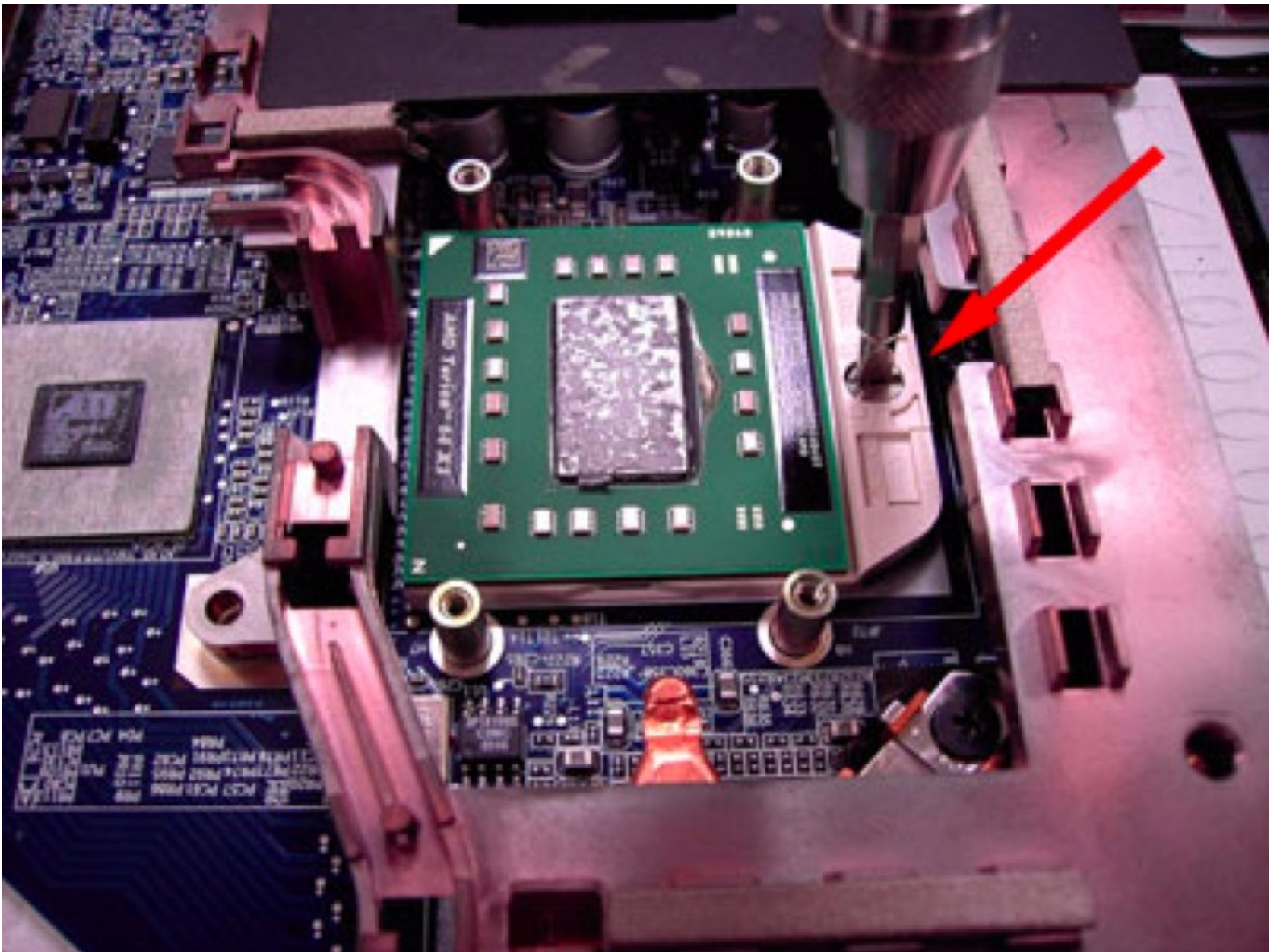




# Acer Aspire 5100 CPU Replacement

This step by step guide will show you how to...

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# INTRODUCTION

This step by step guide will show you how to replace the CPU in your Acer Aspire 5100.



## TOOLS:

- [Phillips #0 Screwdriver](#) (1)
- [Spudger](#) (1)



## PARTS:

- [Acer Aspire Replacement Fan](#) (1)
- [Replacement Keyboard](#) (1)
- [Replacement trackpad](#) (1)
- [Acer Aspire 5100 LCD Screen Replacement](#) (1)
- [Replacement Motherboard compatible with the Acer Aspire 5100](#) (1)

## Step 1 — Fan

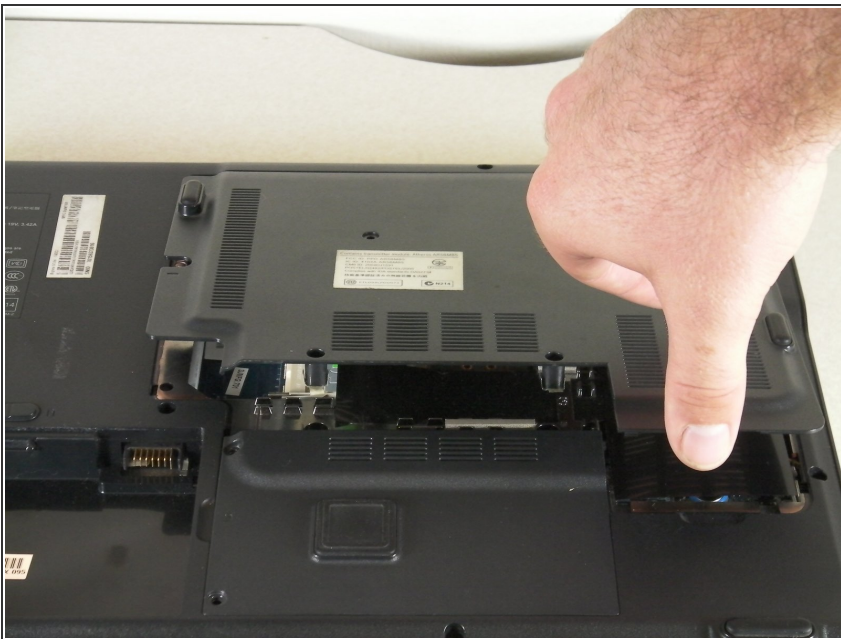


- Flip the laptop upside-down.

⚠ Remove the battery as a safety precaution.

- Remove the four screws attached to the large panel.

## Step 2



- Lift and remove the panel.

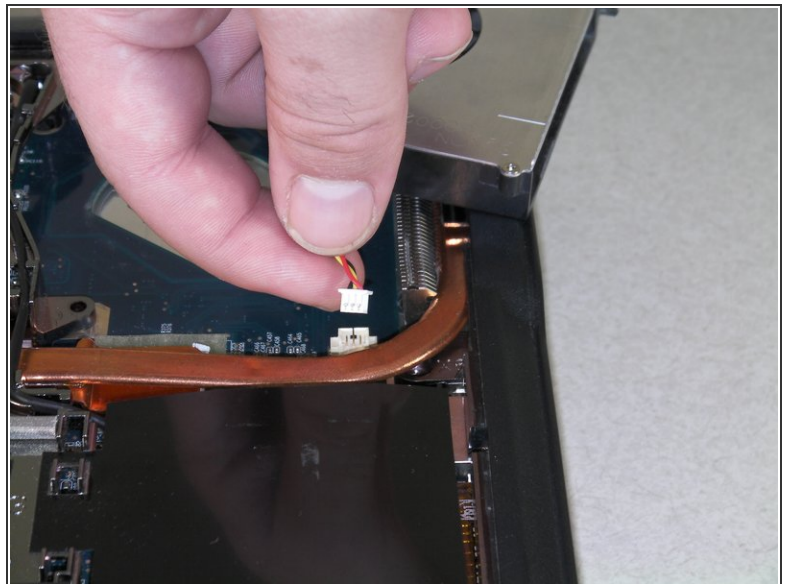
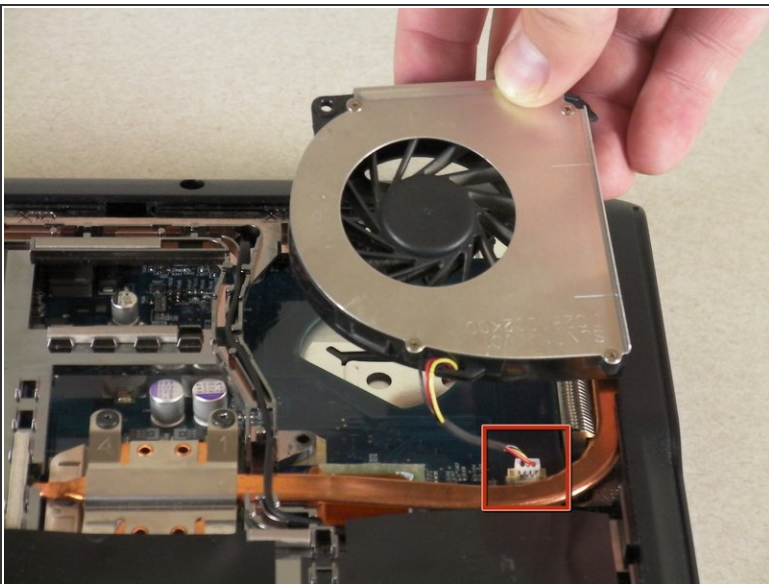


### Step 3



- Remove the two screws attached to the fan.

### Step 4



- Lift the fan and detach the cable that connects the fan to the motherboard.

 **The fan can break easily. Be careful when removing.**

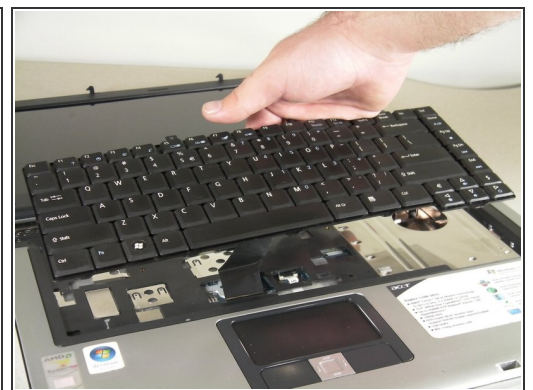
- When detaching the cable, do not pull on the cable itself. Instead, use a small spudger to detach it at the white section that connects it to the motherboard.

## Step 5 — Keyboard



- Open and push the screen back all the way until it is horizontal with the rest of the laptop.
- Use an opening tool to remove the panel above the keyboard that has the power button on it.
- After you have released the tabs, lift up the panel.

## Step 6

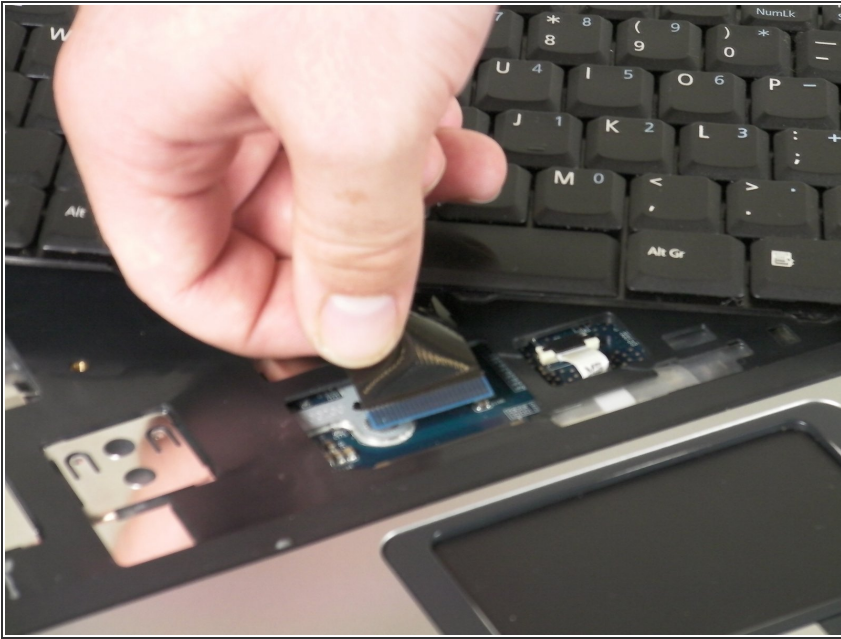


- Under the panel, remove the two screws that connect the keyboard to the laptop.
- ❗ One screw is located above the F5 button, and the other one is located above the F10 button.

**⚠ Potential for device damage: Lift up the keyboard CAREFULLY because there is a ribbon that connects the keyboard to the motherboard.**

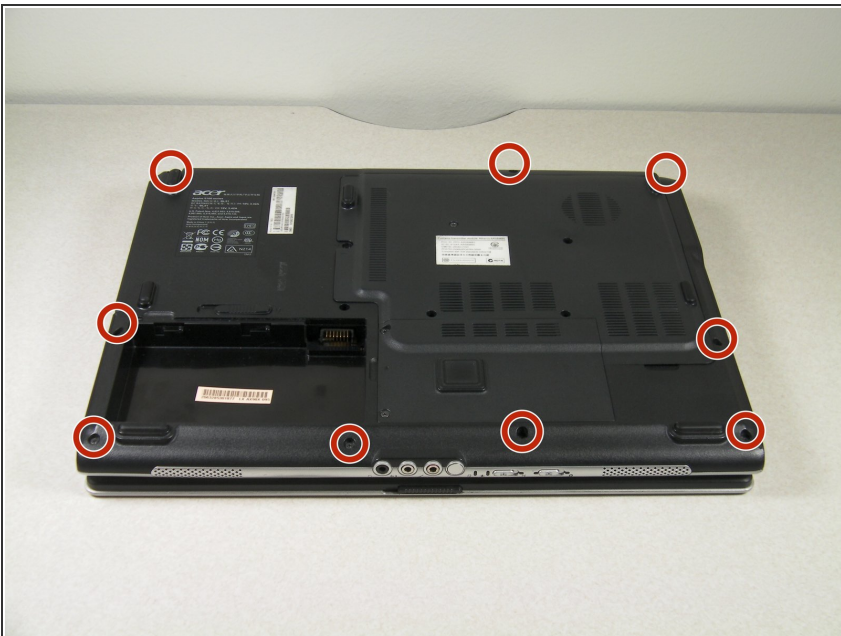


## Step 7



- Release the catch on the ribbon socket by sliding the two tabs toward the ribbon.
- Pull the ribbon under the keyboard to detach it from the motherboard.
- Remove the keyboard.

## Step 8 — Track Pad



- Remove the nine screws from the back edges of the laptop.

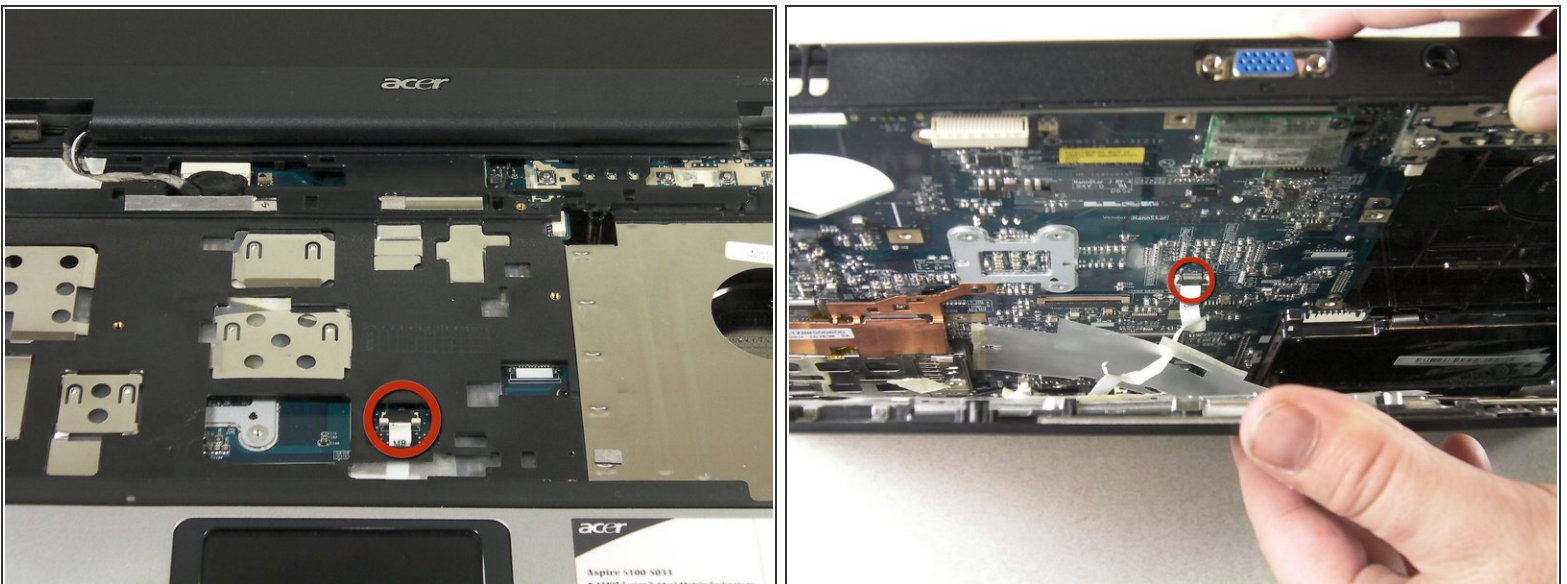
## Step 9



- Open the lid of the laptop and locate the cover that surrounds the keyboard and track pad.
- Use the spudger to pry open the sides of this cover.

**⚠ DO NOT lift cover off after detaching it because the track pad is connected to the motherboard.**

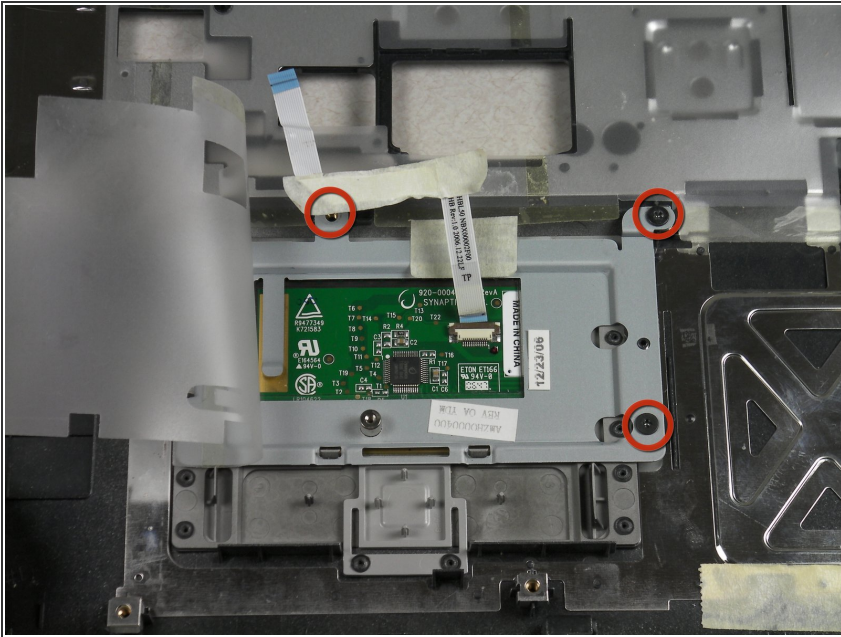
## Step 10



- Slightly lift up the cover to see the ribbon connection.
- Release the catch by sliding the two lugs toward the ribbon, then pull the ribbon to detach it from the motherboard.
- Lift up the cover from the laptop.

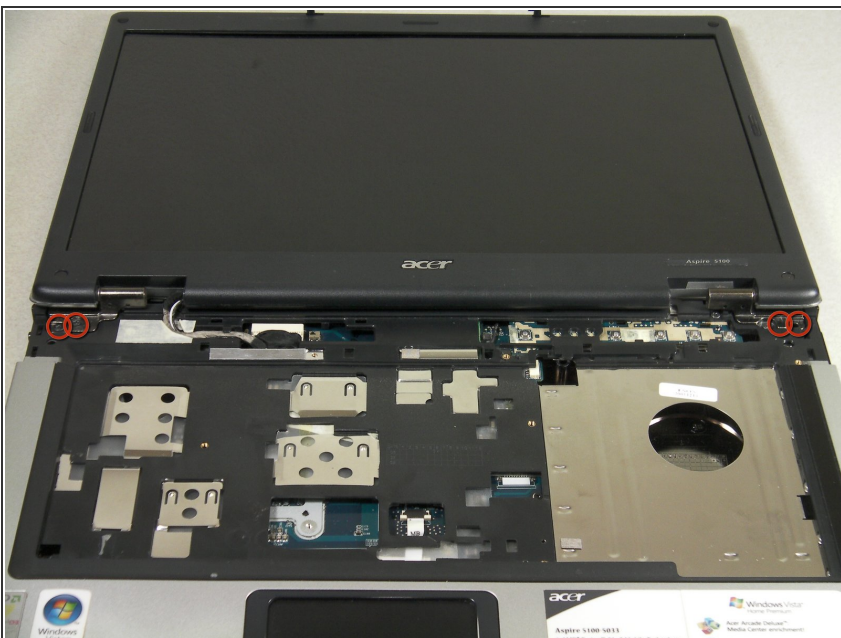


## Step 11



- On the cover that was removed, flip it around and locate where the back of the track pad is.
- Remove the three screws located at the corners.
- Lift up the bracket that you just unscrewed and remove track pad.

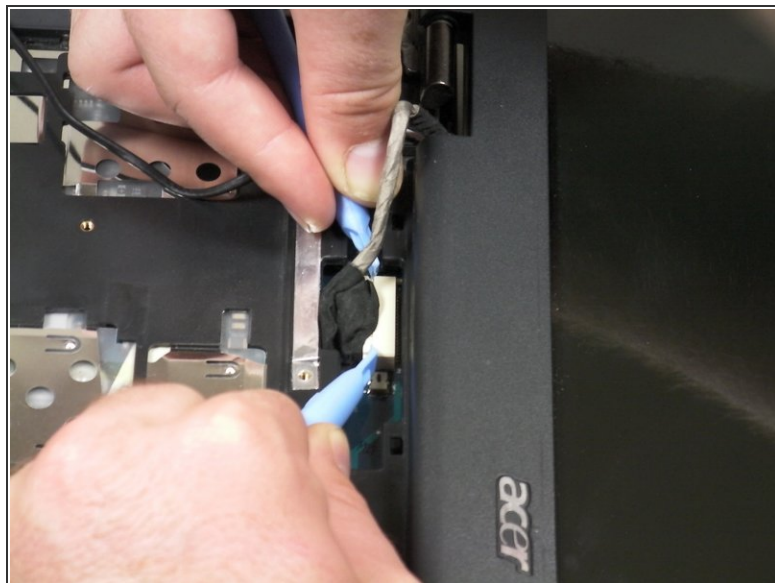
## Step 12 — LCD Monitor



- Remove the two screws from each corner beneath the LCD screen.

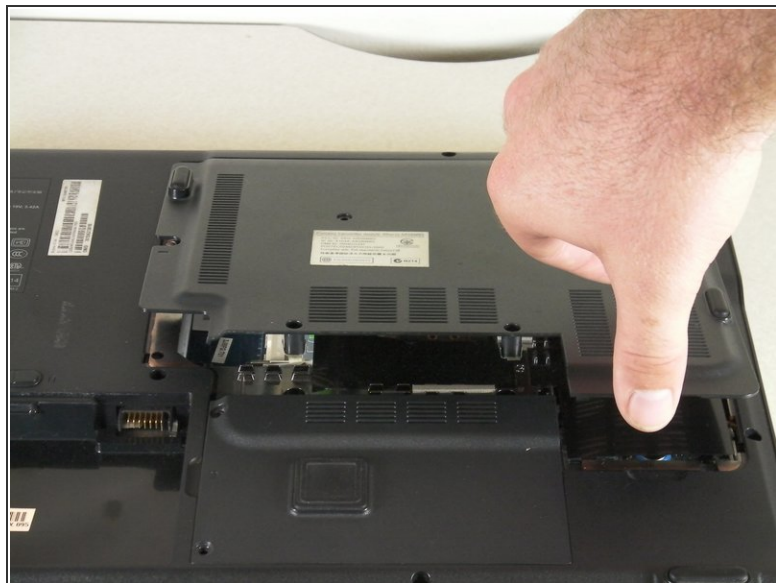


## Step 13



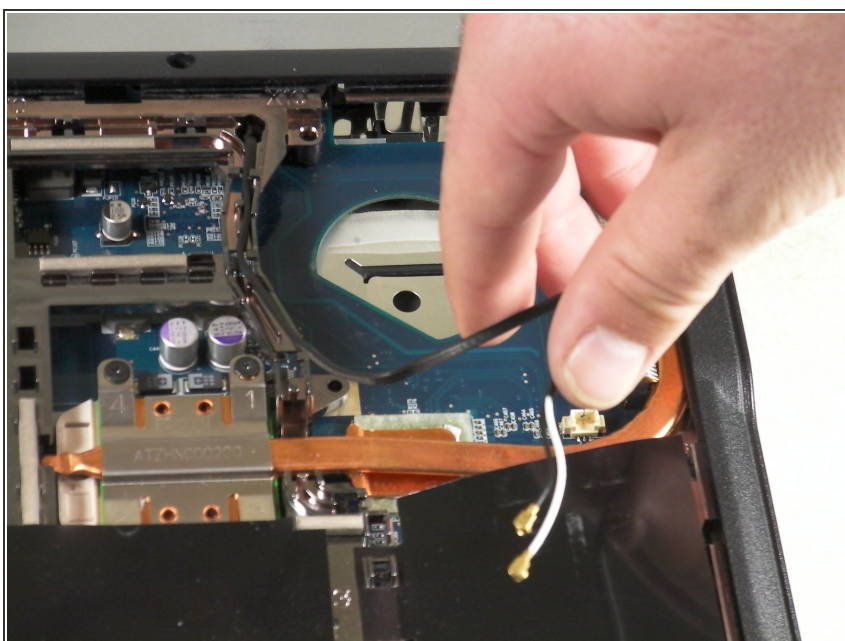
- Detach the white rectangle located on the motherboard at the end of the wire connected to the LCD screen.

## Step 14



- Flip the laptop upside down.
- Remove the four screws from the back panel of the laptop.
- Lift the panel up and set it aside.

## Step 15



- Detach the black and white wire.
- ⓘ You do not need to remove the cooling fan.

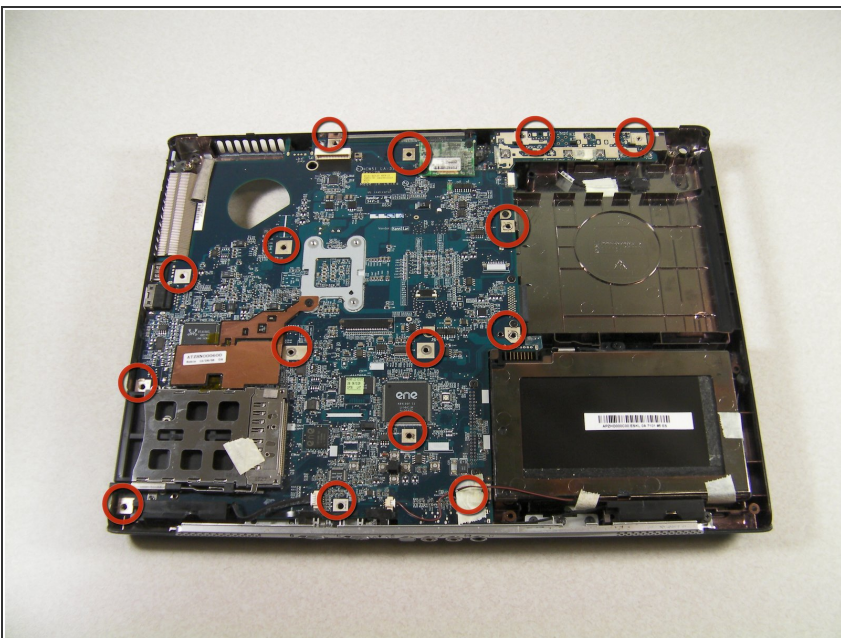


## Step 16



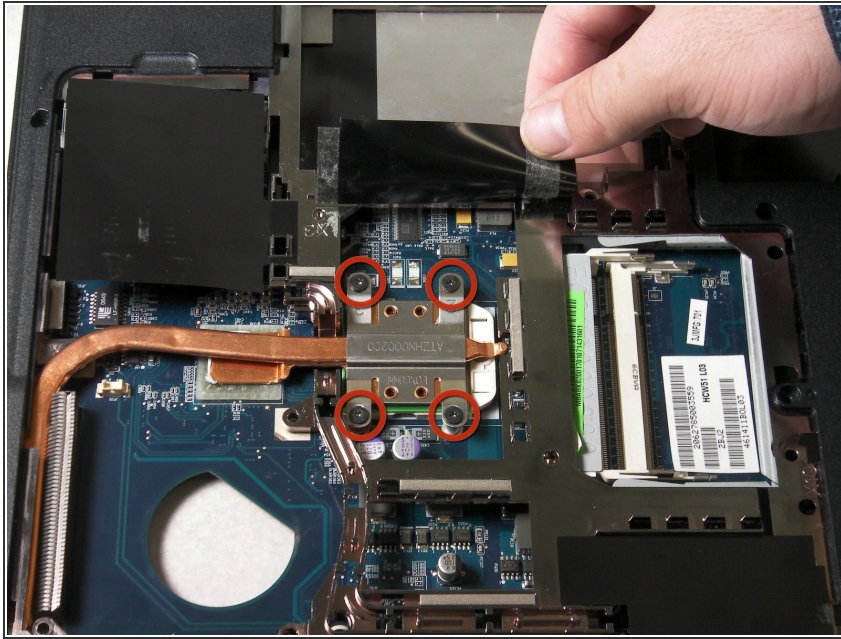
- Lift up the monitor to detach it.

## Step 17 — Motherboard



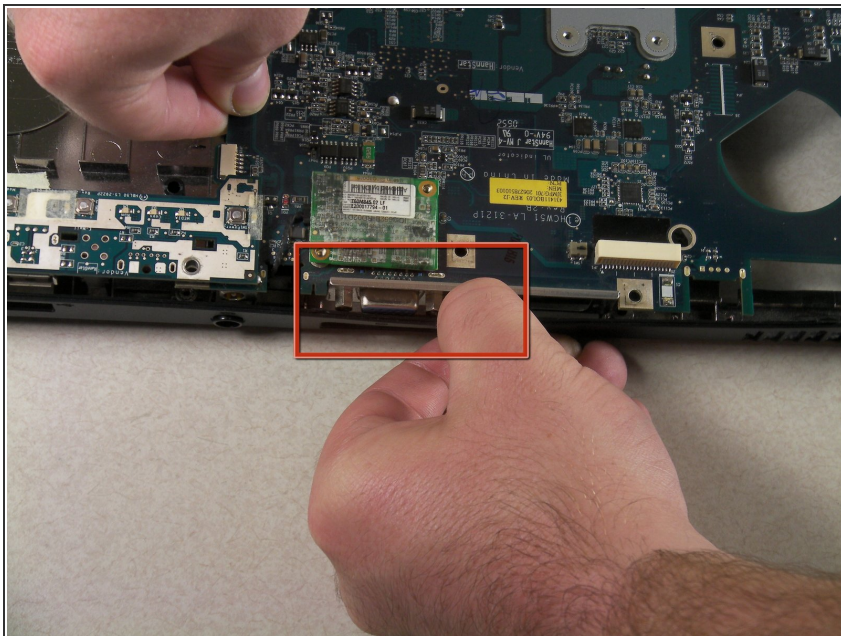
- Remove the 15 screws from the motherboard.
- ⓘ There is normally only one remaining screw attached to the motherboard on the bottom right beneath the tape.
- ⓘ All the other screw holes (except screws holding the base cover on) are kept empty.

## Step 18



- Flip the laptop upside down.
- Locate the heat sink, which is the copper "L" shaped component, and unscrew the four screws that connect it to the motherboard.

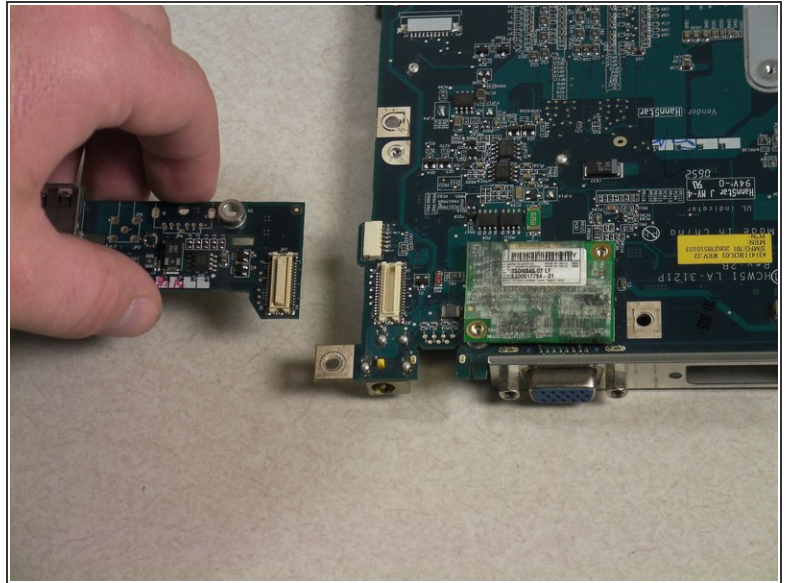
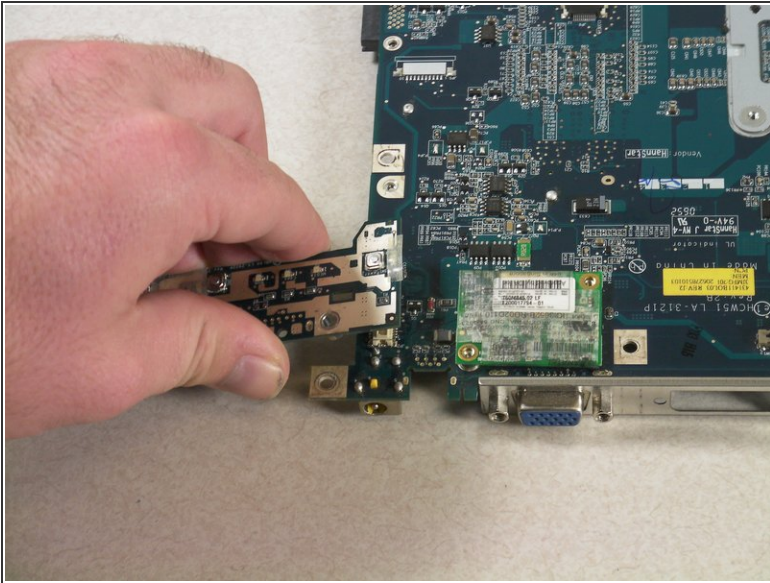
## Step 19



- Push out the back of the casing by the VGA connector to remove the motherboard.

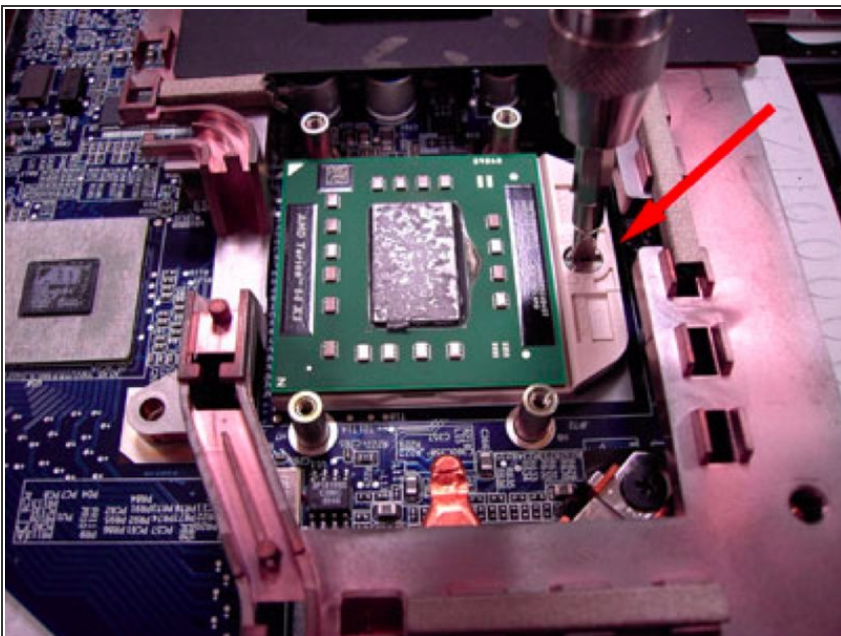


## Step 20



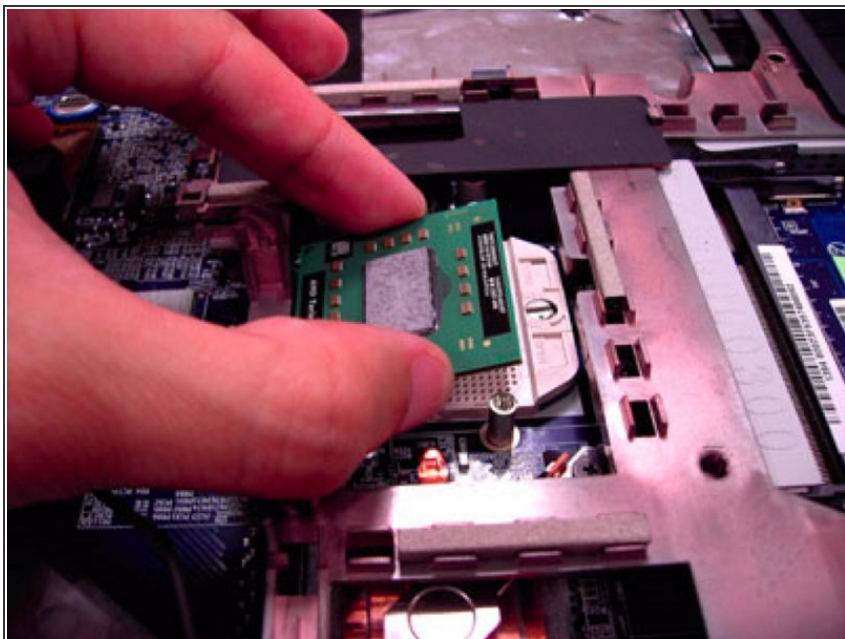
- Lift up and remove the motherboard from the laptop casing.
- Remove the USB add-on card to use it with the new motherboard.
- ❗ To remove, grab on the sides and lift upward.

## Step 21 — CPU



- Loosen the screw to the CPU by rotating counter clockwise. The use of a flat head screwdriver will be needed.

## Step 22



- Carefully pull up on the CPU from the circuit board without twisting or rotating as connections may become bent.
- You now have the CPU, you may inspect it to check for any damages or replacement as necessary

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