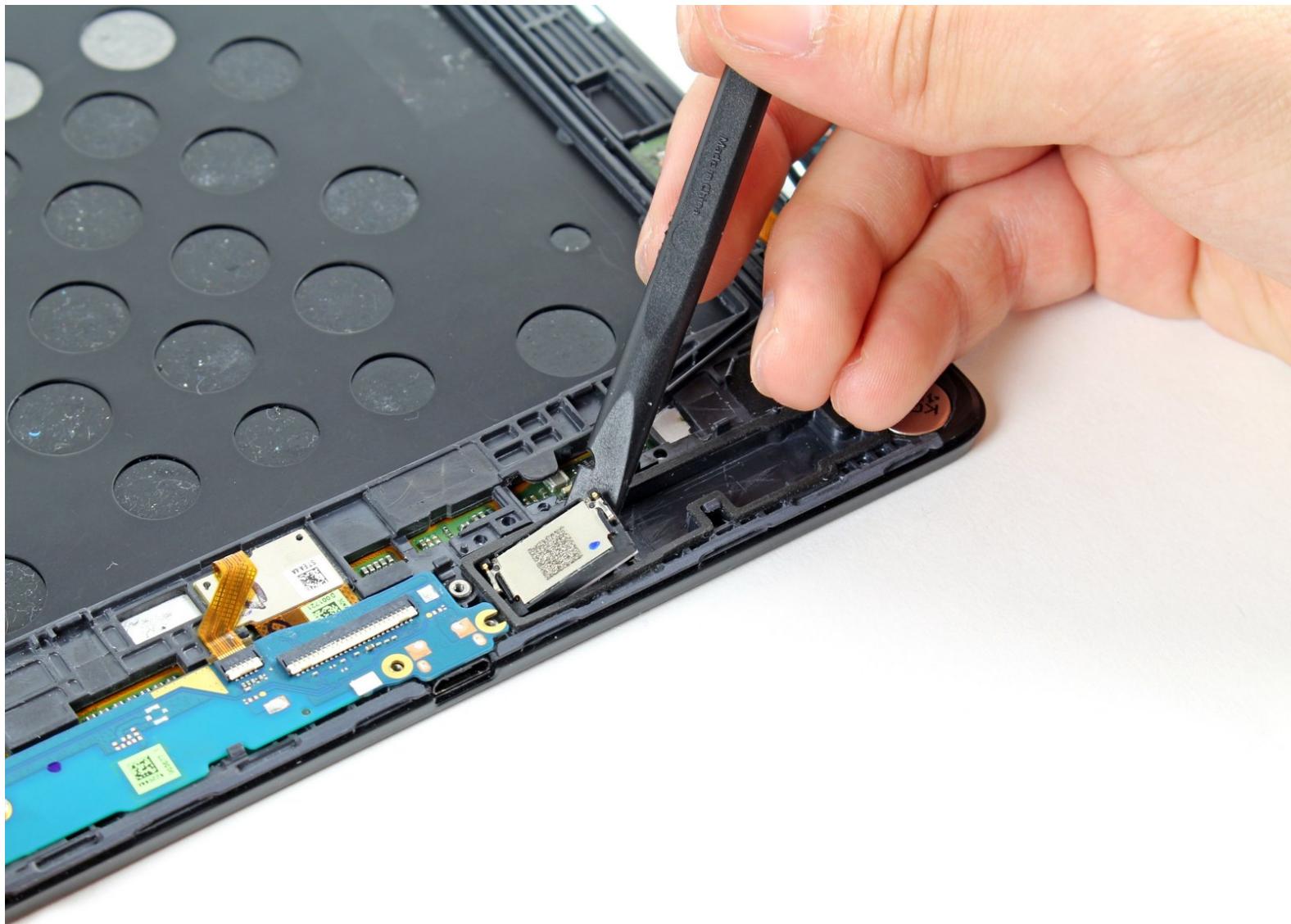




Nexus 9 Speakers Replacement

Replace the speakers.

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INTRODUCTION

Use this guide to replace the two speakers on your Nexus 9.

TOOLS:

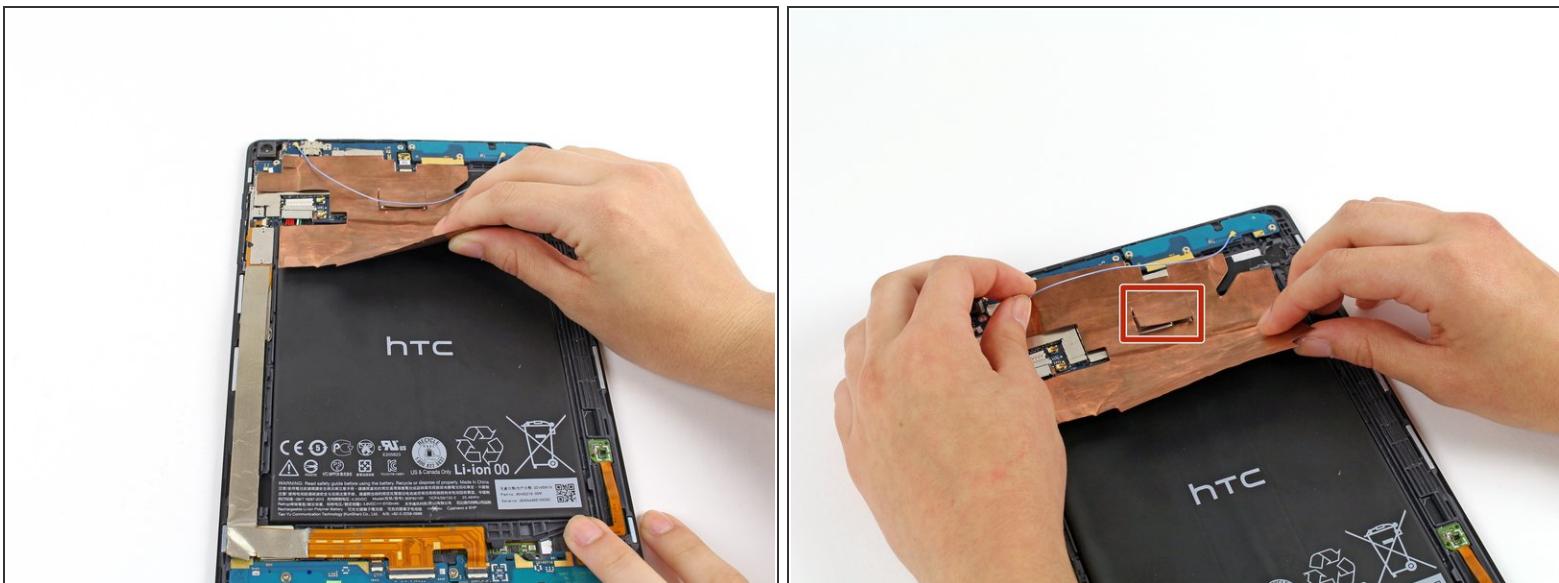
- [Spudger](#) (1)
- [Tweezers](#) (1)
- [T5 Torx Screwdriver](#) (1)

Step 1 — Rear Case



- With your fingers, carefully pry off the back plastic casing. Starting at the corners is usually the easiest.
- The rear-facing camera seems to fit a little too snugly in its compartment on the rear case; so make sure that it stays connected to the motherboard.

Step 2 — Battery



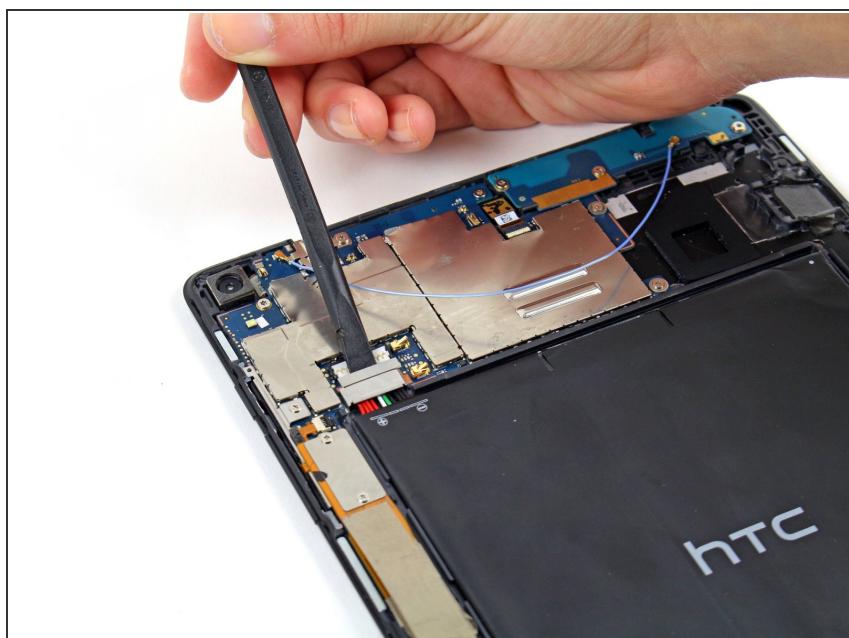
- Carefully peel up the copper shielding with your fingers.
- Before fully removing the copper shielding, make sure that the blue antenna cable is out of the way of the copper tab.

Step 3



- Using the spudger tool, carefully remove the bottom of the battery from its location below the logic boards.
- The battery is attached to the motherboard with some adhesive, so you may need an iOpener to loosen up the adhesive. Check out the [iOpener guide](#) for info on how to do it.
- Do not pull the battery from the tablet yet, as it is still connected to the motherboard.

Step 4



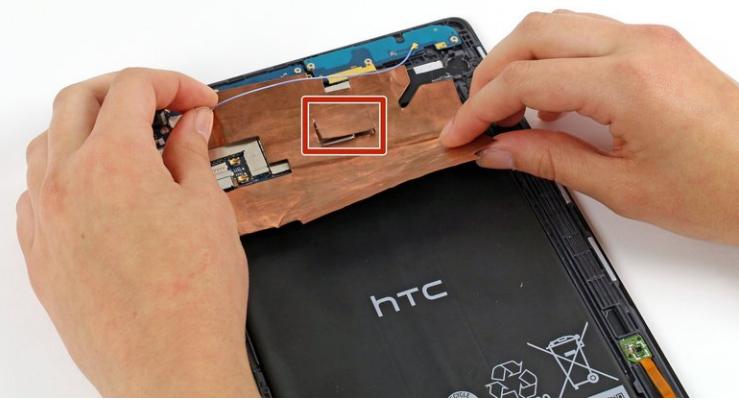
- Now remove the metal clip covering the battery's connector cable located above the top left of the battery with the spudger.
- After the metal clip is wiggled free, the battery's connector cable can be easily removed by just gently tugging it free.

Step 5



- The battery should now lift free of the tablet.

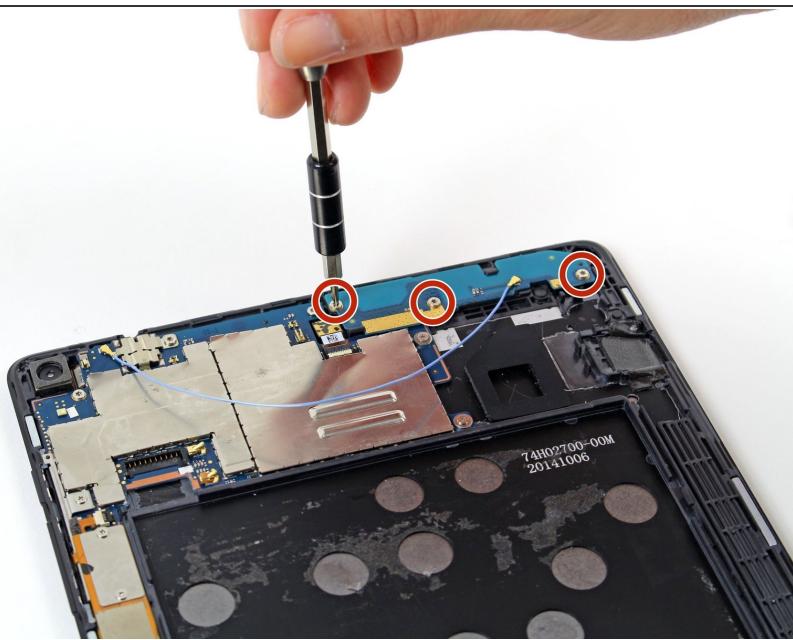
Step 6 — Antenna Board



 This step is **not** necessary if you have already removed the battery.

- Carefully peel up the copper shielding with your fingers.
- Before fully removing the copper shielding, make sure that the blue antenna cable is out of the way of the copper tab.

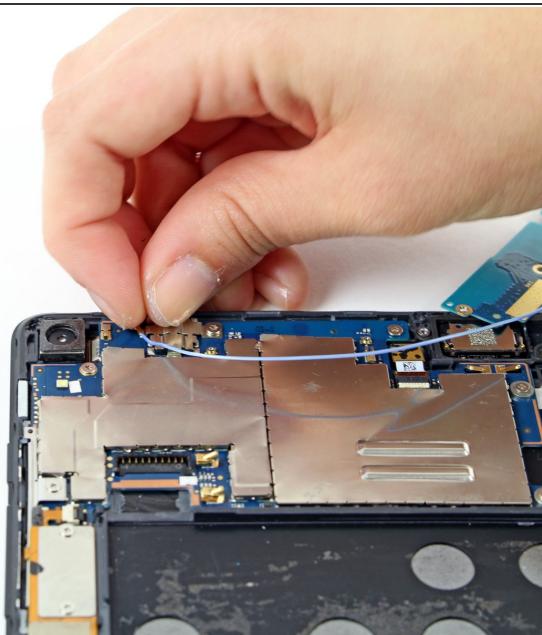
Step 7



- Unscrew the three 3 mm Torx T5 screws on the antenna board.

(i) This step and the next show the battery removed, but it is **not** necessary to remove it if you are only replacing the antenna board.

Step 8

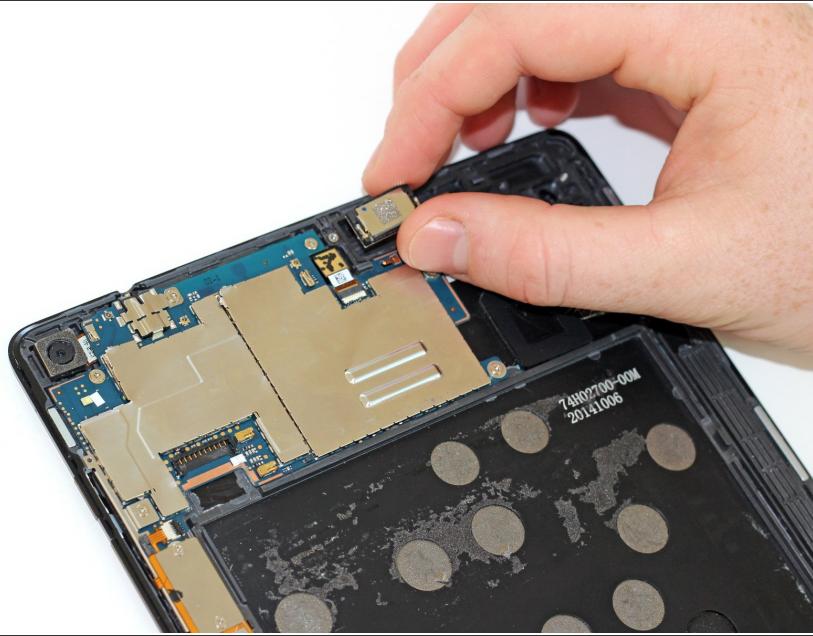


- Use your fingers or a pair of tweezers to disconnect the blue antenna cable from the motherboard.

 When reinstalling the antenna, be sure to clean it with a degreaser such as windex or isopropyl alcohol. The oils on your fingers have the potential to create wireless interference.

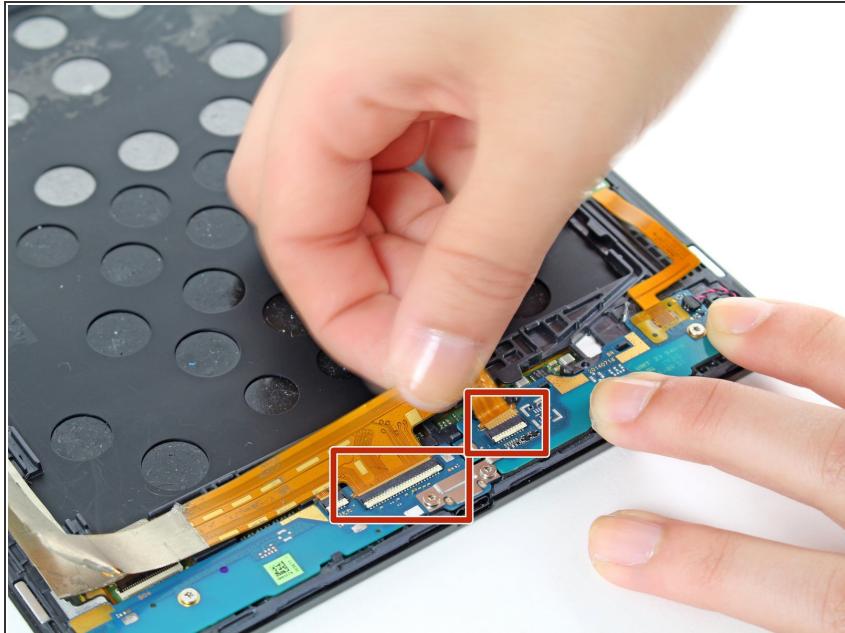
- The antenna board should now lift free of the motherboard.

Step 9 — Speakers



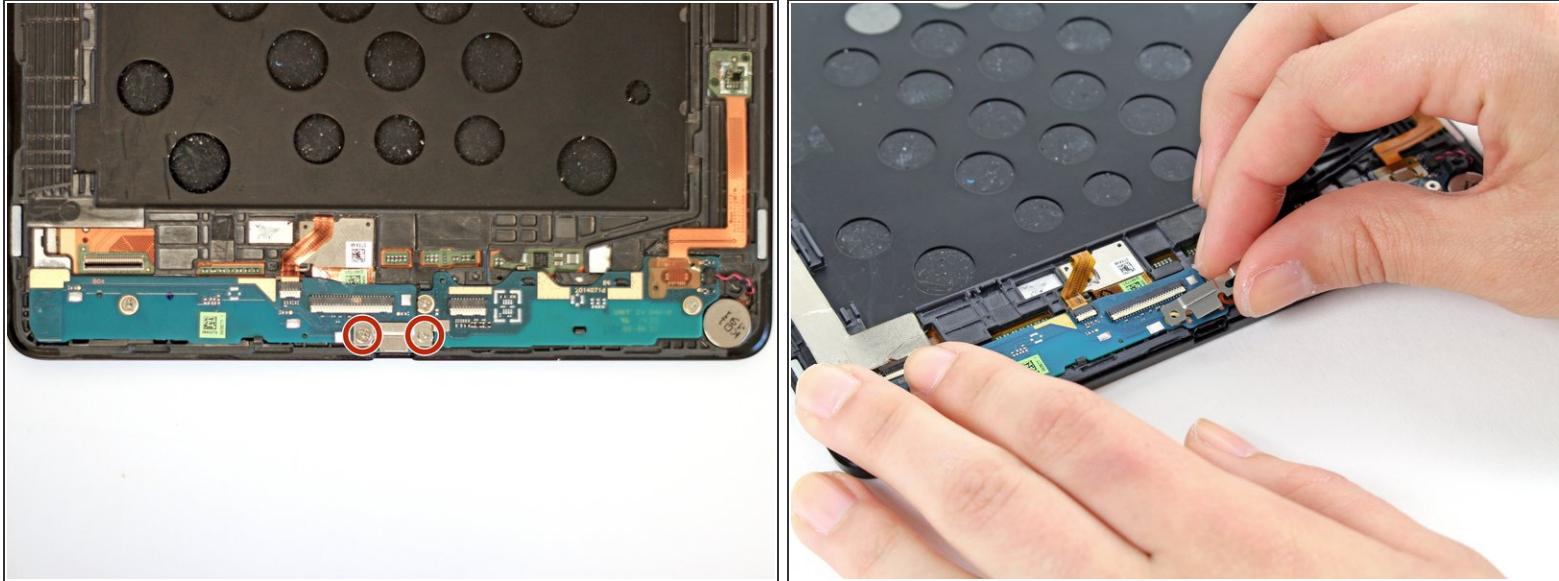
- Use a spudger or your fingers to remove the first speaker. The speaker may be heavily glued in and require heat to lift. Be careful as you can pull the speaker apart.

Step 10



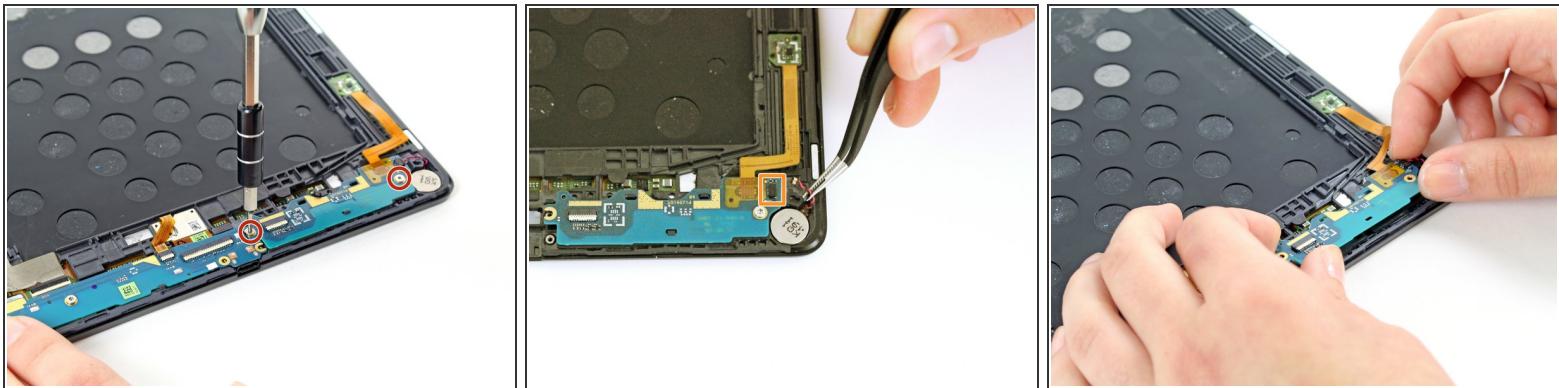
- Disconnect the two ZIF connectors attached to the daughterboards.
- Gently pull on the ribbon cable to remove it.

Step 11



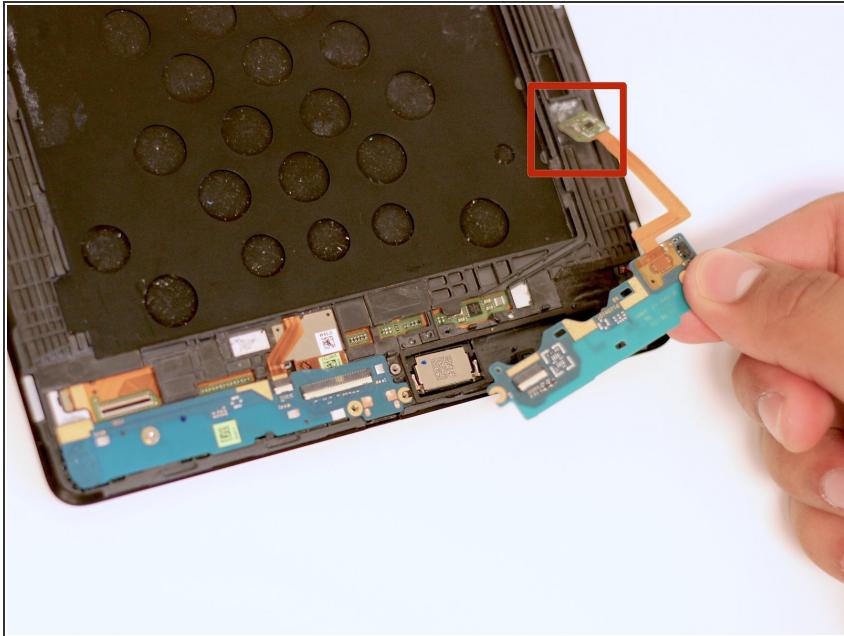
- Remove the two 3mm T5 Torx screws securing the metal USB port bracket.
- Use your fingers or a pair of tweezers to remove the bracket.

Step 12



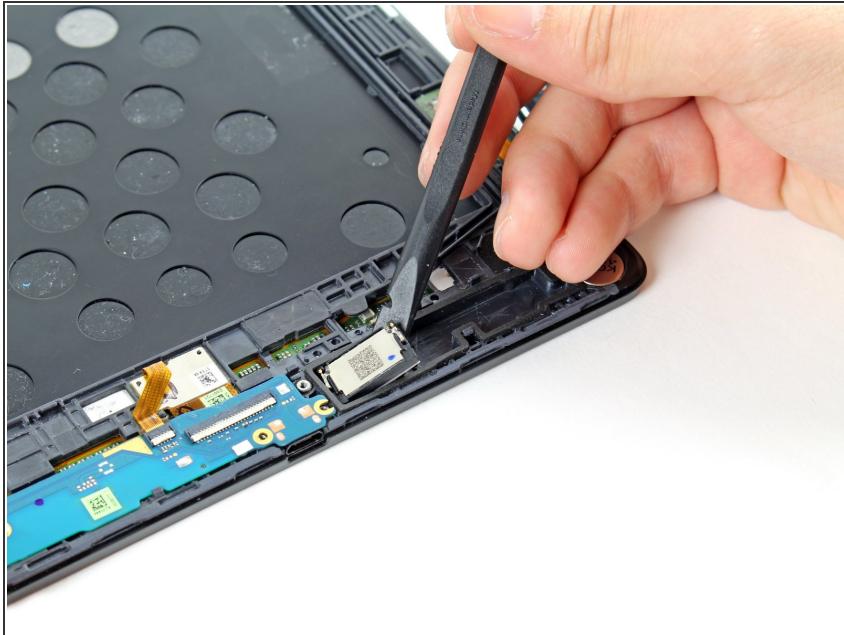
- Unscrew the two 3mm T5 Torx screws securing the daughterboard to the device.
- Use a pair of tweezers to disconnect the vibrator cable. It will lift straight up from the daughterboard connector.
- Use your fingers to lift the daughterboard upward and out of the device.

Step 13



- The daughterboard has an orange ribbon cable that is adhered to the device. Gently pull the ribbon up and remove the daughterboard.

Step 14



- Use a spudger to remove the second speaker.

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