



Dell Inspiron N4110 Motherboard Replacement

Is your motherboard damaged or are you looking...

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INTRODUCTION

Is your motherboard damaged or are you looking for an upgrade? if so, this guide will show you how to locate and replace a motherboard.


TOOLS:

[iFixit Opening Tool](#) (1)

[Phillips #1 Screwdriver](#) (1)

Step 1 — Battery



 **Make sure the laptop is off and unplugged before starting this step.**

- Locate the battery on the underside of the laptop.
- Push the two battery clips following the direction of the arrows.

Step 2



- Push upward from the base of the battery.

Step 3



- Pull battery away from computer until it is fully removed.

Step 4 — Fan



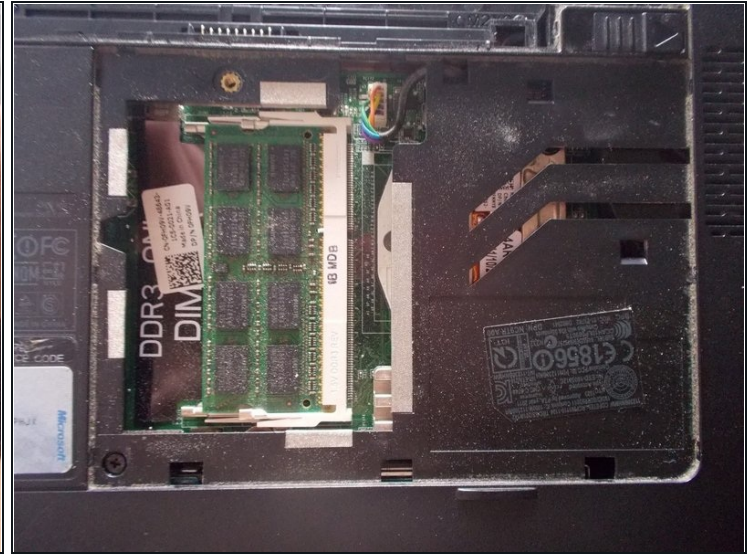
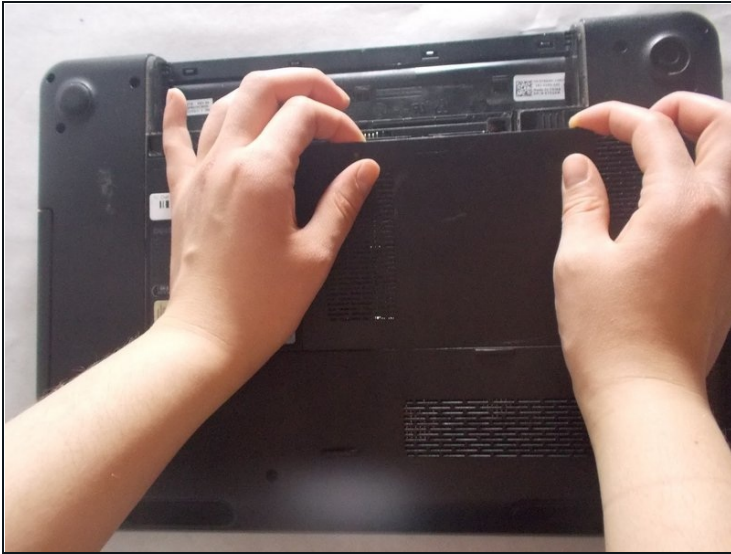
- Remove the 10 2.5x5 mm screws from the base of the laptop.

Step 5



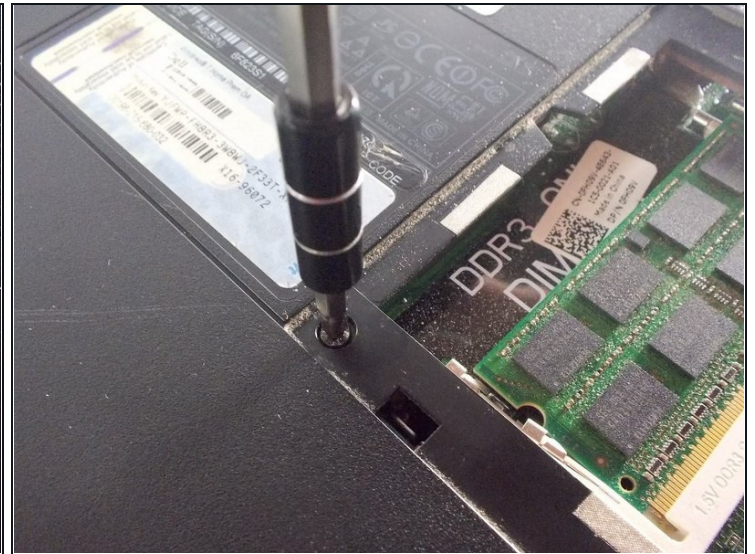
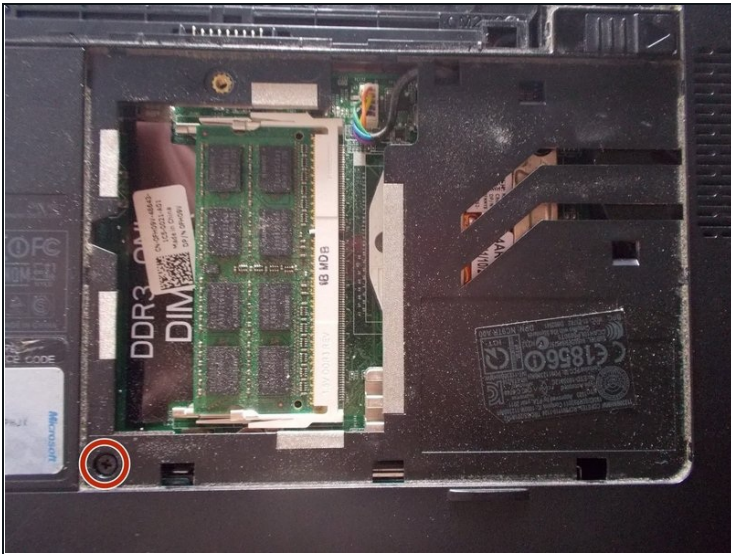
- Unscrew the final 2.5x5 mm screw attached to the cover.
 - ① This screw is "captive" and does not detach from the cover. Make sure the screw is fully unscrewed before attempting to remove the cover.

Step 6



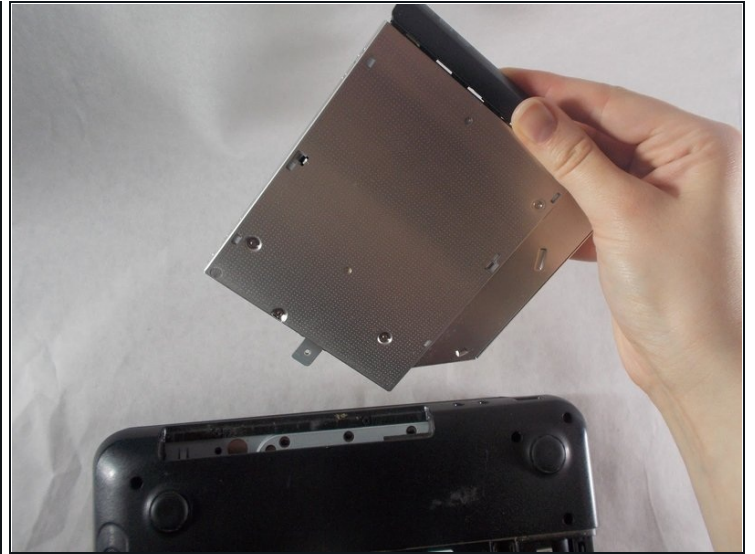
- Remove the cover from the laptop.

Step 7



- Unscrew the 2.5x5 mm screw inside the RAM compartment.

Step 8



- Remove the disk drive from the side of the computer.
- ① There is no need to press the button, the drive will come out.

Step 9



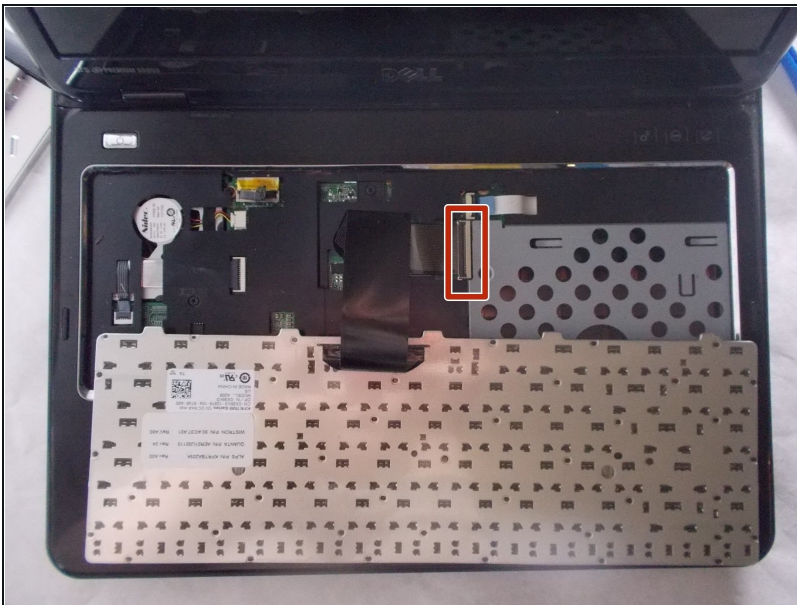
- Unscrew the two 2x3 mm screws inside the disk drive compartment.

Step 10



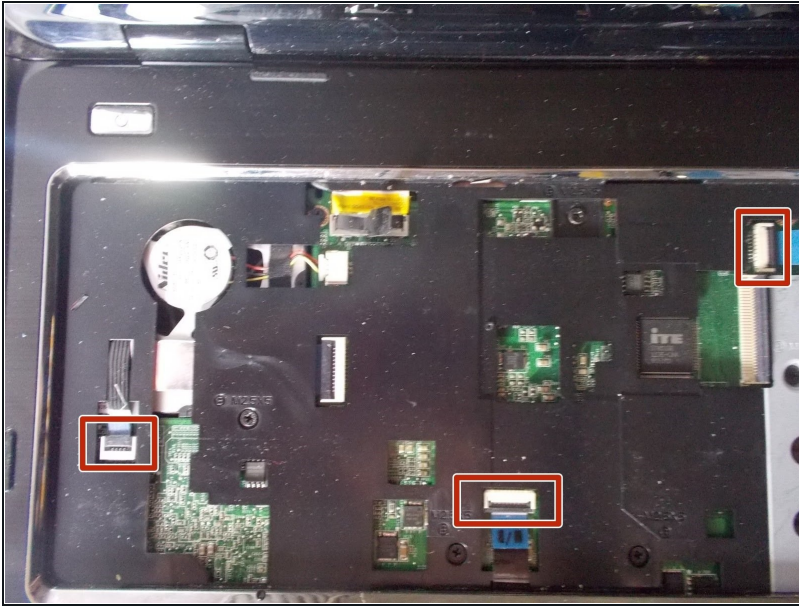
- Flip the computer over, and open the laptop.
 - Use a plastic opening tool to begin to remove the keyboard.
 - Use your hands to finish separating the keyboard from the laptop.
- ① This can be a bit challenging, but it will come loose.

Step 11



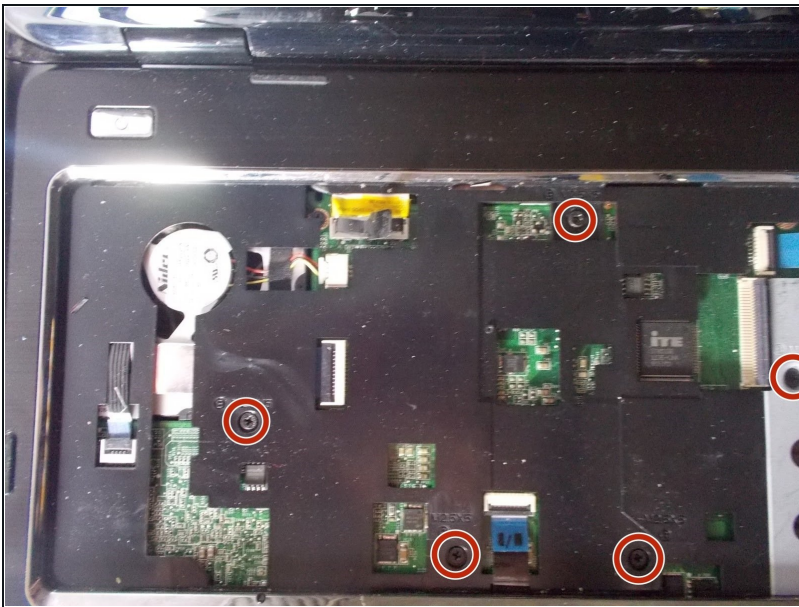
- Lift the black clip from the tan connection for the keyboard.
 - Pull the the connection away from the clip.
 - Move the keyboard away from the laptop.
- ① With the keyboard removed, consider this opportunity to more freely clean it out with some compressed air.

Step 12



- Lift the black clips from the tan connections for all 3 locations marked.
- Remove the connections from the clips.

Step 13



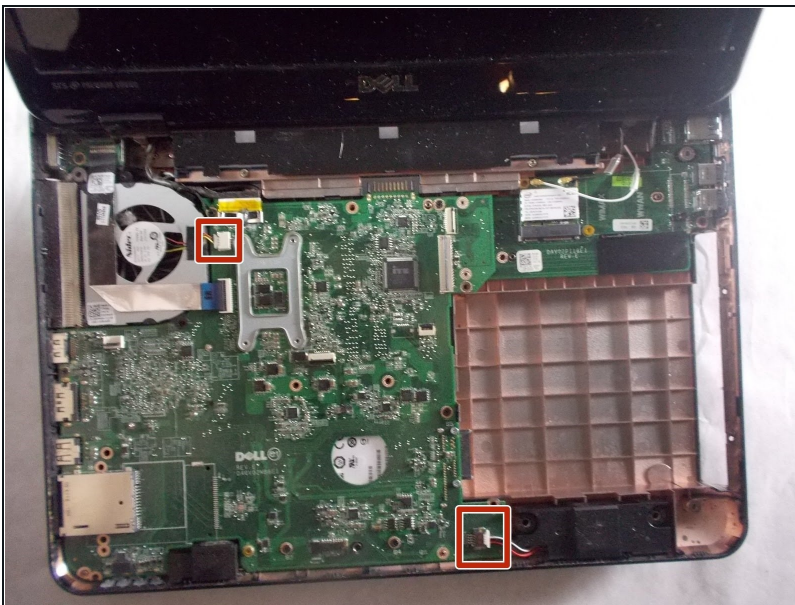
- Unscrew the five 2.5x5 mm screws.

Step 14



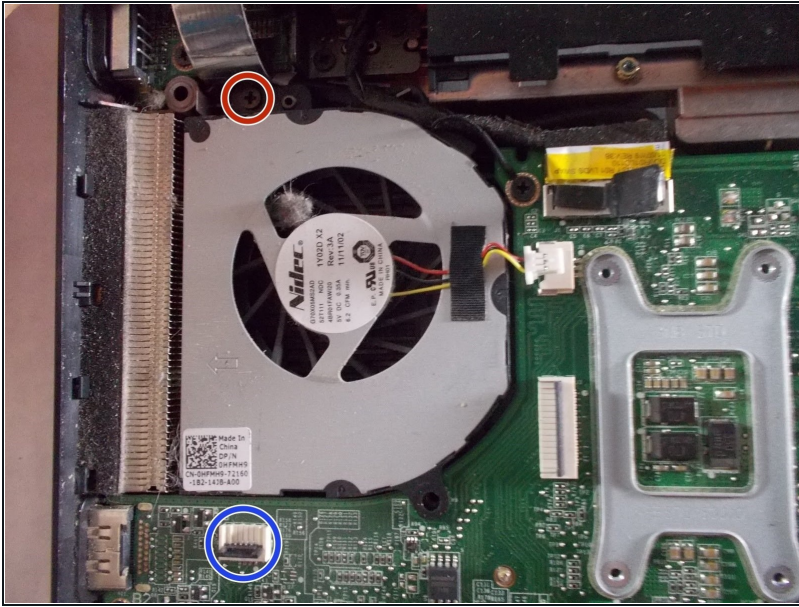
- Use plastic opening tools to remove base cover.
 - Use your hands to fully remove cover from the base.
- ⓘ This may be difficult, but it is possible.

Step 15



- Disconnect the two cables that connect the speaker and the fan.
- ⓘ These can just be pulled out, they do not have clips.

Step 16



- Disconnect the ribbon cable over the screw to reveal it. Flip up the latch and pull gently on the ribbon to remove it from the connector.
- Unscrew the 2.5x5 mm screw from the fan.

Step 17



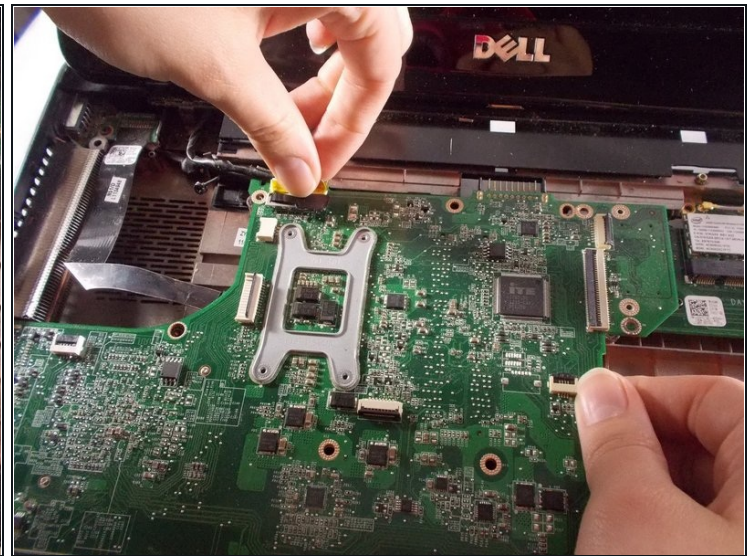
- Pull up and remove the fan from the laptop.

Step 18 — Motherboard



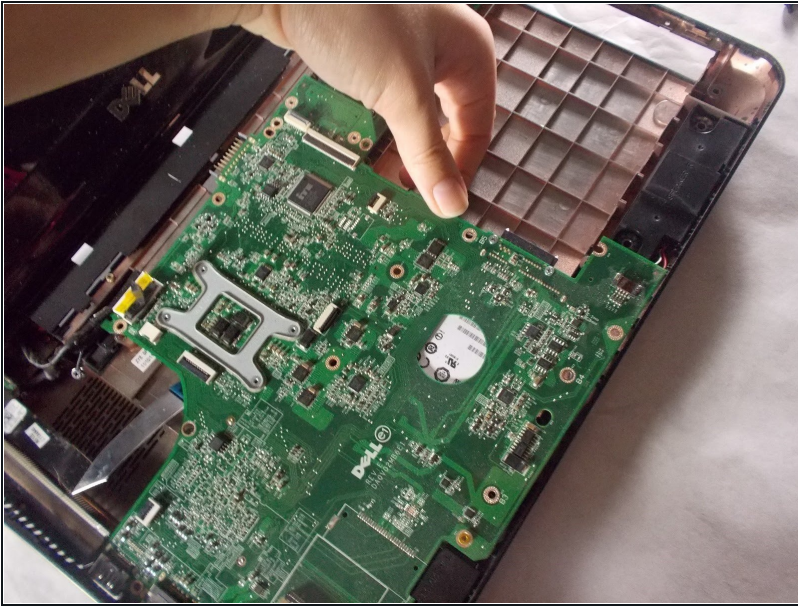
- Unscrew the six 2.5x5mm screws from the motherboard.
- Note that this screw may be "retained" by the loop at the end of the grounding wire.

Step 19



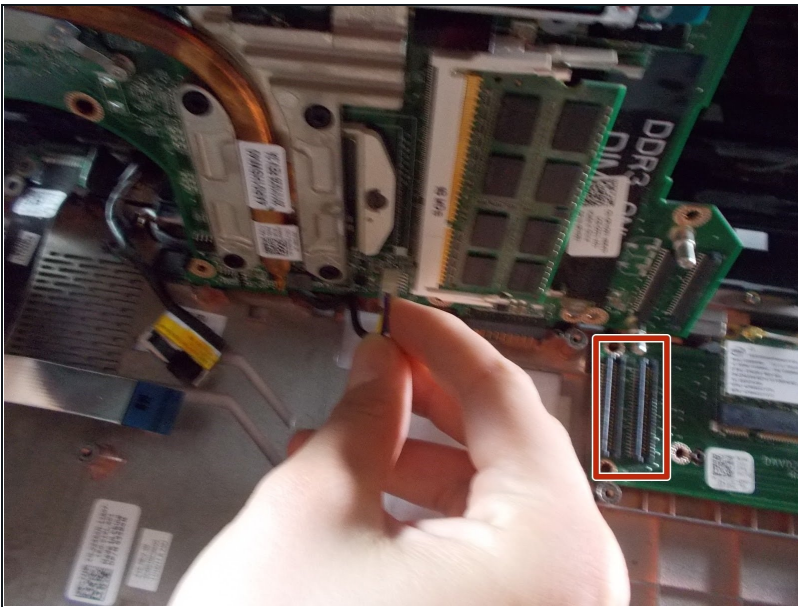
- Disconnect the black and yellow cable from the motherboard.

Step 20



- Begin to separate the motherboard from the laptop
- ① Pull up to separate from the other internal pieces, and then pull to the right away from the case

Step 21



- Remove the final cable from the motherboard
- ① This will allow the motherboard to fully come out of the computer

⚠ When reinstalling motherboard, ensure the two connectors are precisely aligned with the daughterboard below. If slightly misaligned, you may bend the pins on the daughterboard connector.

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