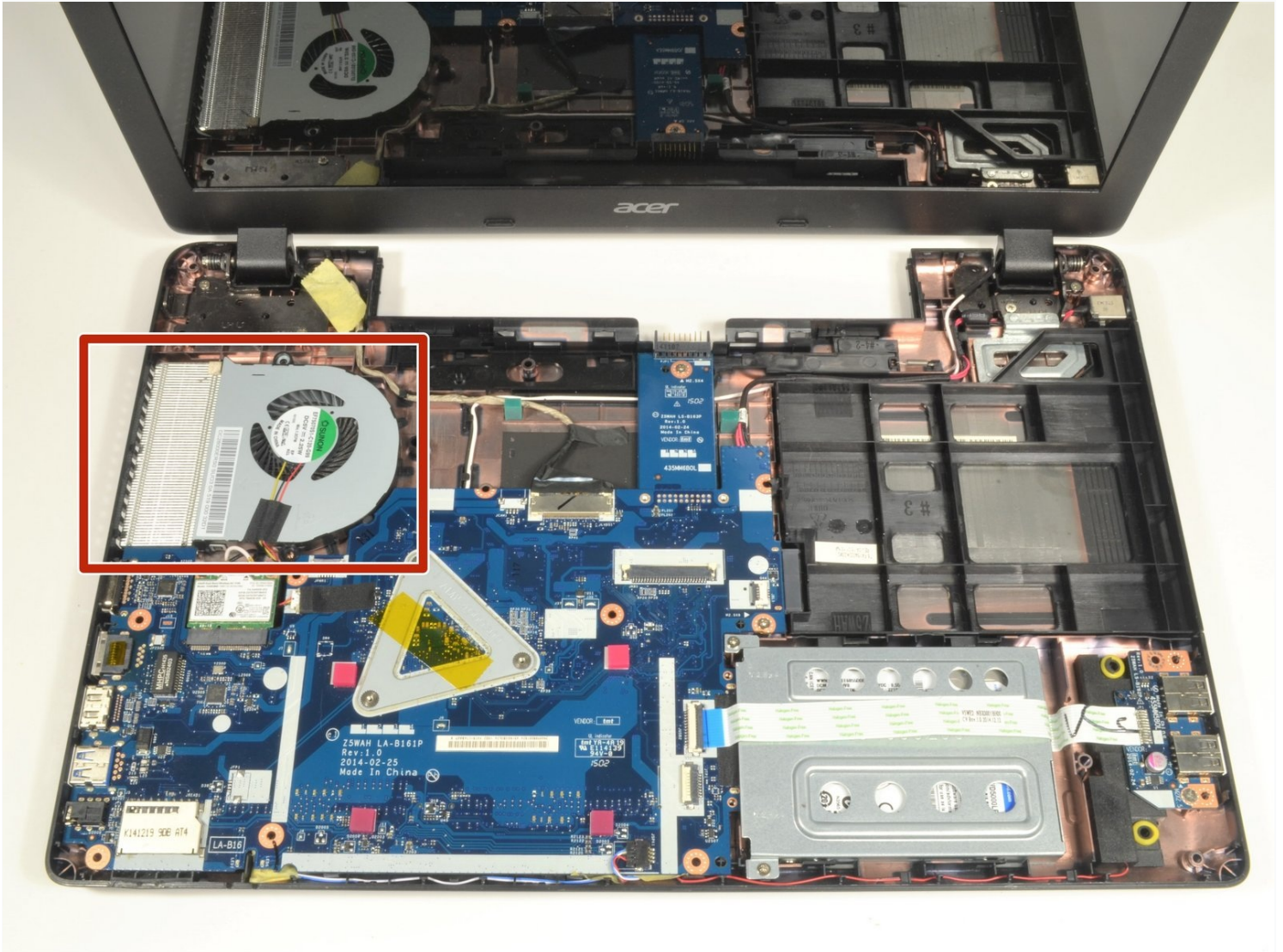




Acer E5-571-54FL Cooling Fan Replacement

Is your laptop overheating? Are you hearing...

Written By: Aaron Weissman



INTRODUCTION

Is your laptop overheating? Are you hearing strange noises coming from inside the case? It may be time to replace your CPU Cooling fan.

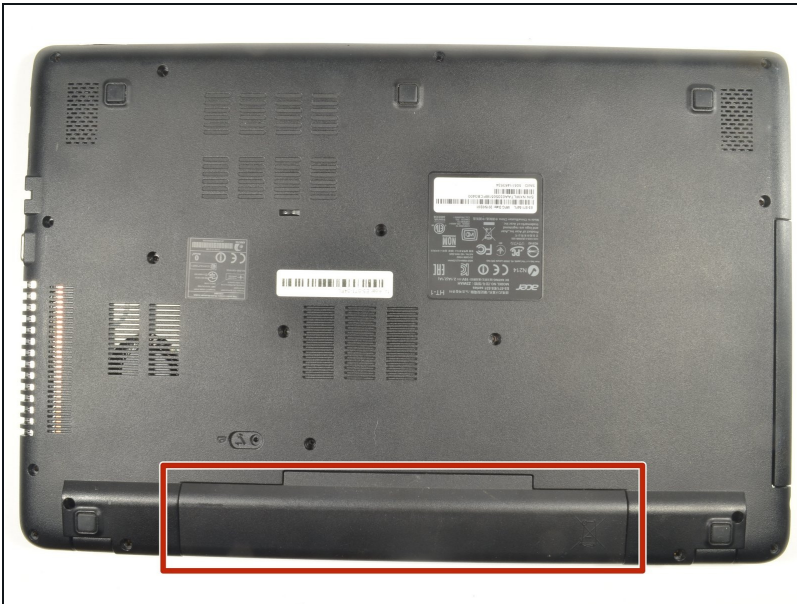
TOOLS:

[Phillips #0 Screwdriver](#) (1)
[iFixit Opening Tool](#) (1)
[Metal Spudger Set](#) (1)
[Tweezers](#) (1)

PARTS:

[Acer E5-571 Cooling Fan](#) (1)
CPU Cooling Fan

Step 1 — Battery



- Power down the laptop prior to beginning.
- Turn the laptop over with the battery closest to your body.

Step 2



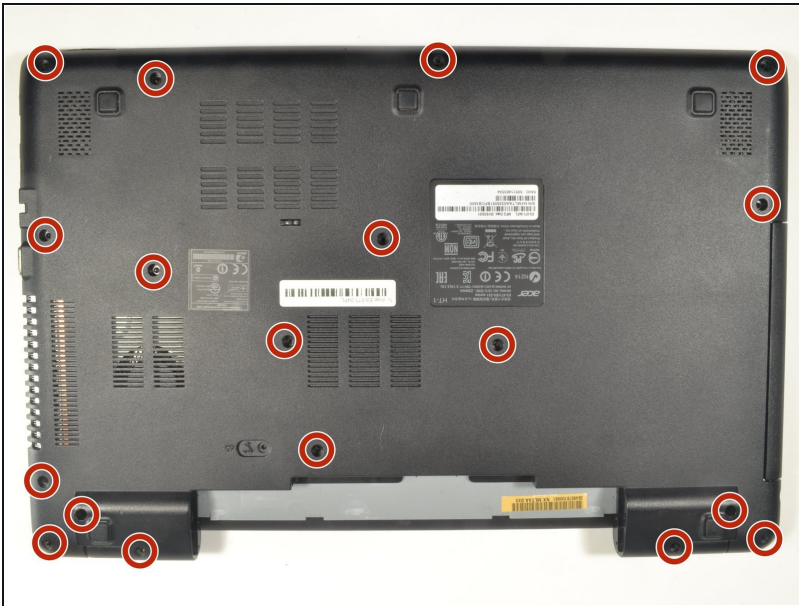
- Insert the pointed end of a spudger into the battery release.
 - Slide the release gently all the way to the left.
- ❗ You should hear a sound after the slide is all the way left. This lets you know the battery has disengaged.

Step 3



- Place your hands on each end of the battery.
- Pull the battery towards your body to remove it.

Step 4 — Keyboard



- Using a #0 Phillips screwdriver, remove a total of eighteen identical 8mm Phillips screws and set them aside.

Step 5



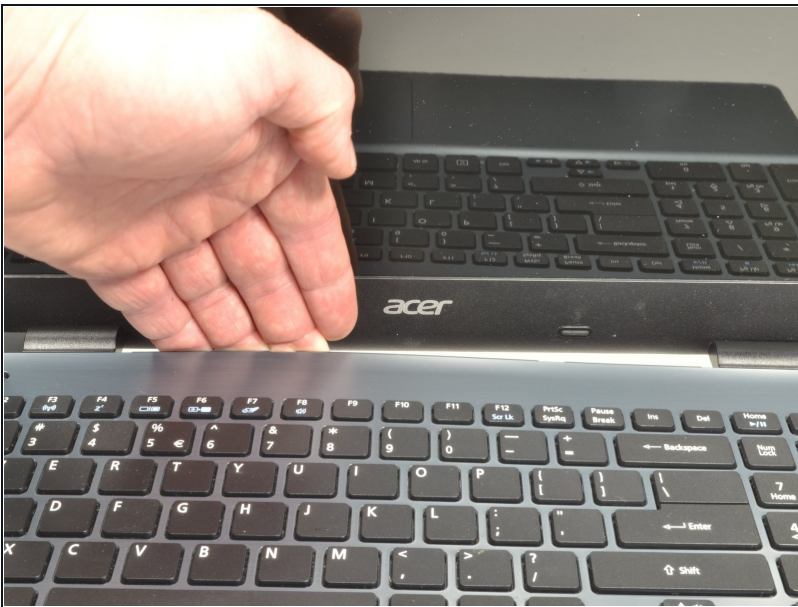
- Rotate the laptop 180 degrees so that the battery compartment is now furthest away from your body.

Step 6



- Turn the laptop over so that you can easily open the screen to a vertical position.

Step 7



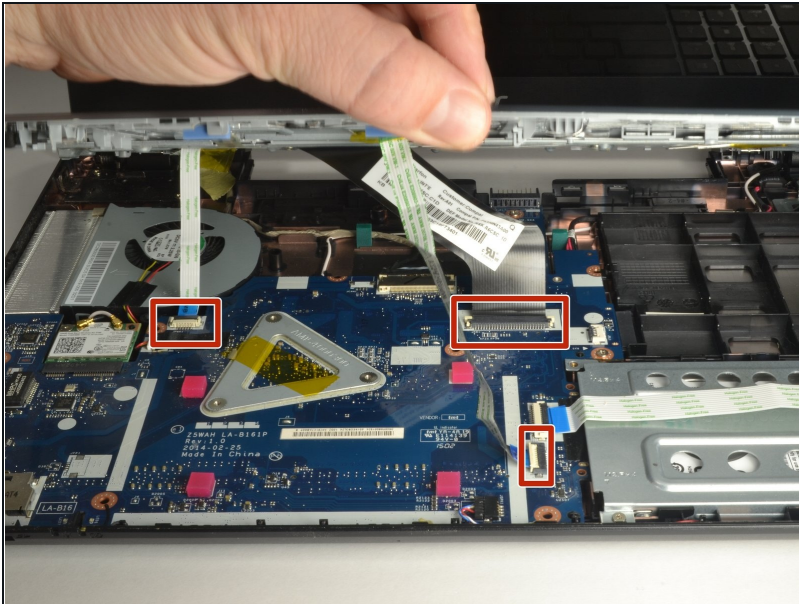
- Put your fingers under the top of the keyboard assembly directly below the Acer logo.
- Carefully pull up on the center until you hear the tabs disengage from the bottom.

Step 8



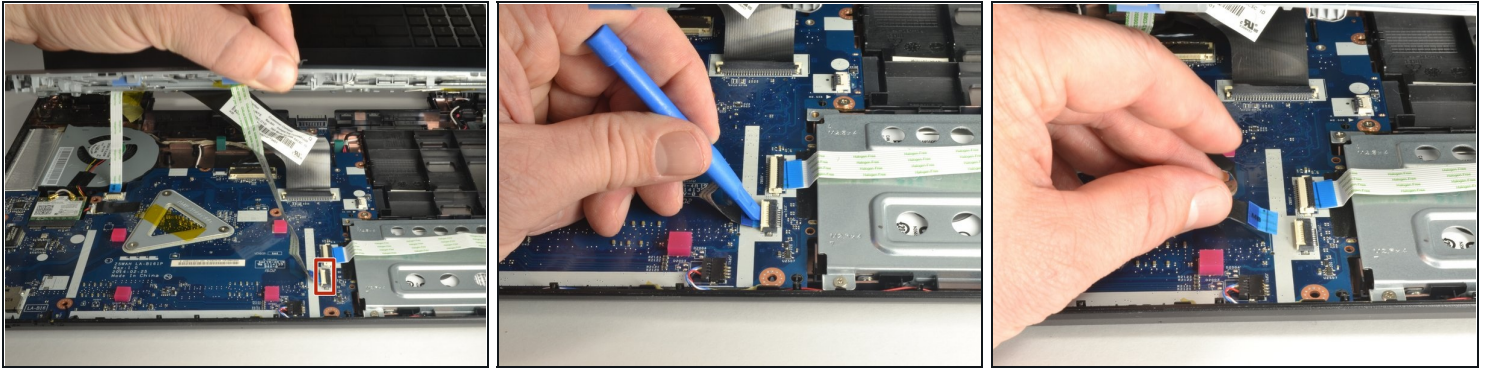
- Work your way around the seam with the plastic opening tool carefully prying the base and top cover apart.
- ① If you have difficulty with the plastic opening tool, use a metal spudger **but be more cautious** to not damage or mar your laptop case.

Step 9



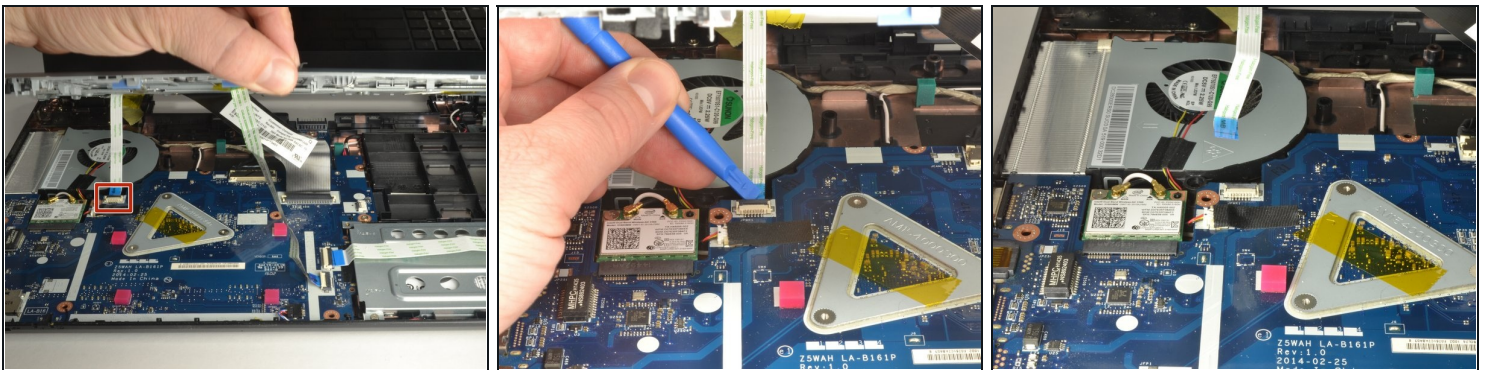
- When the two halves are separated, carefully lift up the front of the keyboard and touchpad assembly.
- You will see three ribbon cables attached to the motherboard.

Step 10



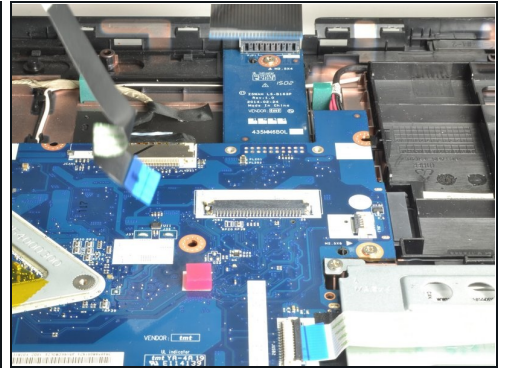
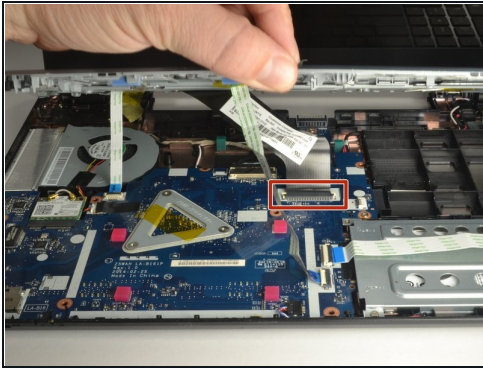
- Closest to the ribbon cable on the zero insertion force (ZIF) connector is a **white** locking tab.
- Carefully lift up on the locking tab with the plastic opening tool to release the ribbon cable. (Picture 2)
- Remove the ribbon cable from the connector.

Step 11



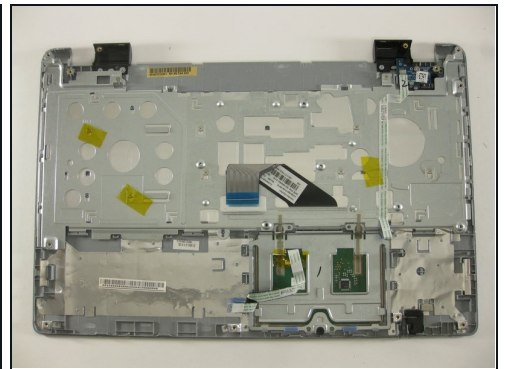
- Closest to the ribbon cable on the ZIF connector is a **black** locking tab.
- Carefully lift up on the locking tab with the plastic opening tool to release the ribbon cable. (Picture 2)
- Remove the ribbon cable from the connector.

Step 12



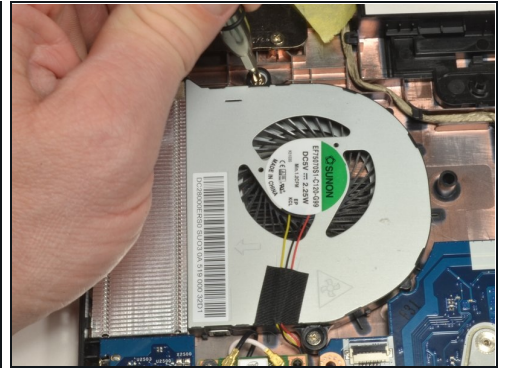
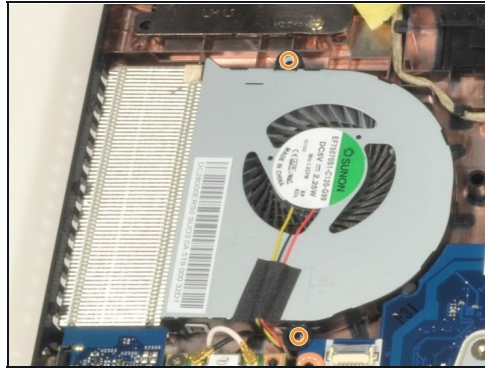
- On each side of the large connector there are two white tabs.
- Carefully push away from you with the plastic opening tool on each white tab to release the cable. (Picture 2)
- Remove the ribbon cable from the connector.

Step 13



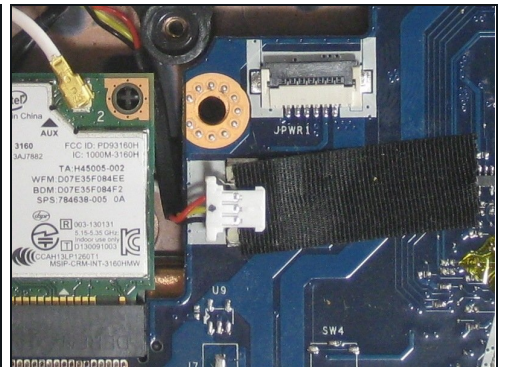
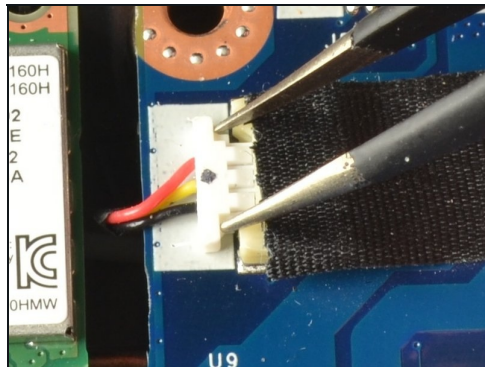
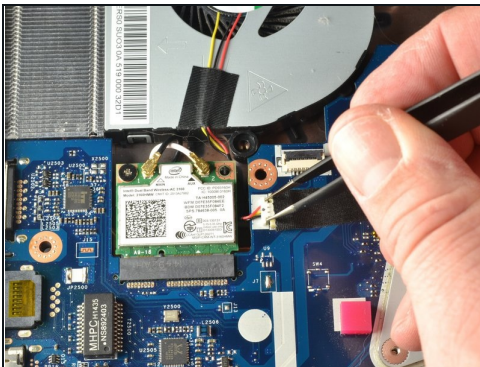
- Once all three ribbon cables are disconnected, lift off the top cover with the keyboard and touchpad.

Step 14 — Cooling Fan



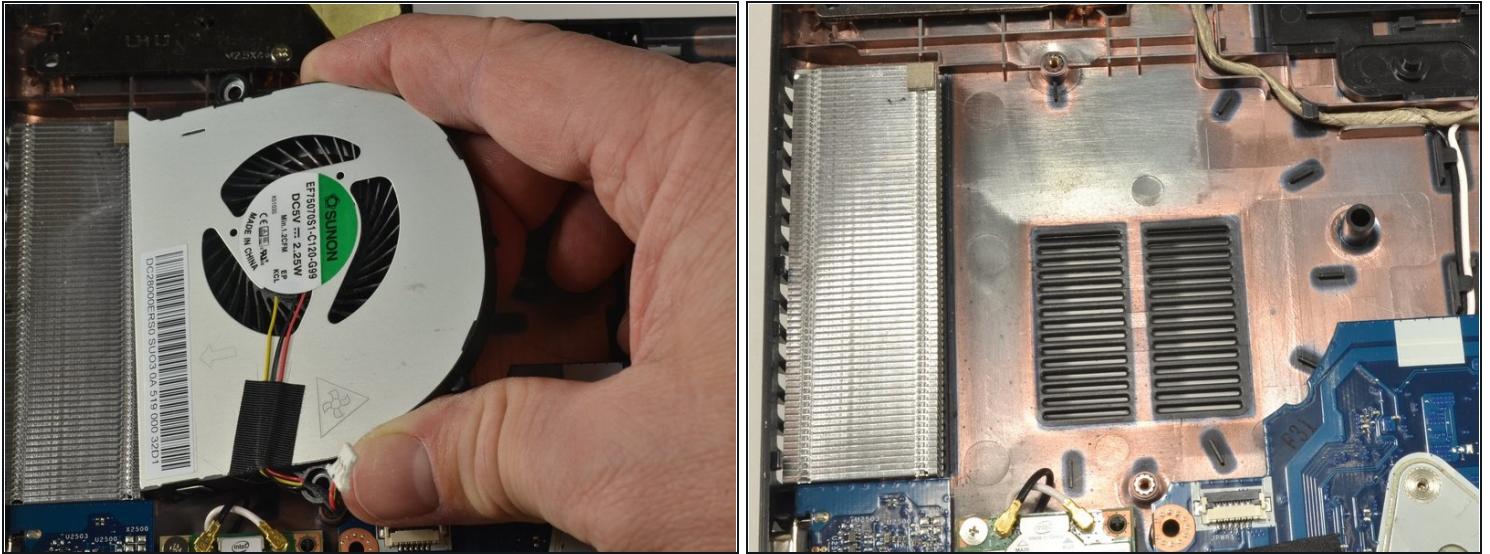
- Locate the CPU cooling fan in the upper left corner of the laptop.
- Using a #0 Phillips screwdriver, remove the two 4.5 mm screws that secure the fan to the case.

Step 15



- Place the tips of the ESD safe pointed tweezers between the plug and the socket of the fan connection.
- Gently push the tweezers to the left to disconnect the fan plug.
- Move the fan connector and its wires to free them from the motherboard and the WiFi card.

Step 16



- Lift the curved end of the fan by about 30 degrees.
- Use your hand to lift the fan up and to the right until it is clear of the case.
- ① If you feel resistance, check if the fan connector and wires are stuck under the motherboard or under the WiFi card. If the connector or wires are stuck, gently free them.

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