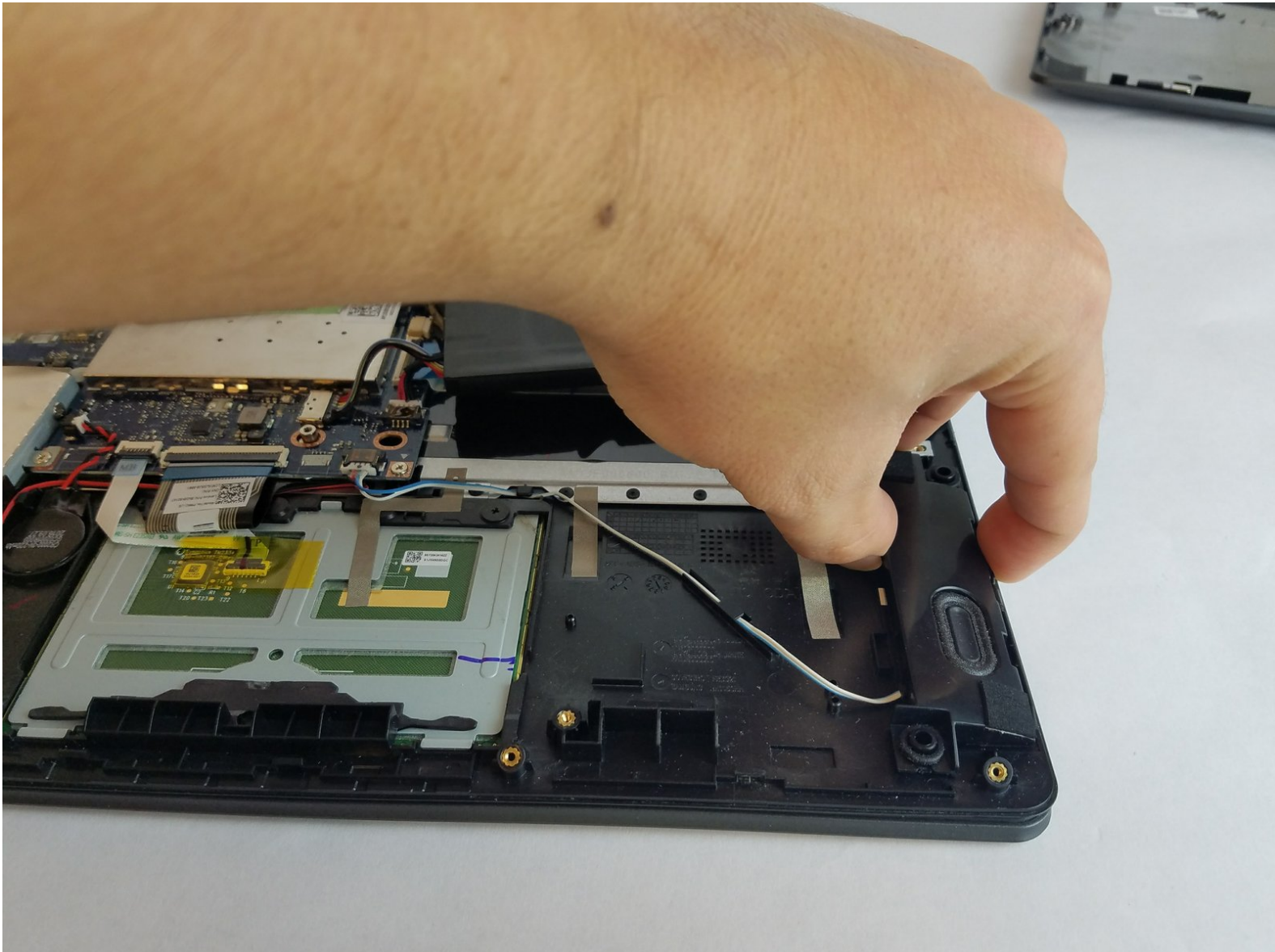




Lenovo IdeaPad Flex 4-1470 Speaker Replacement

This guide will demonstrate how to replace both speakers in the Lenovo IdeaPad Flex 4-1470.

Written By: Robert Cartwright



INTRODUCTION

This guide will demonstrate how to replace the speakers in your device. You may need to replace the device if you have a damaged or blown speaker. Signs of a damaged speaker are distortion at low volumes, and crackling sound.

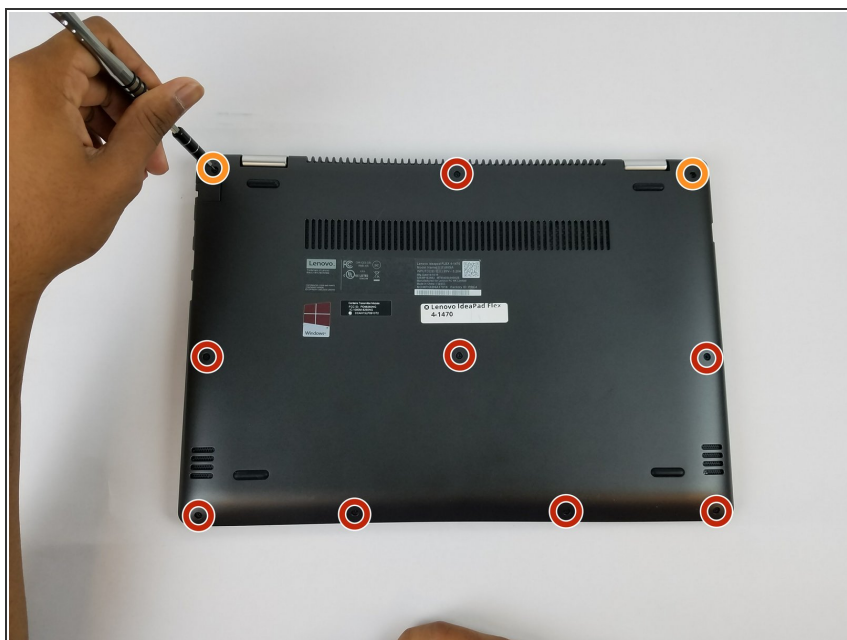
In this guide the repair is done with the laptop flipped so the left speaker is on the viewers right and vice versa. For the purpose of simplicity we will refer to the speakers based on their current position with respect to the viewer.




TOOLS:

- [Phillips #0 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
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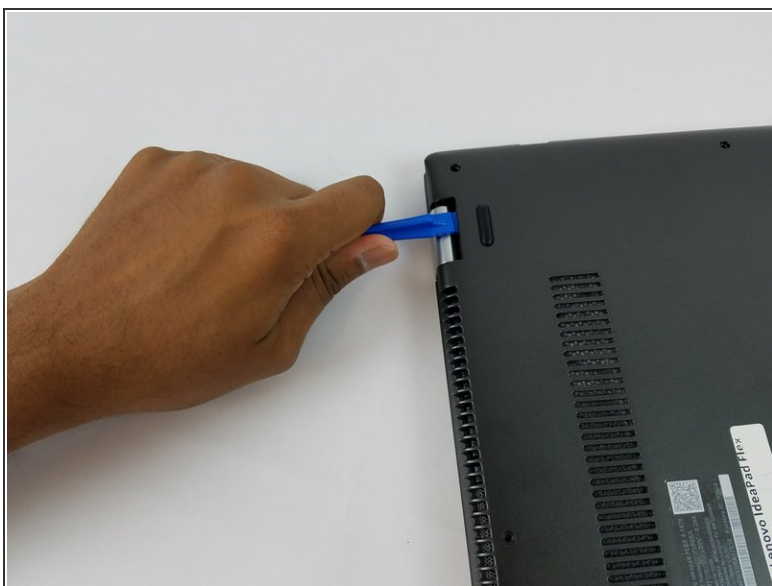
Step 1 — Back Cover



 Ensure your computer is completely OFF before starting this guide.

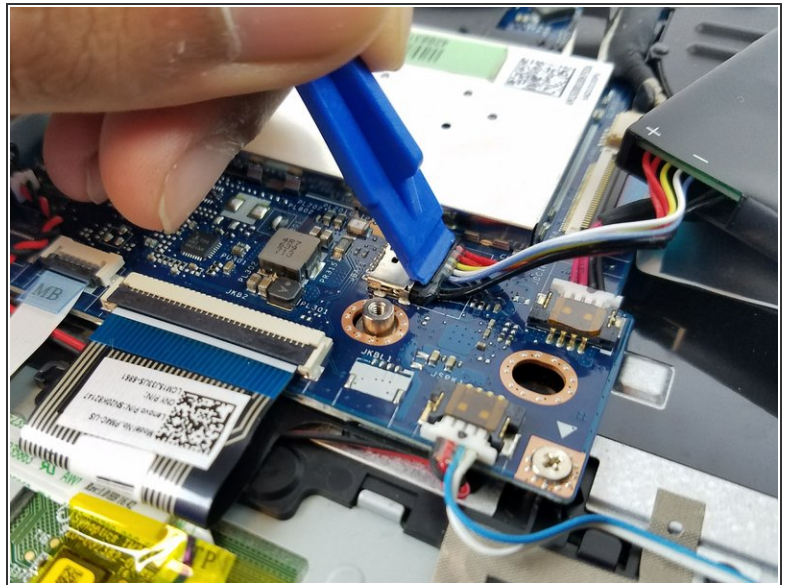
- Remove the eight 6 mm screws using a Phillips #0 screwdriver.
- Remove the two 11 mm screws using a Phillips #0 screwdriver.

Step 2



- Pry the back cover off by inserting the plastic opening tool at the hinges and wedging it between the Back cover and the body.
- Follow along the back edge with the plastic opening tool, lifting the cover off as you go. It is normal to hear snapping/clicking sounds as the back cover is held on by clips.
- Remove the cover.

Step 3 — Battery



- Disconnect the battery connector by using a plastic pry tool or your fingers to push the cable right towards the battery.

⚠ Do not pry or push on the socket itself or you risk damaging the motherboard.

Step 4



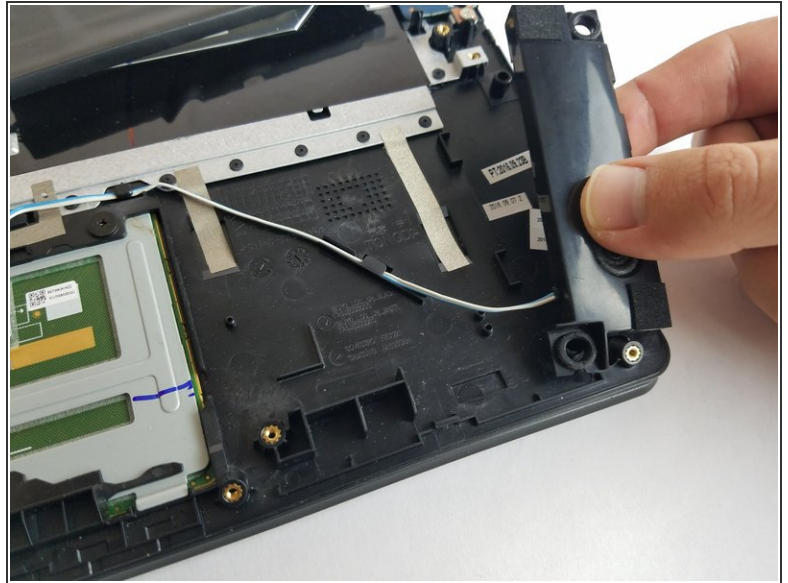
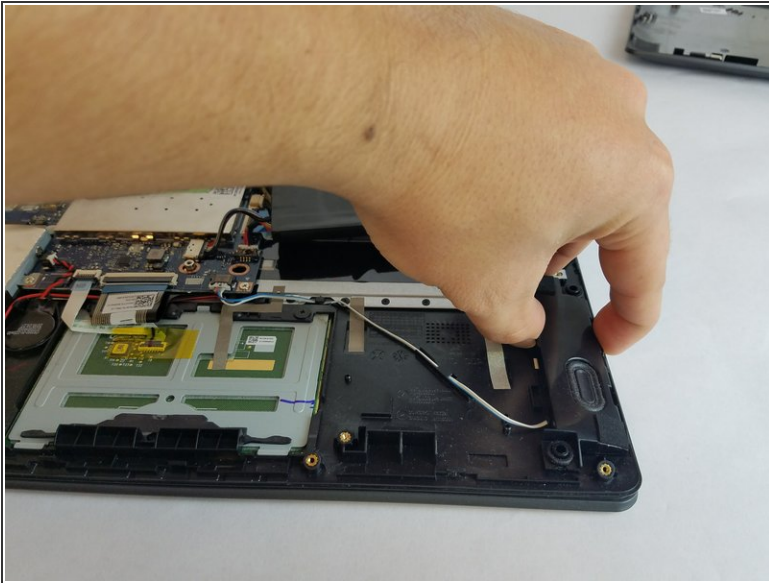
- Remove the three 4 mm Phillips #0 screws holding the battery in place.

Step 5



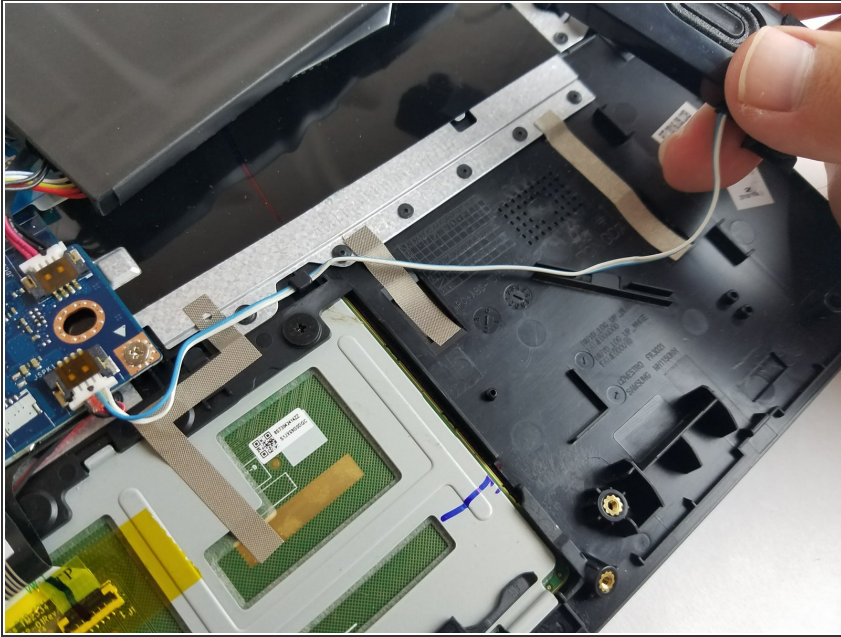
- Lift the battery up and out of the laptop.

Step 6 — Speaker



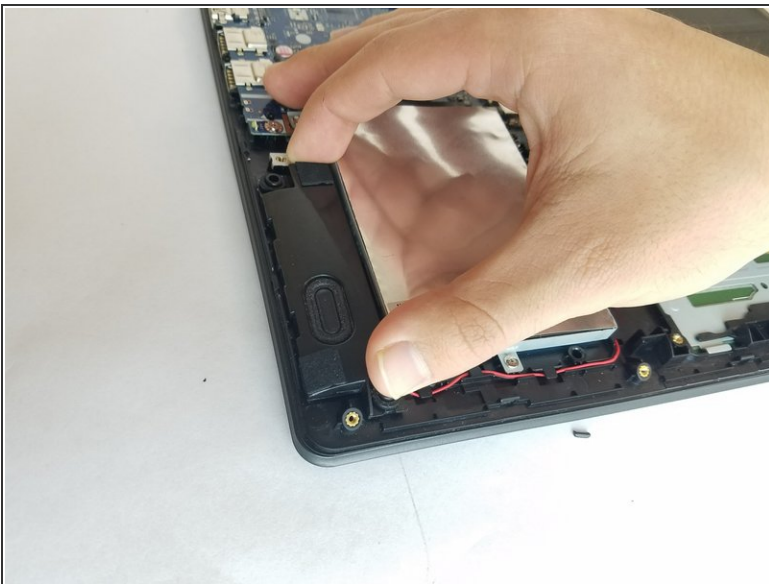
- ⓘ The speakers are not screwed or bolted in like any other components. They have two rubber grommets at each end which hold it in with friction.
- Starting with the speaker on the right, use your fingers to lift both ends of the speaker off.
- ✦ The grommets may fall off when removing the speaker. When reassembling make sure you place the grommets back into the notches on the speaker before trying to mount the speaker. The specific orientation and position doesn't matter

Step 7



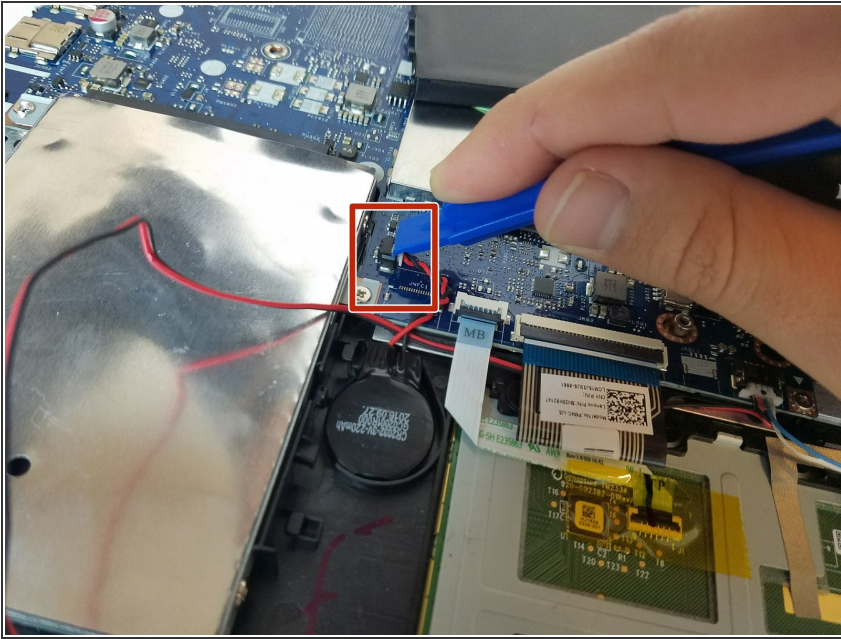
- ❗ In addition to the grommets, the speaker wire running to the motherboard is clipped down.
- Remove speaker wire from the clips.

Step 8



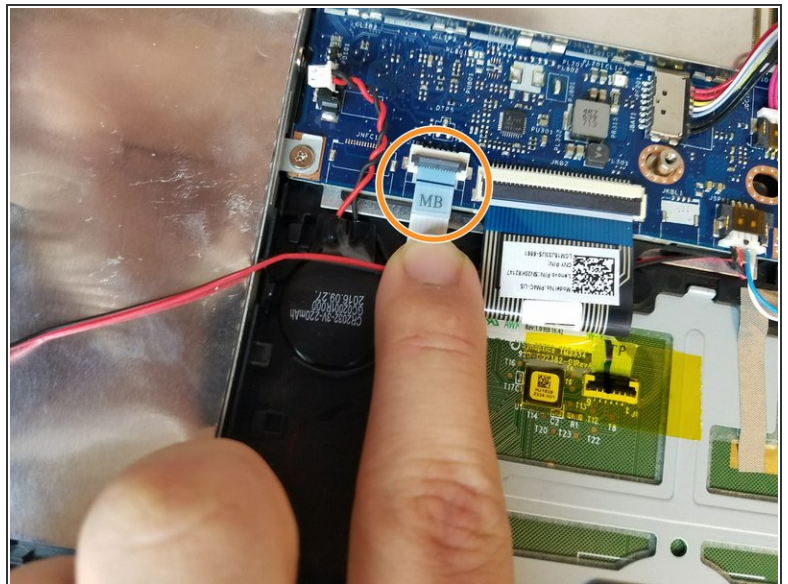
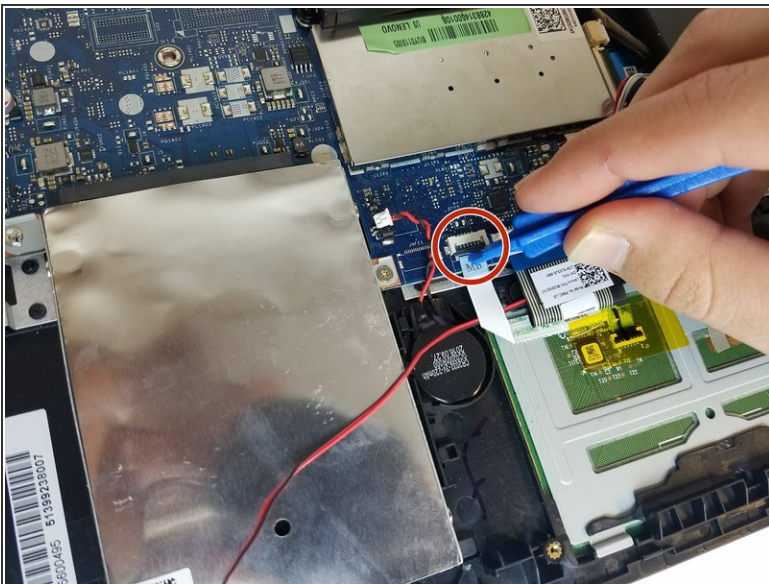
- Repeat the previous steps for the other speaker.

Step 9



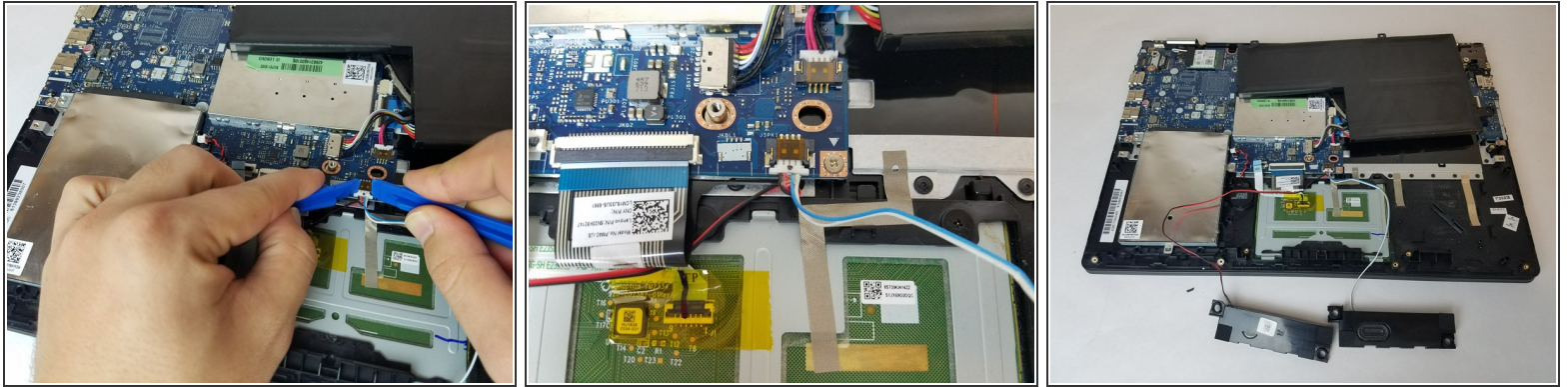
- Remove the wire shown using the plastic opening tool.

Step 10



- Use the Plastic Opening tool to flip open the ribbon cable clip shown.
- Pull gently on the ribbon cable to disconnect it from the motherboard.

Step 11



- Now that both speaker wires are free, disconnect the speakers from motherboard using two plastic opening tools.
- ☑ Keep in mind that the red and black wires lead to the left speaker and the blue and white wires lead to the right speakers.

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