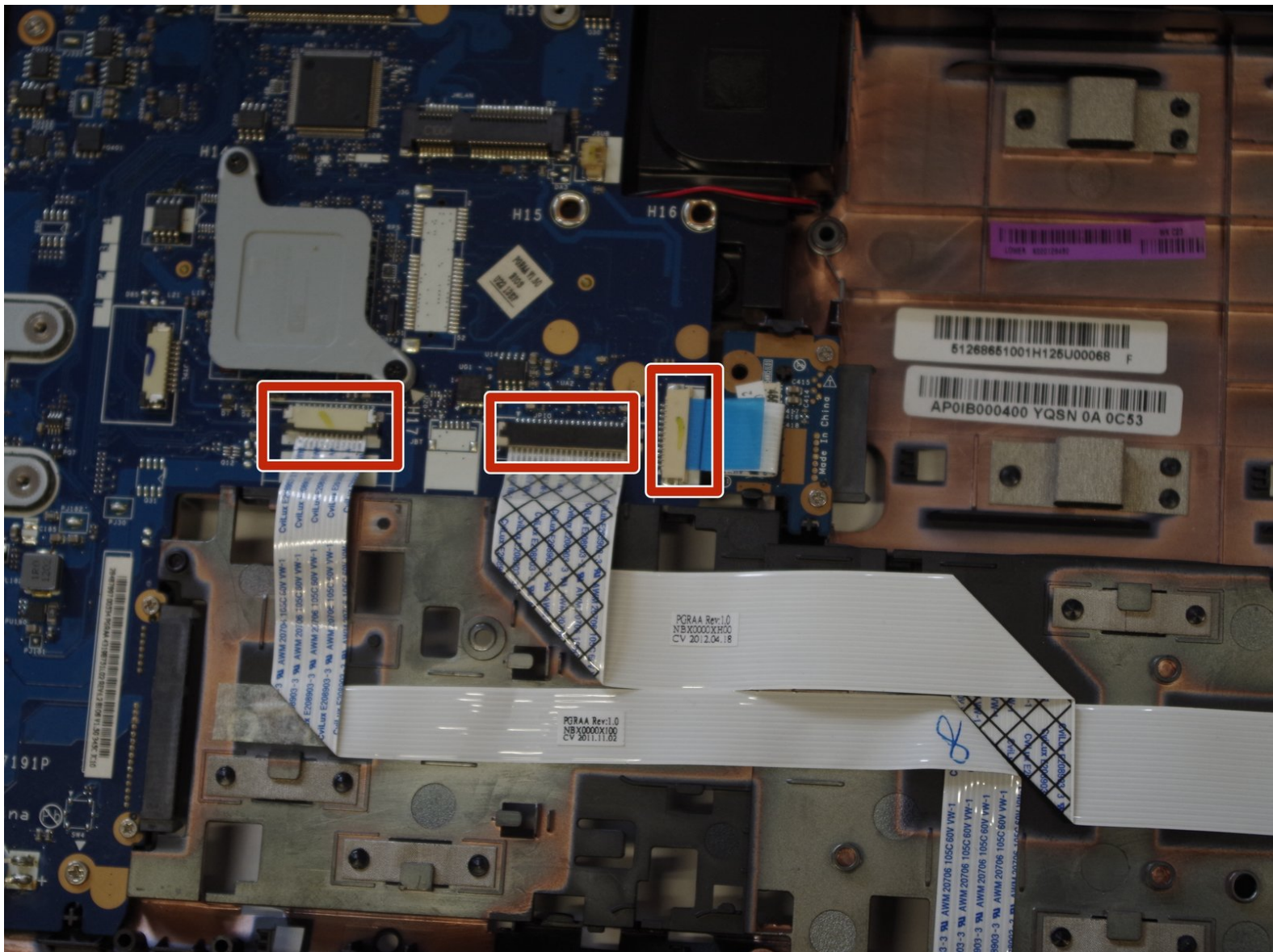# Toshiba Qosmio X775-3DV80 Motherboard Replacement

This guide shows how to replace the motherboard in your Toshiba Qosmio X775-3DV80.

Written By: Jesse Adam Ory

🔧 TOOLS:

- Spudger (1)
- Tweezers (1)
- Phillips #00 Screwdriver (1)
- iFixit Opening Tool (1)

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Step 1 — Battery

- Turn your laptop over so the underside is facing up.

Step 2

- Identify the two sliding locks on either side of the battery.
- Simultaneously slide both locks outward to release the battery.

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Step 3

- Pull the battery straight out of its slot to remove it.
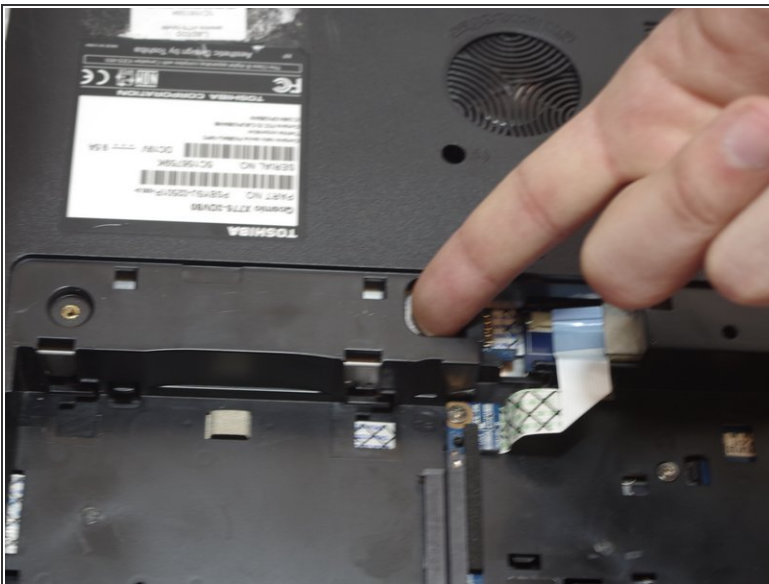
Step 4 — Optical Drive

- Locate the optical drive retaining screw on the underside of the laptop.
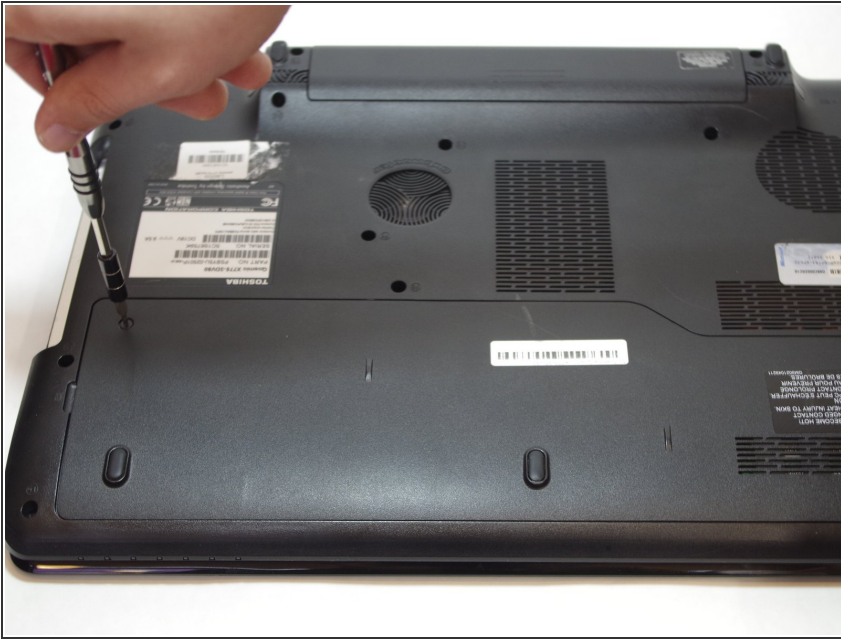
Step 5

- Using a Phillips #00 screwdriver, remove the optical drive retaining screw.

Step 6

- Using your finger or a spudger, push the optical drive out of its compartment so you can grab it.

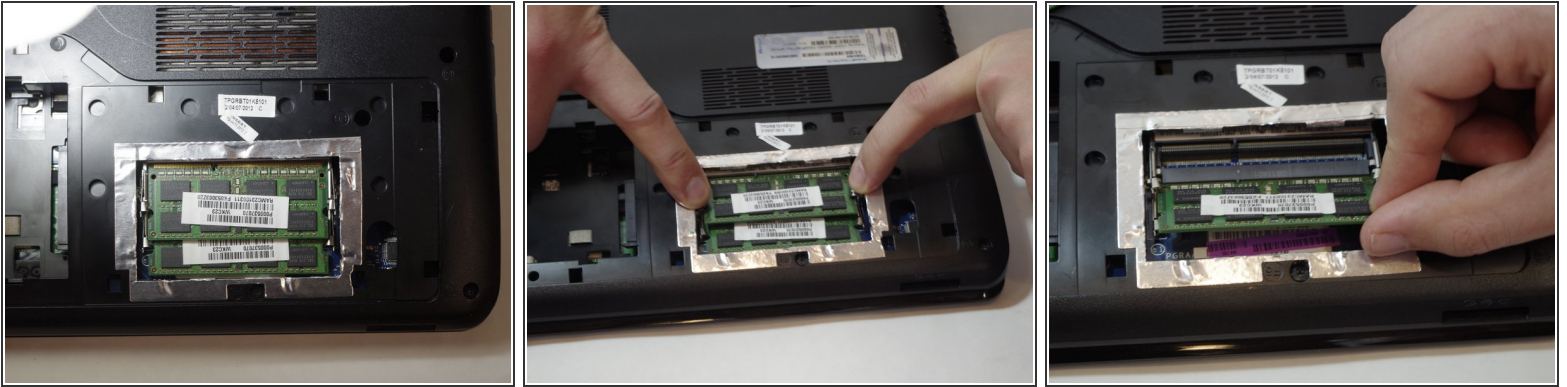- Pull the optical drive out of its slot in the side of the laptop.

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Step 7 — RAM

- Loosen the single screw on the service panel by twisting counterclockwise with a Phillips #00 screwdriver.

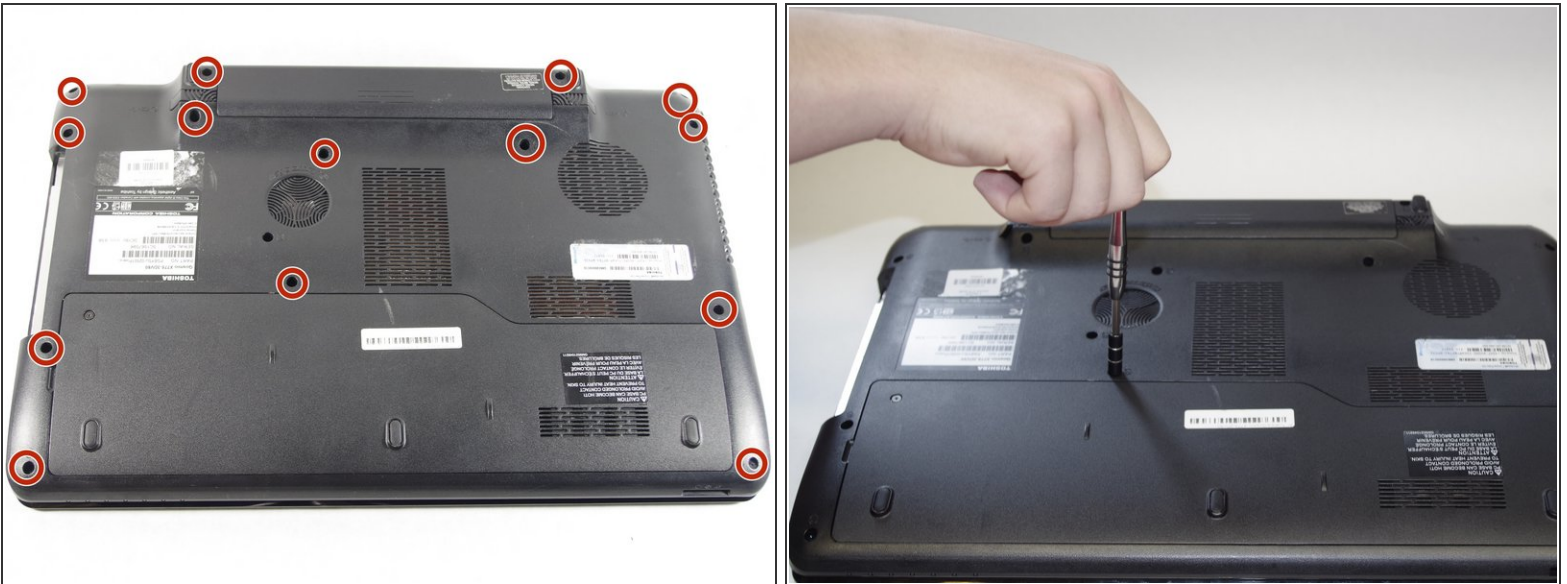- (i) It is a captive screw that will remain attached to the service panel.

Step 8

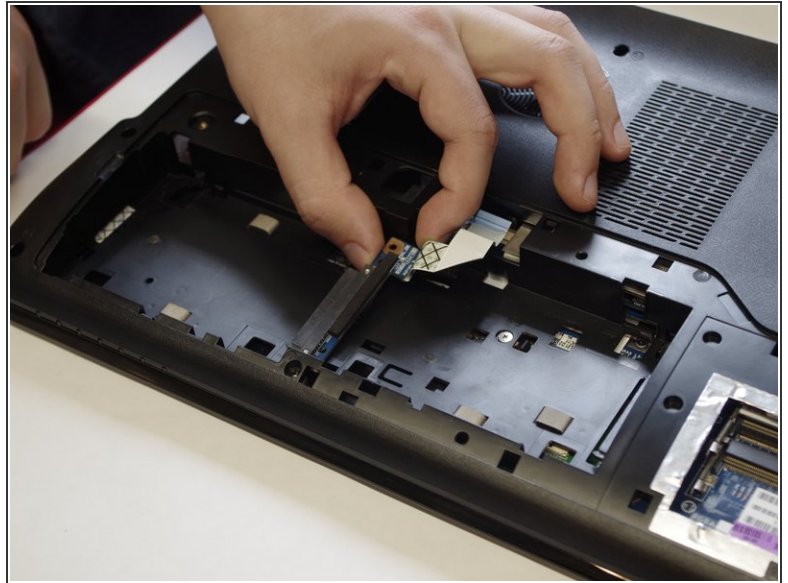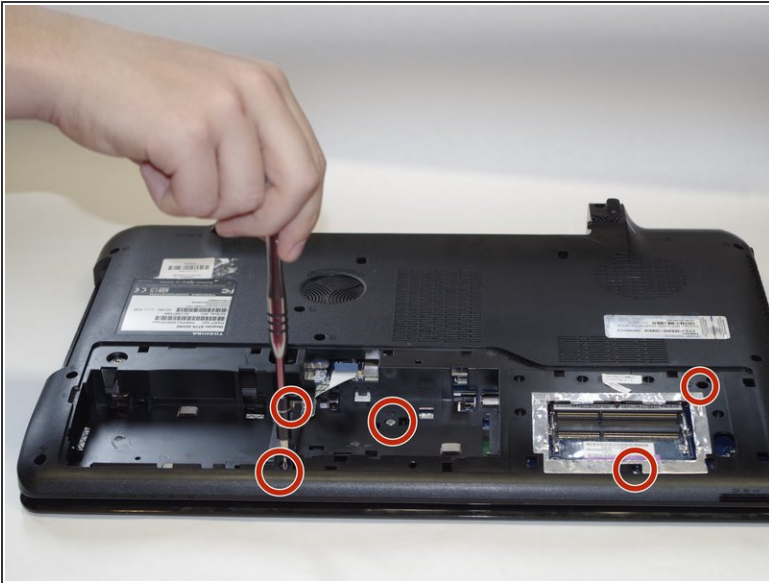- Using a spudger or plastic opening tool, pry off the service panel.

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Step 9

- Using your fingers, pull the retaining clips away from the RAM sticks.

- Pull the RAM sticks out of the slots.

Step 10 — Keyboard

- Using a Phillips #00 screwdriver, remove all the remaining fourteen screws from the bottom case of the laptop.
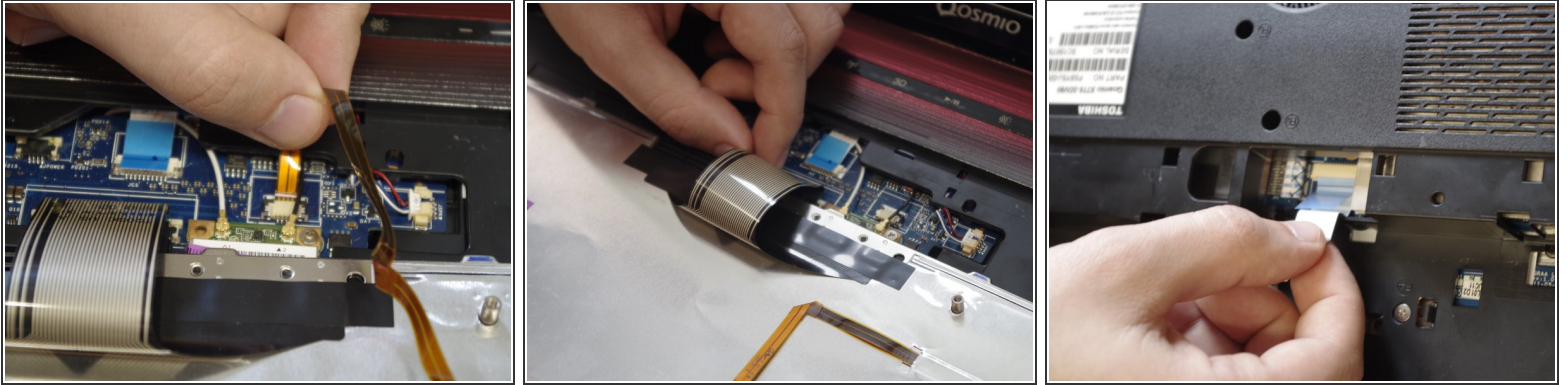
- (i) The service panel should already be removed.

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Step 11

- ● Using a Phillips #00 screwdriver, remove the five screws under the service panel.

- ● Remove the retaining clip.

Step 12

- ● Using a spudger, pry the keyboard from the top panel of the laptop.

- ⓘ Make sure to pry it off all around.
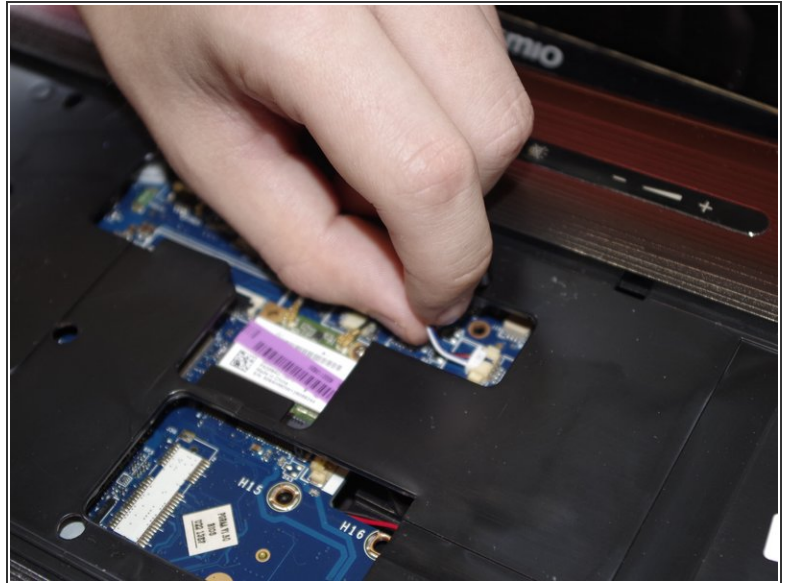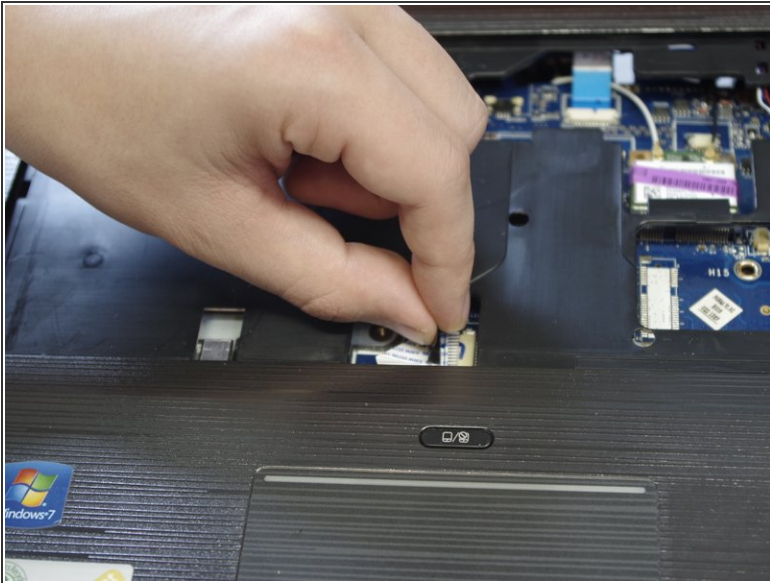
Step 13

- Disconnect the two ribbon cables connecting the keyboard to the laptop.

- Unplug the connector on the bottom of the laptop.

Step 14 — Fan
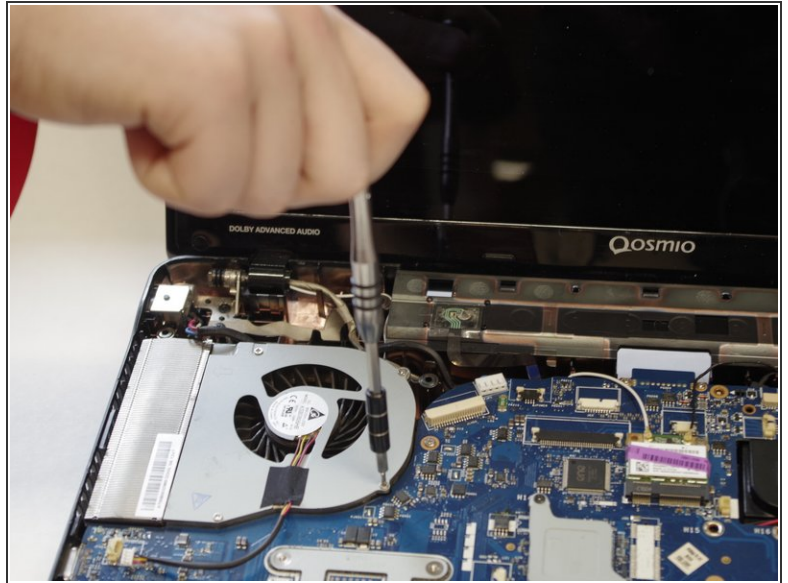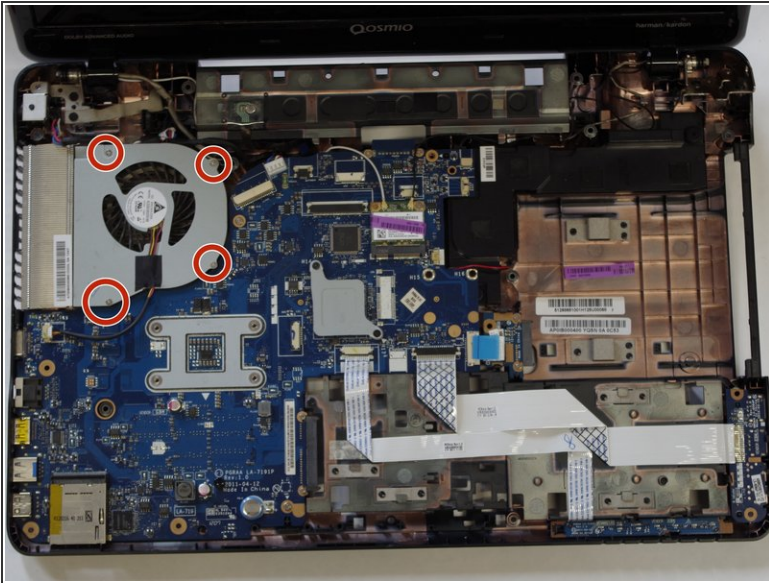

- Separate the two halves of the base of the laptop.

Step 15

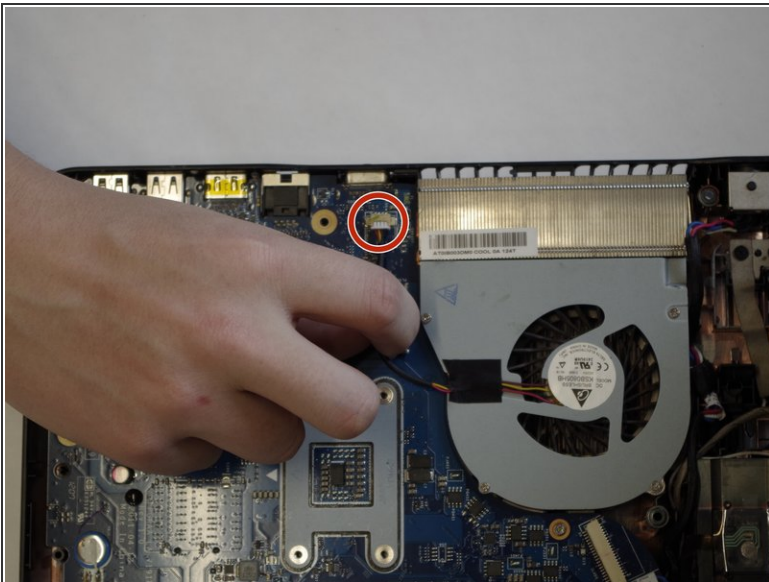- Disconnect the two cables.

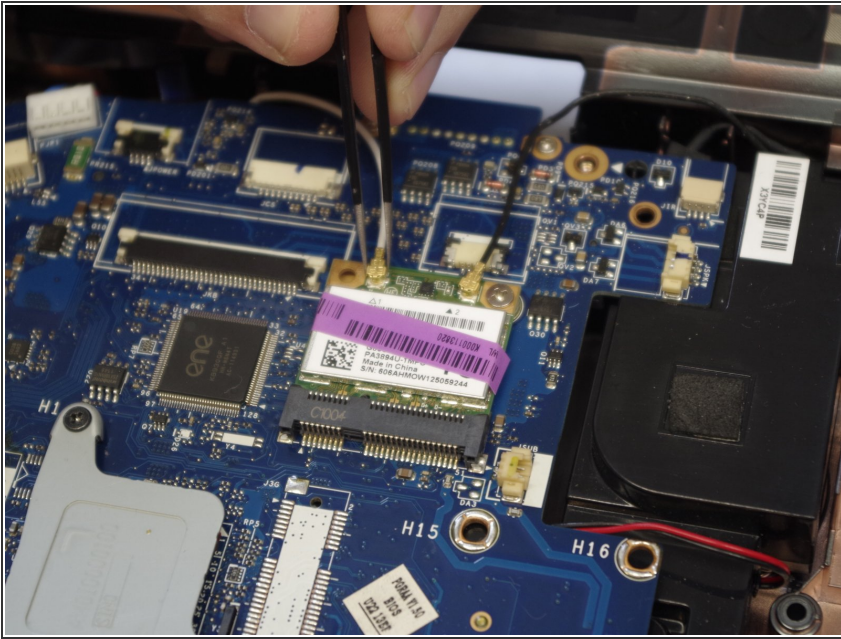## Step 16

- Remove the palmrest assembly.

Step 17

- Using a Phillips #00 screwdriver, remove the four screws securing the fan assembly to the laptop.

Step 18
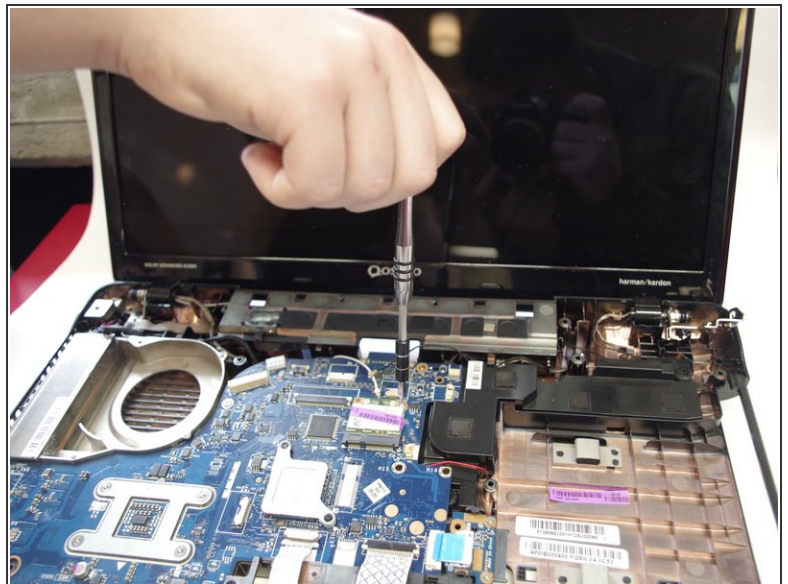

- Unplug the fan-motherboard connector.
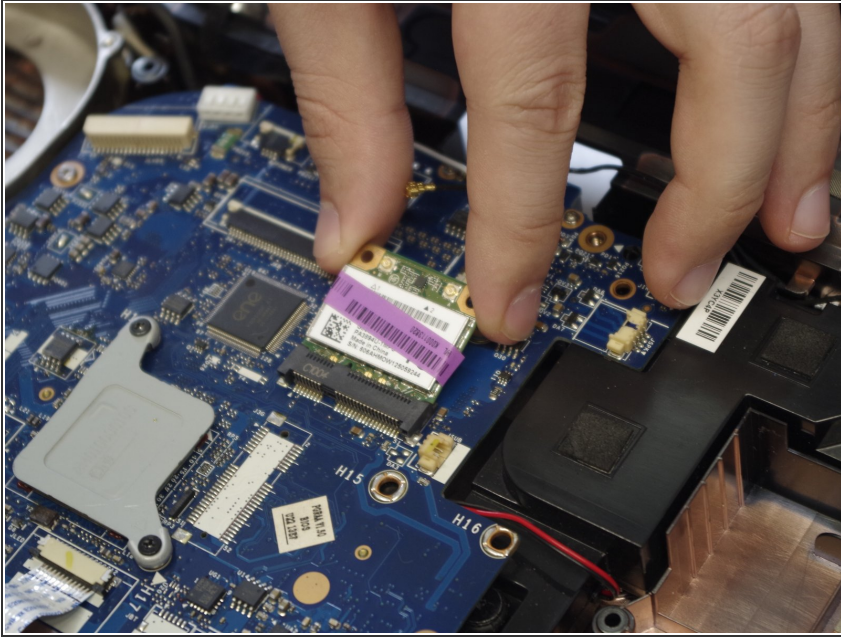- Remove the fan unit.

Step 19 — Wifi Chip

- Detach the two coaxial connections from the wifi chip.
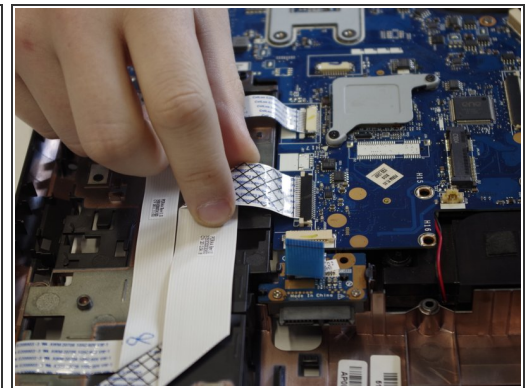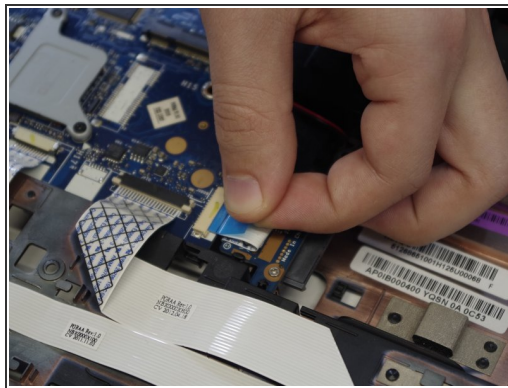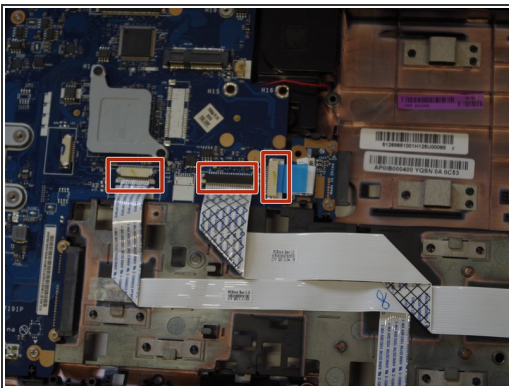
Step 20

- Using a Phillips #00 screwdriver, remove the two screws from the wifi chip.
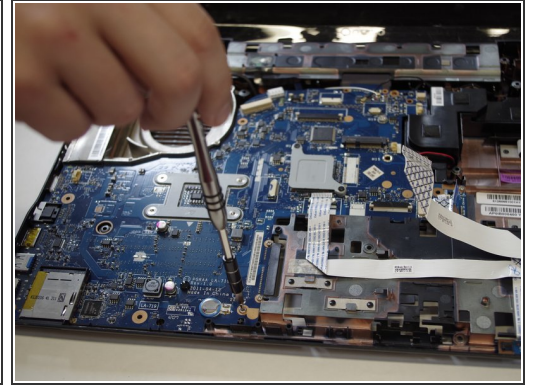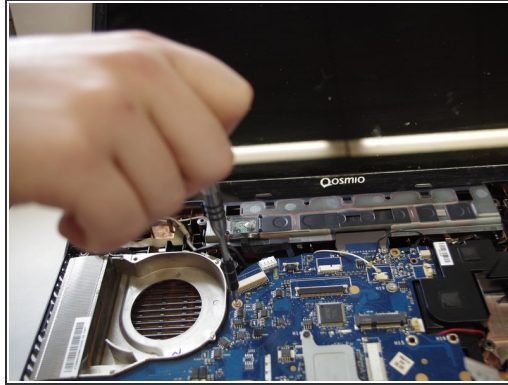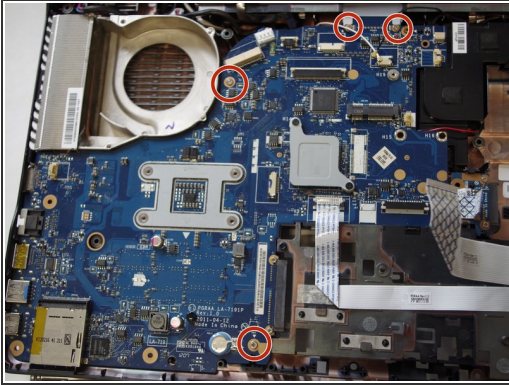
Step 21

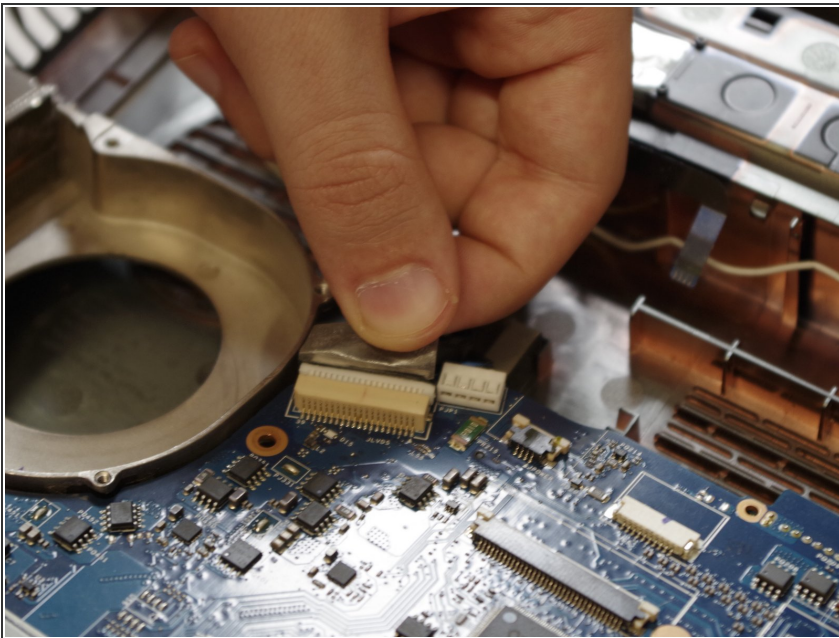- Remove the wifi chip by pulling it out of the PCIe slot.

Step 22 — Motherboard

- Disconnect the three ribbon cables.

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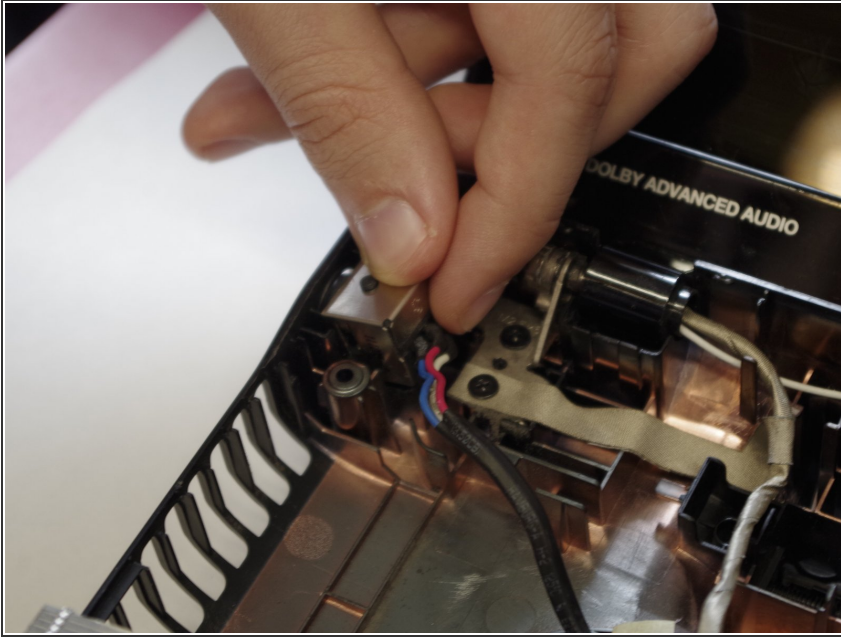
Step 23

- Using a Phillips #00 screwdriver, remove the four screws securing the motherboard to the laptop.
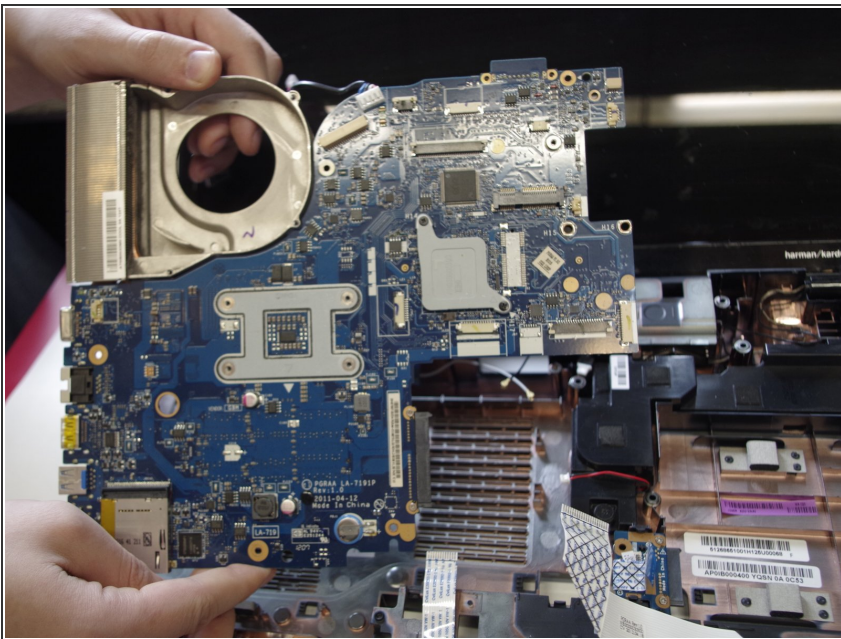
Step 24

- Disconnect the pinned connector.

Step 25

- Remove the 4-pin connector housing by gently wiggling it back and forth.

Step 26

- Remove the motherboard.

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

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