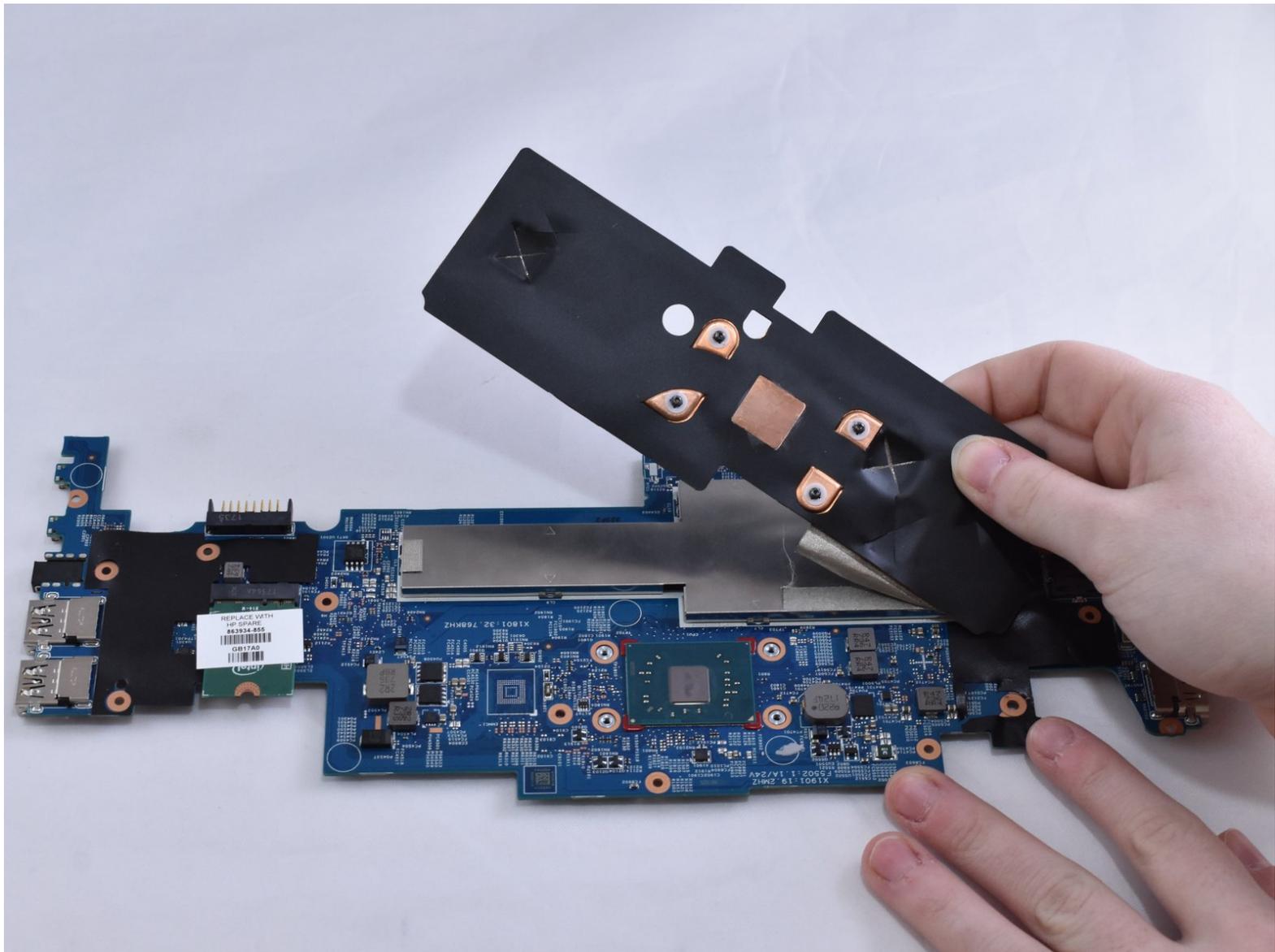




HP Pavilion x360 11m-ad013dx Heat Sink Replacement

This guide successfully demonstrates how to replace the heat sink in the HP Pavilion x360 11m-ad013dx.

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INTRODUCTION

If the heat sink in your HP Pavilion x360 11m-ad013dx has stopped working or is in need of replacement, use this guide to replace it. For more information on a malfunctioning heat sink, see our troubleshooting page [HP Pavilion x360 11m-ad013dx Troubleshooting](#). The heat sink performs the same actions as a cooling fan in a PC, but is sleeker and lighter in weight to improve the laptop's design.

TOOLS:

- [Phillips #0 Screwdriver](#) (1)
 - [Phillips #1 Screwdriver](#) (1)
 - [Spudger](#) (1)
-

Step 1 — Keyboard



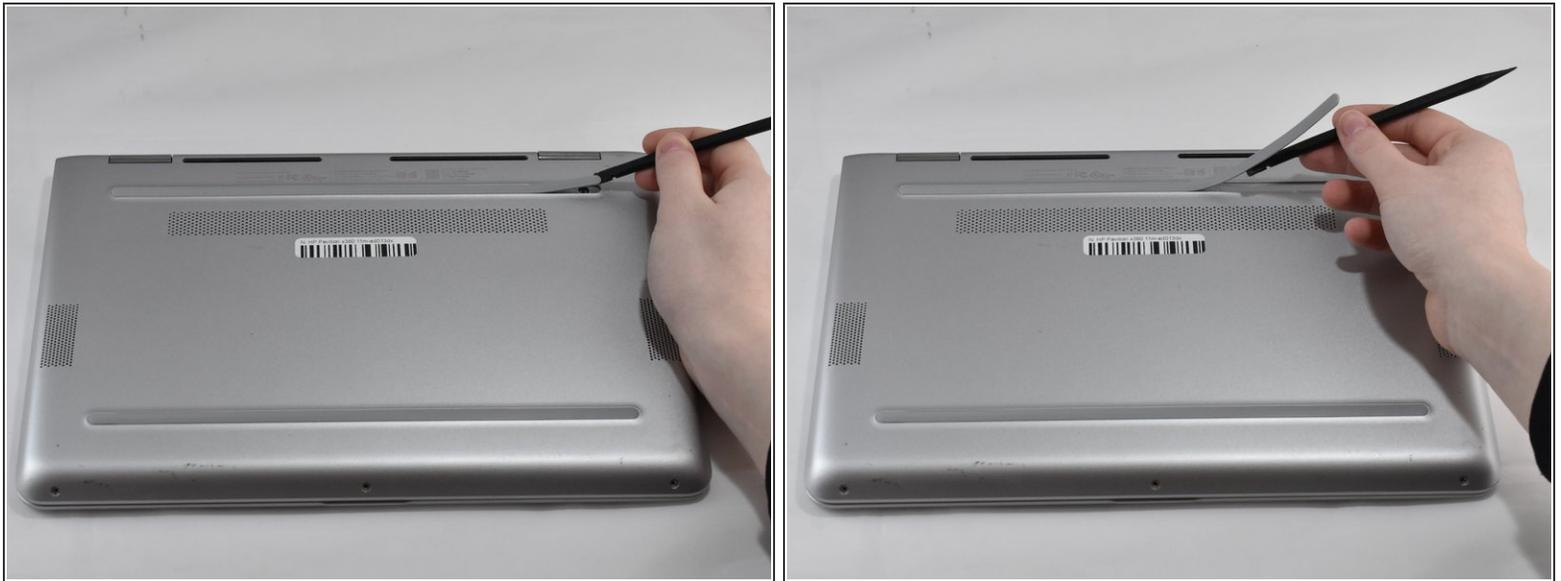
- Lay the HP Pavilion top-down with the front edge facing towards you.

Step 2



- Remove the three 4.8mm Phillips #0 screws from the front side.

Step 3



- Using a plastic spudger, remove the grey silicon strip closest to the back-side.

Step 4



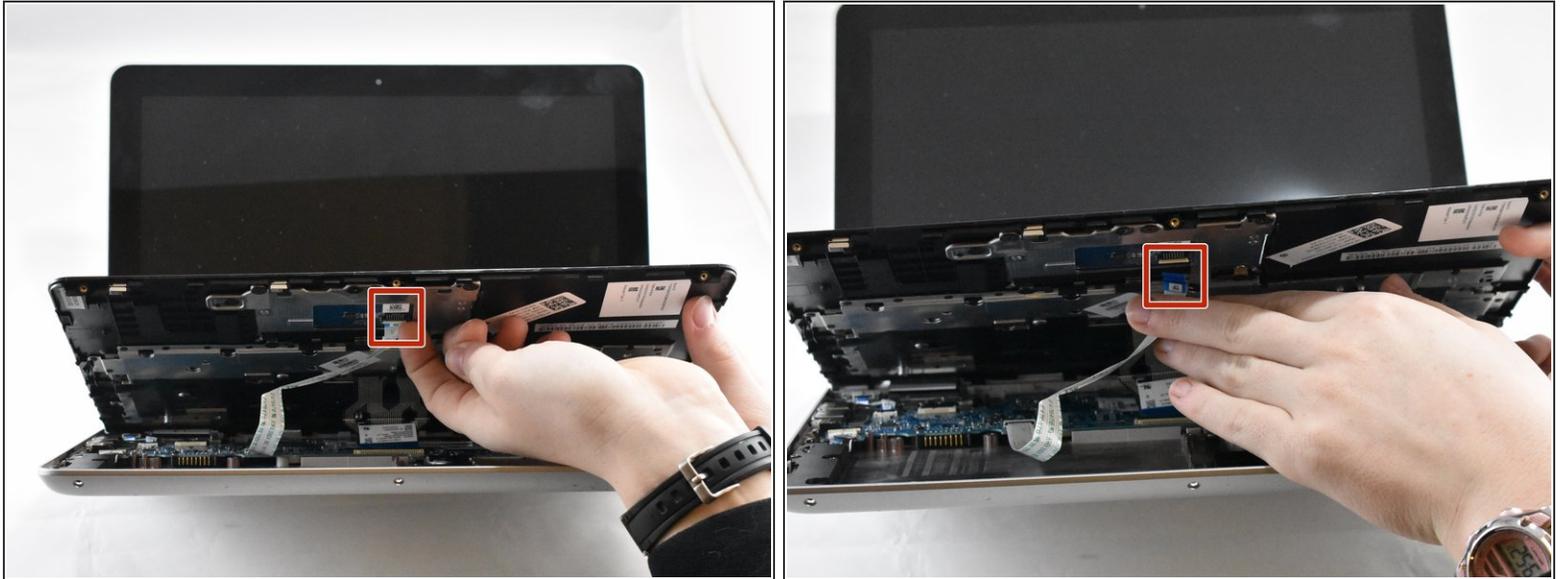
- Remove the three 5.7mm Phillips #1 screws.

Step 5



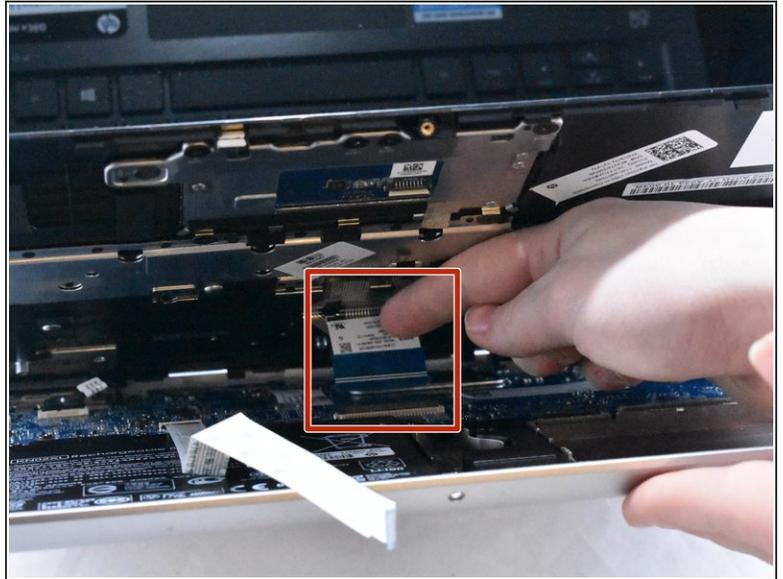
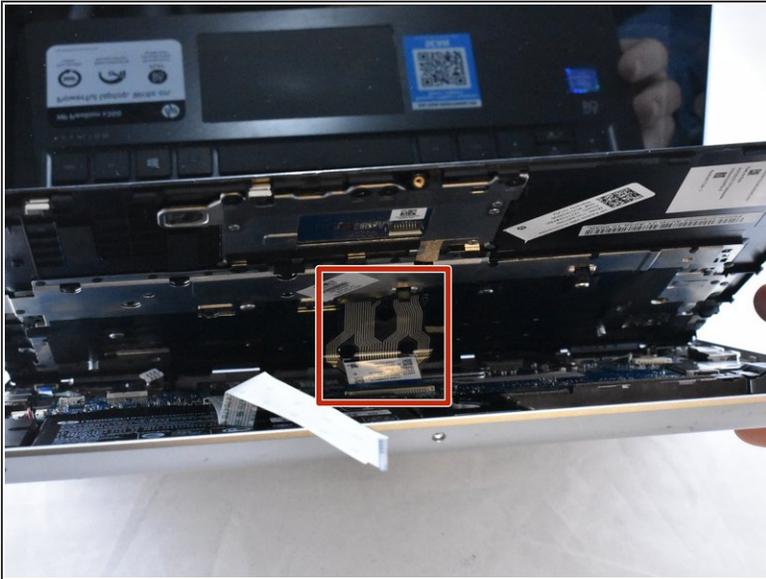
- Open the HP Pavilion so that the screen is showing. Then tilt it down so that the screen is on its back, facing up.
- Using a spudger, pry off the black keyboard panel.
- ⓘ This step requires force to unclasp the latches keeping the keyboard in place.

Step 6



- Using your fingernail, disconnect the zero insertion force (ZIF) keyboard connector cable by flipping up the small locking flap.
- ⓘ You may disconnect the other end of the cable, for ease of access to other parts. Keep in mind that the end labeled MB connects to the motherboard.

Step 7



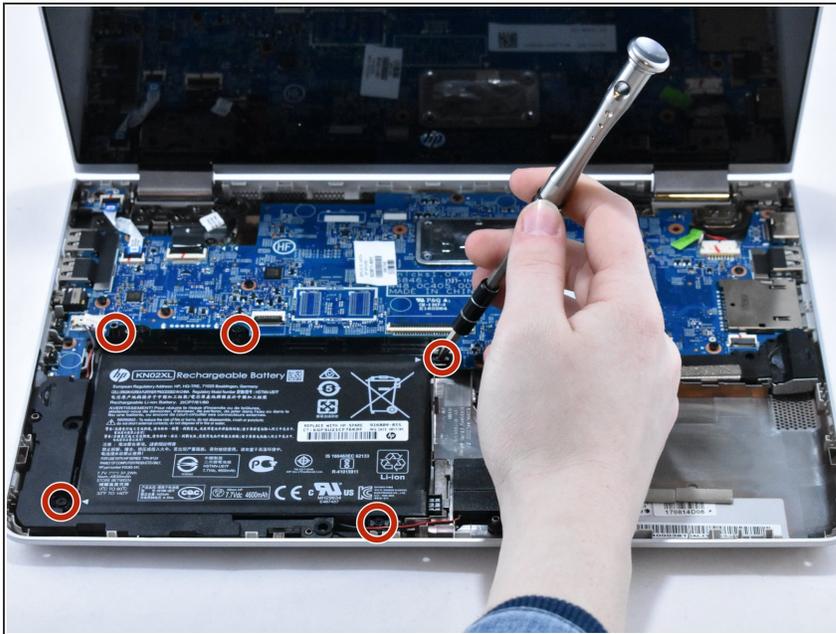
- Using your fingernail, disconnect the zero insertion force (ZIF) connector for the touch pad cable by flipping up the small locking flap.

Step 8



- Remove the keyboard.

Step 9 — Battery



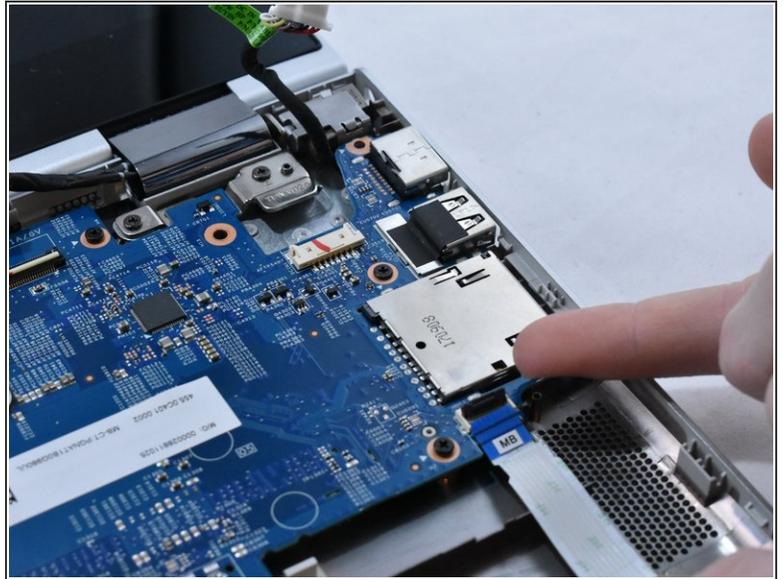
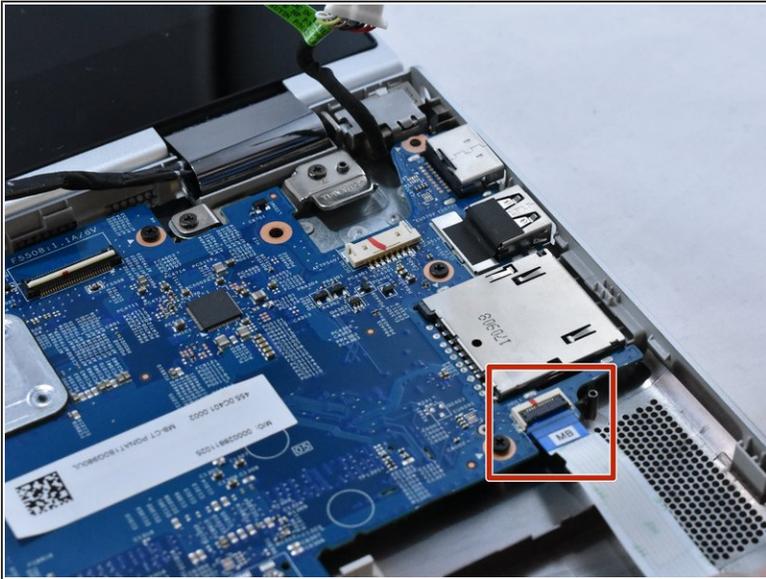
- Remove the five 4.6mm Phillips #1 screws located around the battery.

Step 10



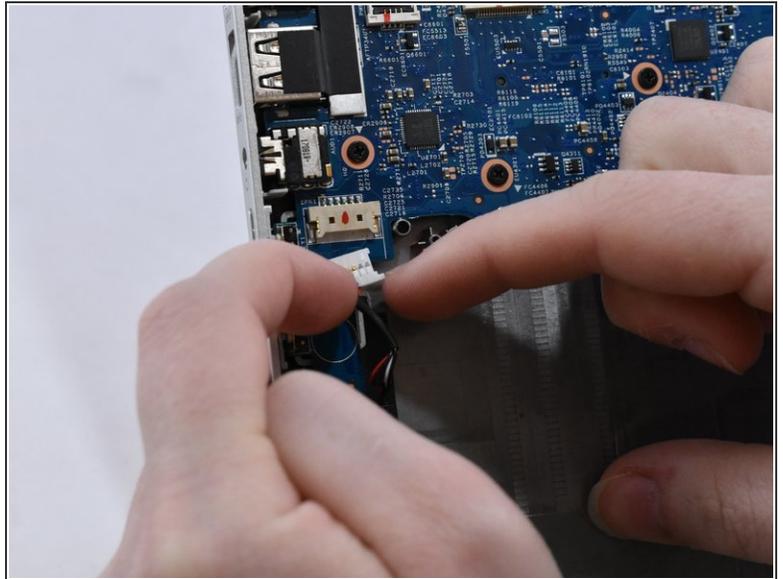
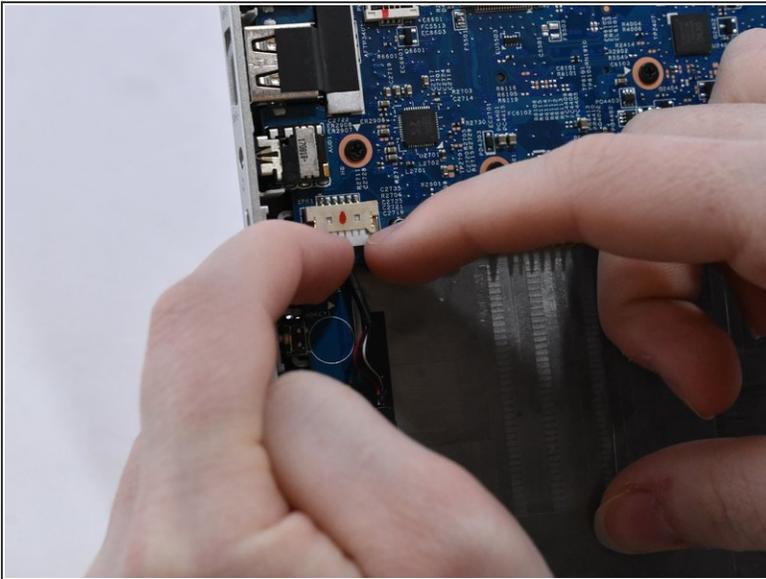
- Using a spudger for assistance, lift up the right edge of the battery.
- Remove the battery.

Step 11 — Speaker



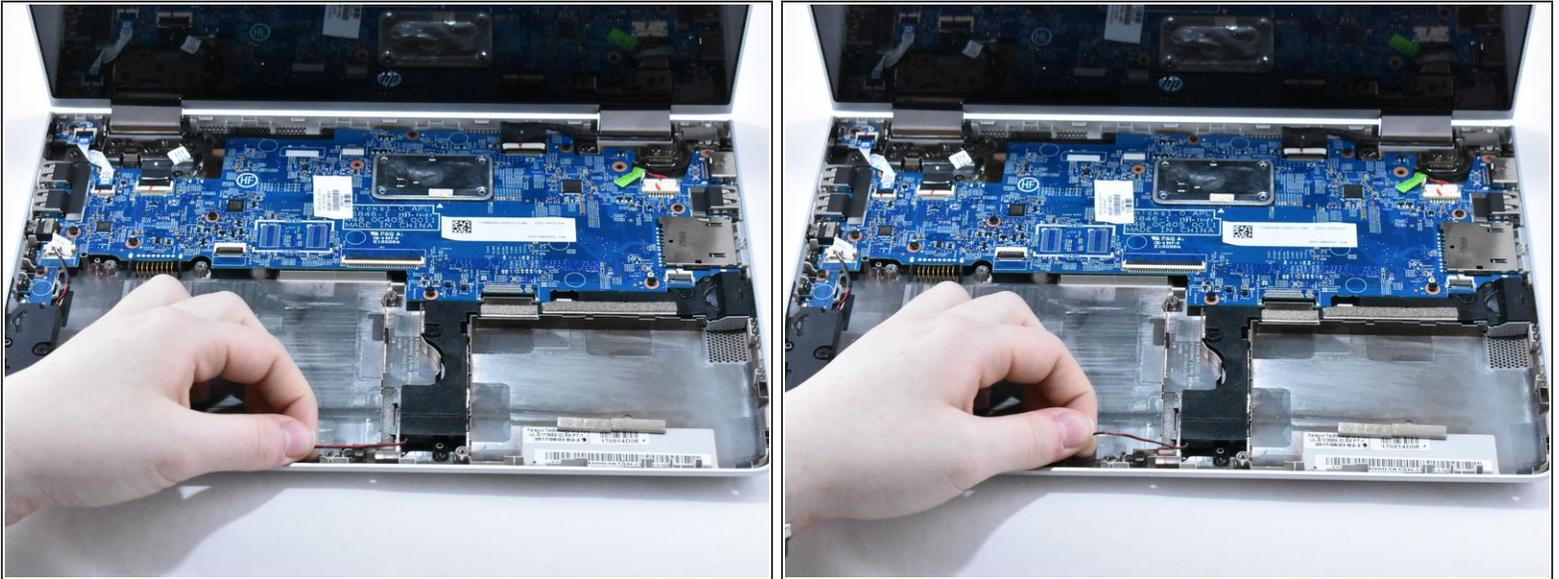
- Using your fingernail, disconnect the ZIF (zero insertion force) hard drive cable by flipping up the small locking flap.

Step 12



- With your fingernails, disconnect the speaker cable from the motherboard by pulling back on the connector.
- ⓘ Do not directly pull on the wires, as this can damage the connector.

Step 13



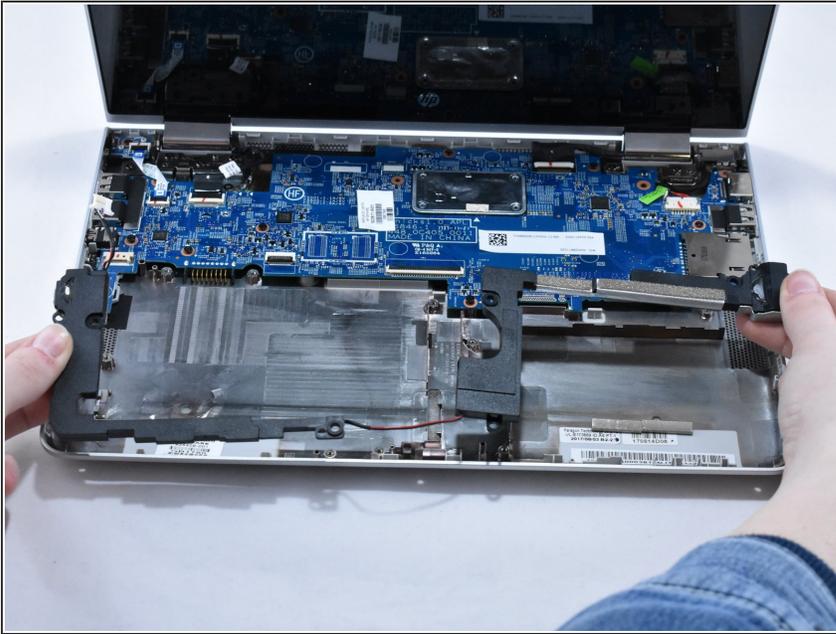
- Lift the speaker cable from its retention chamber.

Step 14



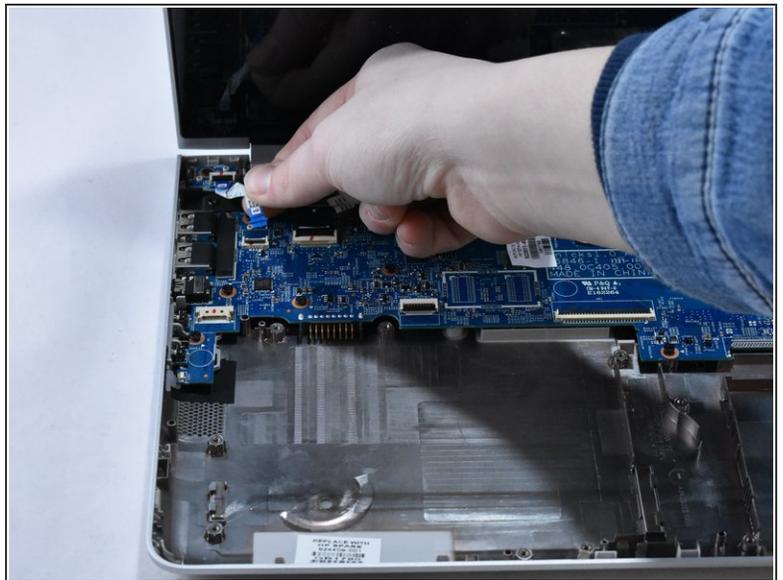
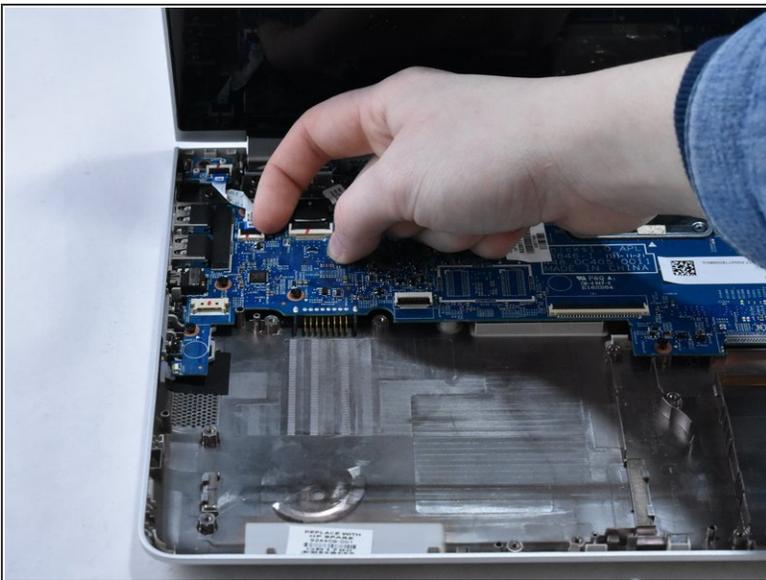
- Remove the four 6.2mm Phillips #1 screws around the speakers.

Step 15



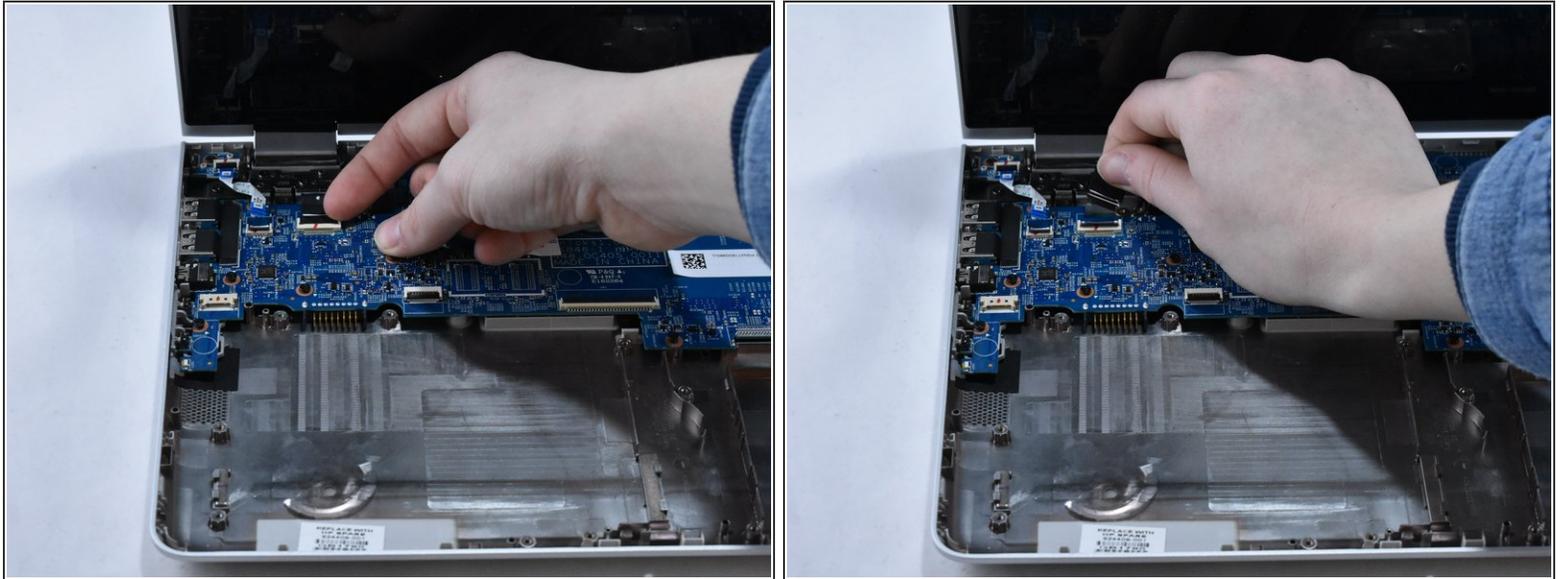
- Remove the speakers.

Step 16 — Motherboard



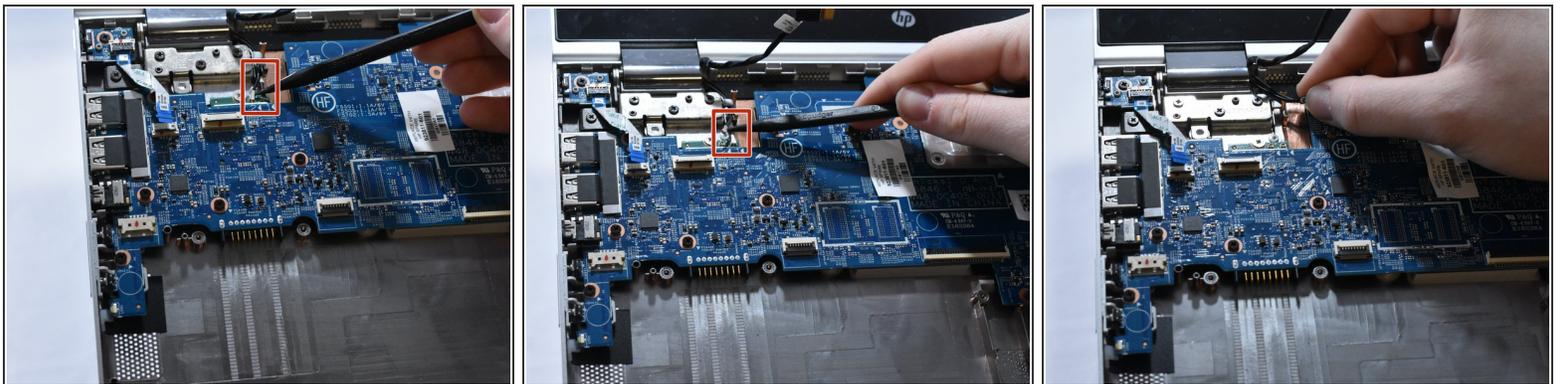
- Using your fingernail, disconnect the ZIF (zero insertion force) power button connector cable from the motherboard.

Step 17



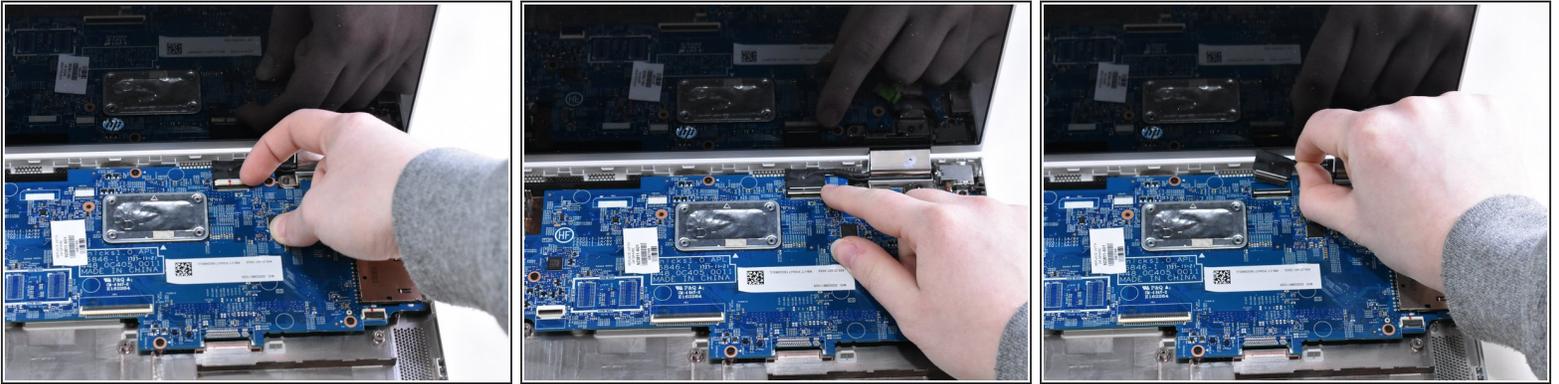
- Using your fingernail, disconnect the ZIF display panel connector cable from the motherboard.

Step 18



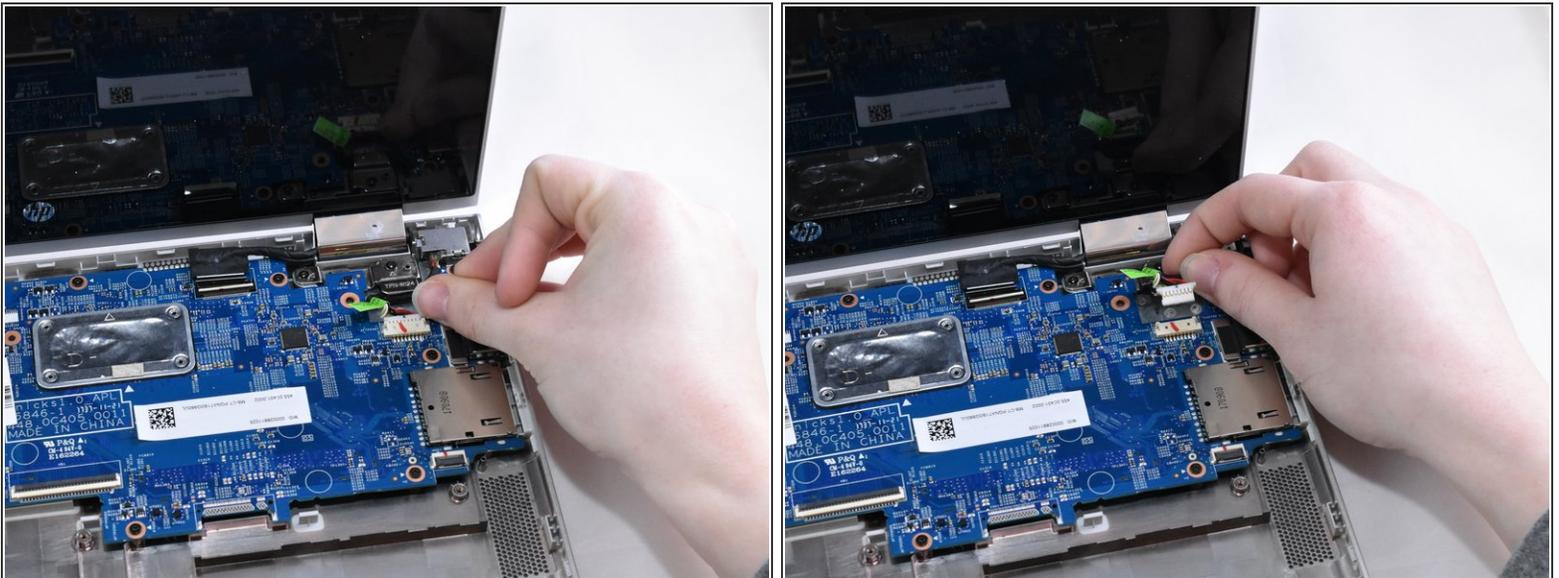
- Disconnect the two WLAN antenna cables by sliding under the cable with a spudger, then lifting straight up.
- ⓘ The black labeled cable inserts into the "A" connection. The white labeled cable inserts into the "B" connection.

Step 19



- Using your fingernail, disconnect the ZIF display touch screen connector cable from the motherboard.

Step 20



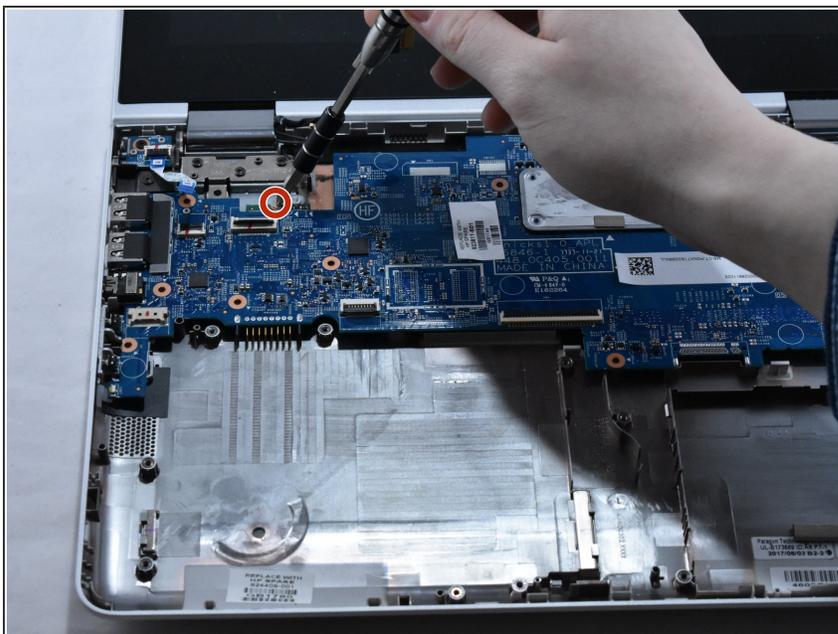
- Using your fingernails, disconnect the power connector cable by pulling straight out.
- ⓘ Do not directly pull the wires, as this can damage the connector. Instead, pull on the white, plastic part of the connector.

Step 21



- Remove the eleven 4.6 mm Phillips #1 screws from around the motherboard.

Step 22



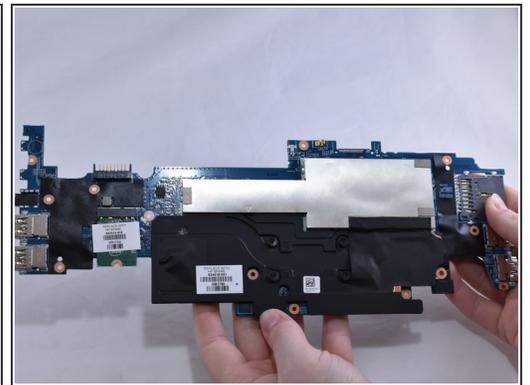
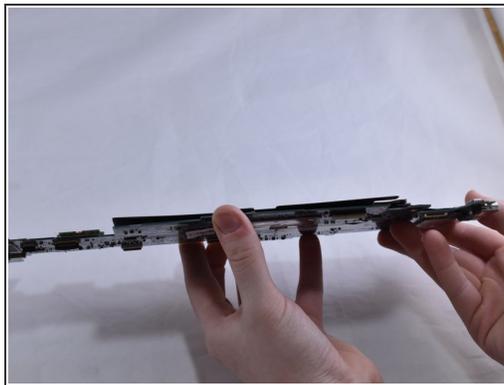
- Remove the one 2.2 mm Phillips #1 broad head screw in the WLAN module.

Step 23



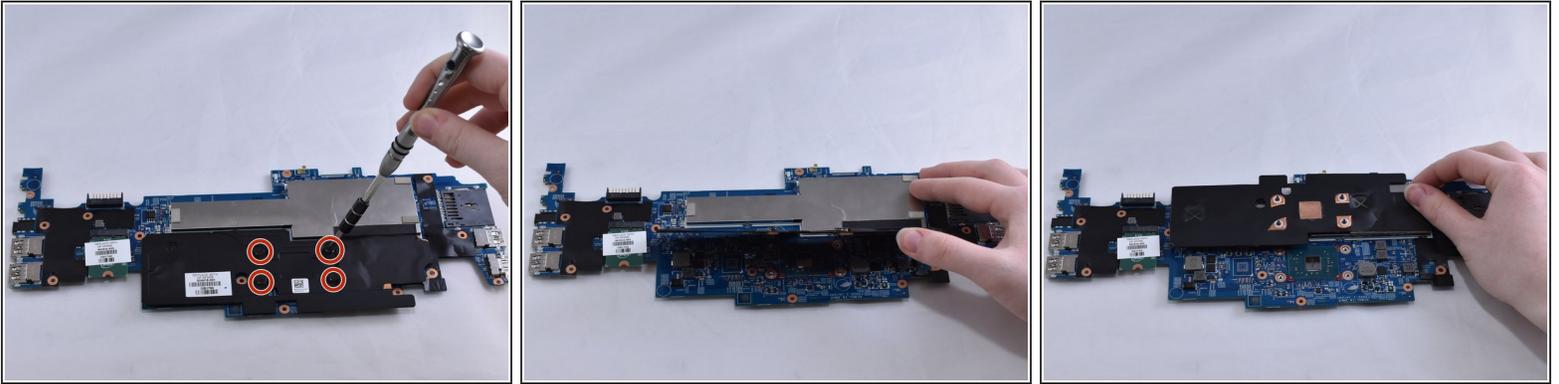
- Lift the motherboard up on the right side. Then, gently pull the motherboard straight out to the right.

Step 24 — Heat Sink



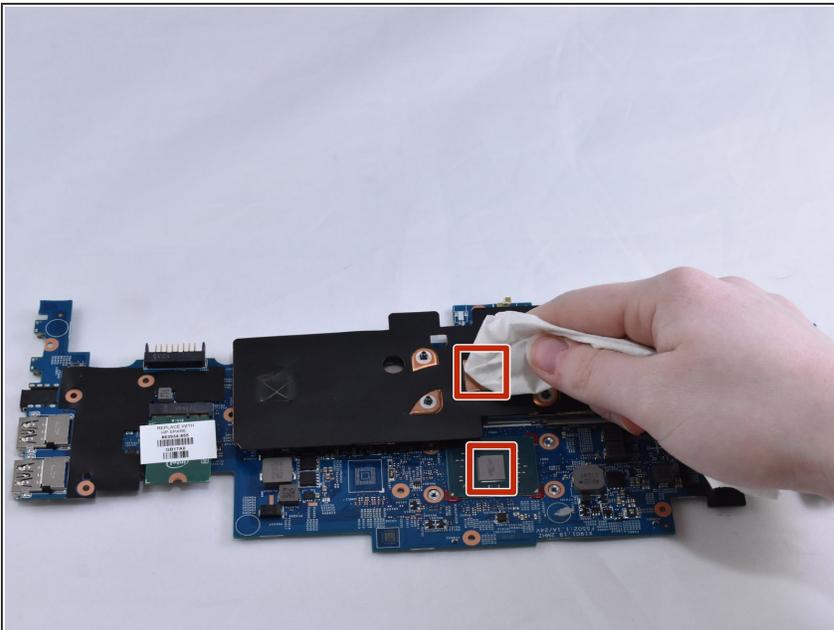
- Flip the motherboard over towards you.

Step 25



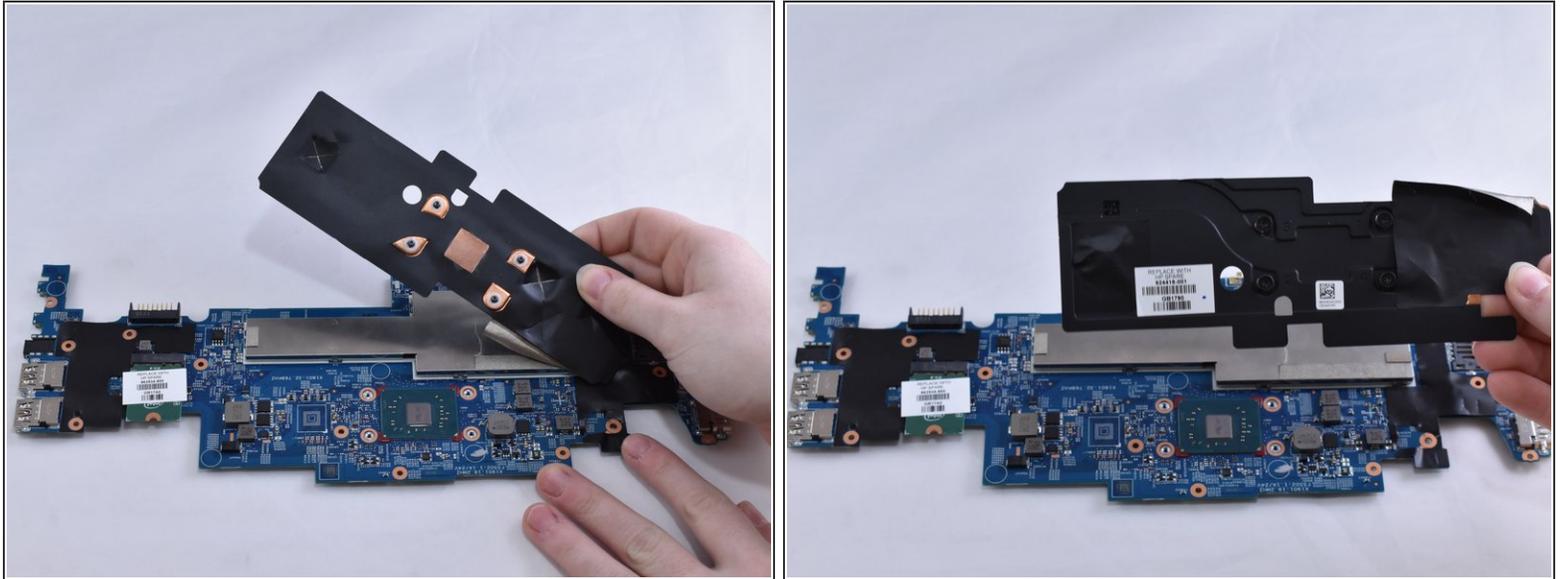
- Loosen the four captive Phillips #1 screws.
- ⚠ Do not attempt to remove the captive screws; only loosen them.
- Flip the heat sink up.

Step 26



- Using a tissue or paper towel, clean thermal paste off the heat sink and processor.
- ✦ New thermal paste, along with instructions for how to apply the paste, is provided with the purchased replacement heat sink.

Step 27



- Remove the black electric tape attached to the shell of the memory module.

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