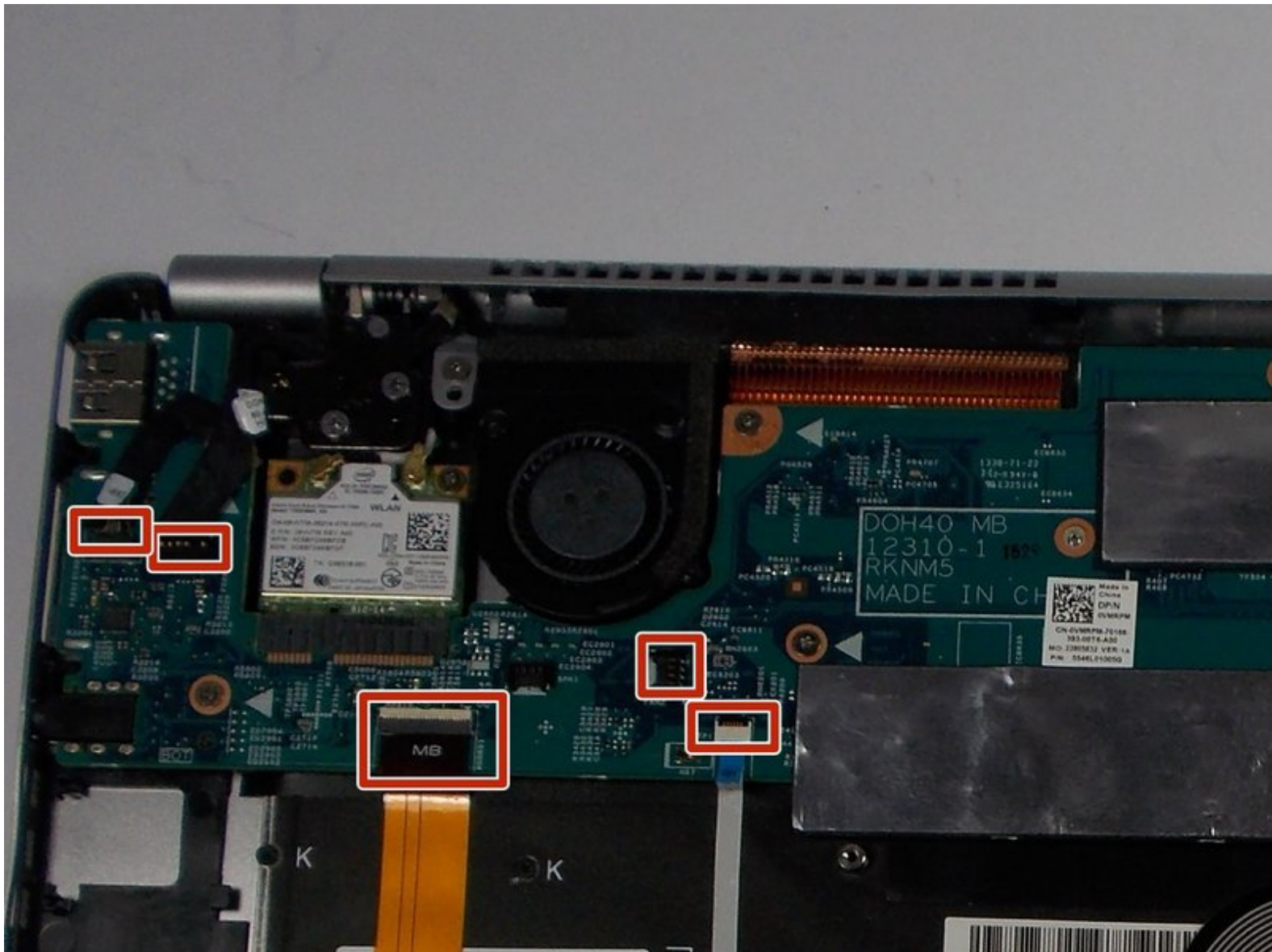




Dell Inspiron 14-7437 Thermal Cooling Fan Replacement

This guide will show you how to replace the Thermal-Cooling Assembly inside your Dell Inspiron 14-7437.

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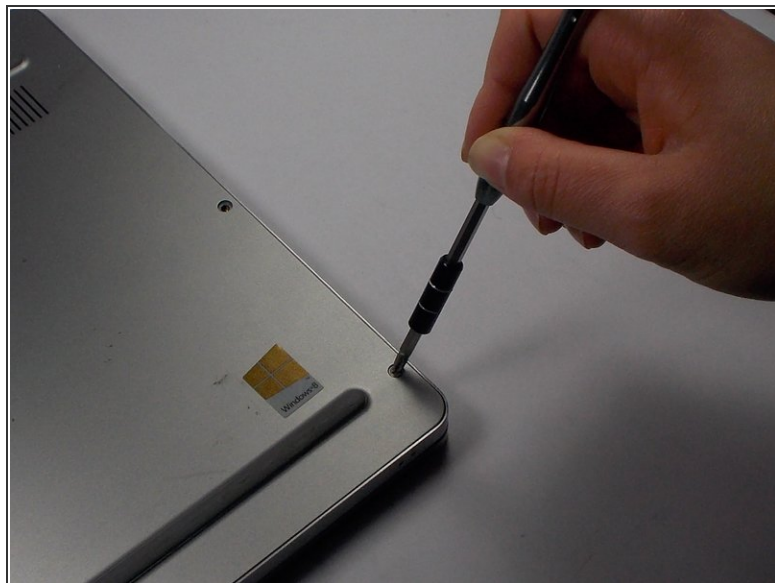
INTRODUCTION


The Thermal-Cooling Assembly is used to keep your laptop from overheating while running. If this breaks and is not replaced you run the risk of frying your motherboard.


TOOLS:

- [Phillips #1 Screwdriver](#) (1)
 - [Spudger](#) (1)
 - [Phillips #000 Screwdriver](#) (1)
-

Step 1 — Base Cover



 Power off your Dell Inspiron 14-7437 before disassembling.

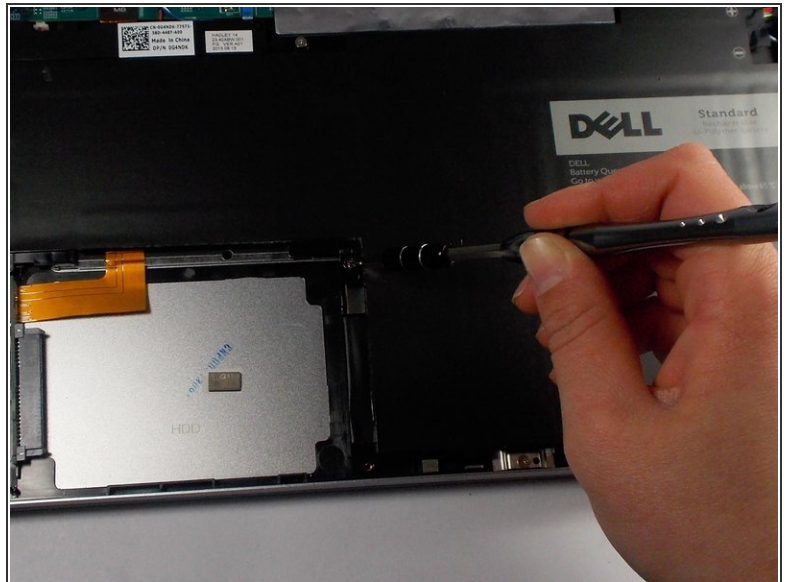
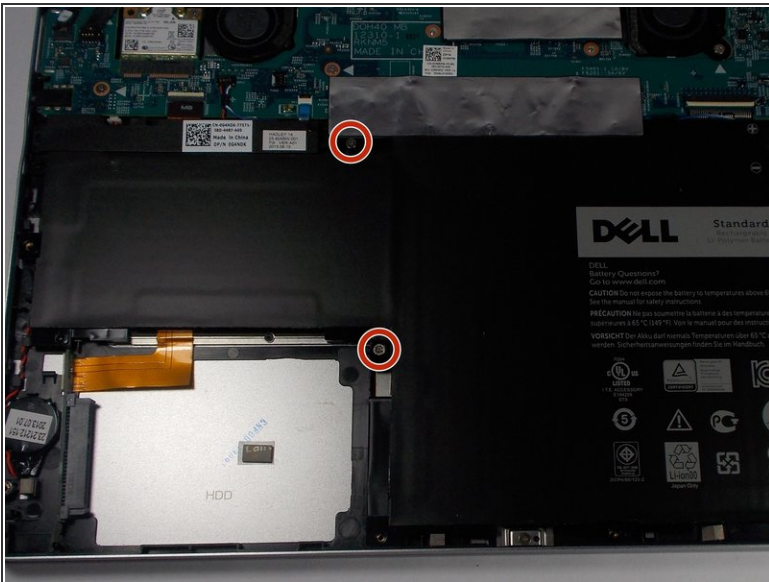
- Remove the eight 4.5 mm screws on the back panel of the device using the Phillips 1 Screwdriver.
-  The two 4.5 mm screws in the center under the rubber mount cannot be removed, but can be loosened.

Step 2



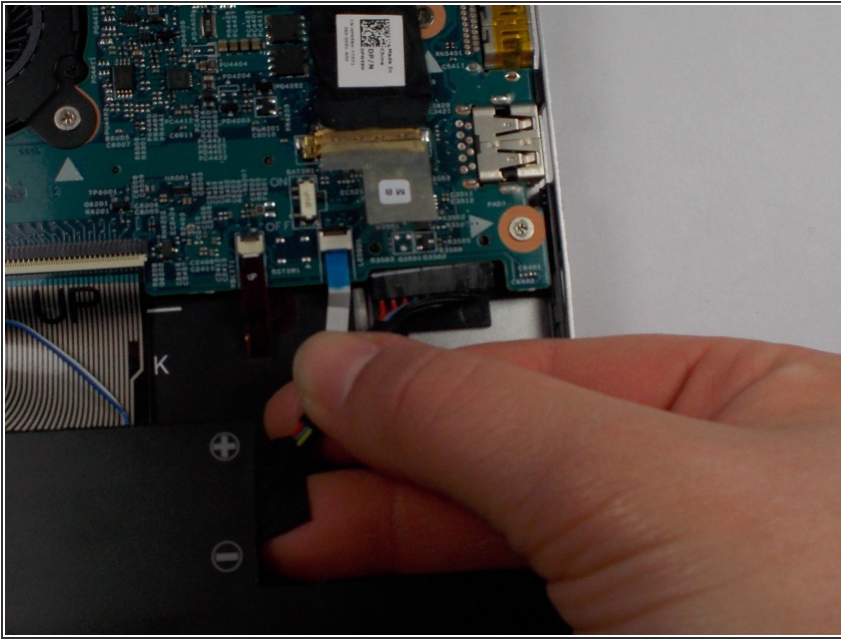
- Pry open the back cover using a spudger and slide it along the under the cover.

Step 3 — Battery



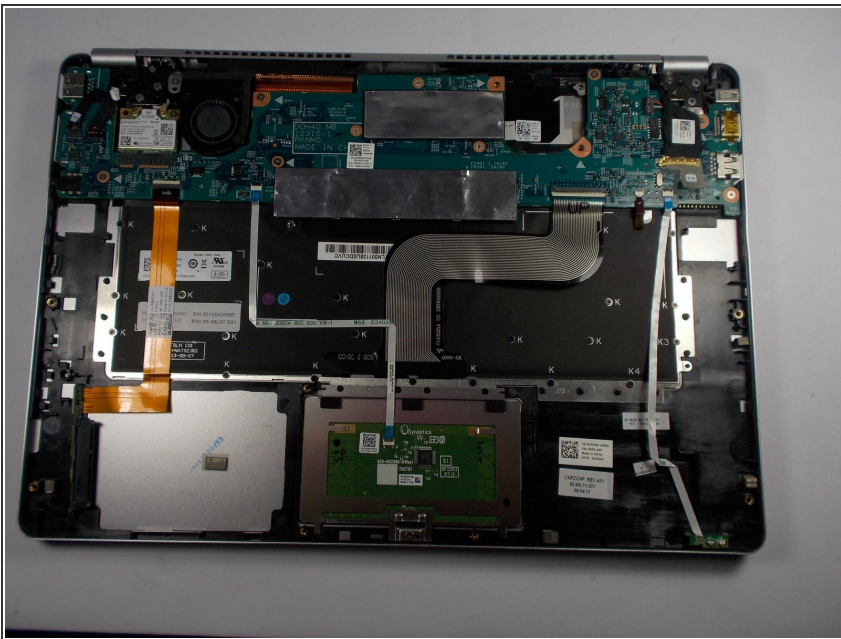
- Remove the two 2.5 mm screws holding the battery in place using the J000 Phillips Head Screwdriver.

Step 4



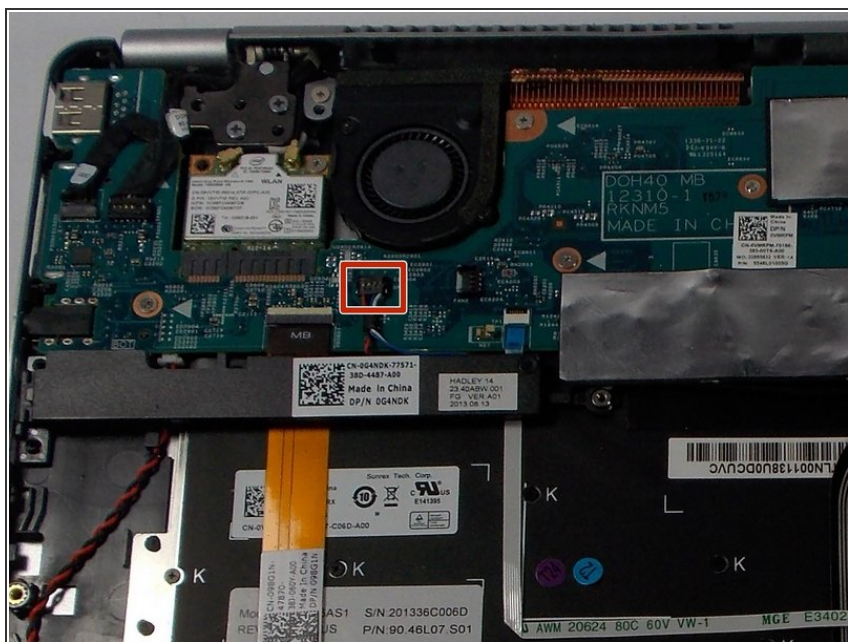
- Disconnect the ribbon cables from the motherboard.

Step 5



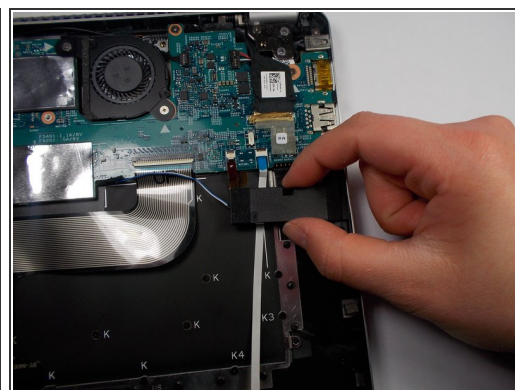
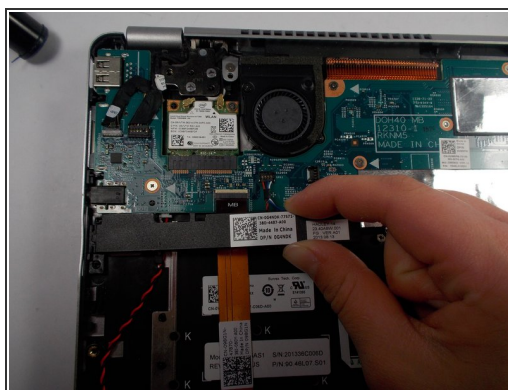
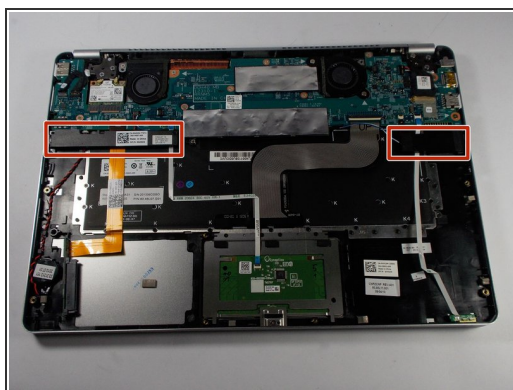
- Lift up and remove the Lithium-Polymer Battery.

Step 6 — Speaker



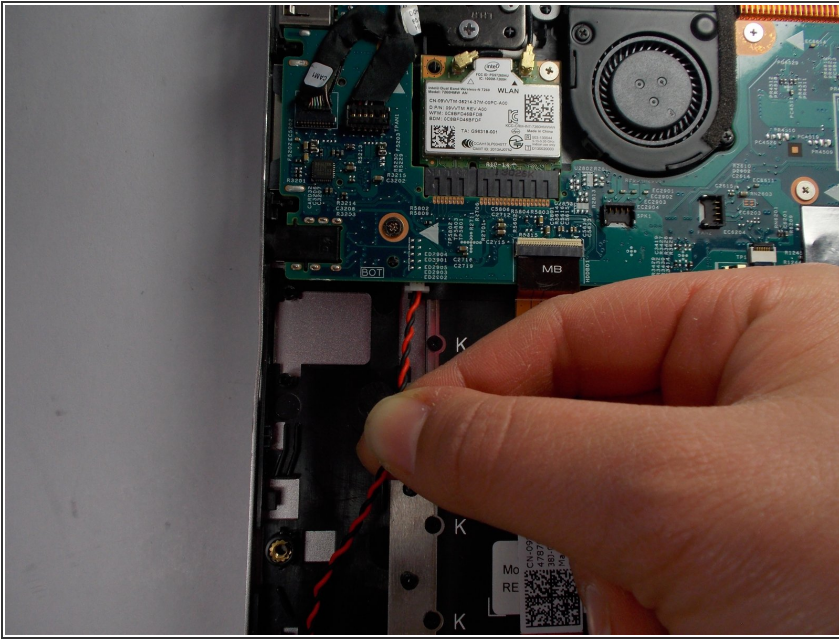
- Disconnect wires from Motherboard by gently pulling up.

Step 7



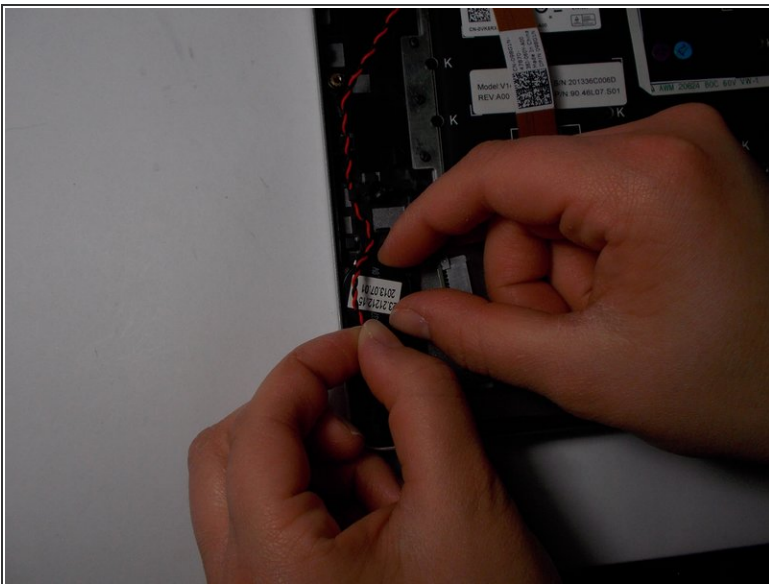
- Remove the speakers from the case.

Step 8 — Coin Cell Battery



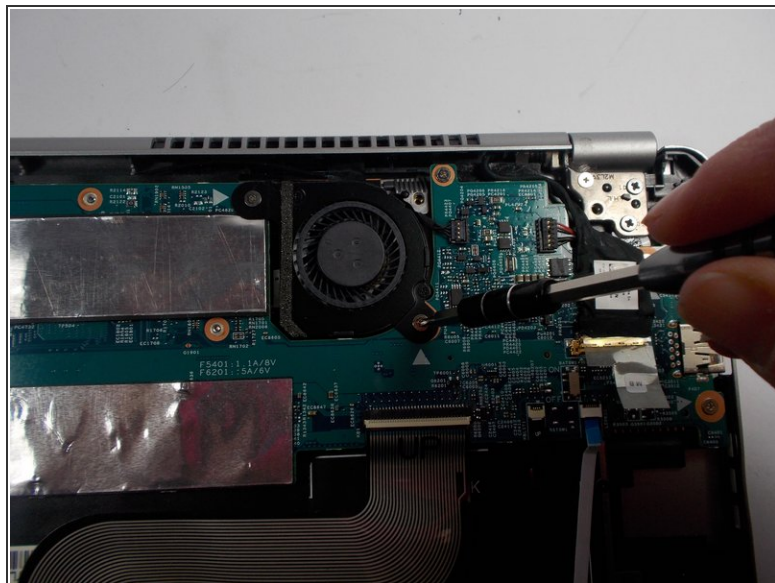
- Lift the coin cell battery wire, and carefully remove from motherboard.
- ⓘ There are little hooks that the wire is hooked under.

Step 9



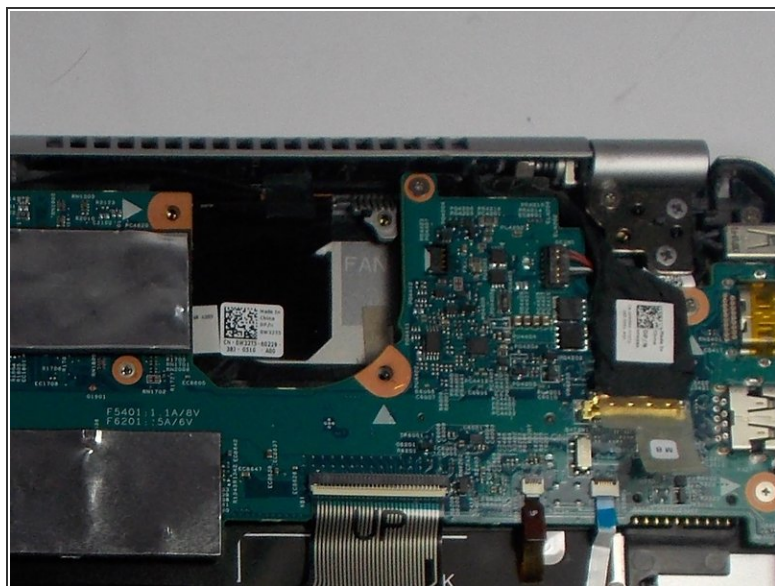
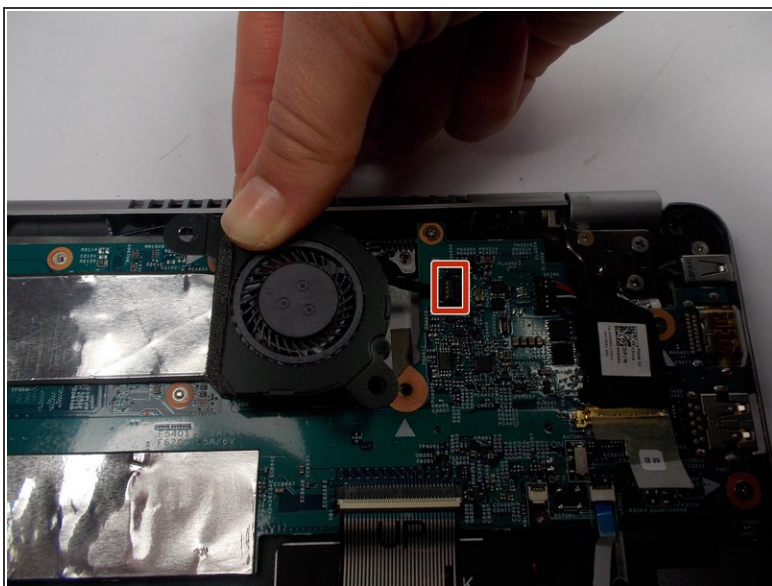
- Remove the Coin-Cell Battery from the case.
- ⓘ There is a small amount of adhesive on the bottom of the coin cell battery.

Step 10 — Cooling Fan



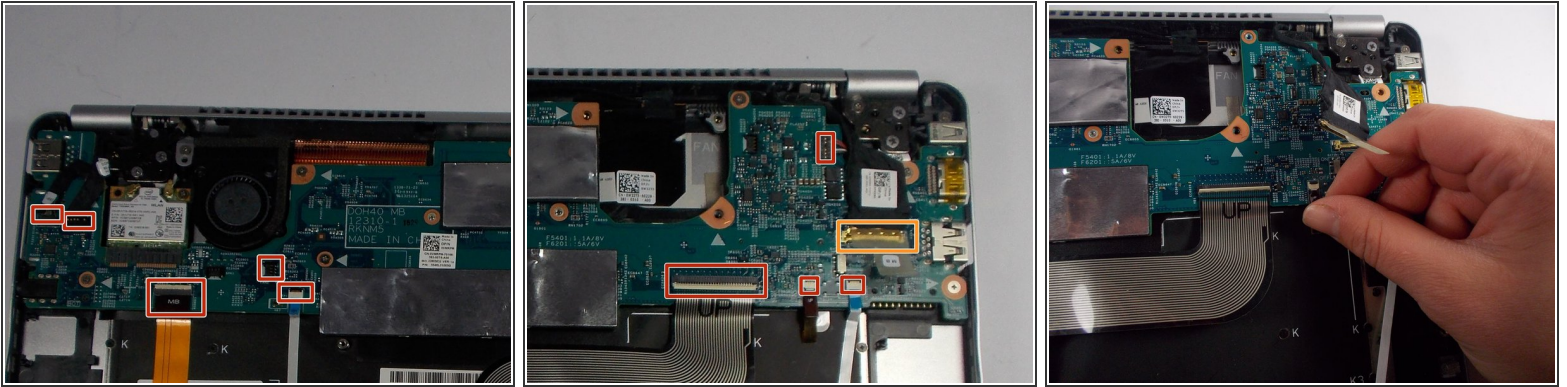
- Remove the two 2.5 mm screws using a J000 Phillips Head Screwdriver.

Step 11



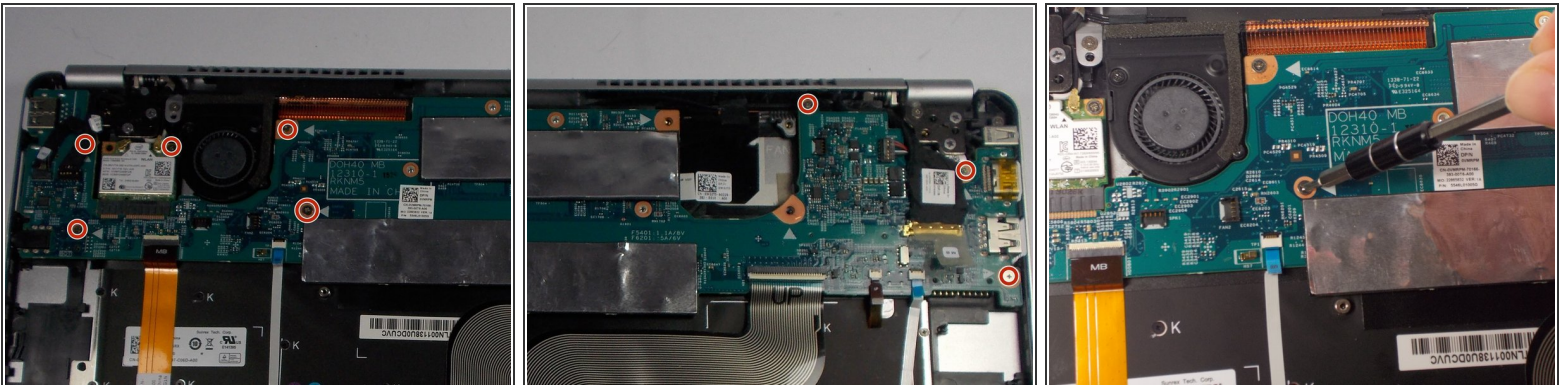
- Pull up on the wire and remove the Cooling Fan.

Step 12 — Thermal-Cooling Assembly



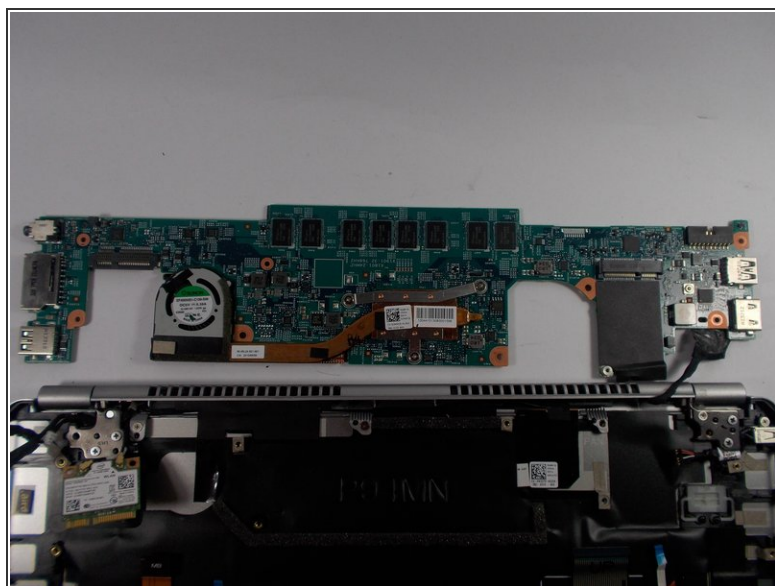
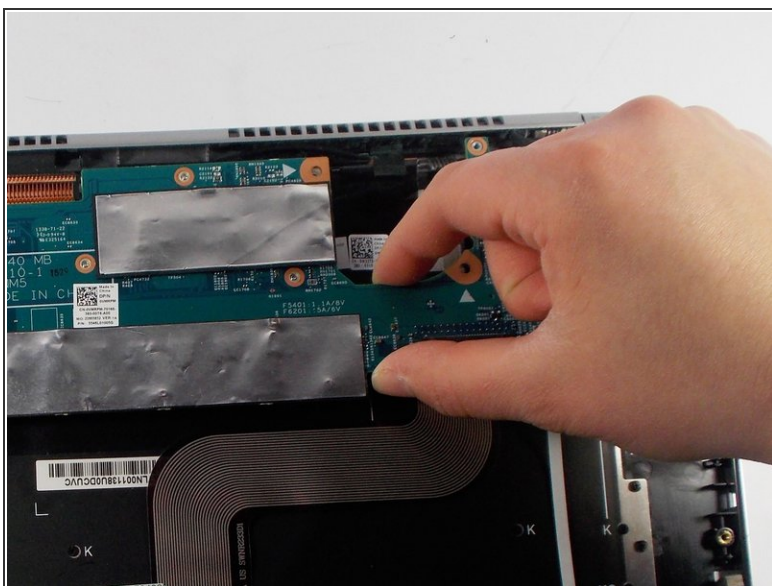
- Disconnect cables connected to the motherboard by lifting the flaps up and pulling out.
- This is a [ZIF](#) connector and needs to have the side flaps flipped up before removal.
- ⚠ The [ZIF](#) connector has small clips that need to be pulled up before being pulled out.

Step 13



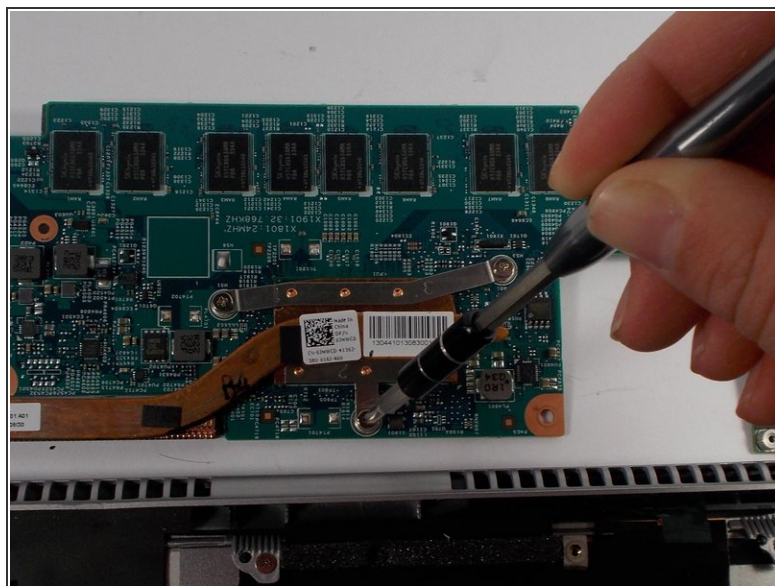
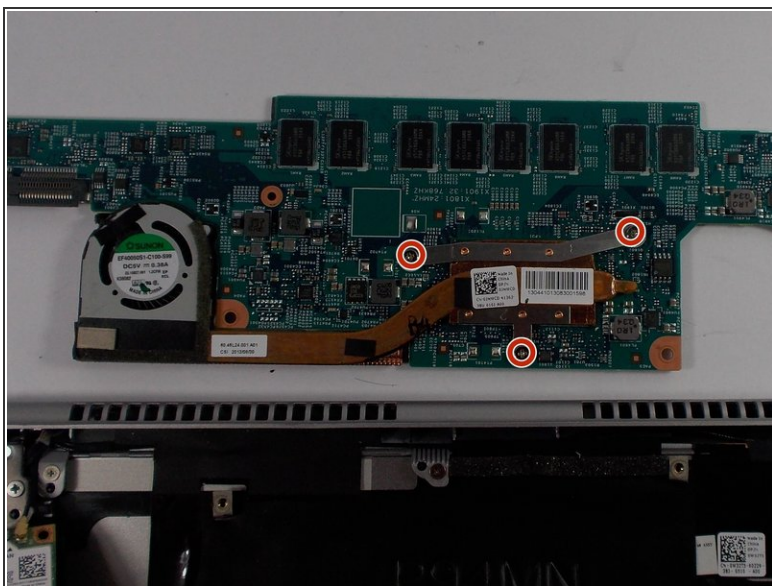
- Remove the eight 2.5 mm screws using a J000 Phillips Head Screwdriver.

Step 14



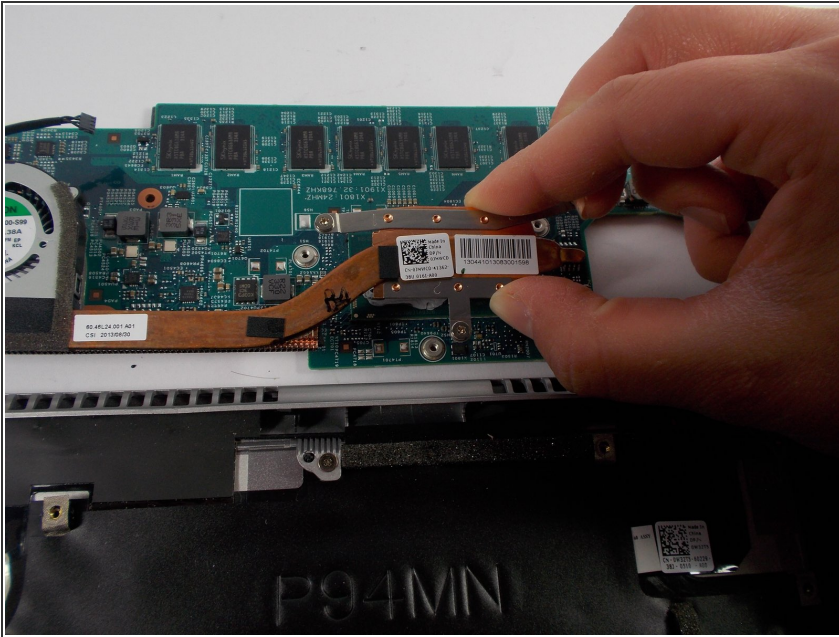
- Flip the motherboard.

Step 15



- Loosen the three 2.5 mm screws using the J000 Phillips Head Screwdriver.
- ⓘ These three 2.5 mm screws cannot be removed from the Thermal Cooling assembly.

Step 16



- Remove the Thermal-Cooling Assembly from the motherboard.

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