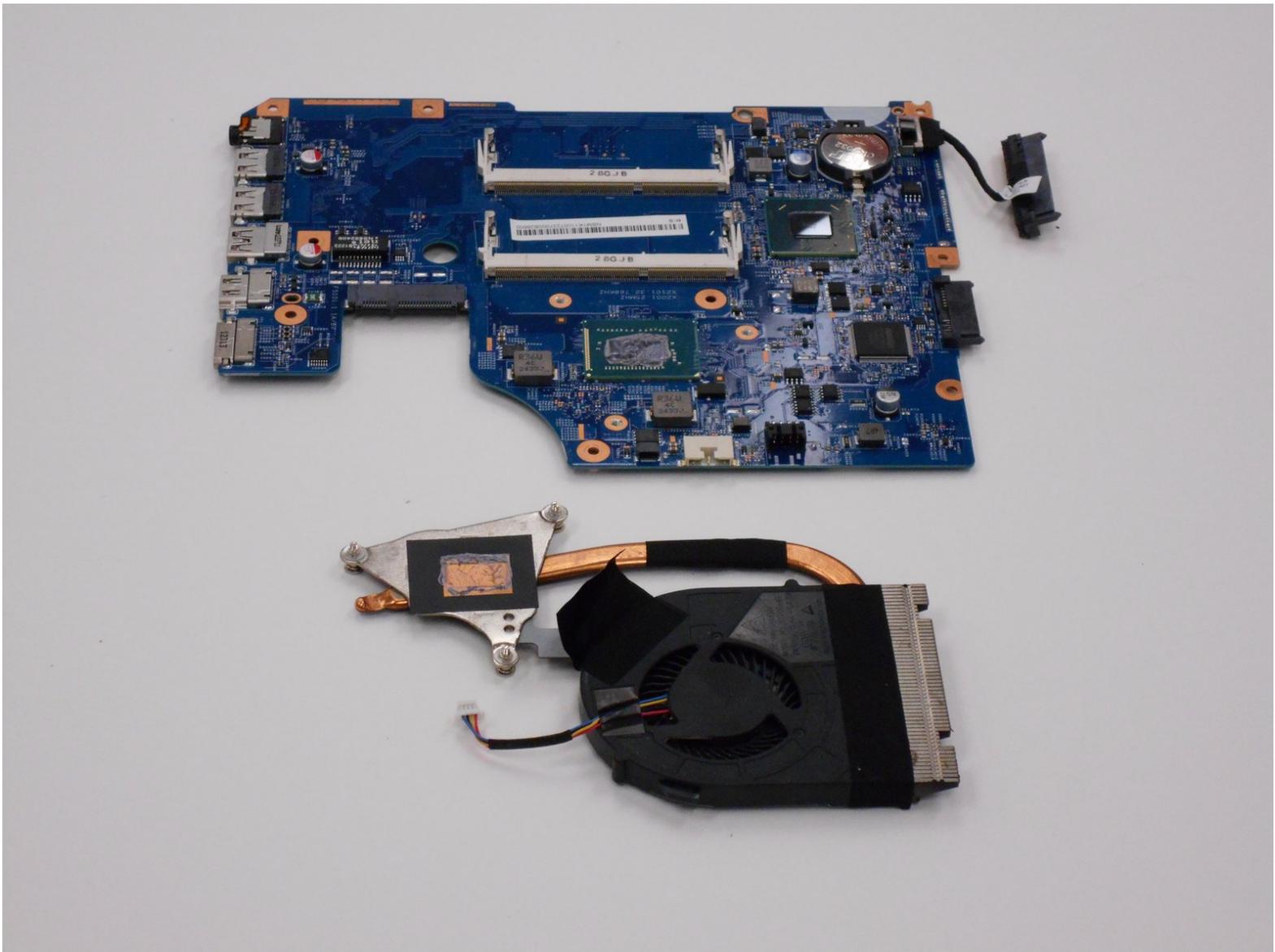# Acer Aspire V5-571-6891 Cooling System (CPU Fan) Replacement

The CPU fan keeps the computer from overheating. Replacing a bad fan will improve the computer functioning.
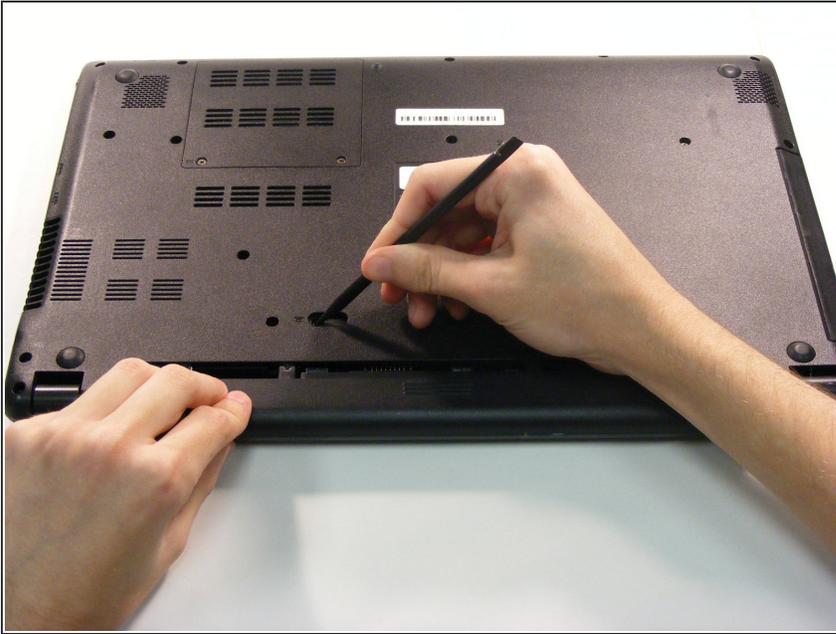
Written By: Josh Focht

INTRODUCTION

Step by step guide showing how to replace the CPU fan. This should help prevent the computer from overheating and randomly shutting off.

🔧 TOOLS:

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

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Step 1 — Battery

- Use the pointed end of the spudger to slide the battery lock until the battery pops loose.

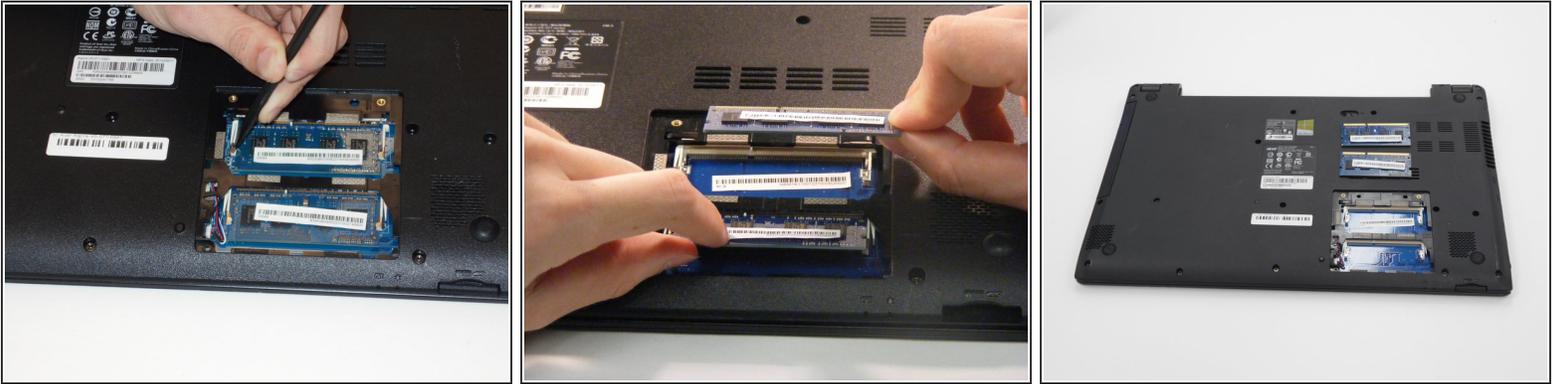## Step 2

- Slide the battery out of the battery slot.

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Step 3 — RAM

- Unscrew the two RAM 6mm cover screws.
- Use a PH1 screw bit.

Step 4

- Pop the RAM cover off.
- Use the plastic opening tool.

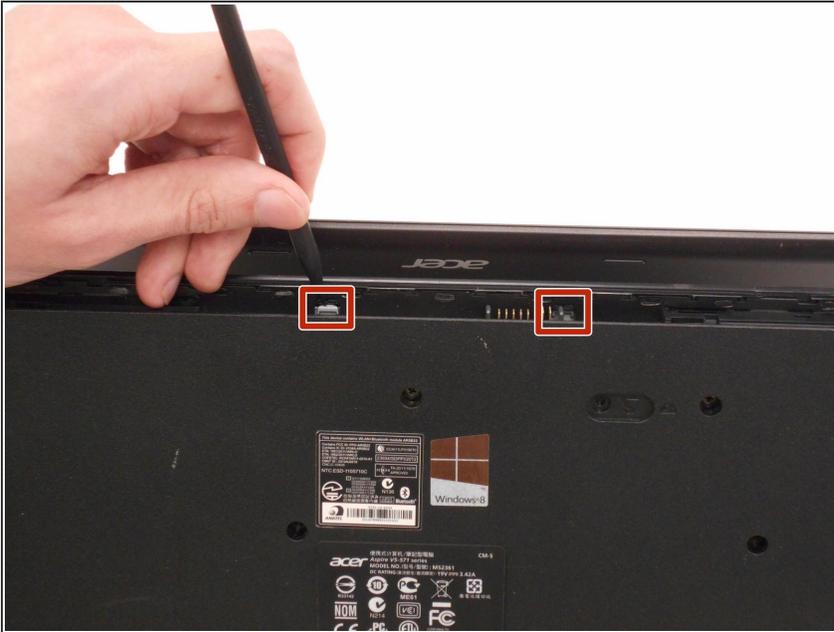This document was generated on 2019-09-24 03:27:54 AM (MST).

Step 5

- Use either the spudger or your fingers to pinch the clips away from the RAM chip on either side of each chip.

  - The chip should pop up.

  ⚠️ The clips break easily.

- Slide the RAM memory chips out of the slots.

Step 6 — Keyboard

- Remove the two 6mm PH1 screws from the bottom of the laptop.

www.iFixit.com

Step 7

- Use the spudger, push the two tabs, located in the battery slot, through their slots to release the keyboard.
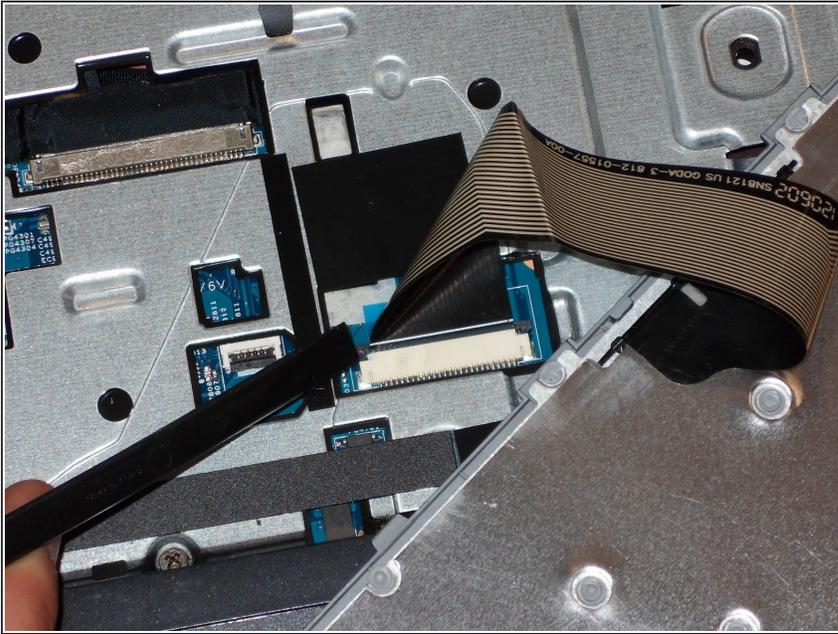 - Do this with the computer slightly open for ease.

Step 8

- Open the laptop.

- Start top of the keyboard and use the opening tool to pop the remaining tabs around the keyboard loose.

- The keyboard can be flipped onto its face once removed.
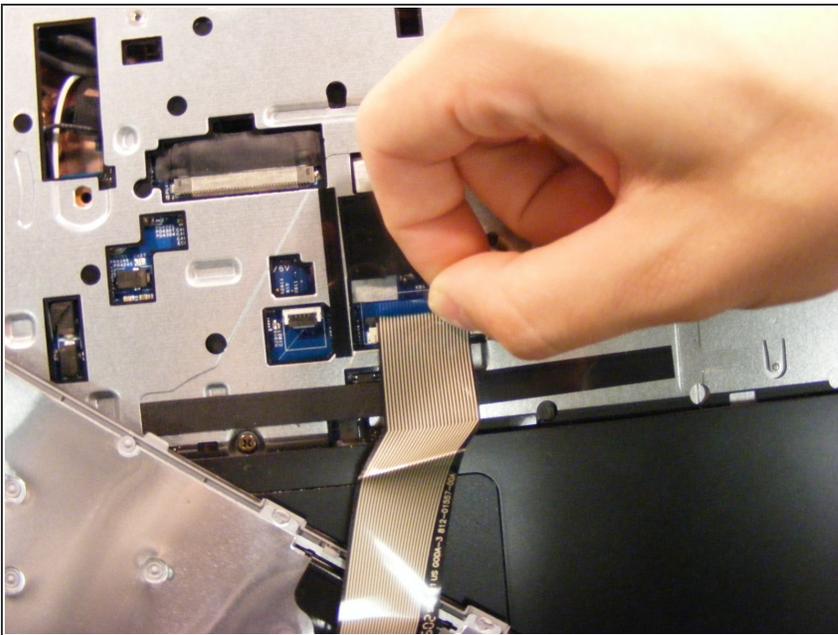
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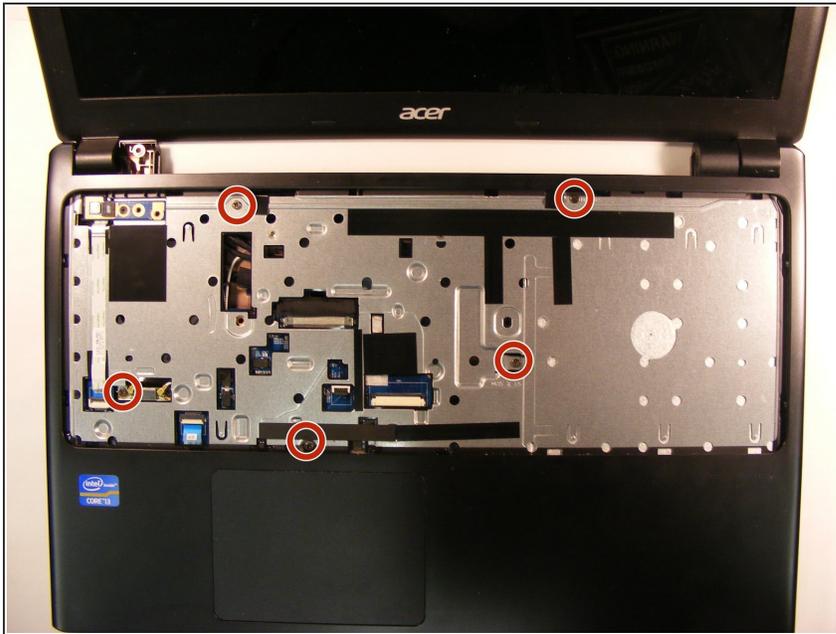
Step 9

- Use the spudger and slide the grey tabs on either side of the keyboard wires away from the white plastic.
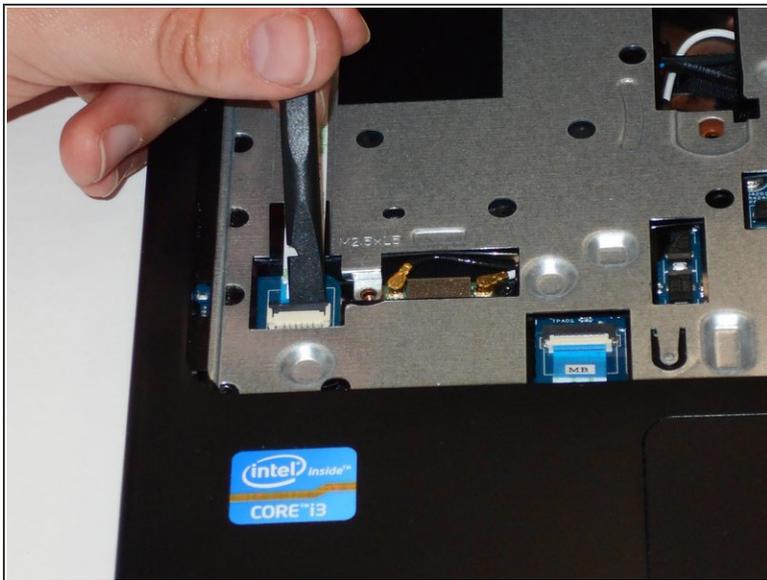
Step 10

- Disconnect the keyboard by pulling the blue tape on the wire strip.
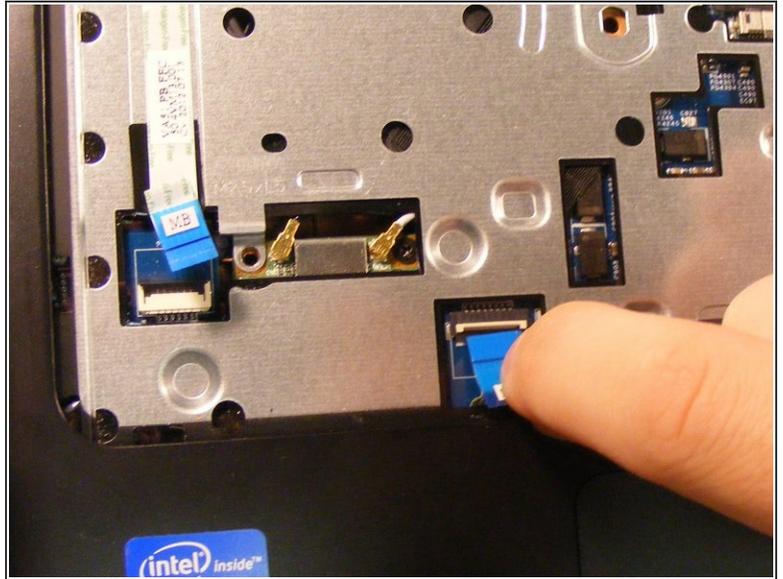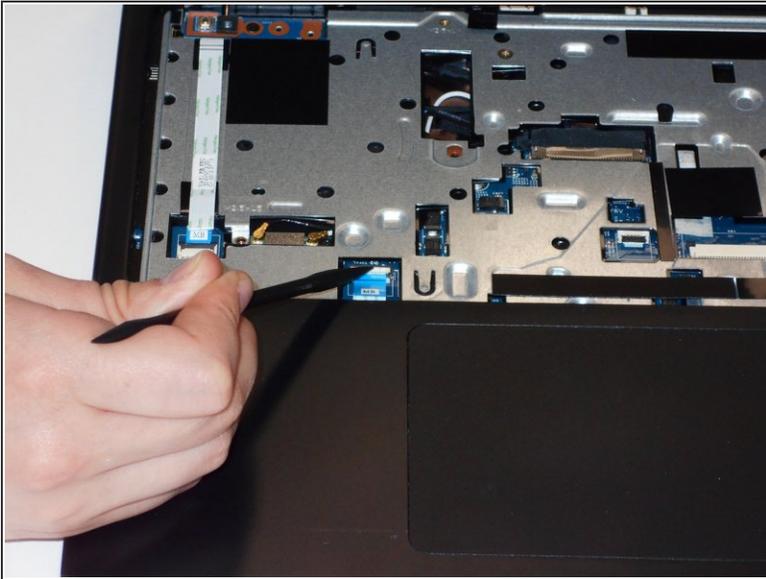
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Step 11 — Hard Disk Drive (HDD)

- Remove the five 6mm PH1 screws beneath the keyboard.

Step 12

- Use the spudger to pop the gray tab up and away from the far left wire strip.

- Disconnect the wire strip by pulling the blue tab loose.

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Step 13

- Use the spudger to pop the white tab up away from the wire strip located at the top left corner of the mouse pad.

- Disconnect the wire strip by pulling the blue tab.

Step 14

- Close the laptop.

- Remove the remaining 18 6mm PH1 screws from the bottom cover of the laptop.

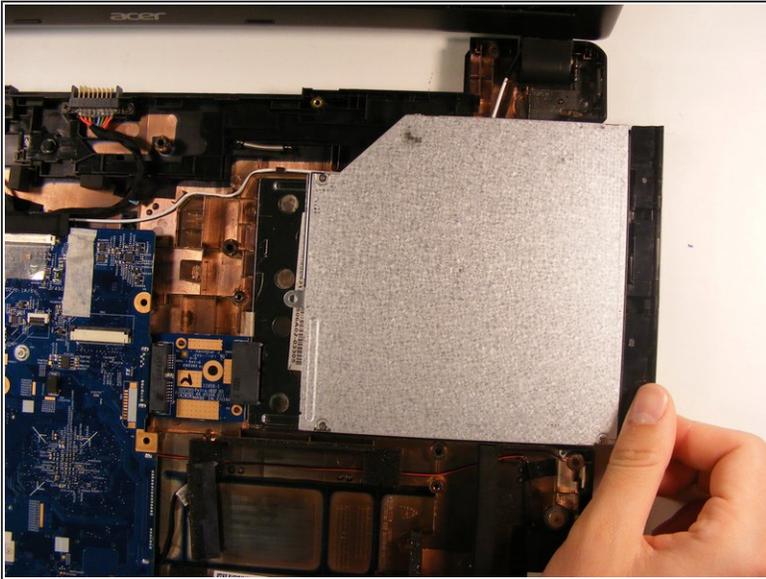This document was generated on 2019-09-24 03:27:54 AM (MST).

Step 15

- Use the opening tool to separate the back of the laptop from the inside cover.

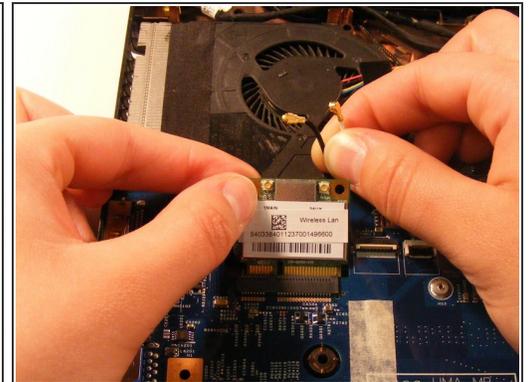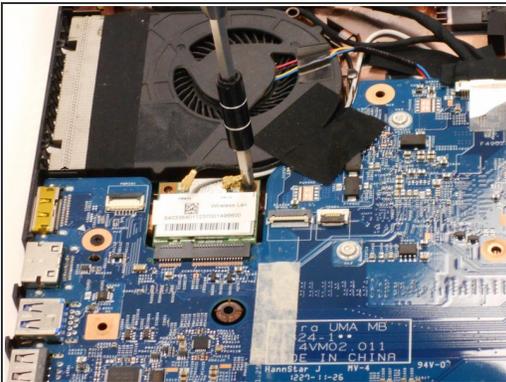- Open the computer and remove the inside cover.

Step 16

- Lift the HDD out of the base and use the opening tool to disconnect the HDD from the motherboard wire.

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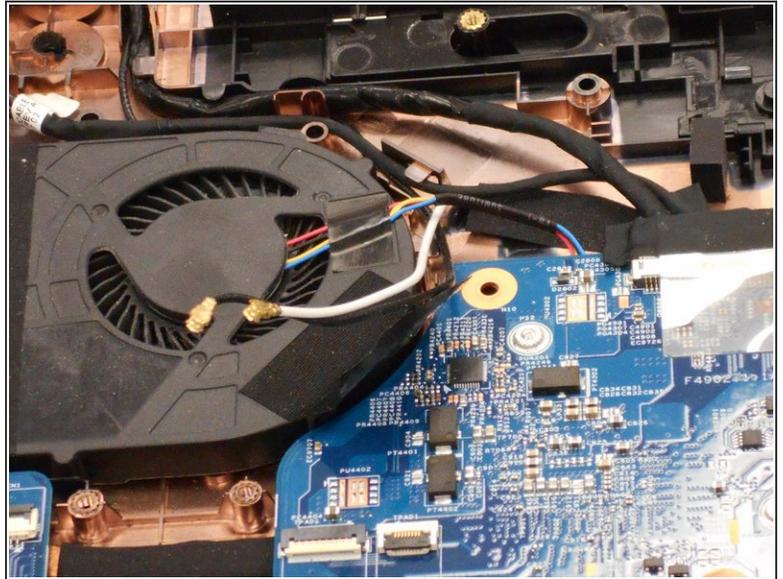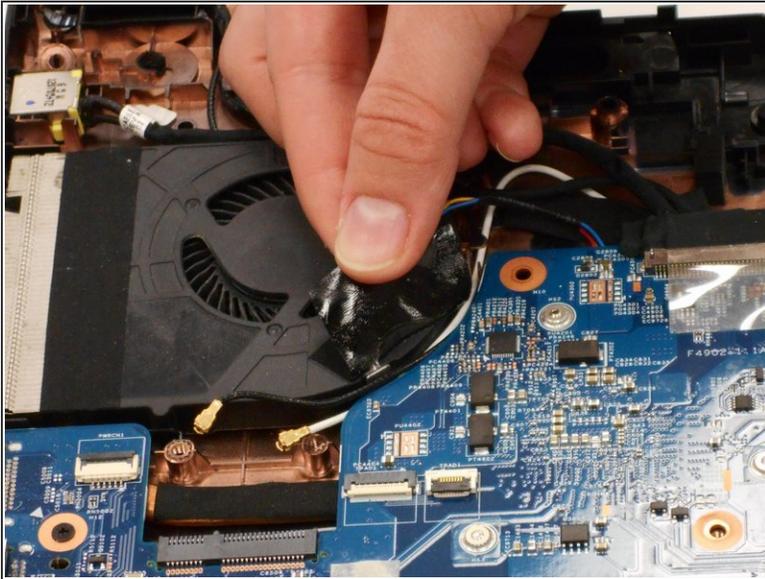
Step 17 — CPU Fan

- Slide the optical disc drive out of the slot to disconnect it from the motherboard.

- Unscrew the main 3.5mm PH1 screw from the motherboard.
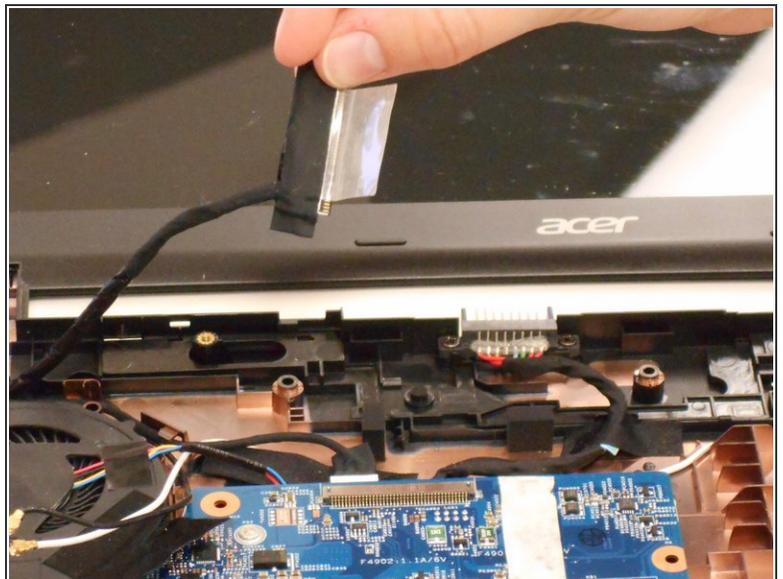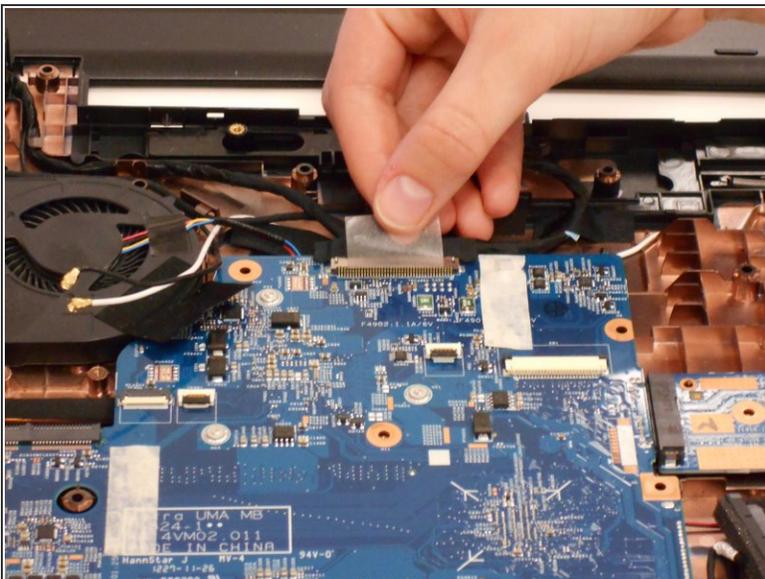
Step 18

- Unscrew the 3.5mm PH1 screw from the Wireless Lan chip.

- Use the opening tool to pop both wires off of the Wireless Lan chip.

- Pull the Wirelss Lan Chip to remove it from the motherboard.

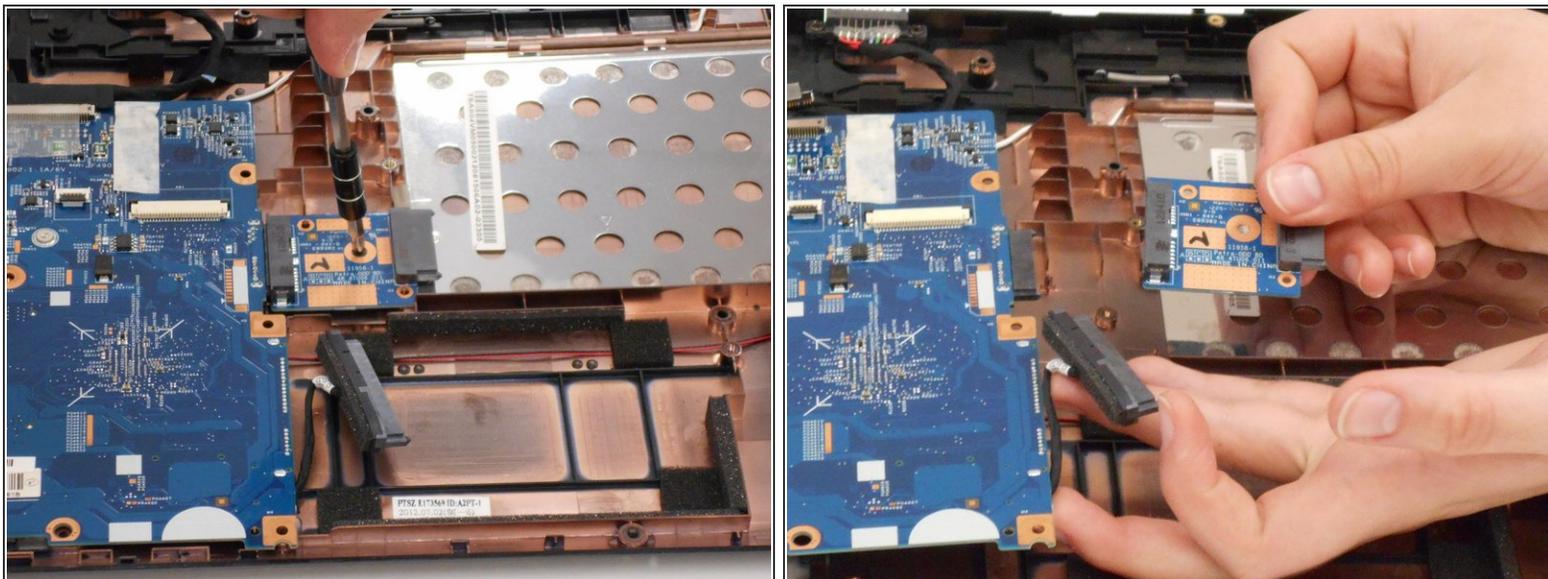This document was generated on 2019-09-24 03:27:54 AM (MST).

Step 19

- Pull the tape covering the wires for the Wireless Lan chip up.
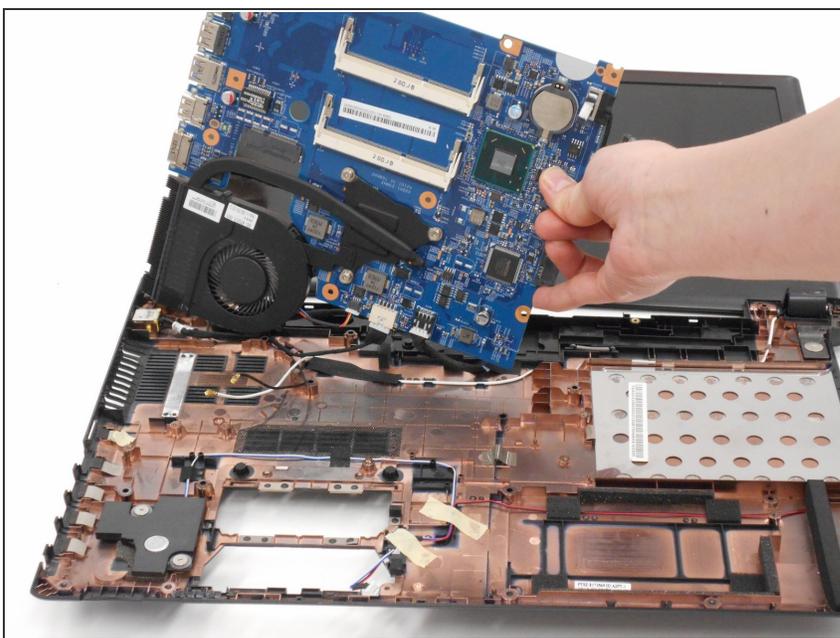
- Pull the black and white wires loose.

Step 20

- Pull up the tape securing the optical wires to the motherboard.

- Disconnect the wire plug-in from the motherboard.

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Step 21

- Unscrew the 3.5mm PH1 screw securing the optical disk drive to motherboard connector.

- Pull the connector to disconnect it from the motherboard.

Step 22

- Flip the motherboard up towards the screen to access the underside.

  ⚠ There are still wires connected to the motherboard.

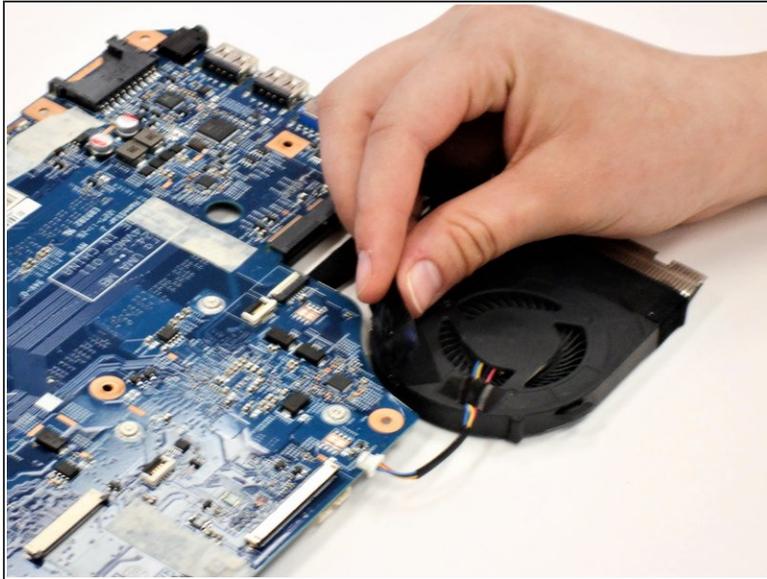This document was generated on 2019-09-24 03:27:54 AM (MST).

Step 23

- Use the spudger to disconnect the remaining three wires from the motherboard.

- Once the wires are disconnected, the motherboard is completely disconnected from the laptop frame.

Step 24

- Unscrew the three PH1 screws connecting the CPU fan to the motherboard.

- ⓘ The three screws are permanently attached to the CPU fan assembly.

Step 25

- On the side opposite the CPU fan screws, pull loose the tape securing the fan assembly to the motherboard.

  📌 This is the same tape that covered the Wireless Lan chip black and white wires.

- The CPU fan can now be separated from the motherboard.

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