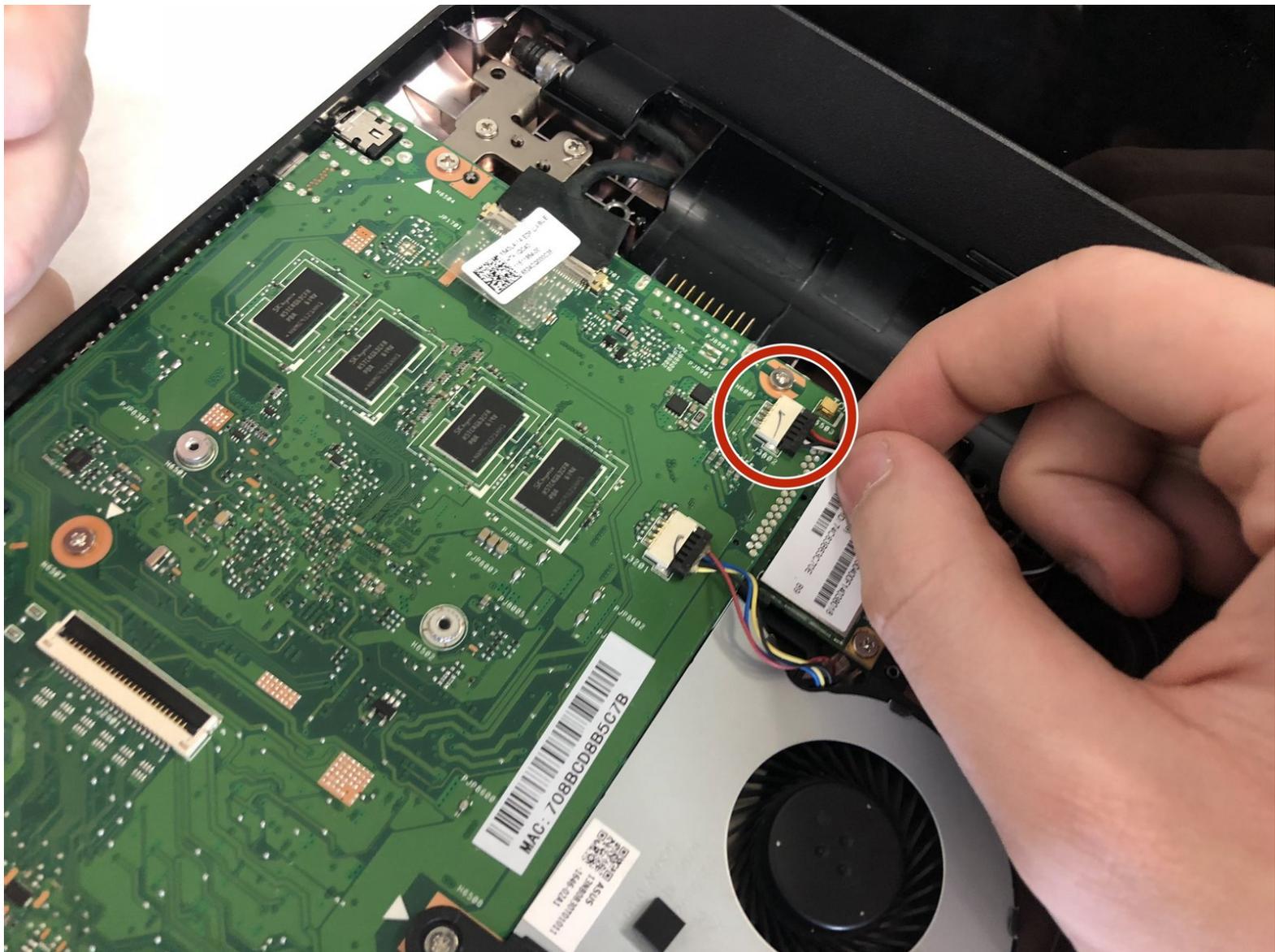




# Asus VivoBook X540SA-BPD0602V Speaker Replacement

Through the course of normal use, it is...

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## INTRODUCTION

Through the course of normal use, it is possible that the in-built speakers in the Asus Vivobook X540SA will become damaged or stop functioning. In this guide, the user will find step-by-step instructions for opening up the device, accessing the speakers, and removing them.

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### TOOLS:

- [Phillips #00 Screwdriver](#) (1)
  - [Phillips #1 Screwdriver](#) (1)
  - [iFixit Opening Tool](#) (1)
  - [Magnetic Project Mat](#) (1)
  - [Phillips #0 Screwdriver](#) (1)
  - [Metal Spudger](#) (1)
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## Step 1 — Keyboard



- Power down the laptop using the device's power button in top right corner of the keyboard. Ensure that the device's power cord is disconnected.

## Step 2



- Flip the laptop over so the back panel is displayed.

### Step 3



- Using a Phillips #1 screwdriver, remove the ten screws from the back panel.
- Remove the two battery screws (15.6 mm)
- Two top corner screws (12.5 mm)
- Six case screws (9.7mm)

### Step 4



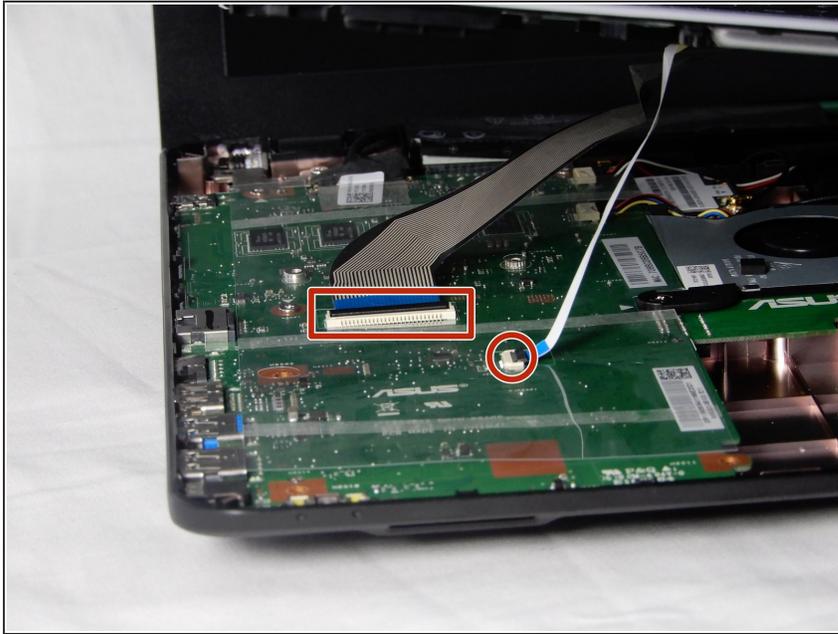
- Flip the laptop back over and open it, revealing the screen and keyboard.

## Step 5



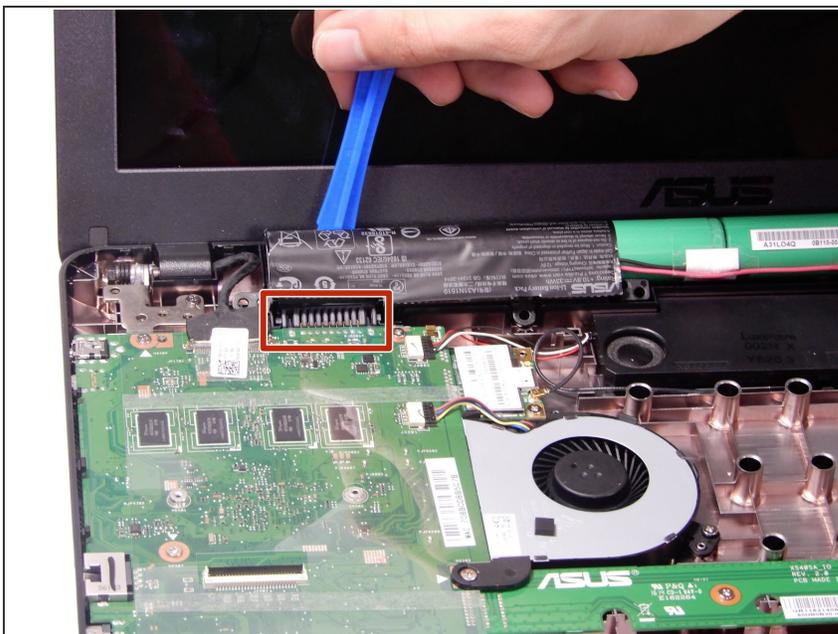
- Using the blue plastic opening tool, wedge and loosen the seal all the way around the edges. Carefully lift up the keyboard panel.
- ⚠ When lifting the keyboard panel, do not lift it all the way as the two connection ribbons to the motherboard must be disconnected.
- ⓘ It is recommended to break the seal of the case starting at the upper corners closest to the display monitor .

## Step 6



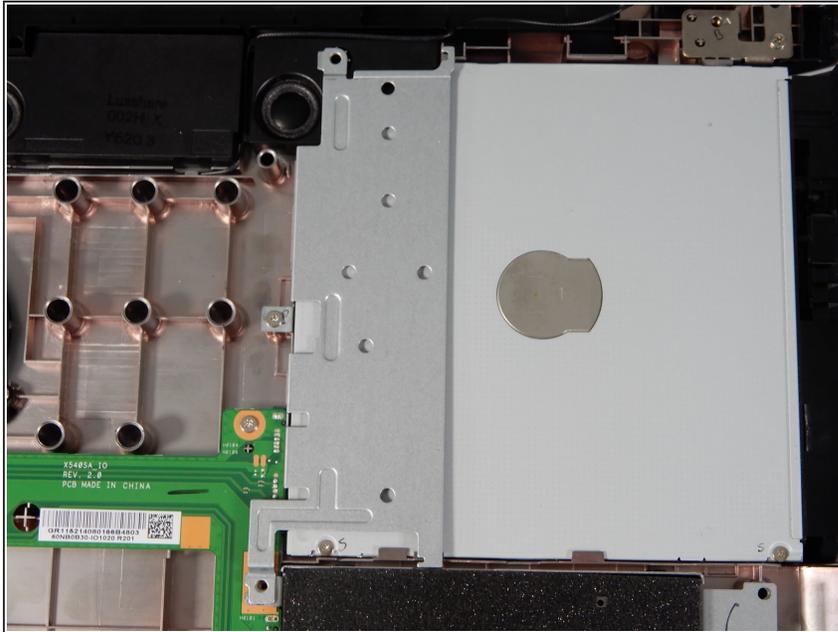
- Observe where the ribbons connect to the motherboard, there are two connections. Each connection has a black clamp. To remove the ribbon, lift the black clamp up to disconnect it.

## Step 7 — Battery



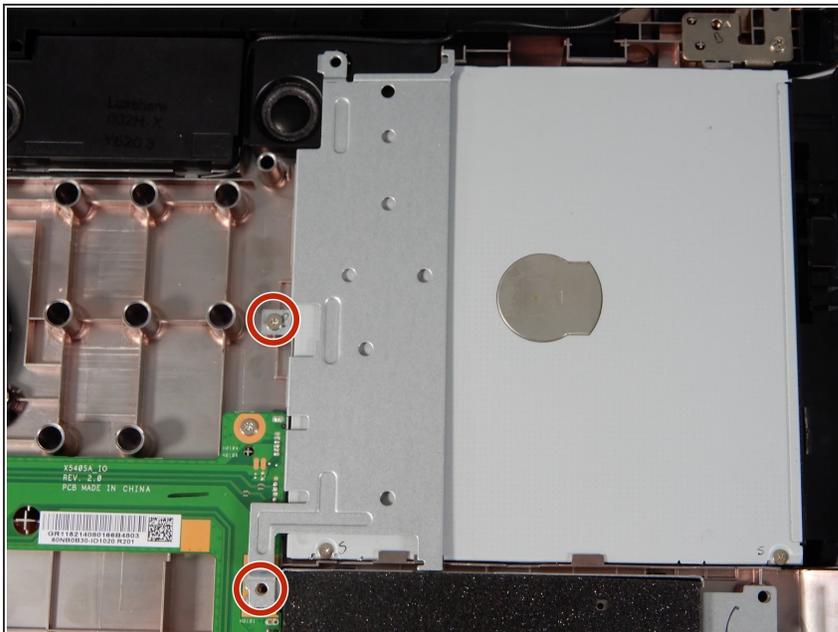
- Very carefully, remove the batteries with the blue plastic iFixit opening tool. Focus removing the battery near the highlighted area.
- ⓘ The batteries should all be connected to one another and come out of the device as a single unit.
- ⚠ Be careful not to rip any of the black plastic covering the batteries. Exposed battery parts can lead to explosions. If the case is ripped, re-wrap them, or properly dispose of them. Do not reuse them.

## Step 8 — Disk Drive



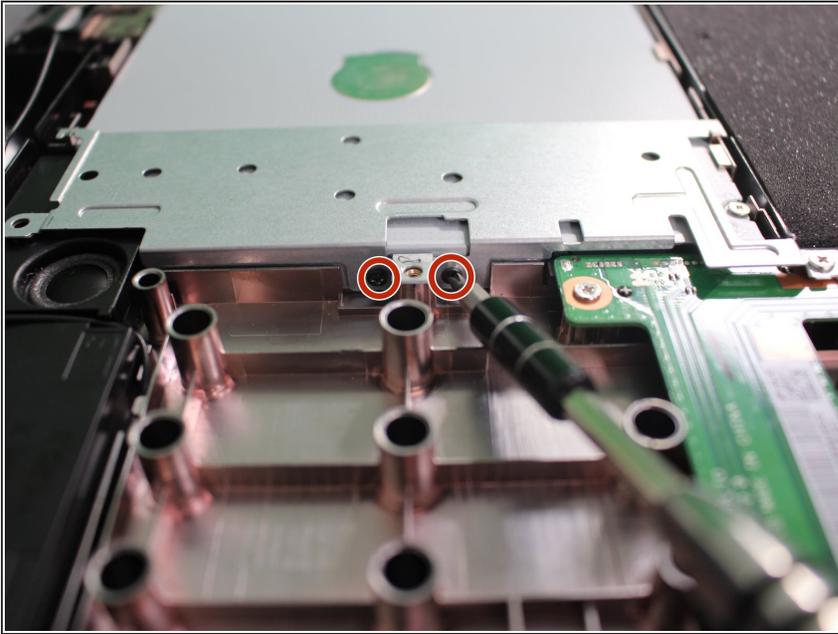
- The Disk Drive is located within the upper right hand corner of the laptop.

## Step 9



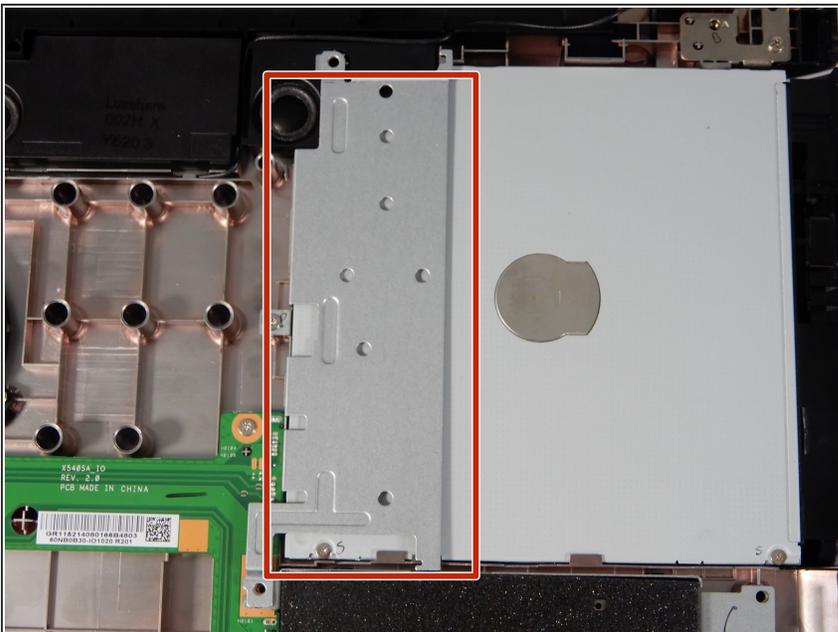
- Using a Phillips #0 screwdriver, remove the two screws (5.6 mm) around the disc drive.
- ☑ Note which screws go where. The two smaller screws fasten onto the disc drive, while the three larger screws secure the drive on the outside.

## Step 10



- Use the Phillips #00 screwdriver to remove the two screws (2.7 mm) on the side of the disc drive fastener.

## Step 11



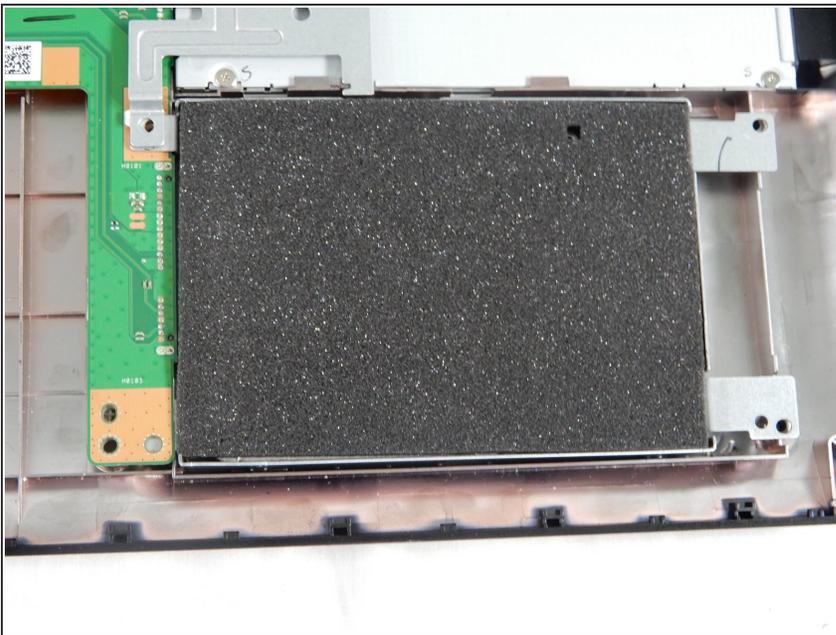
- After removing the seven screws, lift the metal fastener from the disc drive with the plastic opening tool.

## Step 12



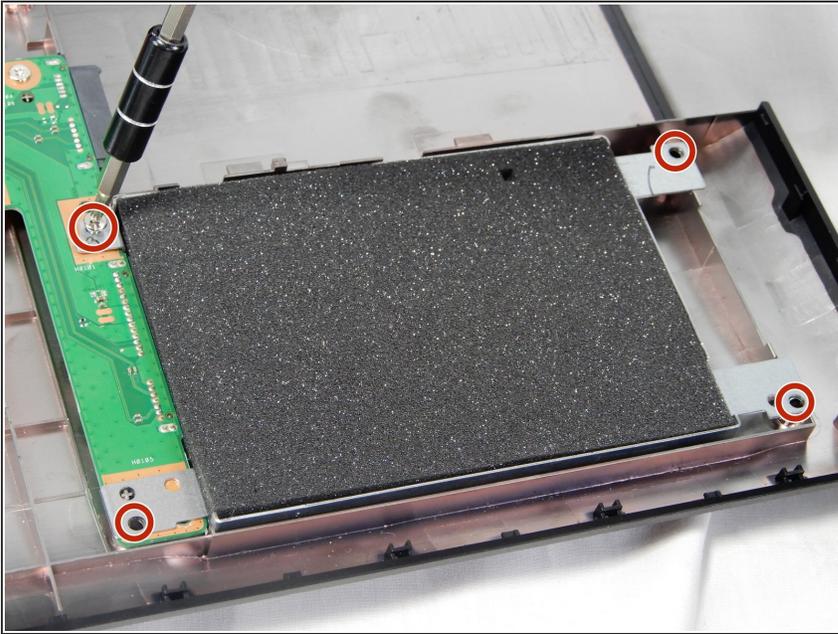
- Slide the disc drive to the right, removing it from the laptop case.

## Step 13 — Hard Drive



- The Hard Drive is located in the bottom right hand corner. It should be the device covered in black foam.
- ⓘ Do not remove the foam. It's anti-static foam and protects the hard drive from static and any bumps as you move around your device.

## Step 14



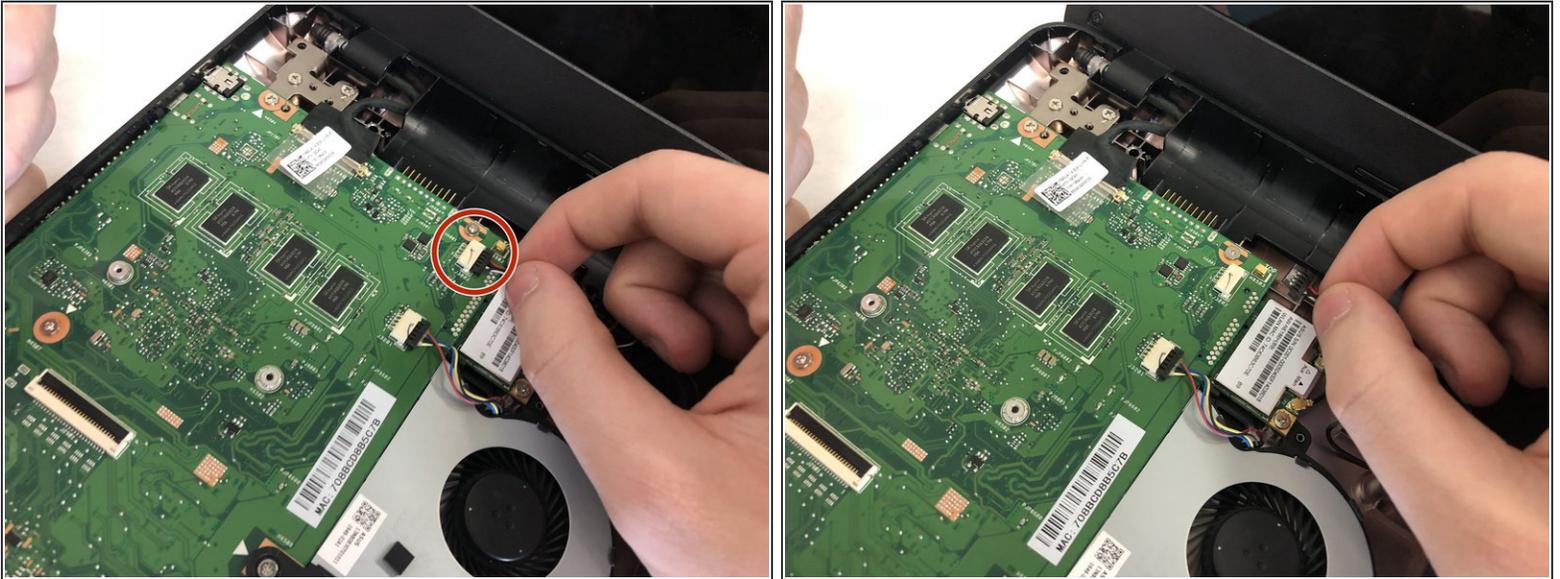
- Using the Phillips #0 screwdriver, unscrew the four (5.7cm) screws around the hard drive.

## Step 15



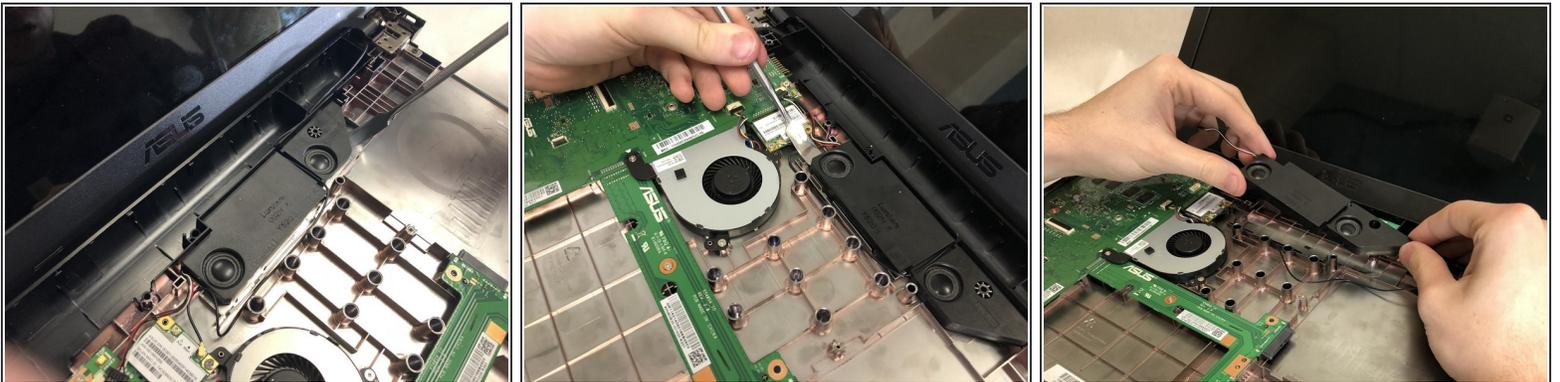
- Using the blue plastic opening tool in the iFixit tool kit, slide the hard drive to the right to remove it from the case.
- ⓘ Some models don't come with a foam insert. This will cause a bit of a rattle if you're replacing the old hard drive with an SSD drive.

## Step 16 — Speaker



- Disconnect speaker wire from motherboard.

## Step 17



- Gently use the metal spudger to loosen speaker from adhesive, by first loosening the far right side and working your way to the left.
- ⓘ When removing the speaker, you may hear a cracking sound. This is okay; it is just the speaker separating from the adhesive.

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