Dell Inspiron M5110 Fan Compartment Replacement

An explanation of how to remove and replace the fan compartment of the Dell Inspiron M5110.

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🔧 TOOLS:

- Phillips #0 Screwdriver (1)
- iFixit Opening Tools (1)

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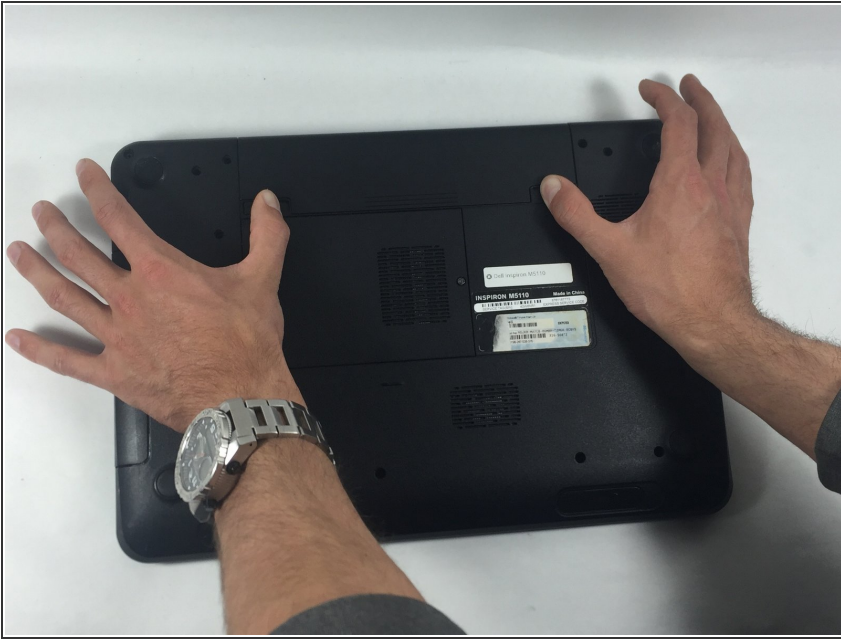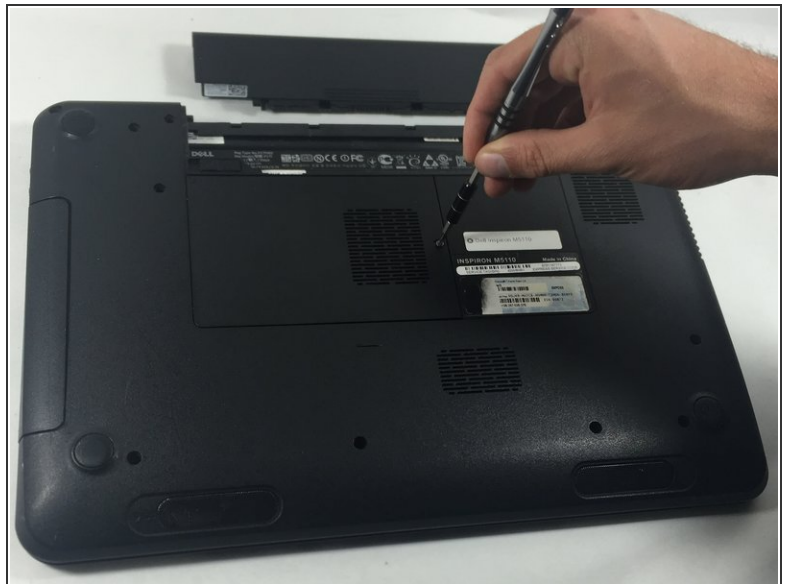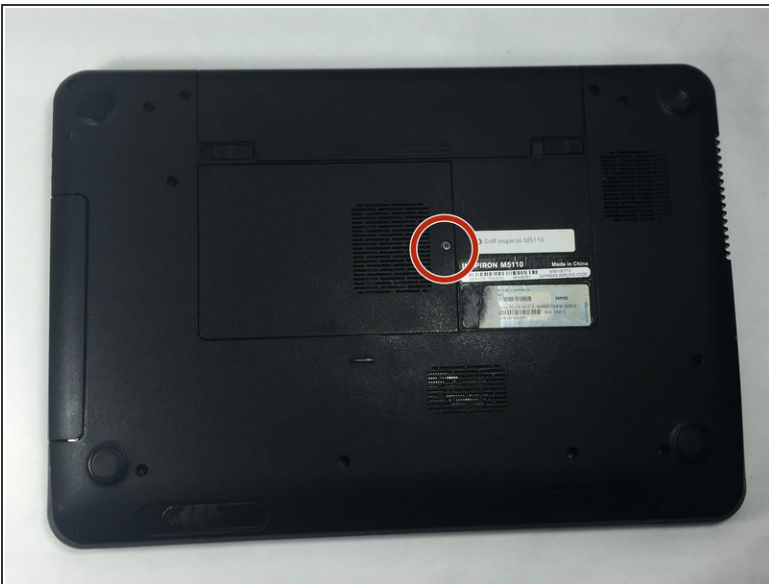
Step 1 — Battery

- Shut down the computer and turn it upside down.

Step 2

- Slide both of the battery release latches on the bottom of the device in towards the center of the computer.

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Step 3

● Slide and lift the battery up and out from the device.

Step 4 — Module Cover

● Remove the 5 mm Phillips # 0 screw in the middle of the device.

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Step 5

- Remove the module cover pressing in the release tabs and pulling the cover up and away from the base of the device.

Step 6 — Optical Drive
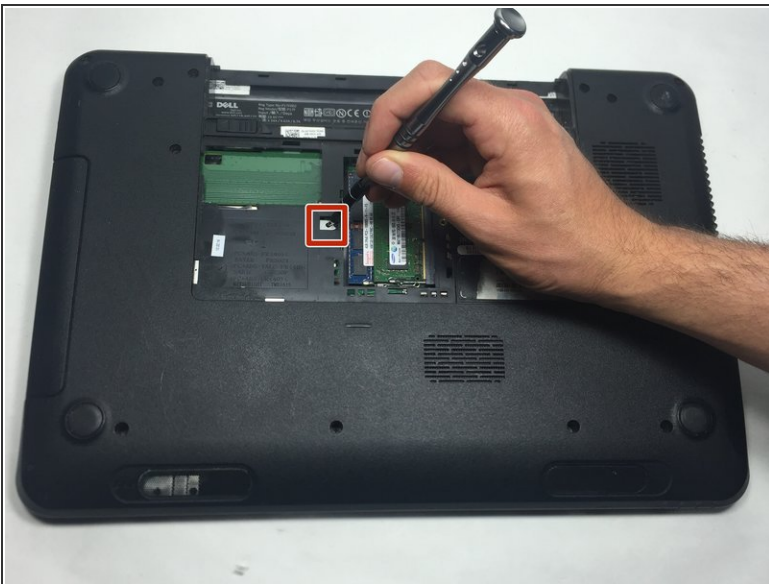
- Insert a small screwdriver into the hole and slide the optical drive away from the center of the device. This will slide the optical assembly out from the side of the device.

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Step 7
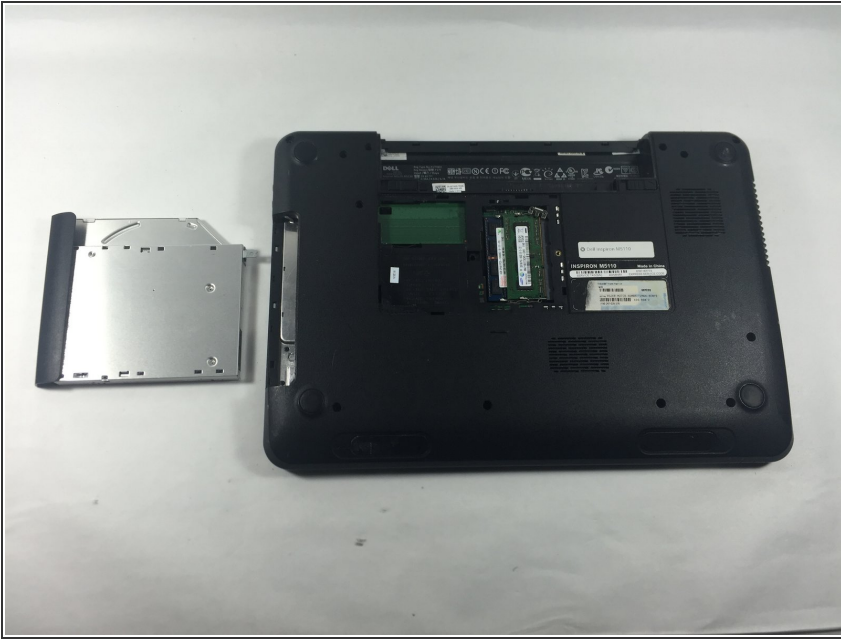
- Slide the optical drive assembly the rest of the way out of the device.

Step 8 — Fan Compartment

- Flip the laptop over and open it to reveal the keyboard.

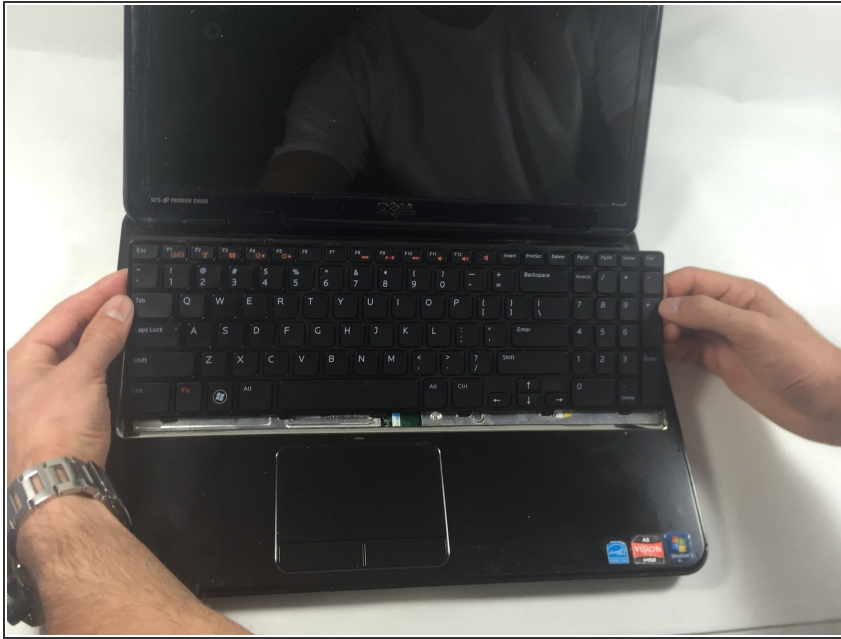- Open the computer and push the screen back as far as possible.

Step 9

● Slide a plastic opening tool into the slots on the top of the keyboard.

Step 10

● Pry the keyboard away from the device using the plastic opening tool.

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Step 11

- Lift and slide the keyboard towards the screen to remove the tabs on the keyboard from the slots on the palmrest.

Step 12

- Flip the keyboard over and place it on the front of the device making sure not to pull out the keyboard-cable.

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Step 13

- Lift up the connector latch and remove the keyboard cable. The keyboard is now free from the device.

Step 14

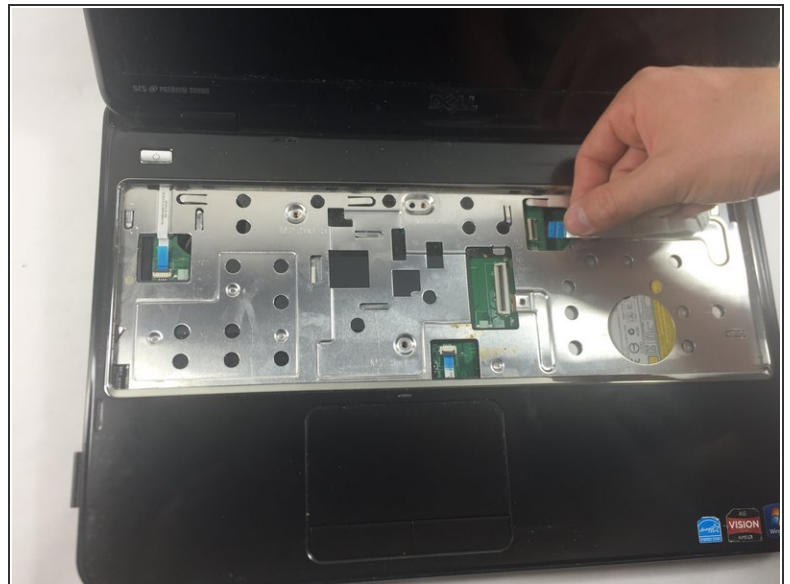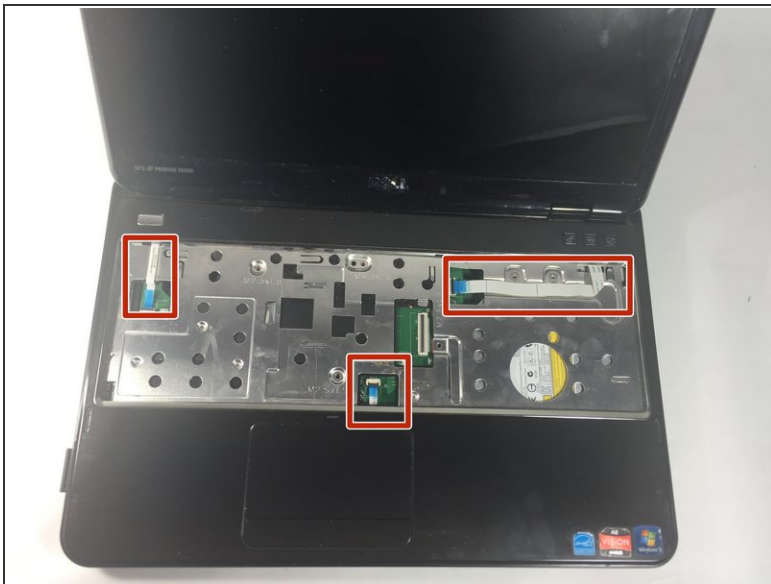- Turn the computer over and remove the twelve 5 mm Phillips # 0 screws on the back of the device.

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Step 15

- Turn the computer over and open the display as far as possible and remove the four 5 mm Phillips # 0 screw holding the palmrest in place.

Step 16

- Disconnect the power button board cable, touch pad cable and the hot key board cable from the connectors.

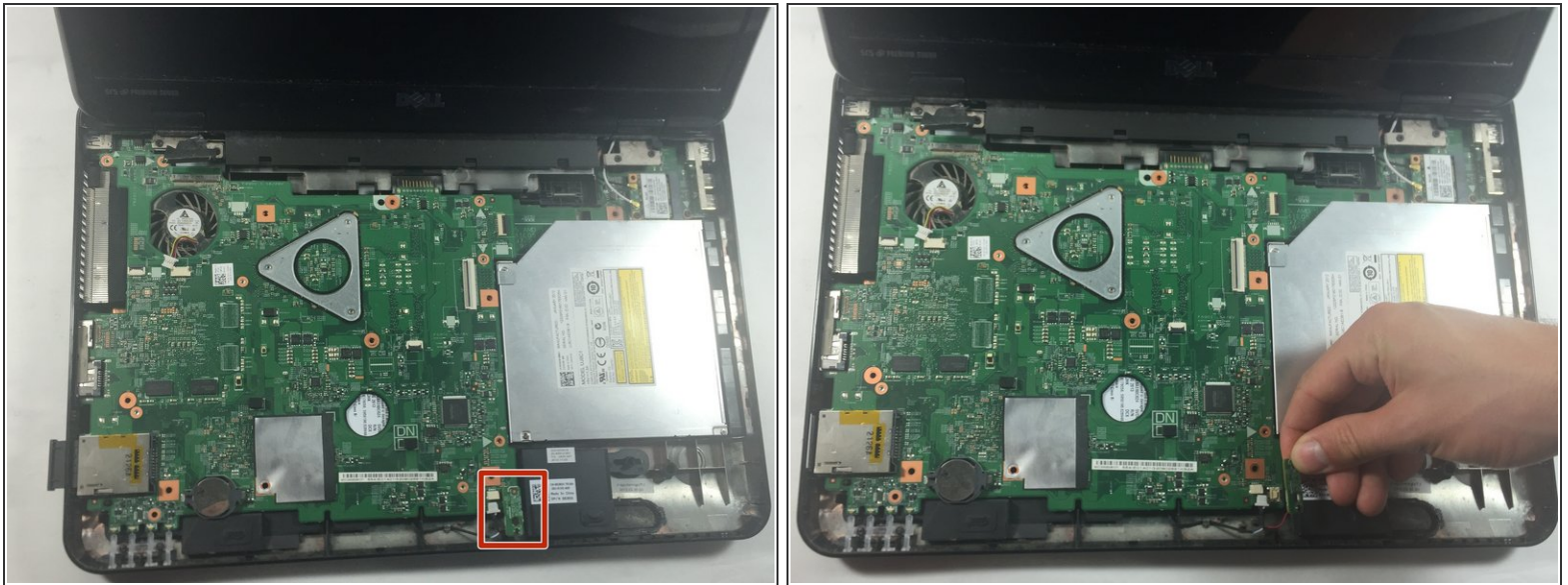This document was generated on 2019-10-28 06:39:02 PM (MST).

Step 17

- Use a plastic opening tool to carefully pry out the palmrest assembly and lift it off the computer base.

Step 18

- Unscrew the five 5 mm Phillips # 0 screws located in the red circles, found on the system board.

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Step 19

- Unplug the small, green, rectangular Bluetooth receptor chip attached towards the bottom right hand corner of the system board.

- Grasp the chip by placing your forefinger under the chip and thumb on the top, lightly pulling the chip upwards away from the device.

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Step 20

- Unplug the small white cable connected to the fan in the upper left hand corner and to the speaker in the lower right hand corner of the device.

- ⓘ Use tweezers to unplug the cables if they are hard to remove by hand or if you cannot grasp them.

Step 21

- Disconnect the black and white antenna cables from the Mini Card.

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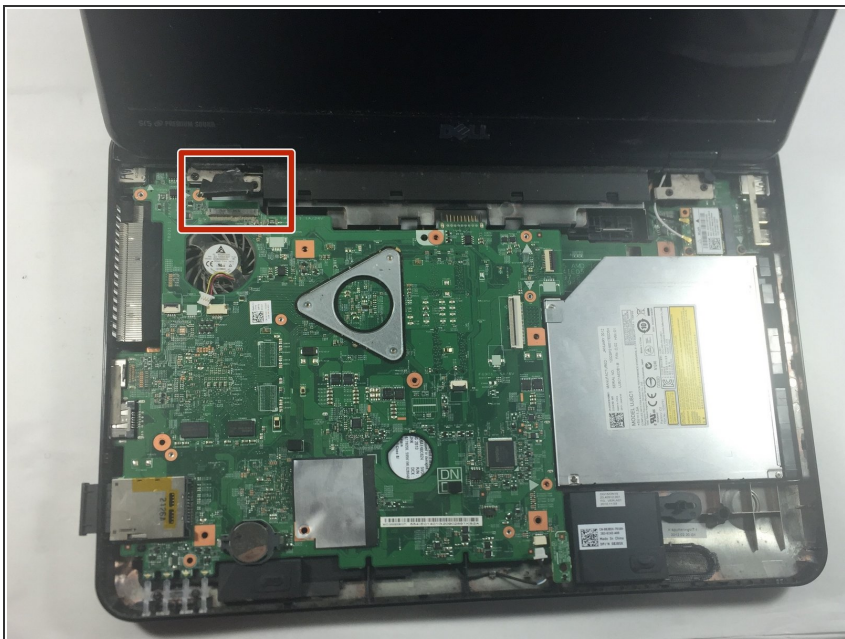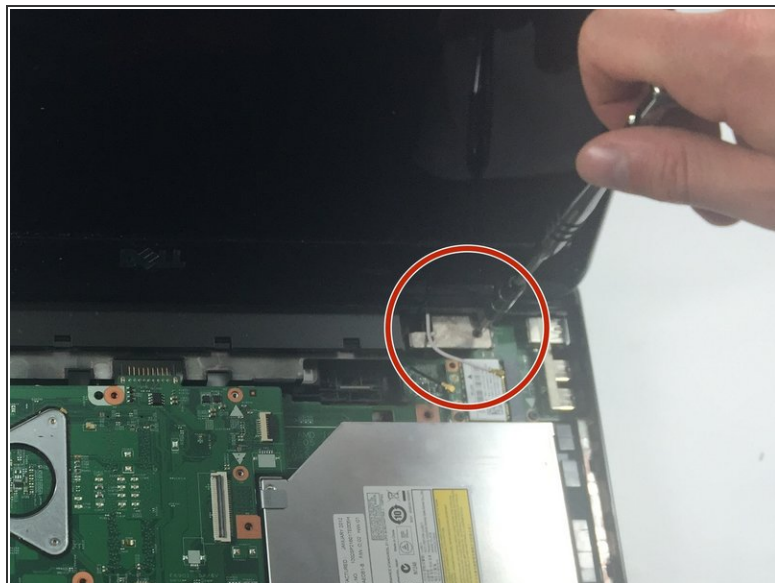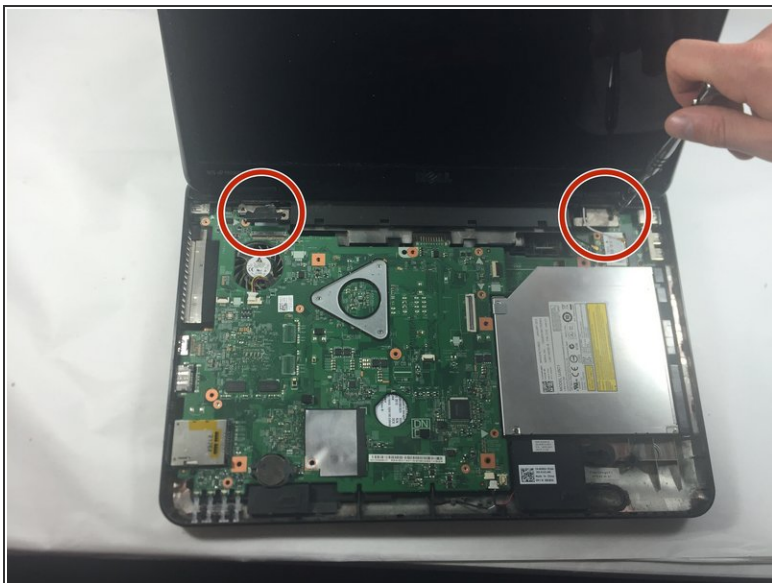
Step 22

- Unplug the rectangular black LCD cable attached to the main board towards the upper left hand corner.

Step 23

- Remove the SD card by pressing the SD card slot, on the side of the device, inside the device until you hear a click. Then release your pressure on the slot then gently slide the SD card out.
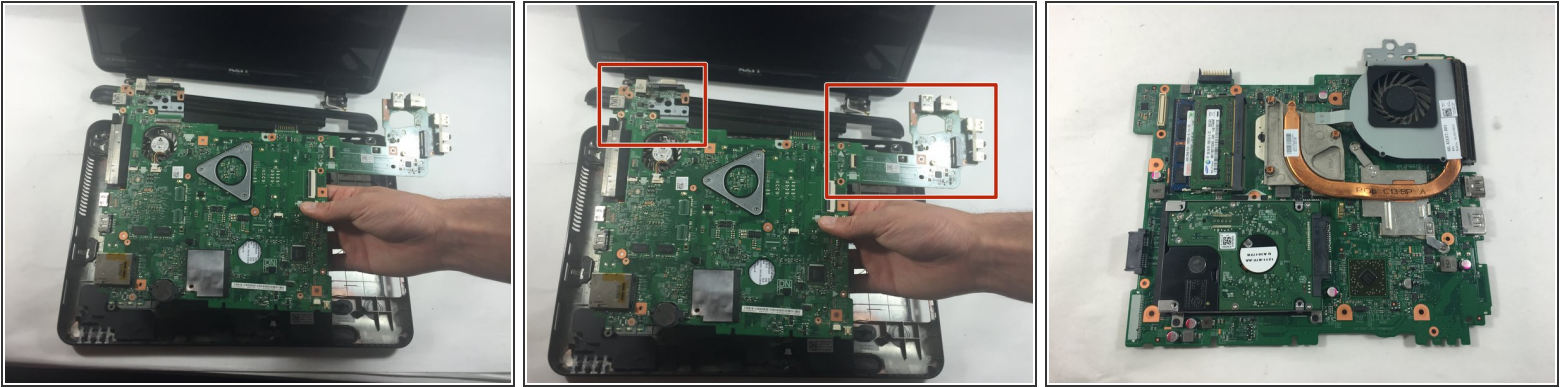
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Step 24

- There are two 5 mm Phillips # 0 screws on each hinge.

- Unscrew the four 5 mm Phillips # 0 screws holding the hinge that keeps the monitor in place.

Step 25

- Remove the monitor carefully.

- Pull up and away on the black hinge cover with moderate force to release from the device.

Step 26

- Remove the system board from the laptop.

- Disconnect the two minor boards, the VGA/Power Board on the left, and the I/O Board on the right, attatched to the system board.

- Flip the system board over revealing the fan compartment and the hard drive.

Step 27
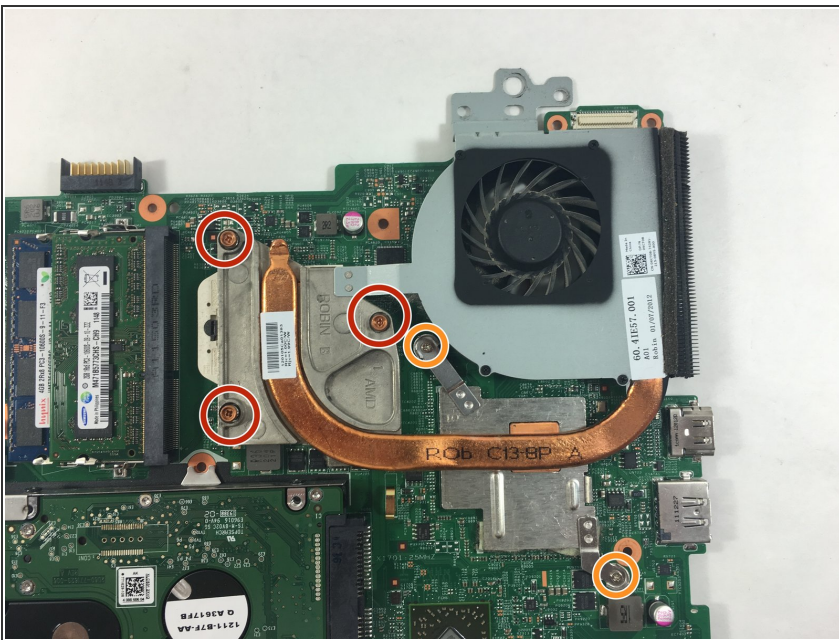
- Remove the fan compartment from the main board by turning the three gold Phillips # 0 screws until they dislodge from the system board.

- The gold screws will spin continuously when they are dislodged.

- ⓘ The three gold screws will not seperate from the the fan compartment.

- Unscrew the two silver 2 cm Phillips # 0 screws.

Step 28

- Lift the fan compartment up to remove it from the systemboard.

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