



# HP Pavilion 15-ab165us Motherboard Replacement

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

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# INTRODUCTION

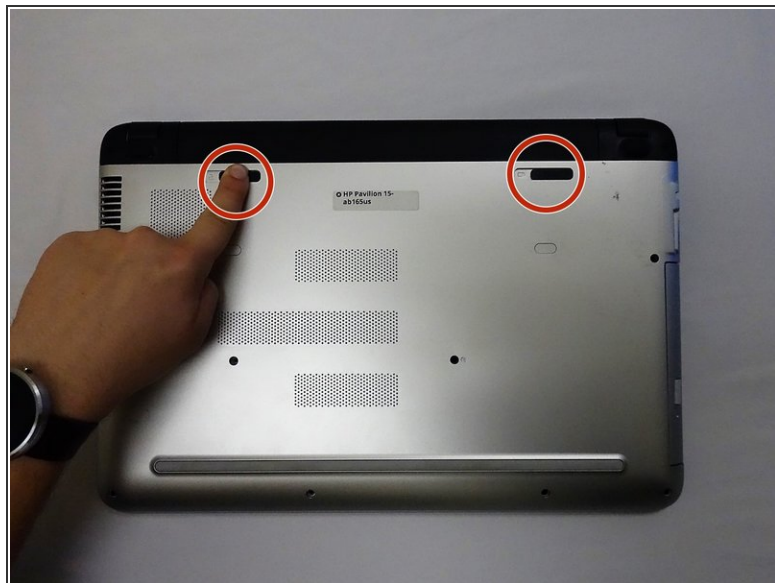
Replacement of the motherboard for the HP Pavilion 15-ab165us.



## TOOLS:

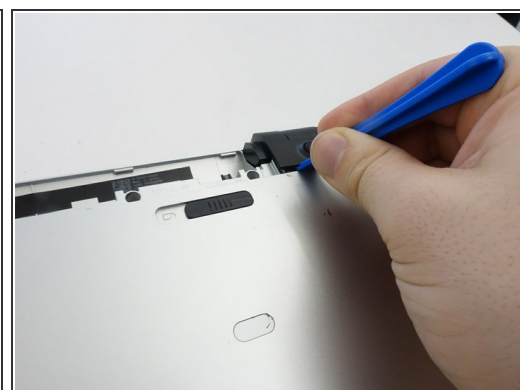
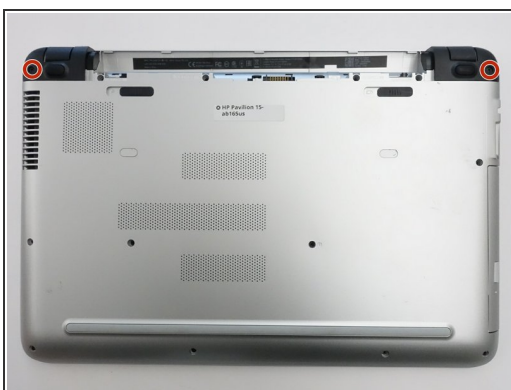
- [Phillips #00 Screwdriver](#) (1)
  - [iFixit Opening Tools](#) (1)
  - [Phillips #1 Screwdriver](#) (1)
  - [Metal Spudger](#) (1)
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## Step 1 — Battery and Back Cover



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

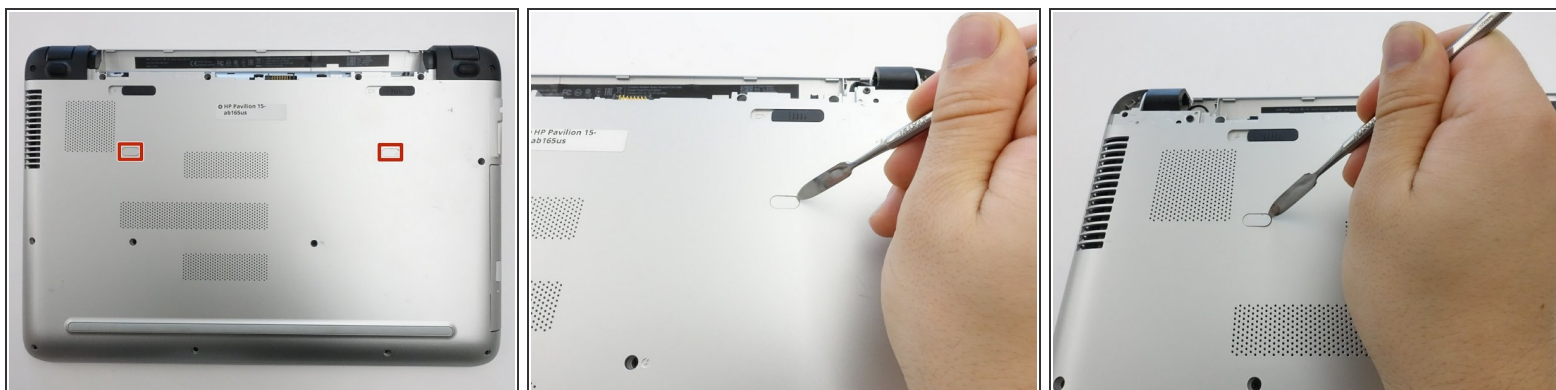
## Step 2



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

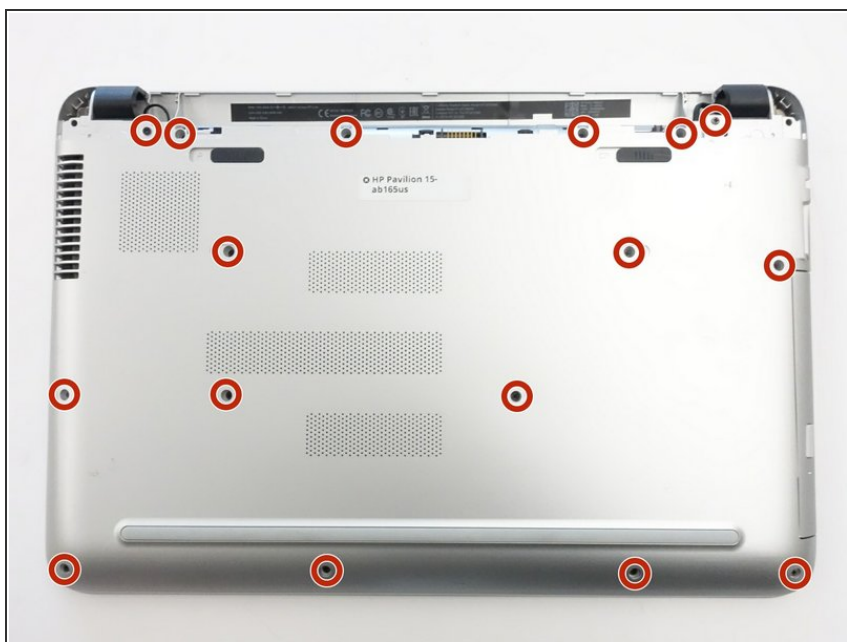


## Step 3



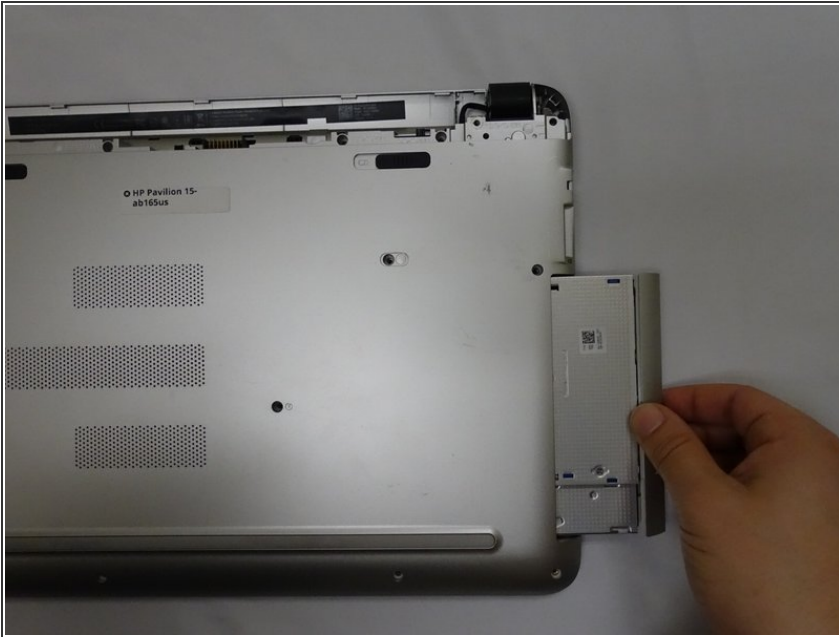
- Remove the two plastic tabs with a metal spudger.

## 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 #00 screwdriver.

## Step 7



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

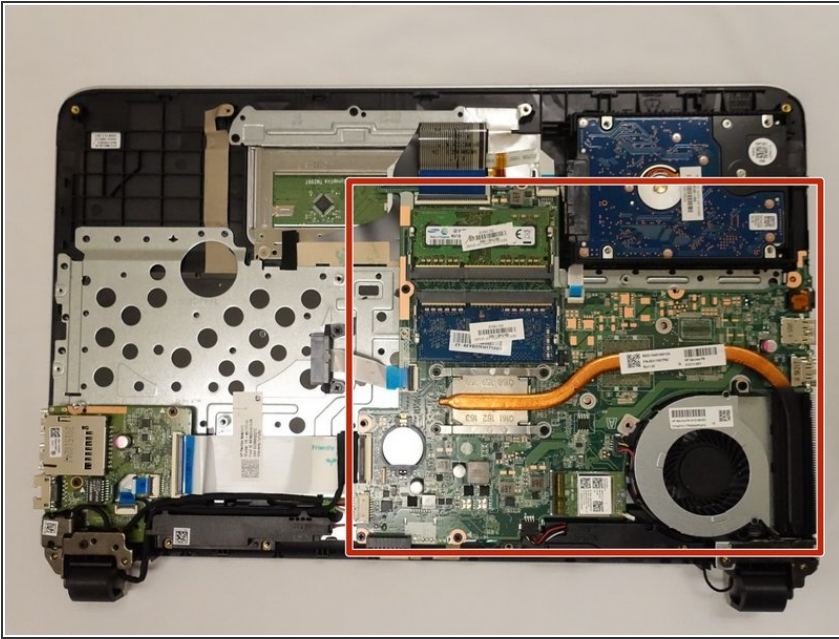
## Step 8



- 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



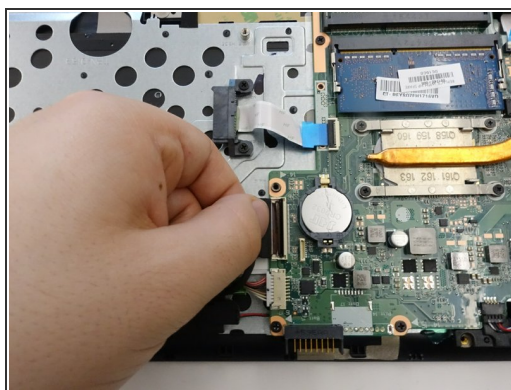
- Disconnect the wire connected to the Wifi card.

## Step 11



- Disconnect the speakers.

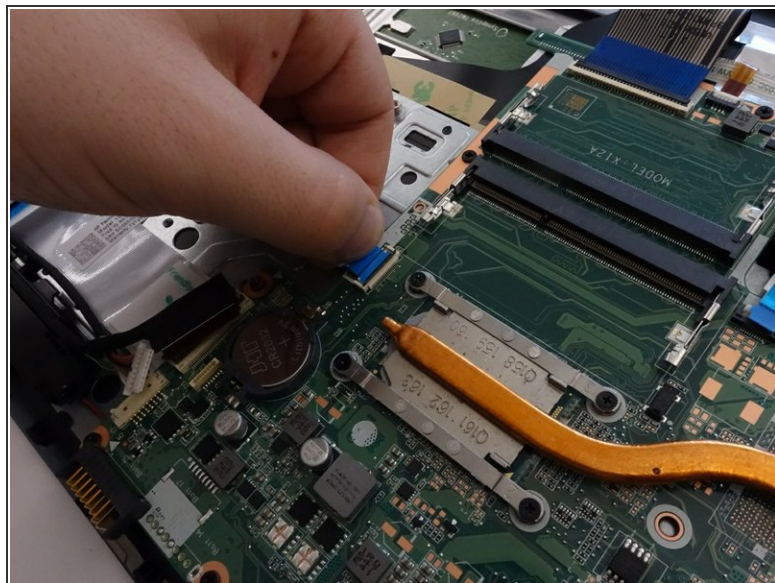
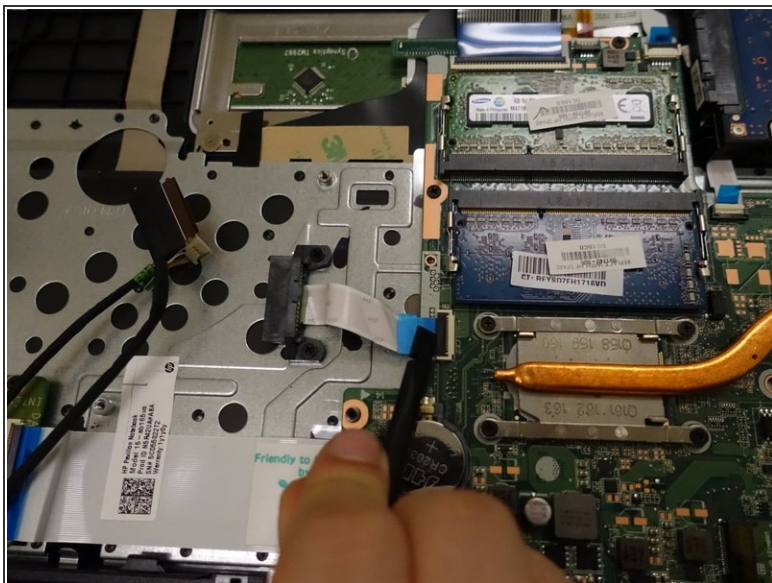
## Step 12



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

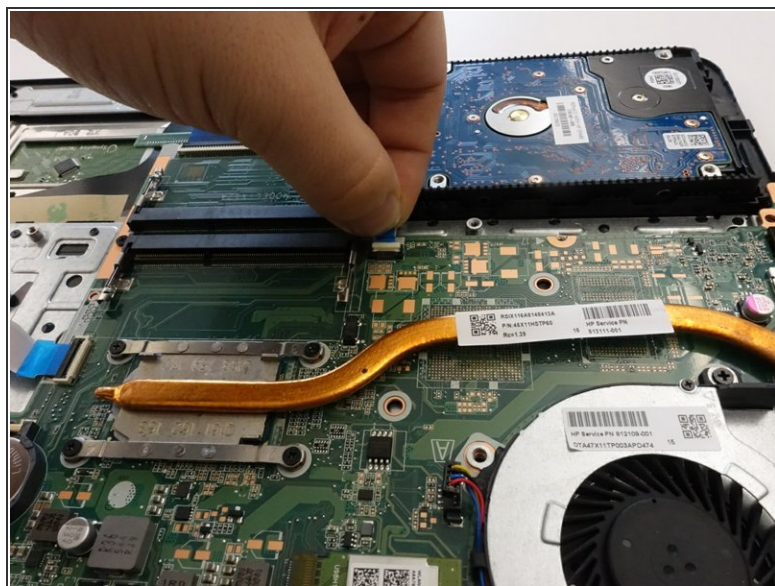
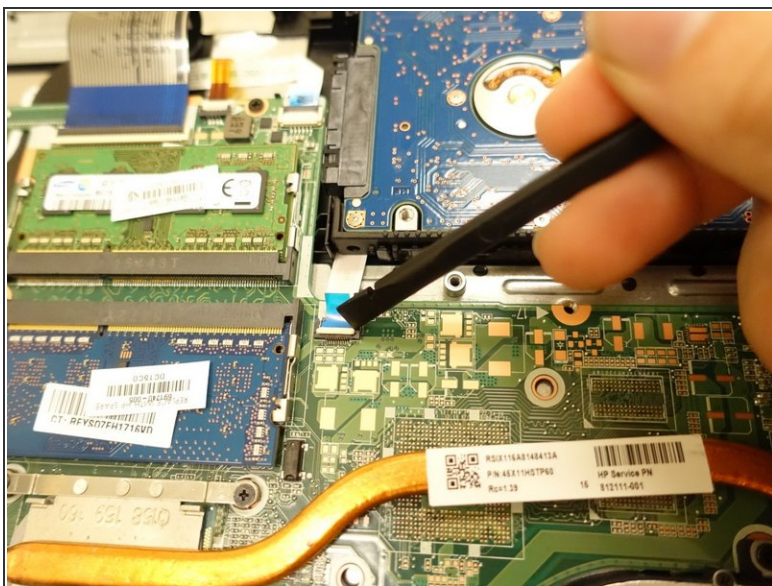


## Step 13



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

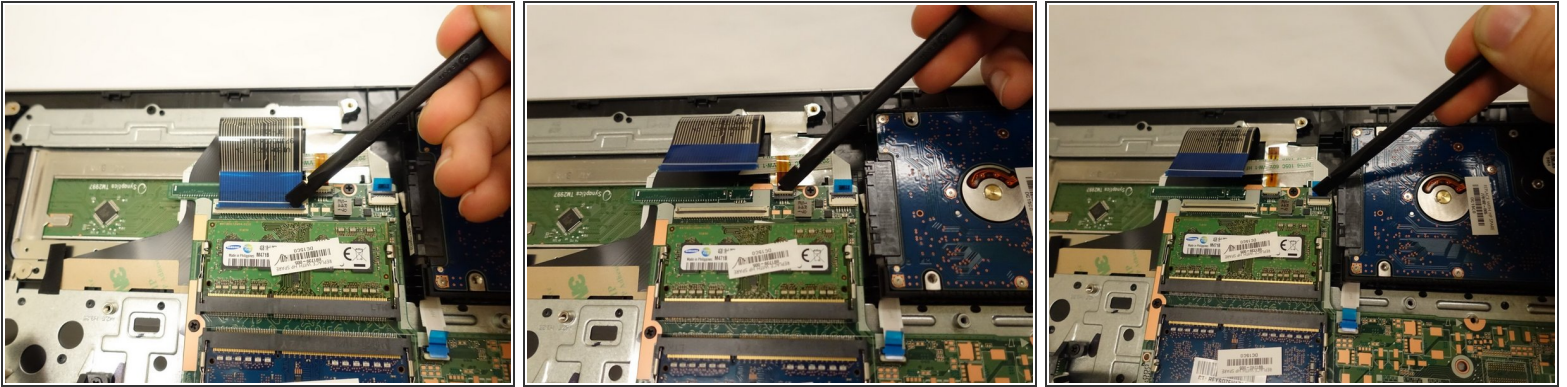
## Step 14



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

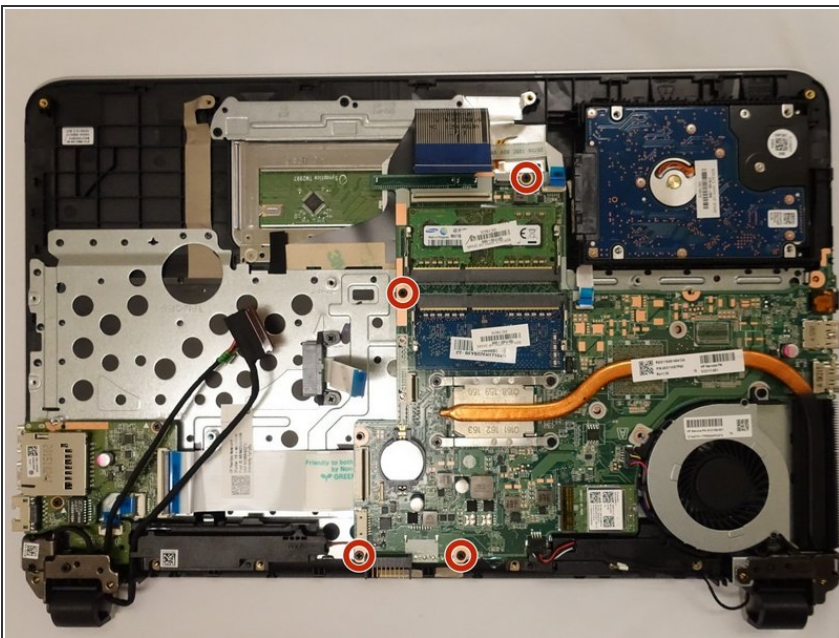


## Step 15



- Unlock and remove the cables connected to the keyboard.

## Step 16



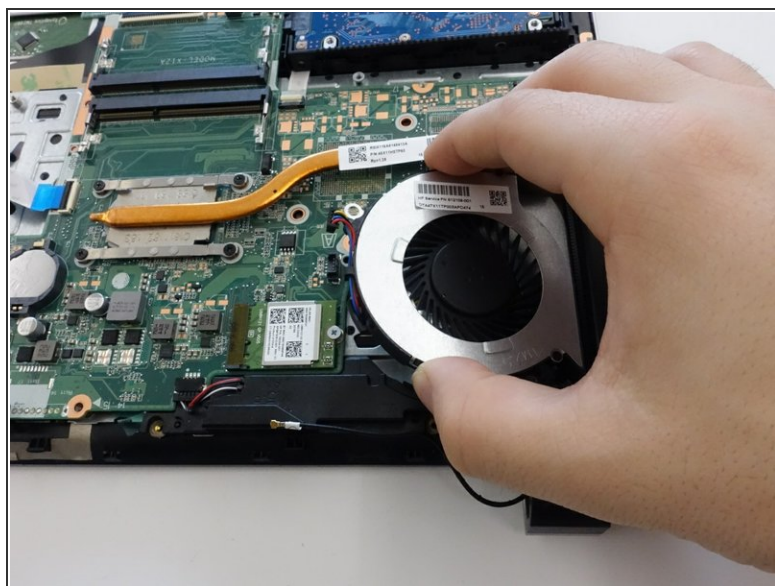
- Remove the 4mm screws holding the motherboard in place with a Phillips #1 screwdriver.

## 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



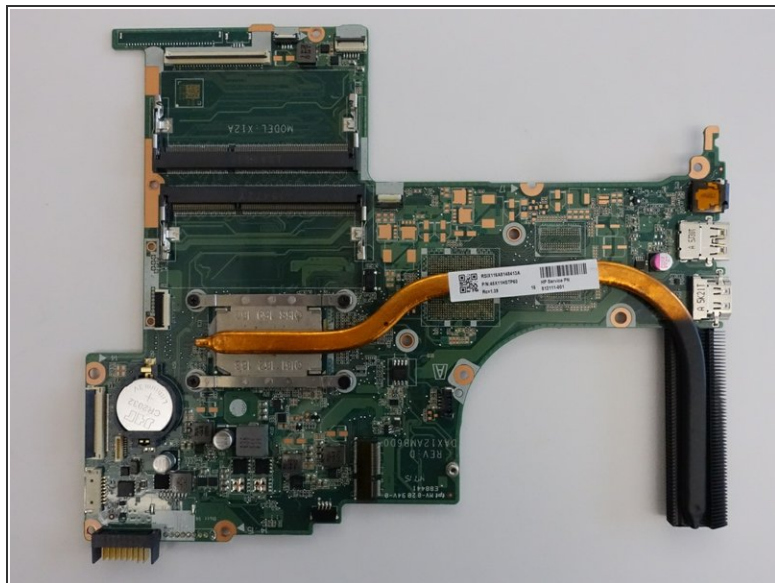
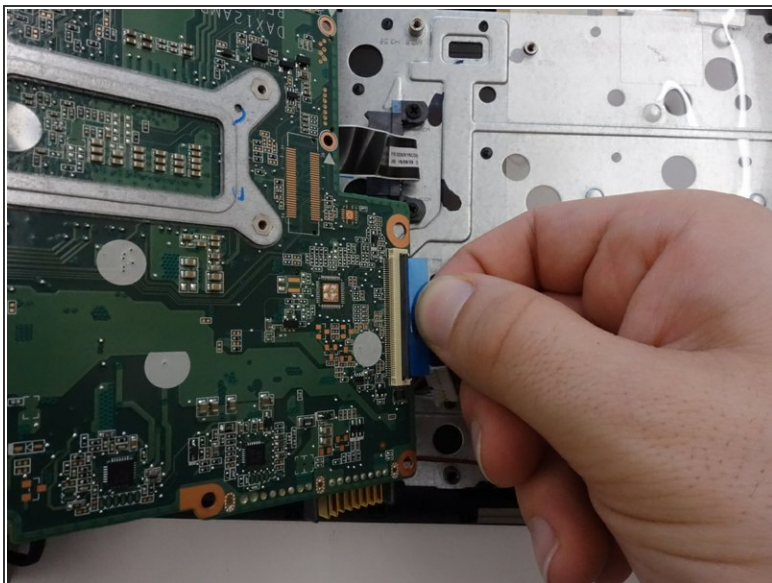
- Release motherboard from the clip at the base of the hard drive.

## 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.