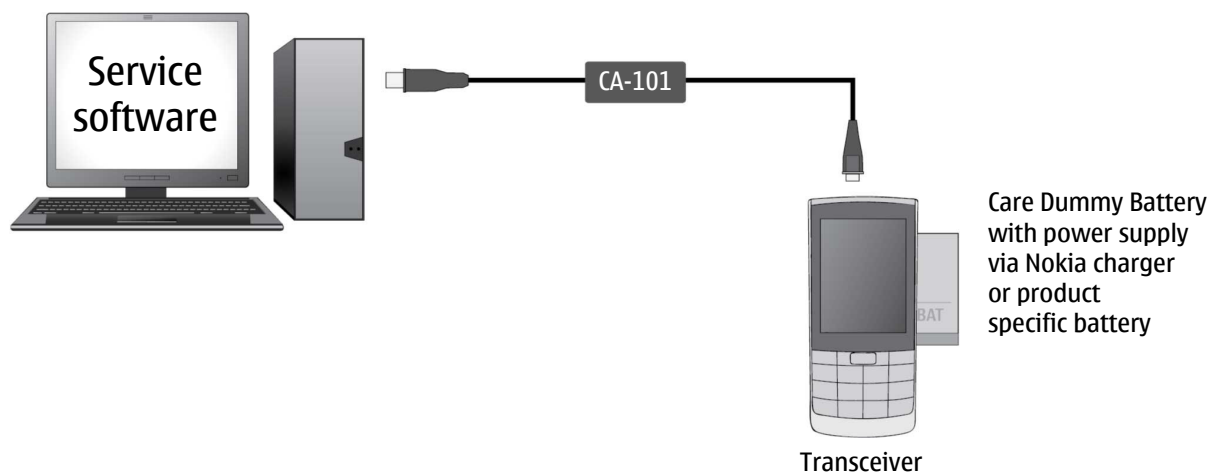
TOP



BOTTOM



Flashing concept



Version	Date	Description
1.0	27.05.2013	First published version