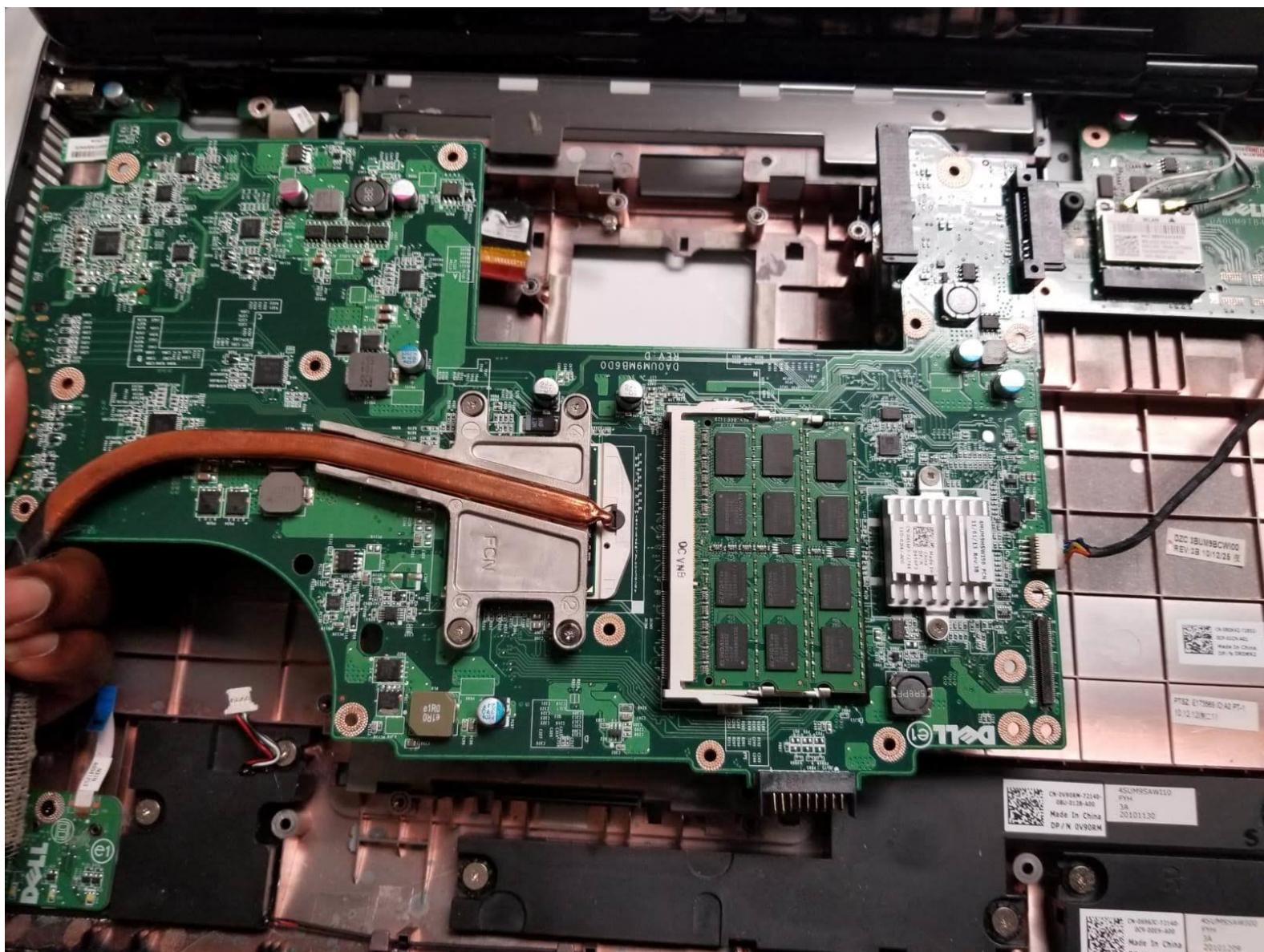




Dell Inspiron 17R-N7010 Motherboard Replacement

This guide will inform you on how to replace the Dell Inspiron 17R-N7010 motherboard.

Written By: frank scott



INTRODUCTION

If you want to change/upgrade your motherboard or it is damaged in anyway, this guide will show you how to replace it on your Inspiron.

TOOLS:

- **Spudger** (1)
- **Phillips #0 Screwdriver** (1)

Step 1 — Battery



 Power off the laptop before continuing disassembly.

- Flip the laptop over and locate the battery compartment.

Step 2



- To remove the battery, slide both locks away from the center of the battery.
- After a click is heard, the battery can then be pulled out.

 To reinstall the battery, slide the battery back into place in the same orientation you had removed it. Push it into place until you hear a click.

Step 3 — Palm Rest



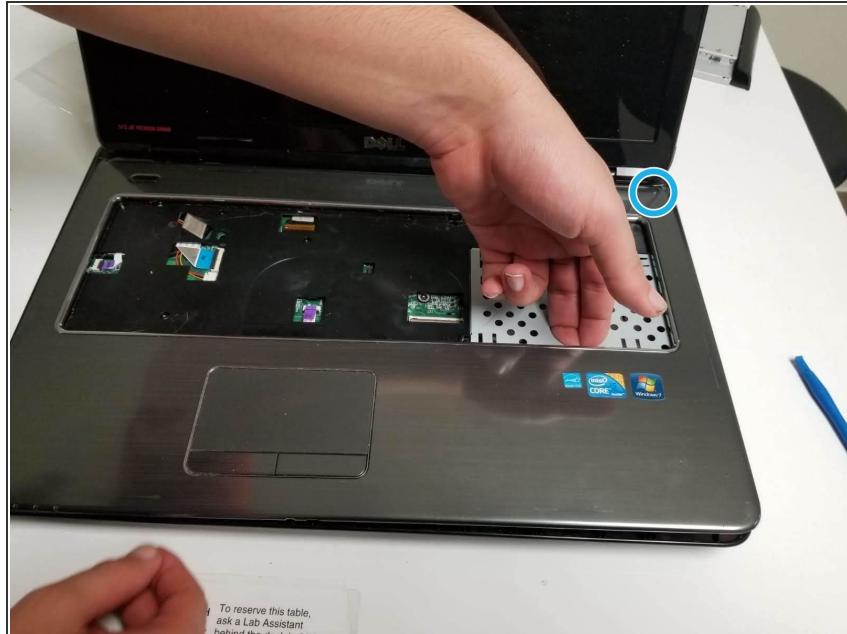
- Still looking at the back of the laptop, locate and unscrew the four screws highlighted in green.
- Flip the laptop over and open it to view the face of the keyboard.
- (i)* The keyboard is connected to the laptop by a thin wire marked in blue. To disconnect the keyboard from the laptop, lift up the latch holding the wire in place. This latch is boxed in blue.

Step 4



- Close the laptop again, flipping it back over to view the back once more. To remove the back cover, locate and unscrew the two screws marked in green.
- Following this, slide the CD drive out in order to locate and access the final three screws, which are marked in red.
- Remove these three screws.

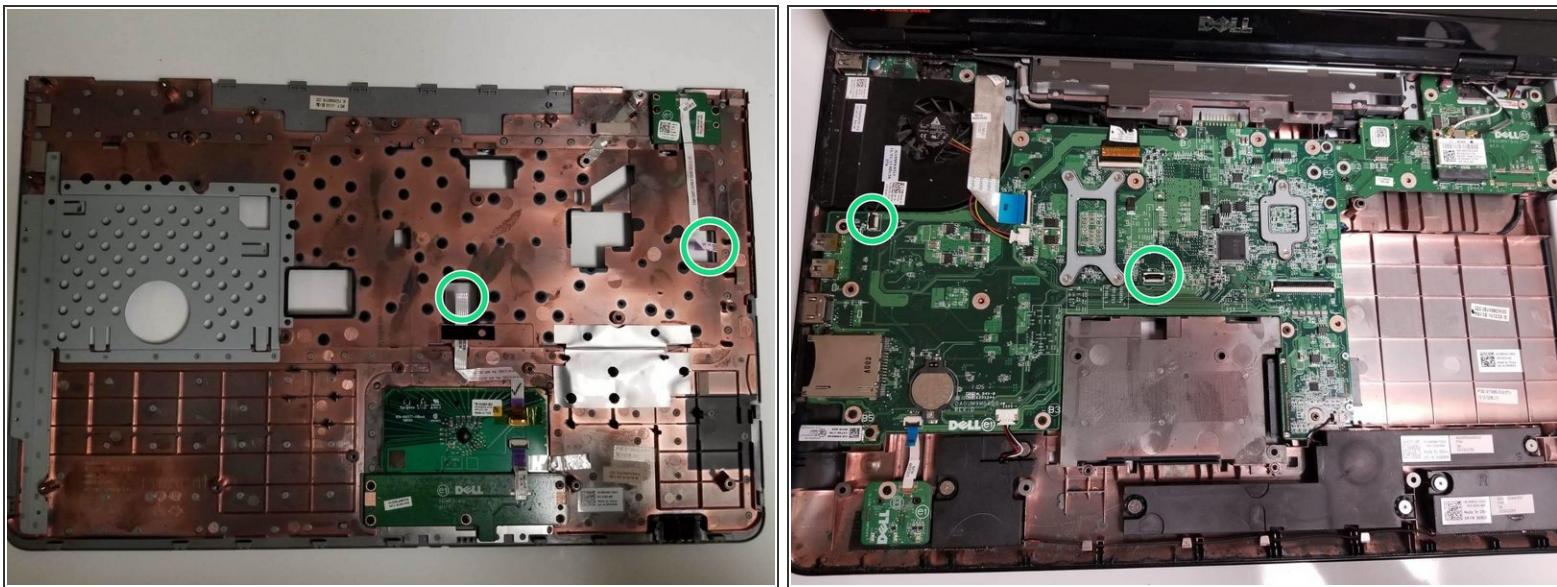
Step 5



i This step may be tricky, and might feel like you are breaking the laptop. Following these steps carefully will ensure a safe disassembly of the device without damaging the hardware.

- To safely remove the top cover, insert a spudger underneath the grey surface where the blue circle is shown. Pry upwards with the spudger in order to detach the locks.
- Work clockwise starting from the indicated blue circle, inserting the spudger under the grey cover and lifting up in order to detach the locks.

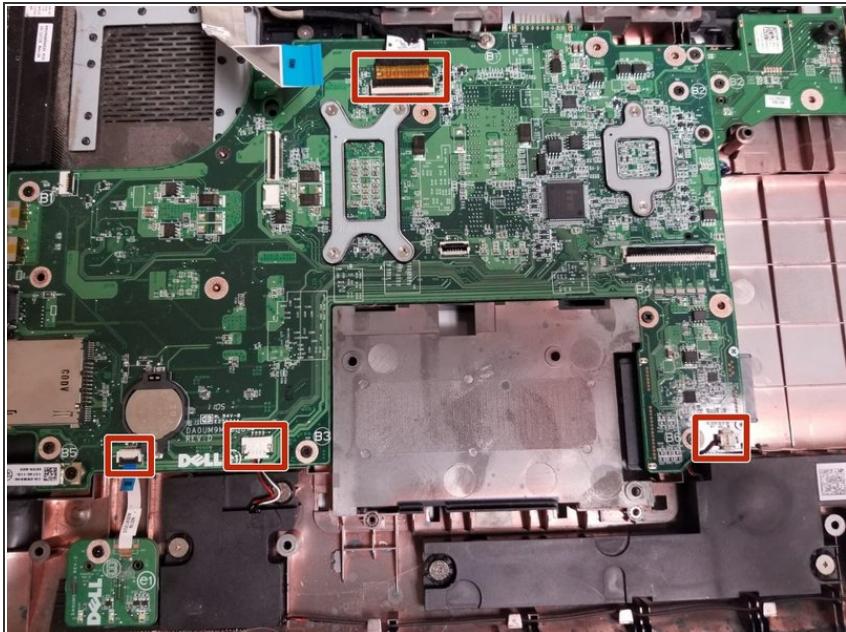
Step 6



⚠ Disconnect the wires circled in green before completely removing the top cover.

- Remove the cover to access the inner hardware of the laptop: motherboard, fans, processors, et cetera.

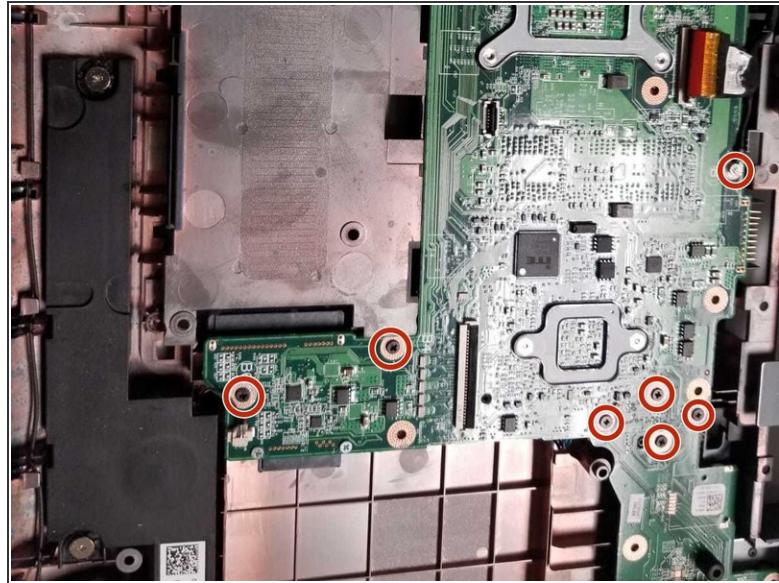
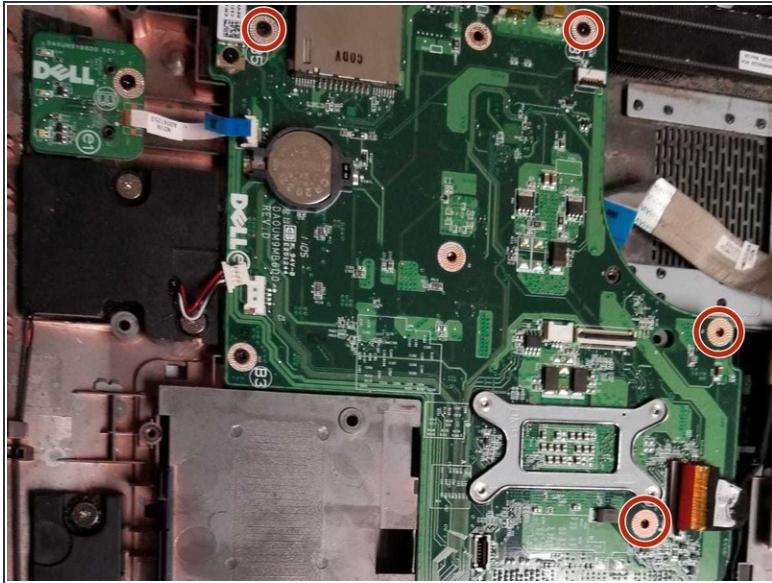
Step 7 — Motherboard



⚠ Make sure the SIM card has already been removed. If not, remove it now.

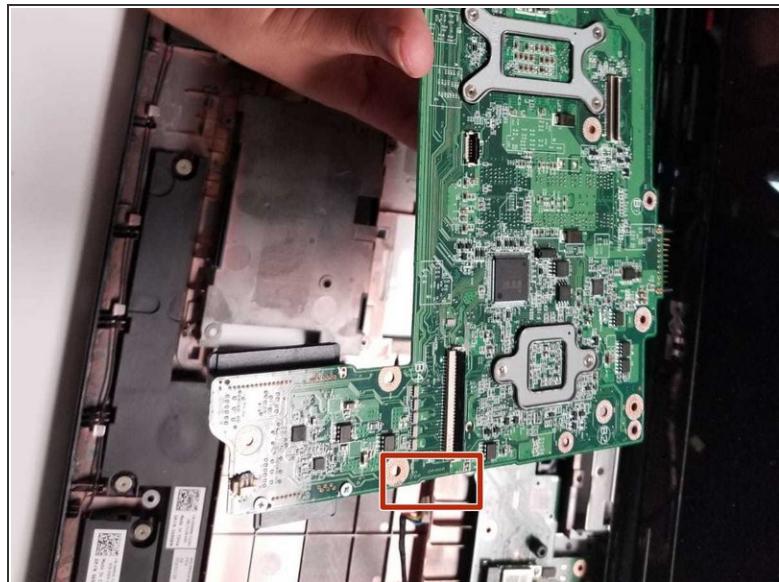
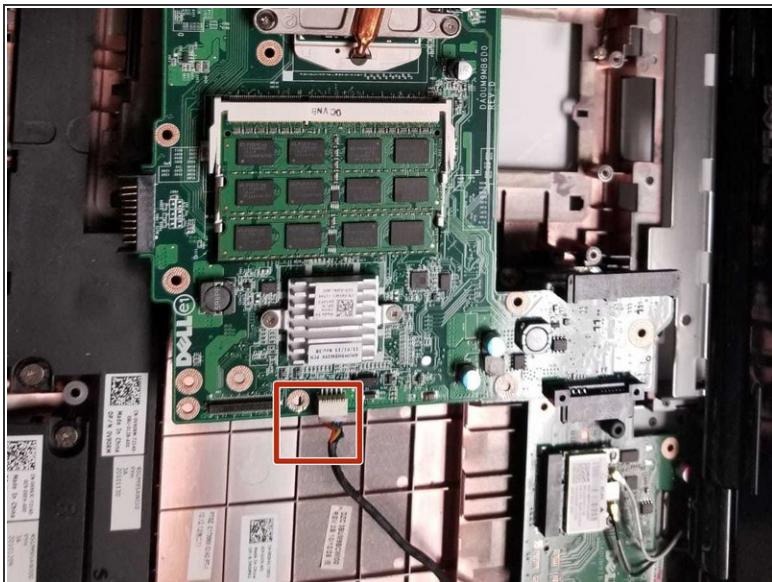
- Carefully unplug the four ports connecting to the computer (the prying tool may come in handy when using it on the ports).

Step 8



- Remove all 10 screws on the motherboard using the Phillips #0 screwdriver.

Step 9



- Carefully lift the motherboard at an angle, and slowly pull out the final port.

● You will find the port on the bottom of the motherboard shown in the first picture.

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