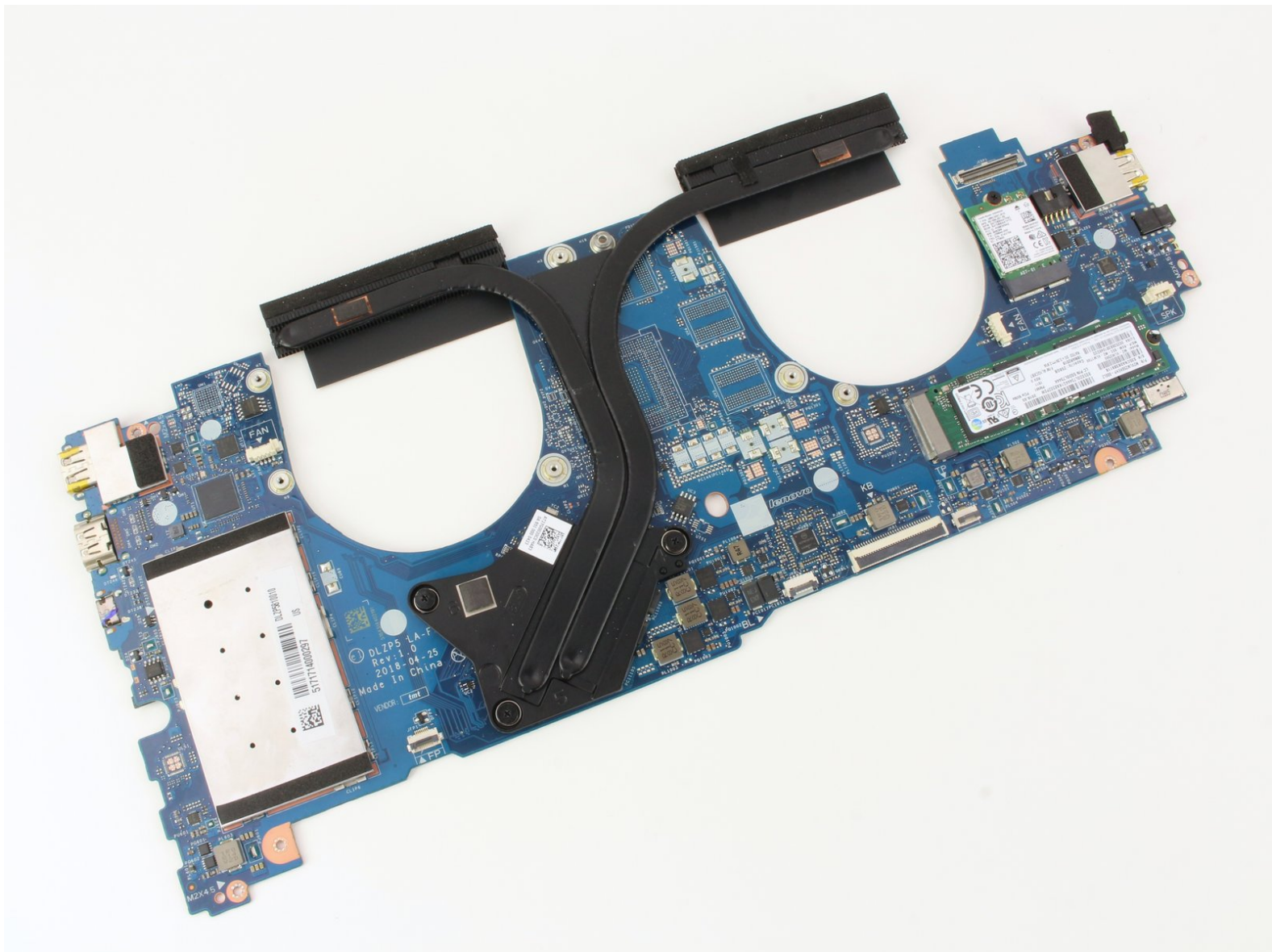# Lenovo YOGA 730-15IKB Motherboard Replacement

This guide describes the steps required to replace or remove the motherboard on a Lenovo YOGA 730-15IKB.

Written By: Mathew Shaham

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INTRODUCTION

Follow this guide to replace or remove the motherboard in your Lenovo YOGA 730-15IKB. The motherboard is the central component inside a laptop and allows all the pieces of the computer to talk to each other. If the motherboard is damaged, the computer will not work correctly.

You might need to replace your motherboard if you spilled liquid on the computer or if the laptop is not turning on even after you have made sure the battery is working.

Make sure to take off the SSD, wireless card, heat sink, and extra RAM before you safely dispose of the old motherboard. These components can be transferred to the new motherboard.

TOOLS:

- ESD Safe Tweezers Blunt Nose (1)
- T5 Torx Screwdriver (1)
- iFixit Opening Tool (1)
- Phillips #1 Screwdriver (1)

PARTS:

- Lenovo Yoga 730 (15") Motherboard (1)

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Step 1 — Bottom Cover

⚠ Turn off the computer and unplug the charger before going any further.

- Flip the laptop over so you can see the underside.

- Remove the ten 7mm T5 Torx screws.

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Step 2

- Pry up the bottom cover with an opening tool.
  - Start at the front edge of the cover and make your way along the sides.

Step 3

- Pull the bottom cover up and away from the back hinges.

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Step 4 — Battery
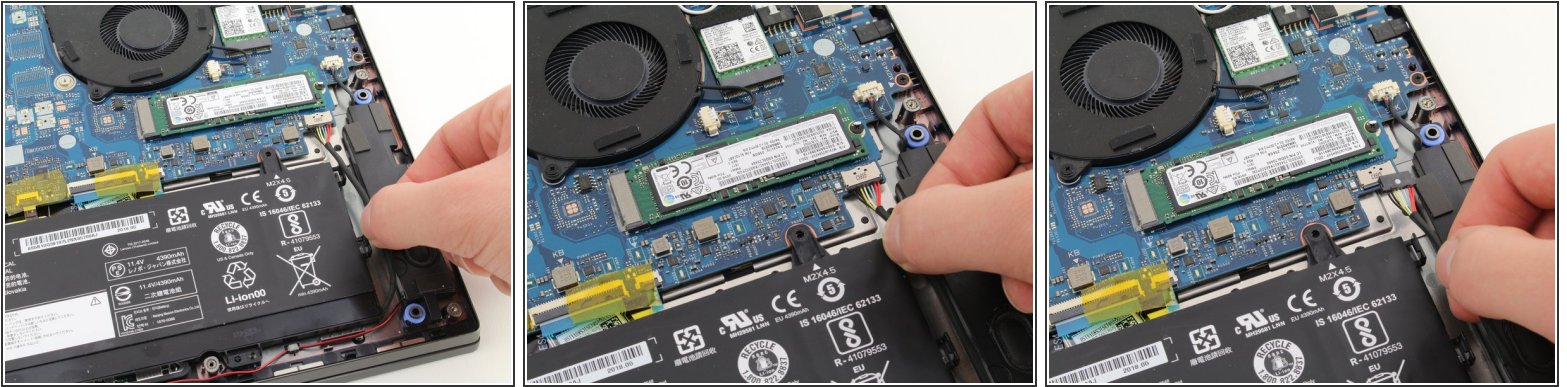
- Disconnect the battery from the motherboard by gently pulling the battery cable using your fingers or a pair of tweezers.
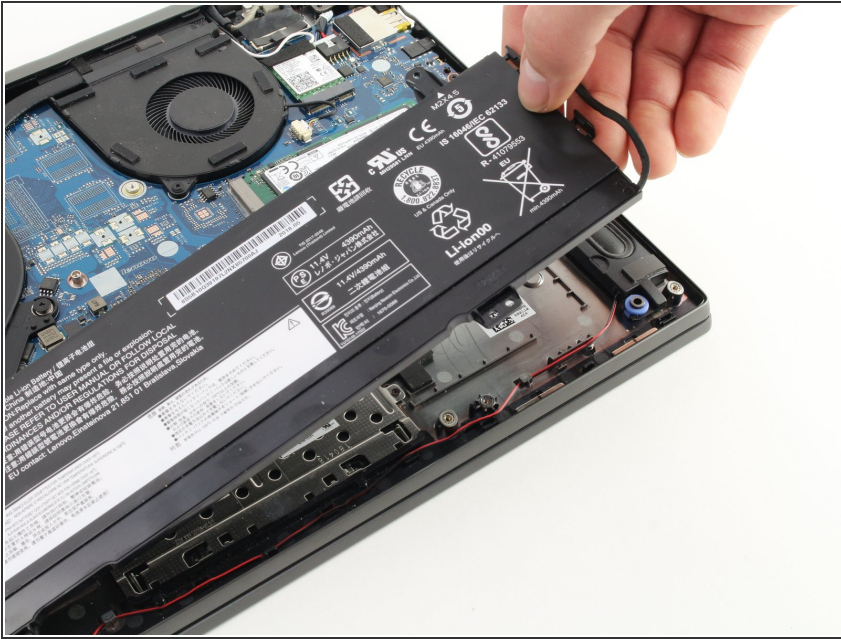
  ⚠ Pull parallel to the battery, not straight up.

  ⓘ Unplug the cable gently as the eight wires on the connector are very small and delicate.

Step 5
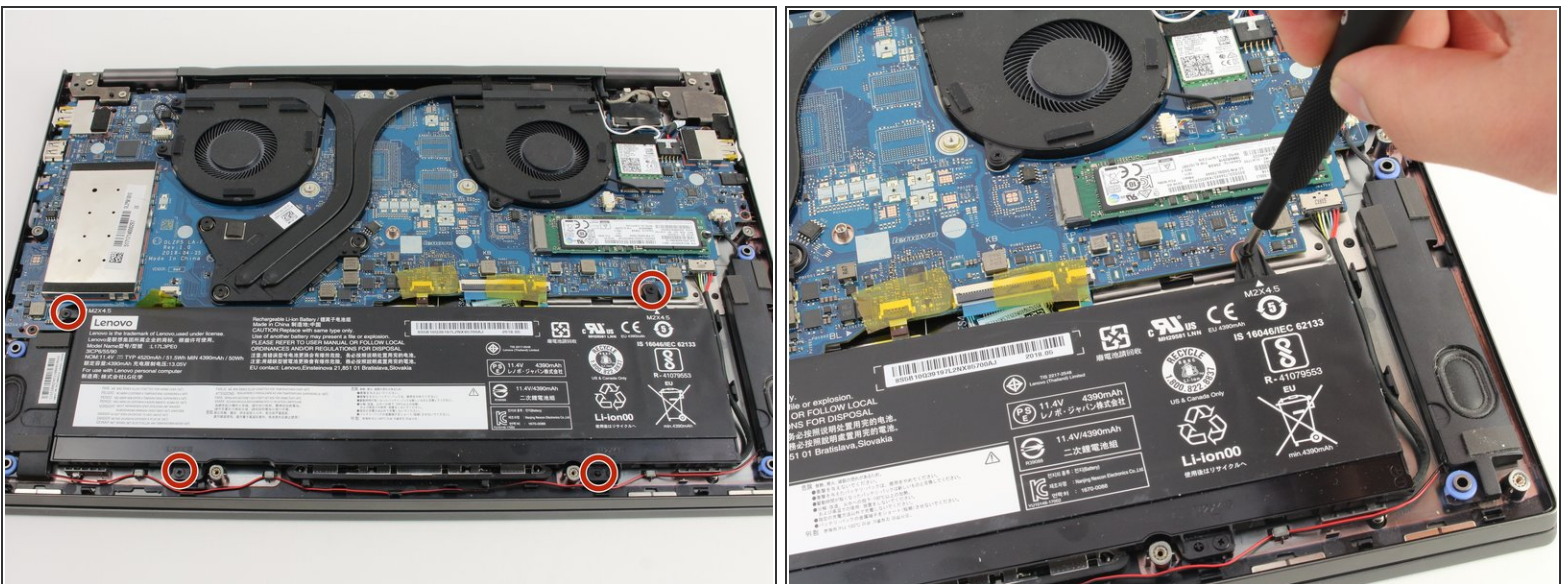
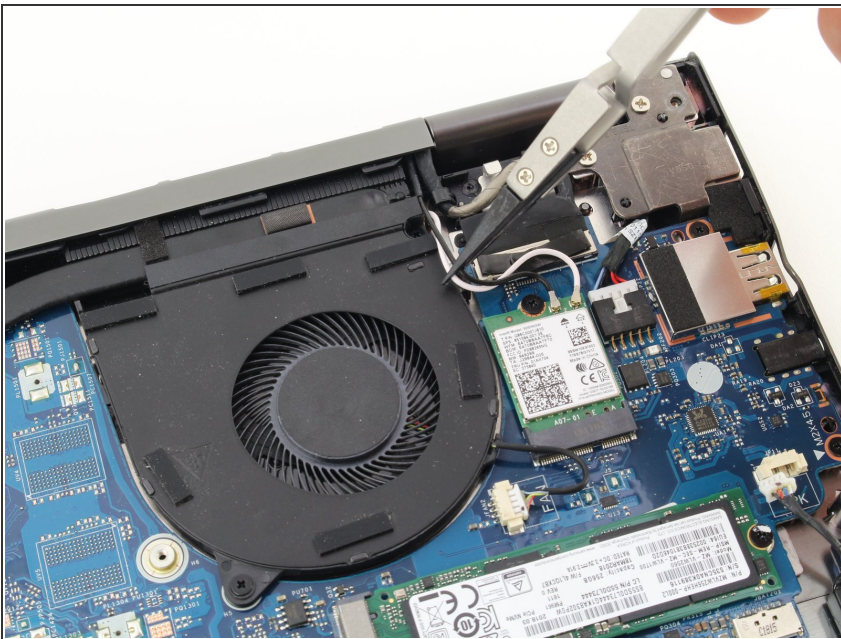- Remove the four 4mm Phillips #1 screws securing the battery.

Step 6

- Lift the battery up and out of the chassis.

⚠️ Handle the battery carefully. Touching the terminal may cause electric shock. Puncturing the battery may cause it to catch fire.

Step 7 — Left Fan

ⓘ When the laptop is upside down, the left fan is on the right side of the laptop near the wireless card and the SSD.

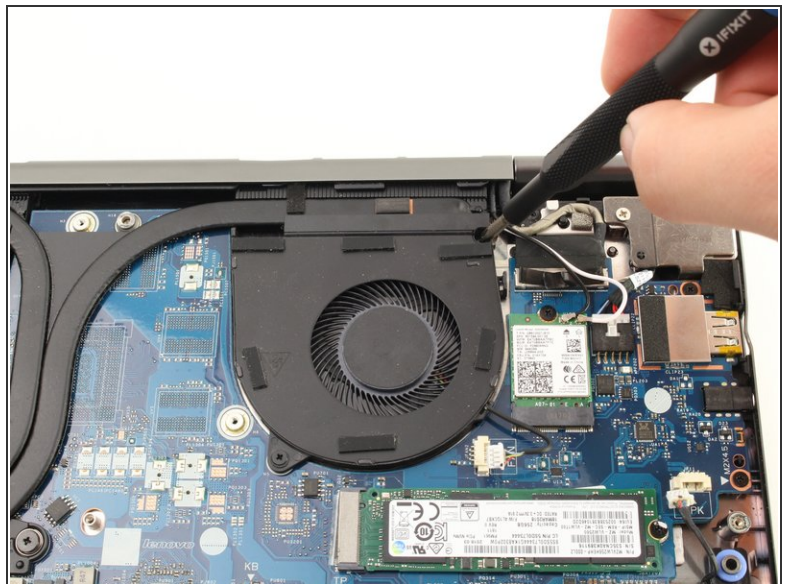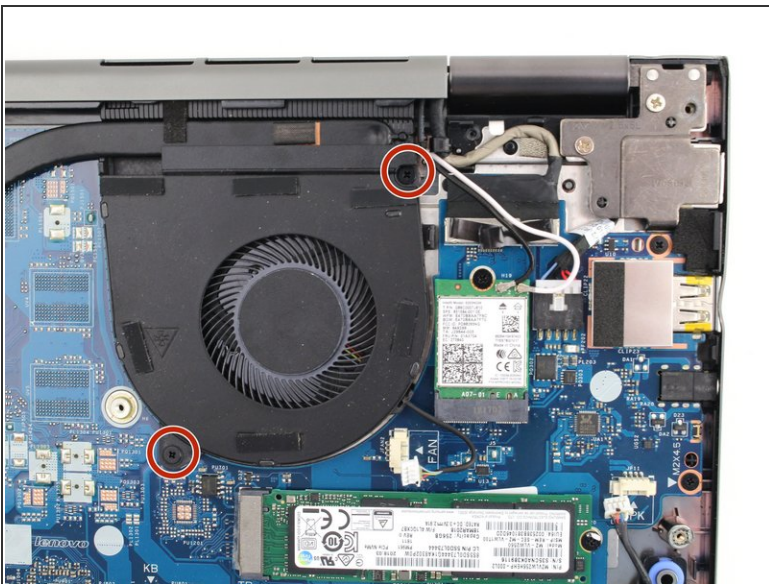- Remove the black and white antenna wires from the groove on the right side of the fan.

Step 8
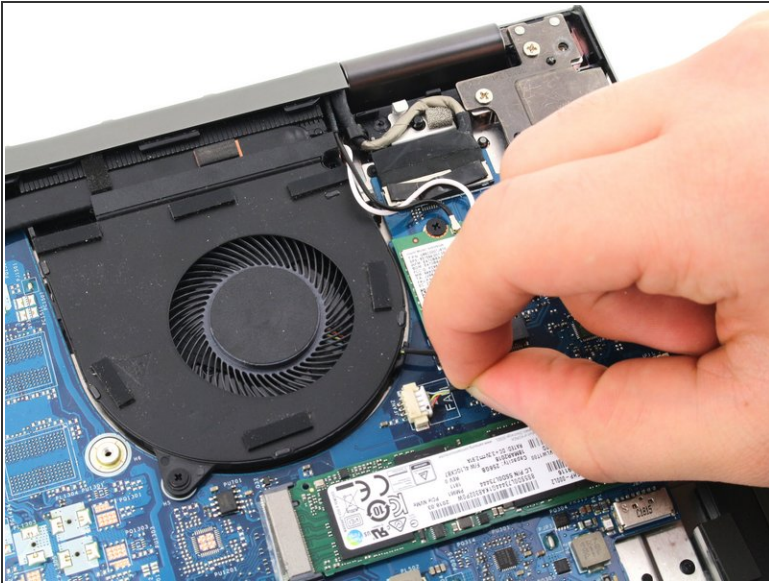
- Disconnect the fan cable. Pull the wire toward the right side of the laptop while wiggling to loosen the connection.
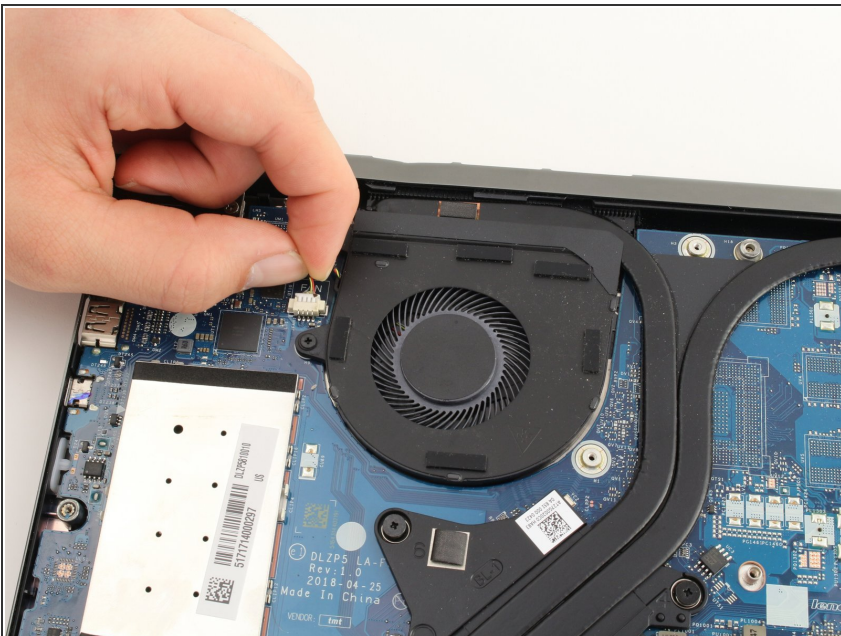 - You can also use the white tabs on the connector to push the cable free.

Step 9

- Remove two 4mm Phillips #1 screws.

Step 10

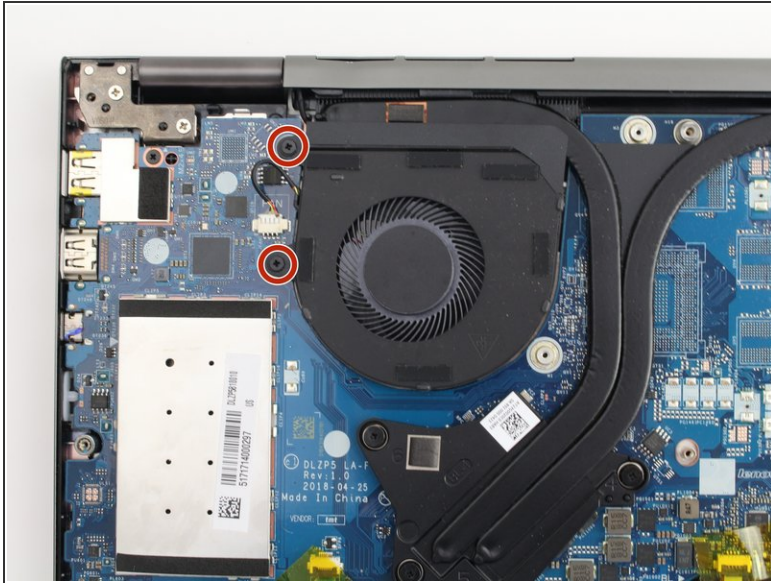- Pull the fan up and towards the front of the laptop.

Step 11 — Right Fan

- (i) When the laptop is upside down, the right fan is on the left side of the laptop near the large metal RAM cover.

- Disconnect the fan cable. Pull the wire toward the back of the laptop while wiggling to loosen the connection.

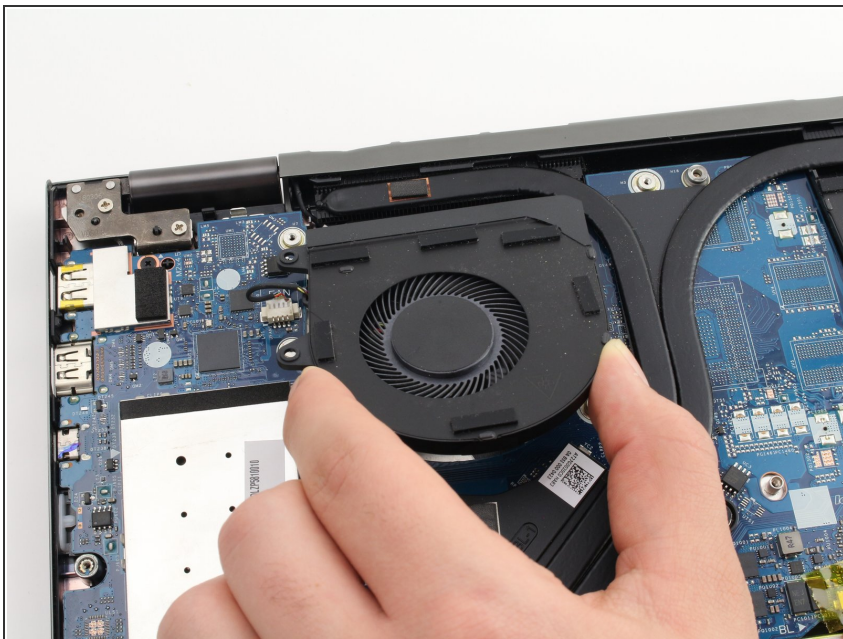 - You can also use the white tabs on the connector to push the cable free.

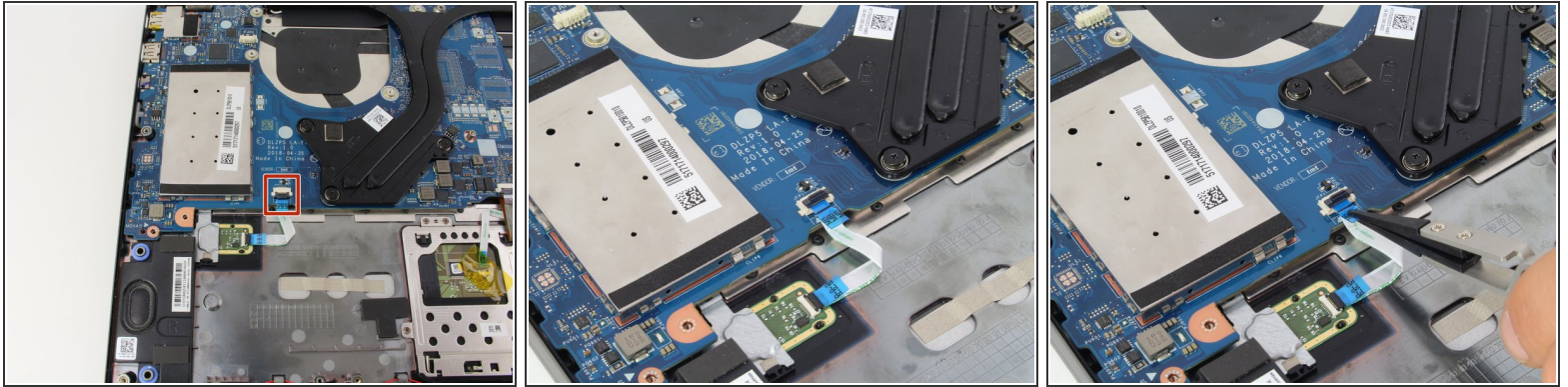## Step 12

- Remove two 4mm Phillips #1 screws.

Step 13

- Pull the fan up and towards the front of the laptop.

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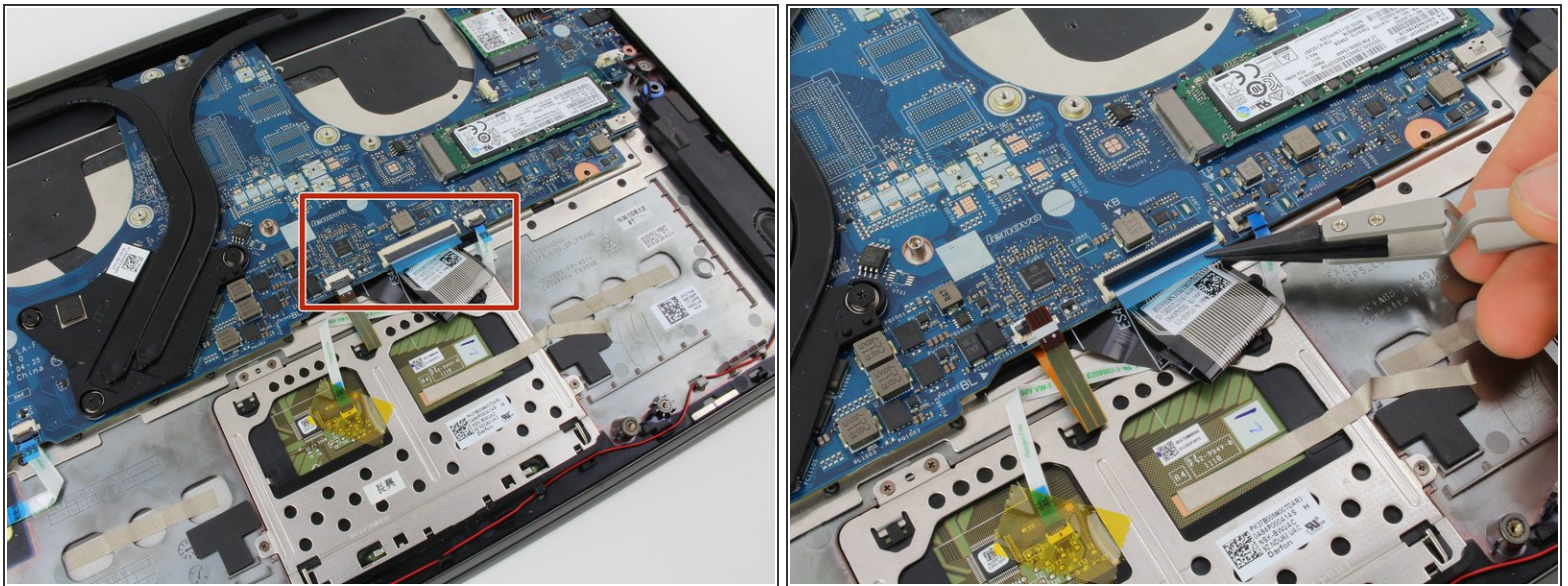
Step 14 — Motherboard

- Remove the fingerprint reader ribbon cable located at the bottom left of the motherboard.
  - Pull up on the black tab on the connector.
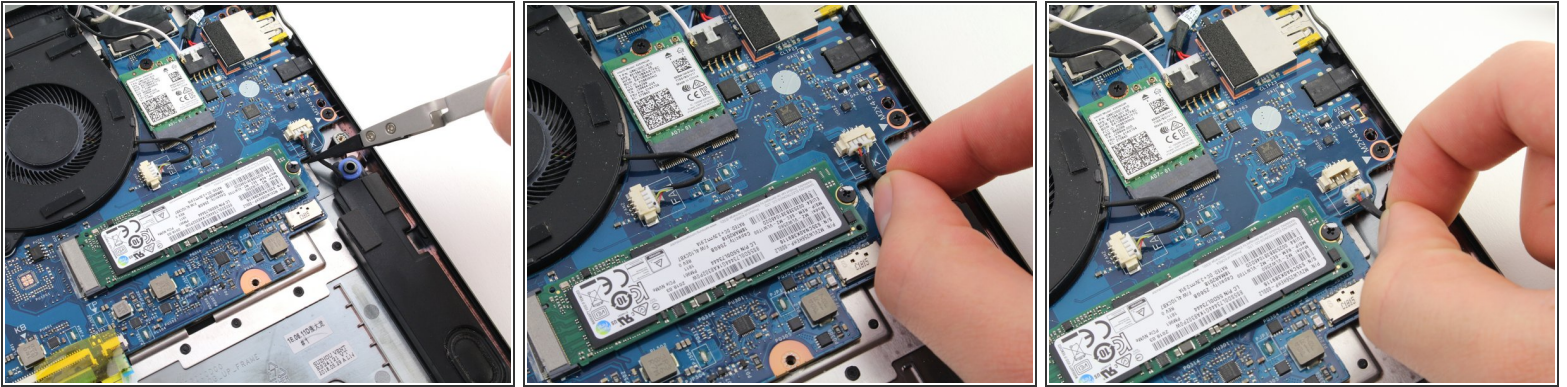 - The ribbon cable should easily pull out of the connector.

Step 15

- Remove the three other ribbon cables at the lower edge of the motherboard.
  - For each, lift up the black tab on the connector.
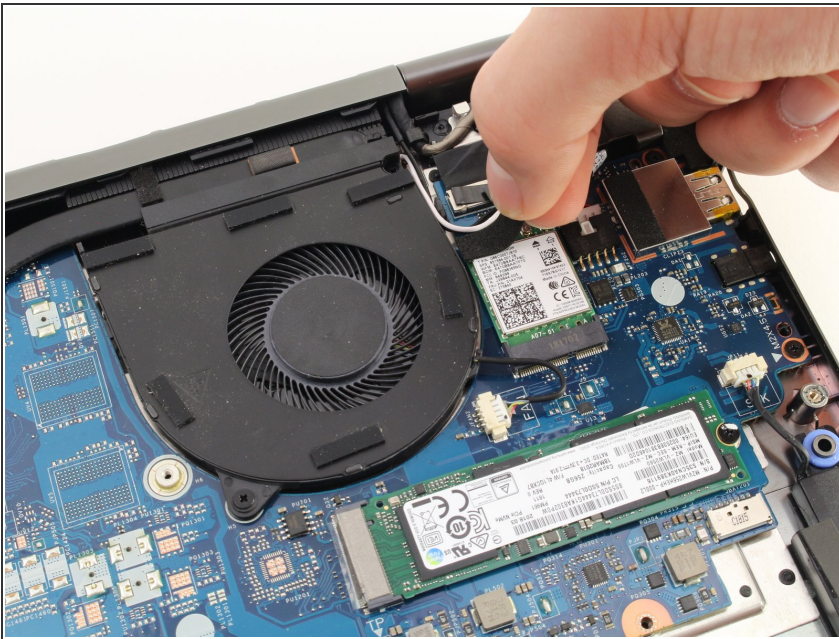 - The ribbon cables should easily pull out of the connectors.

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Step 16

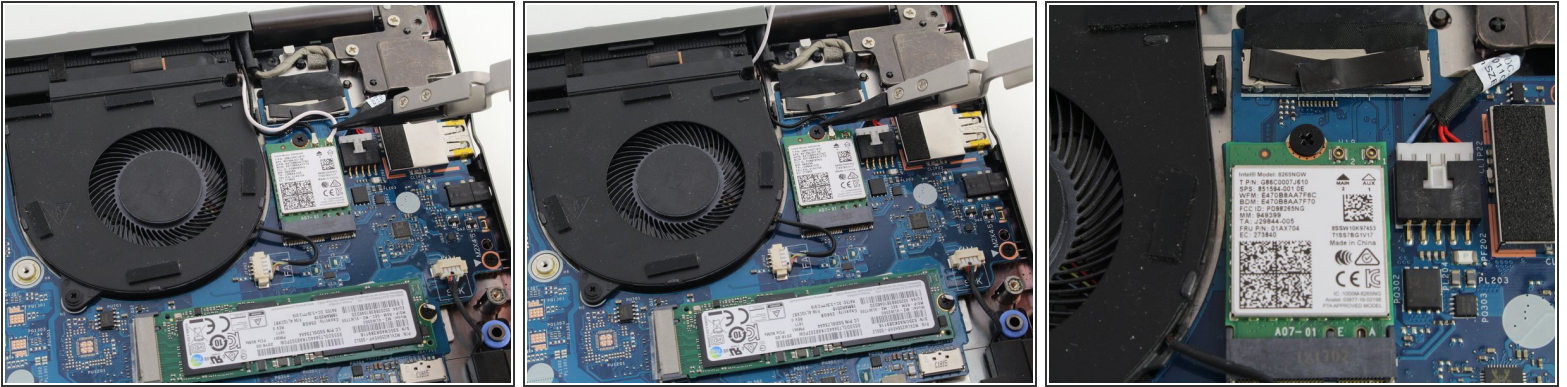- Disconnect the speaker cable by pulling the wire towards the front of the laptop.

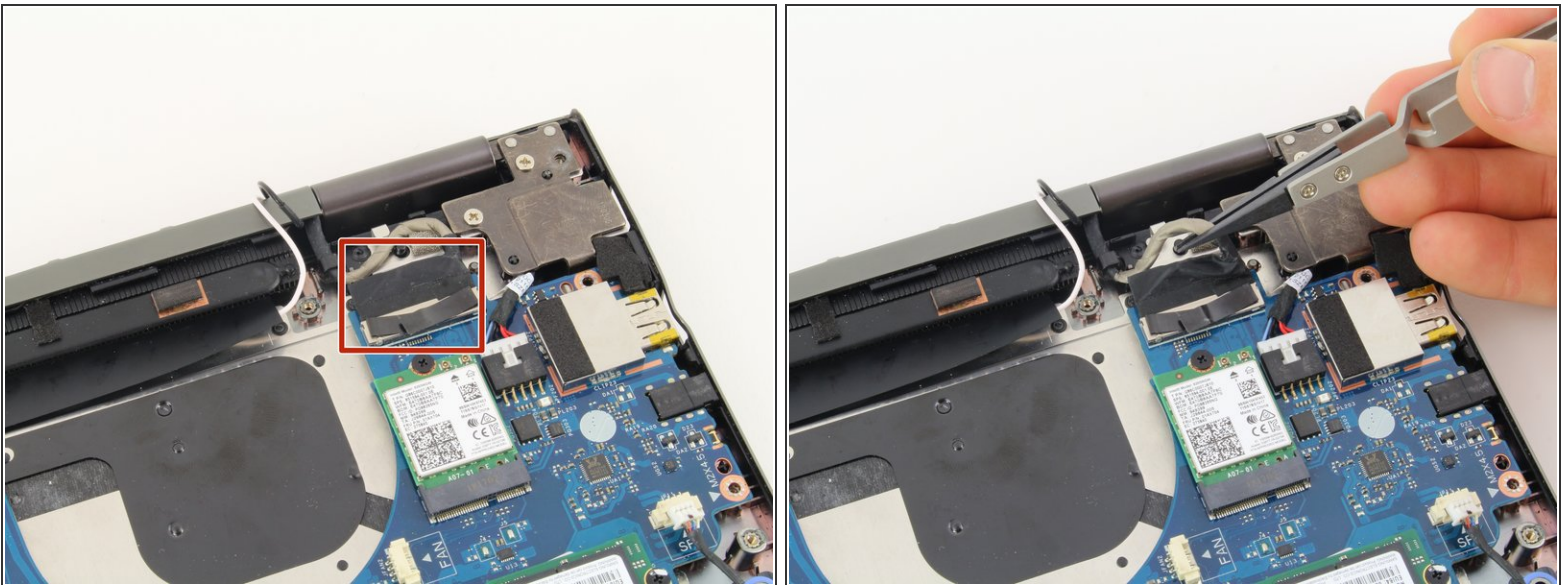- (i) You can also use the white tabs on the connector to push the cable free.

Step 17

- Remove the sticky tape from the top of the wireless card.

Step 18

- Pull the black and white antenna wires off of the wireless card.

- For reassembly, the white wire connects to the right terminal marked "1." The black wire connects to the left terminal marked "2."
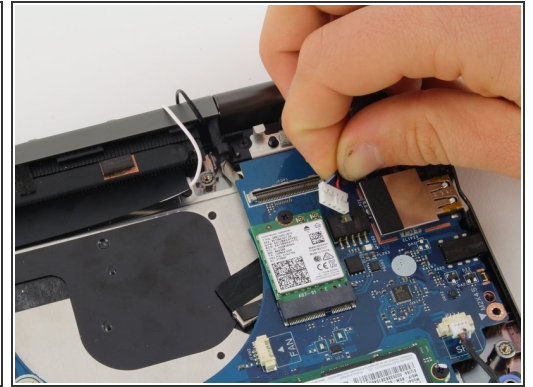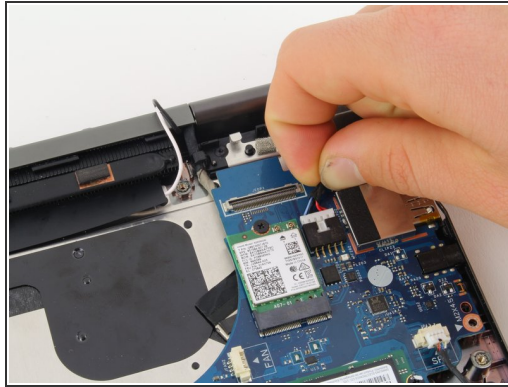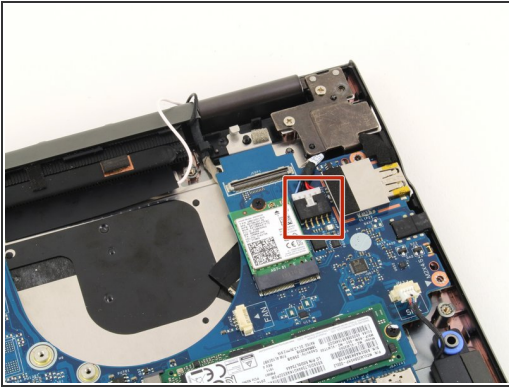
Step 19

- Pull up on the thick gray display cable near the back of the laptop to disconnect the display.

Step 20

ⓘ The charger port is connected to the computer by a cable at the top left of the motherboard.

● Disconnect the cable by pulling the bundle of wires firmly toward the back of the laptop.

⚠ The cable requires some force to remove. Make sure you do not damage the connector or cable.

Step 21

● Remove four 4mm Phillips #1 screws.

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Step 22
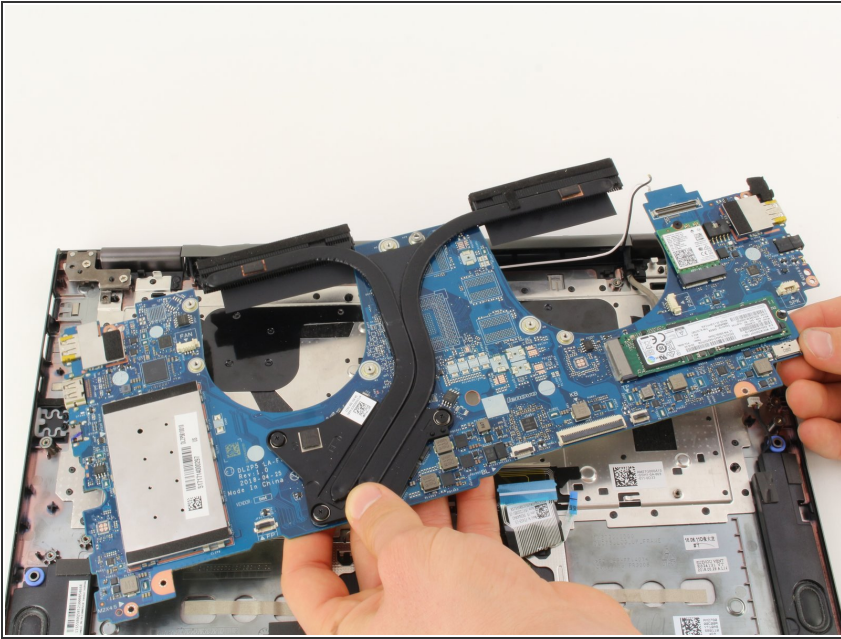
- Pull the motherboard up out of the laptop chassis.

- (i) If you are replacing the motherboard, make sure to remove the SSD, wireless card, heat sink, and extra RAM. Transfer these components to the new motherboard.

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