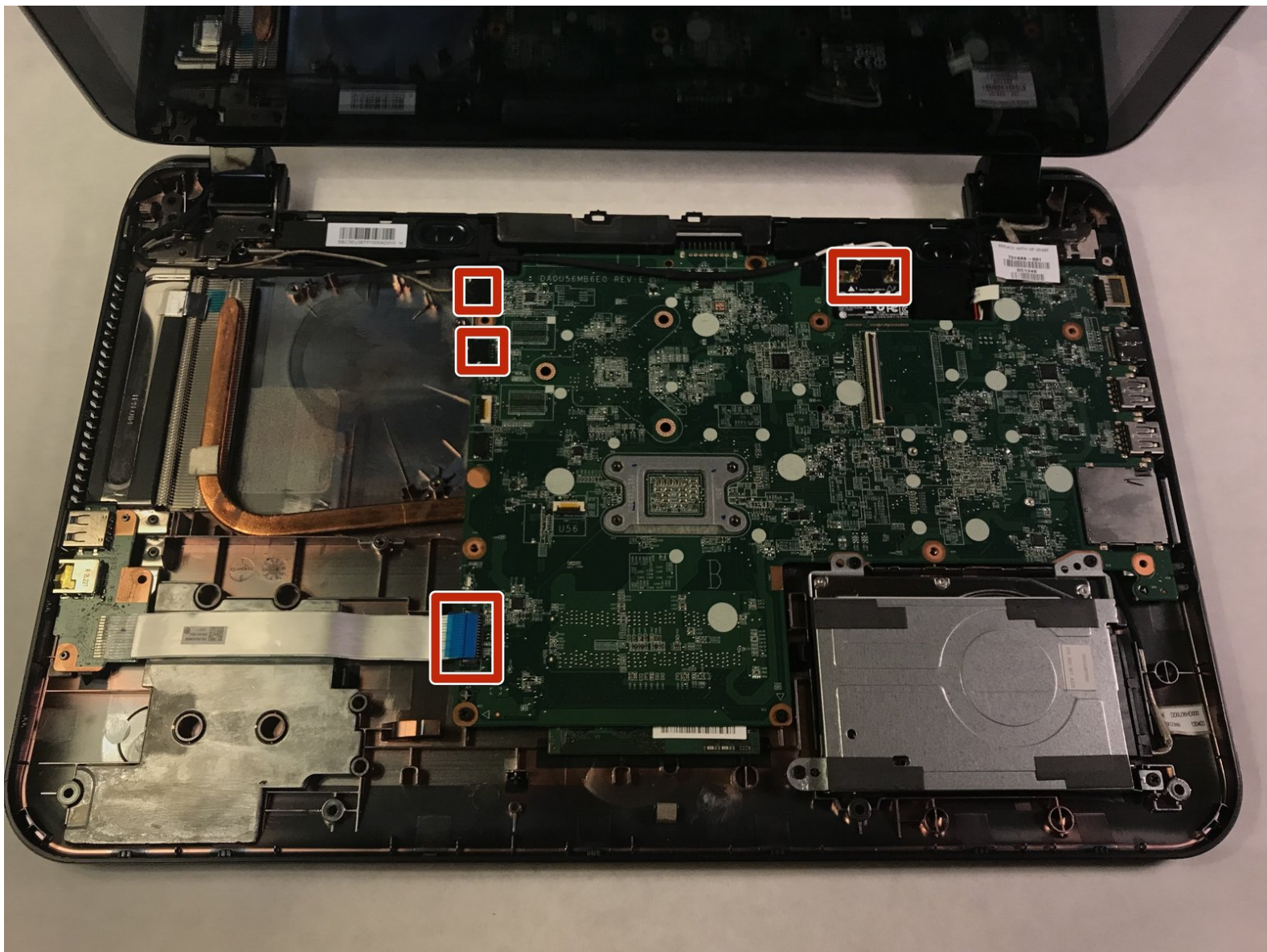




HP Pavilion 15-b109wm RAM Replacement

This guide will show you how to replace the memory module (RAM) inside your HP Pavilion 15-b109wm.

Written By: Stephen Gacioch



INTRODUCTION

This guide will show you how to replace your Memory Module in your HP Pavilion 15-b109wm. This process will take about 1 hour, and is very tedious. So take your time, complete each task carefully, and you'll have a successful replacement of your Memory Module.



TOOLS:

- [JIS #1](#) (1)
 - [Heavy-Duty Spudger](#) (1)
 - [iFixit Opening Tools](#) (1)
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Step 1 — Battery



- Power off the device and disconnect from any power source.

Step 2



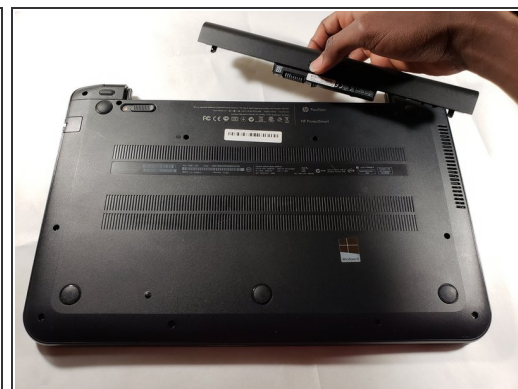
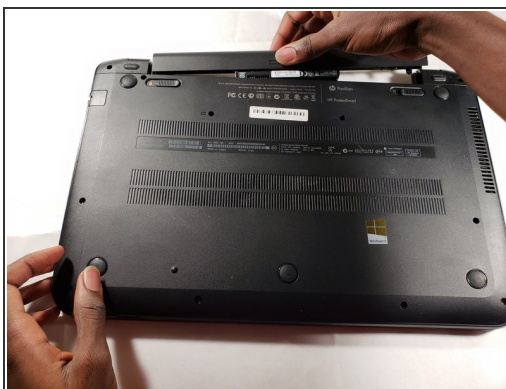
- Turn the device upside down and ensure the back of the device is facing you.

Step 3



- Push both buttons towards one another simultaneously. The battery slightly pops out.

Step 4



- ⚠ Pull out the battery from the device's battery slot.

Step 5 — Keyboard



- Use JIS #1 screwdriver to remove the eleven 6 mm screws.

Step 6



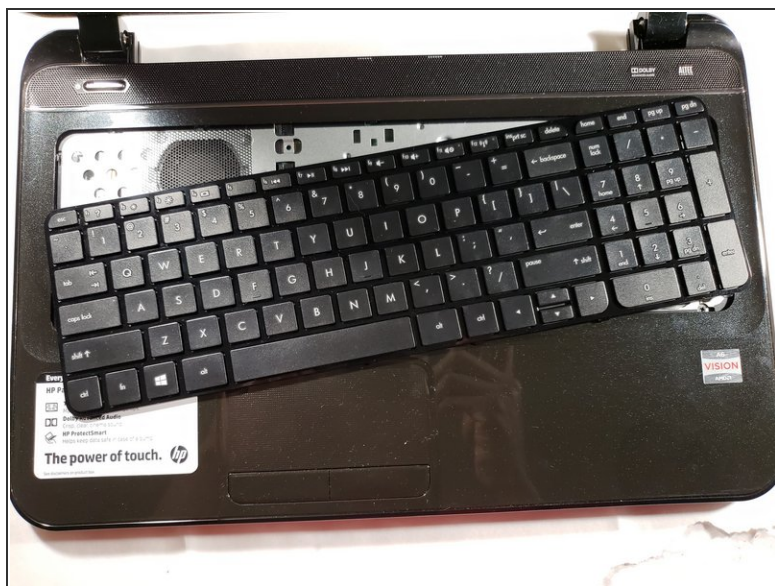
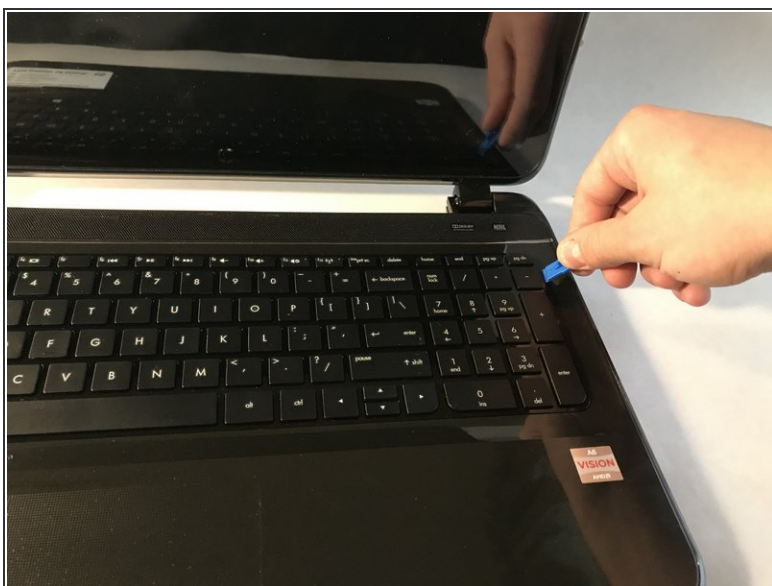
- Locate the two screw holes that allow access to removing the keyboard.
- ⓘ There is a keyboard sign beside both keyboard access holes.

Step 7



- Turn the device onto its side.
- Using a heavy duty spudger, gently disengage the keyboard.

Step 8



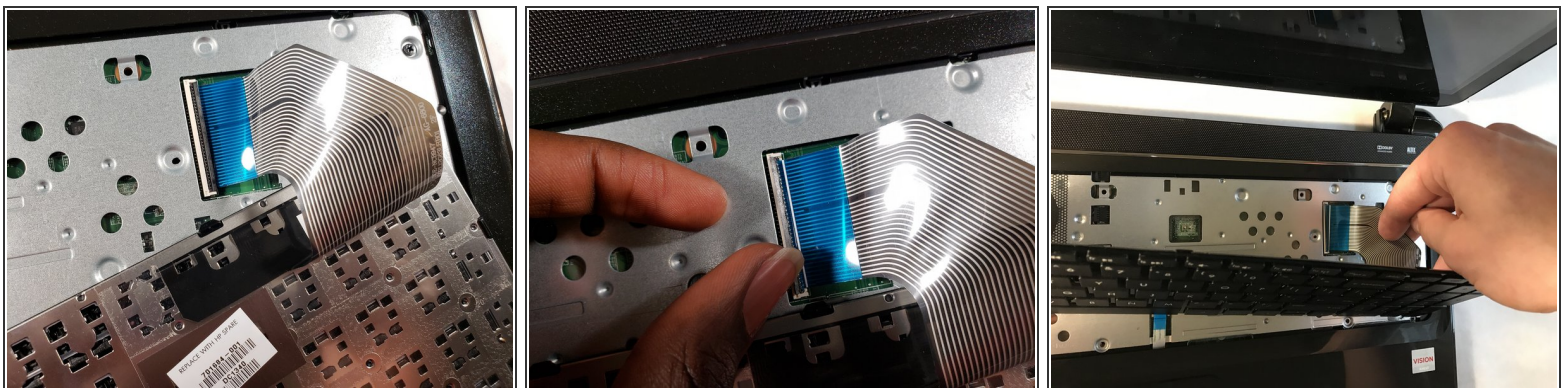
- Using a plastic opening tool, release the keyboard clips.

Step 9



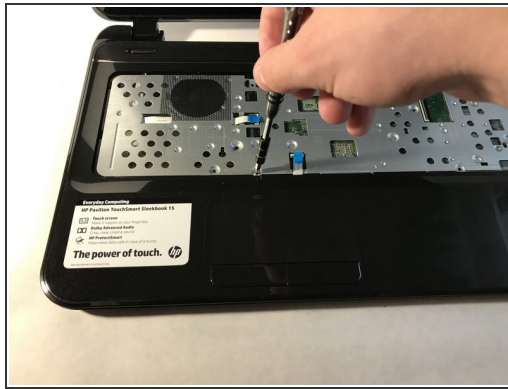
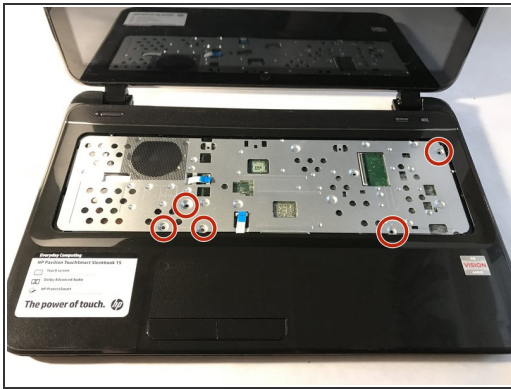
- Tilt the keyboard to expose the *Zero Insertion Force* connector to which the keyboard cable is attached.

Step 10



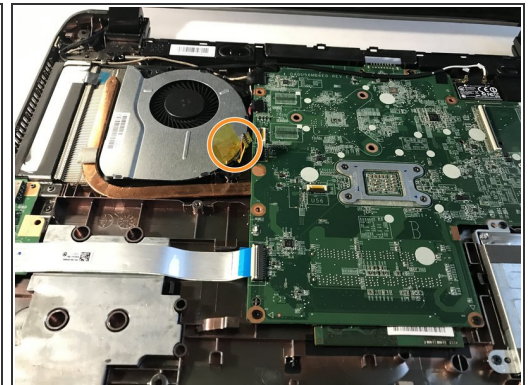
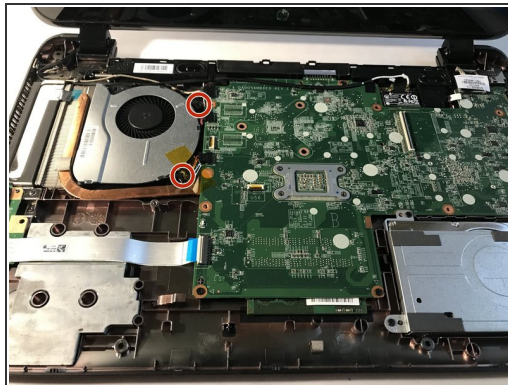
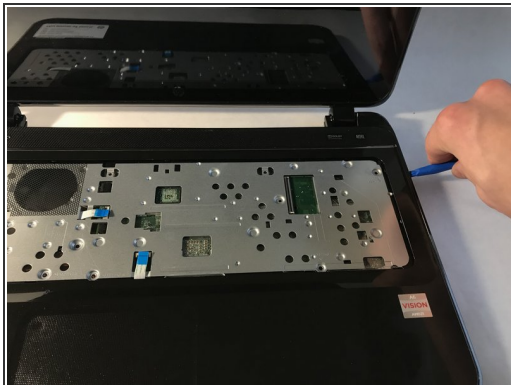
- Disconnect the keyboard cable from the motherboard by detaching the *Zero Insertion Force* connector.
- *i* To detach the connector, release by lifting the black plastic tab up.

Step 11 — Fan



- Using a JIS #1 screwdriver, remove the five 5mm screws.
- Detach the power button cable.
- Detach the touch pad cable.

Step 12



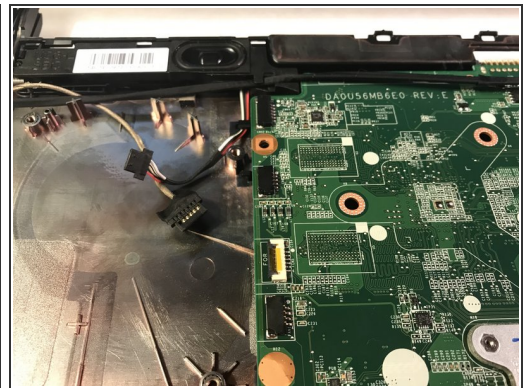
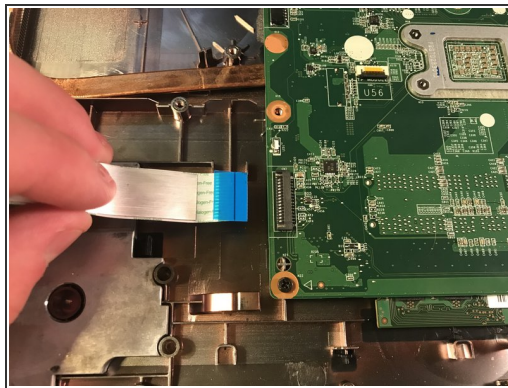
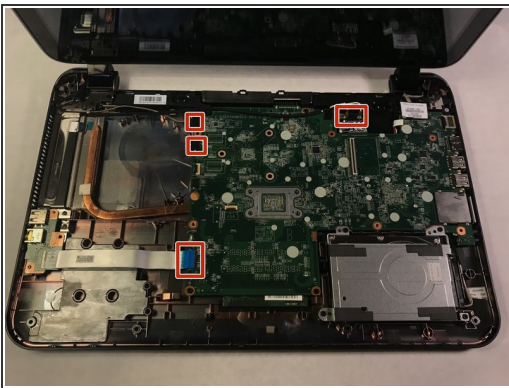
- Using a plastic opening tool, pry open the top cover.
 - Unscrew the two 5 mm screws using a JIS #1 screwdriver.
 - Gently, pull to detach the fan cable.
- ⚠ Be careful so you do not damage the motherboard.

Step 13



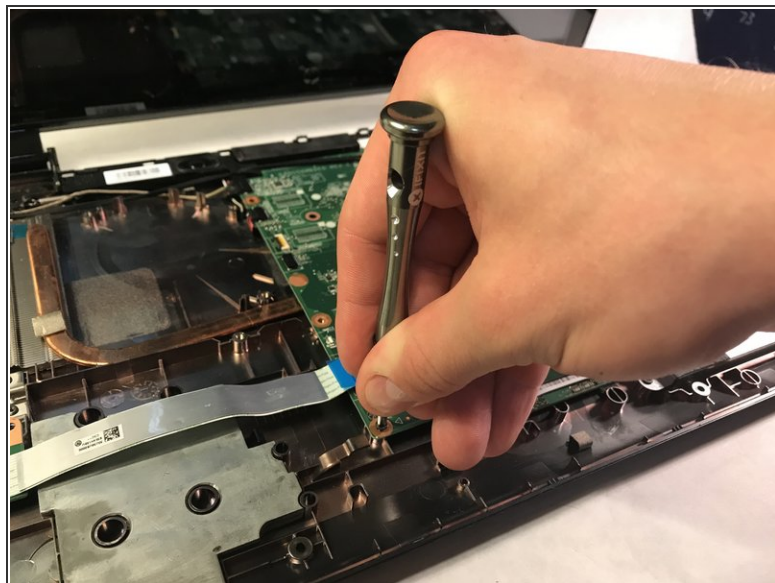
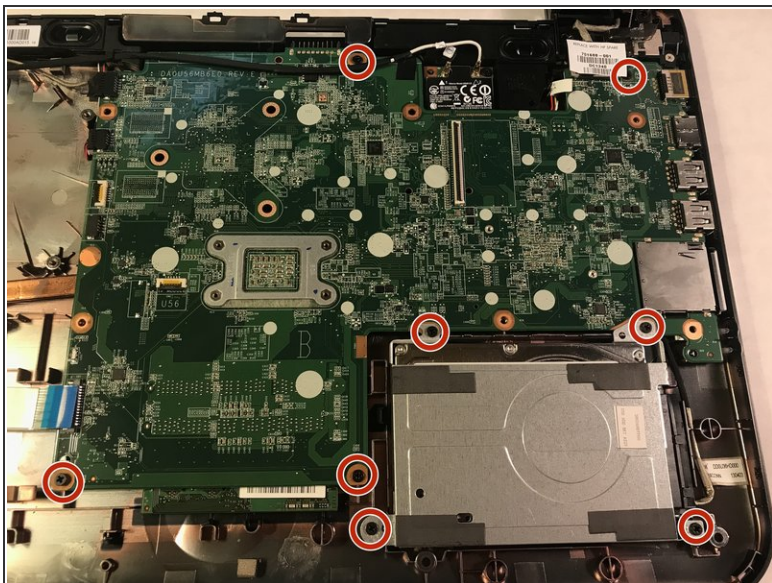
- Carefully remove the fan from its slot.

Step 14 — RAM



- Disconnect the cables to the motherboard.

Step 15



- Remove the eight 5 mm screws with the JIS #1 screwdriver.

Step 16



- Remove the hard drive.

Step 17



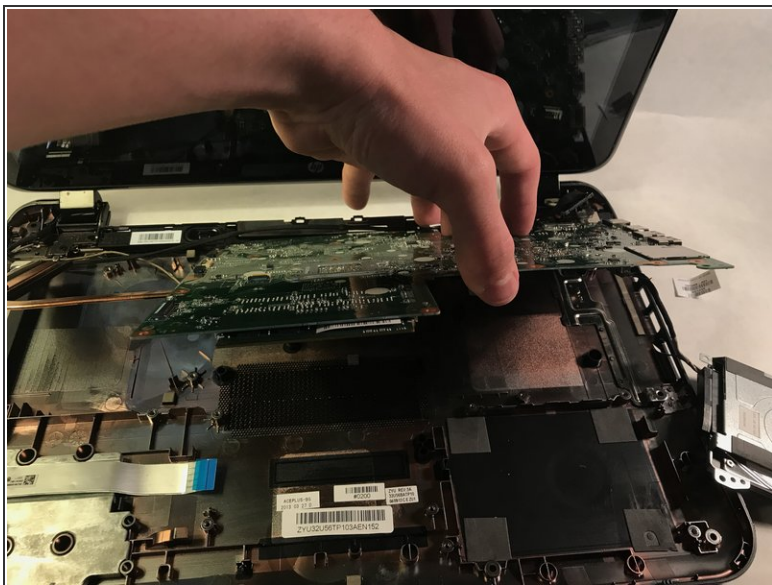
- Unclip the WLAN cable out of its place to allow the motherboard room to move.

Step 18



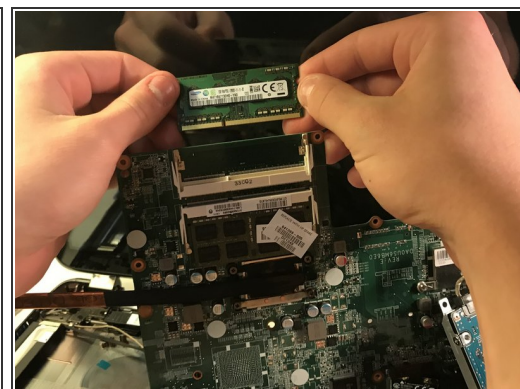
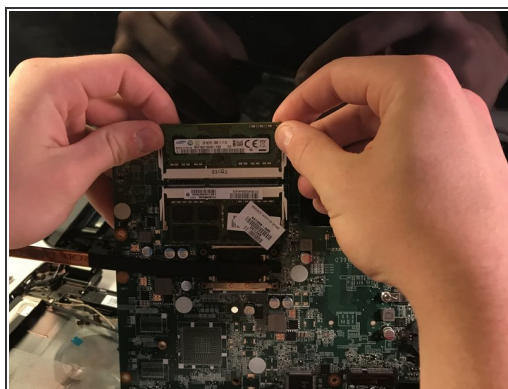
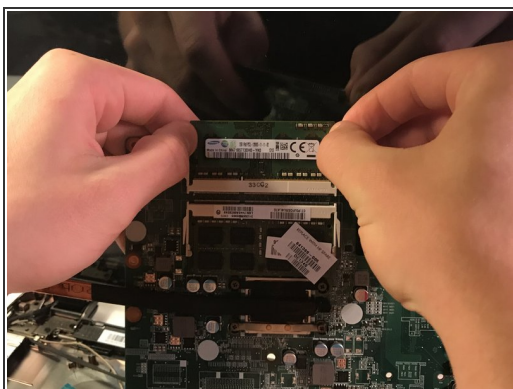
- Detach the power connector cable.

Step 19



- Lift up the motherboard from the bottom side of the device.

Step 20



- Using your thumbs, push out on the bracket.
- When the memory module feels loose, pull up on the module.

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