



HP 15-f009wm Motherboard Replacement

This guide explains how to remove the...

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INTRODUCTION

This guide explains how to remove the Motherboard from the HP 15-f009wm notebook computer. This could be done to either replace a malfunctioning Motherboard or to upgrade to a stronger Motherboard.

TOOLS:

- [Phillips #1 Screwdriver](#) (1)
 - [iFixit Opening Tool](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
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Step 1 — Battery



- Turn laptop upside down.
- Flip the lock switch to the unlocked setting.

Step 2



- Flip the release switch.
- Once the flip is switched, the battery should pop out.

Step 3



- Slide the battery out.

Step 4 — RAM



- Remove the two Phillips #1 screws from the RAM panel.

Step 5



- Use the plastic opening tool to pop the panel off.

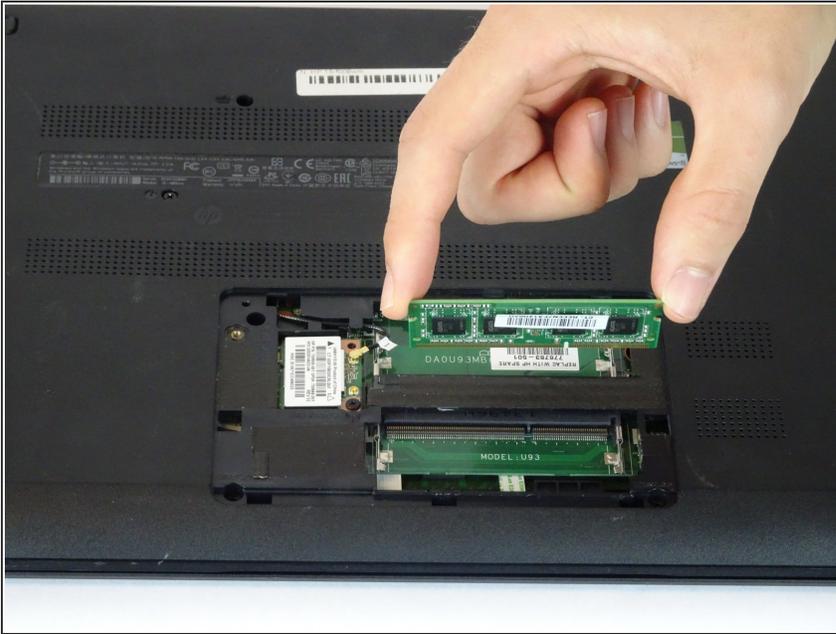
Step 6



- Release the tabs on each side of the chip by simultaneously pushing each tab away from the RAM.

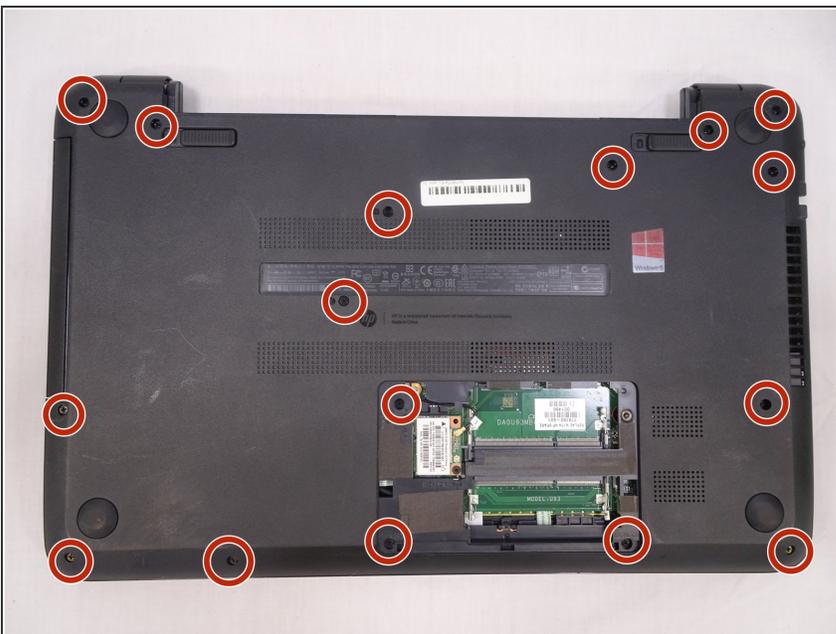
i These tabs lock the chip in place and releasing them will cause the chip to "pop" up.

Step 7



- Remove the RAM chip from the laptop.

Step 8 — Hard Drive



- Remove the sixteen 7mm Phillips #1 screws from the bottom panel.

Step 9



- Pull the disk drive out of the laptop.

Step 10



- Remove the three 2mm Phillips #00 screws found underneath the disk drive.

Step 11



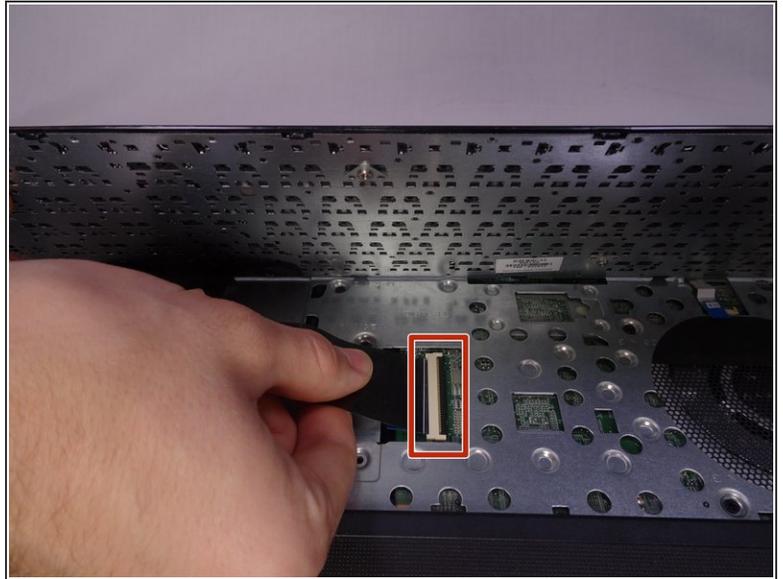
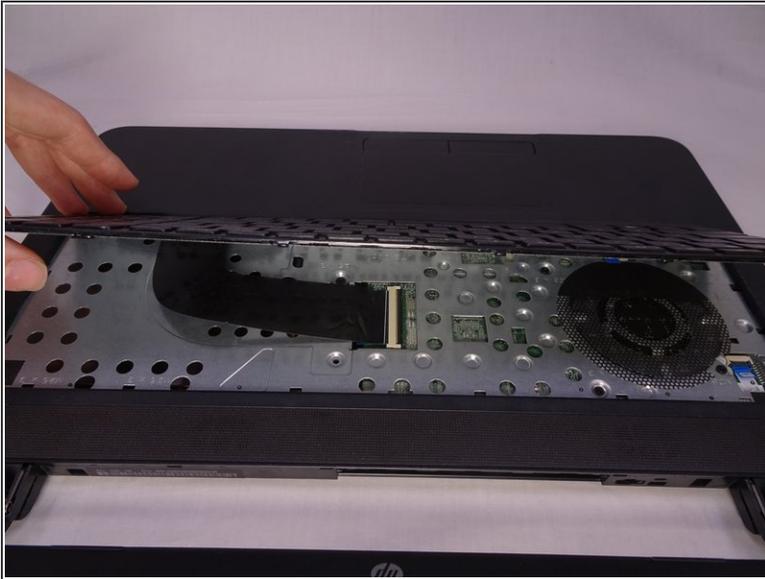
- Remove the single 4mm Phillips #1 screw from the Wi-Fi card.
- Pull the Wi-Fi card out of the motherboard.

Step 12



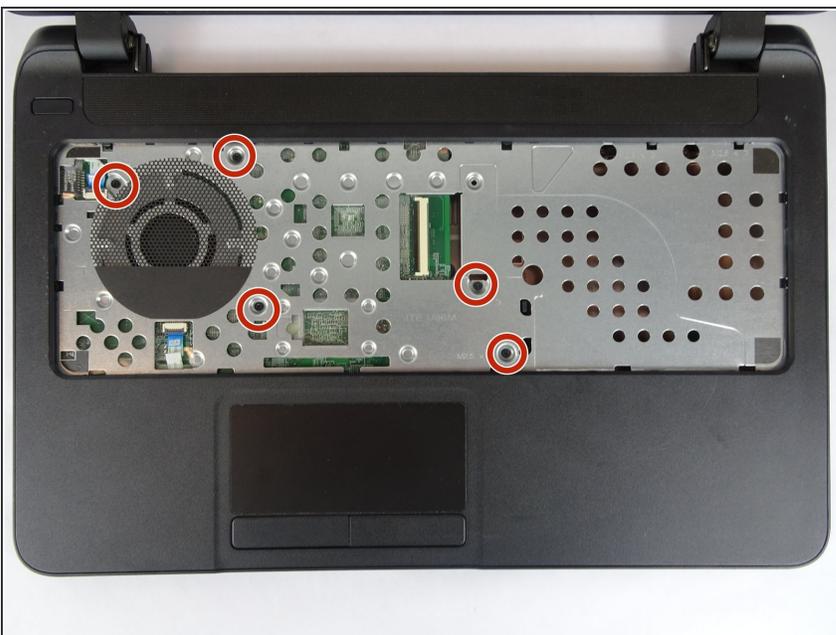
- Open the laptop.
- Use a plastic opening tool to pop out the keyboard by starting at the top and working your way around the perimeter.

Step 13



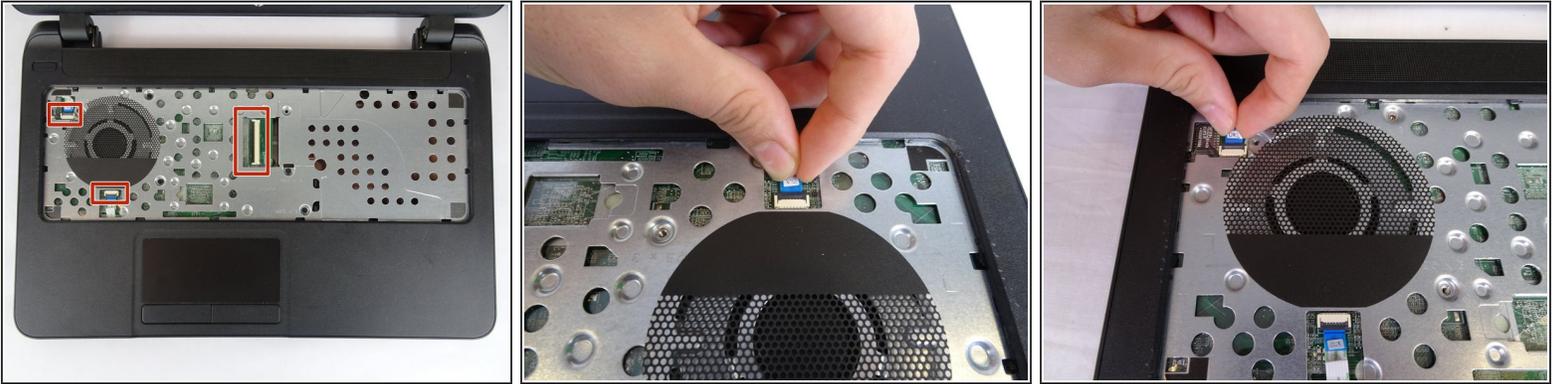
- Open the screen up until it lays flat and rotate the laptop until the screen is closest to you.
- Lift the keyboard from the laptop.
- Use a spudger to lift up the black latch on the ZIF connector and remove the ribbon cable.

Step 14



- Remove the five 7mm Phillips #1 screws found underneath the keyboard.

Step 15



- Use a spudger to lift the black tabs on the ZIF connectors.
- Remove the ribbon cables from the ZIF connectors.

Step 16



- Use a plastic opening tool to pop the palm rest off of the laptop.
- Lift and remove the palm rest.

Step 17



- Use a spudger to lift up the black latch on the ZIF connector.
- Remove the USB/AUX port ribbon cable from the ZIF connector on the motherboard.

Step 18



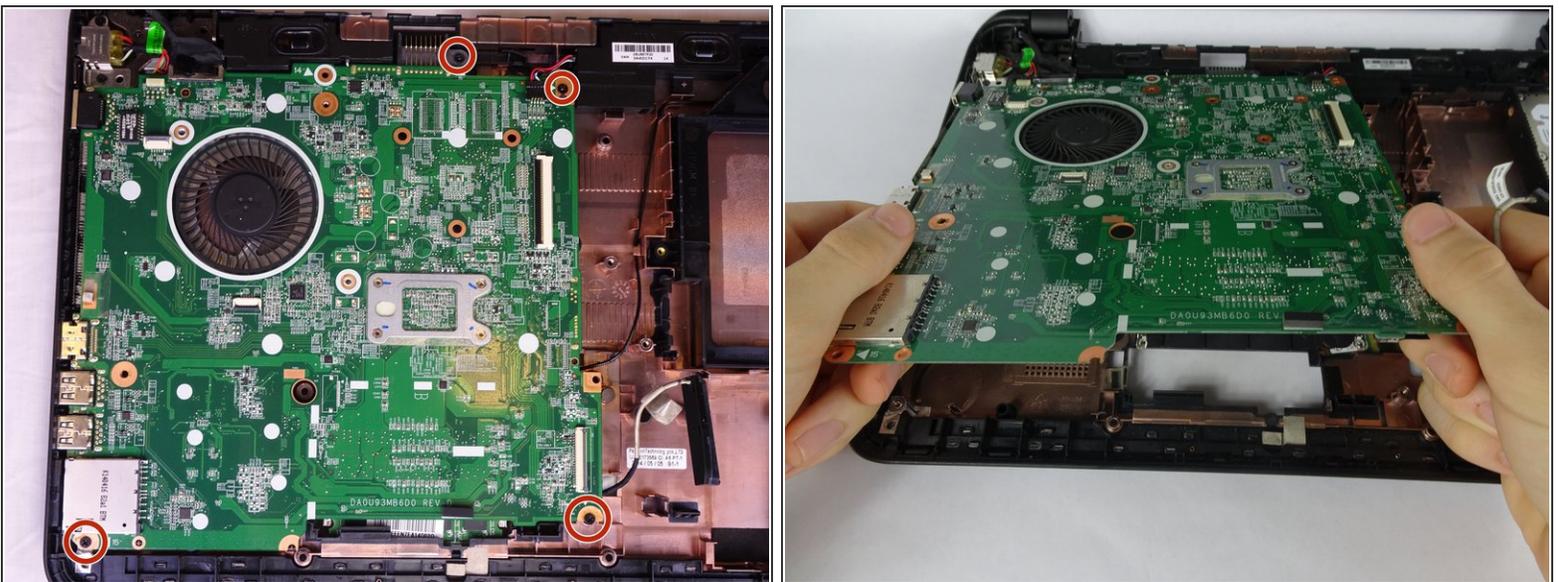
- Remove the single 7mm Phillips #1 screw from the USB/AUX board.
- Remove the USB/AUX board from the laptop.

Step 19



- Lift the Hard Drive from the laptop.
- Disconnect the hard drive from the motherboard.

Step 20 — Motherboard



- Remove the four 4mm Phillips #1 screws from the motherboard.
- Lift the motherboard up from the computer.
 - ⓘ There will be three wires connected underneath.

Step 21



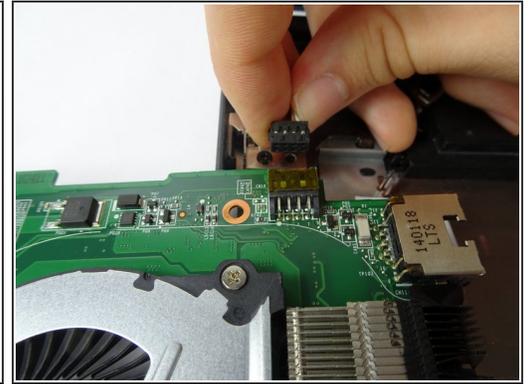
- Disconnect the speaker.

Step 22



- Remove the display connection wire. Lift the connection straight up from the motherboard.

Step 23



- Flip the motherboard over.
- Disconnect the charging port wire from the motherboard.

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