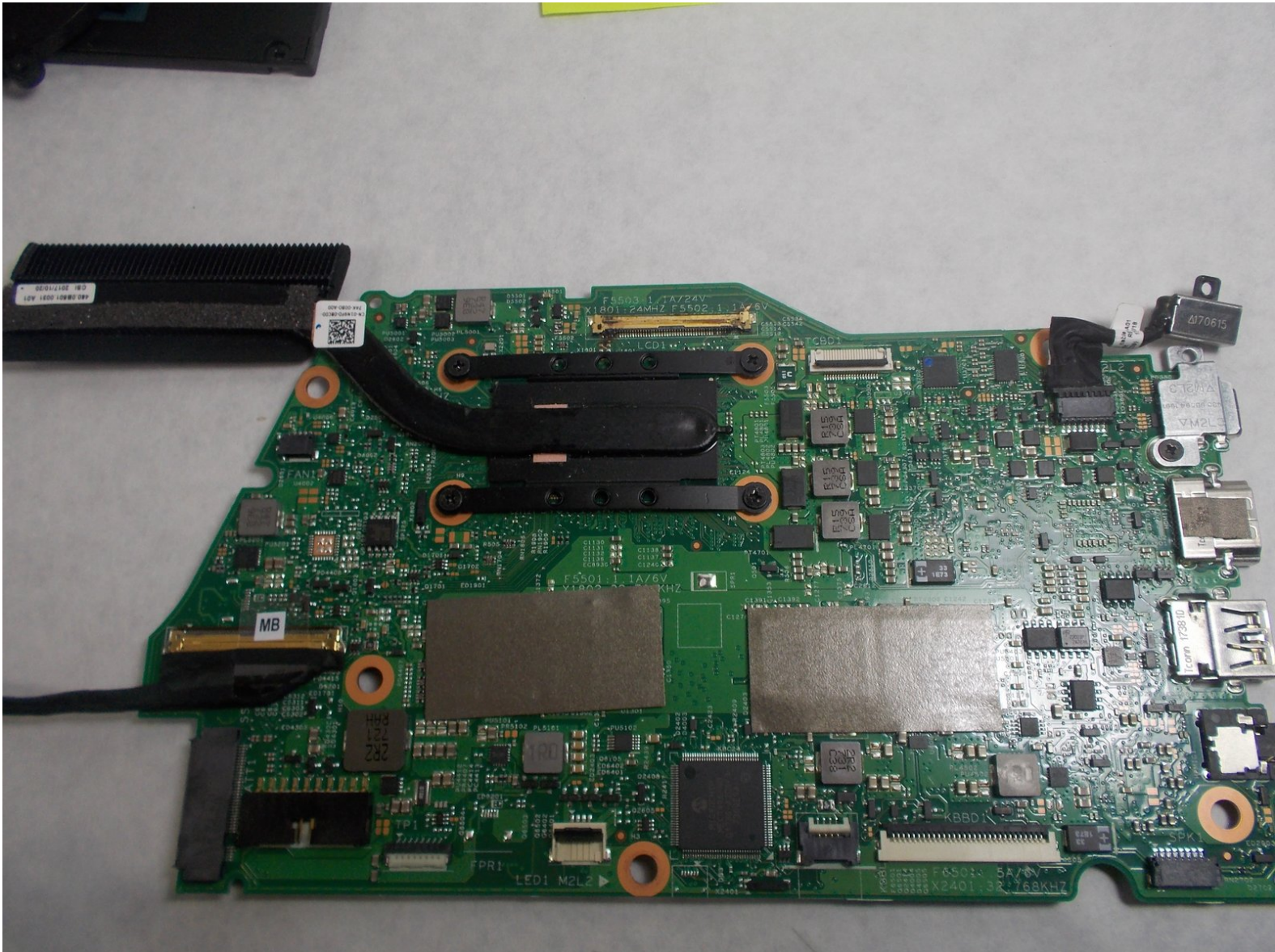


Written By: John Egan



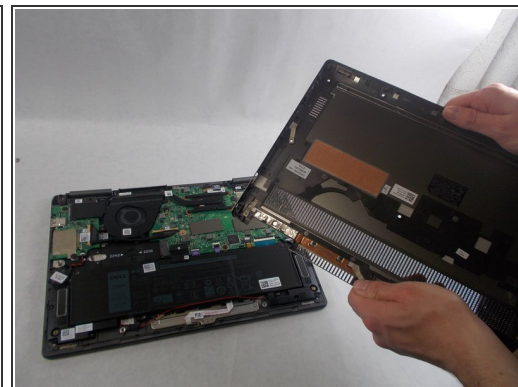
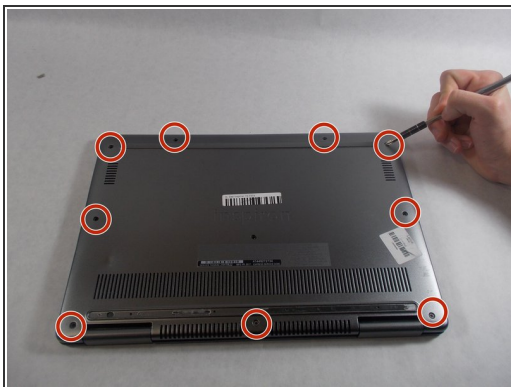
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TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Phillips #0 Screwdriver](#) (1)

Step 1 — Back Cover



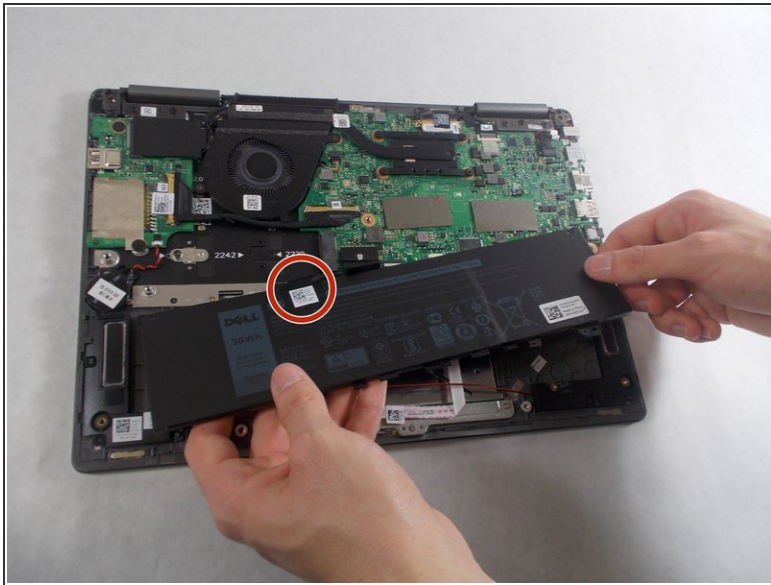
- Remove nine 7.5mm Phillips #00 screws from the bottom of the laptop.
- Use an opening tool to remove the bottom half of the case from the laptop.

Step 2 — Battery



- Remove the four screws holding the battery in place.

Step 3



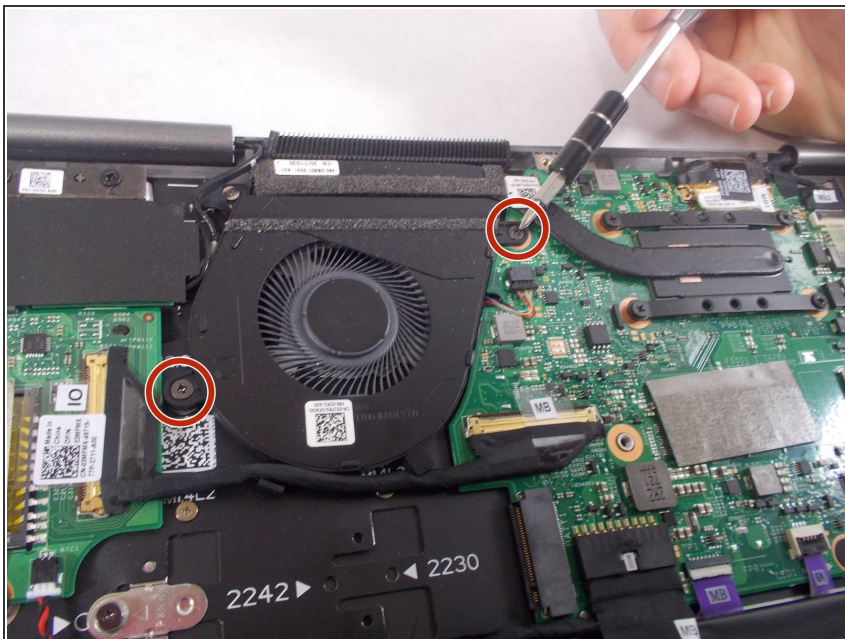
- Carefully remove the cable from the battery.

Step 4



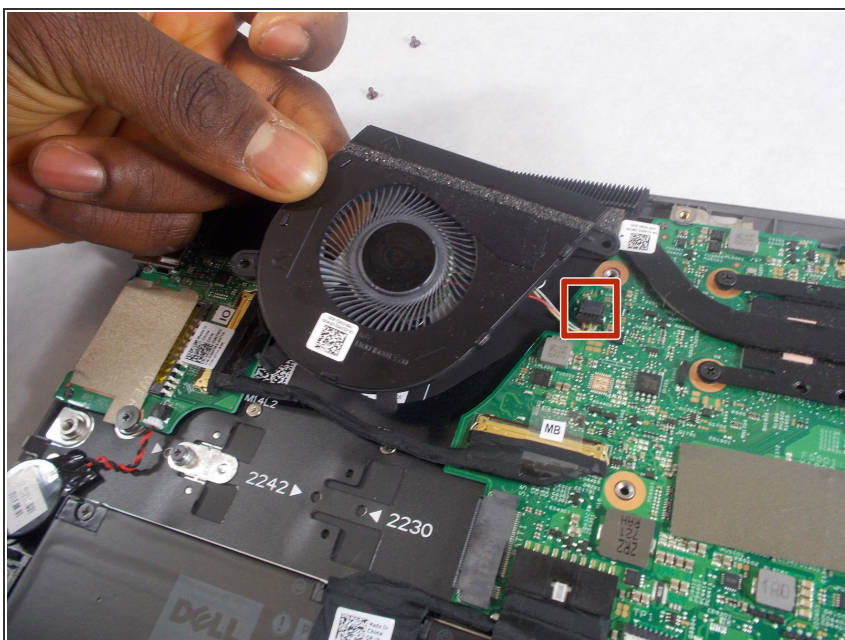
- Remove the battery from the laptop.

Step 5 — Fan



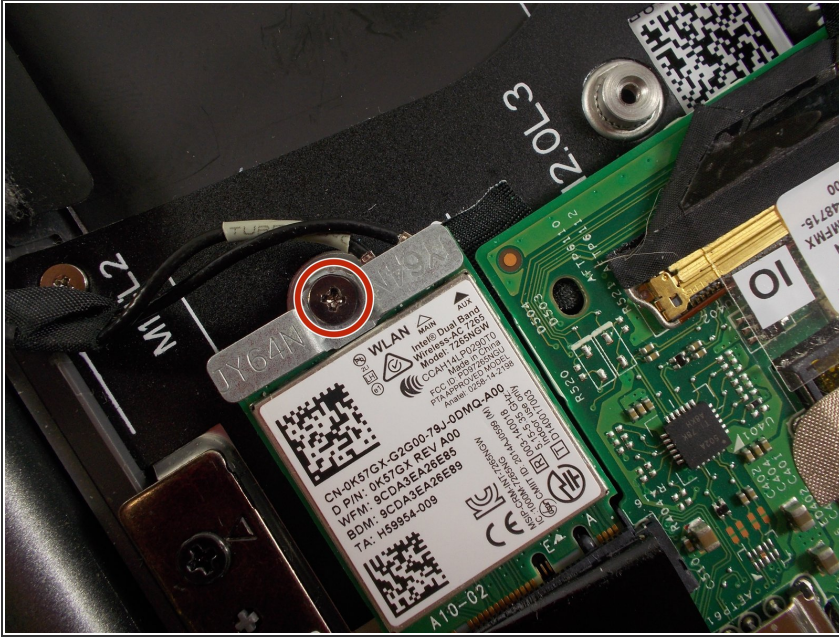
- Remove the two screws holding the cover for the fan.

Step 6



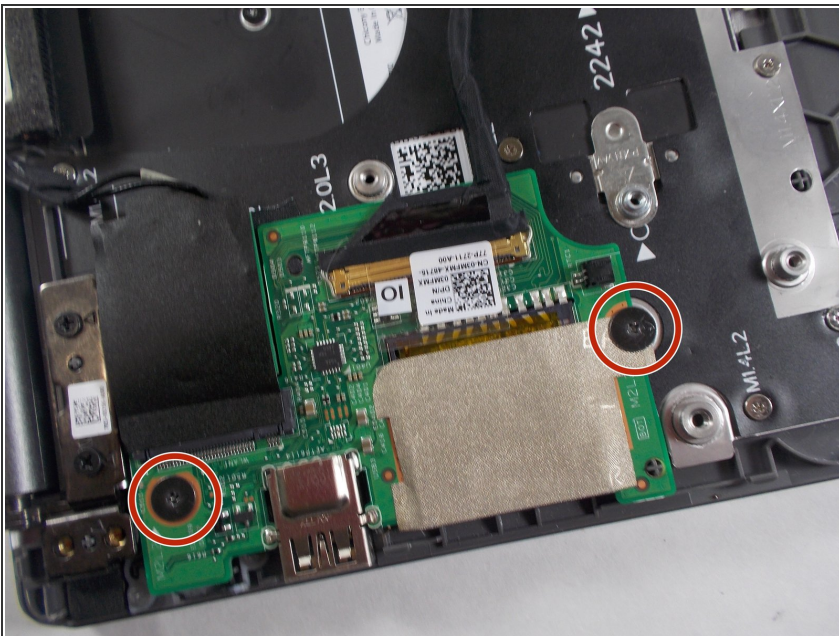
- Unplug the connector holding the fan's wires.
- Remove the fan from the laptop.

Step 7 — Network Card



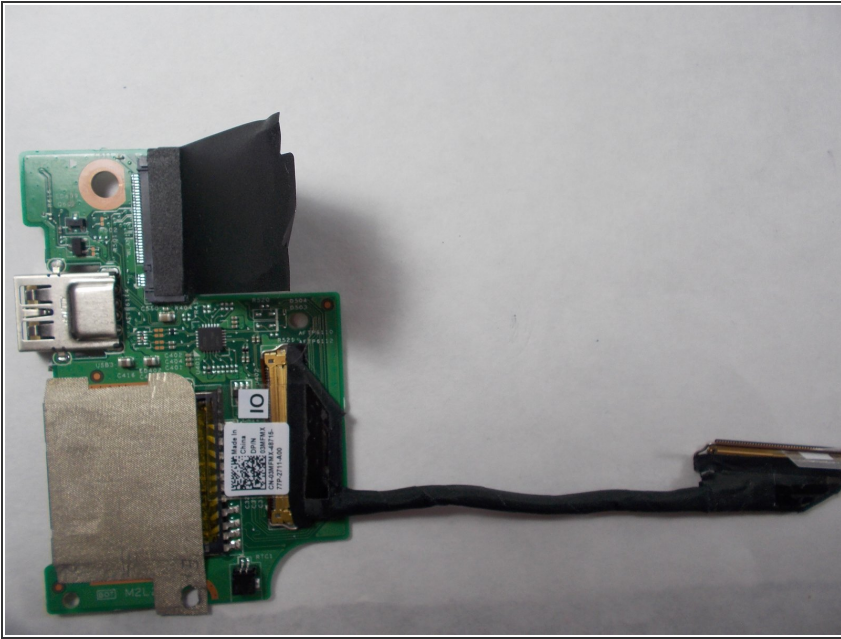
- Use the Phillips #00 screwdriver to remove the single screw holding in the network card.
- Remove the network card from the laptop.

Step 8 — Daughterboard



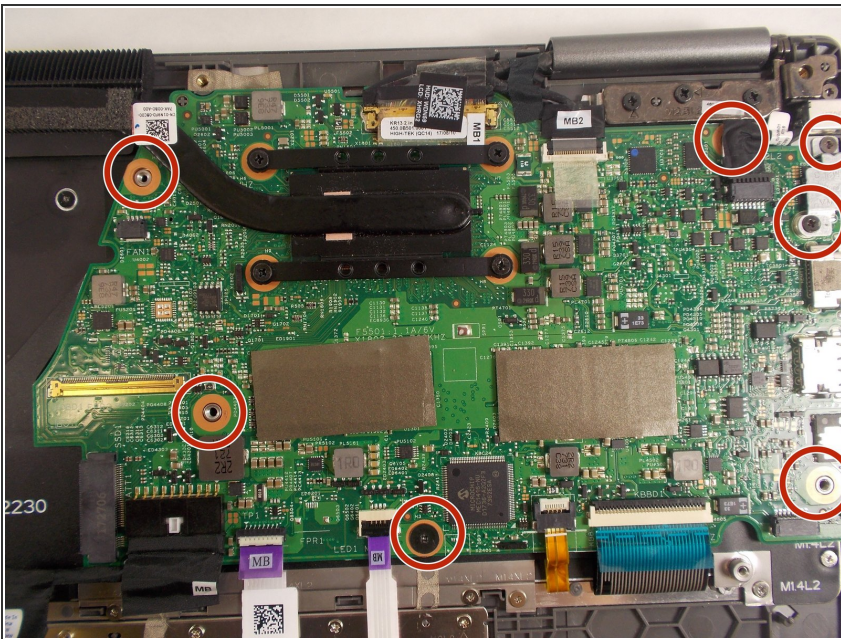
- Use the Phillips #00 screwdriver to remove the two 1mm screws holding in the daughterboard.
- Remove the metal piece holding in the daughterboard.
- Disconnect the two cable connectors from the daughterboard.
- If the cables are stuck, gently wiggle them until they disconnect.

Step 9



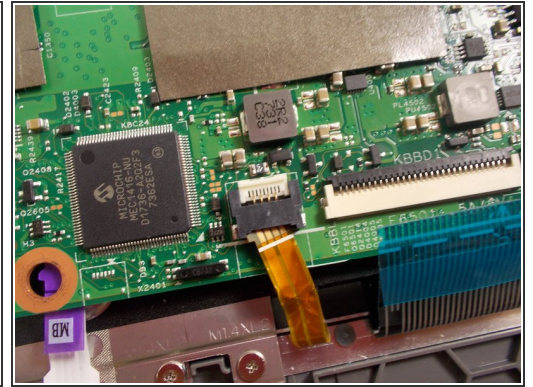
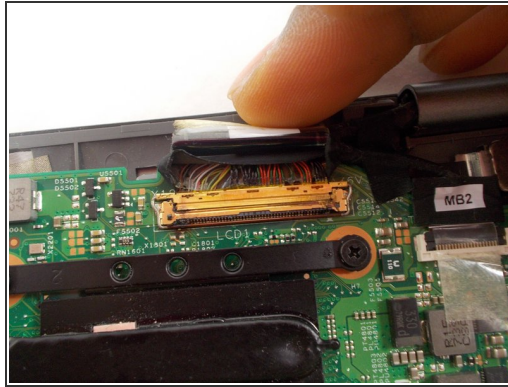
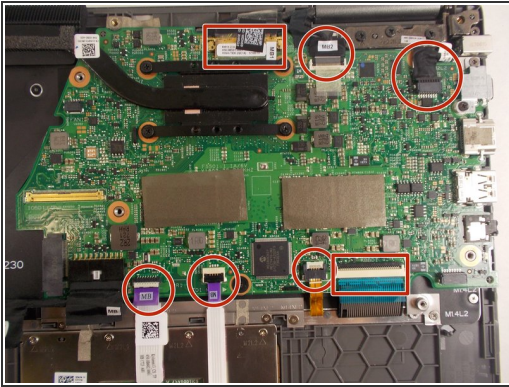
- Remove the daughterboard.

Step 10 — Motherboard



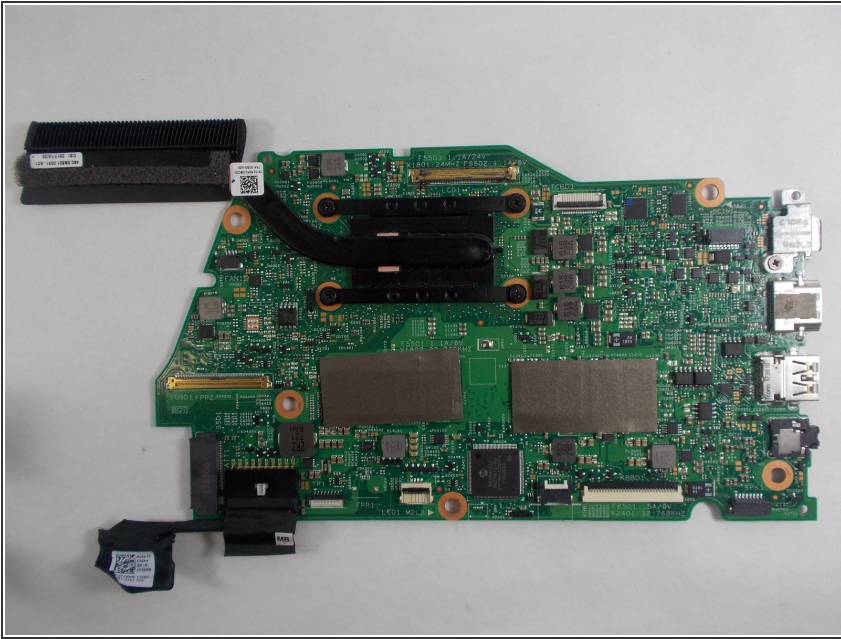
- Remove the seven 2mm screws securing the motherboard.

Step 11



- Release the IO Board Cable.
- Release the Touchpad cable.
- Release the keyboard back-light cable.
- Release the keyboard cable.
- Release the eDP cable.
- Release the dc-in cable.
- Release the cable for the LED charging indicator by gently pulling up on the connector.

Step 12



- Gently lift up on the motherboard to remove it.

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