



# HP Pavilion 17-f004dx RAM Replacement

This guide will show you how to replace your device's RAM module.

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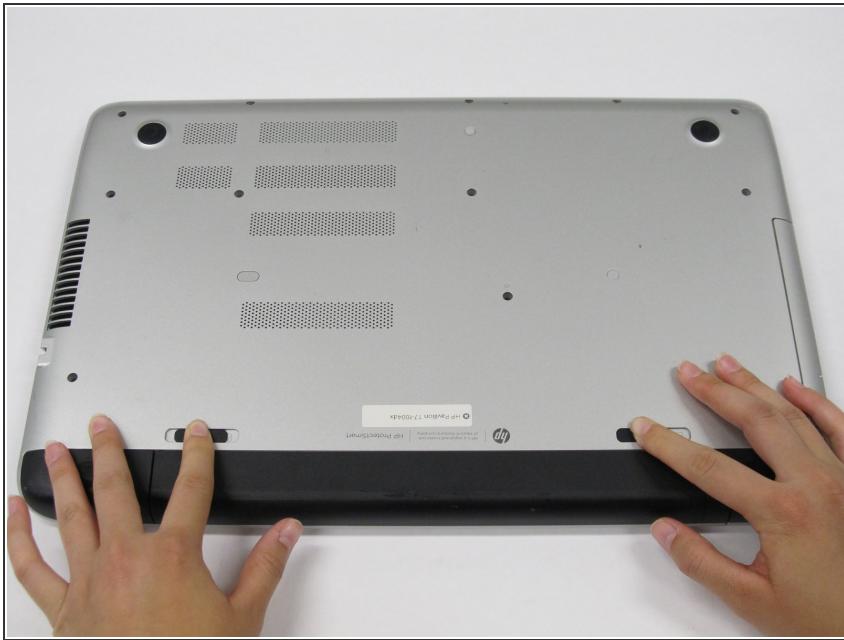
## INTRODUCTION

This model's RAM is located in an unusual place, underneath the motherboard. The motherboard must first be carefully lifted before you can access the RAM.

### TOOLS:

- Metal Spudger (1)
- Phillips #0 Screwdriver (1)
- Phillips #1 Screwdriver (1)
- iFixit Opening Tools (1)

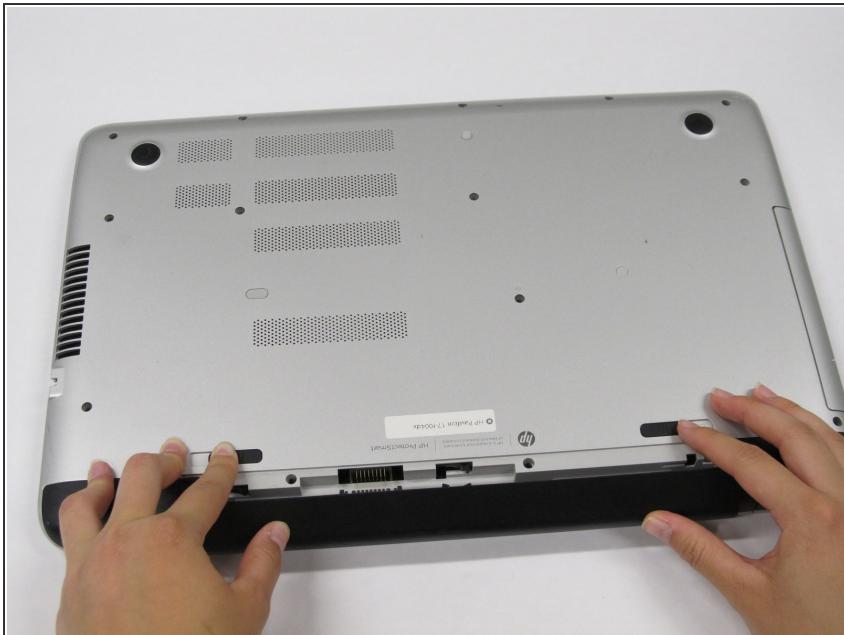
## Step 1 — Battery



! Before you remove the battery, make sure the laptop is powered off.

- Slide the black battery latches inward to remove the battery.

## Step 2



- Pull the battery out towards you while your fingers are still holding the latches in place.

## Step 3 — CD Drive



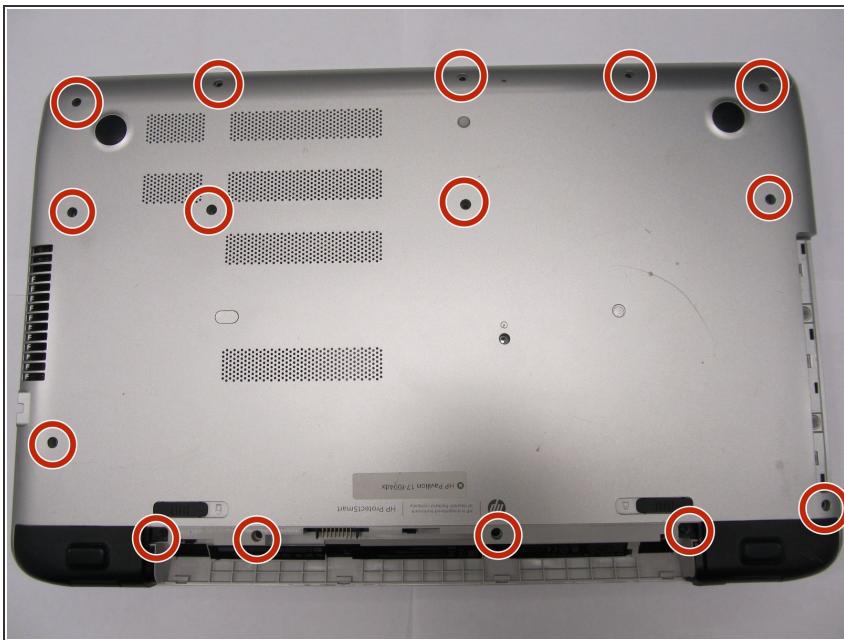
- Remove one 7 mm screw with a Phillips #1 screwdriver.

## Step 4



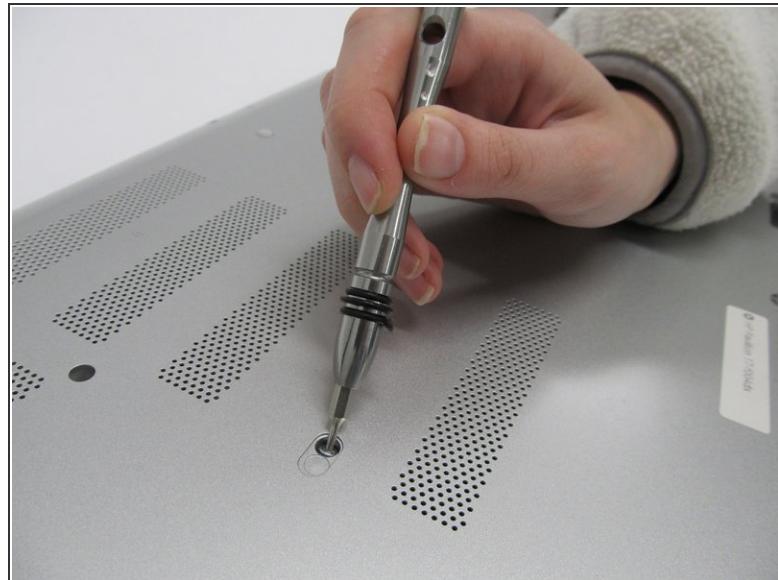
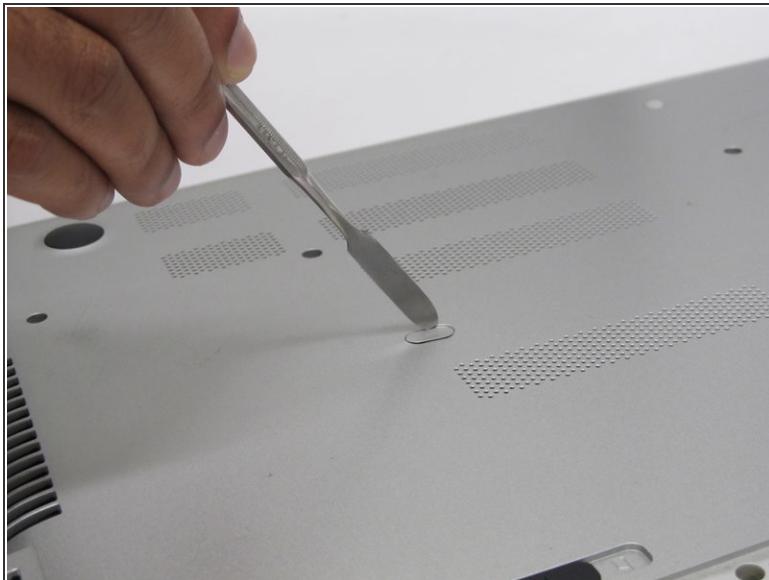
- Use a metal spudger to push the CD drive out of its slot for removal.

## Step 5 — Front Panel



- Remove fifteen 7 mm screws with a Phillips #1 screwdriver.

## Step 6



- Remove the thin plastic cover using the flat metal spudger to expose another screw.
- Remove one 7 mm screw with a Phillips #0 screwdriver.

## Step 7



- Use a metal spudger to remove the rubber "feet" to expose two screws.

## Step 8



- Underneath each rubber foot, there is a screw.
- Use the Phillips #1 screwdriver to remove a 4.8 mm screw on each side.

## Step 9



- Remove the two black end caps to expose more screws.

*(i)* The end caps will require some force to remove.

## Step 10



- Remove the following six screws with a Phillips #1 screwdriver:
  - Two 7 mm screws.
  - Two 7 mm screws.
  - Two 4.8 mm screws.

## Step 11



- Remove two 2.4 mm broadhead screws from the CD Drive bay with a Phillips #0 screwdriver.

## Step 12



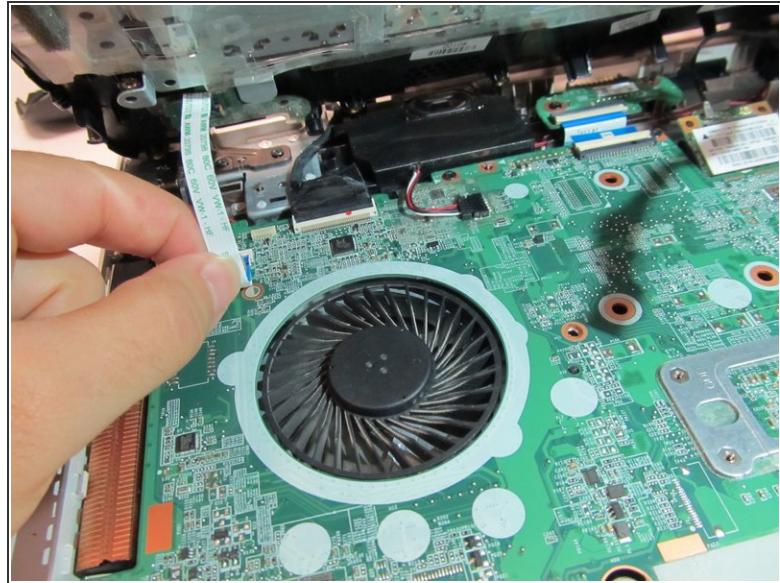
- Flip the laptop back over. Then, with the laptop open, move the plastic prying tool around the top cover to pry it from the enclosure.

## Step 13



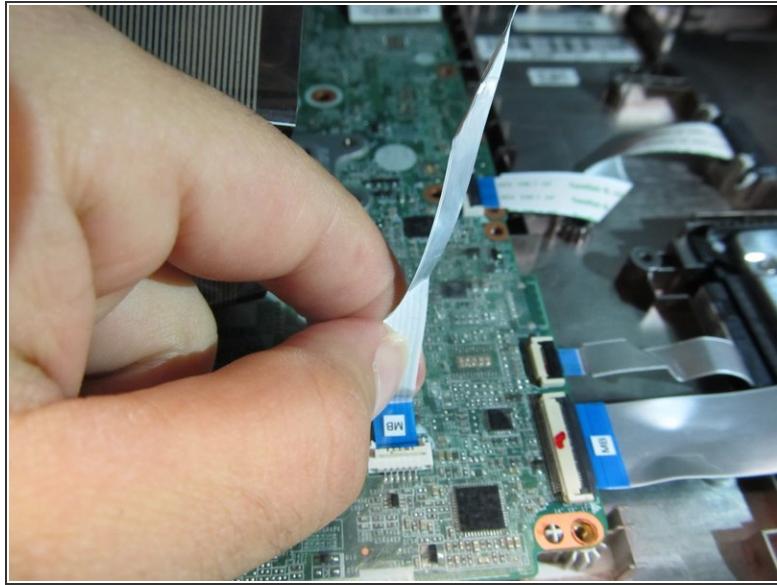
- Partially lift the top cover from the enclosure.

## Step 14



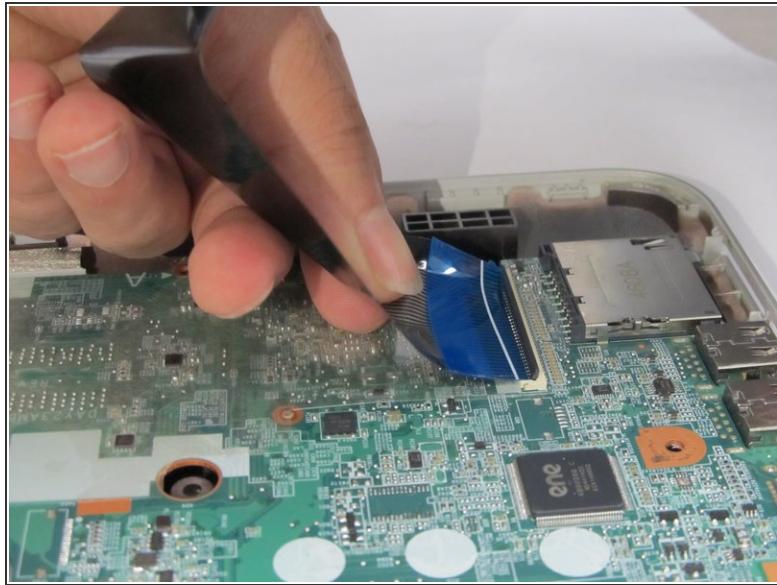
- Remove the ribbon connecting the power button to the motherboard.

## Step 15



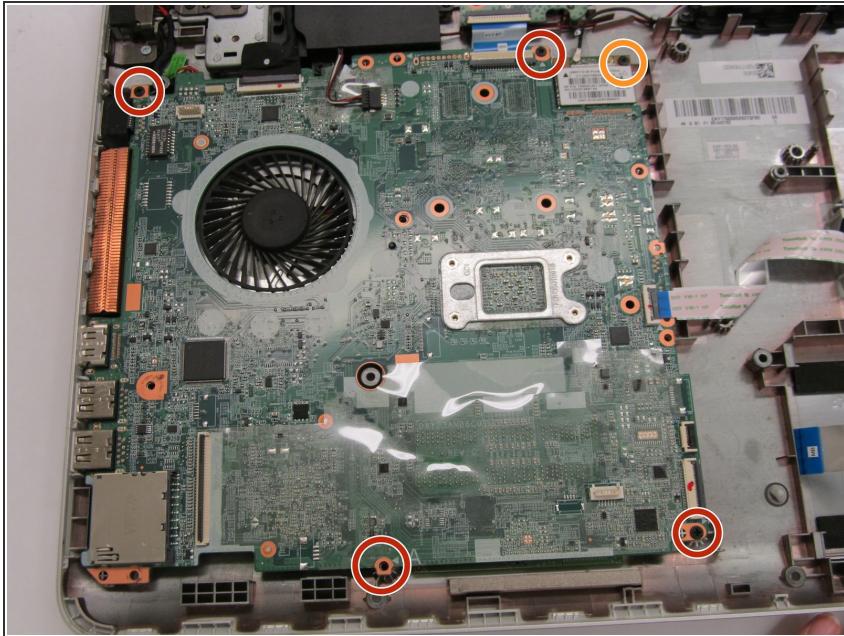
- Remove the ribbon connecting the mousepad to the motherboard.

## Step 16



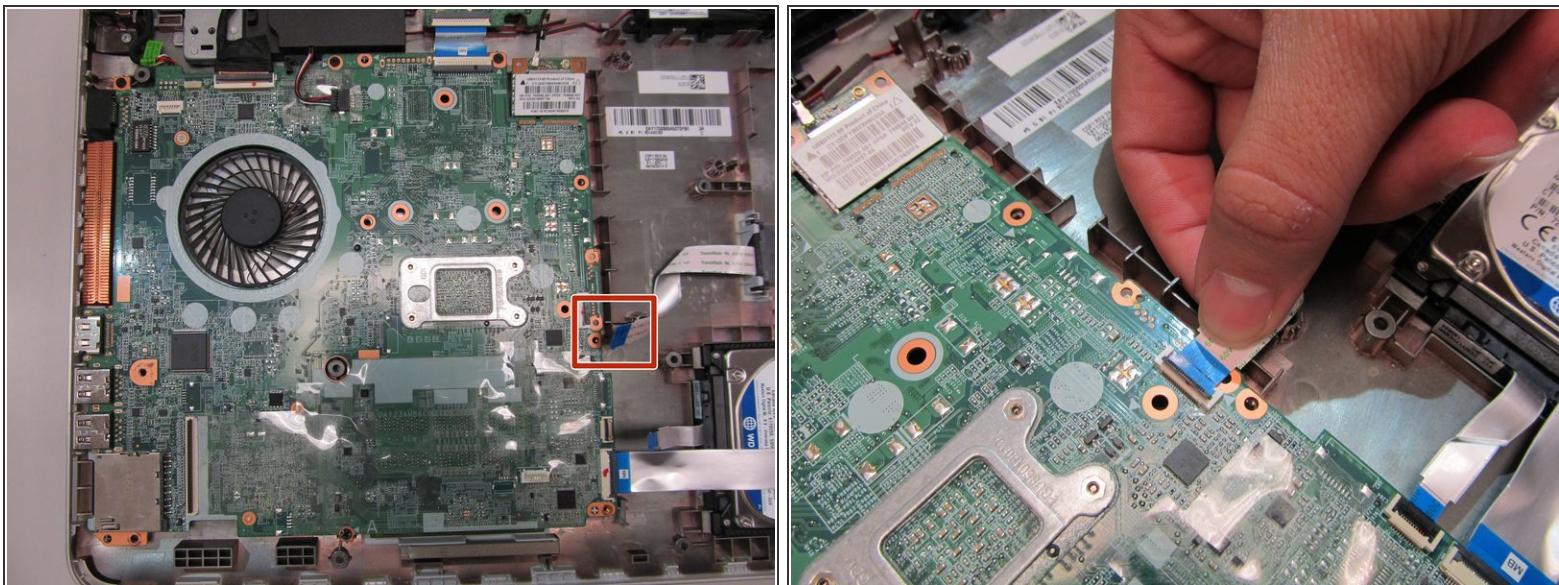
- Remove the ribbon connecting the keyboard to the motherboard.
- You may now fully lift the front panel from the rest of the laptop.

## Step 17 — RAM



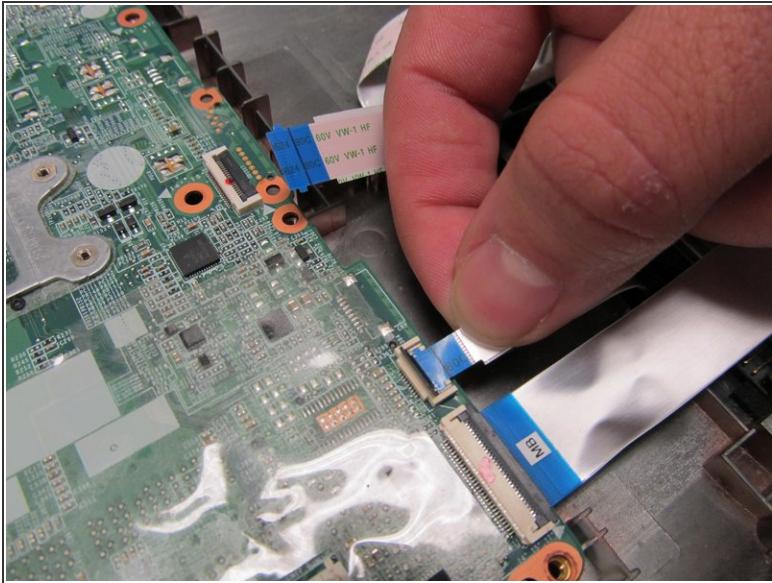
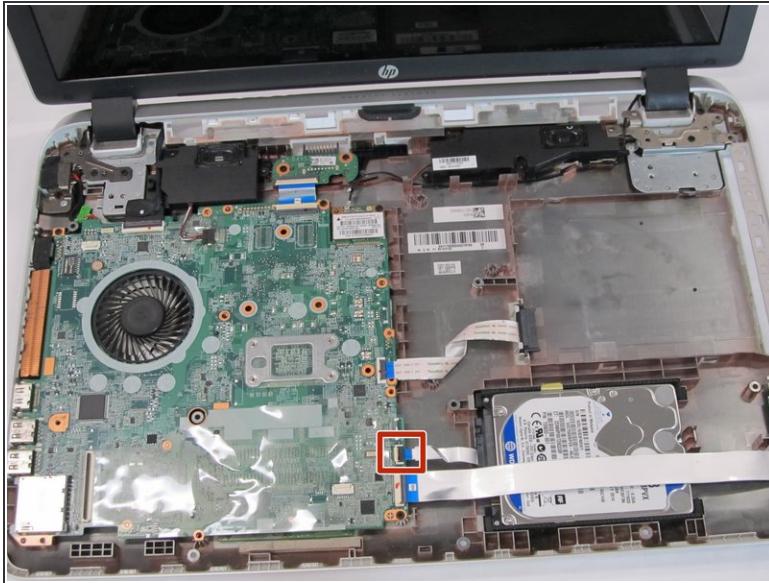
- Remove four 5.6 mm screws with a Phillips 1 screwdriver.
- Remove one 3 mm screw with a Phillips 1 screwdriver.

## Step 18



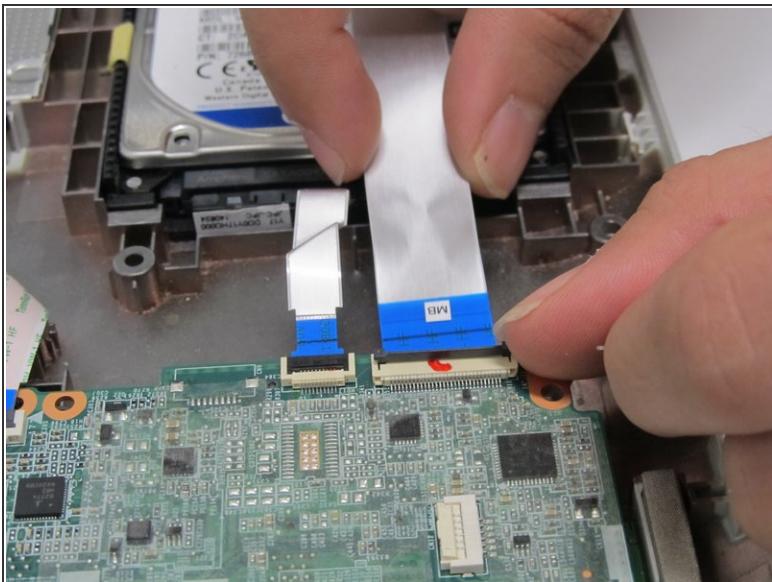
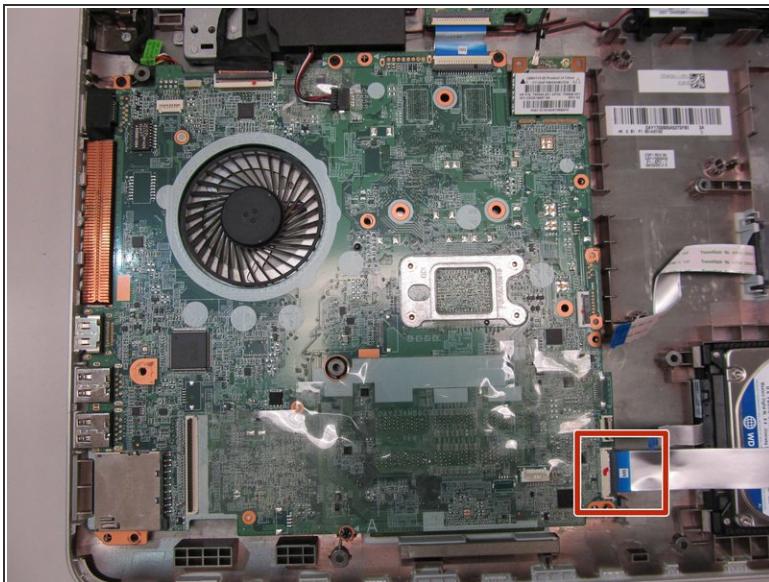
- Remove the ribbon connecting the optical drive bay to the motherboard.

## Step 19



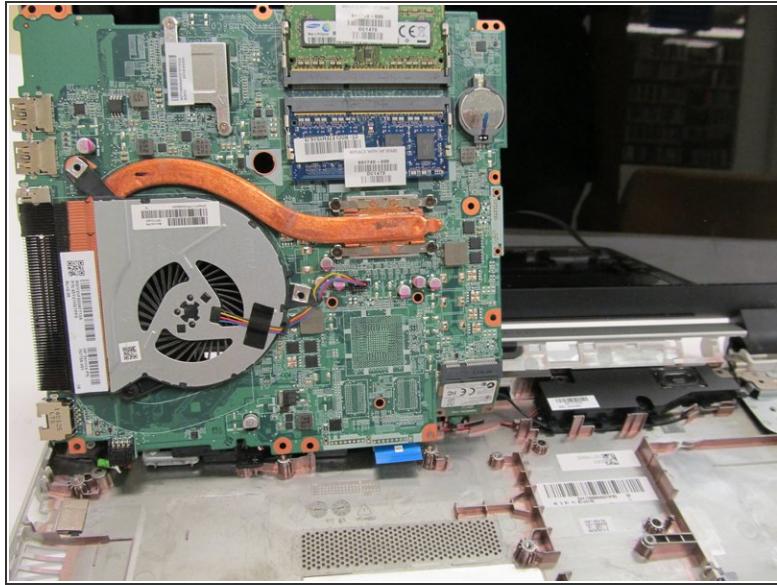
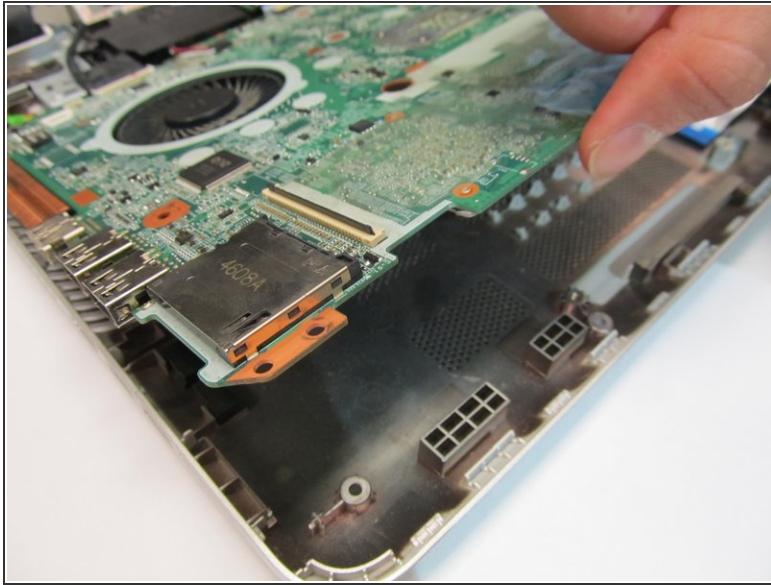
- Remove the ribbon connecting the hard drive to the motherboard.

## Step 20



- Disconnect the ribbon from the motherboard that passes over the hard drive.

## Step 21



*(i)* There are still cables between the motherboard and the laptop.

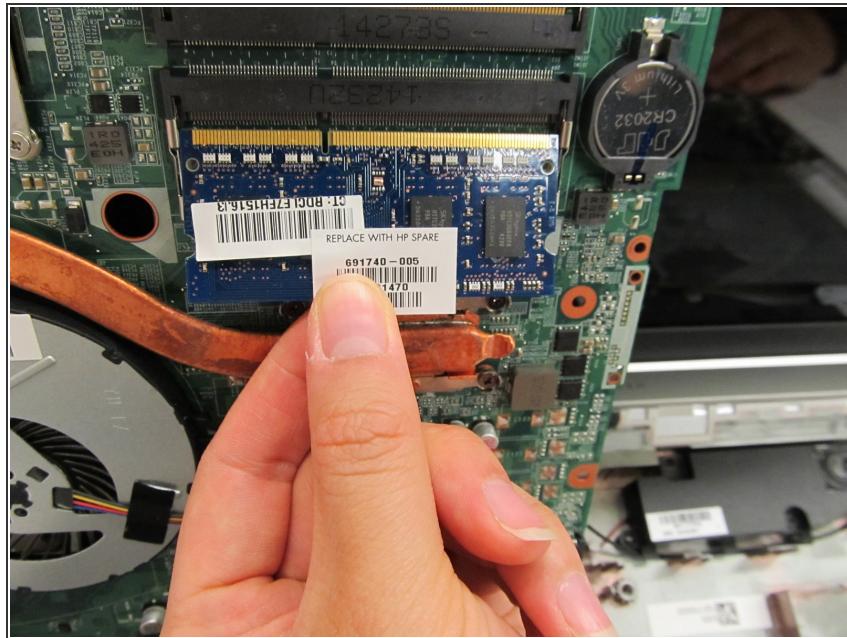
- Carefully lift the motherboard and lean it against the screen.

## Step 22



- The motherboard has two slots for the RAM. The process for removing each one is the same
- Pull the metal tabs away from the RAM.

## Step 23



- ⚠ Do not touch the circuits on the RAM. Only hold the RAM by its edges.
- Gently remove the RAM from its slot.

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