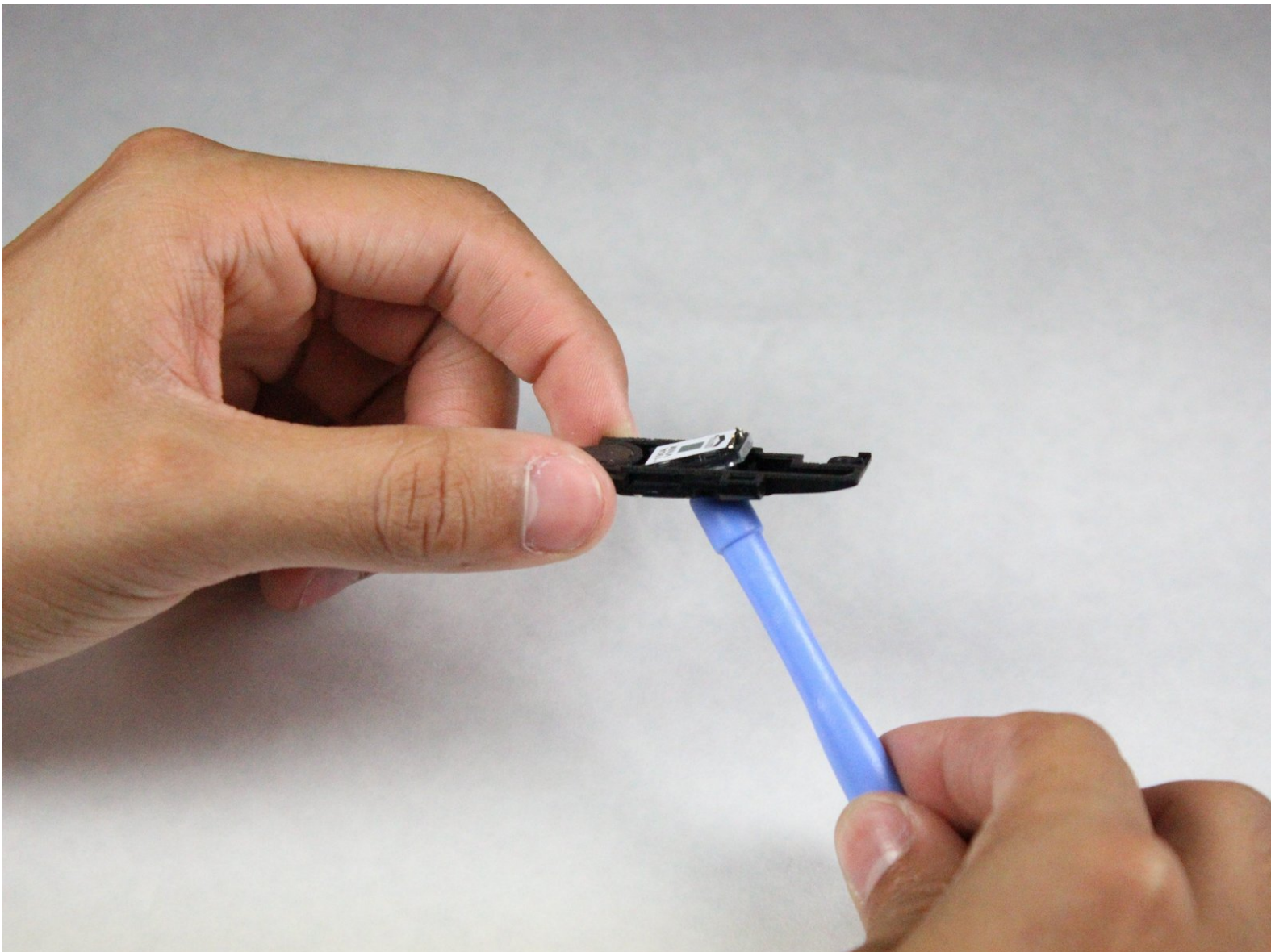




HTC Droid DNA Speaker Port Replacement

Replace the speaker port inside the Droid DNA phone.

Written By: Sam Gallagher



INTRODUCTION

The guide will allow you to replace the speaker port inside your HTC Droid DNA.



TOOLS:

- [Paper Clip](#) (1)
 - [Phillips #000 Screwdriver](#) (1)
 - [T5 Torx Screwdriver](#) (1)
 - [Tweezers](#) (1)
 - [iFixit Opening Tools](#) (1)
-

Step 1 — Remove the SIM Card Tray



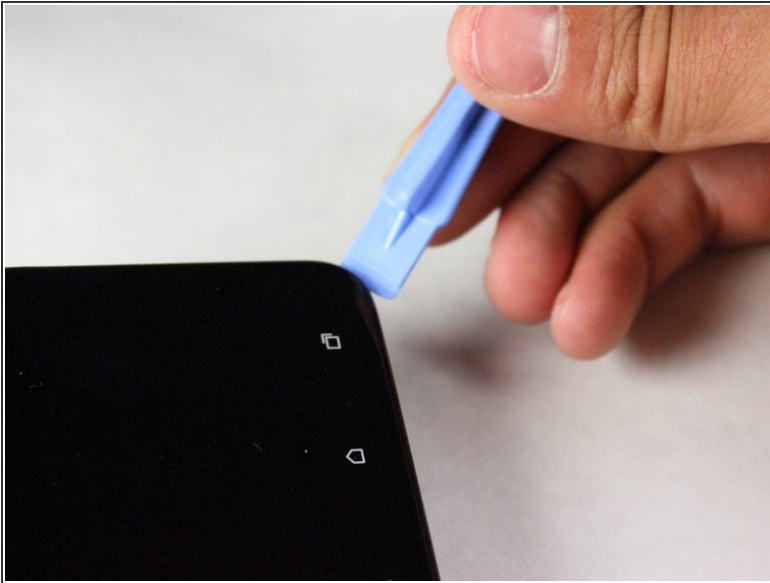
- Poke a paperclip into the hole to the right of the SIM Card Tray. The SIM Card Tray will automatically pop out.

Step 2 — Removing the SIM Card Tray



- Pull out the SIM Card Tray with your fingers.

Step 3 — Loosen the Phone Casing



- ⓘ Make sure the USB cover on the bottom of the phone is removed first.
- Starting at a corner, slowly work your way around the edge of the sides with your prying tool to loosen the front panel.
- ⓘ Take your time. A lot of force is necessary to loosen the front panel.

Step 4 — Pull the Casing Apart



- Slowly pull the panel apart from the back of the phone.
- ⓘ Apply a moderate force to pry the panel from the back of the phone.

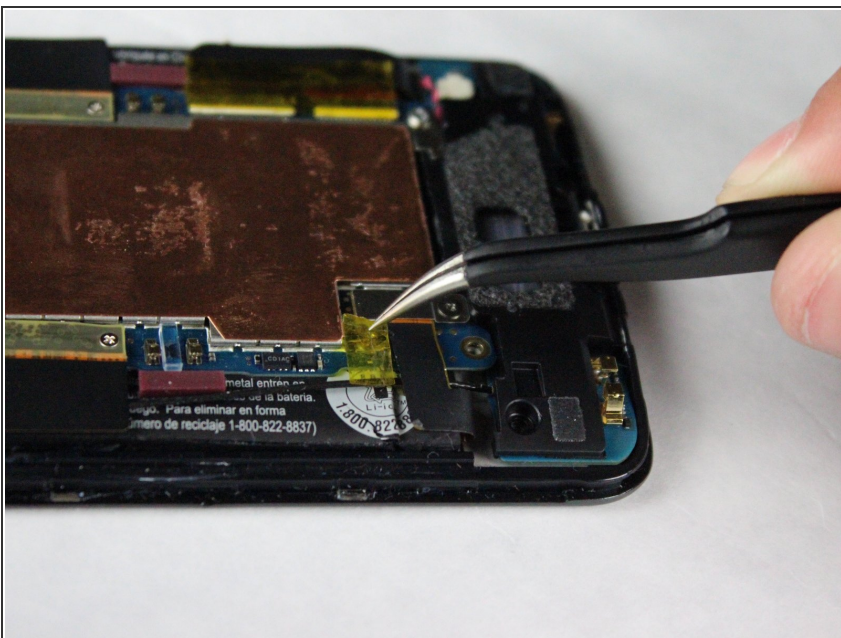
Step 5 — Remove the Black Tape



- Set the device down so that the bottom of the phone is facing to the right.
- Gently take off the piece of black tape surrounding the motherboard.

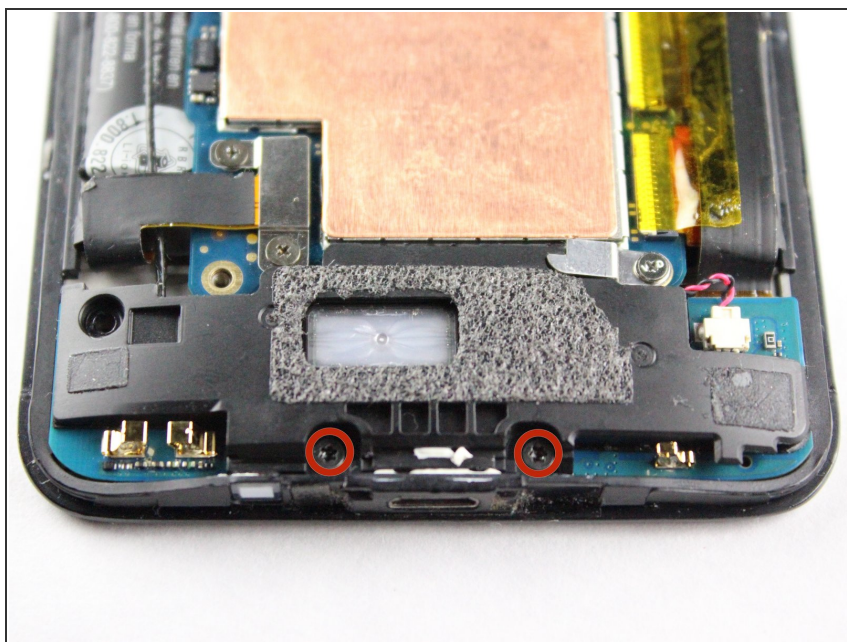
⚠ Be careful not to rip the tape.

Step 6 — Remove the Yellow Tape



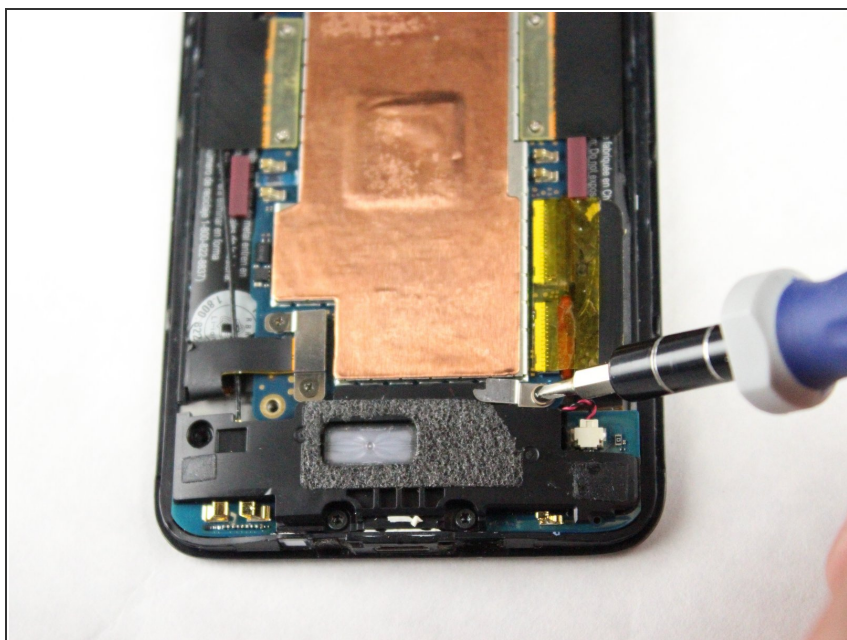
- Use your tweezers to take off the yellow tape on the bottom left corner of the phone.

Step 7



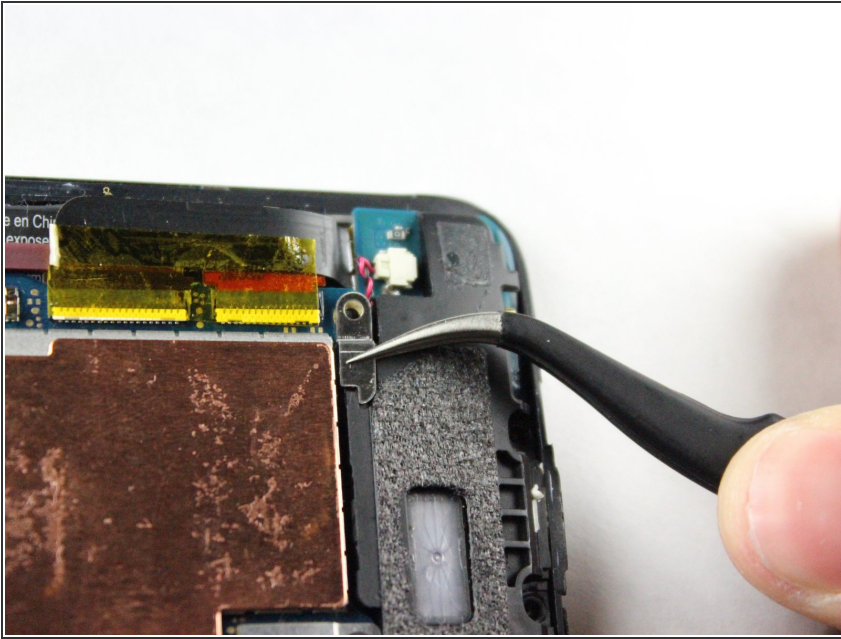
- Rotate your phone 90 degrees clockwise so the bottom of the phone is facing you.
- Use the T5 Torx screwdriver to remove the two 4mm screws located at the bottom of the phone.

Step 8 — Remove the Void Screw



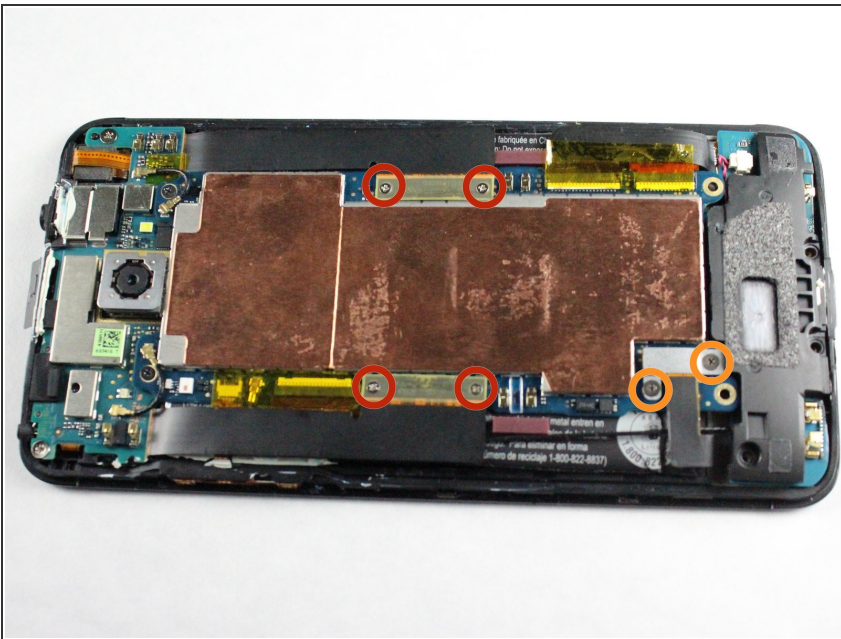
- Use the Phillips #000 screwdriver to remove the single 2.7mm void screw on the bottom right.

Step 9 — Remove the Screw Retaining Bracket



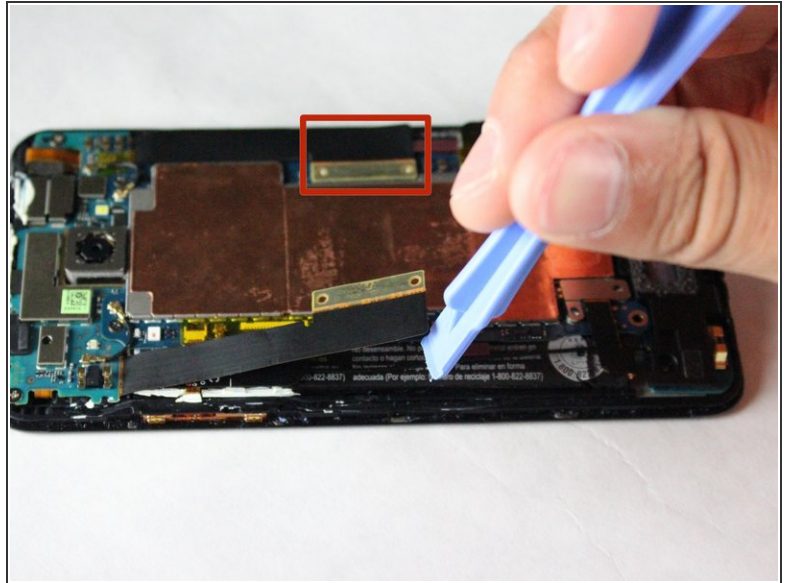
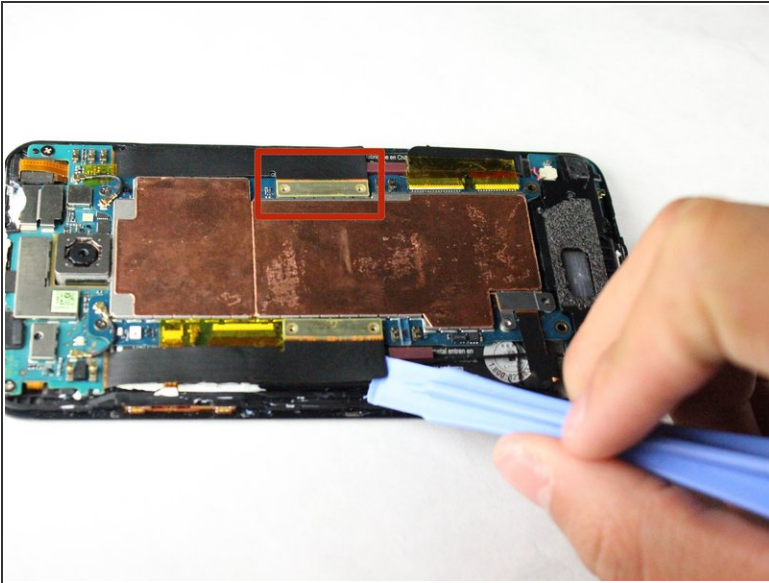
- Rotate your phone back 90 Degrees counter-clockwise.
- Use your tweezers to take off the small metal retaining bracket on the bottom right of the phone.

Step 10 — Remove the Connector Screws



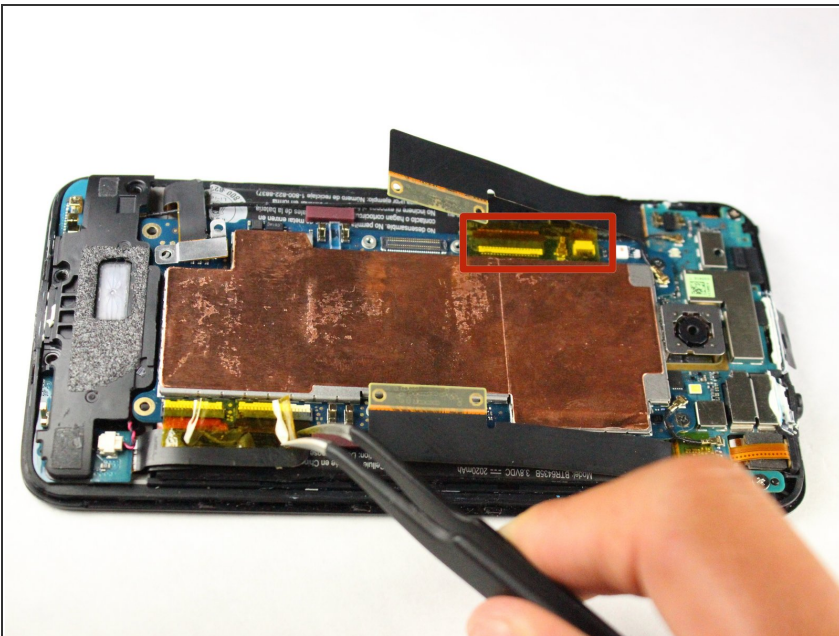
- Remove the following Phillips #000 screws from the motherboard:
 - Four 1.6 mm screws
 - Two 1.5 mm screws

Step 11 — Unfasten the Connectors



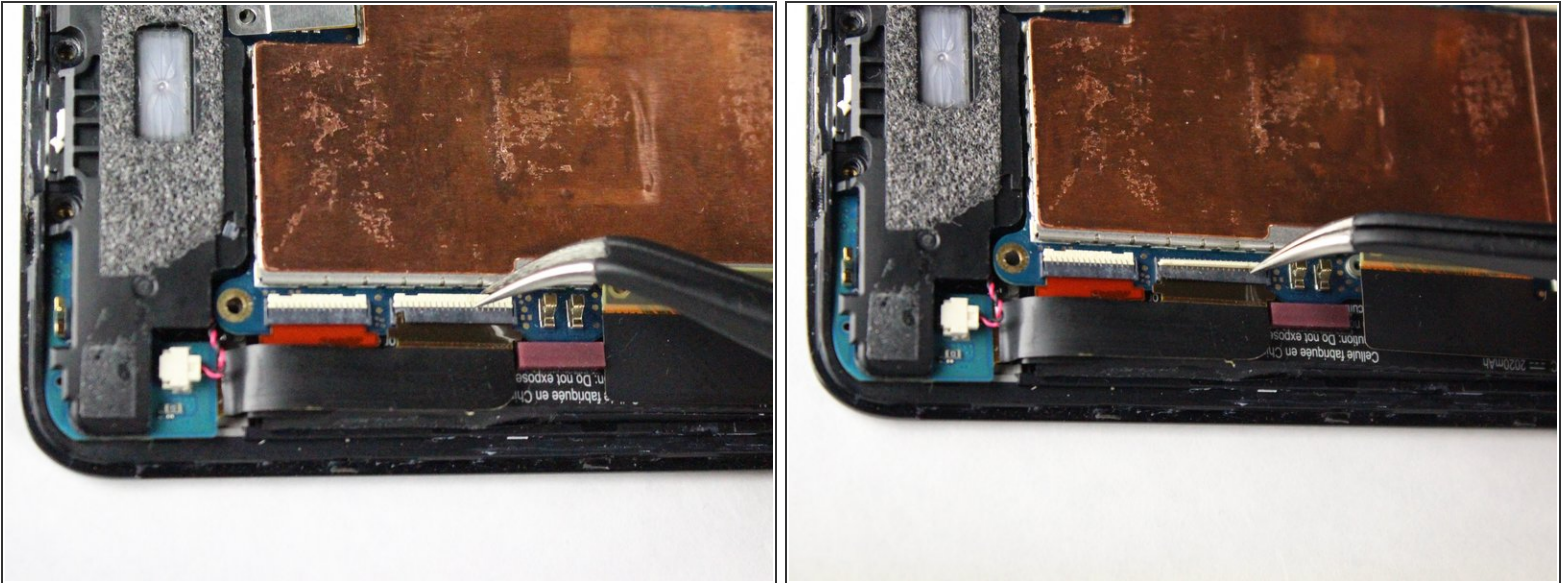
- Use your pry tool to unfasten the connectors on both sides of the motherboard.
- ⚠ The connectors will still be attached to the green camera board at the top so DO NOT try to pull them off or bend them severely.

Step 12 — Remove the Yellow Tape



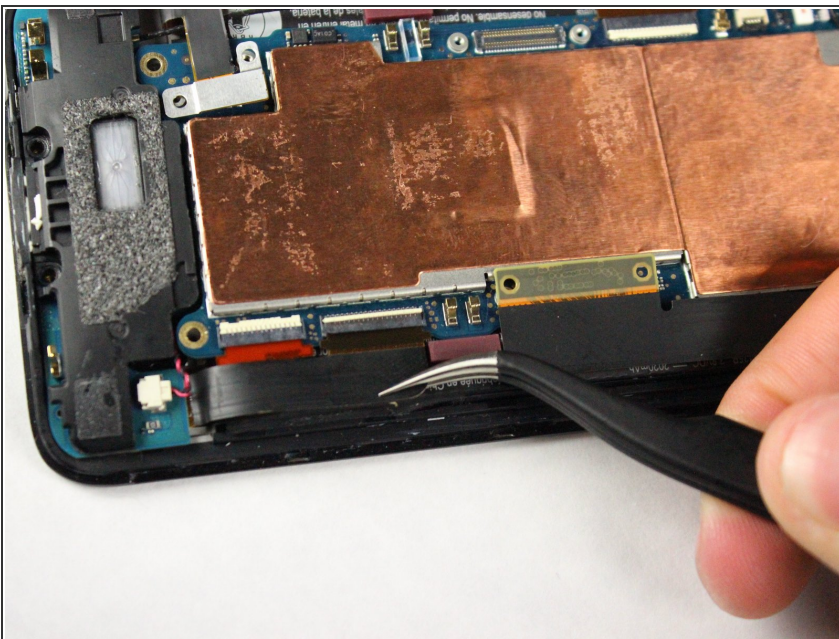
- Use your tweezers to remove the two pieces of yellow tape shown.

Step 13 — Flipping up the White Board



- Use your tweezers to gently snap up the white board on the bottom right of the motherboard.

Step 14 — Disconnect the Connector



- Use your tweezers to disconnect the black connector on the bottom right of the motherboard.

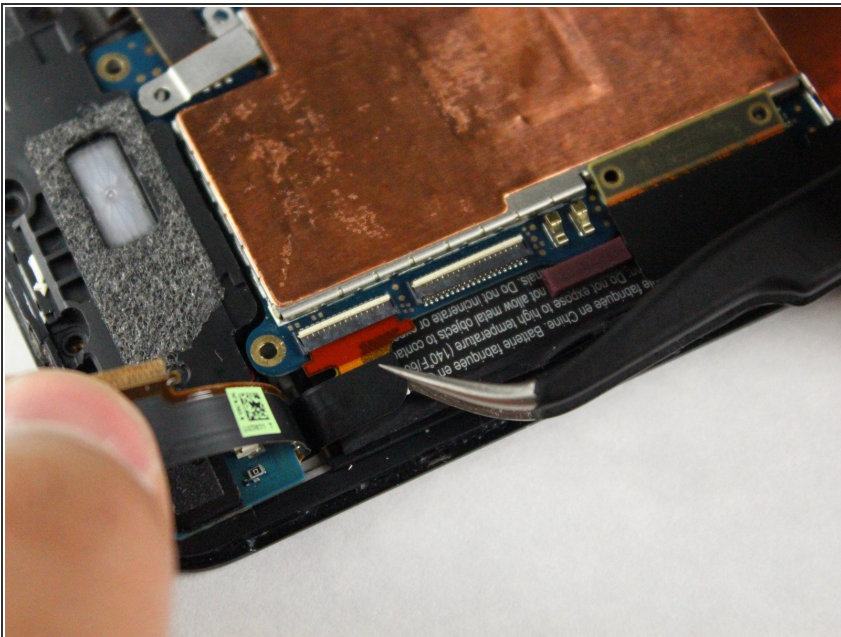
 Be careful not to bend the Flex Cable of the Connector.

Step 15 — Flipping up the White Board



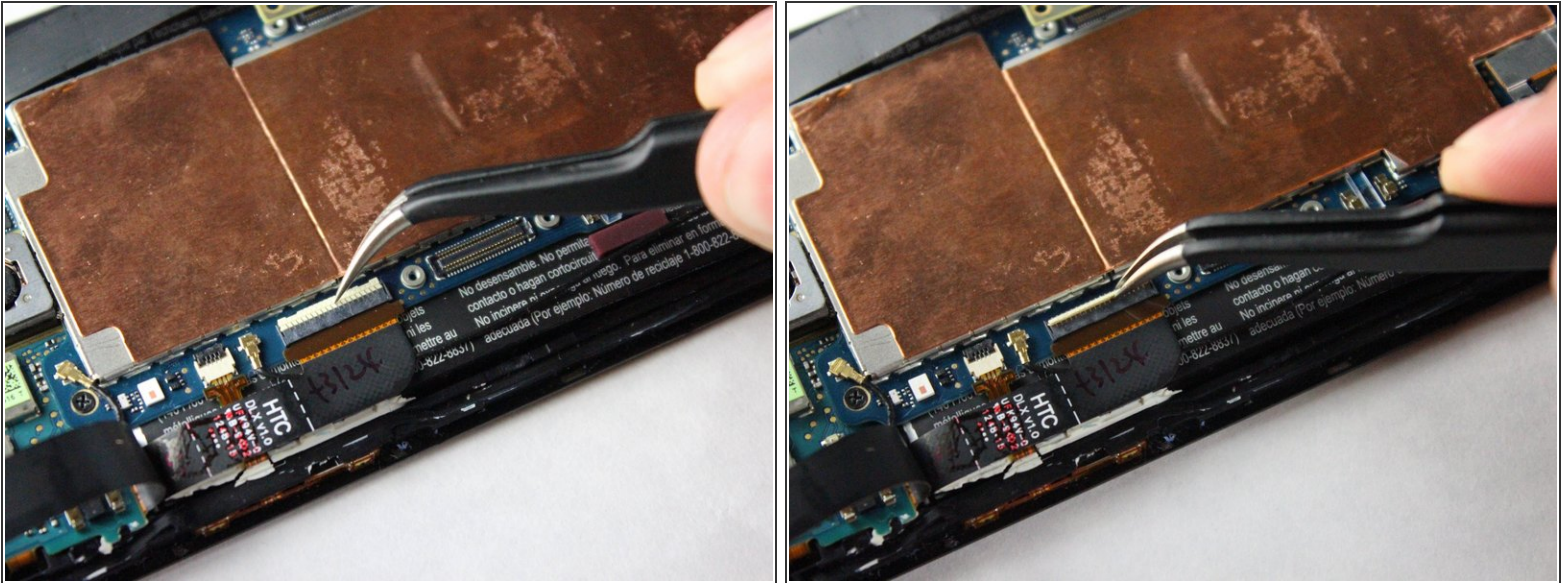
- Use your tweezers to gently snap the other white board on the bottom right of the motherboard up.

Step 16 — Disconnect the Connector



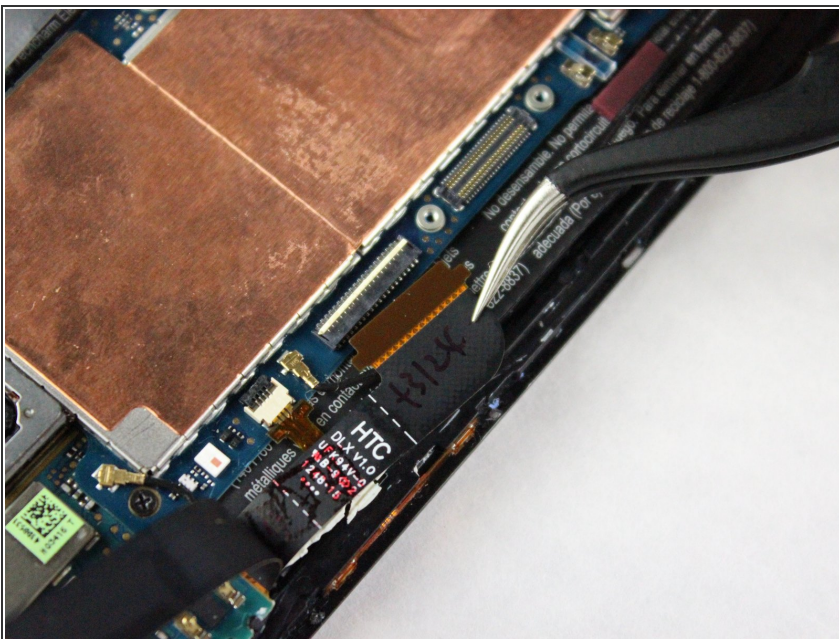
- Use your tweezers to disconnect the other small connector on the bottom right of the motherboard.
- ⚠ Be careful not to bend the Flex Cables for the Connector.

Step 17 — Flipping up the White Board



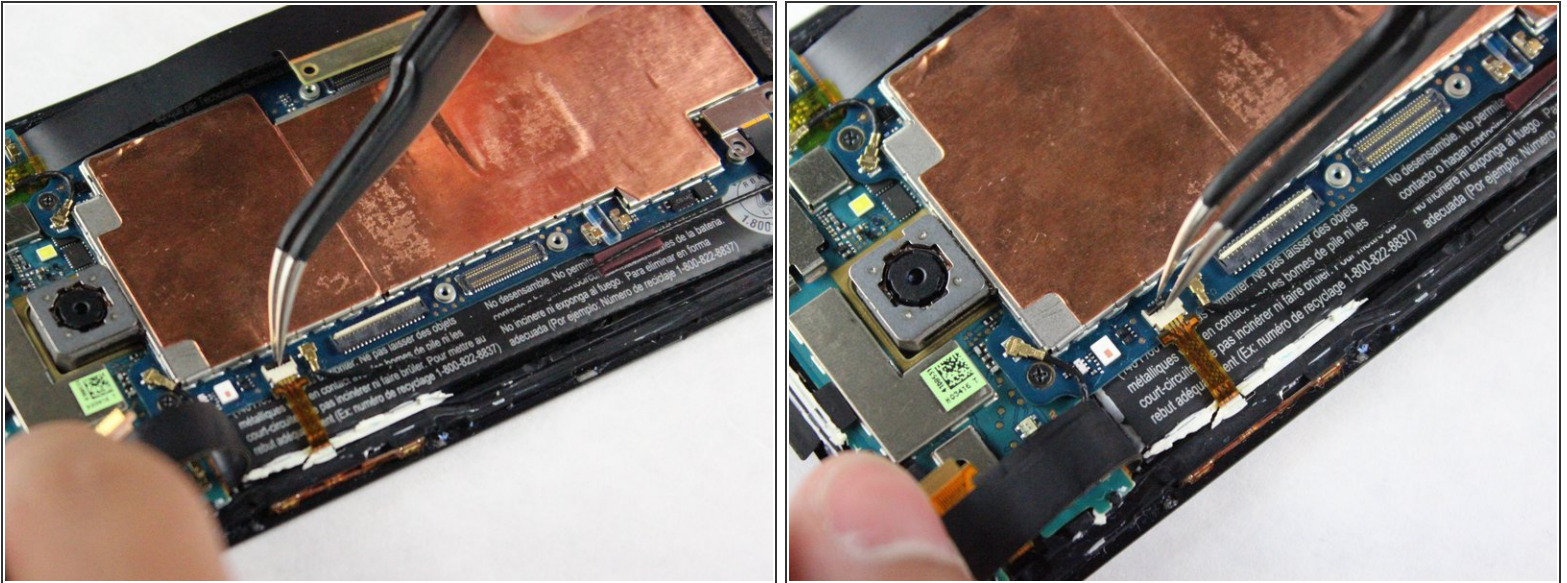
- Rotate the phone 180 degrees.
- Use your tweezers to gently snap up the white board on the top left of the motherboard.

Step 18 — Disconnect the Connector



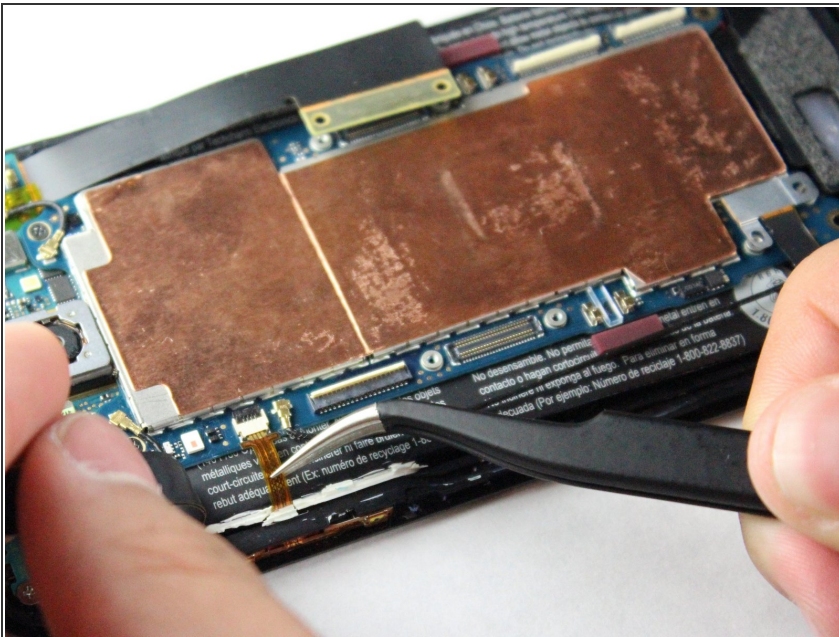
- Use your tweezers to disconnect the cable on the top left of the motherboard.
- ⚠ Be careful not to bend the Flex Cable of the Connector.

Step 19 — Flipping up the Black Board



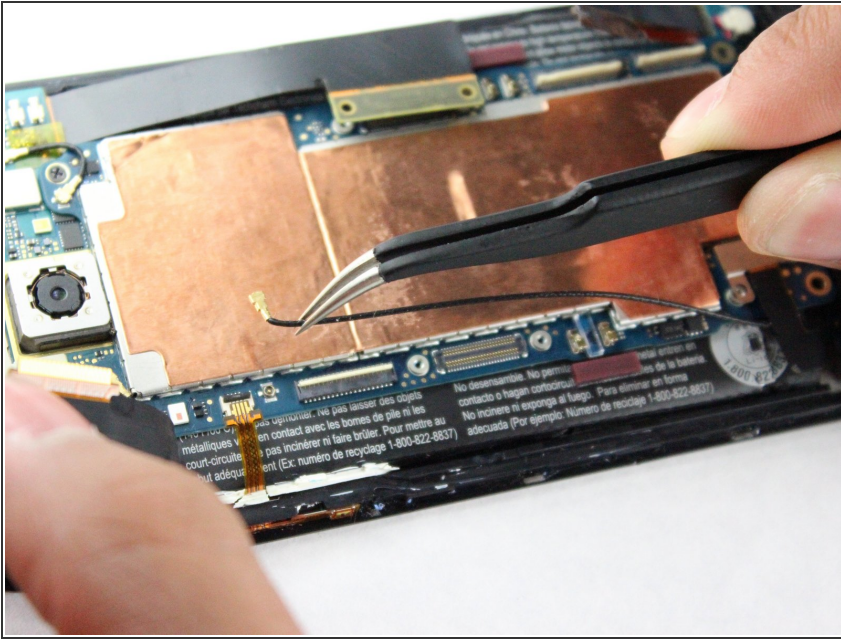
- Use your tweezers to gently snap up the black board on the top left of the motherboard.

Step 20 — Disconnect the Small Ribbon Connector



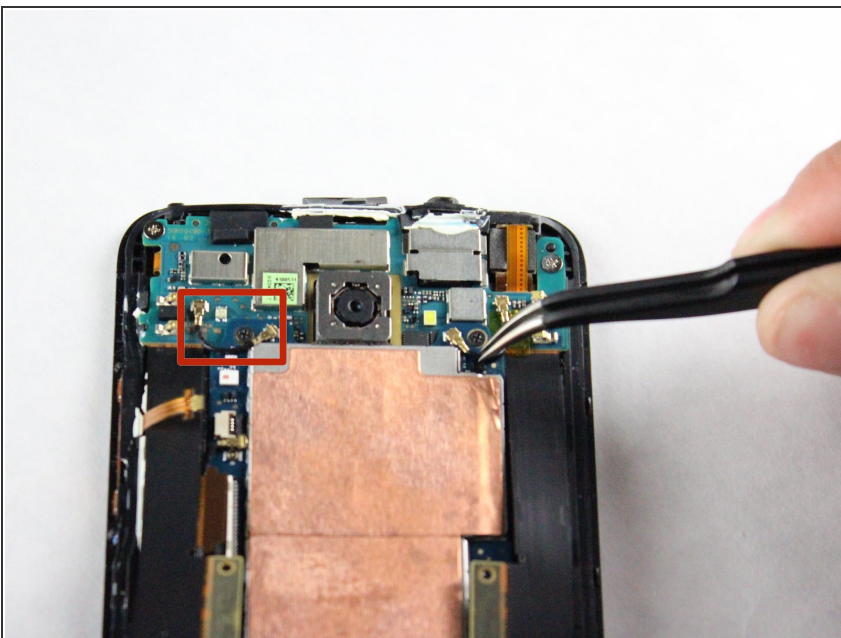
- Use your tweezers to gently remove the yellow connector on the top left of the phone.

Step 21 — Remove the Black Wire



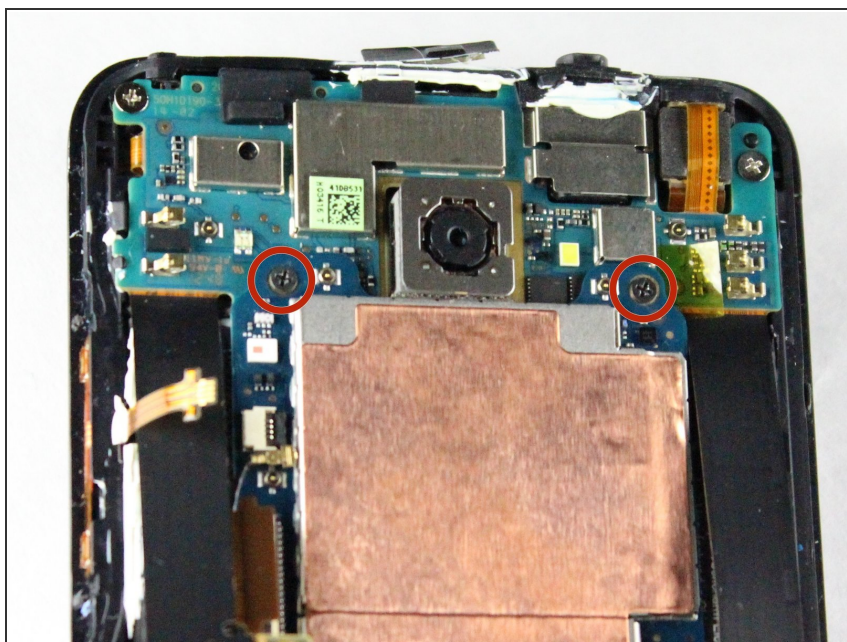
- Remove the long black wire on the left of the motherboard.

Step 22 — Remove the Two Black Wires



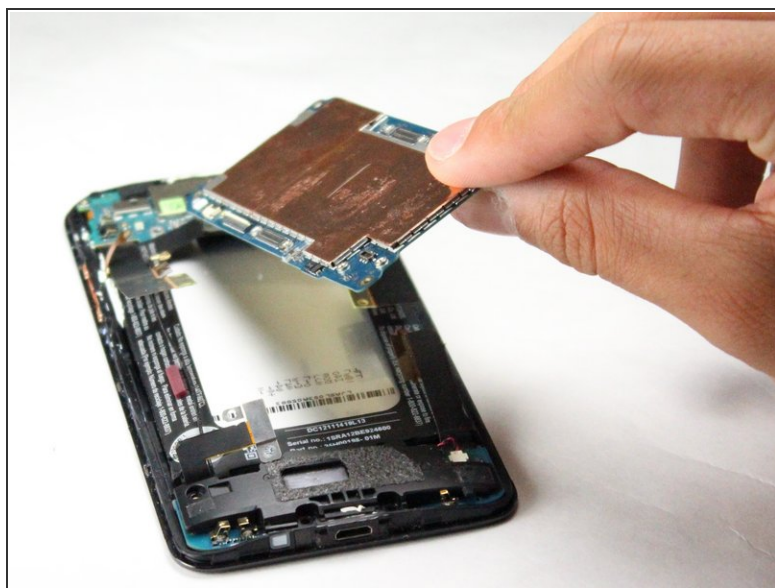
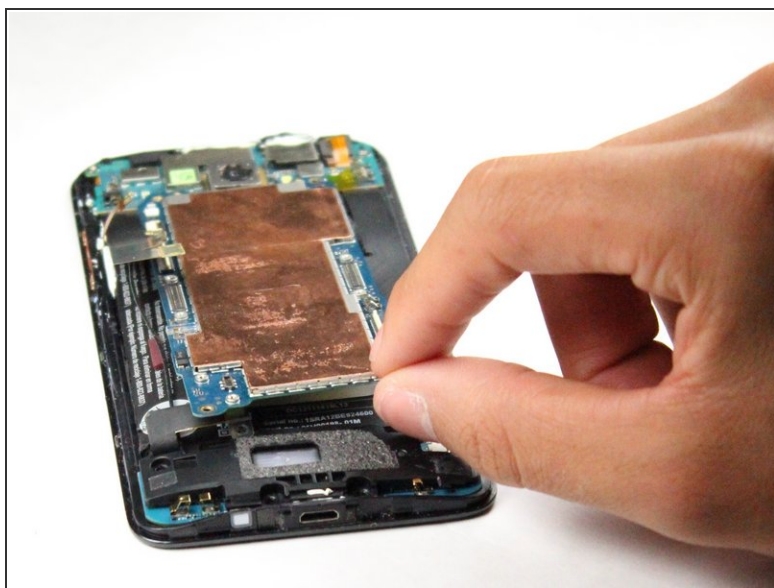
- Reorient the phone so that the green camera board is farthest from you.
- Use your tweezers to remove the two wires located at the top of the board. The wires snap off very easily so not much force is needed.

Step 23 — Remove the Screws



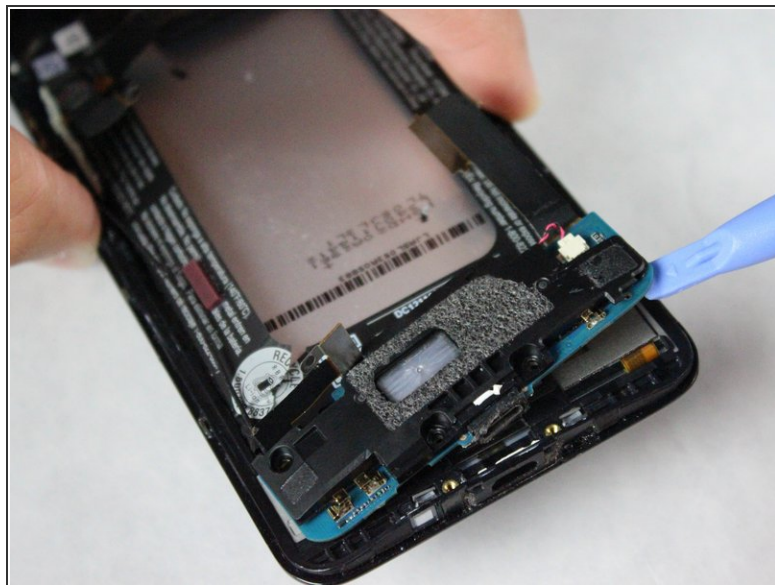
- Use a Phillips #000 screwdriver to remove the two 3.9mm screws on top of motherboard.

Step 24 — Remove the Motherboard



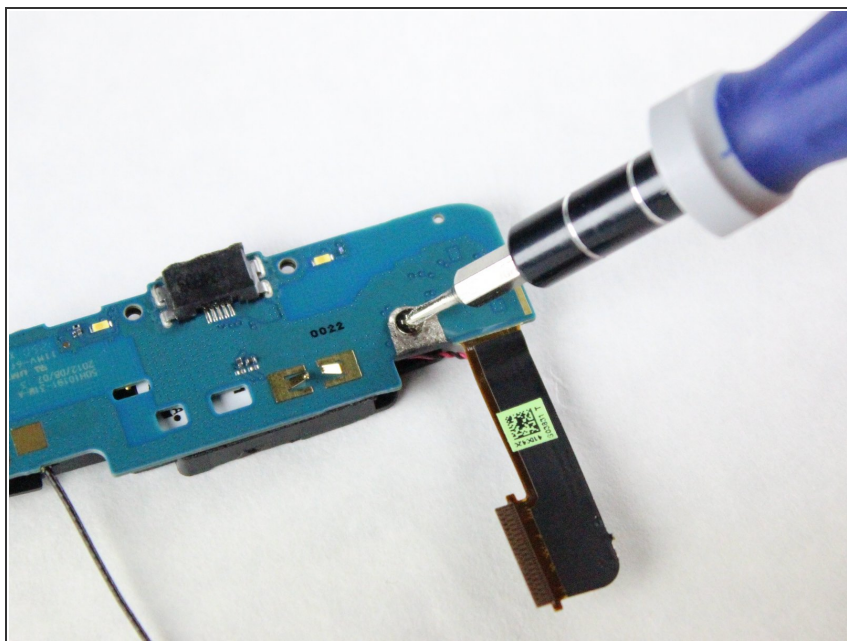
- Now, use your fingers to slowly pull up the motherboard and remove it from the phone.

Step 25 — Remove the Charging Port Assembly



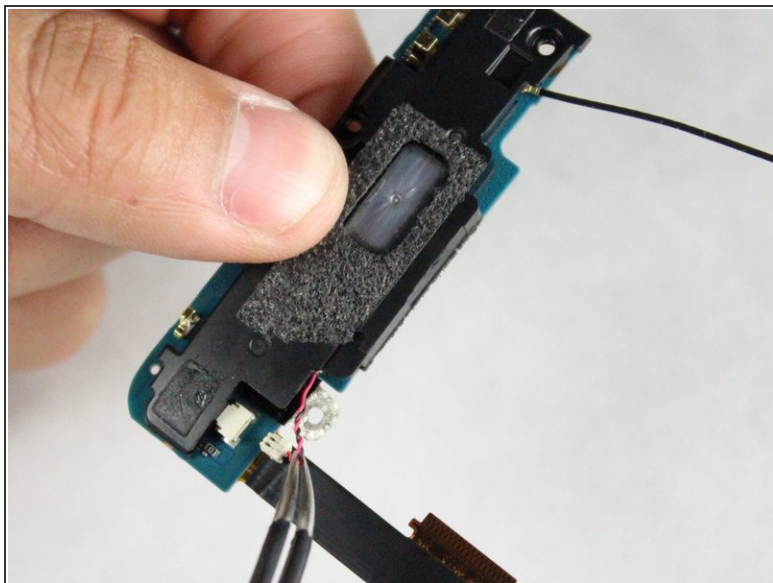
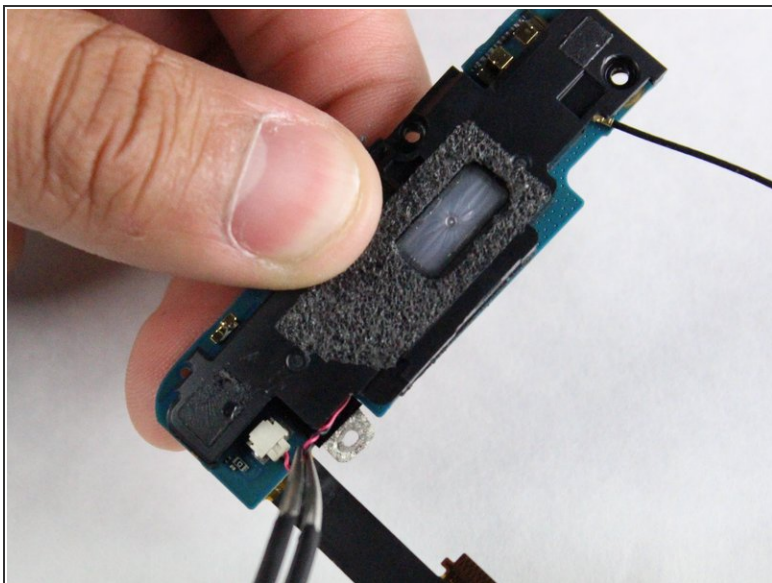
- Use the plastic prying tool to gently remove the charging port assembly.

Step 26 — Disassemble Charging Port Assembly



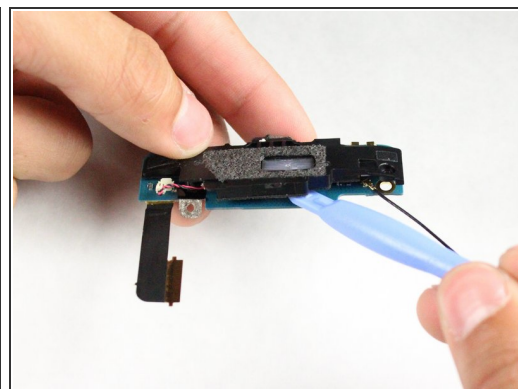
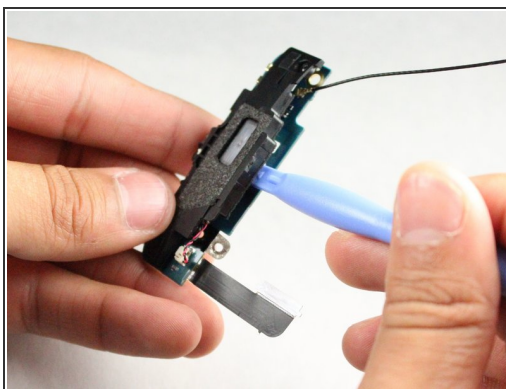
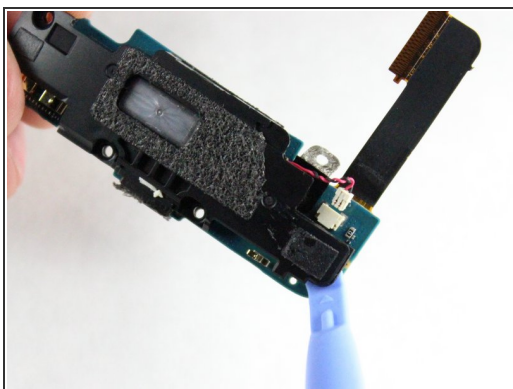
- Use a Phillips #000 screw driver to remove the single 2.1mm screw located on the backside of the assembly.

Step 27 — Undo the Wire Connection



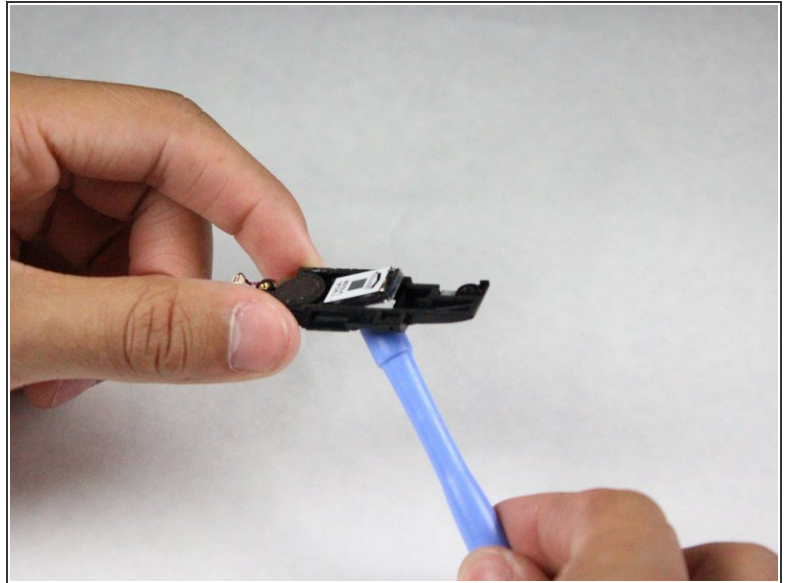
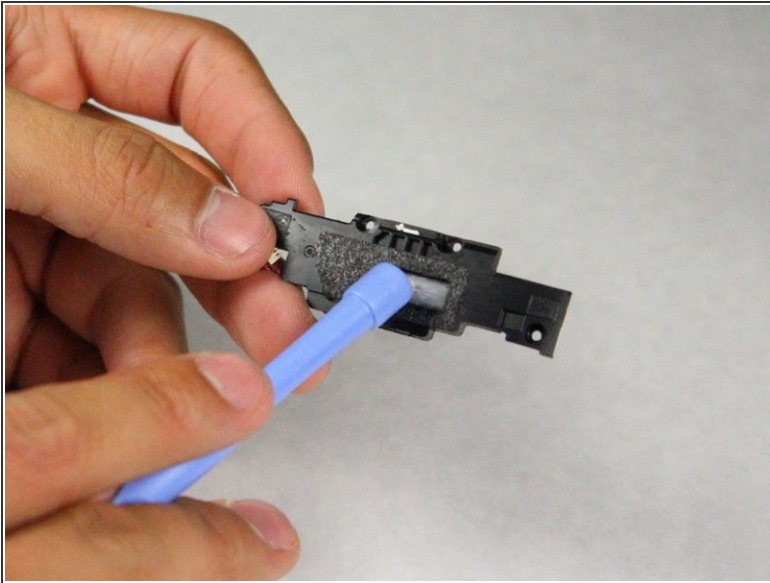
- Use your tweezers to undo the red and black wire connection.

Step 28 — Separate the Black and Blue Assembly Pieces



- Use the plastic prying tool to separate the assembly into two pieces: blue and black.

Step 29 — Removing the speaker



- Apply pressure to the grey side of the speaker with a blunt object to push out the speaker.
 - ⓘ The speaker is stuck with adhesive so it will take a little bit of extra force.

To reassemble your device, follow these instructions in reverse order.