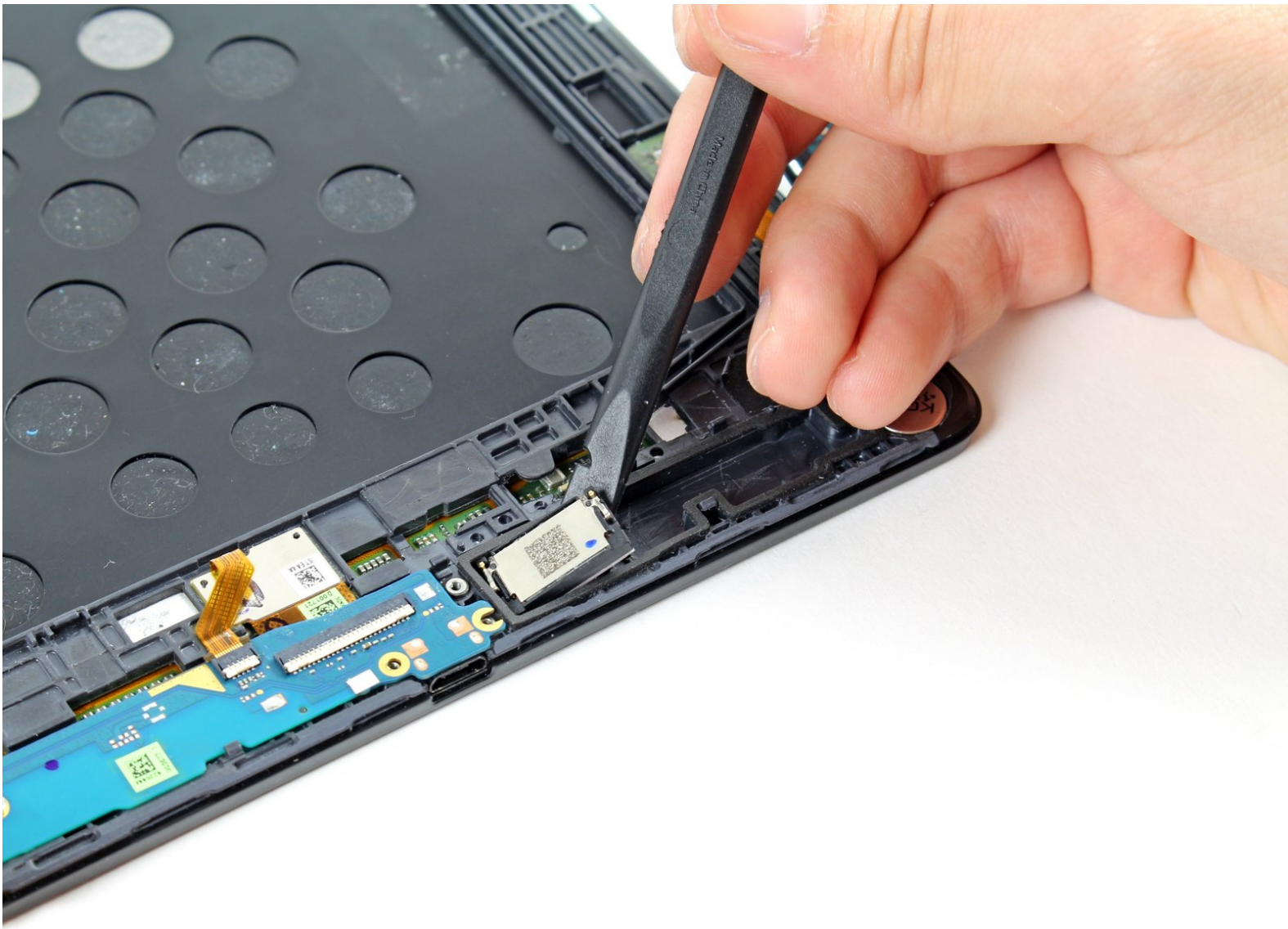




# Nexus 9 Speakers Replacement

Replace the speakers.

Written By: Lauren Williams



# INTRODUCTION

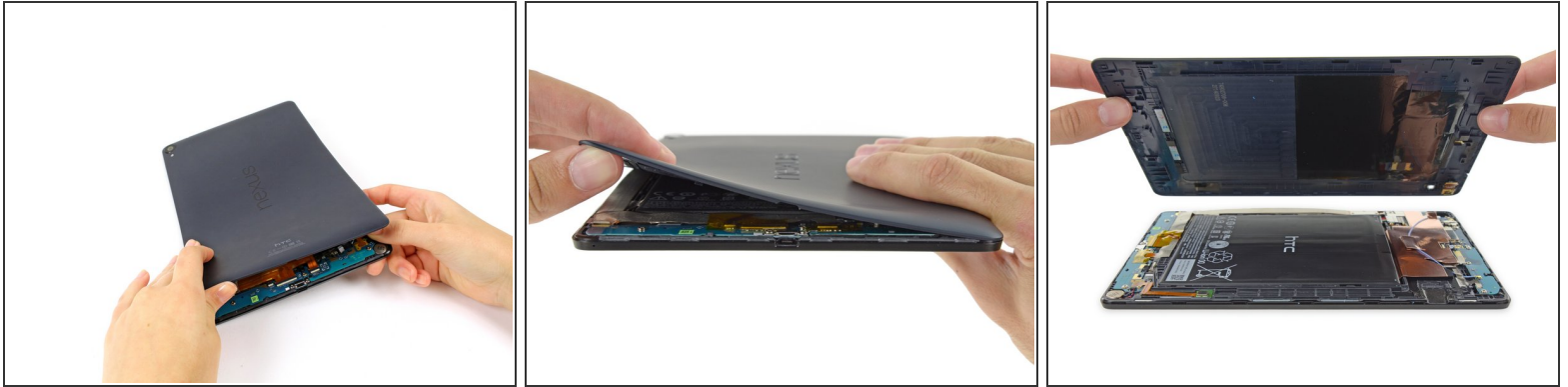
Use this guide to replace the two speakers on your Nexus 9.



## TOOLS:

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

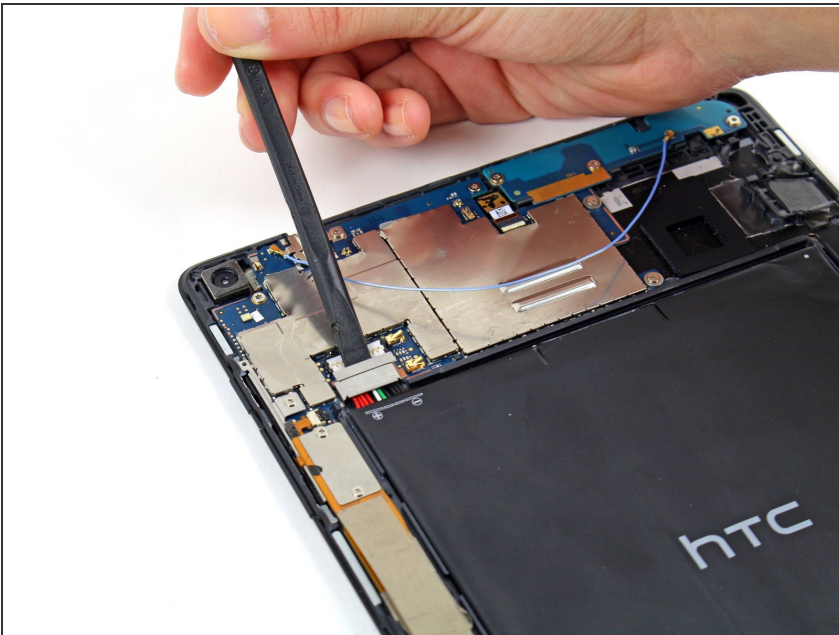


### Step 3



- 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



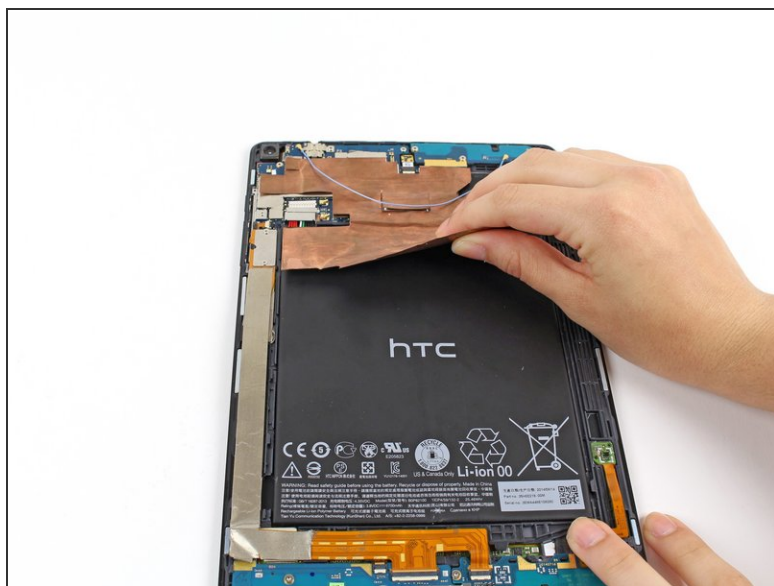
- Now remove the metal clip covering the battery's connector cable located above the top left of the battery with the spudger.
- After the metal clip is wiggled free, the battery's connector cable can be easily removed by just gently tugging it free.

## Step 5



- The battery should now lift free of the tablet.

## Step 6 — Antenna Board

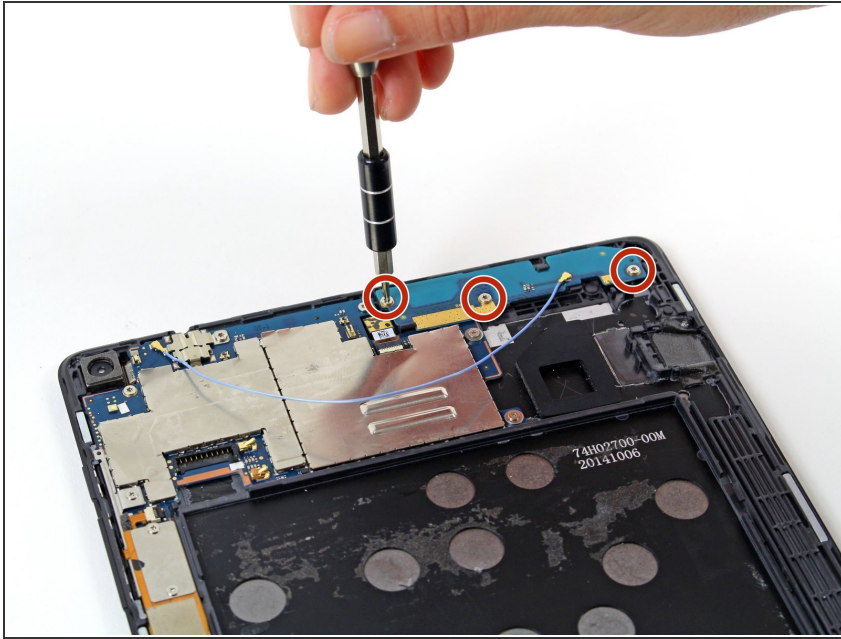


✦ This step is **not** necessary if you have already removed the battery.

- 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.

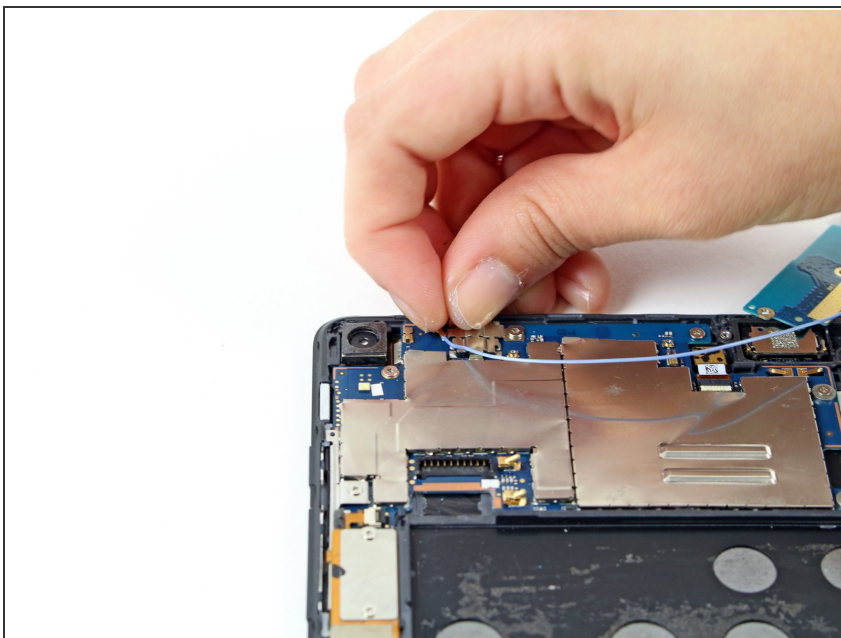
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## Step 7



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

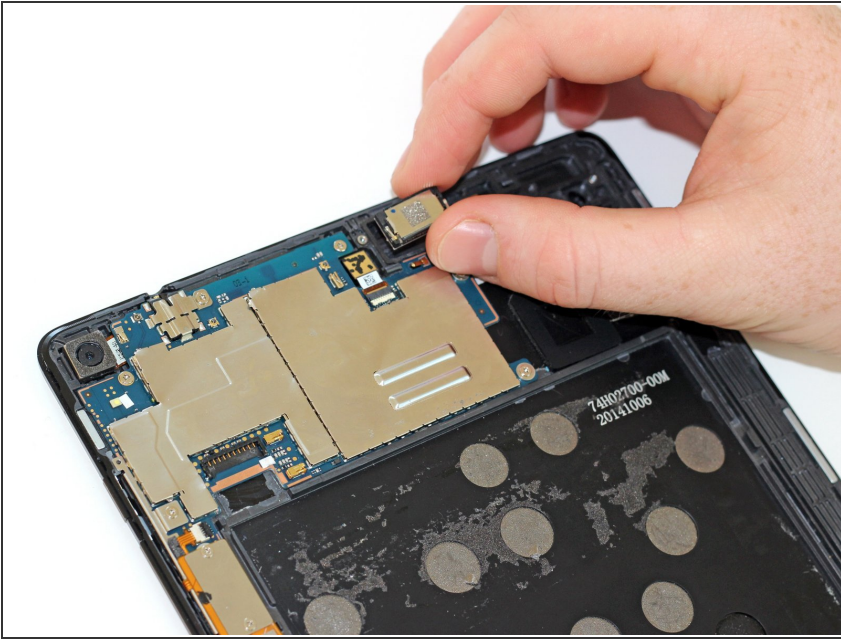
## Step 8



- 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.

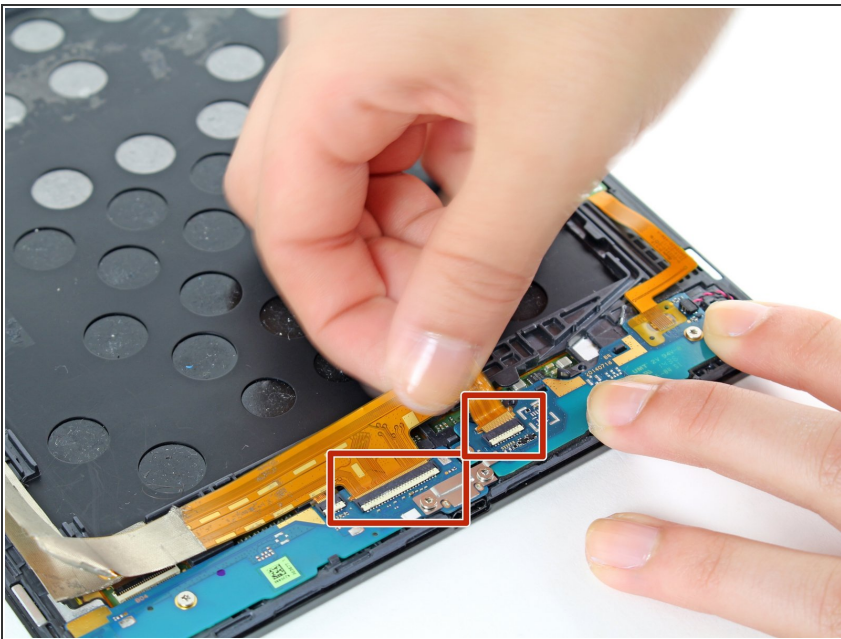


## Step 9 — Speakers



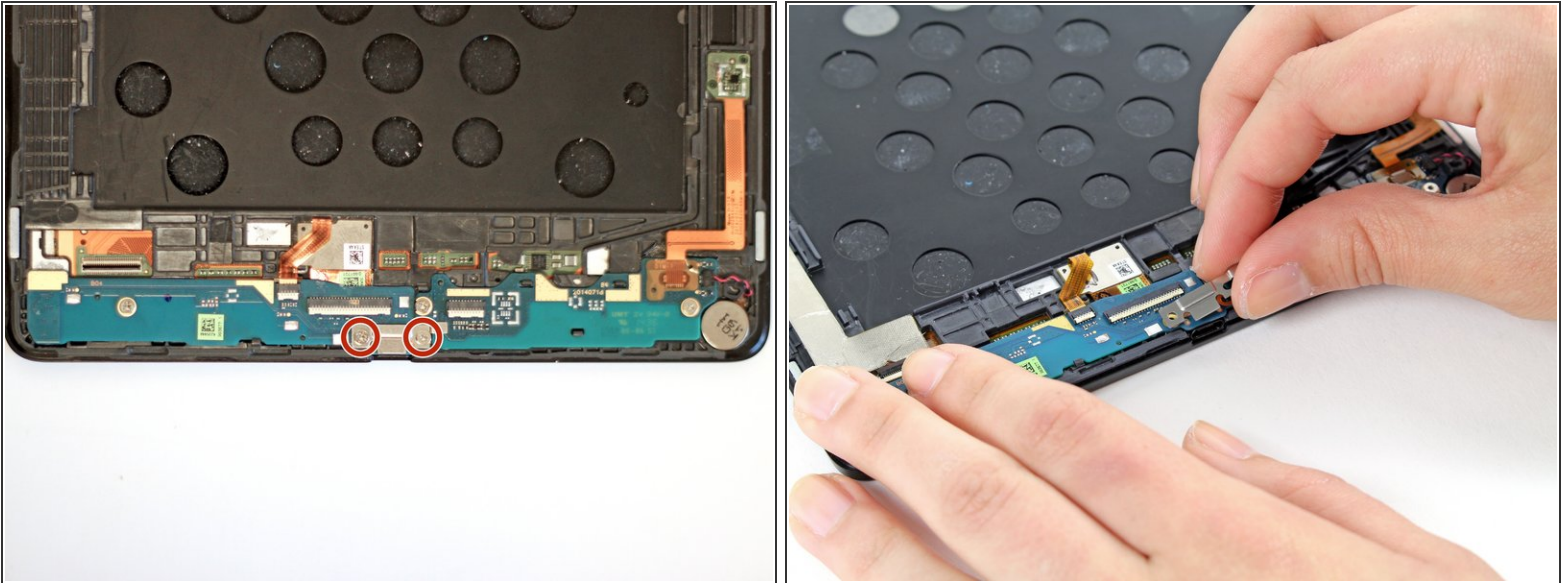
- Use a spudger or your fingers to remove the first speaker. The speaker may be heavily glued in and require heat to lift. Be careful as you can pull the speaker apart.

## Step 10



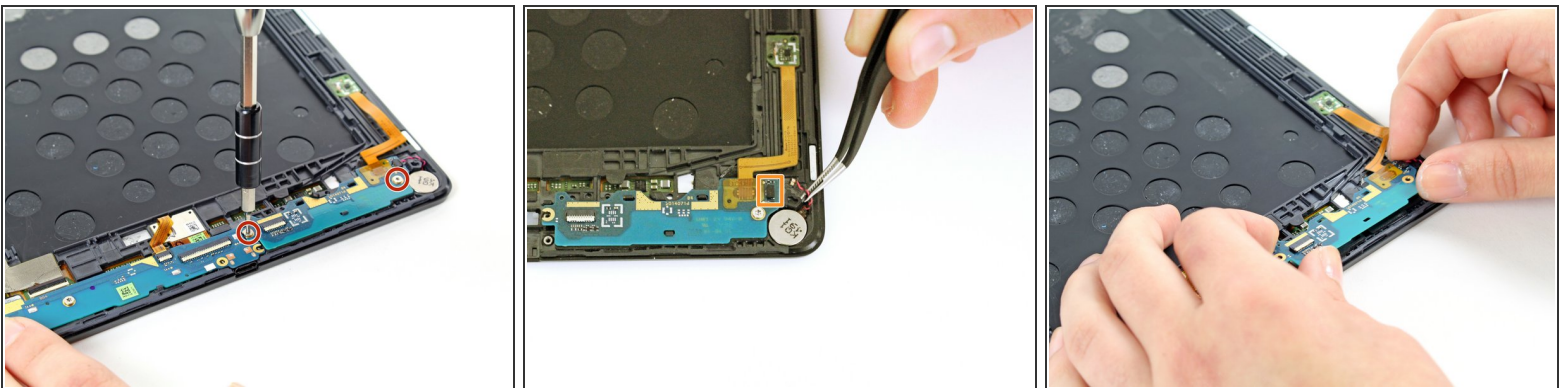
- Disconnect the two ZIF connectors attached to the daughterboards.
- Gently pull on the ribbon cable to remove it.

## 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.

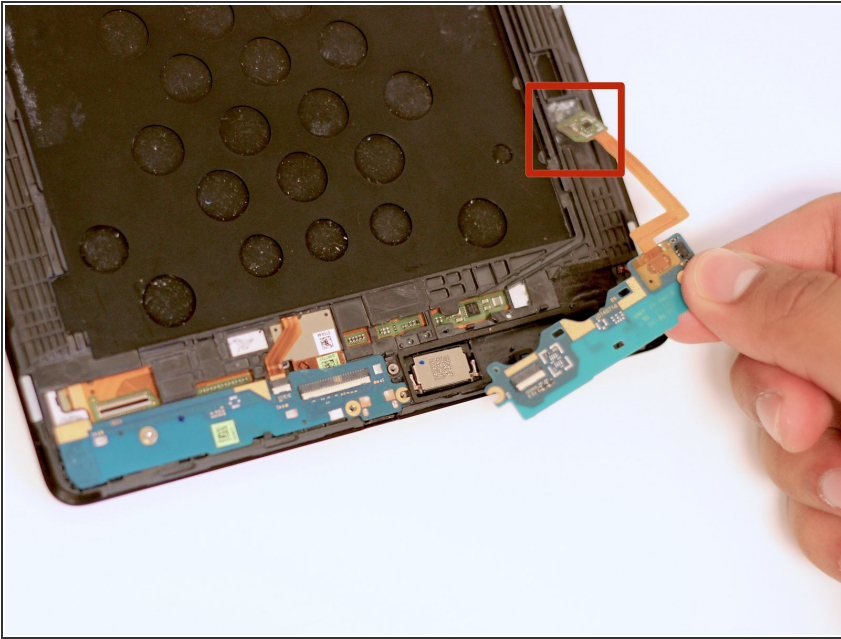
## Step 12



- 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.

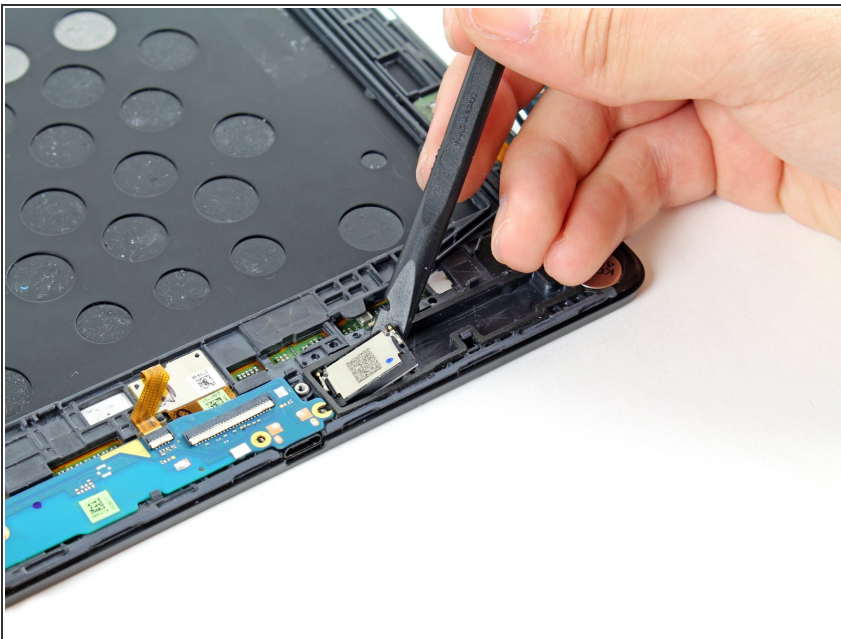


## Step 13



- 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.