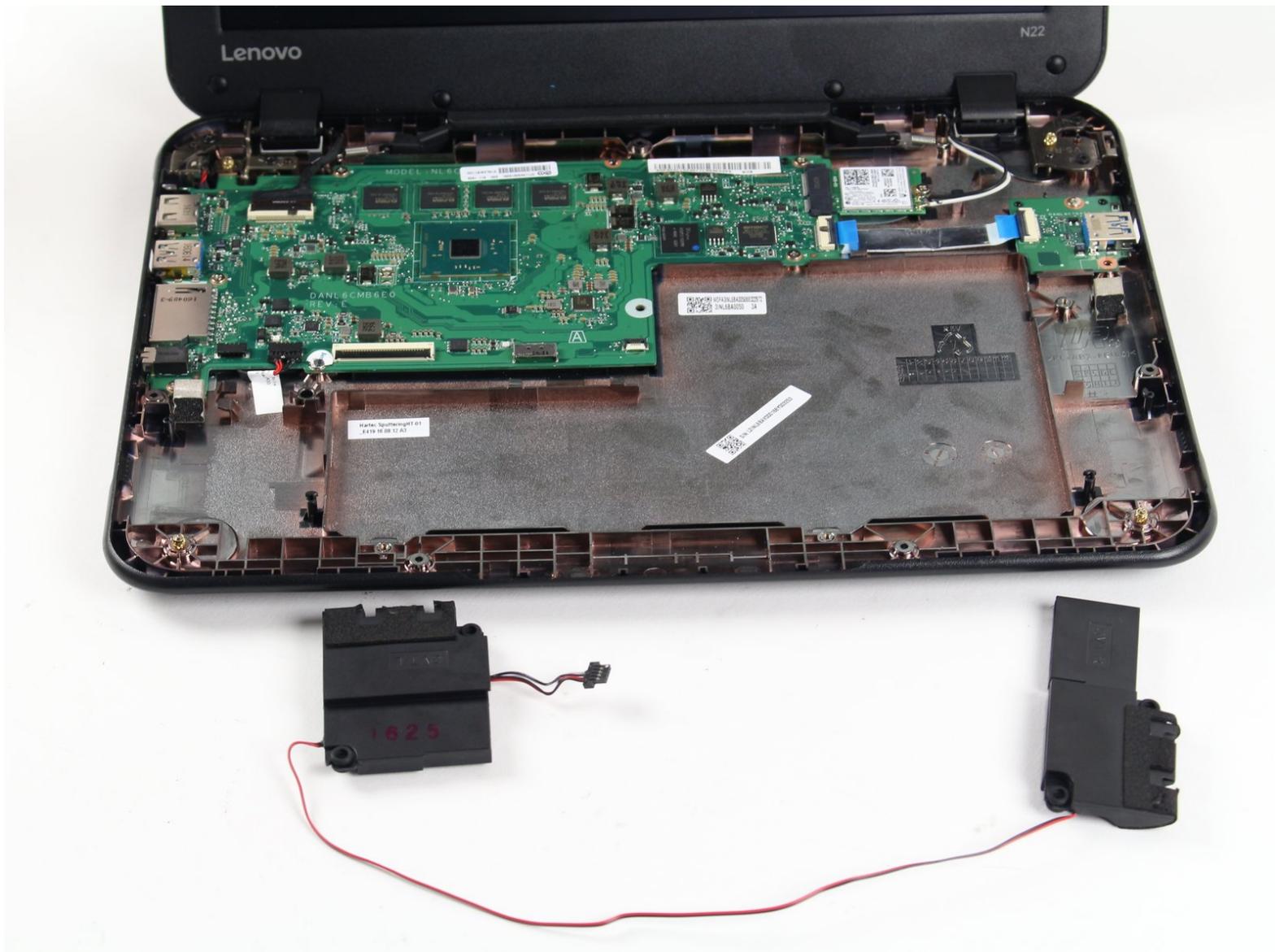




# Lenovo N22 Chromebook Speakers Replacement

Replacing faulty speakers from the Chromebook.

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## INTRODUCTION

This guide will cover the steps needed to remove the speakers. The speakers may need to be removed if the user is experiencing distorted or no audio.

### TOOLS:

- [Phillips #1 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)

### PARTS:

- [Lenovo Chromebook 11 N22 Speaker Set](#) (1)

## Step 1 — Keyboard



- ⚠ Power down the Chromebook before starting the repair.
- ⚠ Opening the Chromebook voids the manufacturer warranty.
- Flip the Chromebook so that the bottom is facing up.
- Use a Phillips #1 screwdriver to remove the six 6.6 mm screws on the bottom.
- Use a spudger to remove each of the 4 rubber feet.
- Use a Phillips #1 screwdriver to remove the four additional screws under the rubber feet.

## Step 2



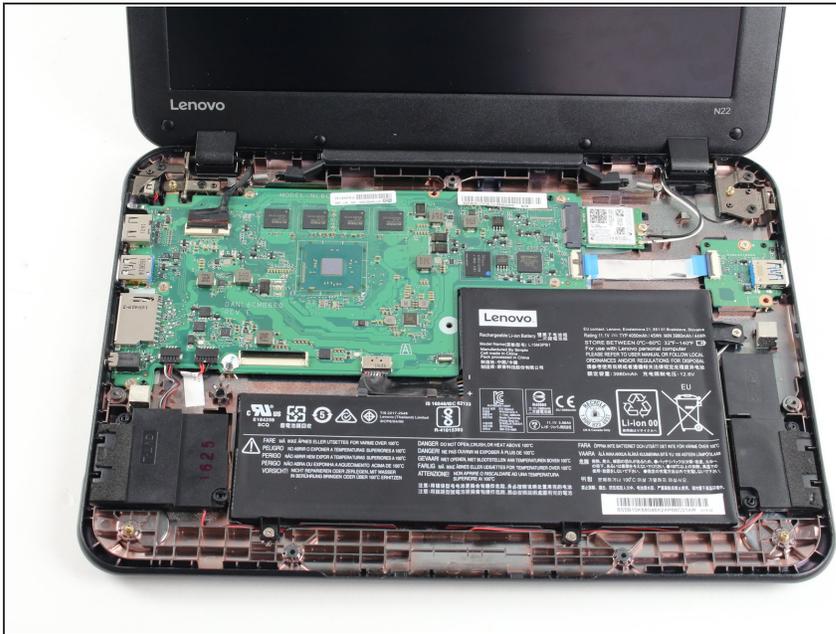
- Flip the Chromebook back over and open the screen.
  - Wedge the plastic opening tool between the keyboard and the bottom of the Chromebook.
  - Run the plastic opening tool along the seam between the keyboard and the bottom of the Chromebook until the keyboard moves freely. Several tabs will pop out.
- i** It is normal for the tabs to make a loud click when released. The corner tabs will be harder to release than the others and will make a louder click.

## Step 3



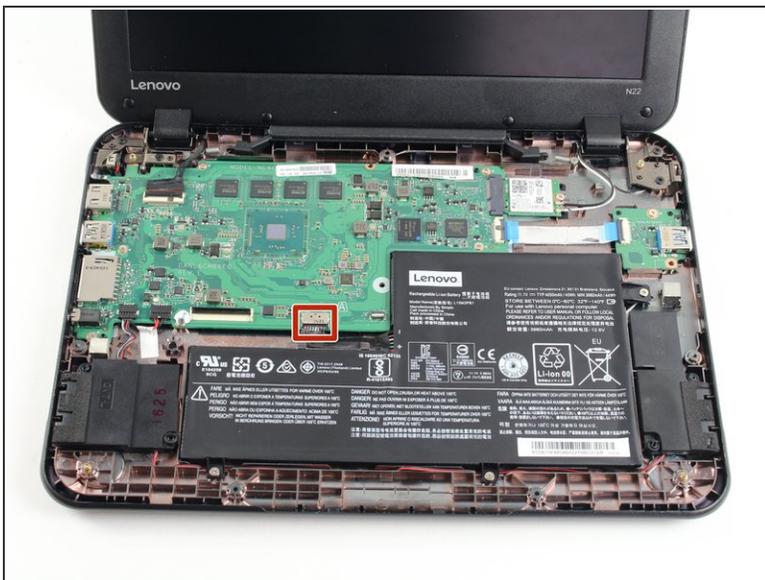
- Once the keyboard is released, grab the two top corners closest to the screen and slowly lift the keyboard up.
- ⚠ Do not lift the keyboard quickly or you might break the two cables that connect the keyboard to the motherboard.
- Disconnect the cables by lifting up the retaining flaps on the black ZIF connectors.
- Slowly pull the cables up and out of the connectors.

## Step 4



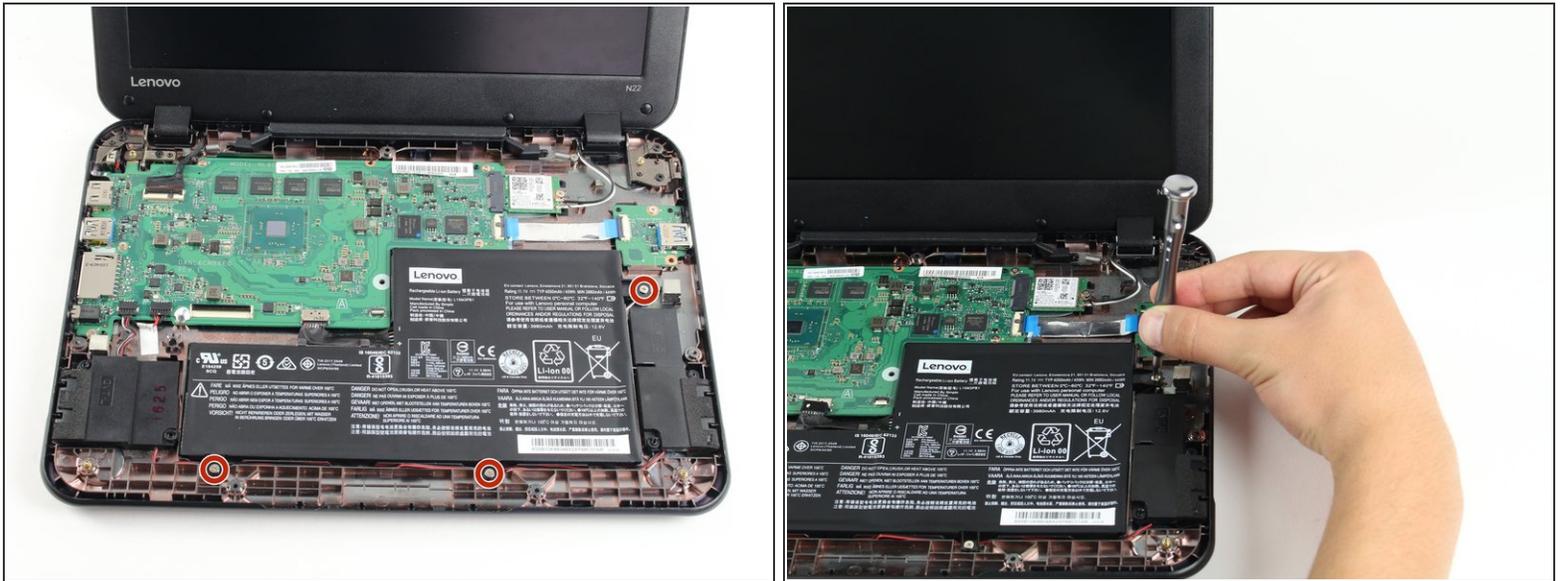
- Lift the keyboard up and off the back panel, exposing the motherboard and battery.

## Step 5 — Battery



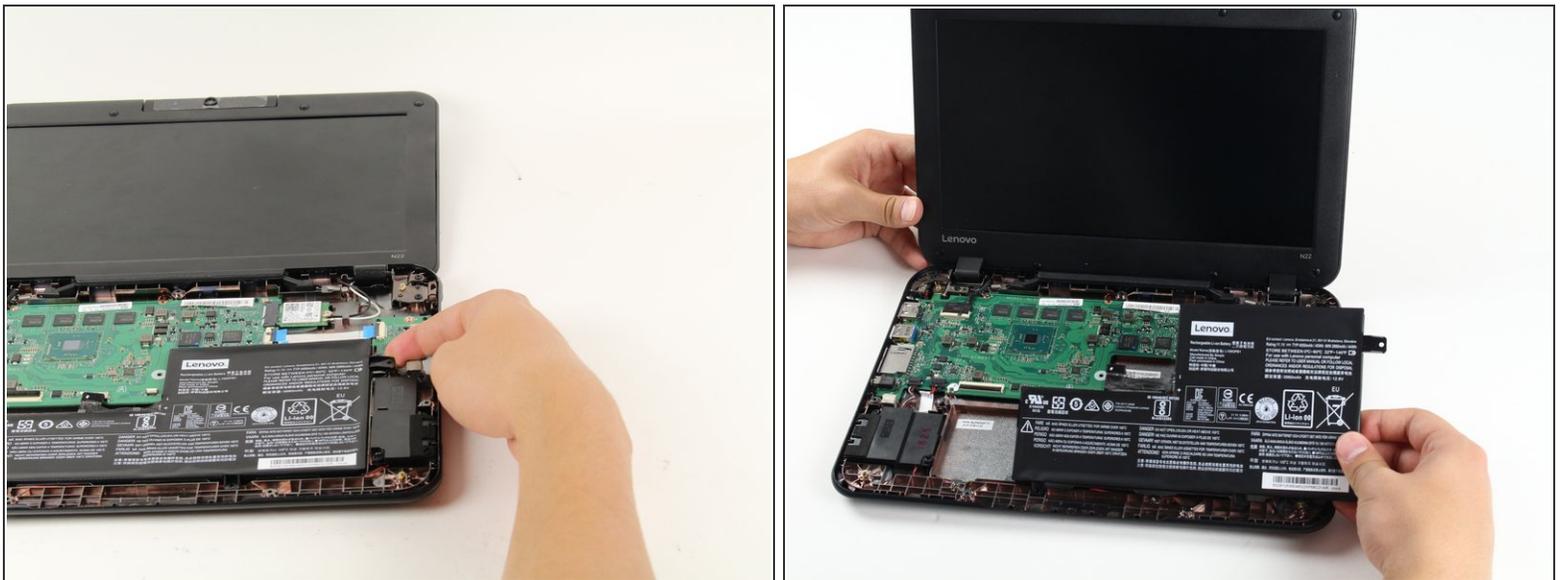
- Separate the battery cable from the motherboard by wedging the edge of a plastic opening tool between the black cable connector and the silver socket on the motherboard.
- Pull the battery cable straight towards you, away from the silver socket.

## Step 6



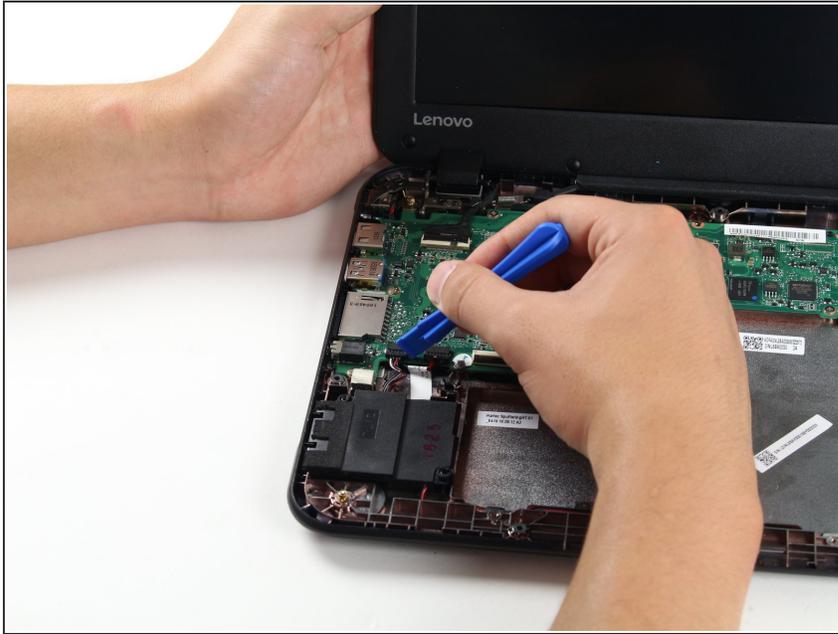
- Use a Philips #1 screwdriver to remove the three 4.3 mm screws securing the battery.

## Step 7



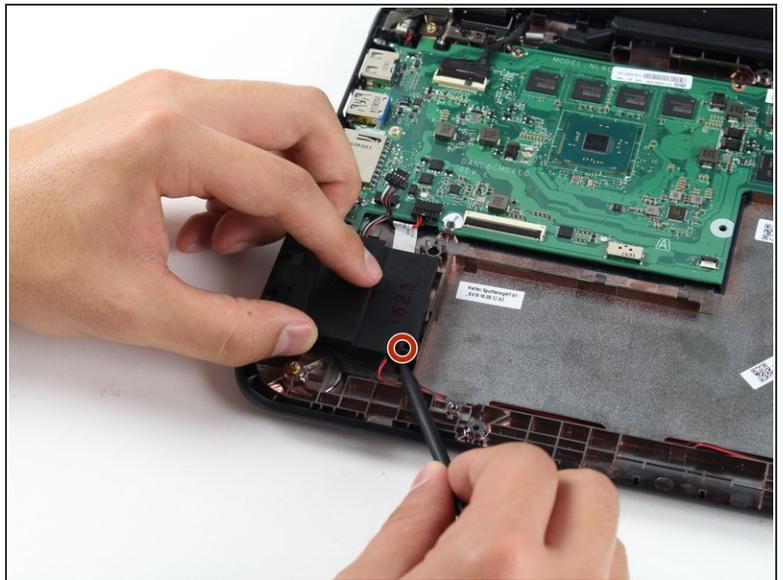
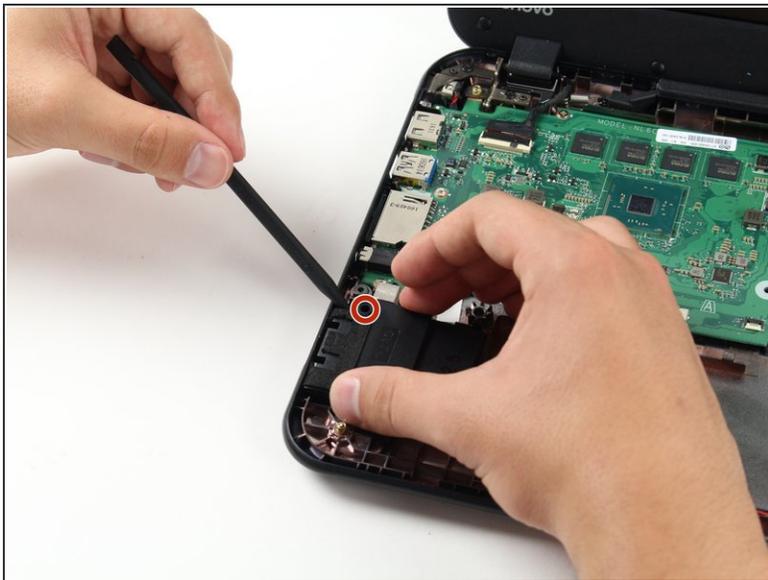
- Lift up on the tabs that were held down by the screws to remove the battery.

## Step 8 — Speakers



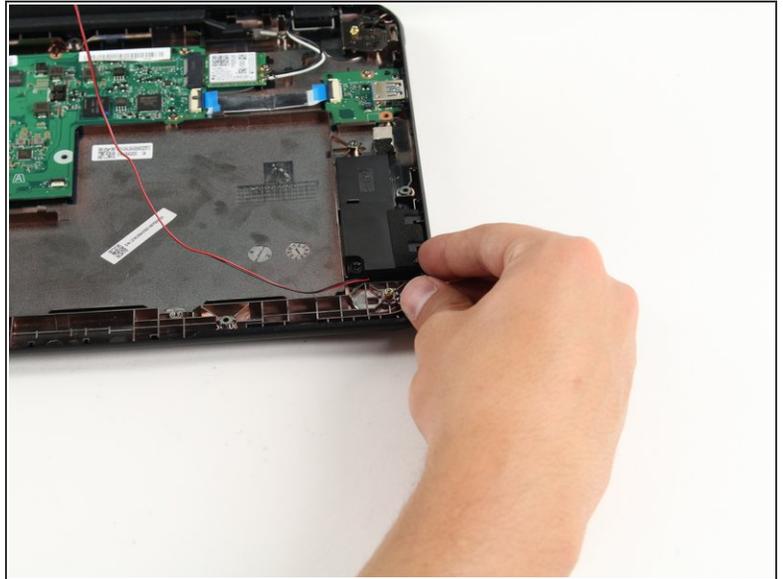
- Use the edge of the opening tool to separate the speaker cable connector from the black socket on the motherboard.
- Pull the cables towards you and away from the socket.

## Step 9



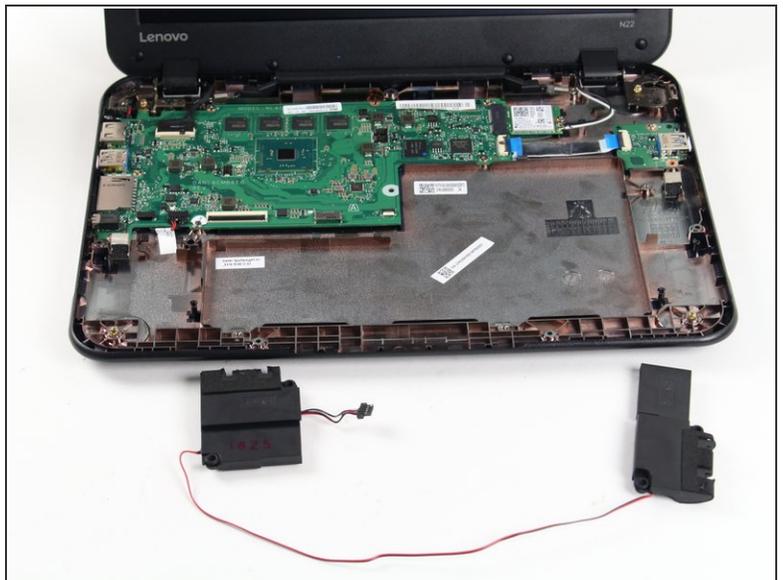
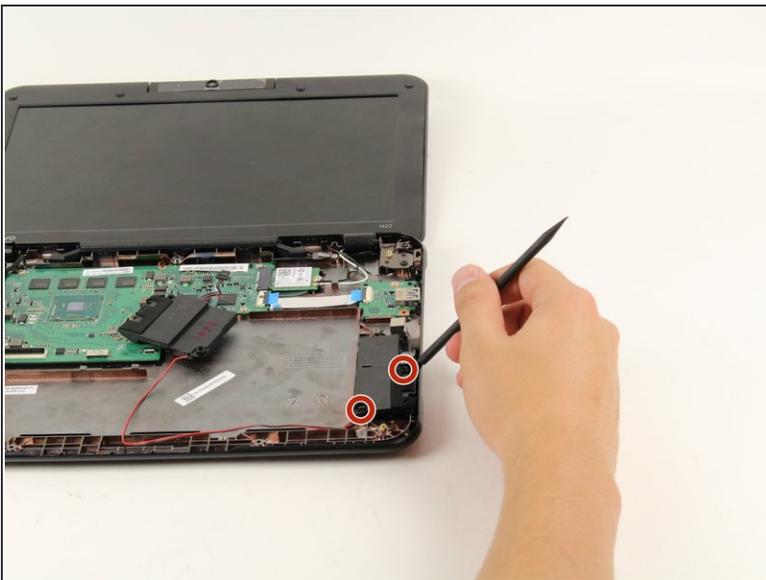
- Use the pointed end of the spudger to pop the speaker up and off of the two posts.

## Step 10



- Slide the wire that connects the two separate speakers out from under the guide tabs.

## Step 11



- Use the flat end of the spudger to pop the speaker up and off of the two posts.

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