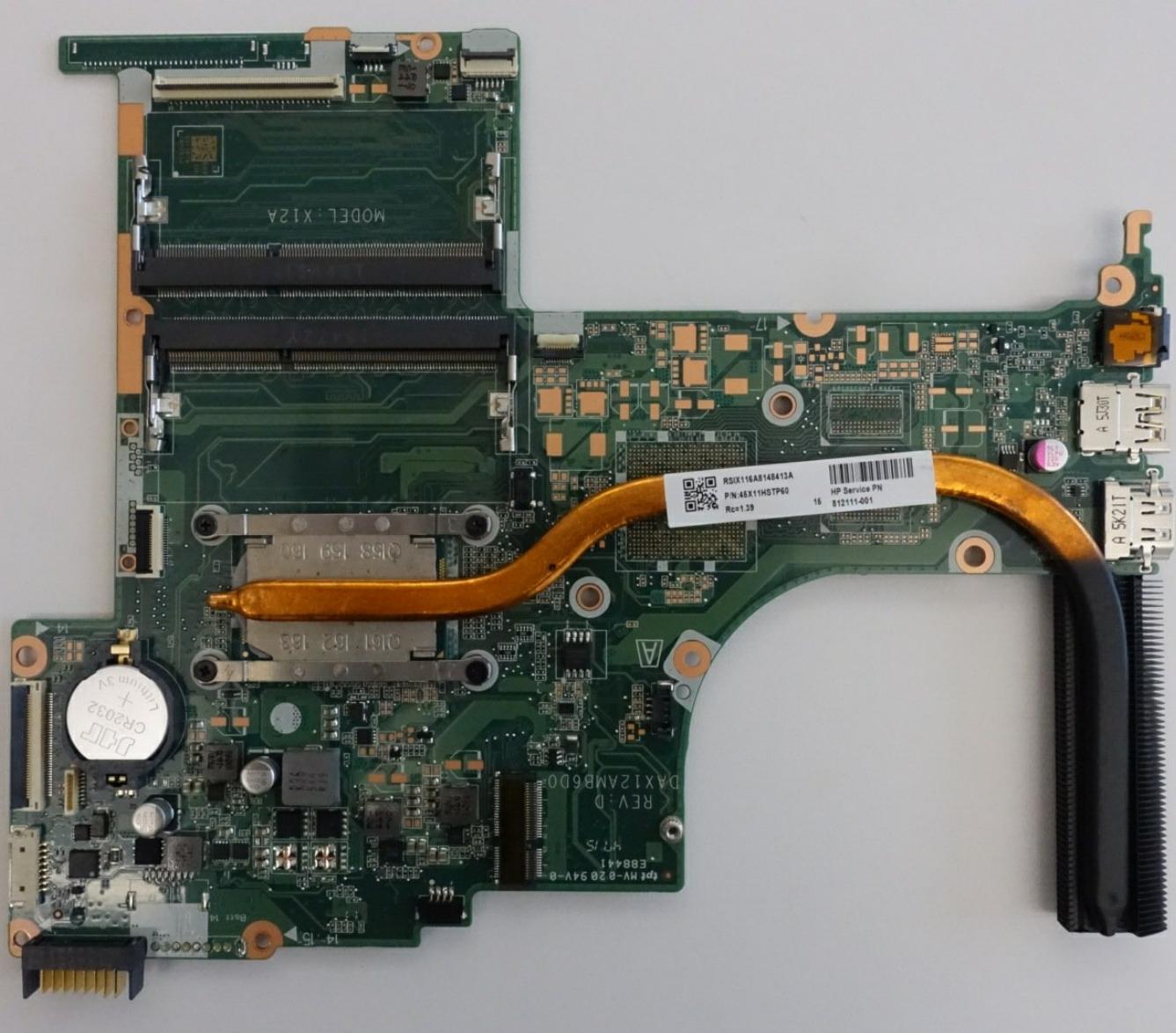




HP Pavilion 15-ab165us Motherboard Replacement

Replacement of the motherboard for the HP Pavilion 15-ab165us.

Written By: Dillon Hubble



INTRODUCTION

Replacement of the motherboard for the HP Pavilion 15-ab165us.

TOOLS:

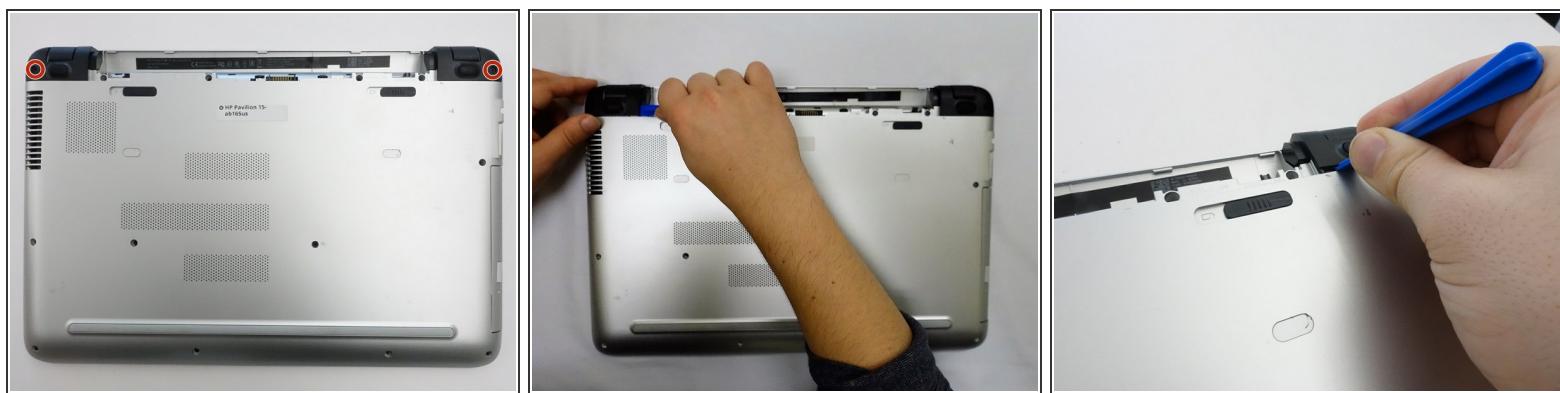
- [Phillips #00 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Phillips #1 Screwdriver](#) (1)
- [Metal Spudger](#) (1)

Step 1 — Battery and Back Cover



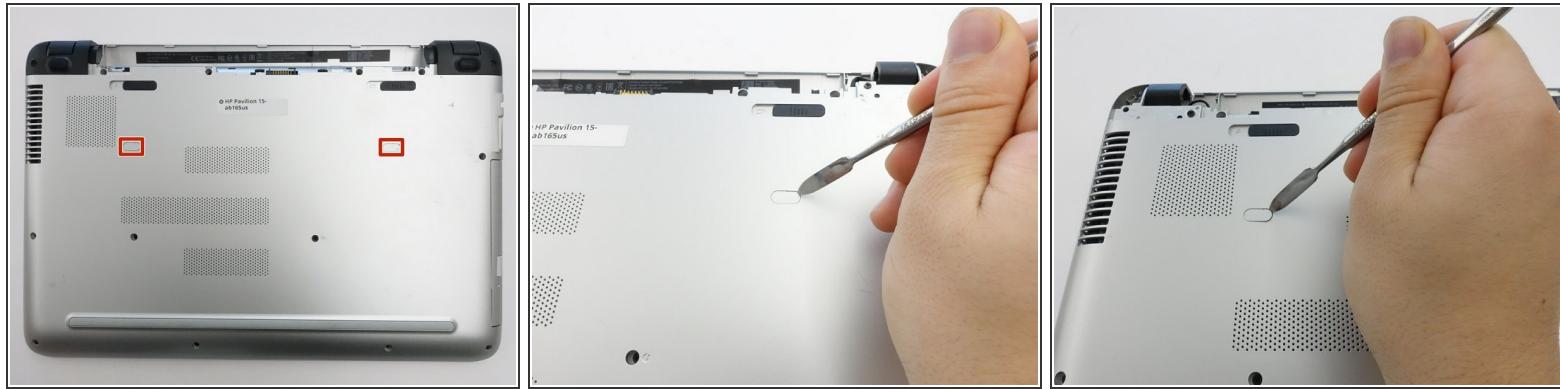
- Flip the computer over so that the bottom cover is facing you.
- Slide the two locks to the "unlock" position and remove the battery.

Step 2



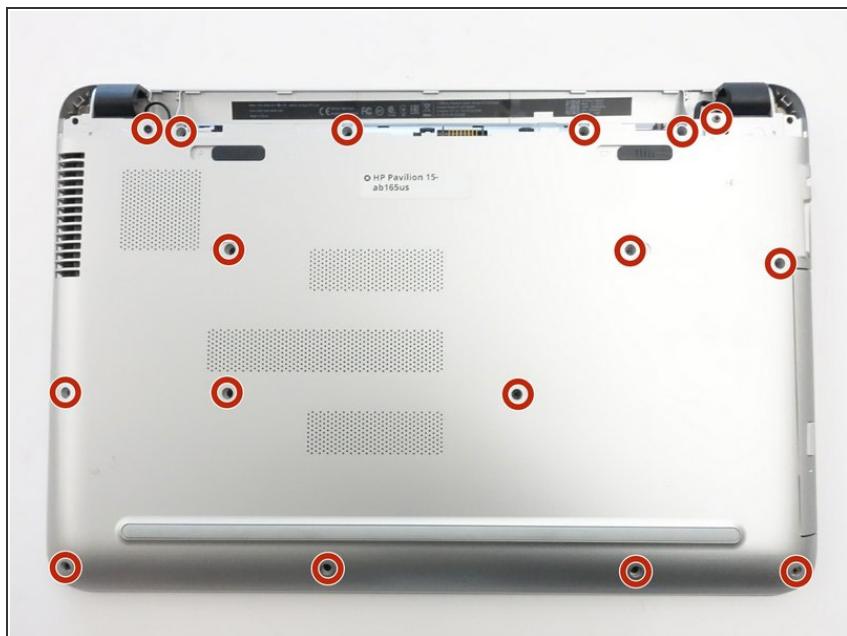
- Remove the two 8mm screws underneath with a Phillips #1 screwdriver.
- Use a plastic opening tool to remove the plastic feet.

Step 3



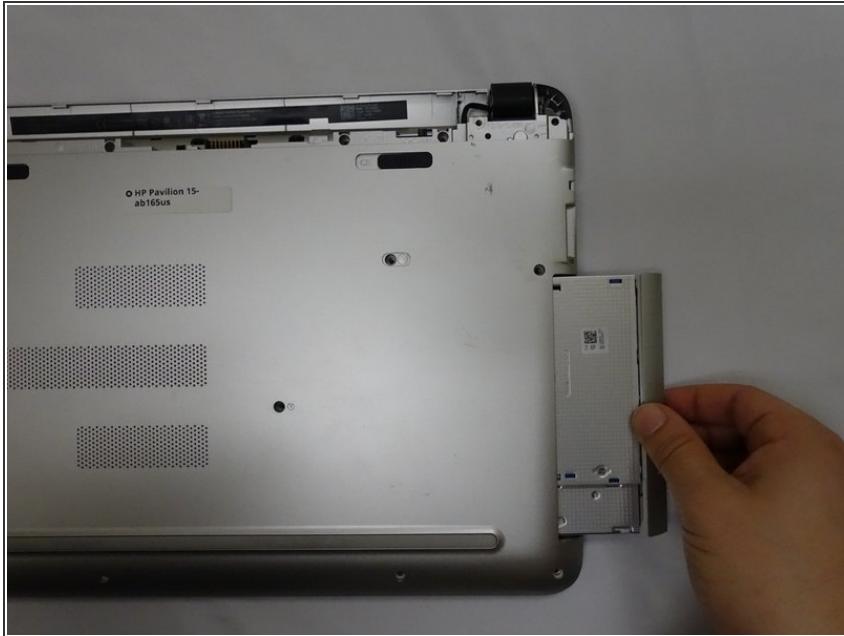
- Remove the two plastic tabs with a metal spudger.

Step 4



- Remove the sixteen 8mm screws that hold the bottom cover with a Phillips #1 screwdriver.

Step 5



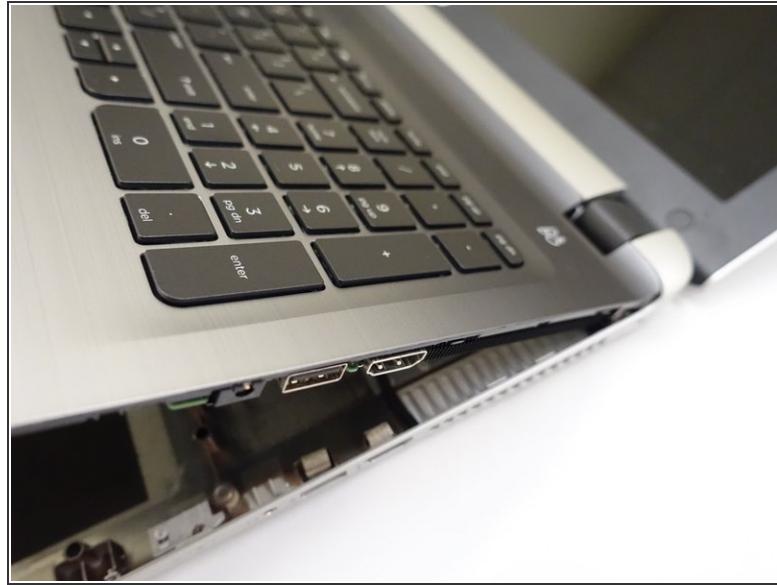
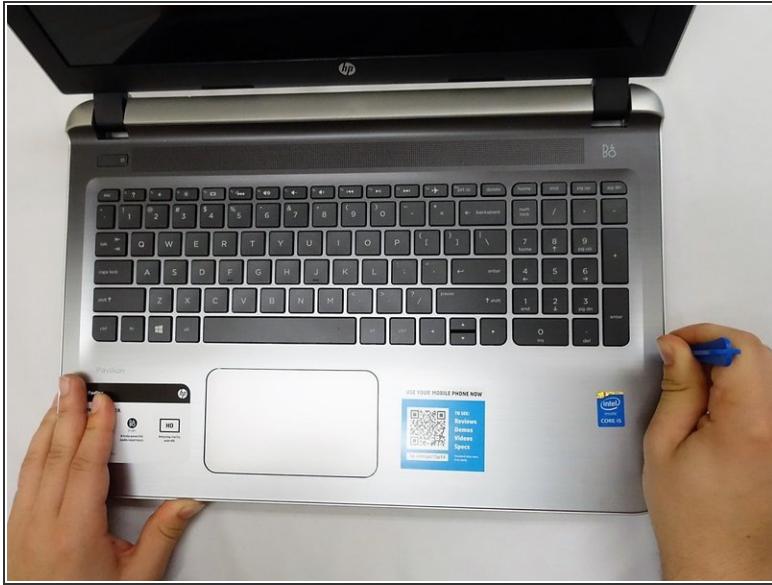
- Pull the Optical Drive out.

Step 6



- Remove the 3mm screws that were hidden under the Optical Drive with a Phillips #00 screwdriver.

Step 7



- Flip the computer back over.
- Use a plastic opening tool to release the clips holding the keyboard section in place.

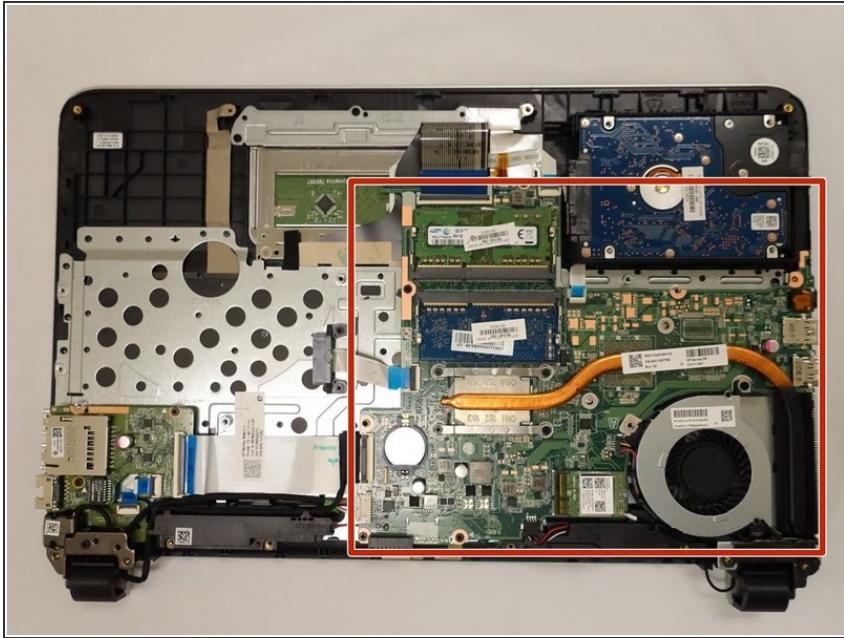
Step 8



- Close the lid and pull the screen and keyboard section up and away from the disconnected bottom cover.

The hard drive is NOT screwed into place on the underside of the keyboard section.

Step 9 — Motherboard



- Locate the motherboard.

Step 10



- Disconnect the wire connected to the Wifi card.

Step 11



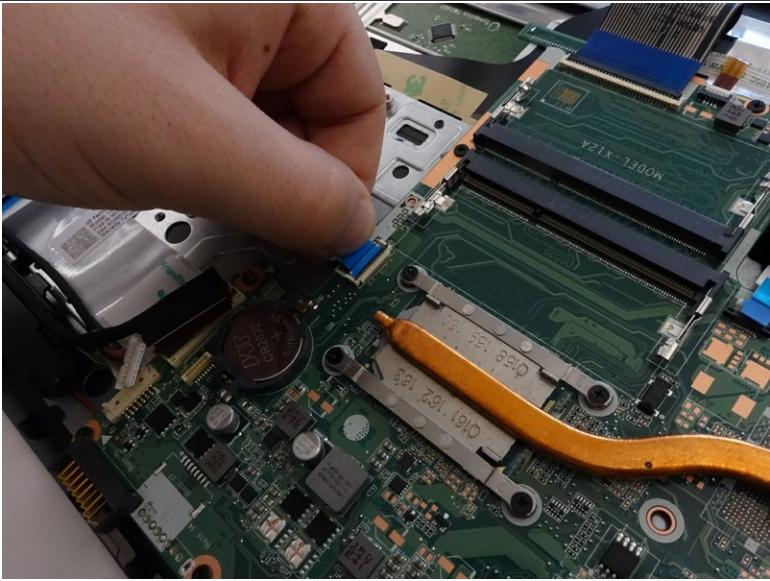
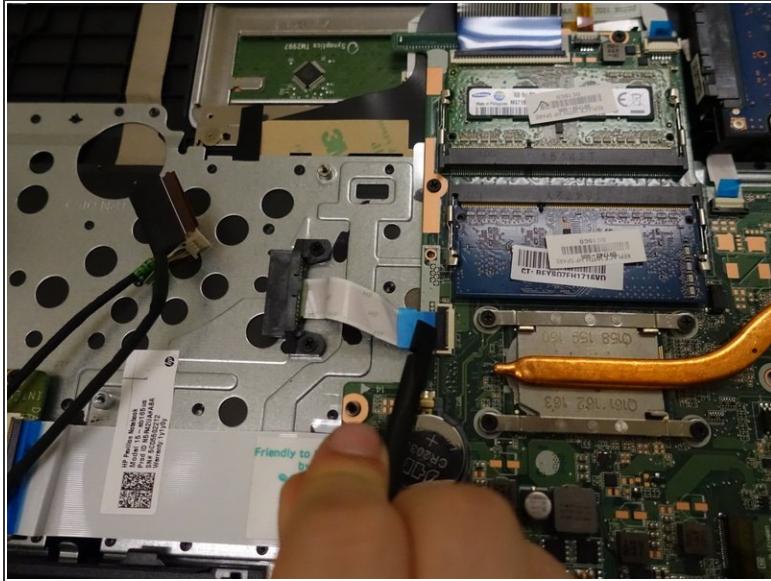
- Disconnect the speakers.

Step 12



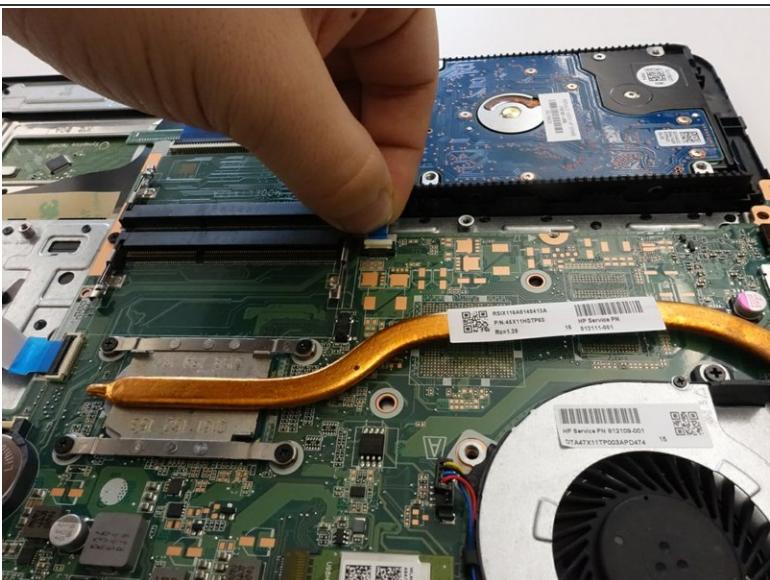
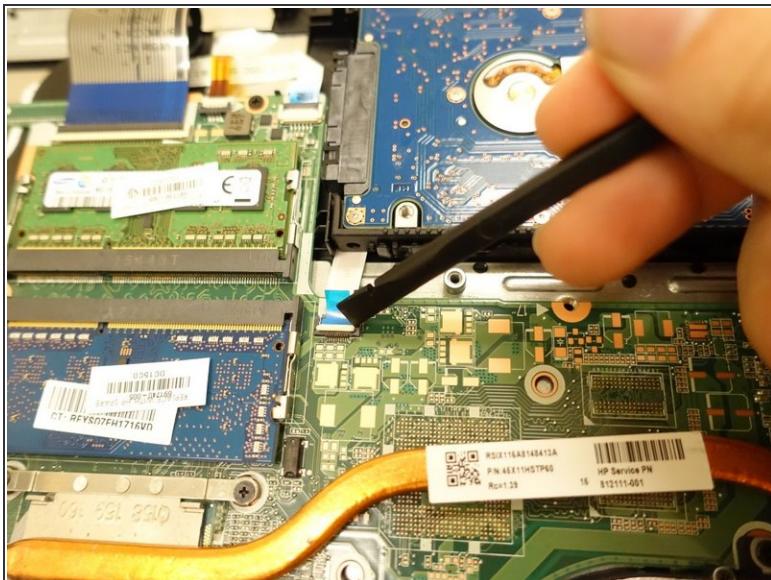
- Unlock and disconnect cables attached to the motherboard that connect to the display.

Step 13



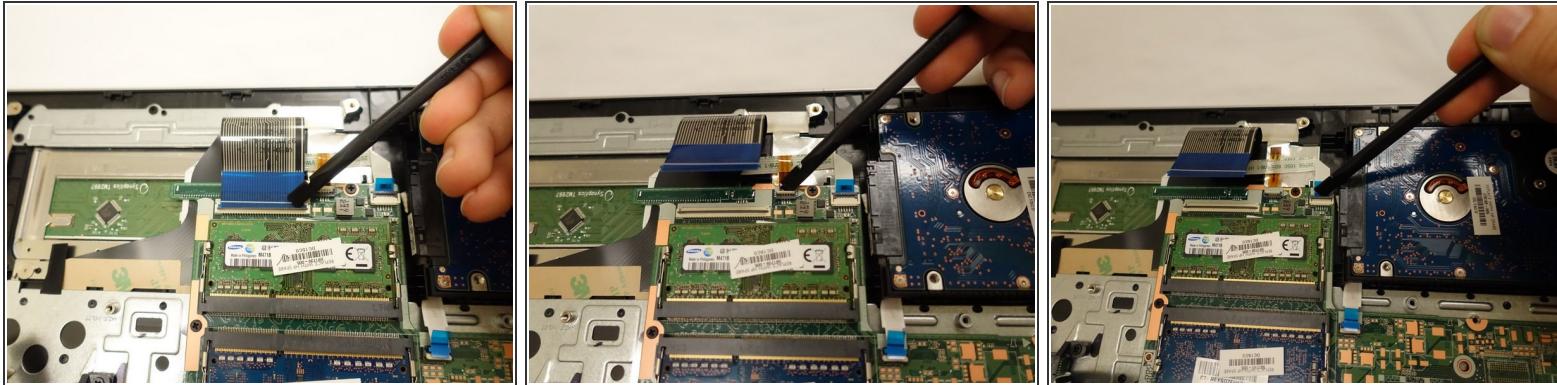
- Unlock and remove the cable connected to the optical drive.

Step 14



- Unlock and remove the cable that connects to the hard drive.

Step 15



- Unlock and remove the cables connected to the keyboard.

Step 16



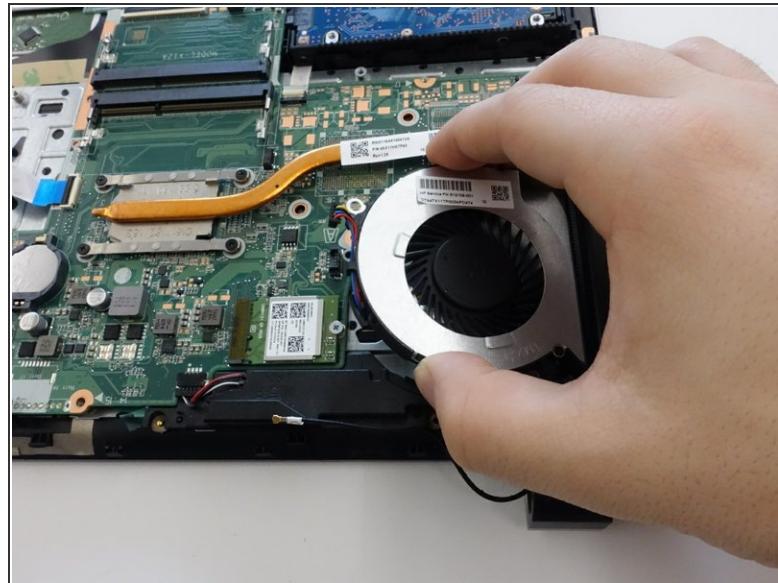
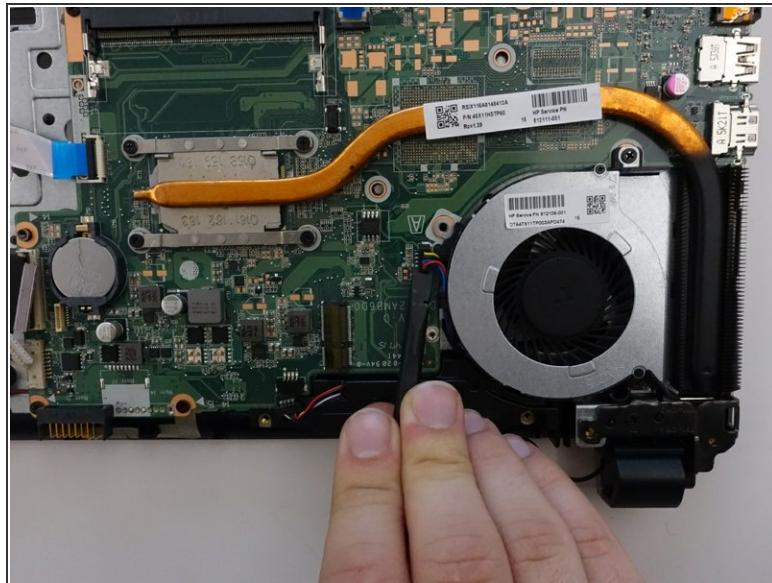
- Remove the 4mm screws holding the motherboard in place with a Phillips #1 screwdriver.

Step 17



- Remove the 4mm screws holding the motherboard in place with a Phillips #1 screwdriver.

Step 18



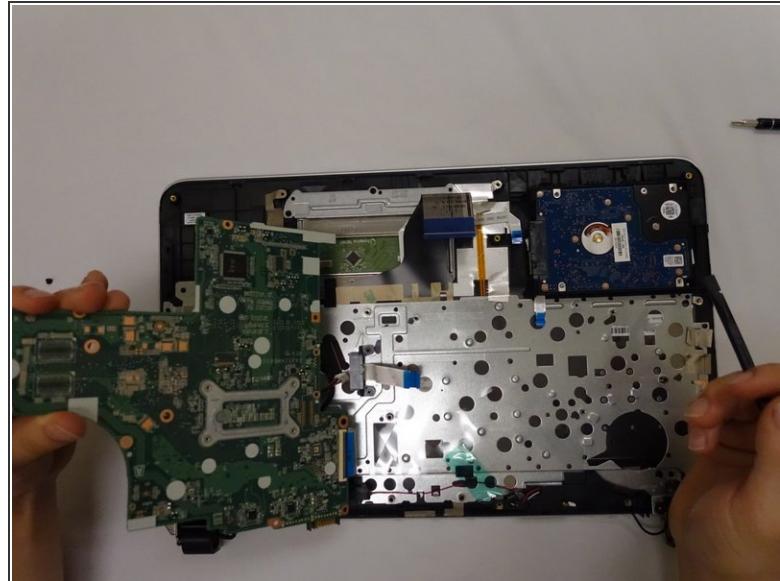
- Disconnect the fan pins.
- Lift up to remove the fan.

Step 19



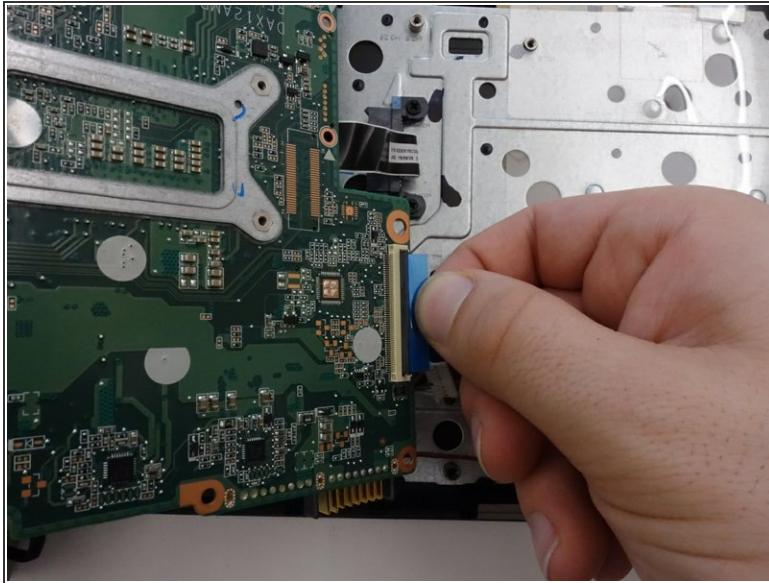
- Release motherboard from the clip at the base of the hard drive.

Step 20



- Lift the motherboard up and flip it around to reveal the cable connected on the underside.

Step 21



- Unlock and disconnect the cable connected to the underside of the motherboard.
- Pull the motherboard out of the chassis.

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