



HP Pavilion dv7t-7000 Heat Sink Replacement

A guide to remove and replace the heat sink in...

Written By: Eric Easley



INTRODUCTION

A guide to remove and replace the heat sink in the HP Pavilion dv7t-7000.

TOOLS:

[Spatule en métal](#) (1)

[Tournevis cruciforme #00](#) (1)

[Spudger \(spatule antistatique\)](#) (1)

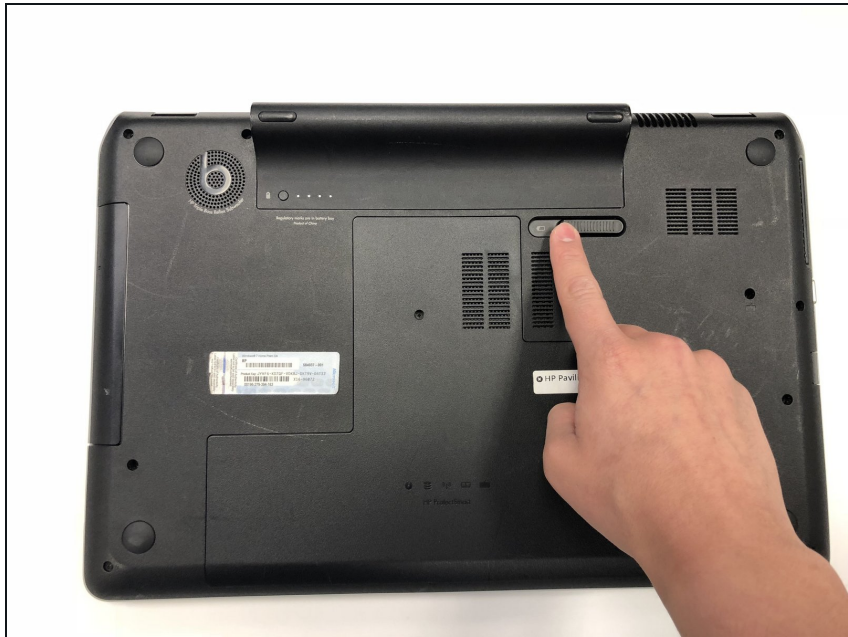
[Outil pour ouvrir iFixit](#) (1)

Step 1 — Battery



- Turn the computer off and disconnect it from all power sources.

Step 2



- Slide the battery release switch to the left.

Step 3



- Hold the release switch all of the way to the left and your other hand to pull the battery out.

Step 4 — Back Panel



- Unscrew the single Phillips #00 screw.
- ❗ Screw will not come out, it is connected to the panel

Step 5



- Remove service hatch by sliding away from the computer and lifting up.

Step 6 — CD Drive



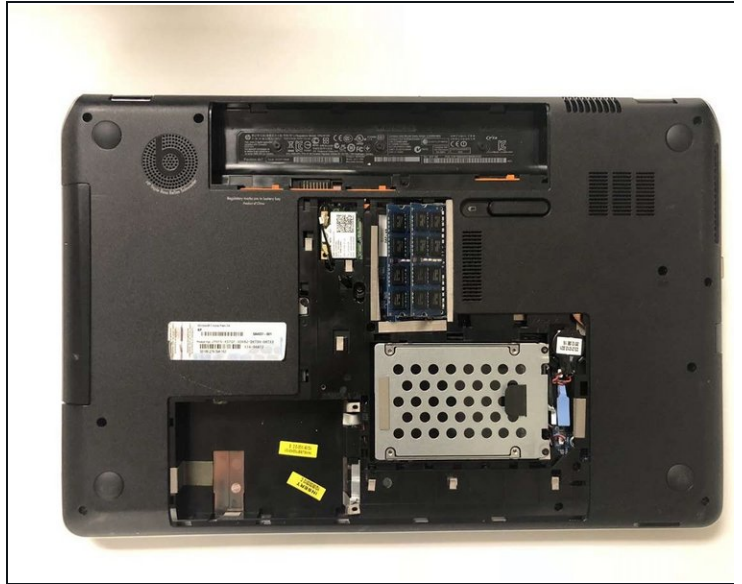
- Remove the single Phillips #00 screw.

Step 7



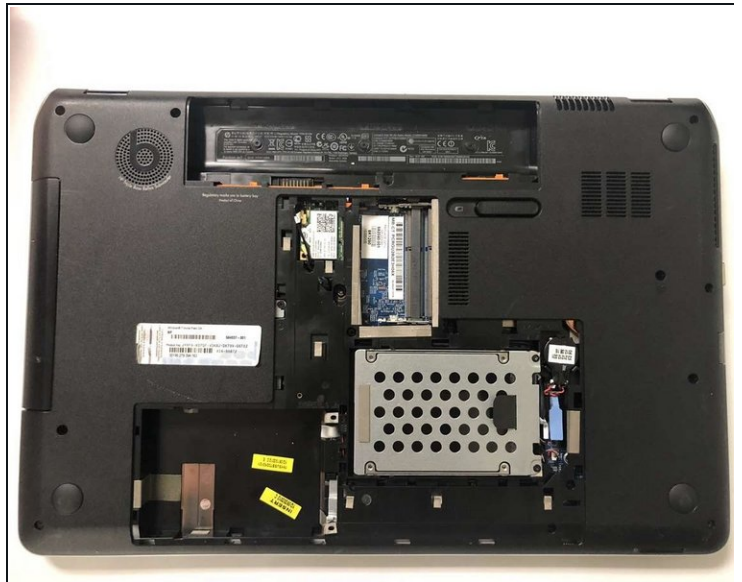
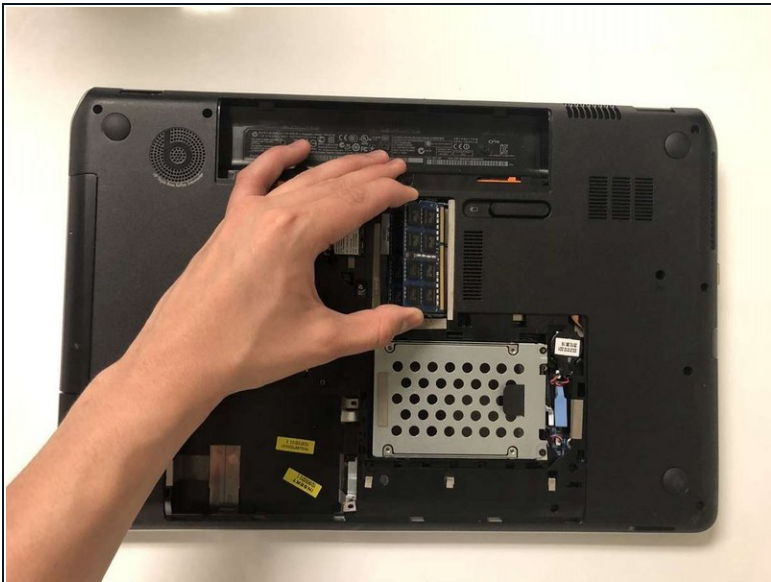
- Pull CD drive out to remove.

Step 8 — RAM



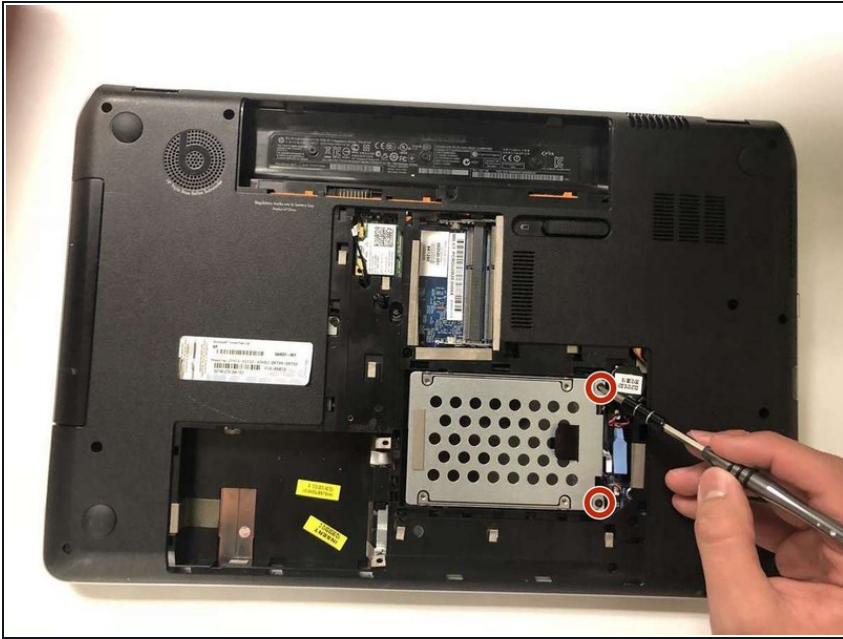
- Push the retraining springs away from the RAM at the same time to unlock the RAM.

Step 9



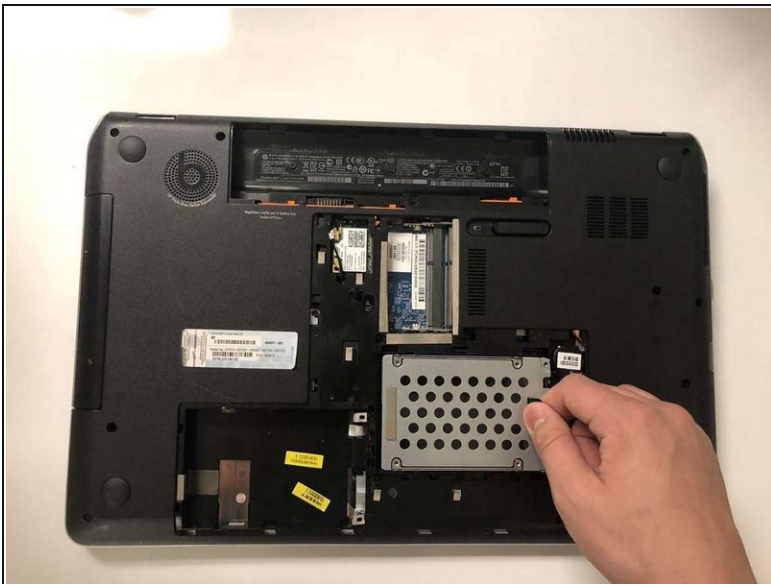
- Pull the RAM out.
- Follow the same procedure for the additional RAM.

Step 10 — Hard Drive



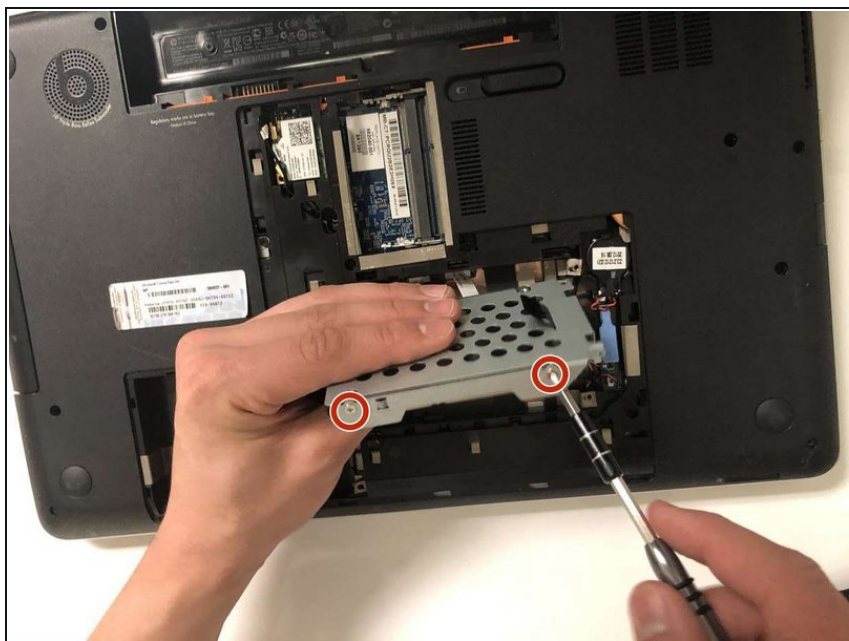
- Remove the two Phillips #00 screws holding in the hard drive.

Step 11



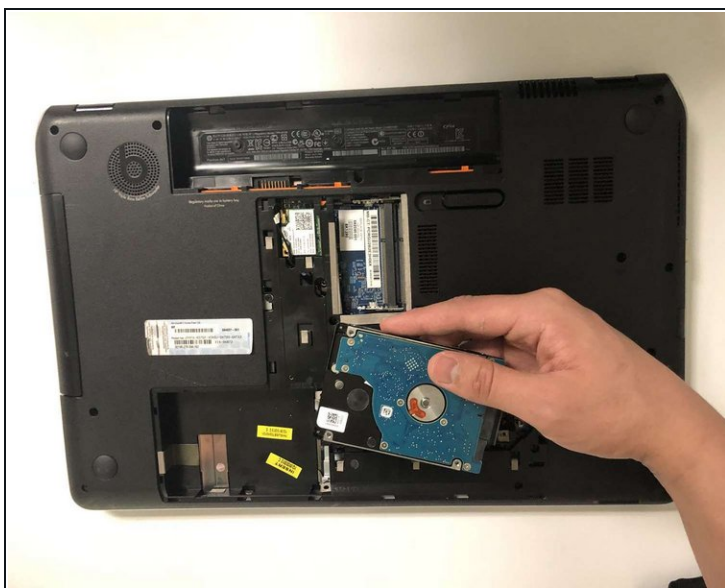
- Grab the black tab on the hard drive and pull left and then upwards to remove.

Step 12



- Remove the four Phillips #00 screws holding the hard drive to its case.

Step 13



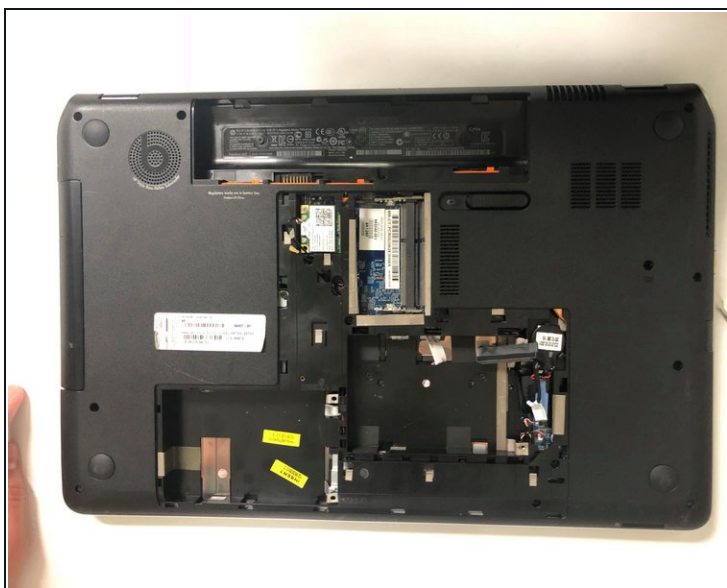
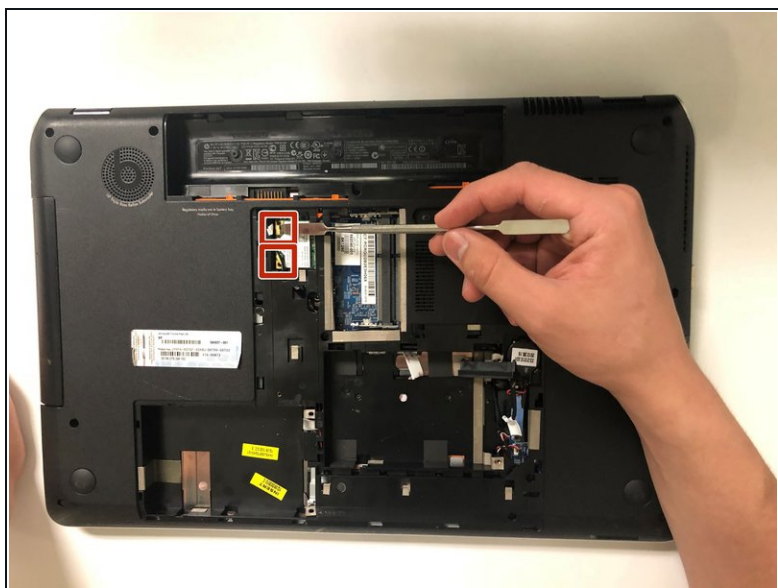
- Slide the casing off of the hard drive.

Step 14



- Unplug the hard drive from the device.

Step 15 — Wi-Fi Card



- Use the flat end of a spudger to pop off the antenna connectors.

Step 16



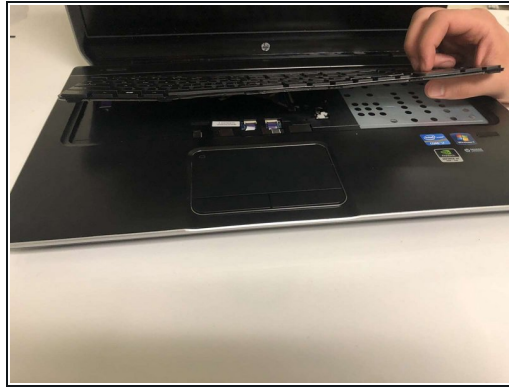
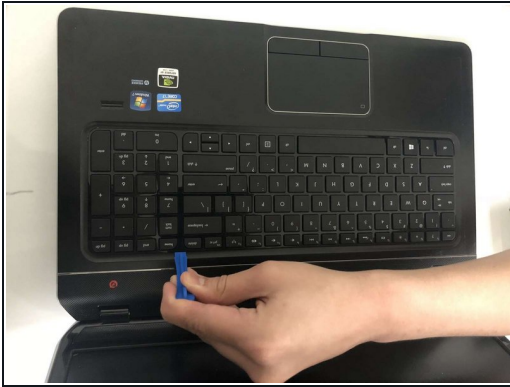
- Remove single Phillips #00 screw.
- Pull the card out by hand.

Step 17 — Keyboard



- Remove the single Phillips #00 screw.
- Flip the laptop over.

Step 18



- Wedge a spudger in between the keyboard and the upper bezel (nearest the screen).
- Pry upward to release the keyboard clips.

⚠ The keyboard is plugged into the motherboard, so be careful not to pull out while lifting keyboard.

Step 19



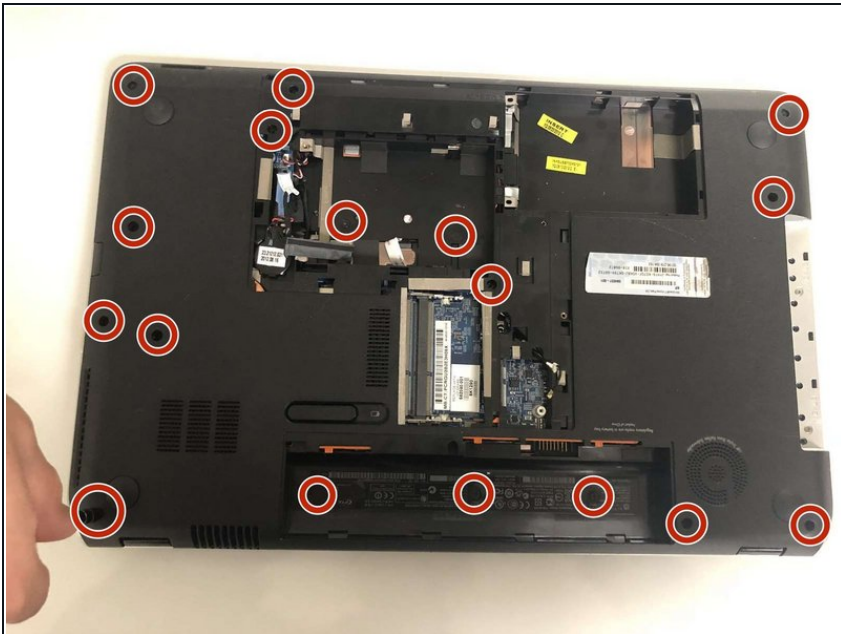
- Use the flat end of a spudger to flip up the black tab on the ZIF connectors.
- Pull the ribbon cables out of the ZIF connectors.
- Remove the keyboard.

Step 20 — Palm Rest



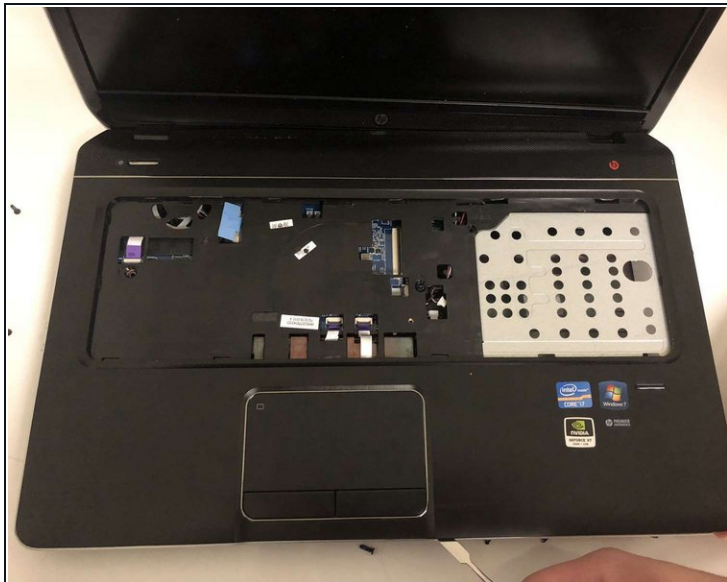
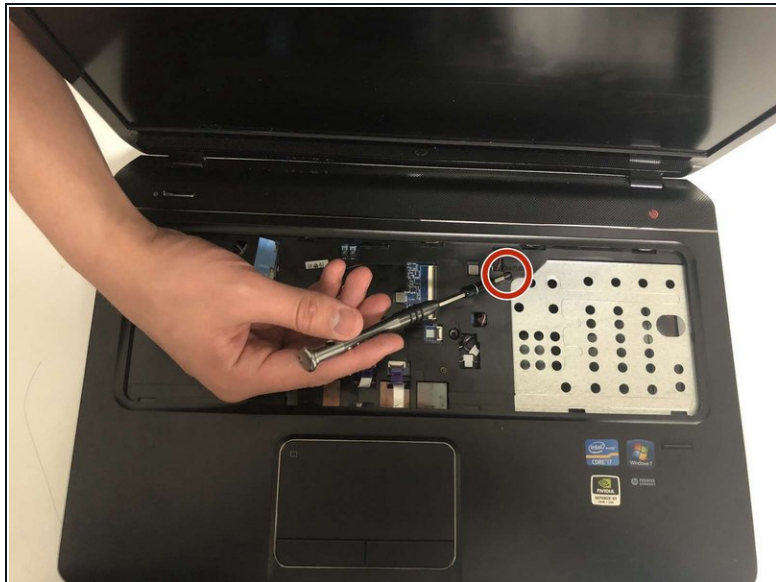
- Flip the keyboard back over.
- Remove the single Phillips #00 screw holding in the CD drive.
- Pull out the CD drive.

Step 21



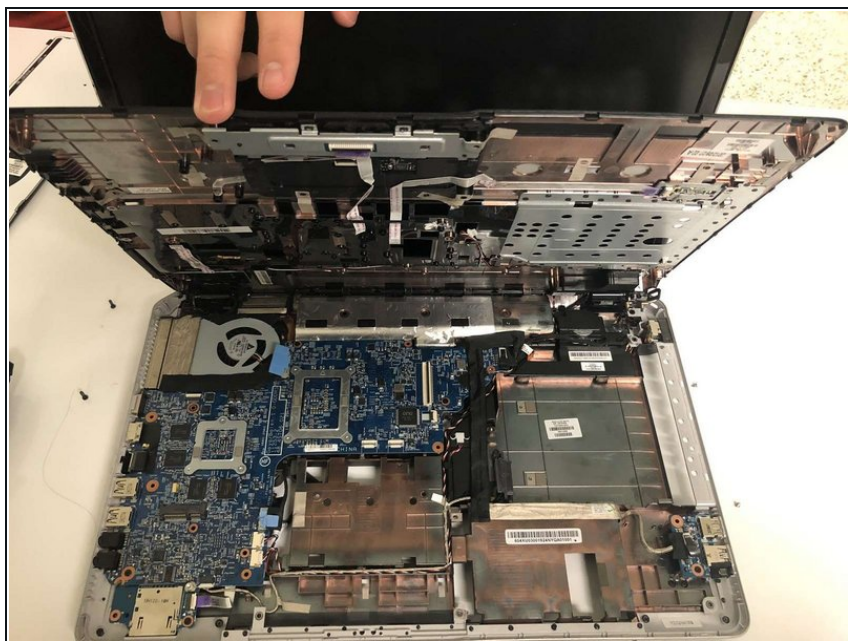
- Remove the seventeen Phillips #00 screws securing the back panel to the laptop.

Step 22



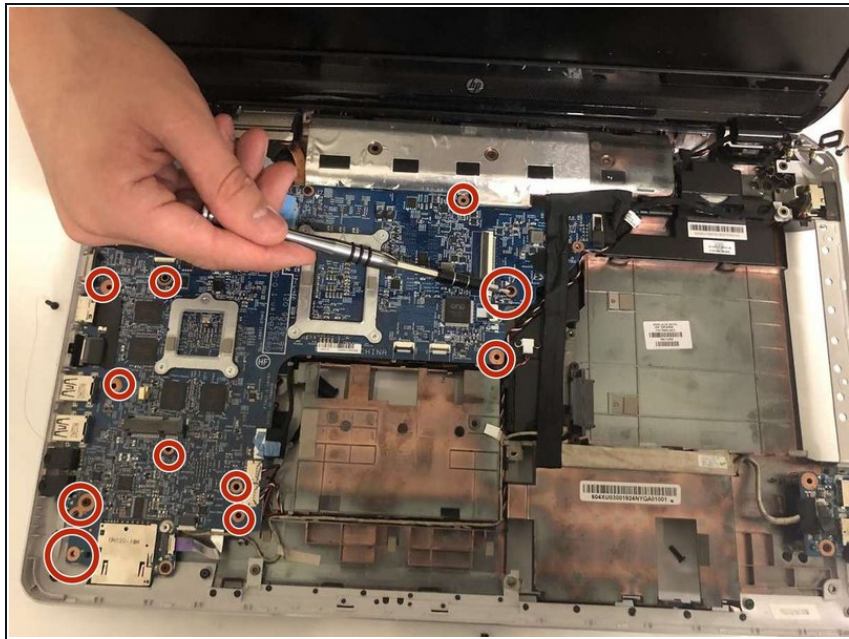
- Flip the laptop over.
- Remove the single Phillips #00 screw.

Step 23



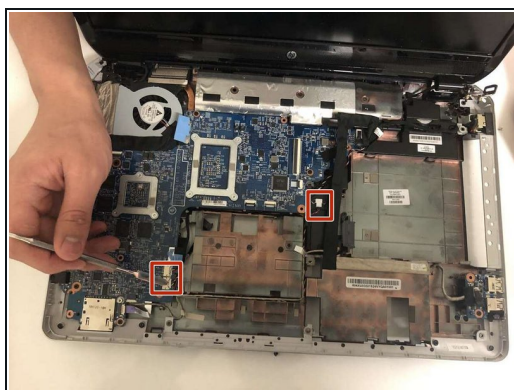
- Remove the panel by lifting it up.

Step 24 — Motherboard



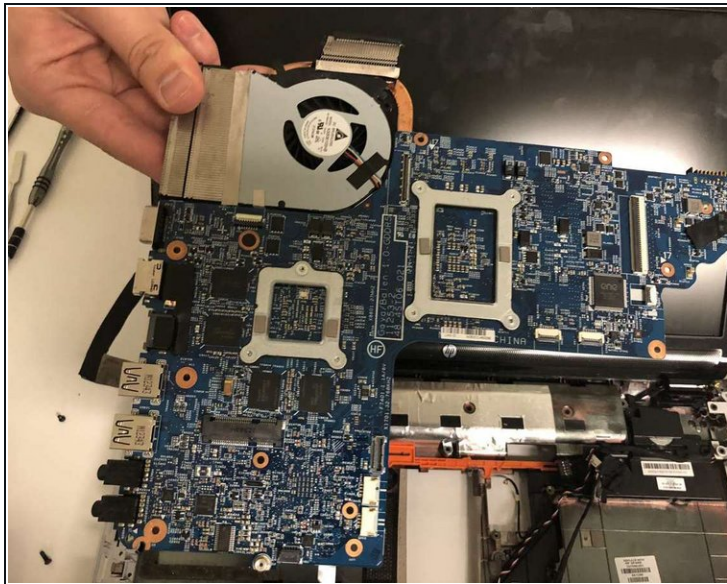
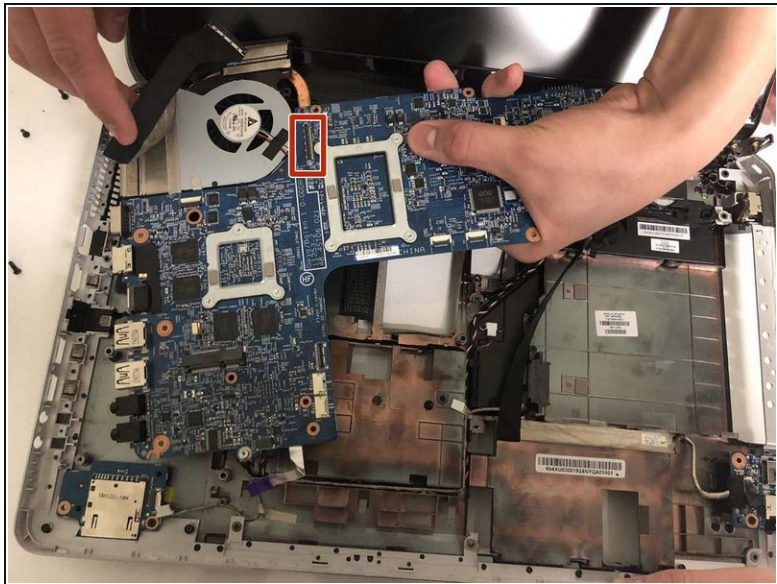
- Remove the eleven Phillips #00 screws.

Step 25



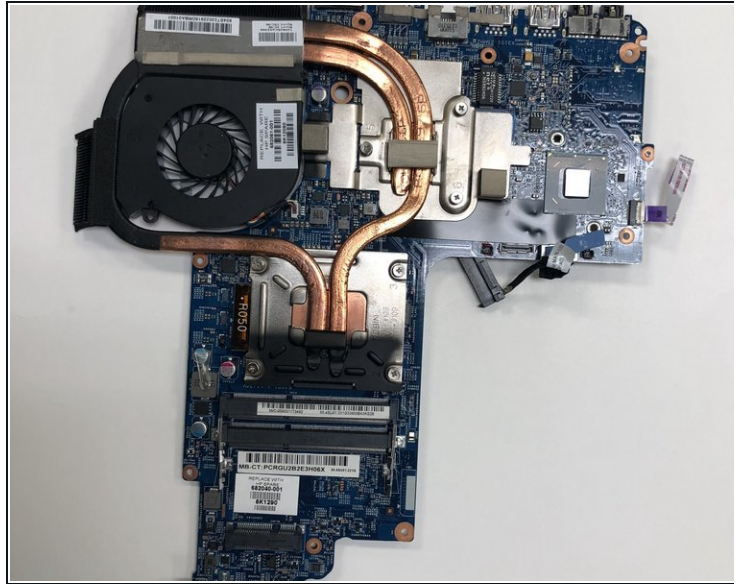
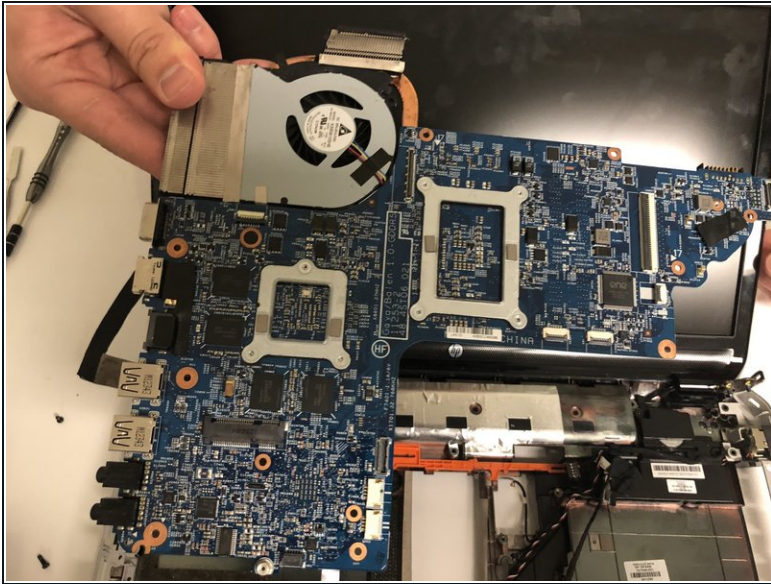
- Use the flat end of a spudger to disconnect all wires connected to the motherboard.

Step 26



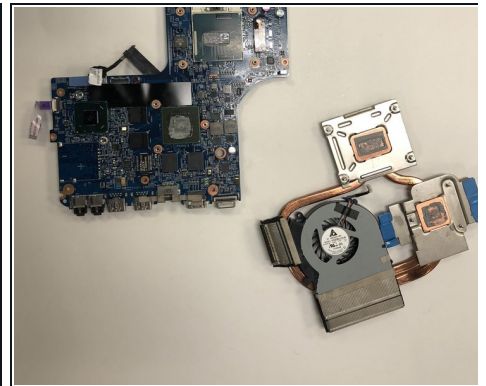
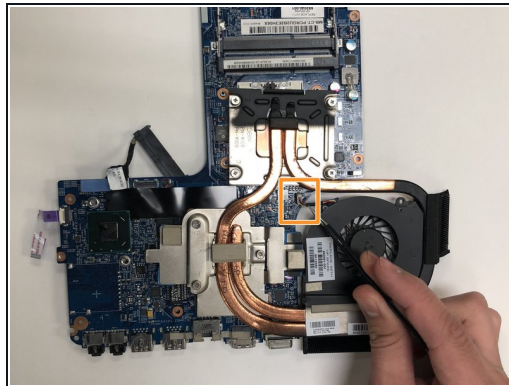
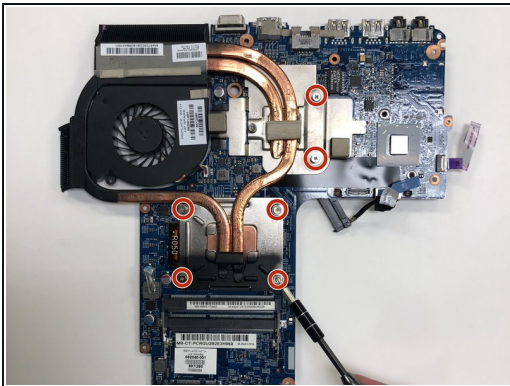
- Lift up the black tab on the ZIF connector with the flat end of a spudger.
- Pull the ribbon cable out of the ZIF connector.
- Remove the fan from the laptop.

Step 27 — Heat Sink



- Once you have removed the motherboard, the heat sink is attached.
- Flip over the motherboard/heat sink assembly.

Step 28



- Remove the six screws holding the heat sink onto the motherboard.
- Unplug the cord supplying power to the fan.
- Pull the two pieces apart.

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