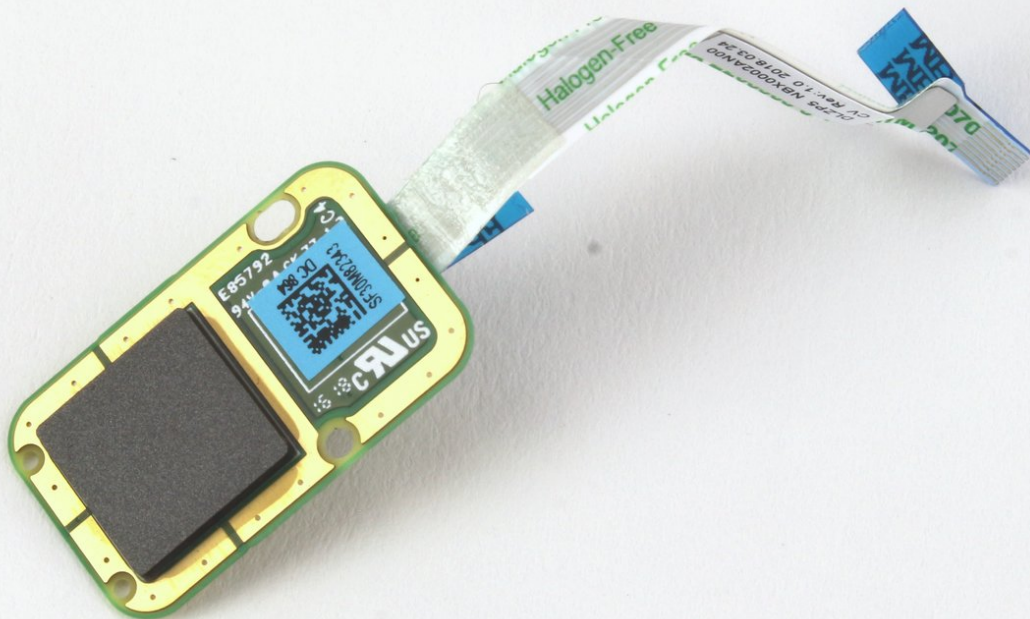# Lenovo YOGA 730-15IKB Fingerprint Reader Replacement

This guide describes the steps required to replace the fingerprint reader on a Lenovo YOGA 730-15IKB.

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INTRODUCTION

Follow this guide to replace the fingerprint reader in your Lenovo YOGA 730-15IKB. The fingerprint reader recognizes your unique fingerprint and allows you to easily unlock the laptop.

See the troubleshooting page first to diagnose any software issues related to the fingerprint reader. If your fingerprint reader is scratched or does not recognize your fingers, you might need to replace it with a new, functional model.

TOOLS:

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

PARTS:

- Lenovo Yoga 730-15 Fingerprint Sensor (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.
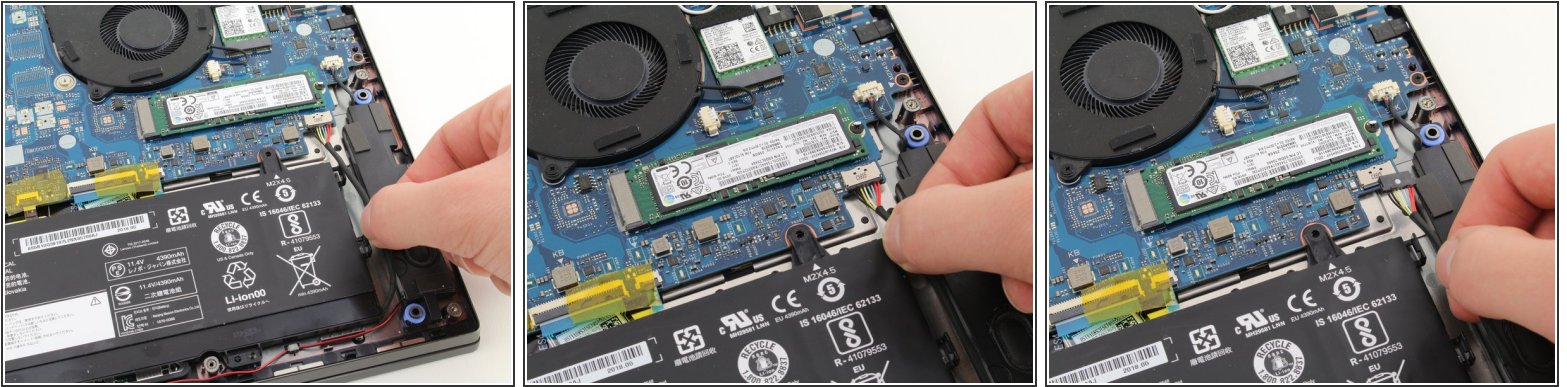
Step 2

- 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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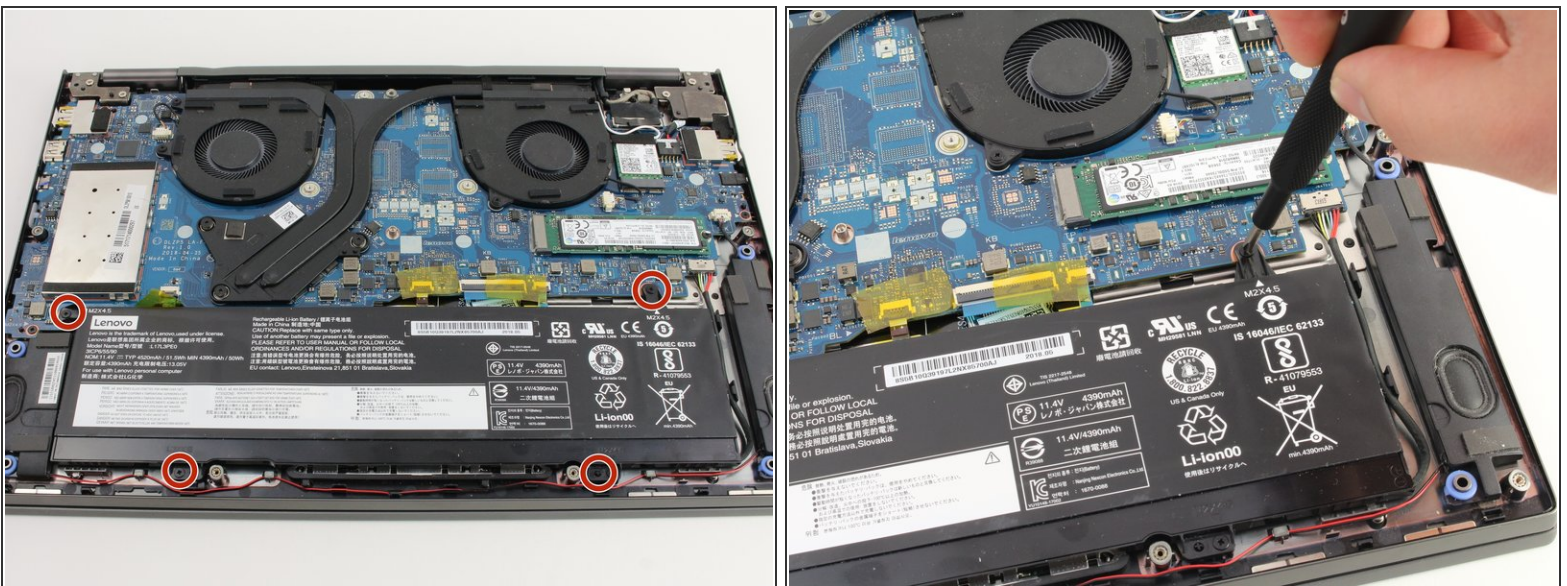
Step 4 — Battery

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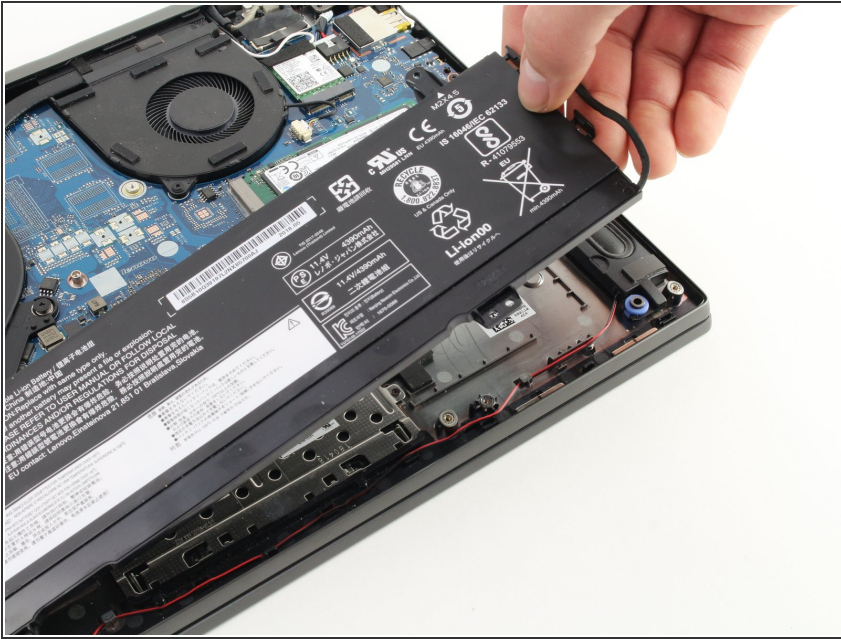
  ⚠ Pull parallel to the battery, not straight up.

  ⓘ 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.

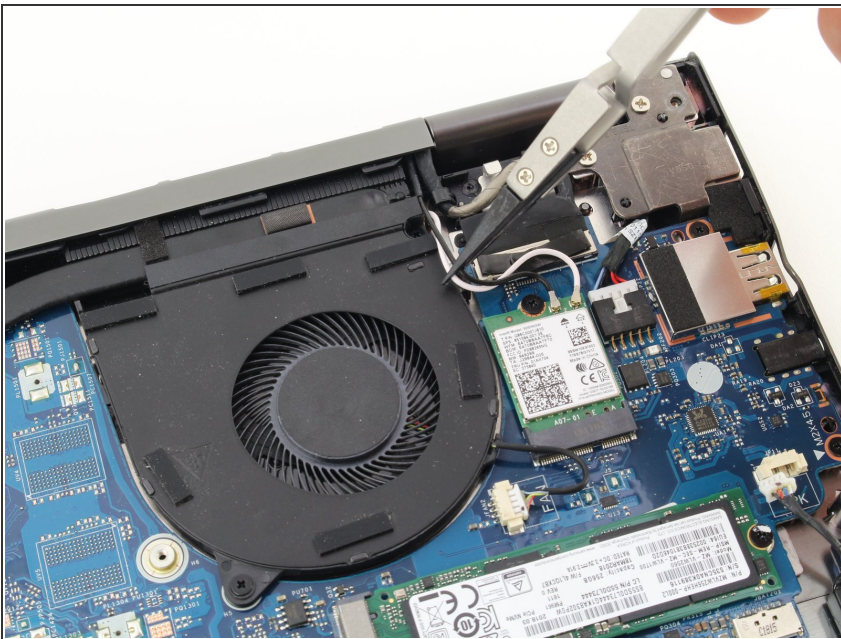This document was generated on 2022-10-07 05:13:57 AM (MST).

Step 6
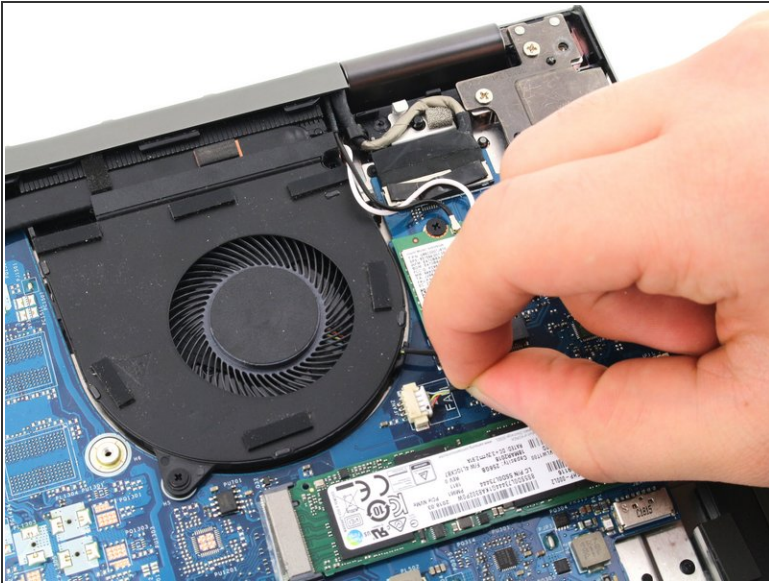

- Lift the battery up and out of the chassis.

⚠️ Handle the battery carefully. Touching the terminal may cause electric shock. Puncturing the battery may cause it to catch fire.
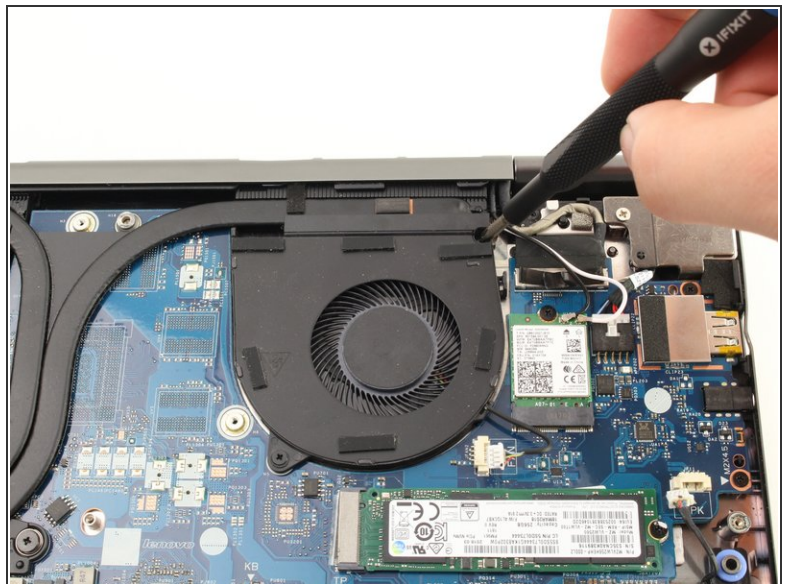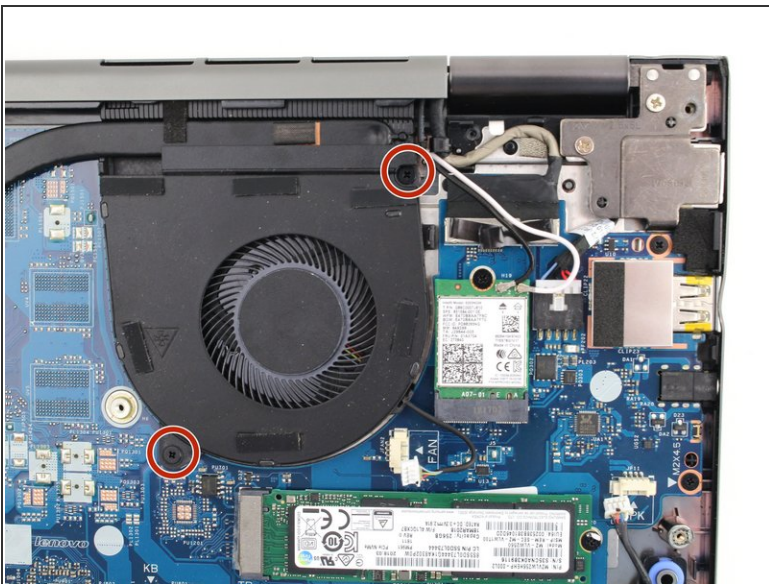
Step 7 — Left Fan

ⓘ 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.

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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.
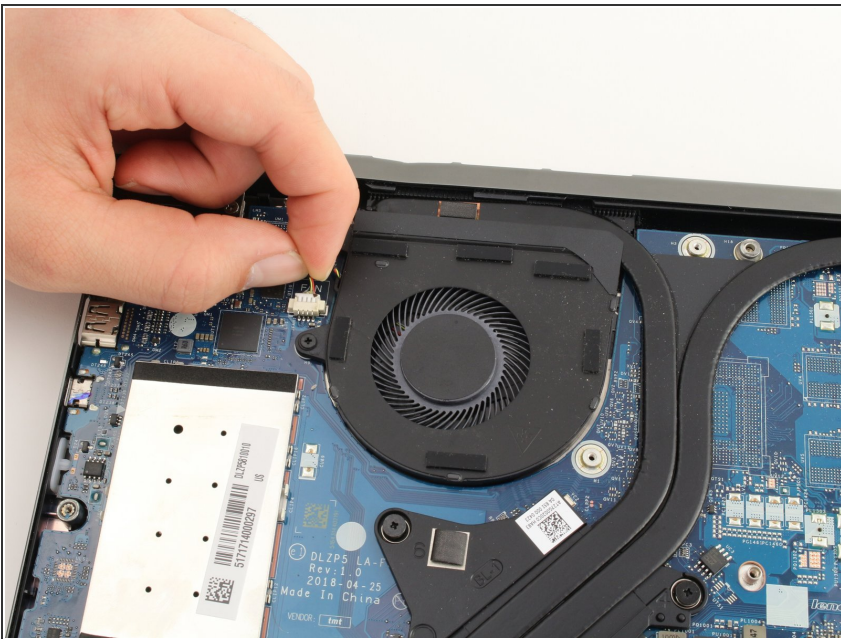
Step 9

- Remove two 4mm Phillips #1 screws.
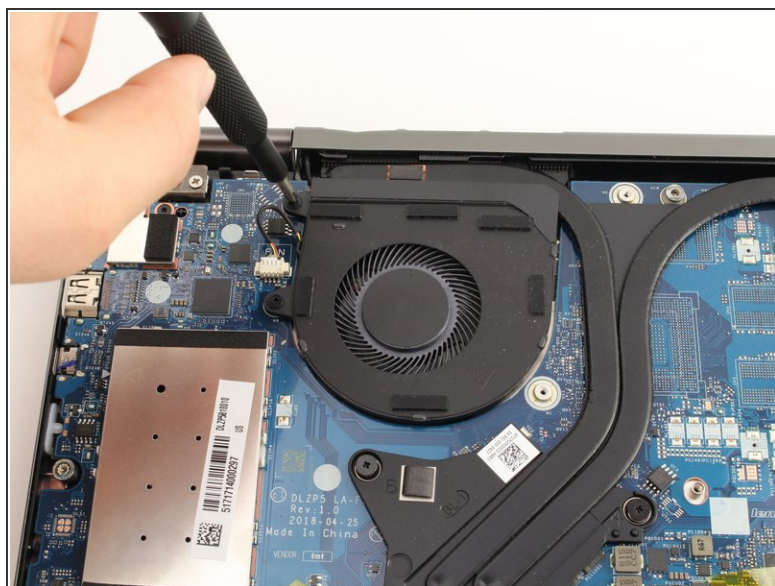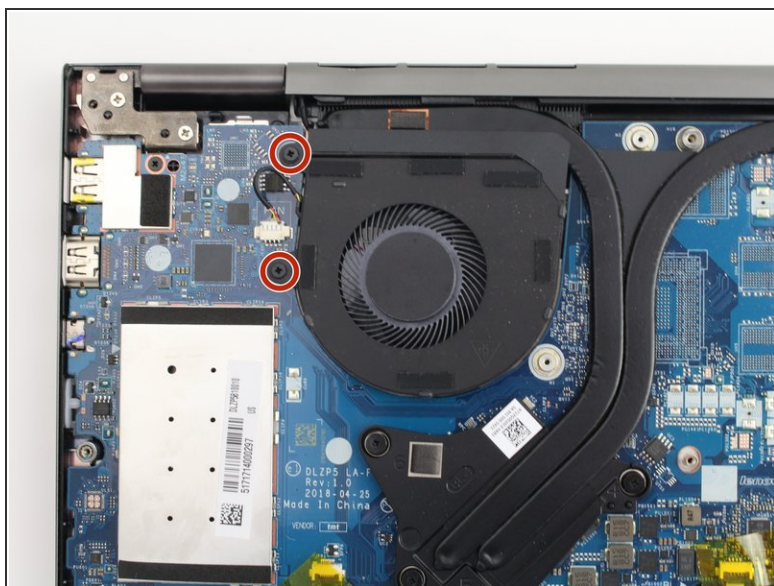
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Step 10

- 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.
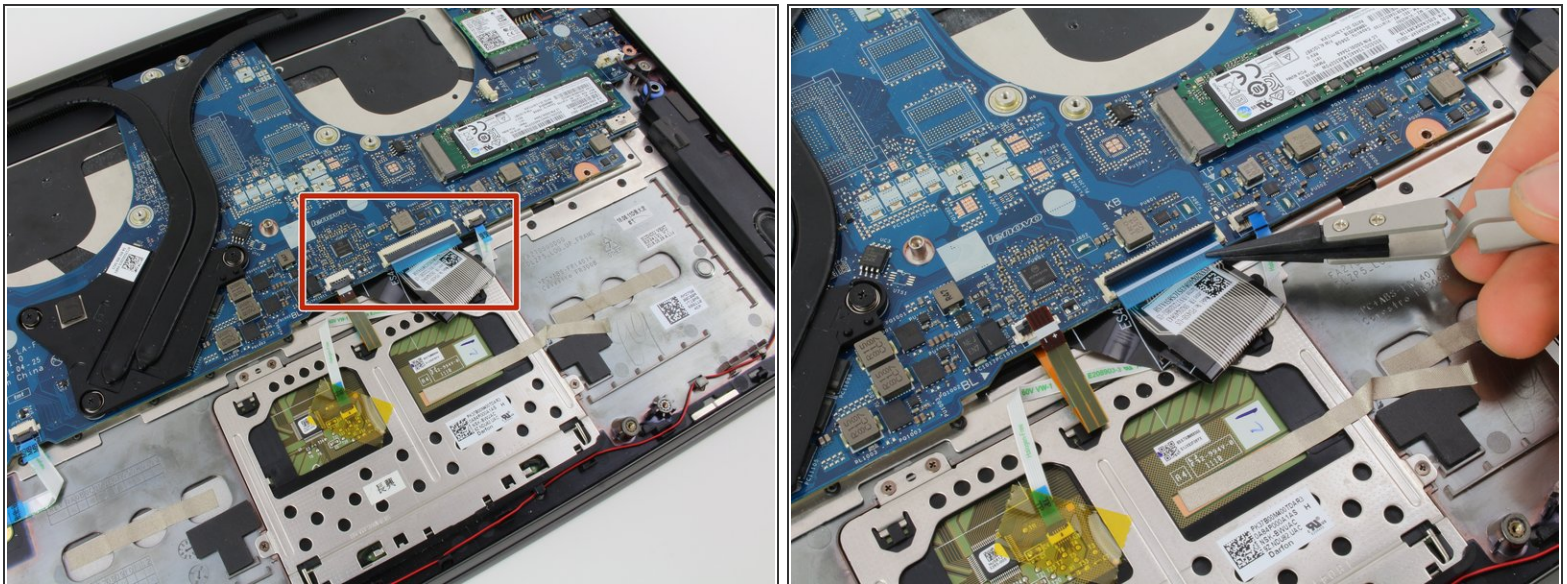
Step 12

- Remove two 4mm Phillips #1 screws.

Step 13

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

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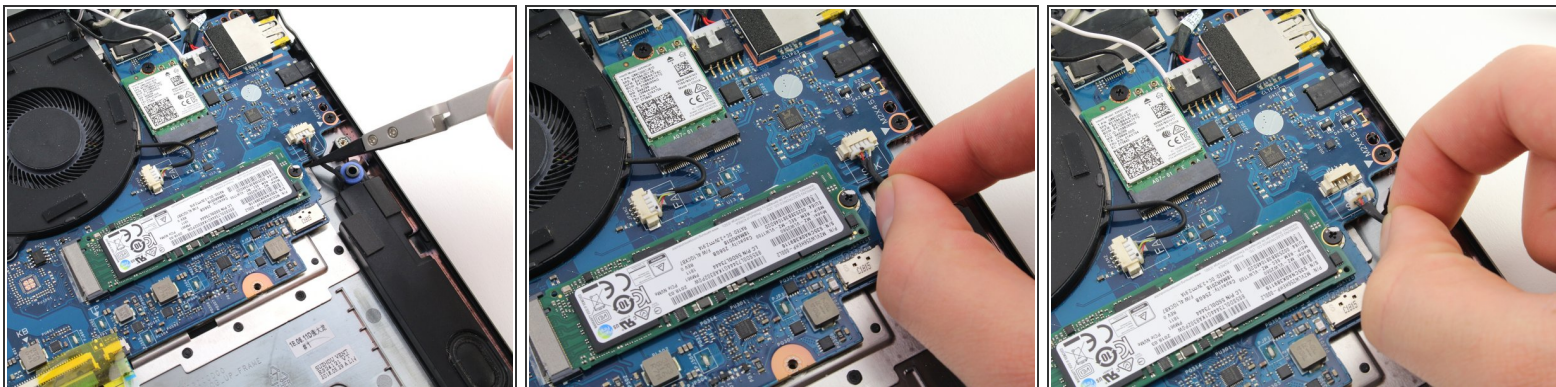
Step 14 — Motherboard

- 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.
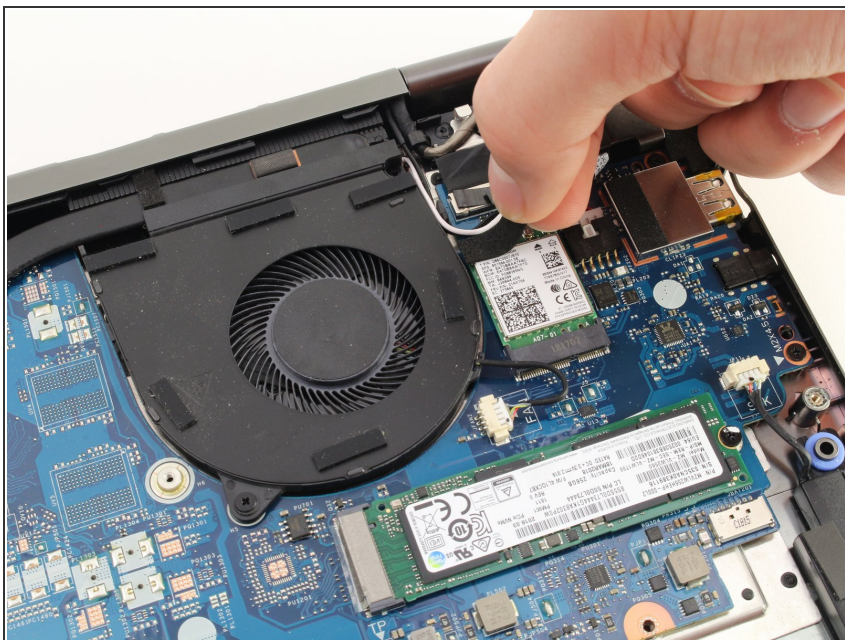 - The ribbon cables should easily pull out of the connectors.

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Step 16

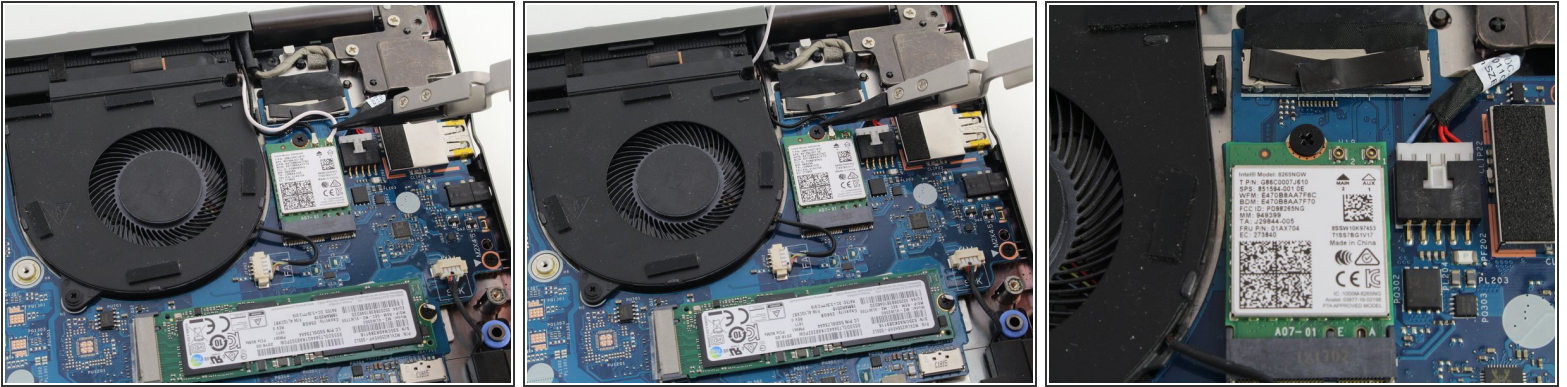- Disconnect the speaker cable by pulling the wire towards the front of the laptop.

- (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.

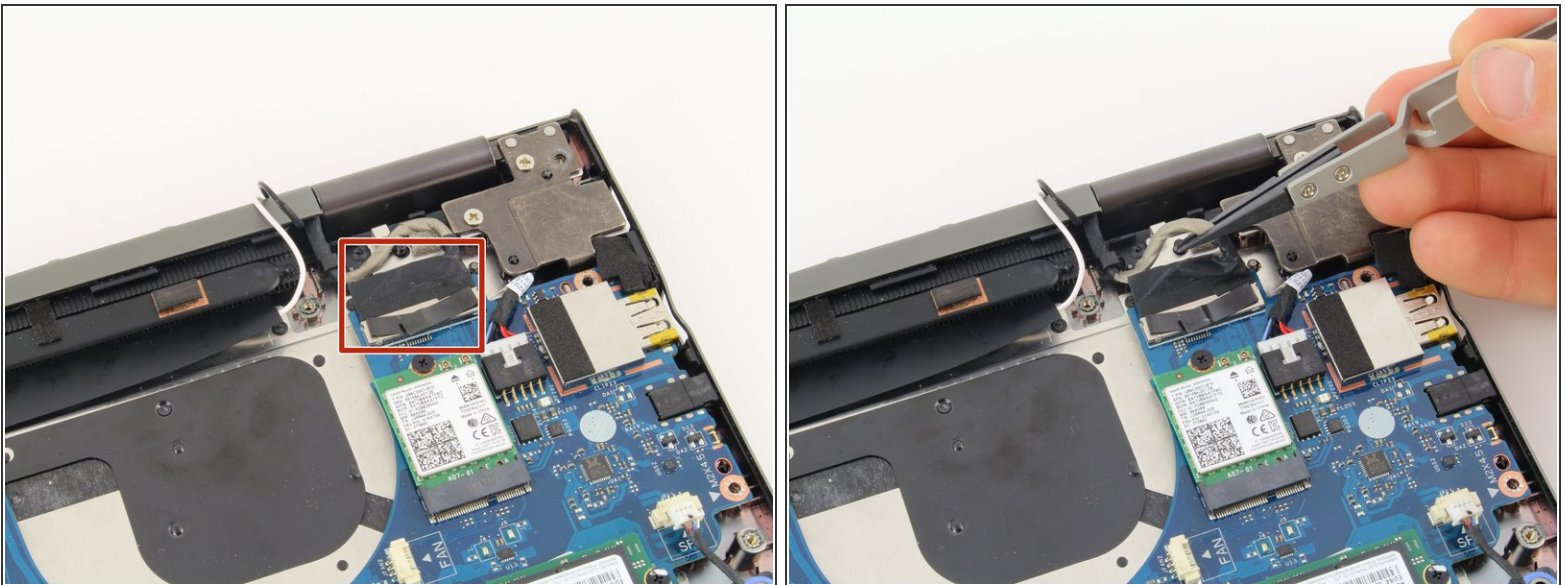This document was generated on 2022-10-07 05:13:57 AM (MST).

Step 18

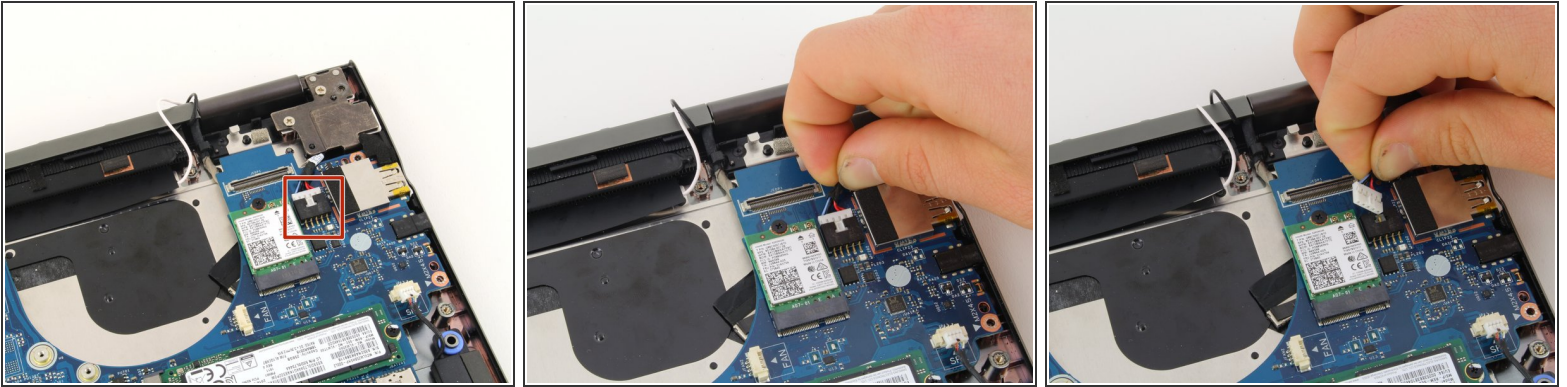- Pull the black and white antenna wires off of the wireless card.

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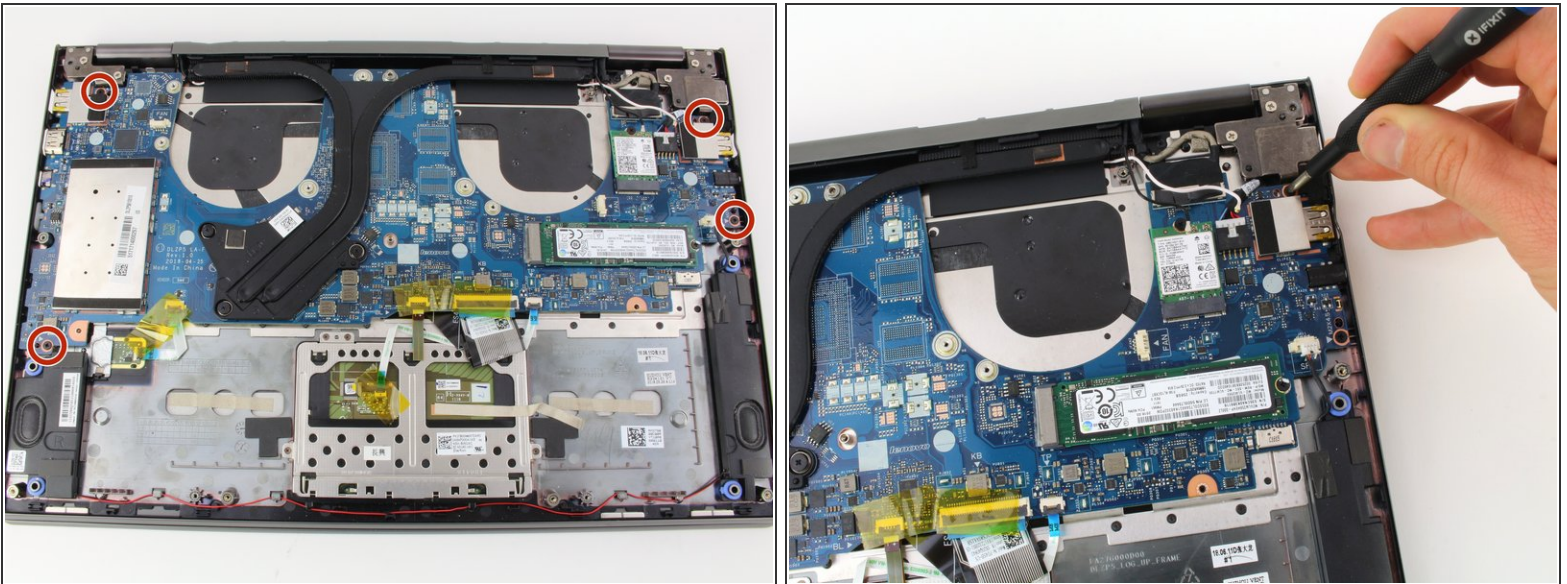
Step 19

- Pull up on the thick gray display cable near the back of the laptop to disconnect the display.
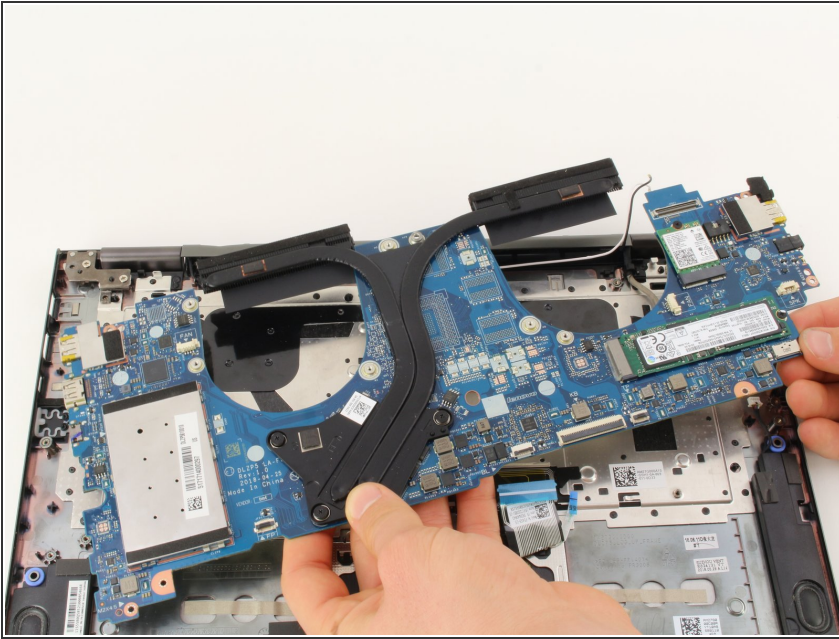
Step 20

(i) 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.
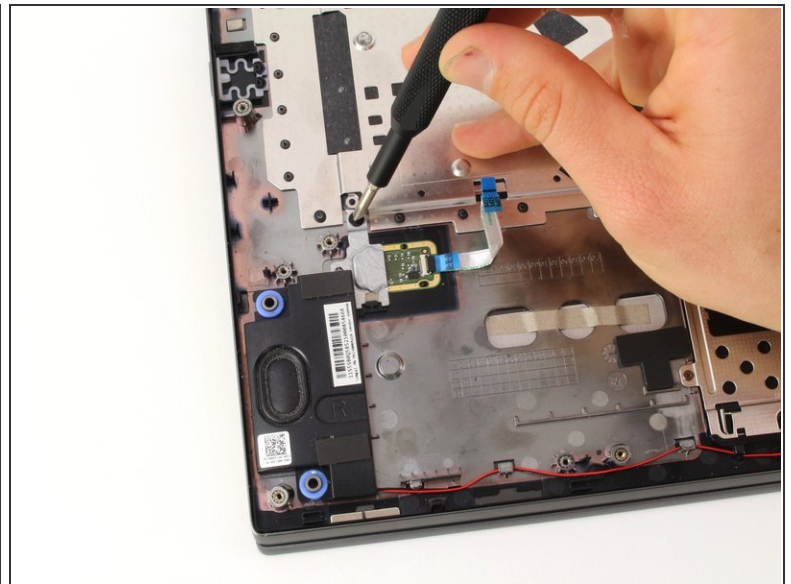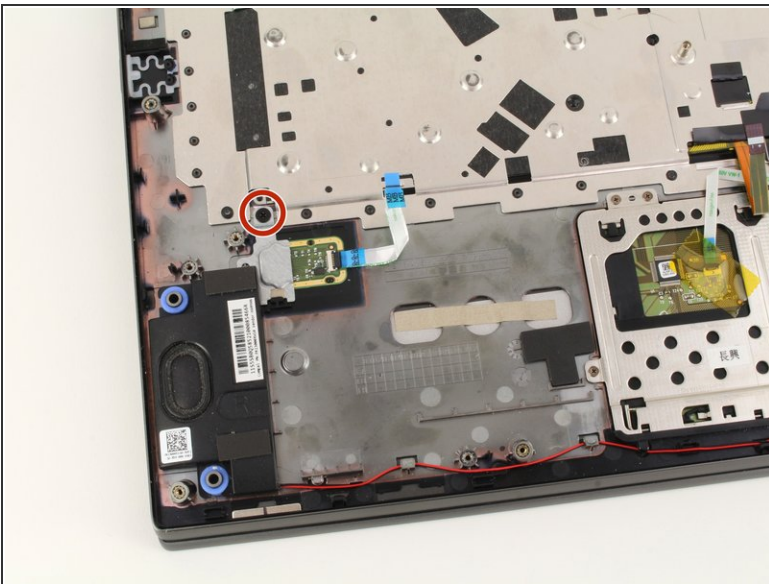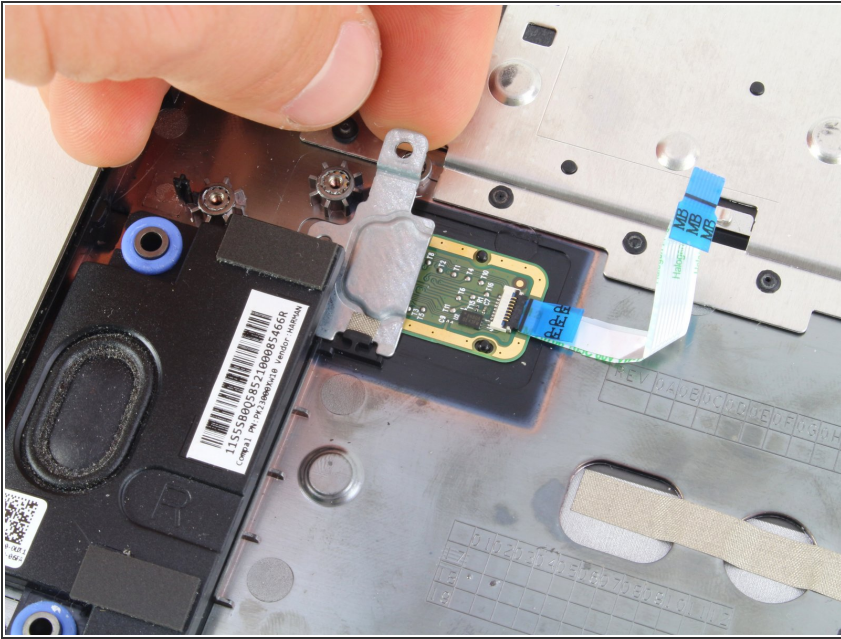
Step 21

● 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.
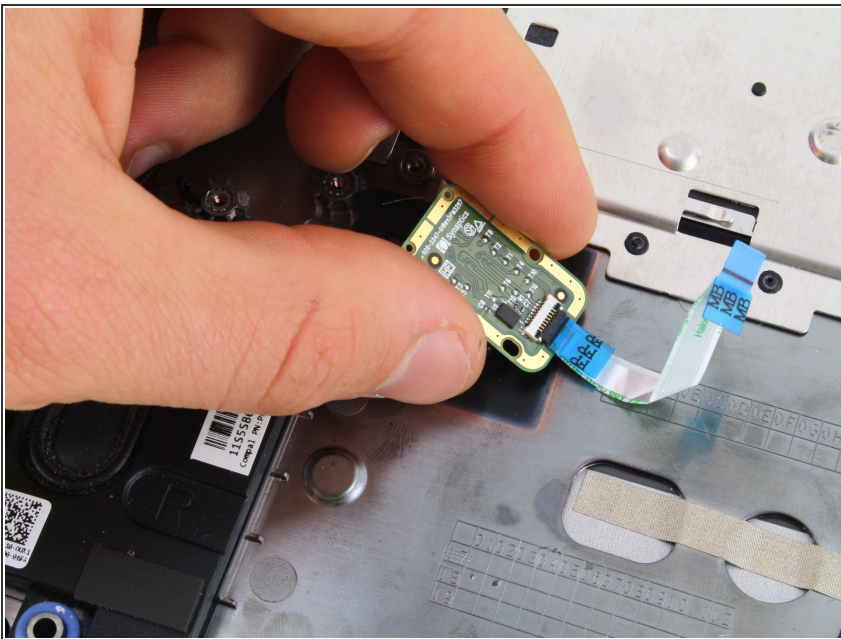
Step 23 — Fingerprint Reader

- Remove one 2mm Phillips #1 screw.

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Step 24

- Remove the small metal plate from above the reader.

- ⓘ The ribbon should be kept in case the new fingerprint reader doesn't come with a new ribbon to connect it to the motherboard.

Step 25

- Pull the fingerprint reader up out of the chassis.

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

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