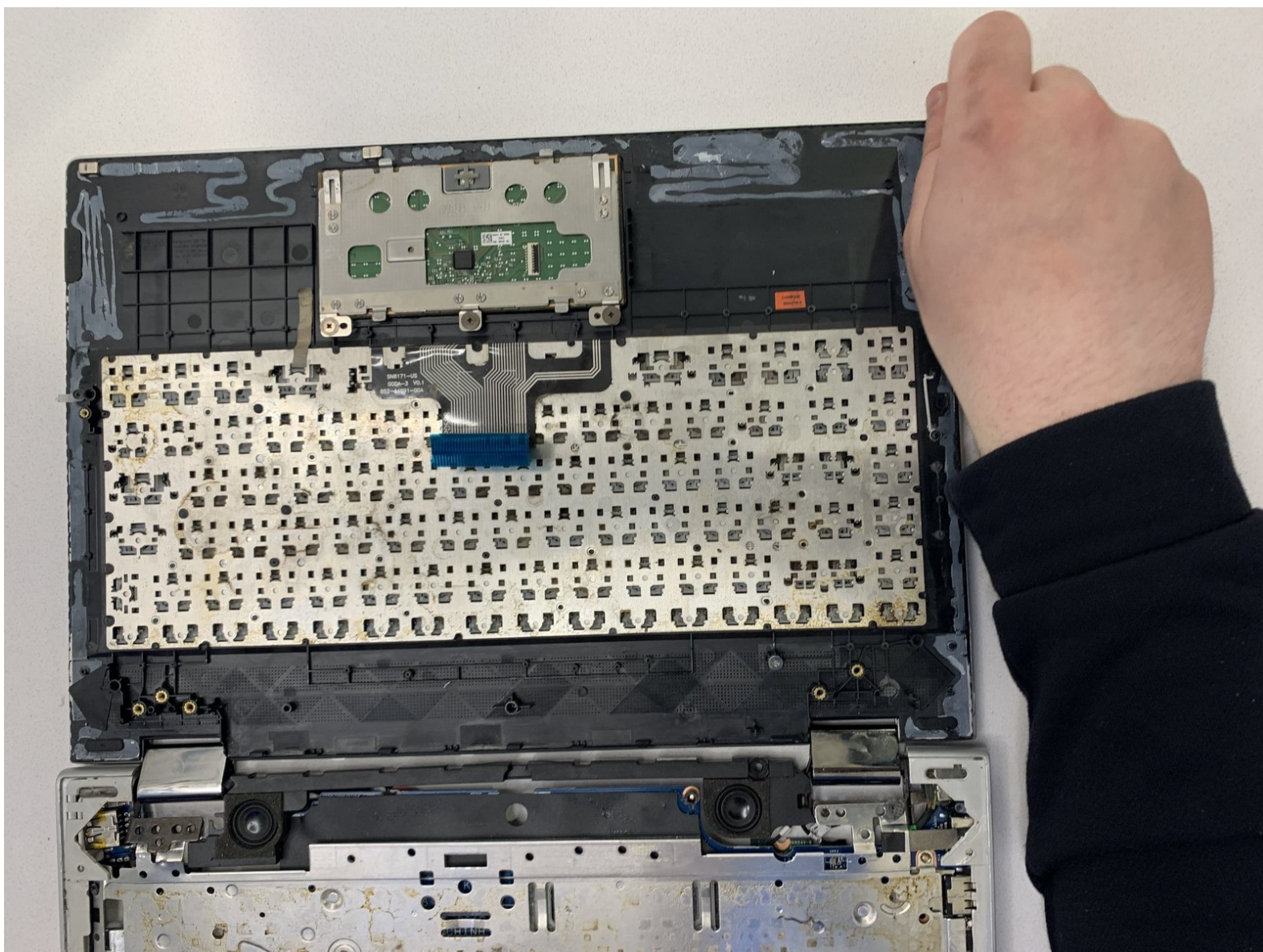




HP Pavilion x360 14m-cd0005dx Speaker Replacement

Use this guide to aid the removal and replacement of the HP Pavilion x360 14m-cd0005dx speaker.

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INTRODUCTION

Use this guide to aid in the removal and replacement of the speaker to any HP Pavilion x360 14m-cd0005dx laptop. Replace the speaker if sound no longer plays from the device's speakers. It may also need to be replaced if sounds played are heavily distorted. For more information as to whether the keyboard should be replaced, look at this [troubleshooting guide](#).

The speaker is an essential part of any laptop. When replacing the speaker, it is possible other software may need to be re-downloaded or reinstalled. If the speaker needs to be replaced but isn't, there will be little to no performance loss on the computer systems. It may be more cost and time-efficient to purchase an external audio device, like a pair of headphones or a set of external speakers. However, do note, they can impact the ease of mobility of this device.

TOOLS:

- [Phillips #0 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
 - [Metal Spudger](#) (1)
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Step 1 — Back Cover



- Turn off and shut down the computer.
 - Disconnect the power adapter and all external devices connected to the computer.
- ⚠ Do not work with the device powered on. It may result in bodily harm through electric shock.

Step 2



- Flip the device with the backplate up and with the hinge on the far side.

Step 3



- Use the opening tool to remove the rubber feet attached to the bottom of the device.

Step 4



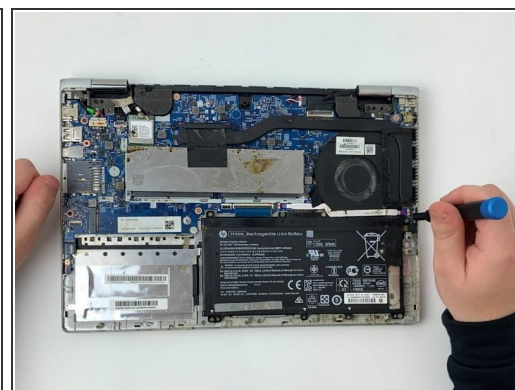
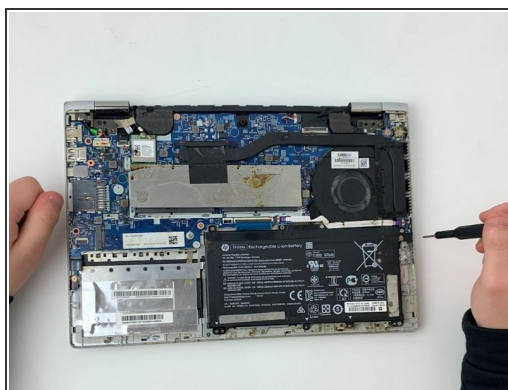
- Remove all screws located on the bottom of the device:
 - Two Phillips #0 7.0mm screws
 - Three Phillips #00 4.5mm screws
- ☑ Make sure to keep track of all screws removed from the device.

Step 5



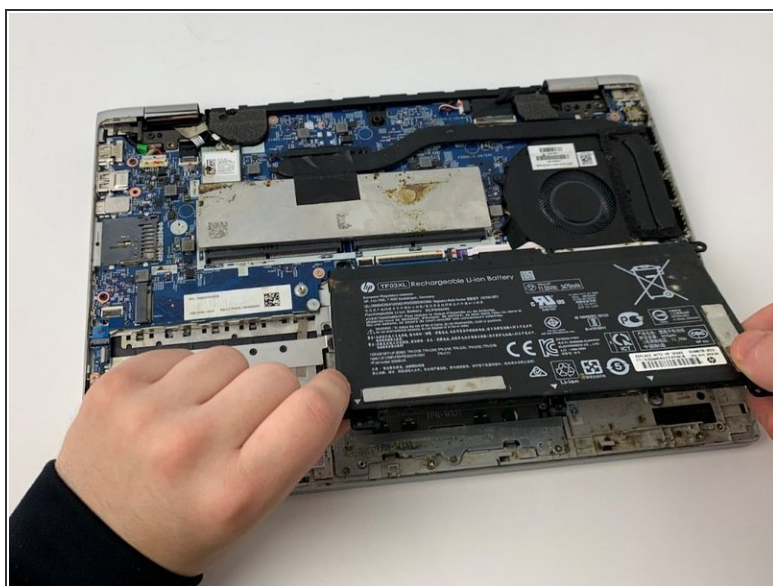
- Using the opening tool, carefully remove the bottom cover from the device.

Step 6 — Battery



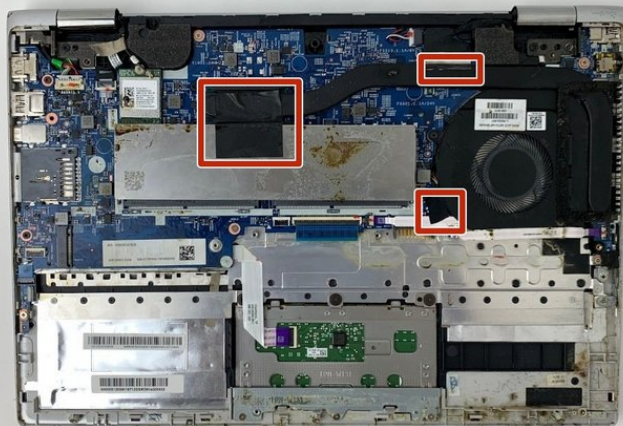
- Use a #00 Phillips screwdriver to remove:
 - Six 2.5 mm screws

Step 7



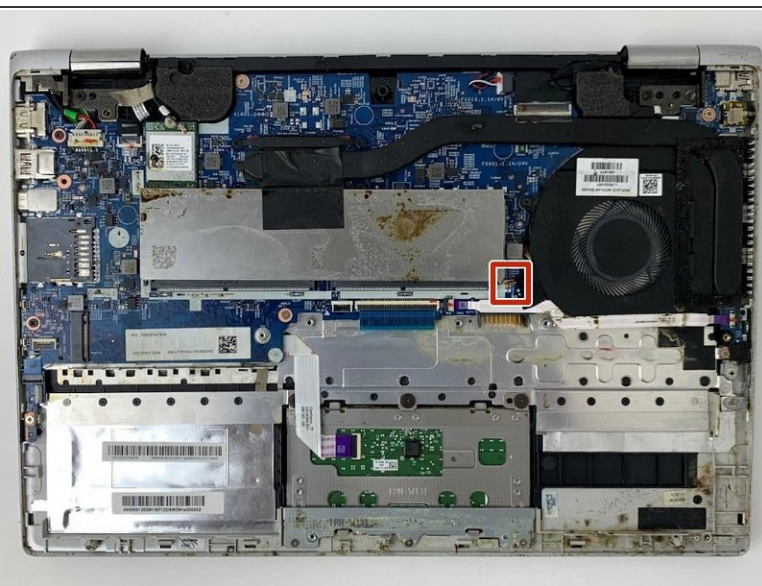
- Carefully lift from the base and remove the battery.

Step 8 — Heat Sink and Fan



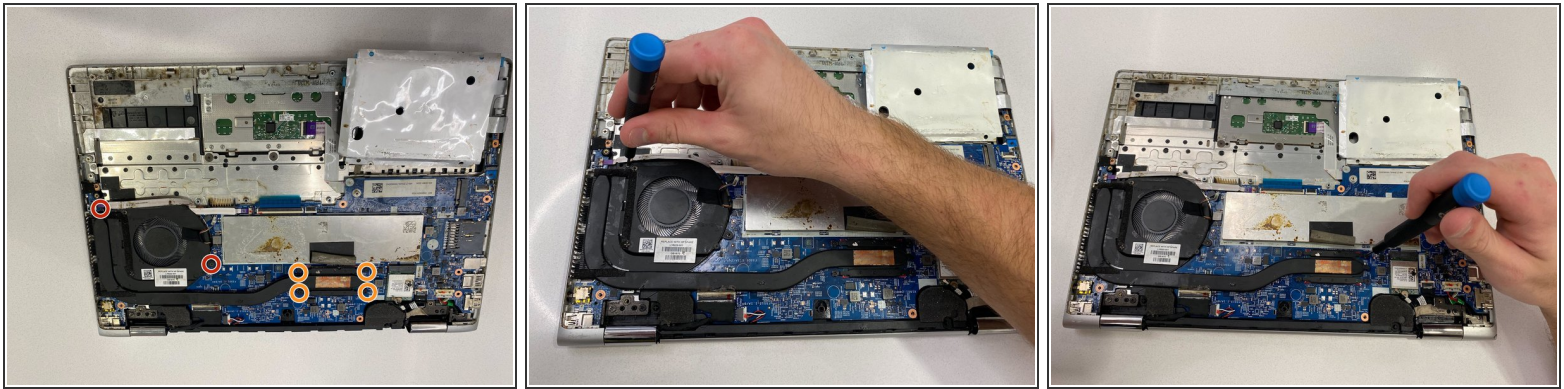
- Remove the tape that secures the fan to the computer.

Step 9



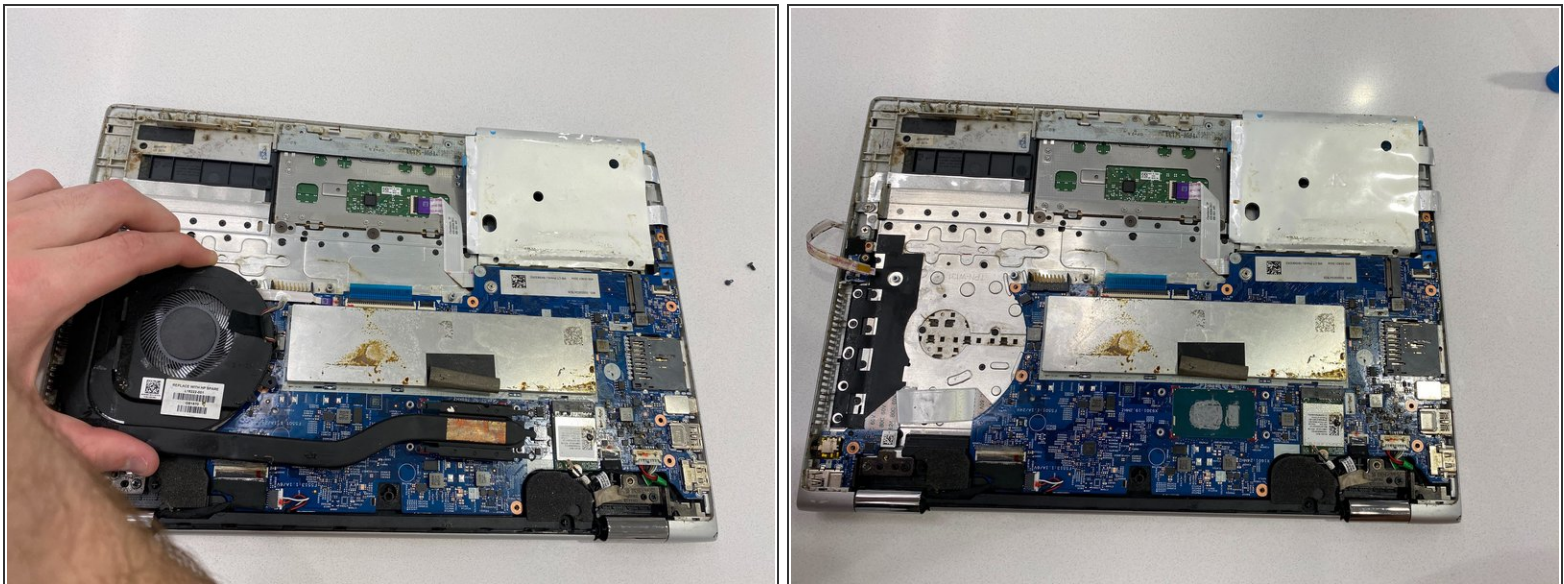
- Find the fan cable
- Use the Reverse Tweezers to unplug the fan cable

Step 10



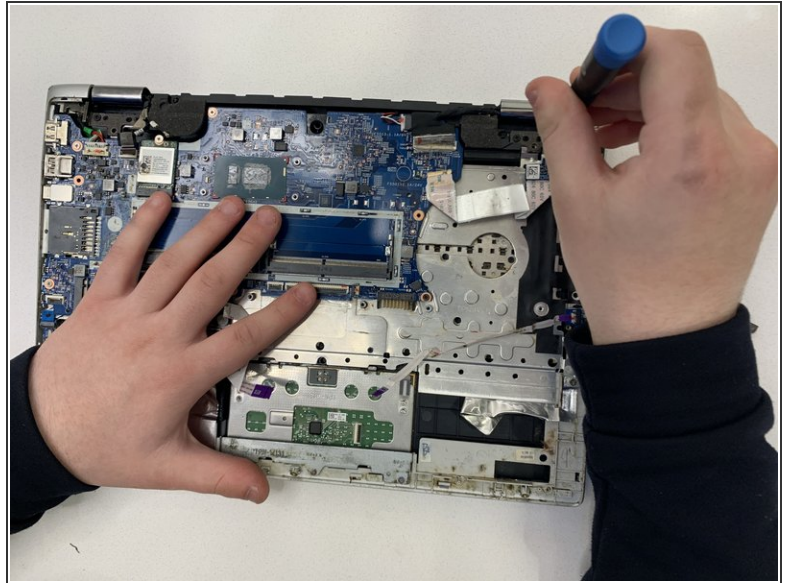
- Remove all screws securing the fan to the device:
 - Two Phillips #00 4.5mm screws
 - Four Phillips #00 4.5mm screws

Step 11



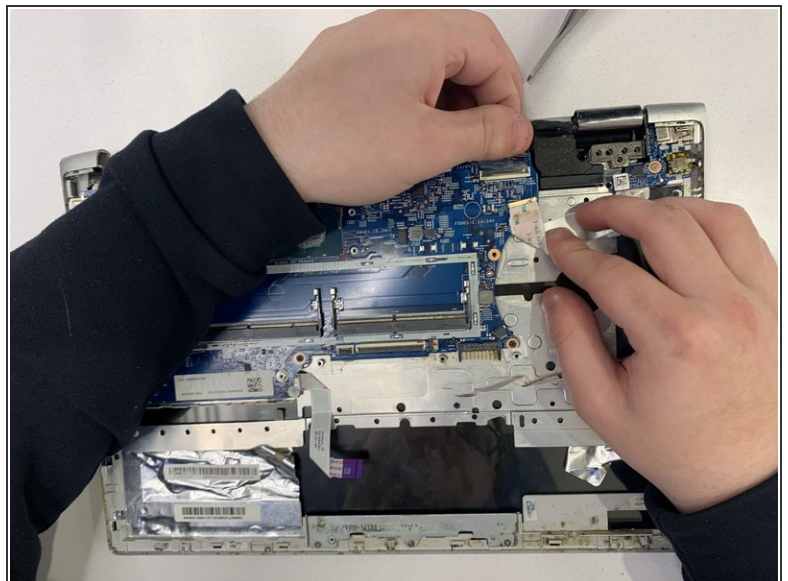
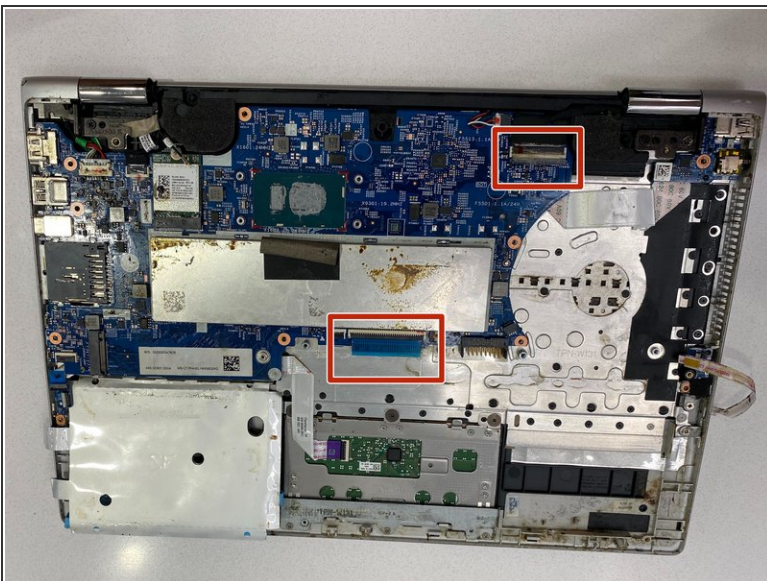
- Lift and remove the fan and heat sink from the device.
- ⓘ When removing the fan, there will be an adhesive strip attached to the bottom. There may be some resistance as the device is being removed. Use a spudger to hold the adhesive down during removal.

Step 12 — Keyboard



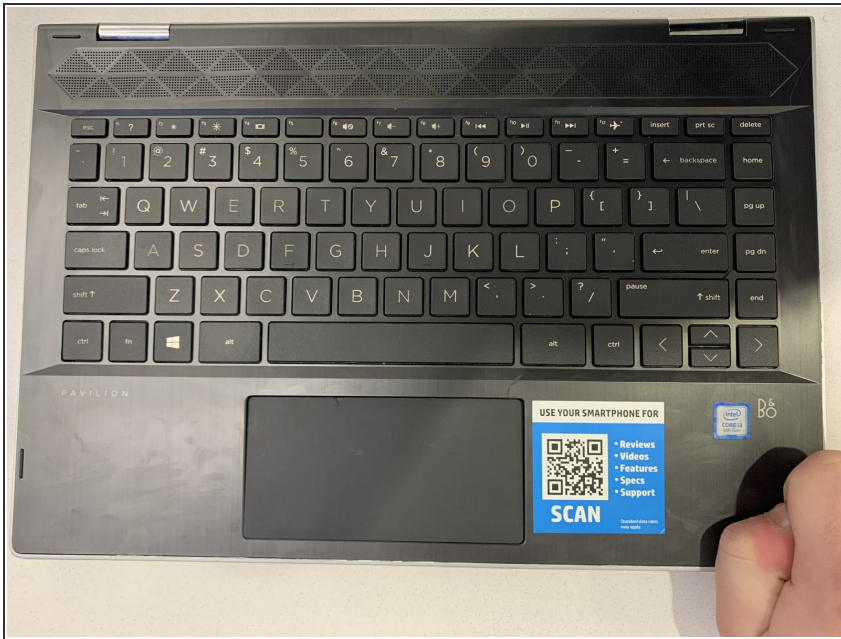
- Remove all screws securing the hinges to the device:
 - Four Phillips #0 4.5mm screws
- ⓘ After removing the hinge screws, it can be harder to turn the laptop. Be sure to not force it, but pressing on the hinge itself to make it move may help when manipulating the screen.

Step 13



- Grab the ribbon wires by the edge of the socket and pull to remove them from the motherboard.

Step 14



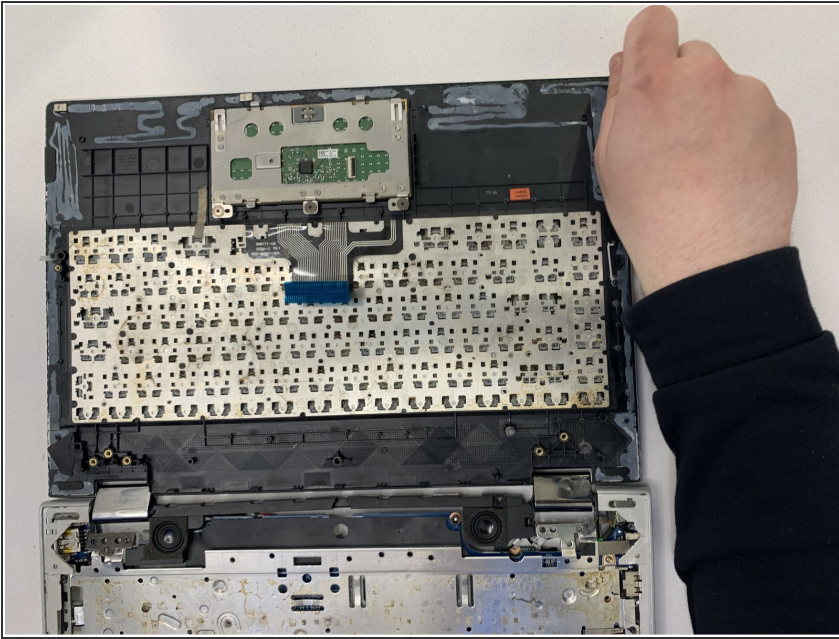
- Rotate the screen backwards until only the keyboard is visible.

Step 15



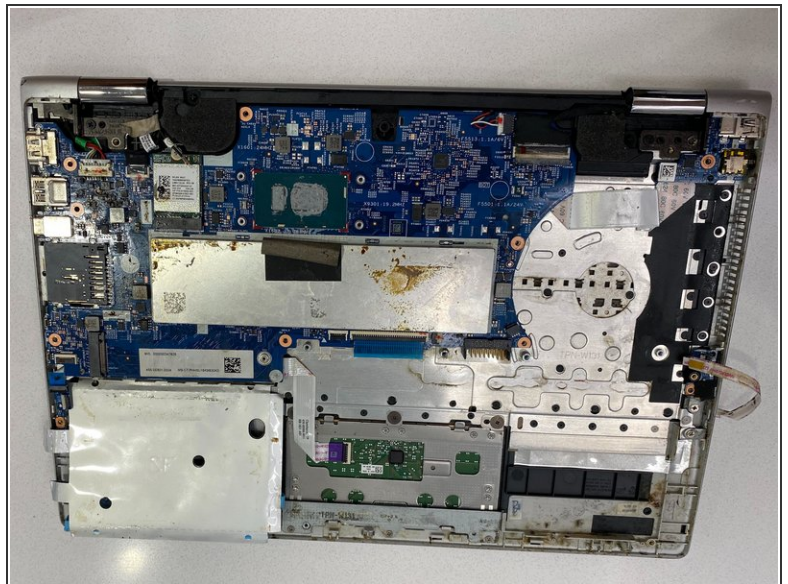
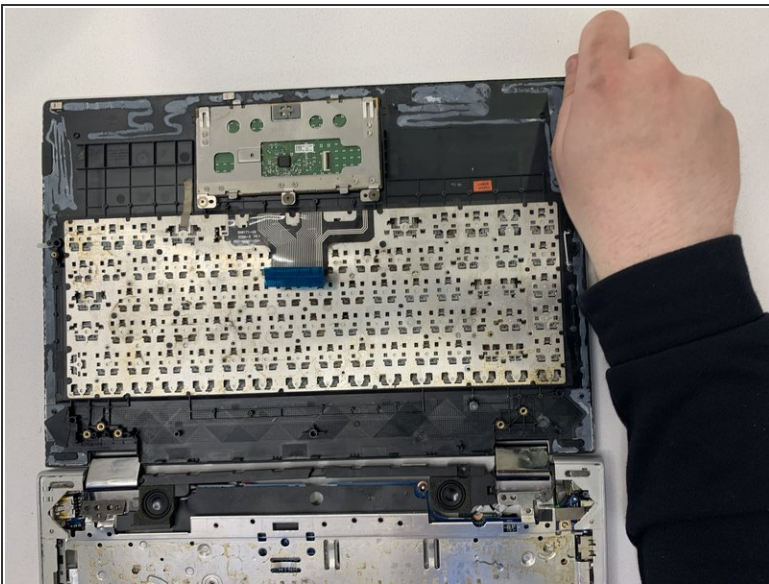
- Run an Opening Tool along the edge of the device.
- Pull the plastic keyboard up and away from the base of the laptop.
- ⓘ There is adhesive attaching the keyboard to the base of the laptop. Continue to pull the keyboard up and out; ignore the resistance.
- Pull up on the metal casing of the keyboard below the keyboard's surface once a hand can adequately fit under the gap.

Step 16



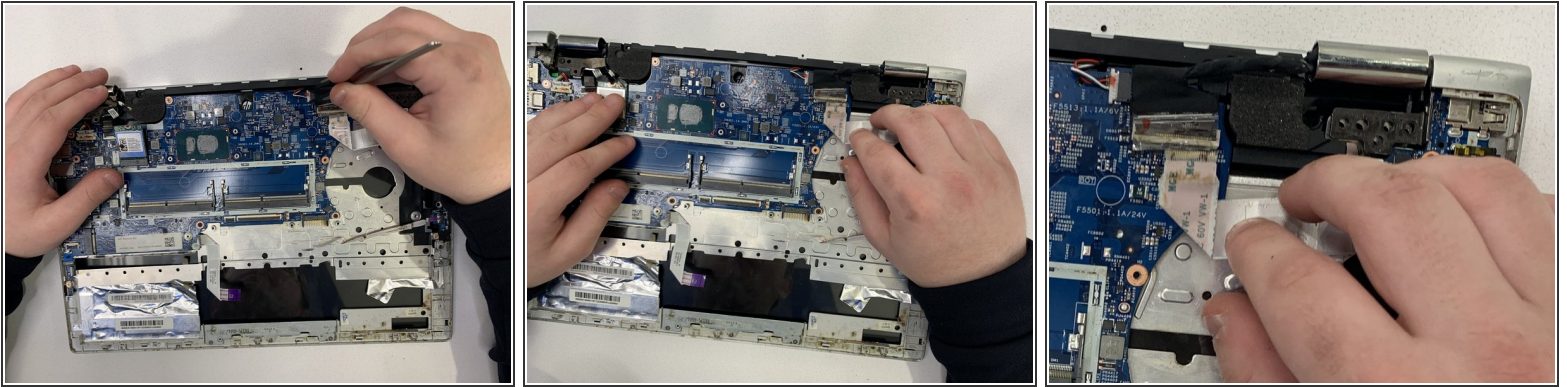
- Gently raise the keyboard up and keep pulling to remove it from the base housing.
- ⓘ Do not pull just the top casing off. It is brittle and it may break. Ensure that the opening tool is beneath the keyboard in its entirety.

Step 17 — Speaker



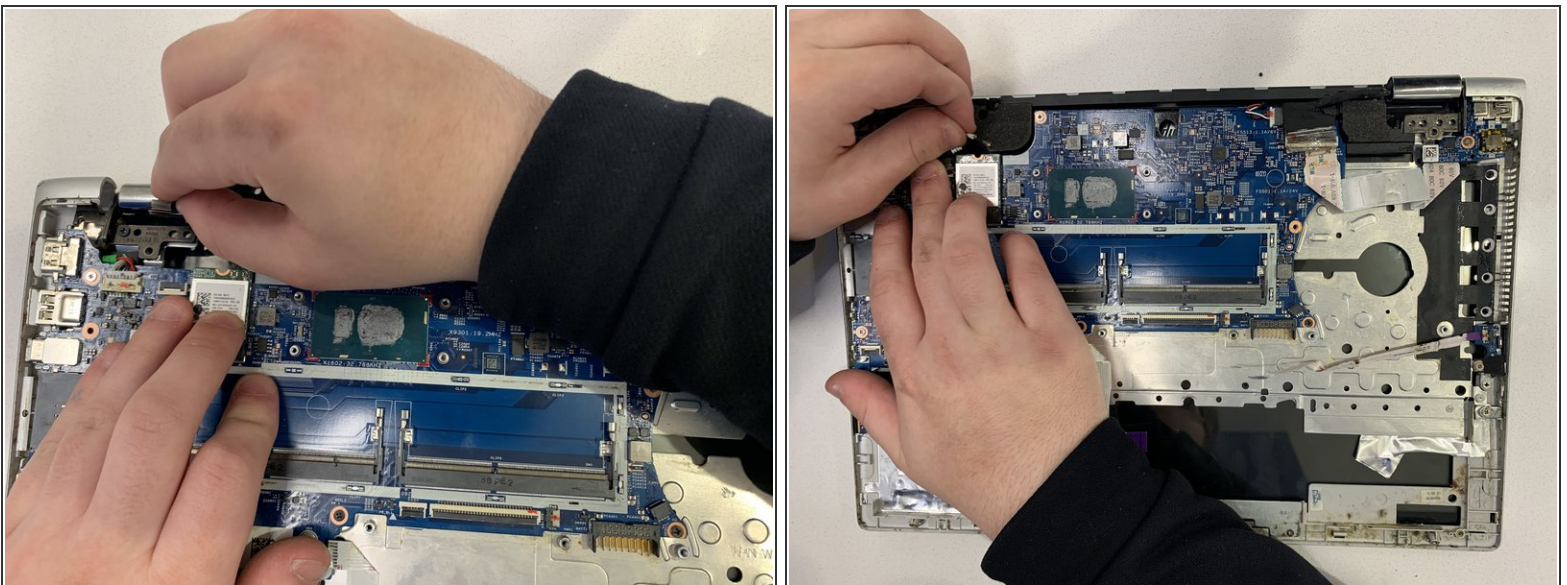
- Flip the device over so the hinge is at the top and the motherboard, and other components are visible.

Step 18



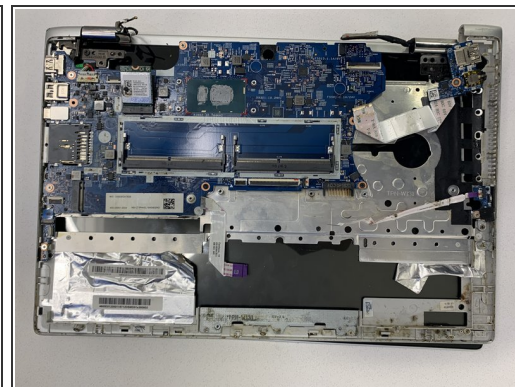
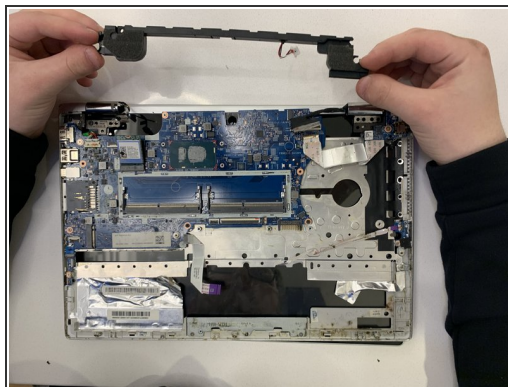
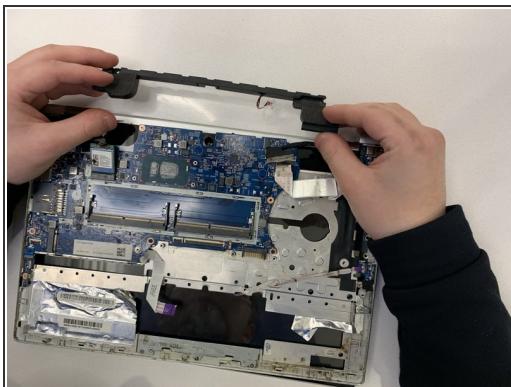
- Use the Reverse Tweezers to remove the ribbon wires connecting the speaker to the motherboard.

Step 19



- Grab the ribbon wires by the edge of the socket and pull to remove the wire connecting the speaker to the motherboard.
- Grand and pull to remove the wire connecting the speaker to the wireless card housing.

Step 20



- Grab the speaker and pull out to remove the speakers from the hinge housing.
- ⓘ The disconnected wires may be slightly tangled within the housing. Grab and pull gently to remove from the enclosure.

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