



# HP Pavilion dm4 Motherboard Replacement

This guide teaches you how to replace the motherboard in an HP Pavilion dm4.

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## INTRODUCTION

Outline what you are going to teach someone how to do.

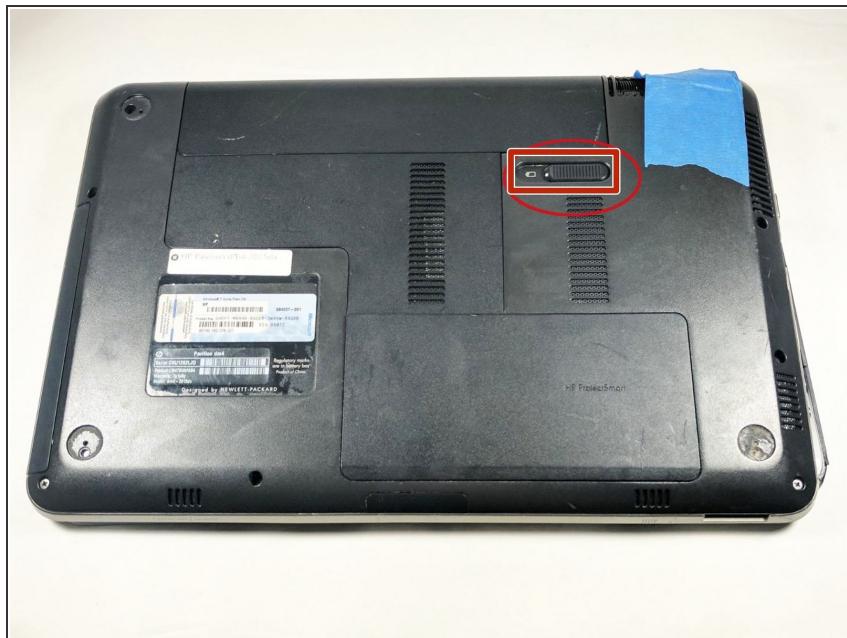
### TOOLS:

- 64 Bit Driver Kit (1)
- iFixit Opening Tools (1)

### PARTS:

- HP MU09XL Replacement Laptop Battery (1)

## Step 1 — Battery



- Locate the lock switch on the bottom of the computer.

## Step 2



- Slide the lock until you feel it unlatch the battery.

## Step 3



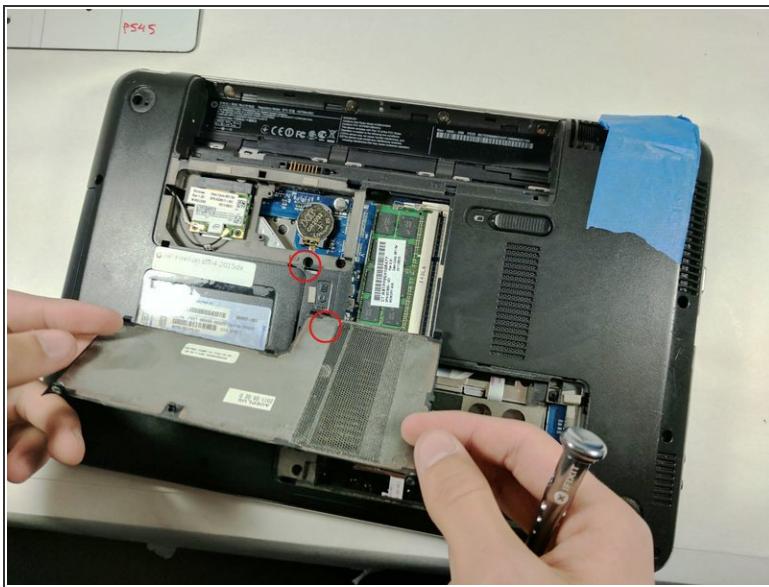
- Remove the battery

## Step 4 — Keyboard



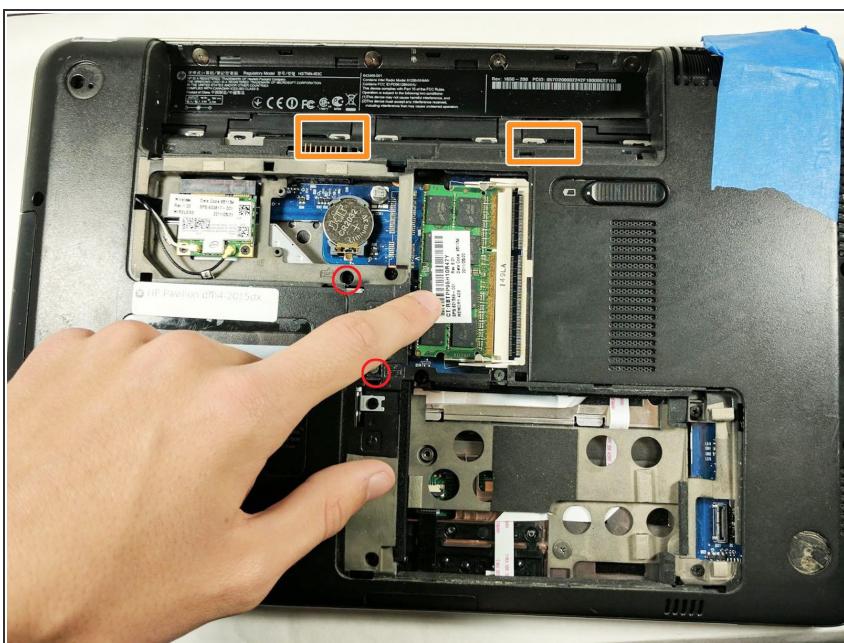
- Turn off the device, disconnect it from all power, and remove the battery.
- Remove 2 screws securing the memory cover, then remove the cover.

## Step 5



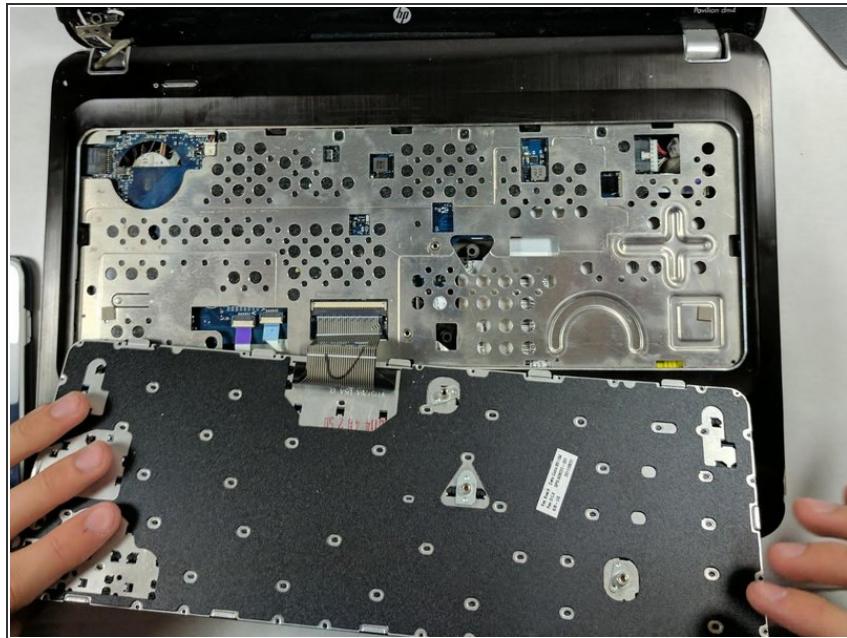
- Remove the 2 screws securing the hardware cover, then remove the cover.
- Remove the 2 screws securing the hard drive cover, then remove the cover.

## Step 6



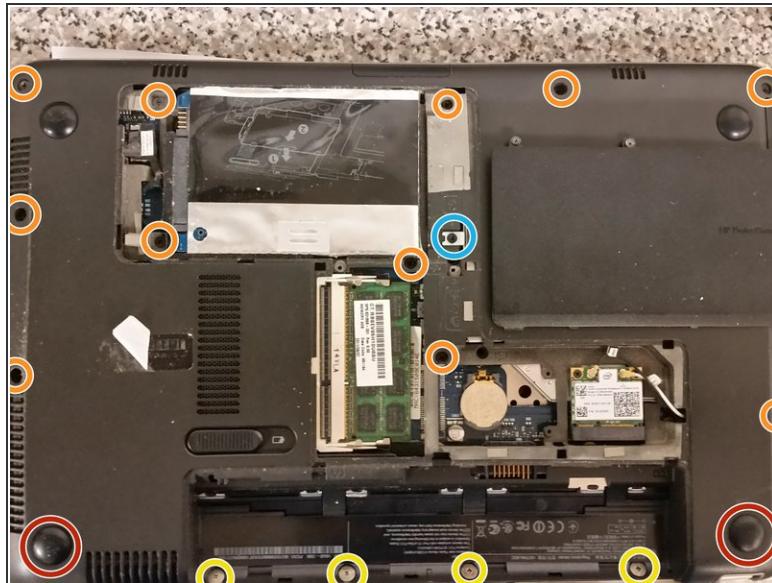
- Remove the screws (as shown in pic), these two screws secure the HP keyboard.
- Make sure to use a flathead screwdriver or a similar tool to release the two keyboard tabs.

## Step 7



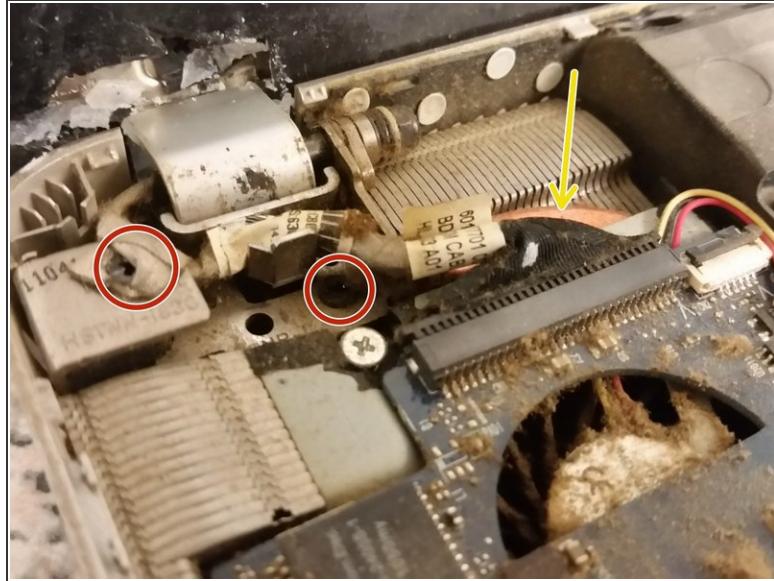
- Turn the device right-side up and pull the keyboard frame upward. Make sure to use a flathead screwdriver or similar tool to pry the keyboard from the frame.
- Locate and remove the lockdown cable and unlock the keyboard cables.
- Slide out the keyboard cable and install a new HP Pavilion DM4 keyboard.

## Step 8 — Remove palmrest



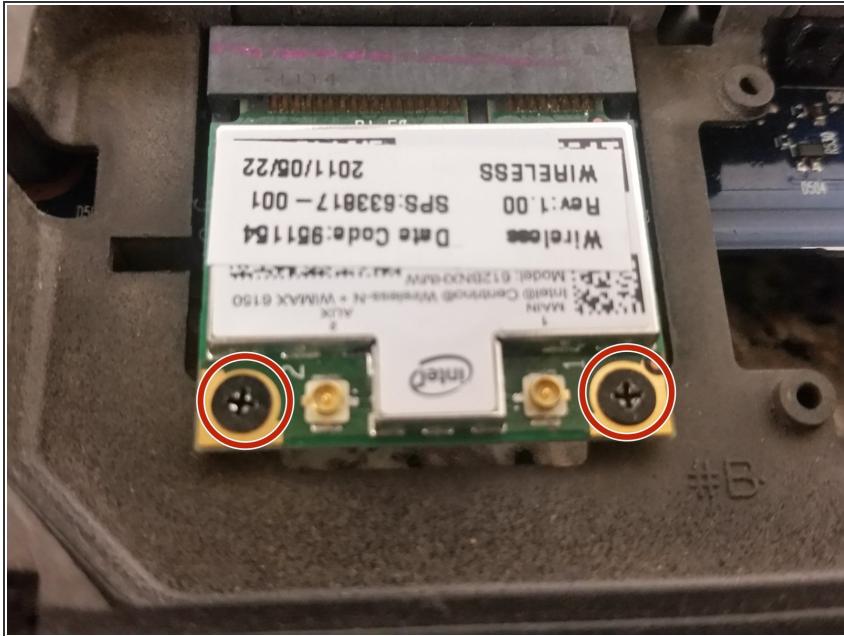
- Now that we're done removing the battery, the covers, and the keyboard, we must remove the palmrest.
- Flip the laptop bottom-up. Pry the two rear rubber feet off with a small flathead screwdriver, and remove the two same-size Philips screws under them.
- Remove the 11 same-sized Philips screws.
- Remove the single shorter Philips screw securing the disc drive, and slide the disc drive out.
- Remove 4 more Philips screws, these being differently sized.
- Remove the hard drive by pulling on the caddy tab, pull on the connector on the motherboard, and set the drive aside. Remove any screws you see from behind where the hard drive was. **Also unplug the wireless antenna connectors.**
- Flip the laptop normally, open the screen, and remove the power touchpad and fingerprint reader cables from the motherboard.
- Remove the three remaining screws holding the palmrest. Use a guitar pick to separate the palmrest from the base, and then slowly lift the palmrest to reveal the power button cable. Remove it, and then put the palmrest aside. Whew!

## Step 9



- Remove the two smaller Philips screws securing the left hinge to the base.
- Repeat the same for the right hinge.
- Unplug the LCD cable connector.
- Lift the assembly away from the base. You're done!

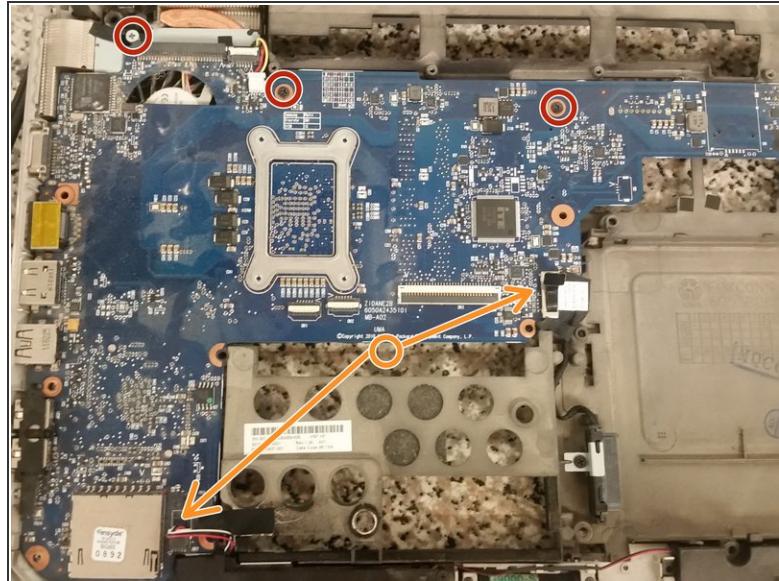
## Step 10 — Remove wireless card



*(i)* The wireless card must be removed in order to remove the motherboard.

- Remove the two screws securing the wireless card.
- The wireless card will then lift upwards. Pull it at its angle.

## Step 11 — Remove motherboard



- Unlock the USB connection connector (redundantly redundant), and then disconnect it.
- This will reveal a screw, which must then be removed.
- Disconnect the DC jack as well.
- Remove the three screws securing the motherboard to the base.
- Remove the two connections, that being the speaker and the optical drive connectors.
- Lift the motherboard out. You're done!

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