



HP Pavilion 15-ab165us Motherboard Replacement

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

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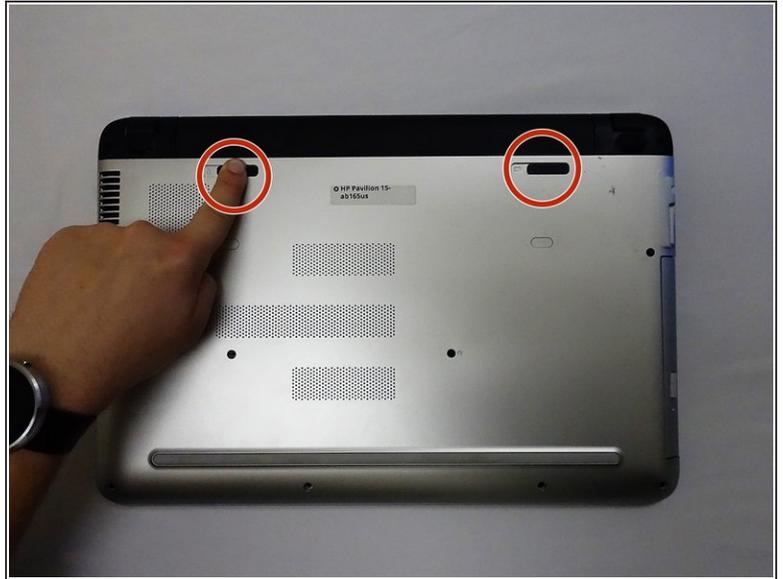
INTRODUCTION

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)
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Step 1 — Battery and Back Cover



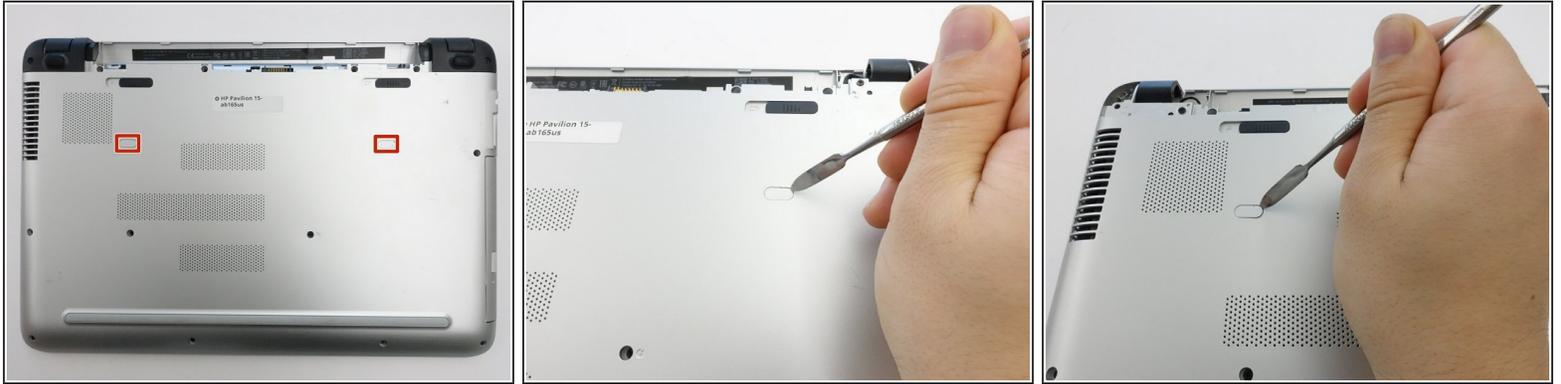
- Flip the computer over so that the bottom cover is facing you.
- Slide the two locks to the "unlock" position and remove the battery.

Step 2



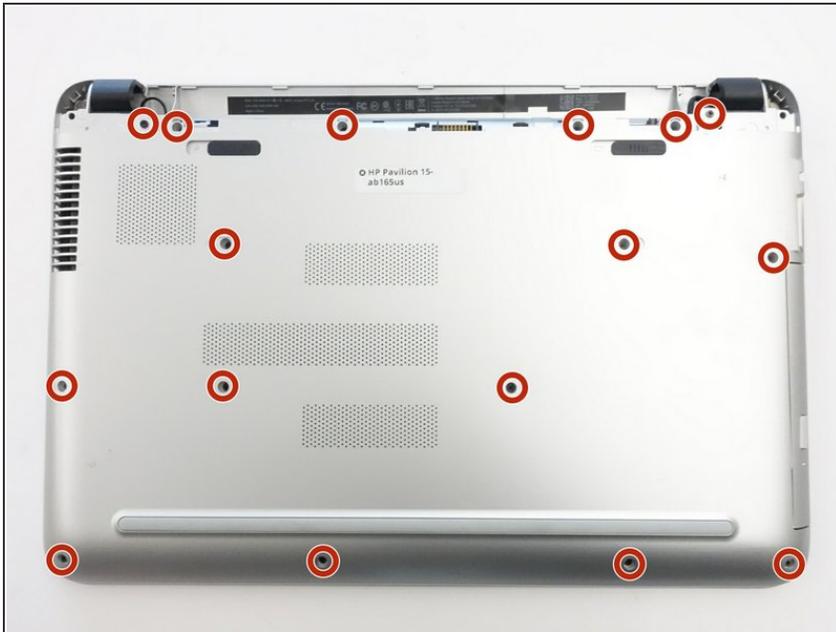
- Remove the two 8mm screws underneath with a Phillips #1 screwdriver.
- Use a plastic opening tool to remove the plastic feet.

Step 3



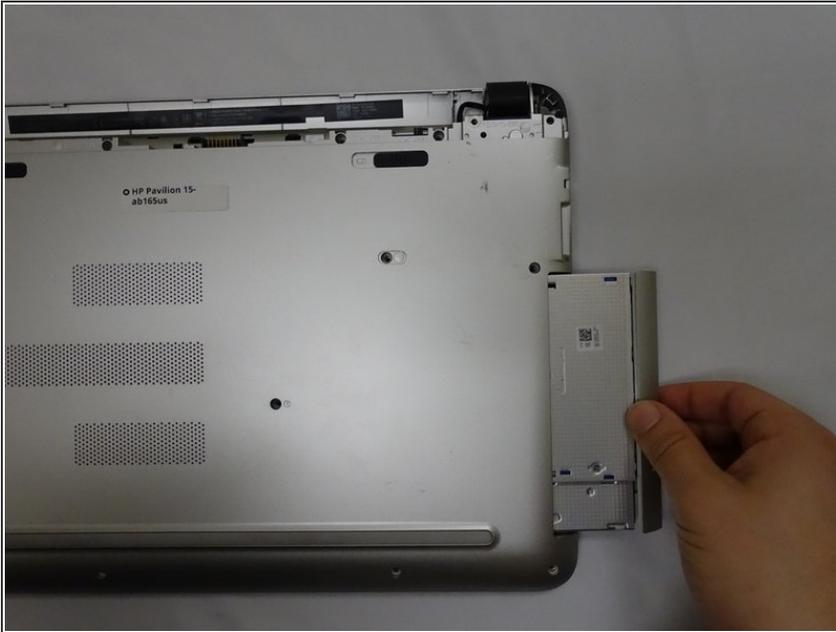
- Remove the two plastic tabs with a metal spudger.

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 #0 screwdriver.

Step 7



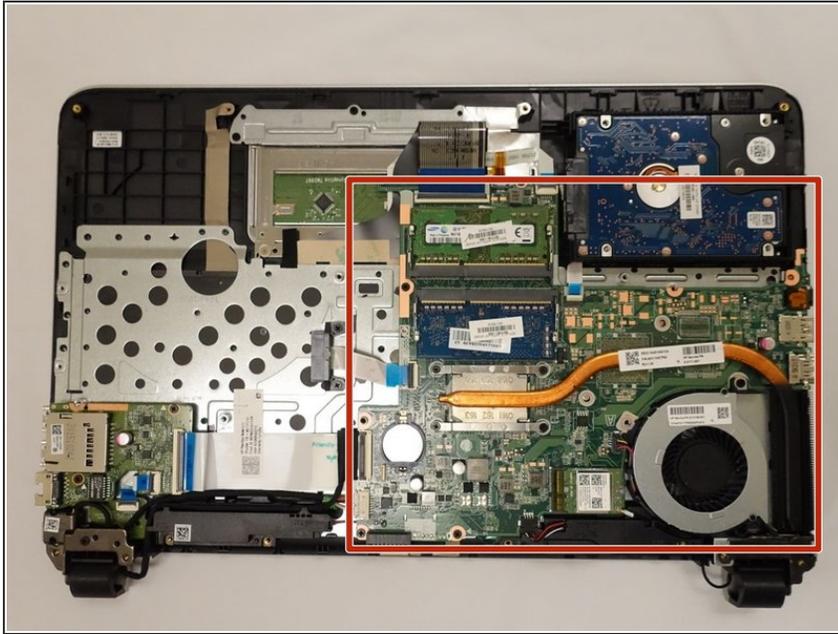
- Flip the computer back over.
- Use a plastic opening tool to release the clips holding the keyboard section in place.

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



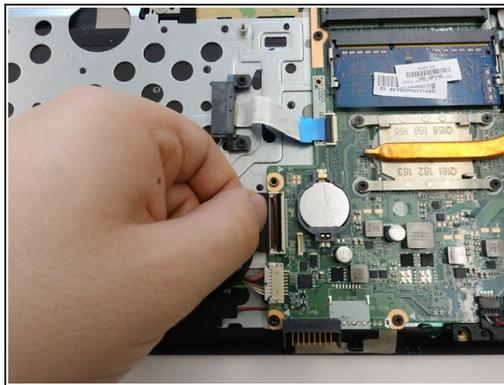
- Disconnect the wire connected to the Wifi card.

Step 11



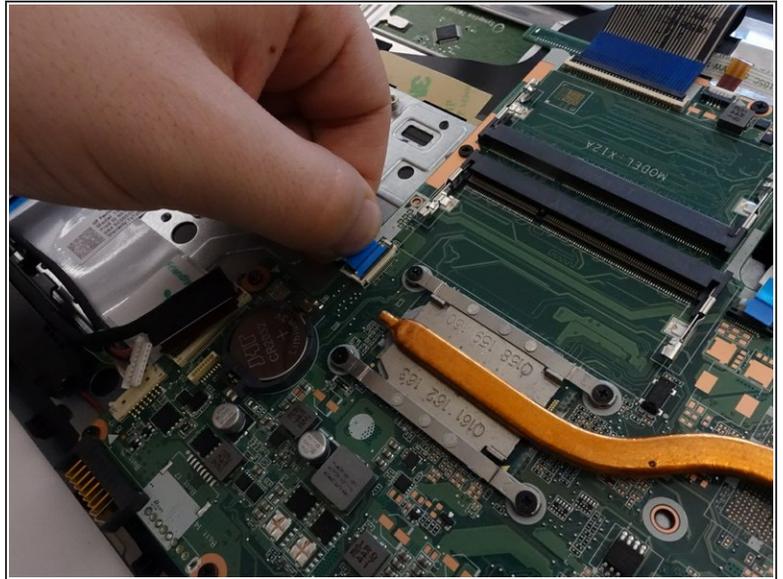
- Disconnect the speakers.

Step 12



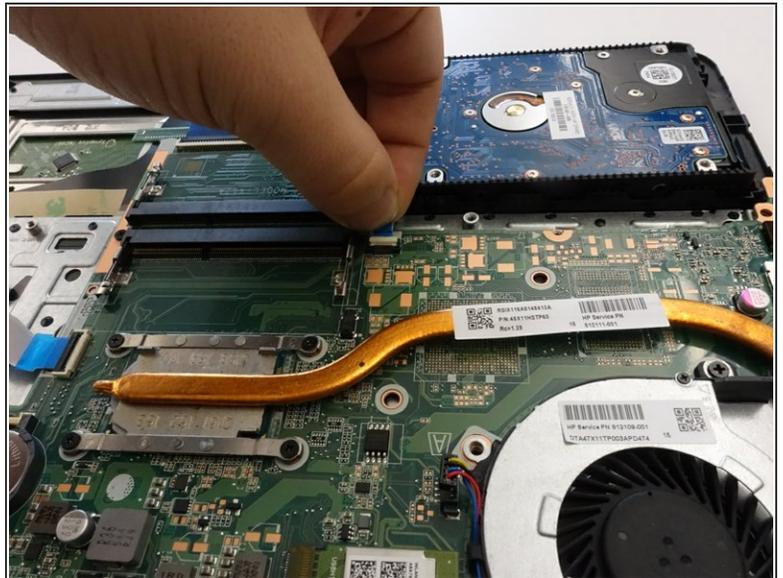
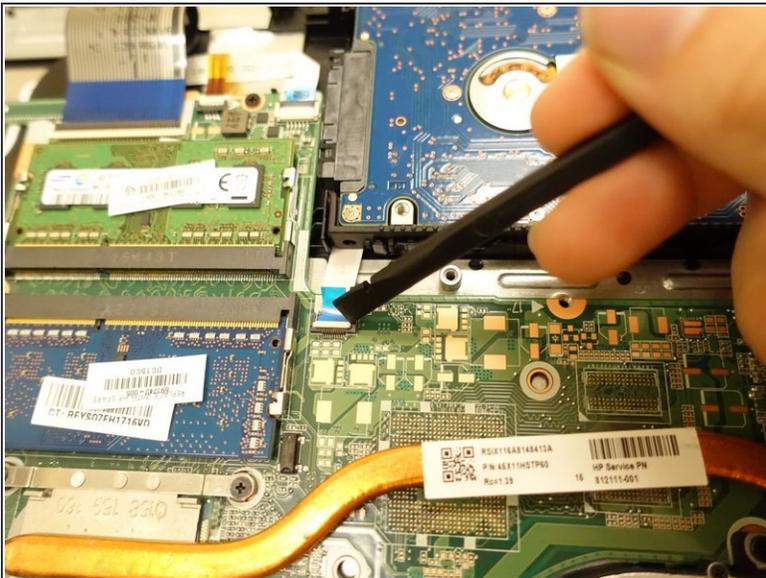
- Unlock and disconnect cables attached to the motherboard that connect to the display.

Step 13



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

Step 14



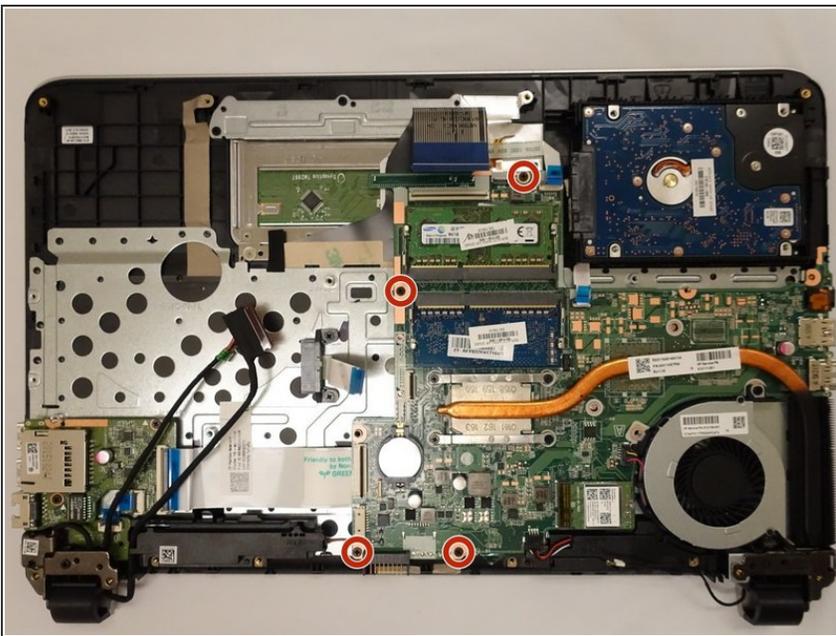
- Unlock and remove the cable that connects to the hard drive.

Step 15



- Unlock and remove the cables connected to the keyboard.

Step 16



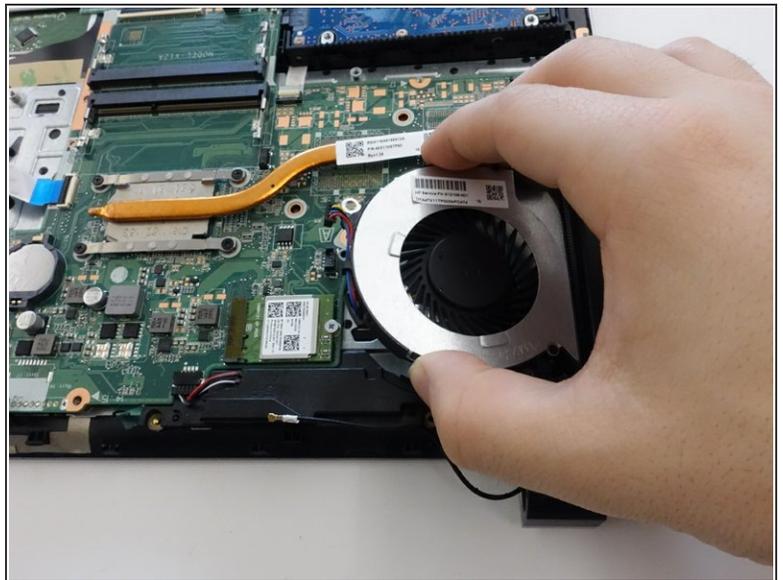
- Remove the 4mm screws holding the motherboard in place with a Phillips #1 screwdriver.

Step 17



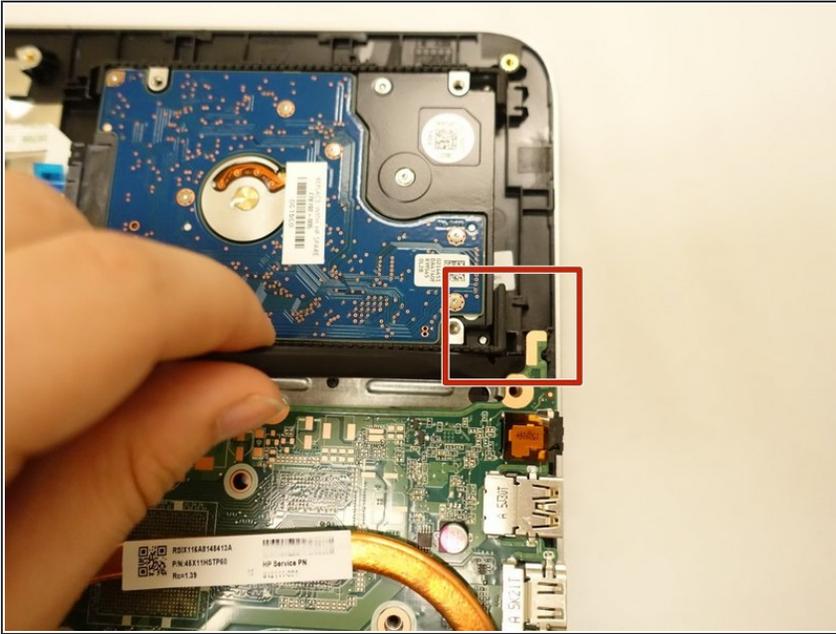
- Remove the 4mm screws holding the motherboard in place with a Phillips #1 screwdriver.

Step 18



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

Step 19



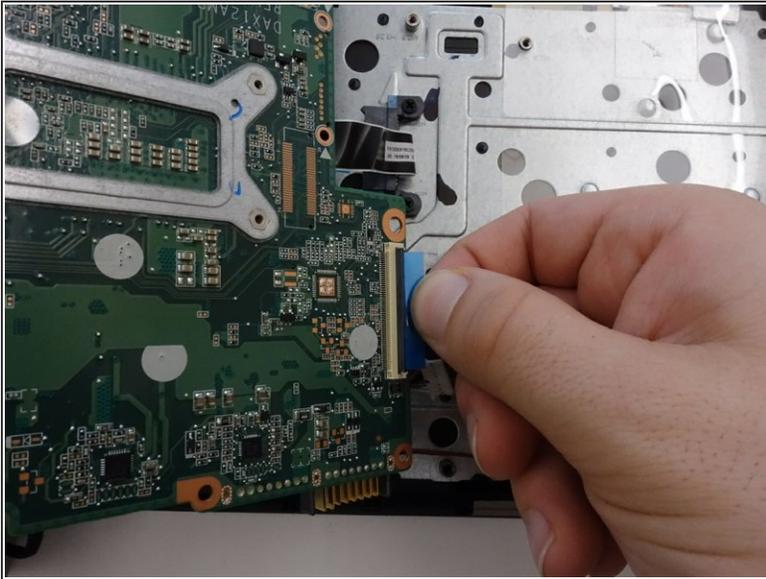
- Release motherboard from the clip at the base of the hard drive.

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.