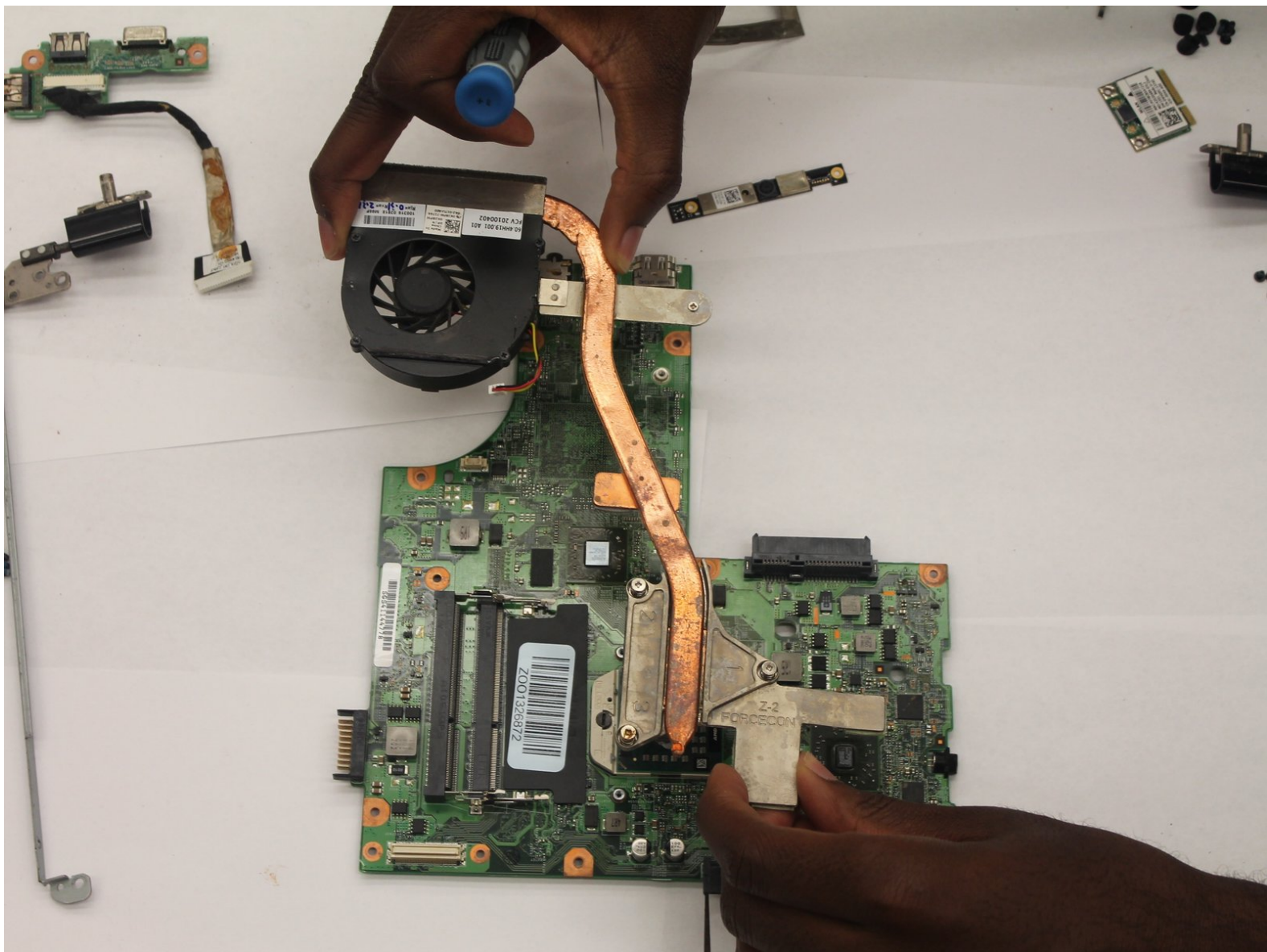




# Dell Inspiron M5010 Fan/Heatsink Replacement

This guide demonstrates how to remove the Motherboard in order to access and remove the Fan/Heatsink.

Written By: April Poucher





## TOOLS:

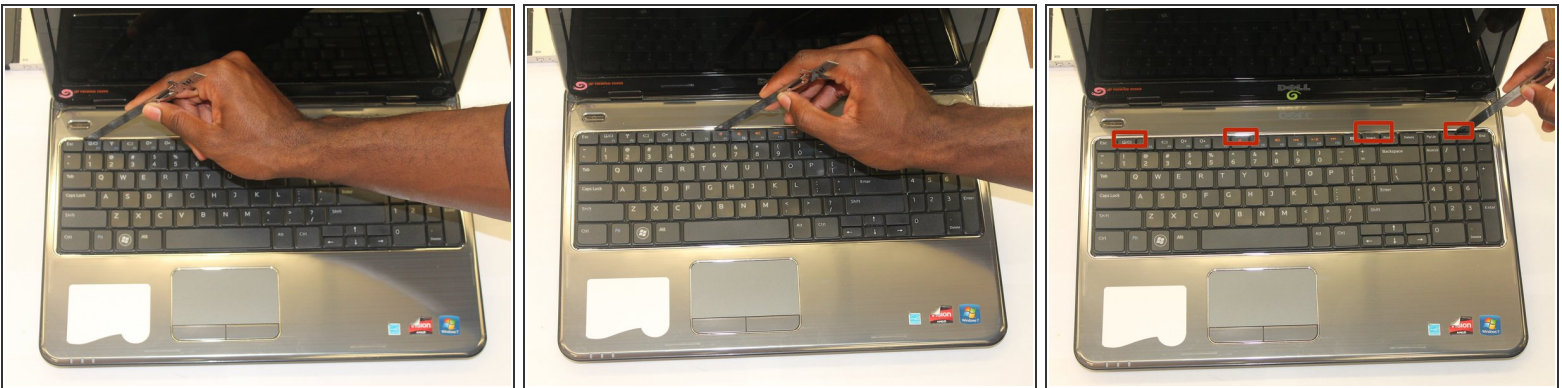
- [Phillips #000 Screwdriver](#) (1)
- [iFixit 6 Inch Metal Ruler](#) (1)

## Step 1 — Remove keyboard retaining screw



- Remove Keyboard retaining screw from bottom of laptop.

## Step 2



- Insert the 6 inch metal ruler, or another flat object into the holes in the top left of the keyboard, the top middle of the keyboard, and the top right of the keyboard to release the keyboard from the computer.
- There are a number of screws on the bottom that required to be removed prior to the keyboard being able to be lifted up.

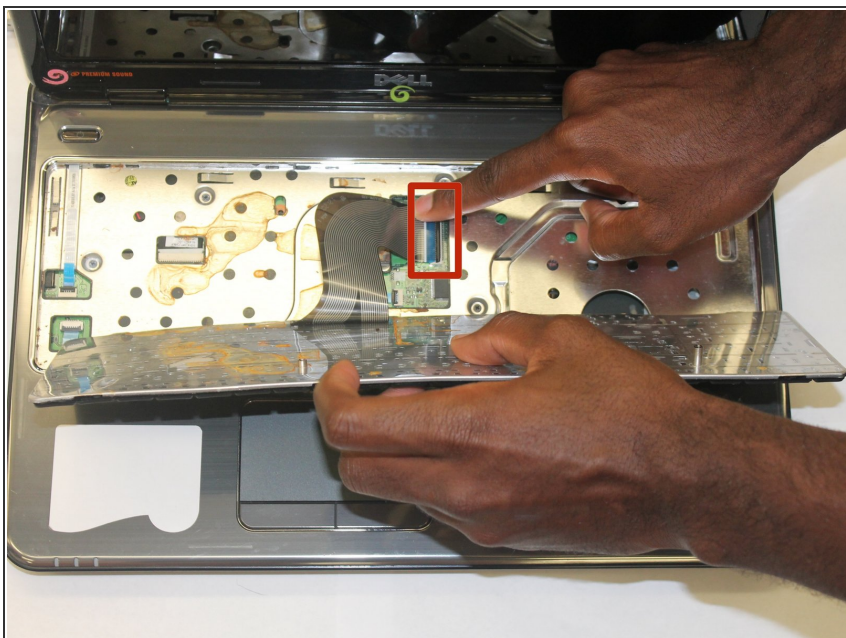


## Step 3



- Lift the keyboard up slightly and push forward in order to release bottom tabs.

## Step 4



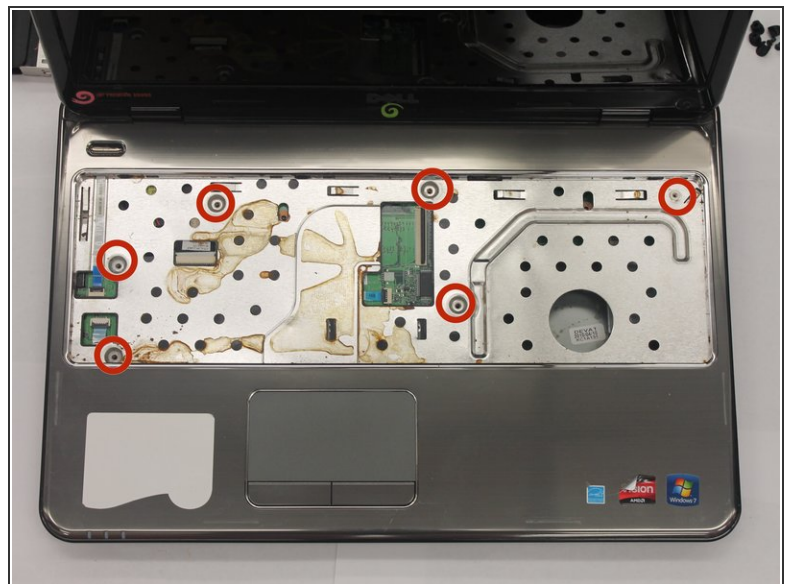
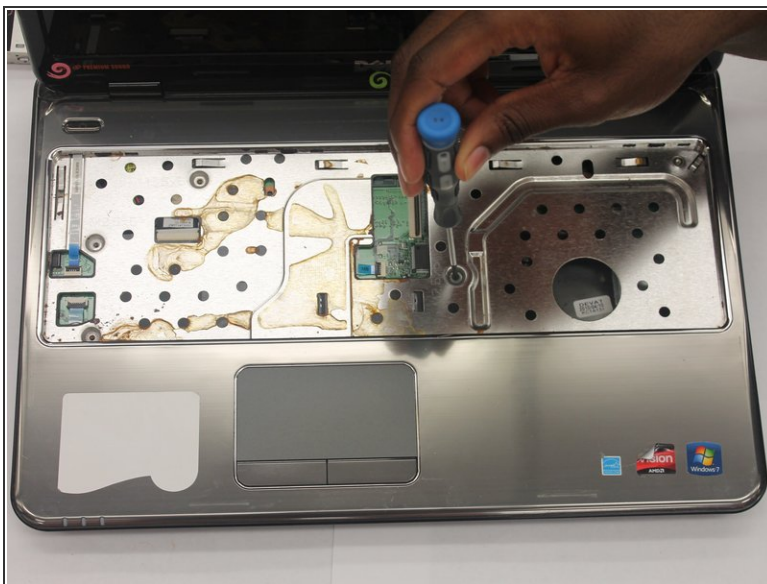
- Pull the black tab up and then pull left on keyboard plug to release keyboard.

## Step 5 — Palm Rest



- Flip the laptop, so the bottom of the laptop is facing up.
- Remove the seven 6.0mm Phillip #000 screws indicated using the Phillips #000 screwdriver.

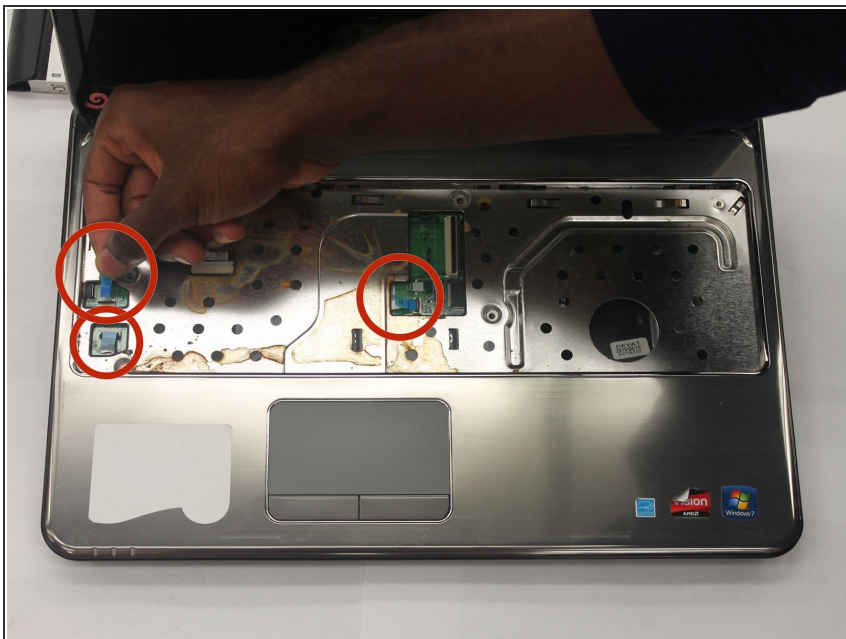
## Step 6



- Flip the laptop back over, so that the top of the laptop is facing up.
- Open the laptop.
- Remove all of the indicated 6.0 mm screws with the Phillips #000 screwdriver.

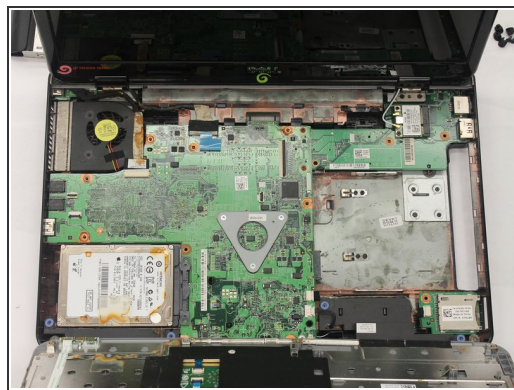
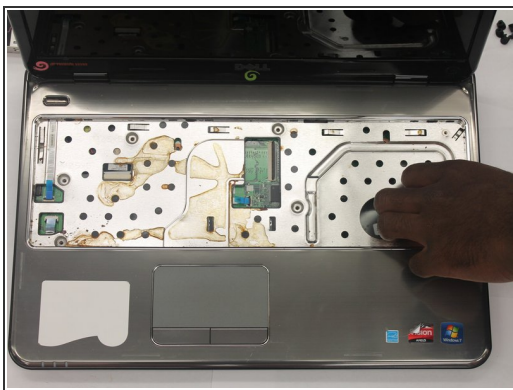


## Step 7



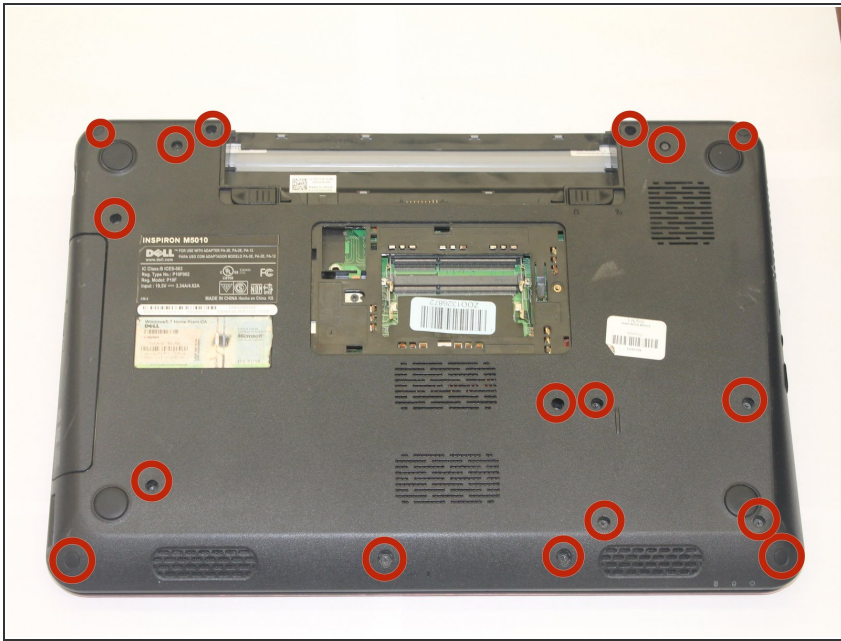
- Unplug the palm rest cables by lifting the black tab up and then pulling on the blue tabs.

## Step 8



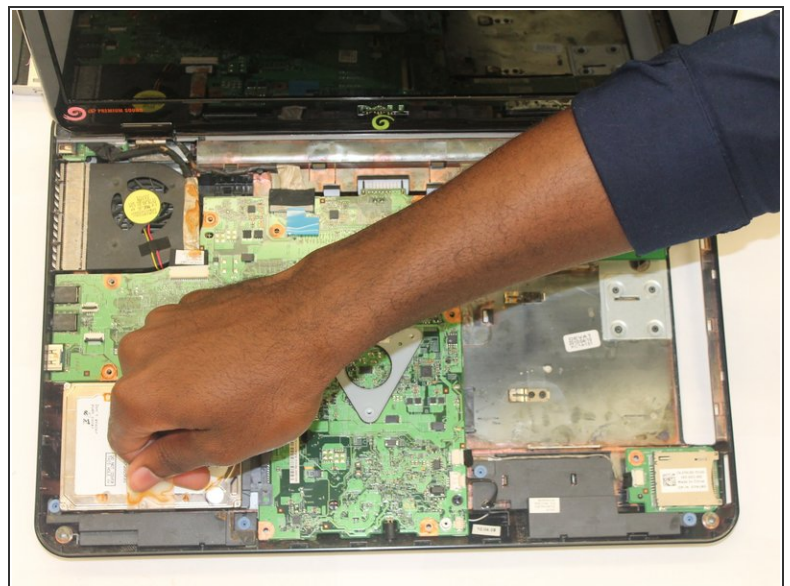
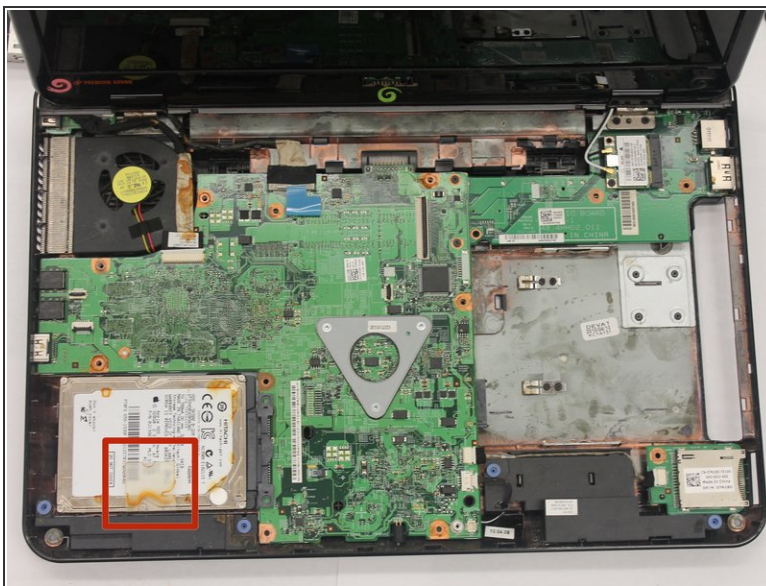
- Carefully unsnap and remove the palm rest.
- i** Place your fingers inside the large circle in the lower right corner to get a good grip.

## Step 9 — Fan/Heatsink



- Flip the laptop over so the bottom is facing up.
- Remove the indicated 17 6mm Phillips #000 screws on the back of the laptop using the Phillips #000 screwdriver.

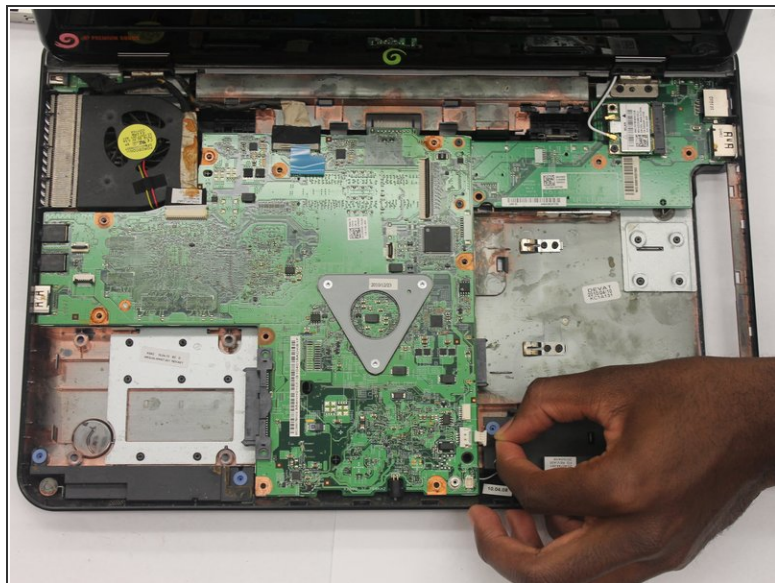
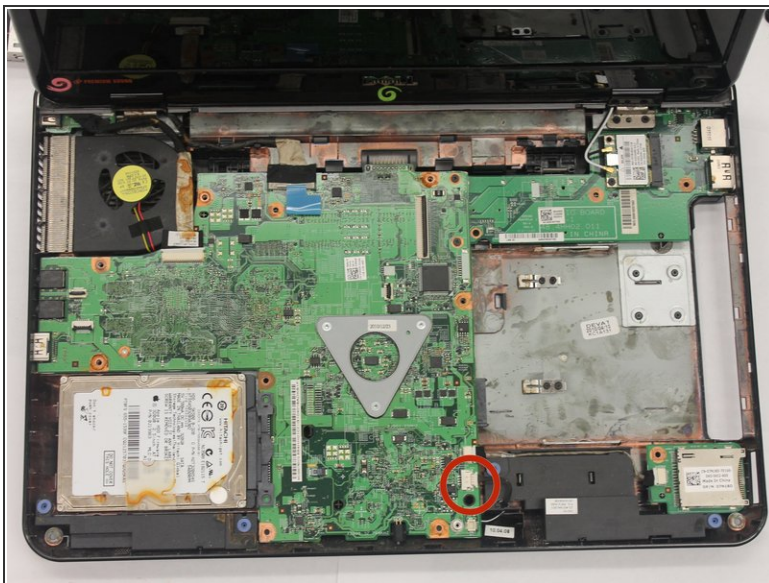
## Step 10



- Pull the clear tab attached to the hard drive and gently lift up the hard drive to remove it.

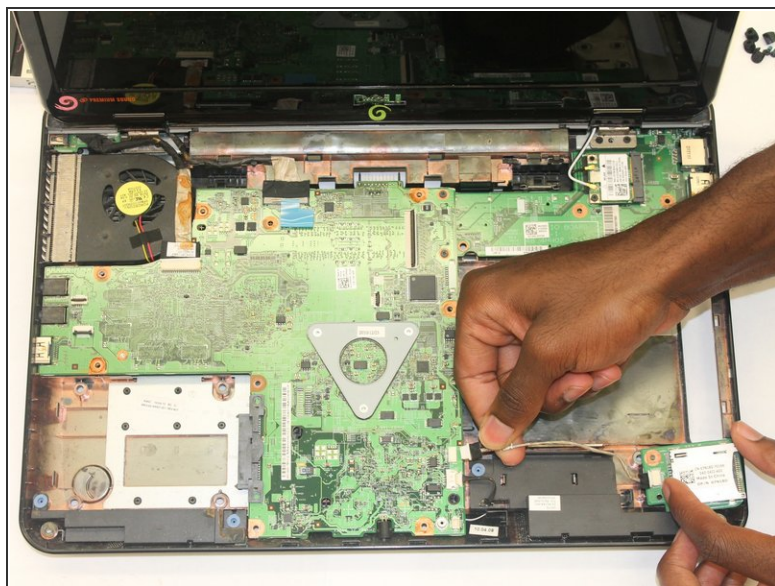


## Step 11



- Flip the laptop back over and unplug the Speakers.

## Step 12

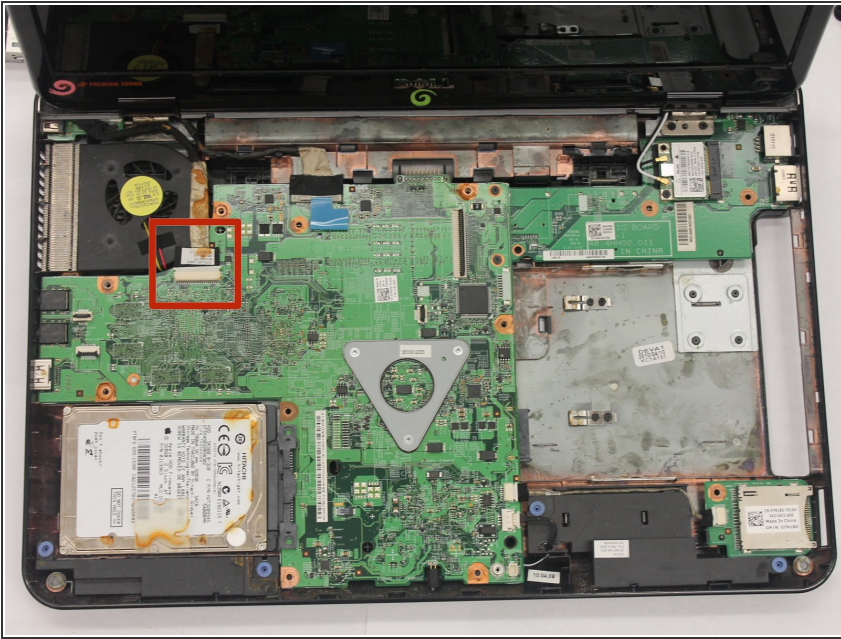


- Unplug the SD Card Slot.

**i** You do not have to remove the SD Card Slot, just unplug it.

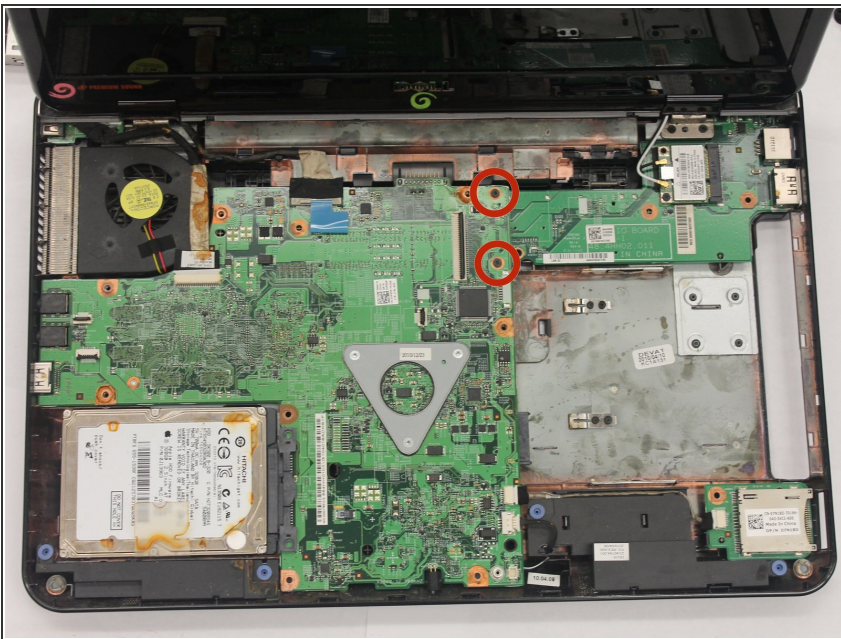


## Step 13



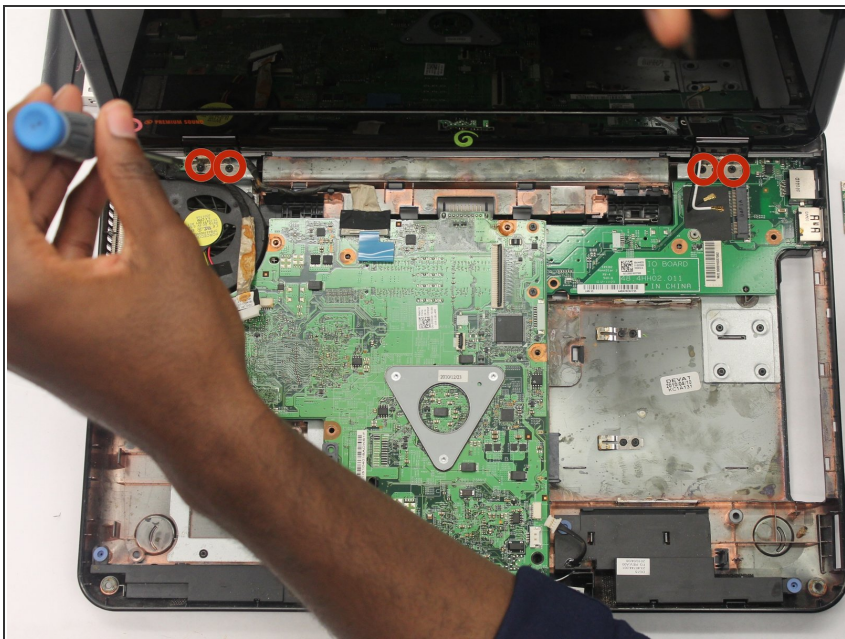
- Unplug the USB/VGA cable.

## Step 14



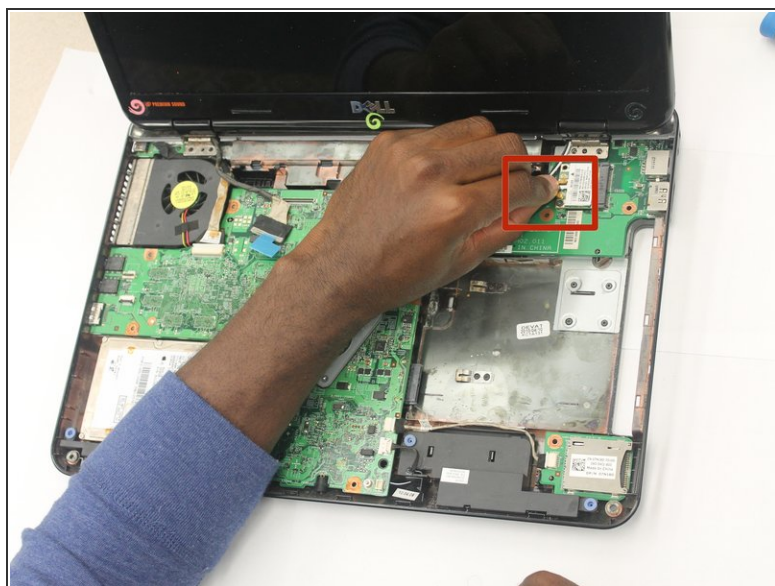
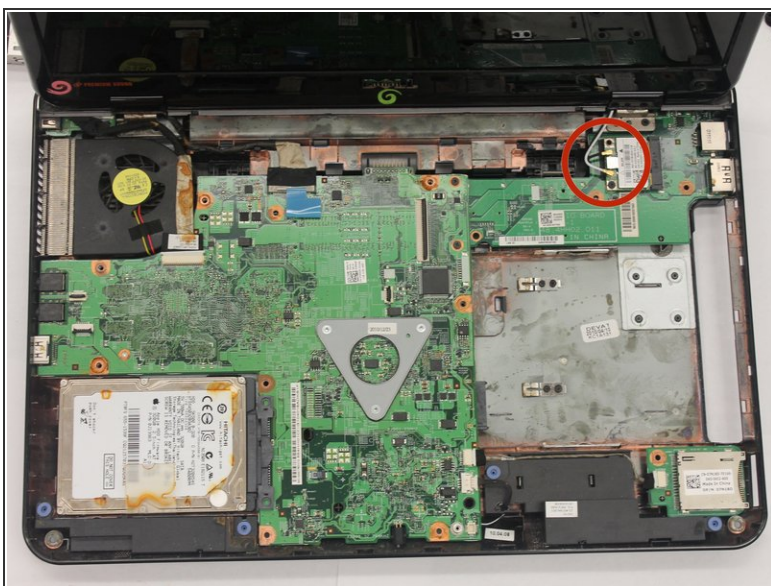
- Remove the 4 mm Phillips #000 motherboard screws using the Phillips #000 screwdriver.

## Step 15



- Remove the 4 indicated 6 mm Phillips #000 front hinge screws with the Phillips #000 screwdriver.

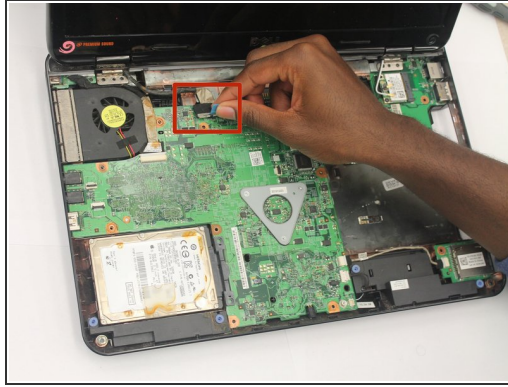
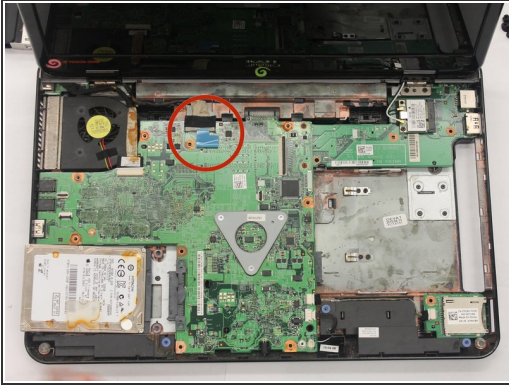
## Step 16



- Unplug the Wireless Antenna cables.



## Step 17



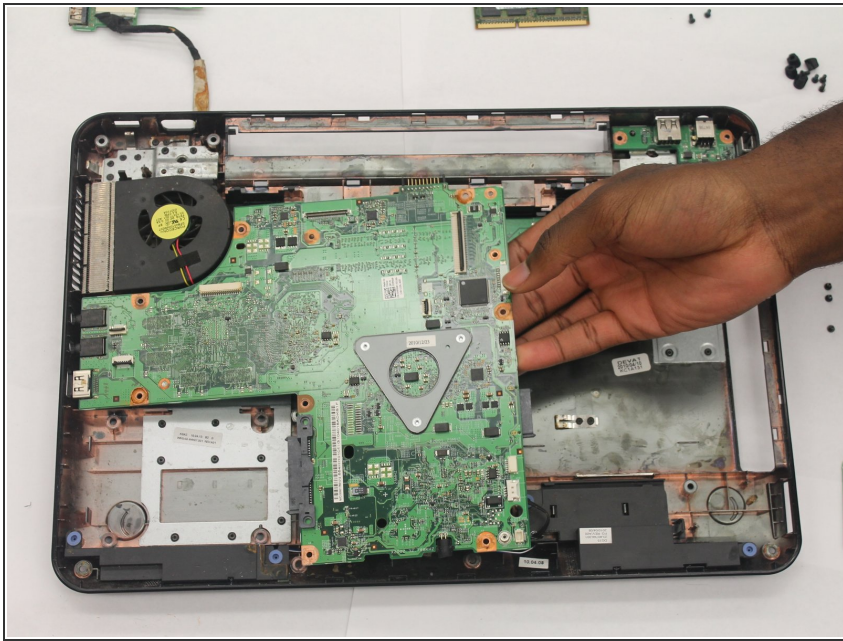
- Unplug the LCD cable.
- Lift the screen from the computer.

## Step 18



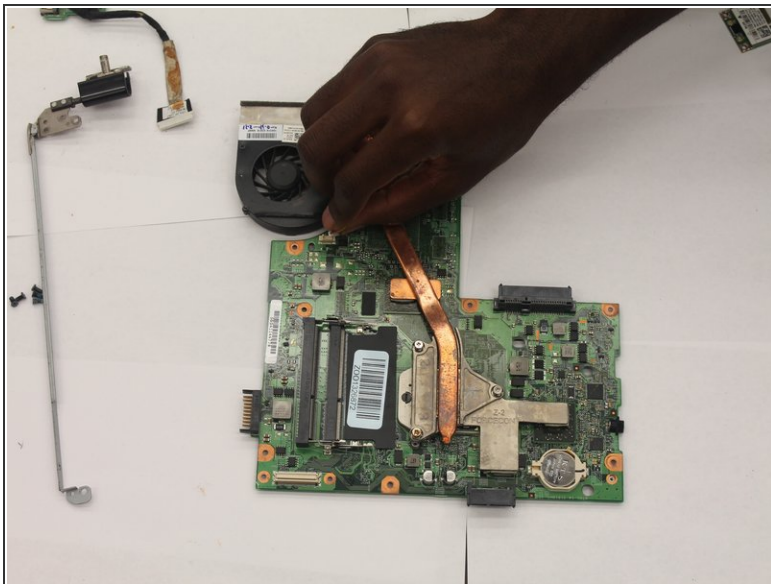
- Remove the Middle Cover.

## Step 19



- Remove the Motherboard.

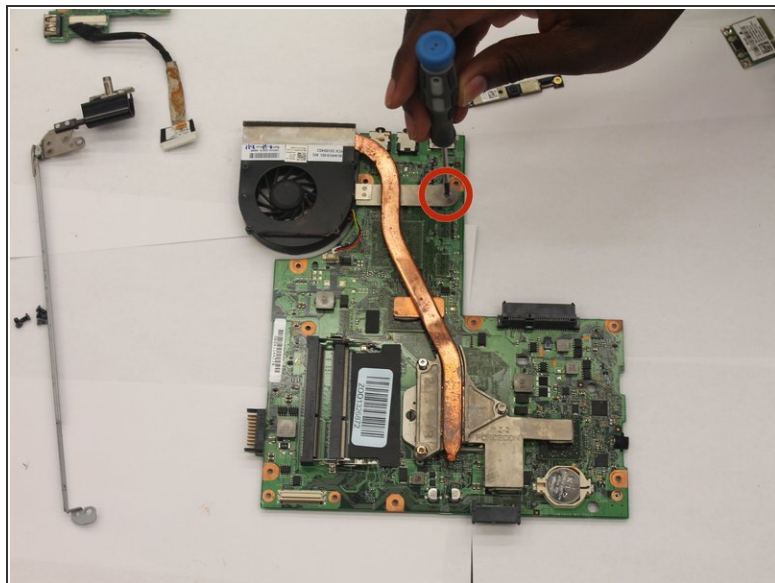
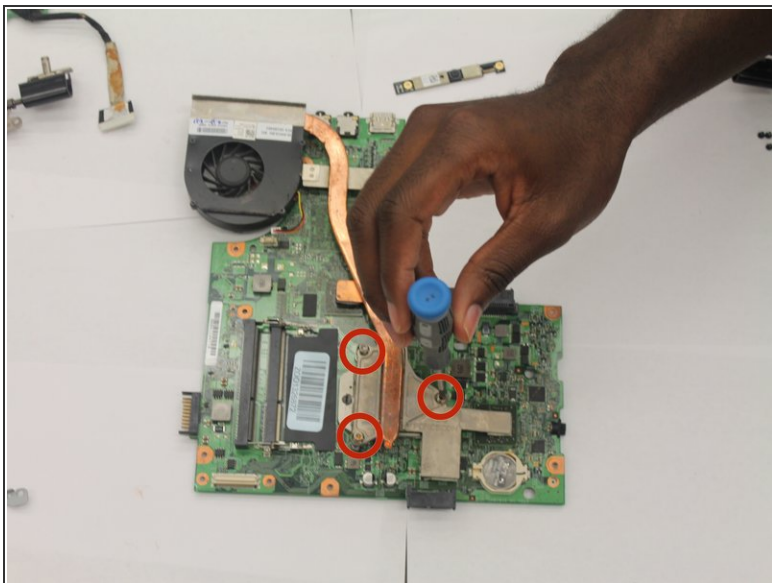
## Step 20



- Unplug the fan.

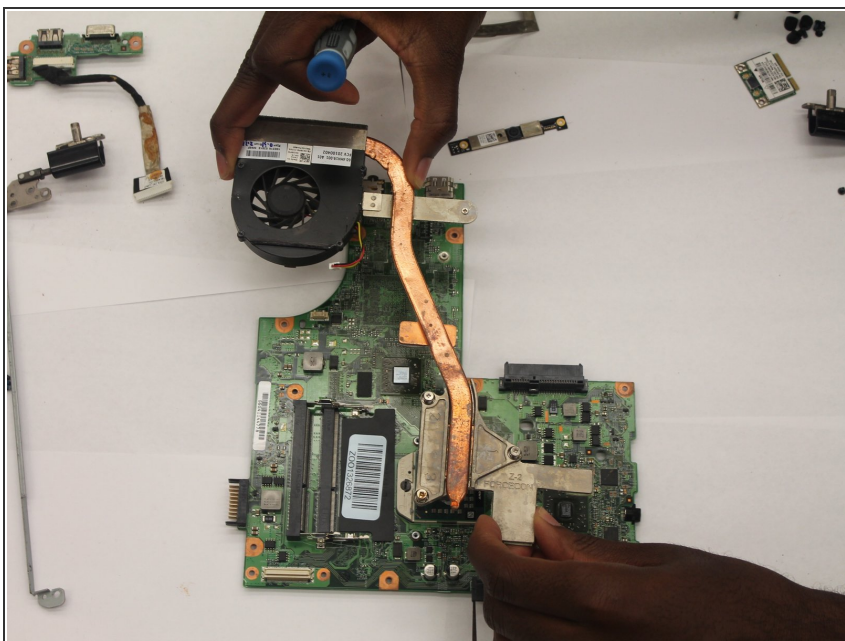


## Step 21



- Remove all 4 of the 6 mm Phillips #000 Heatsink screws with the Phillips #000 screwdriver.

## Step 22



- Lift the Heatsink from the Motherboard.

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