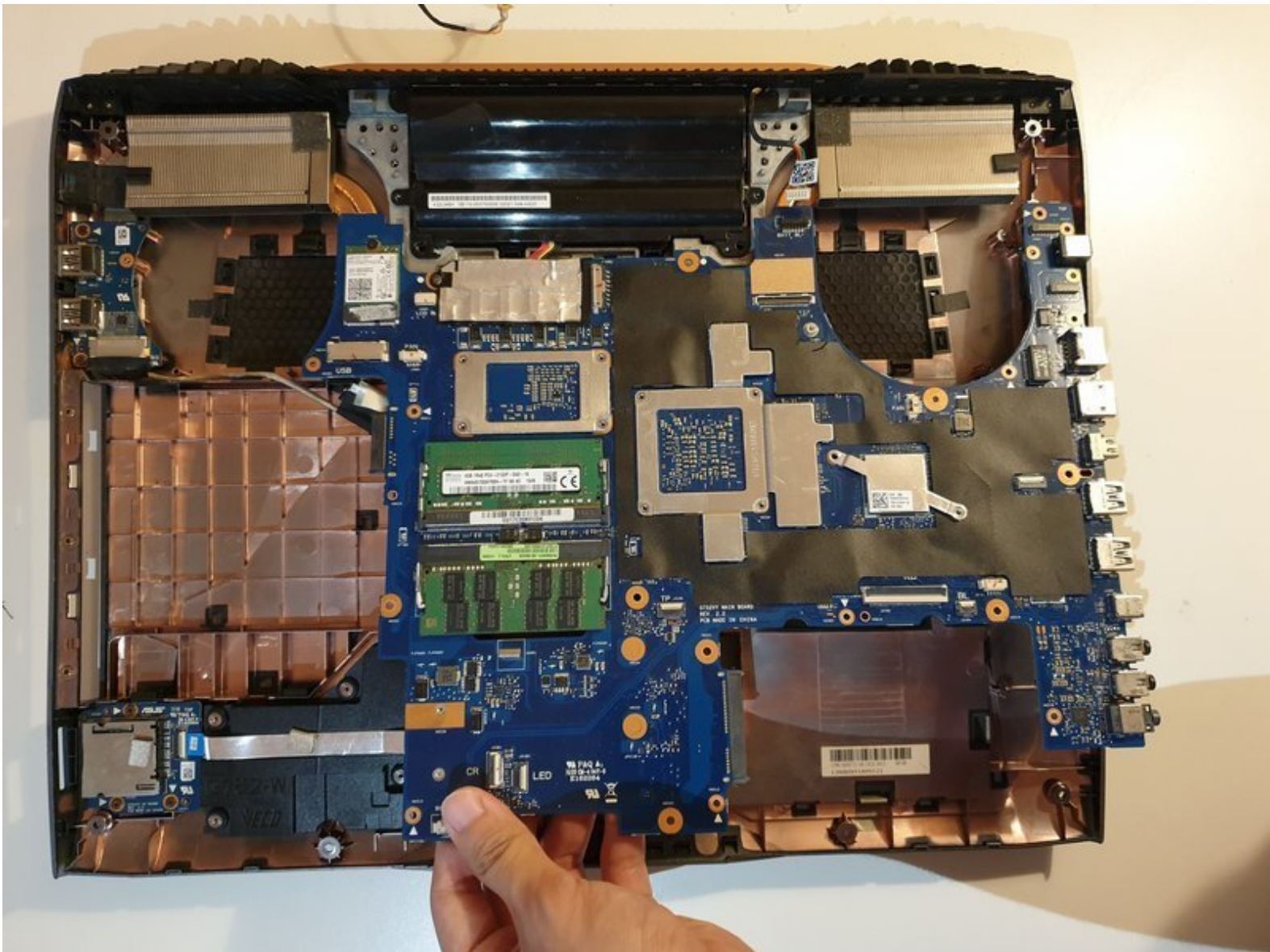# Asus ROG G752V Motherboard Replacement

This guide will help you remove and replace your motherboard.

Written By: Jeong

INTRODUCTION

If you have looked at our troubleshooting page and determine that your motherboard is faulty, follow this guide to replace your old motherboard with a new one.
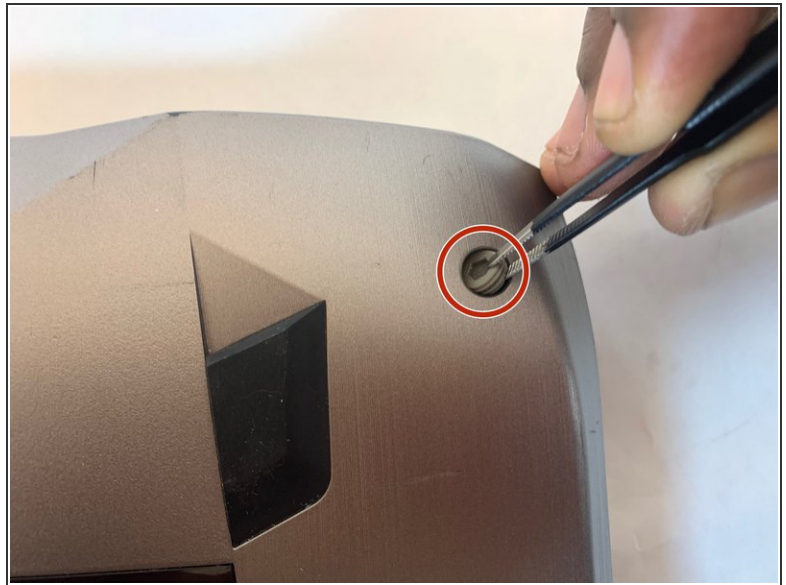
TOOLS:

- Phillips #00 Screwdriver (1)
- iFixit Opening Tools (1)
- Phillips #0 Screwdriver (1)
- Tweezers (1)
- ESD Safe Tweezers Blunt Nose (1)

PARTS:

- ASUS ROG G752V Motherboard (1)

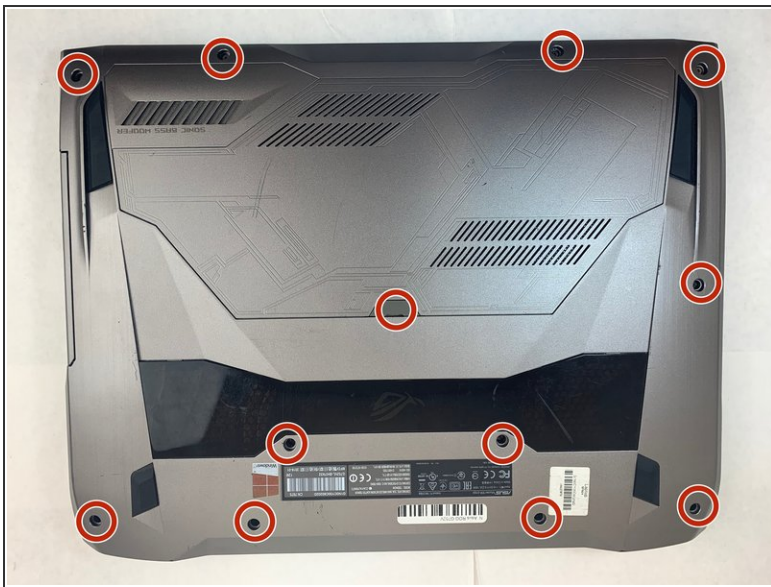This document was generated on 2019-12-25 08:56:43 PM (MST).

Step 1 — Battery

⚠️ Make sure you disconnect the charger before starting this guide.

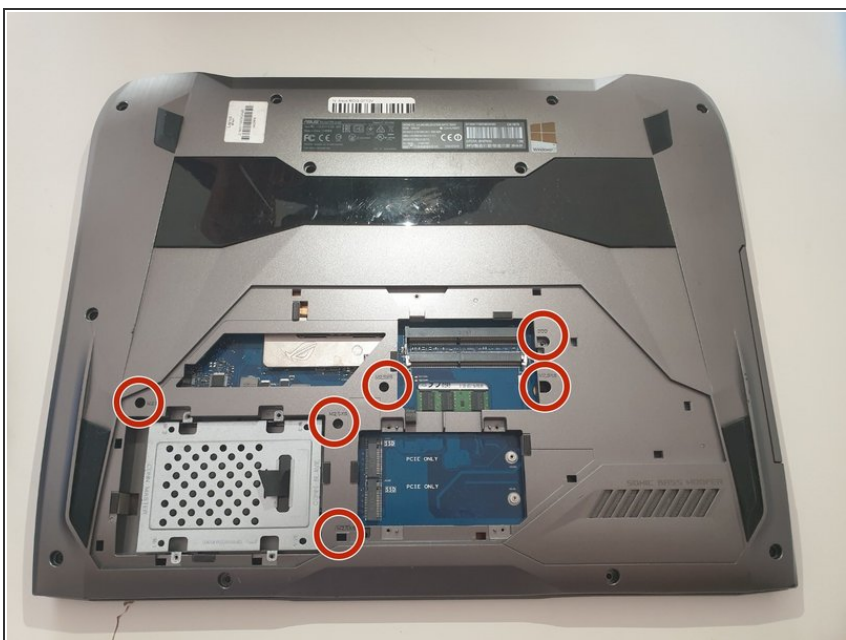● Pick out all 11 rubber plugs off of the back cover with a pair of tweezers.

Step 2

● Using the Phillips #0 screwdriver, unscrew all twelve 5.2 mm screws on the back of the laptop.

ⓘ There is one 5.2 mm screw under the rubber plug in the middle.

This document was generated on 2019-12-25 08:56:43 PM (MST).
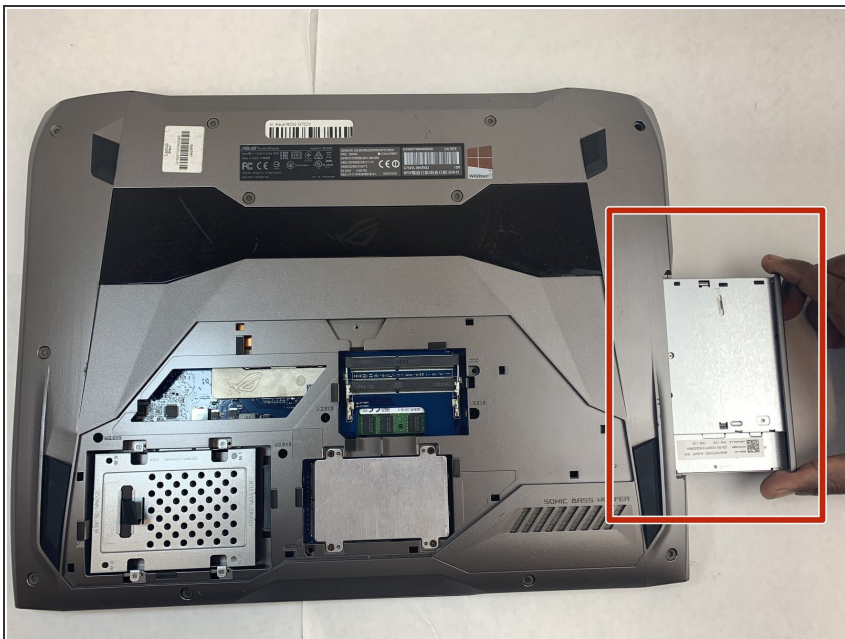
Step 3

- Pull up the rubber seal and the service cover will come off.

Step 4

- Using the Phillips #00 screwdriver, remove the six 5.2 mm screws under the service cover.

This document was generated on 2019-12-25 08:56:43 PM (MST).
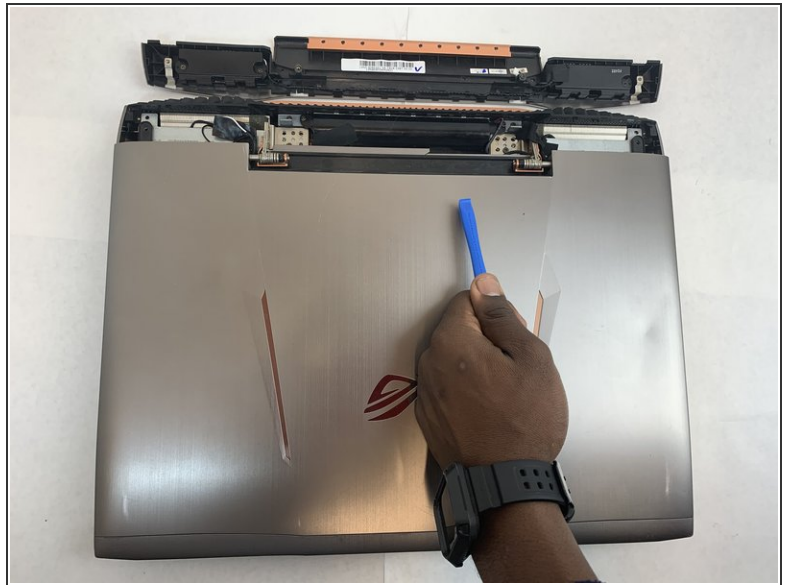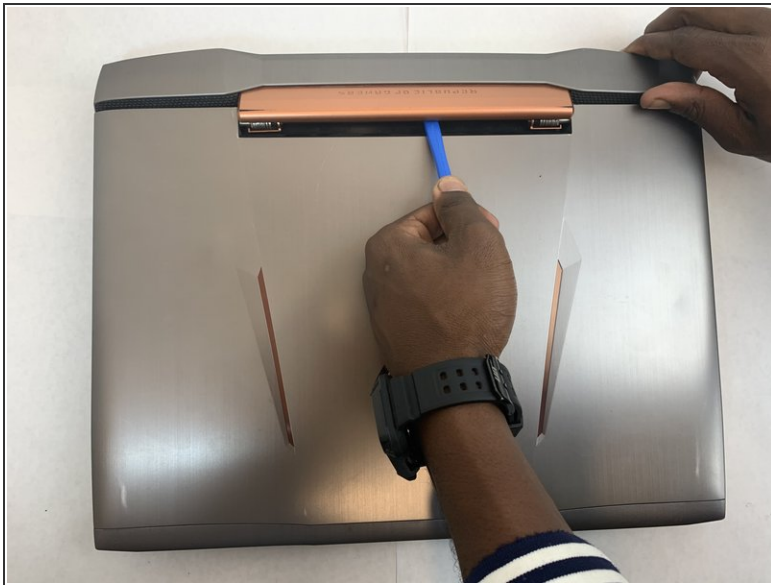
Step 5

- Using your hands, pull the optical drive out.

Step 6
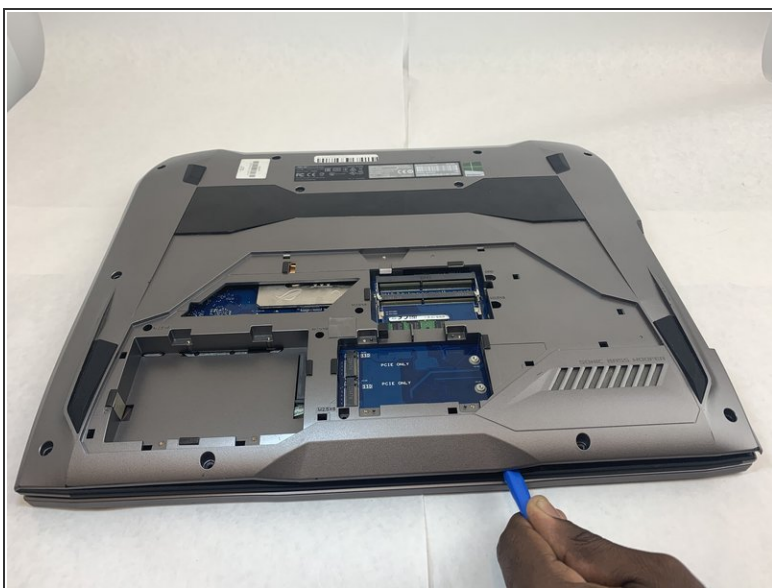
- Use the iFixit Opening Tool to pry apart the back panel from the main body of the laptop.
  - ⓘ Start from the front side of the laptop and then continue to the side for easier access.
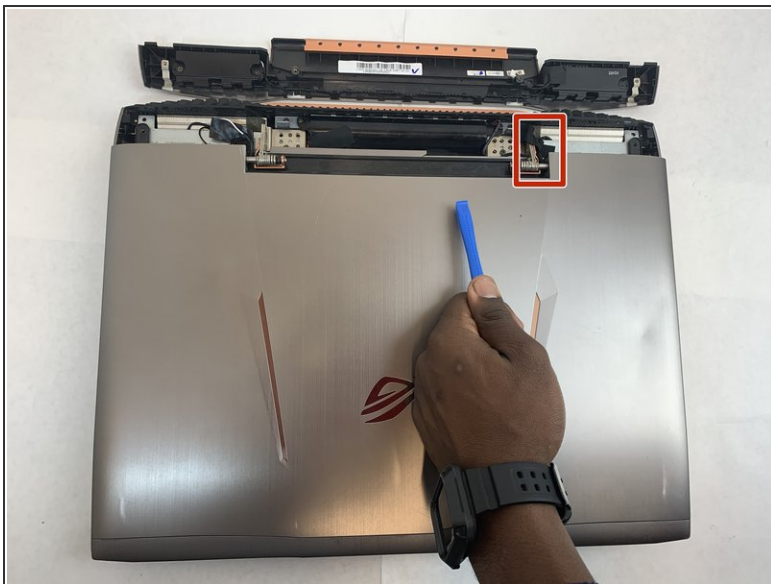
This document was generated on 2019-12-25 08:56:43 PM (MST).

© iFixit — CC BY-NC-SA

www.iFixit.com

Page 5 of 17

Step 7

- Remove the hinge on the back of the laptop cover using the iFixit Opening Tool. The piece should pop off.
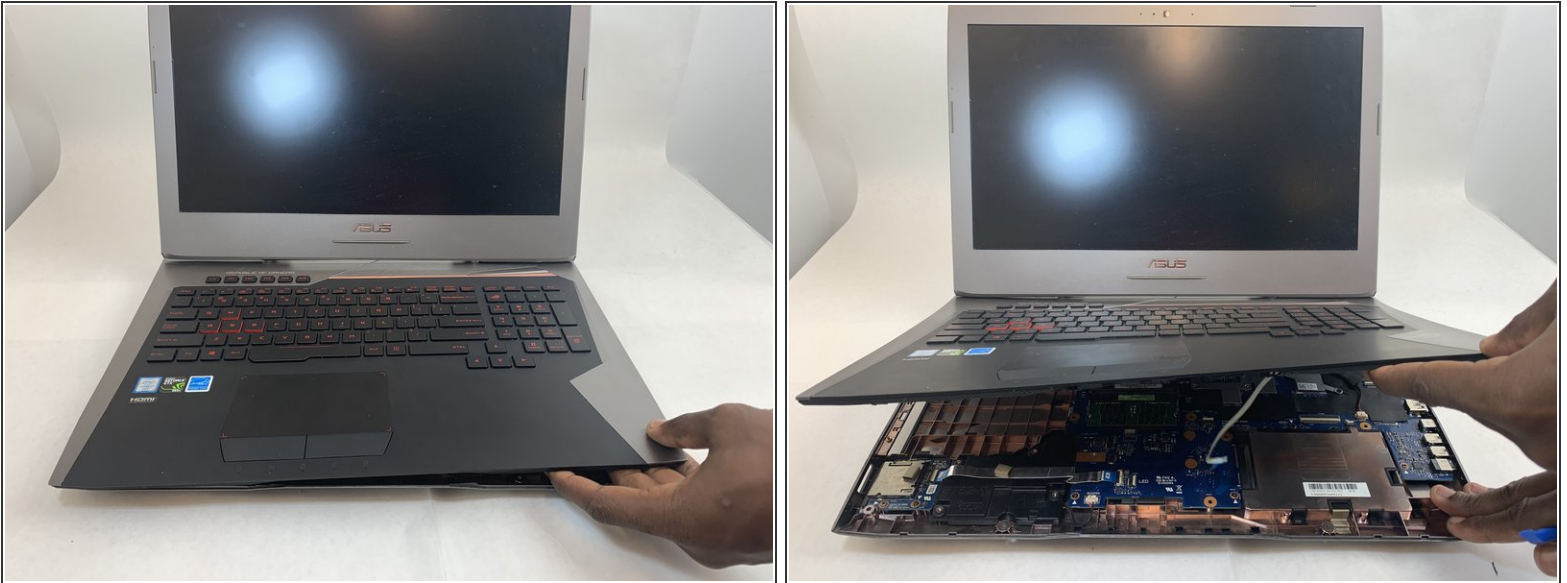
  ⚠️ Be gentle with the cover because there is a speaker wire attached to it.

Step 8

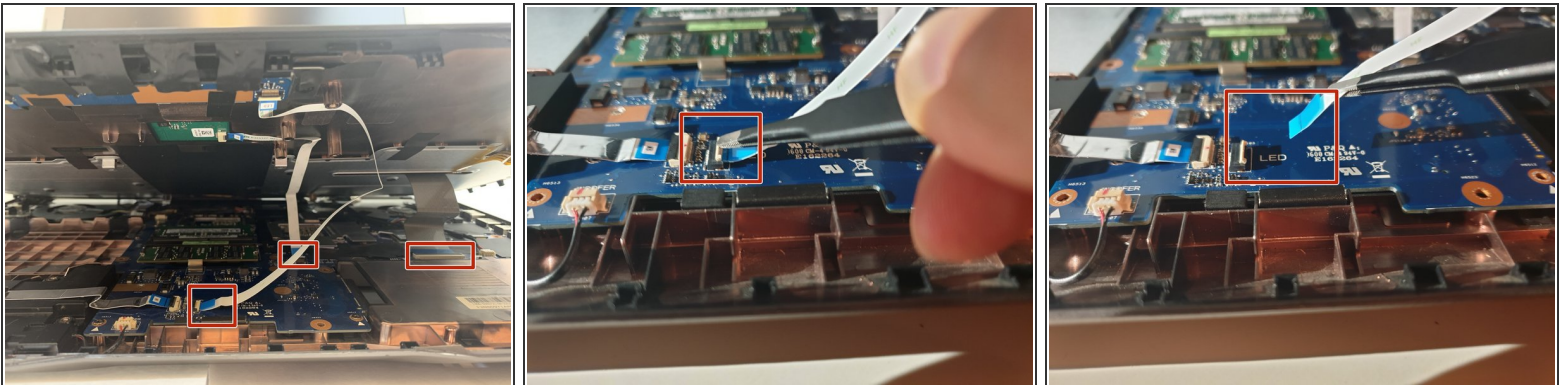

- Disconnect the speaker wire.

Step 9

- Slowly pull out the keyboard while lifting it about an inch.

- ⚠ There are cables attached to the keyboard and motherboard. DO NOT lift it more than 2 inches above the laptop.

Step 10

- Using an ESD safe tool, detach all 3 ribbon cables. To do so, lift up the cable up and out.
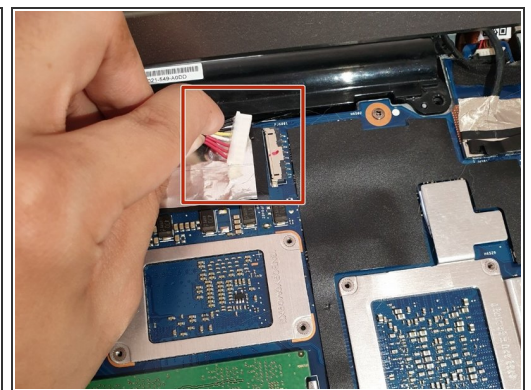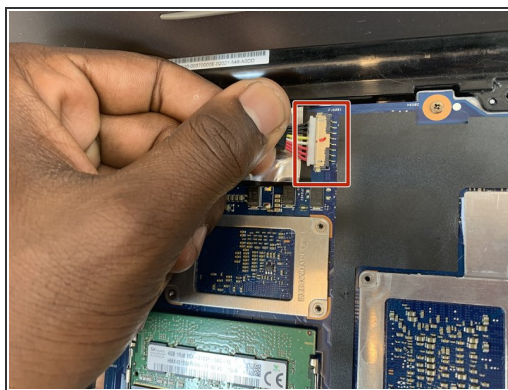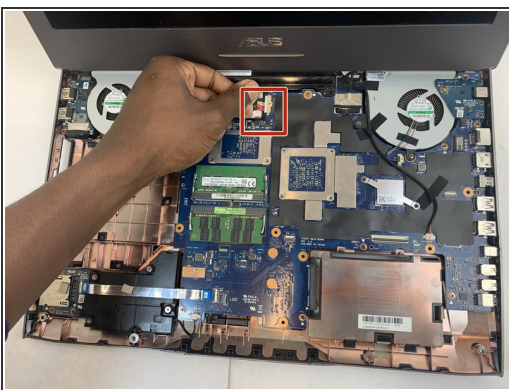
Step 11

- Once the cables are detached, lift the keyboard about 2 inches up and remove it from the rest of the body.
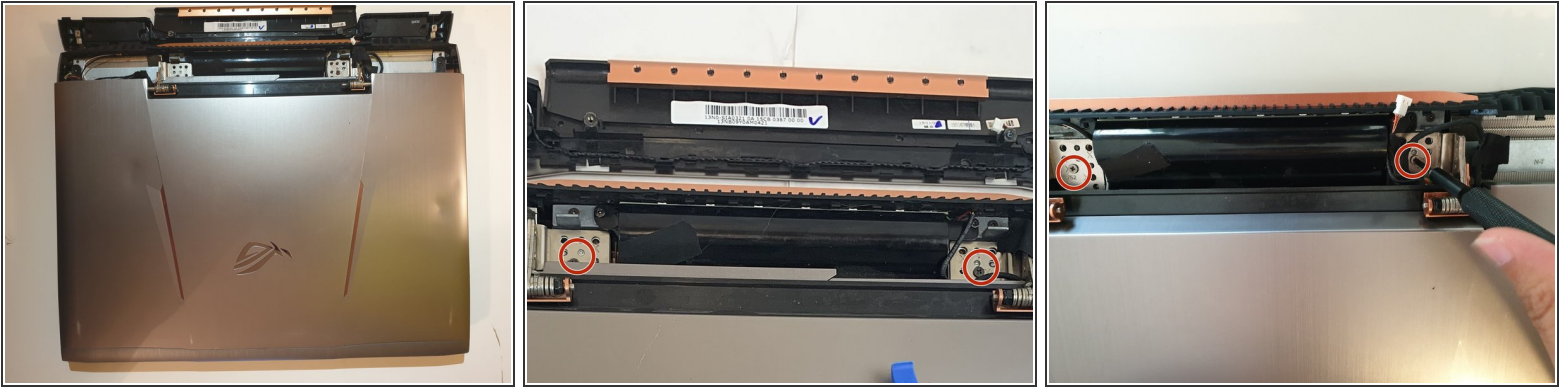
  ⚠️ Make sure that the screen is open like the photo. This will ensure that none your laptop components will not be bent.
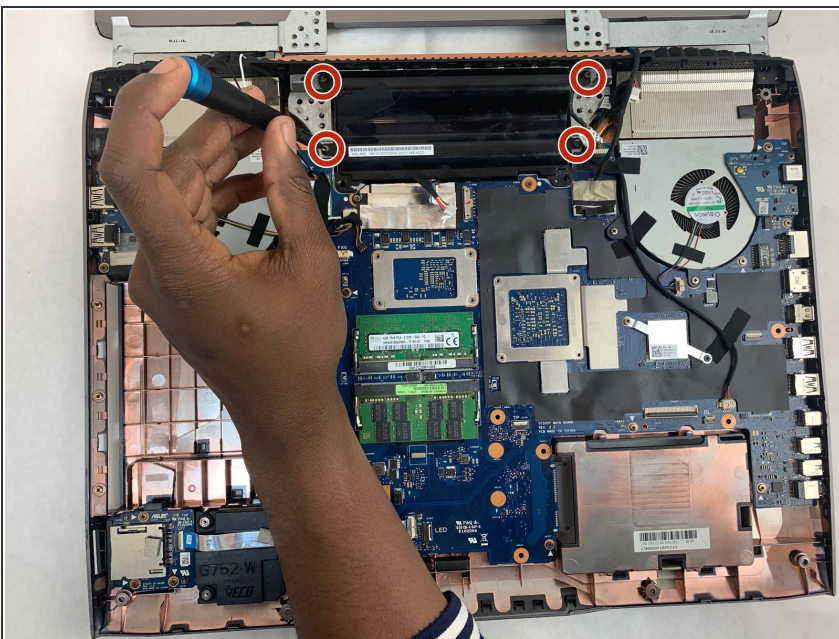
Step 12

- The battery wire is attached to the mainboard. Wiggle it left and right until it detaches.
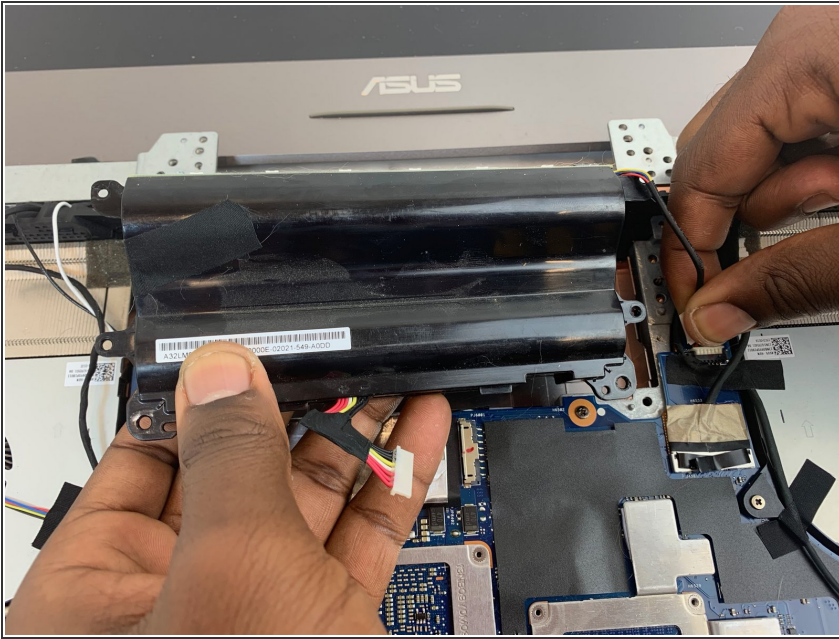
Step 13

- Remove two 5.8 mm screws holding the screen and the laptop located at the hinge.

  ⚠️ This will unlatch the screen from the laptop entirely. Make sure to fold the screen before removing the screws.
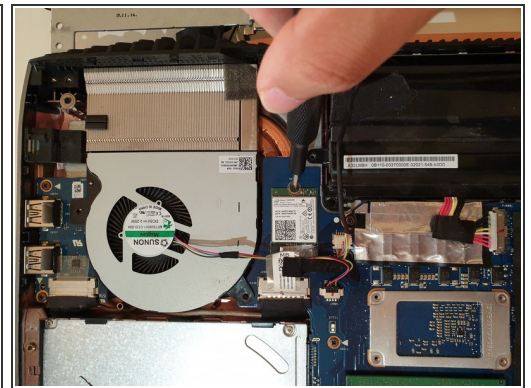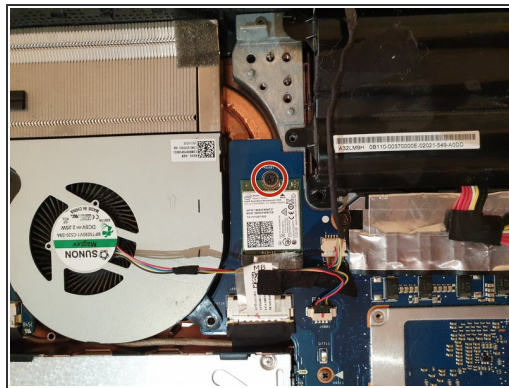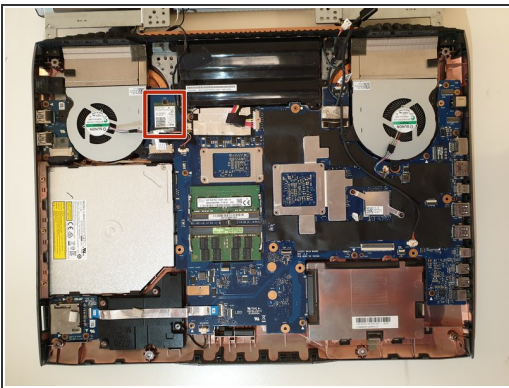
- Remove the screen.

Step 14

- Remove the four 5.8 mm screws securing the battery to the laptop.

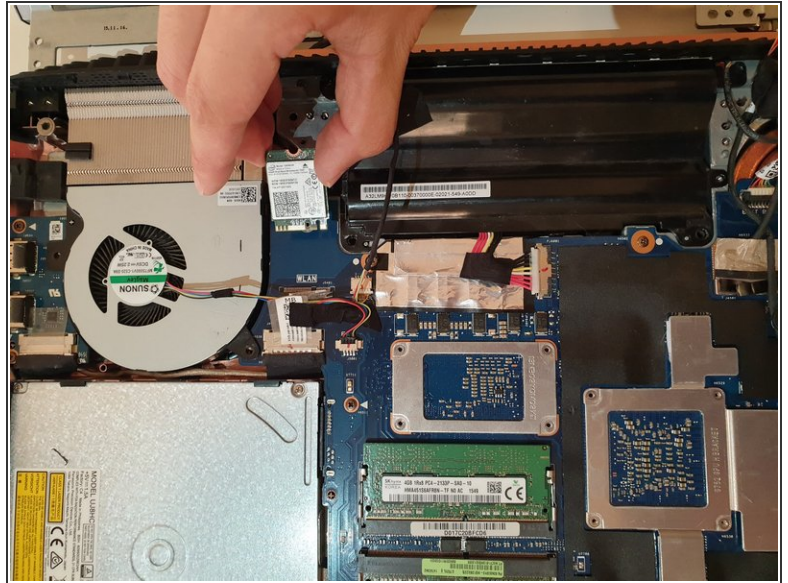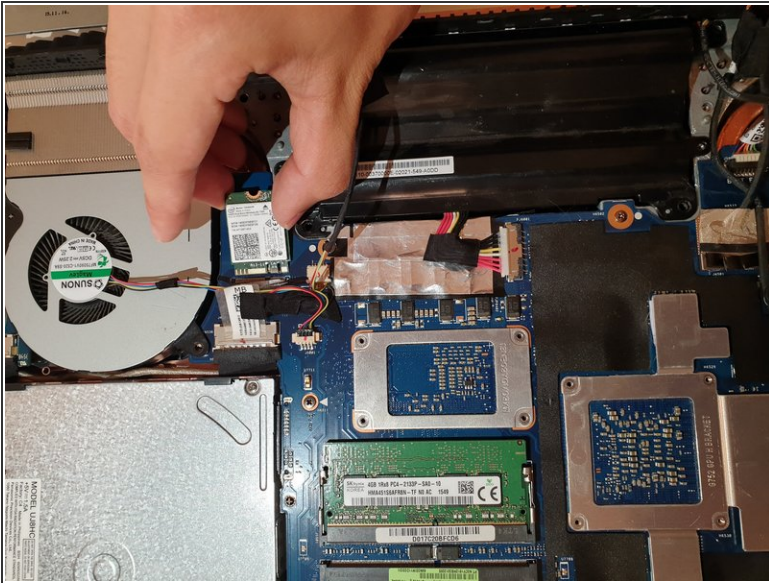This document was generated on 2019-12-25 08:56:43 PM (MST).

Step 15

- Use your hands to remove the battery.

- (i) If you're having trouble, push down on the black plastic on screen side of the battery. This should release the battery.

Step 16 — Wireless Card

- Unscrew one 3mm Philips #00 screw on the wireless card.

This document was generated on 2019-12-25 08:56:43 PM (MST).

© iFixit — CC BY-NC-SA   www.iFixit.com   Page 10 of 17
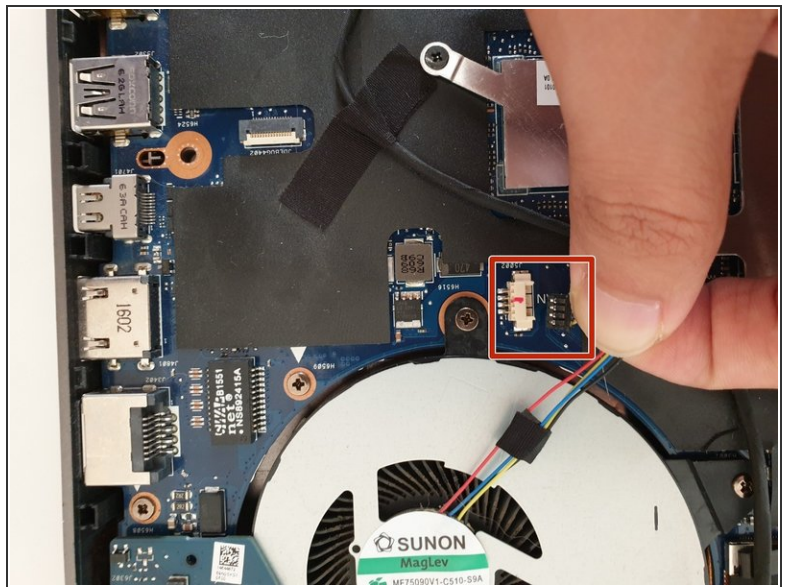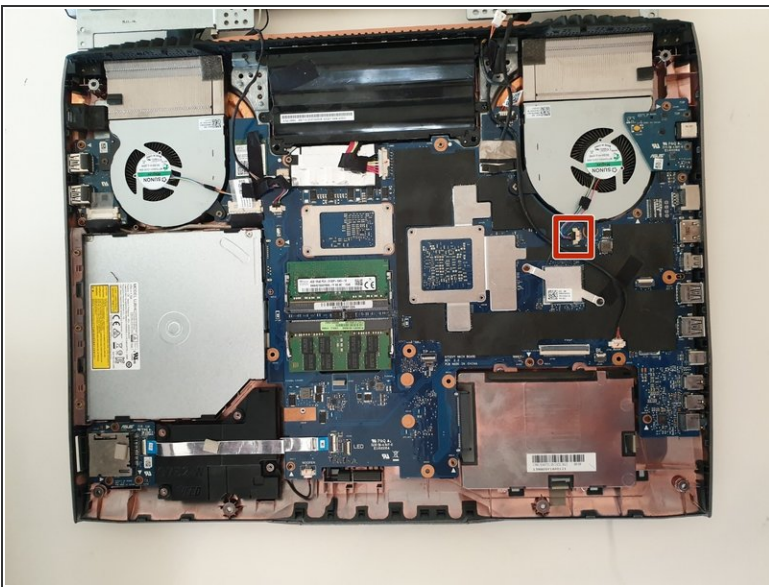
Step 17

- Using your hands, unlatch the wireless card by pulling it out toward the screen.
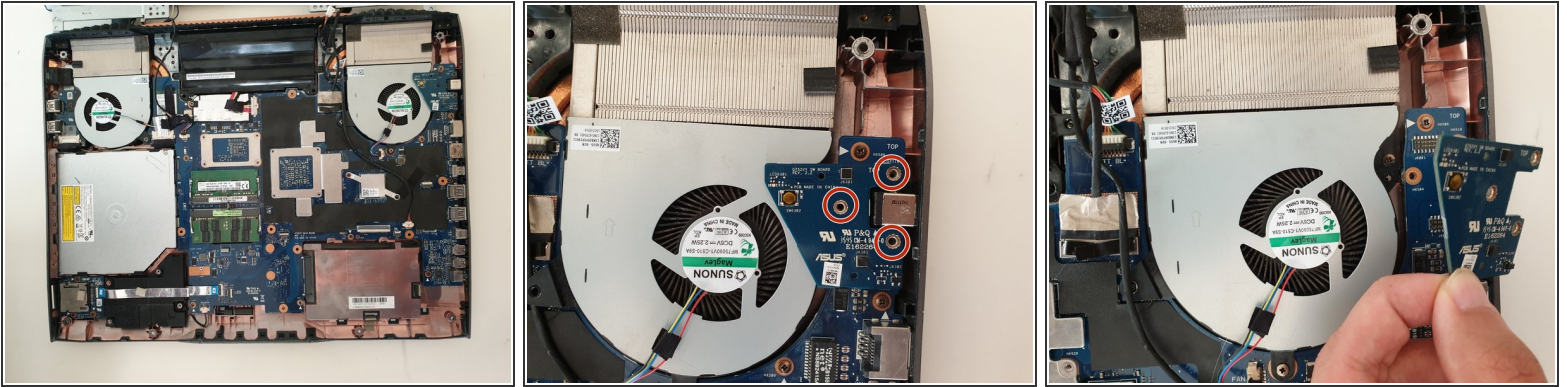
⚠️ Gently wiggle the card and pull it out of the motherboard.
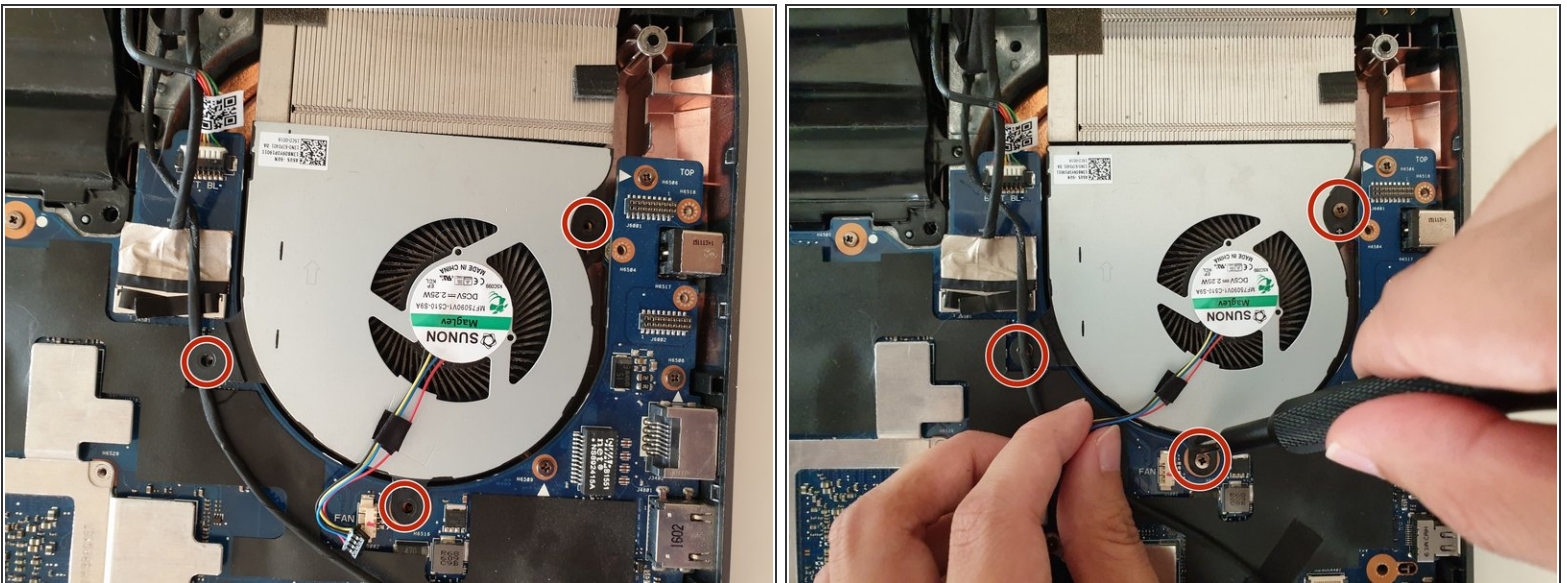
Step 18 — Fan

- Unplug the fan-motherboard connection cable.

This document was generated on 2019-12-25 08:56:43 PM (MST).

Step 19

- Unscrew and remove the three 5.8mm screws on the small circuit board to the right of the right side fan with a Phillips #00 screwdriver.

- Lift up the small circuit board covering the fan and put it aside.
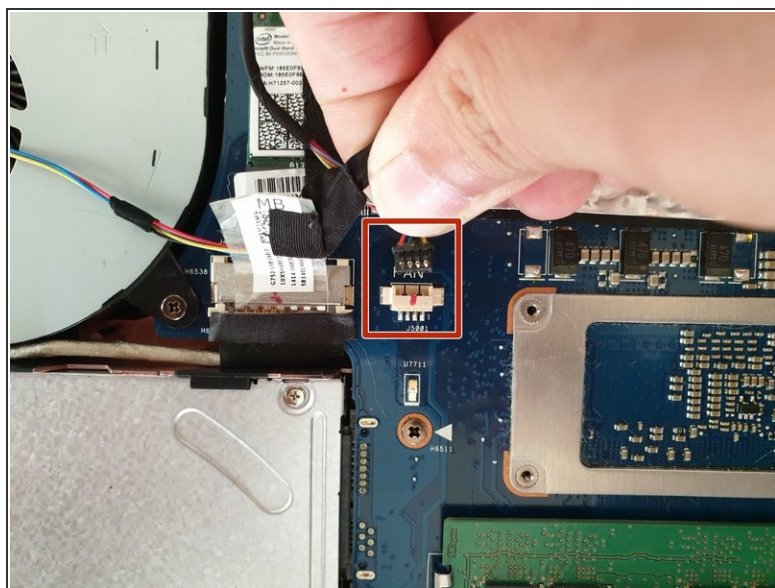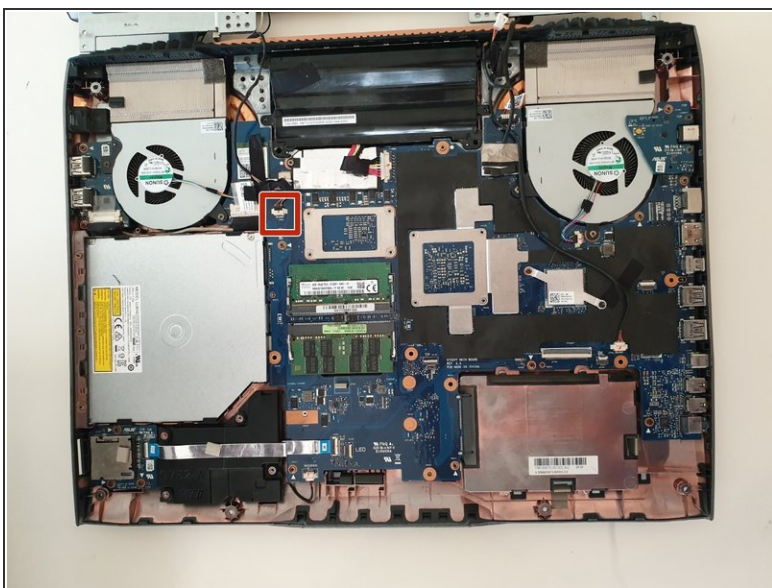
Step 20

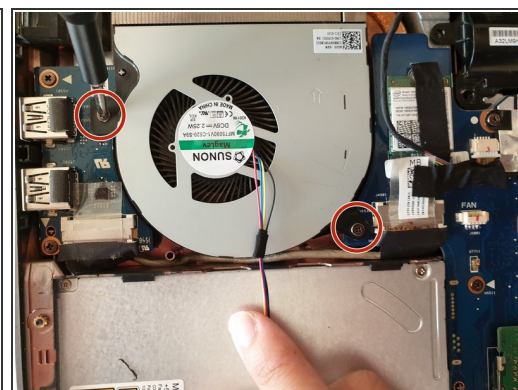- Using a Phillips #00 screwdriver, remove the three 5.2 mm screws that connect the fan to the motherboard.

This document was generated on 2019-12-25 08:56:43 PM (MST).
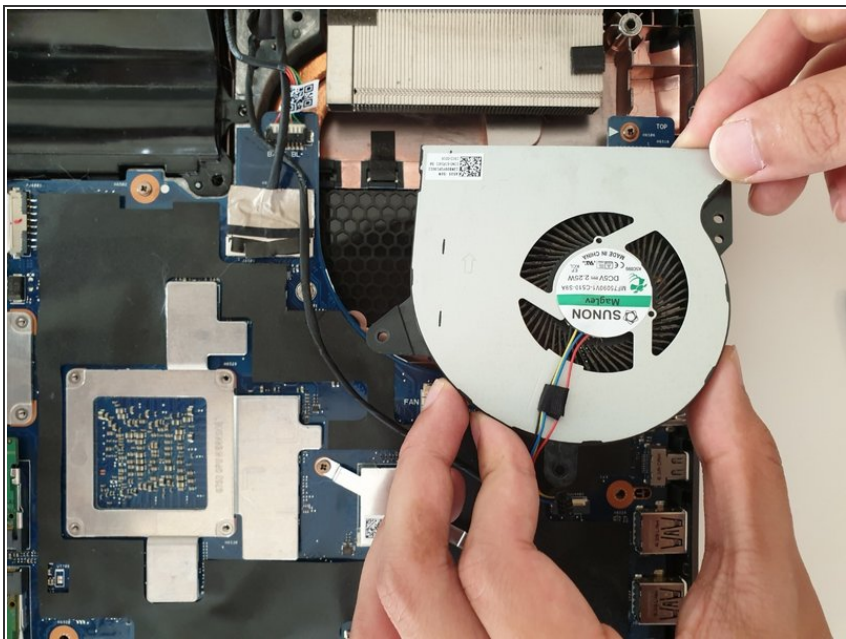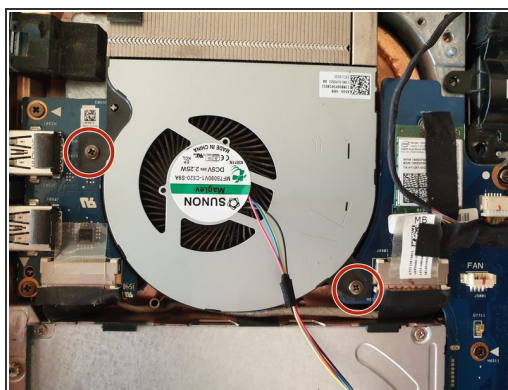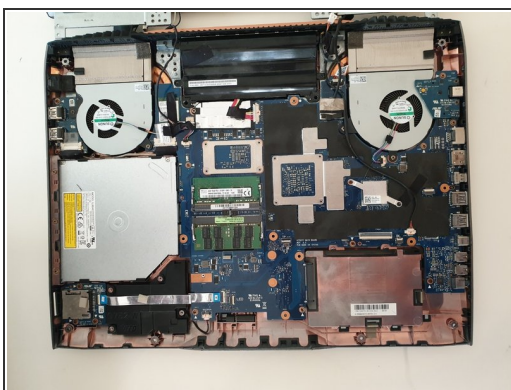
Step 21

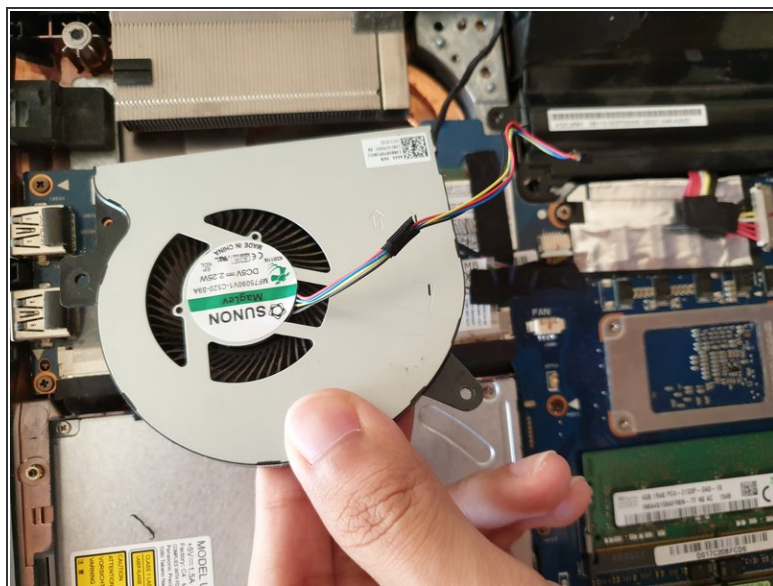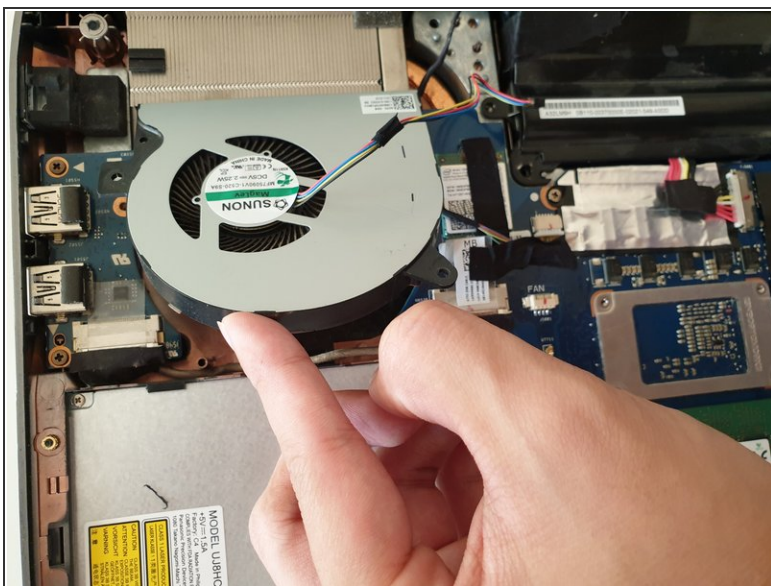- With your hands, slowly and carefully lift up the right side fan.

Step 22

- Carefully unlatch the left side fan cable from the motherboard.

This document was generated on 2019-12-25 08:56:43 PM (MST).

© iFixit — CC BY-NC-SA
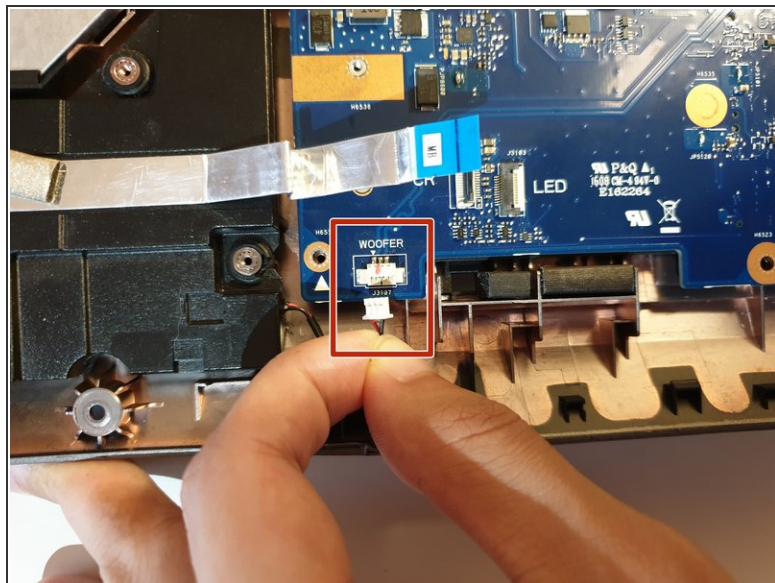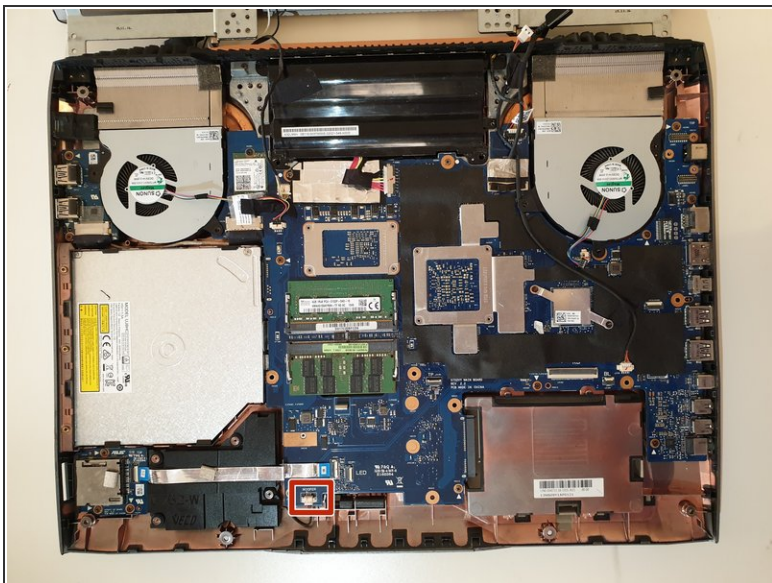
www.iFixit.com

Page 13 of 17

Step 23

- Using a Phillips #00 screwdriver, remove the two 5.8mm screws that connect the left fan to the motherboard.
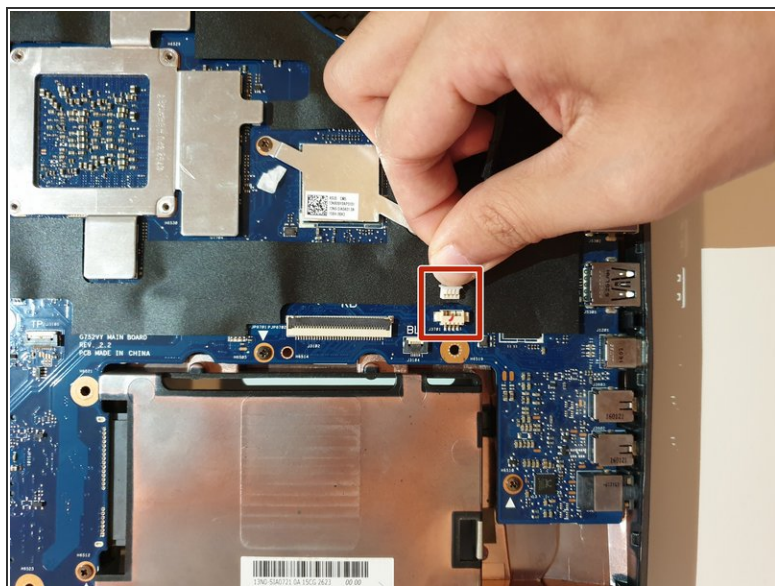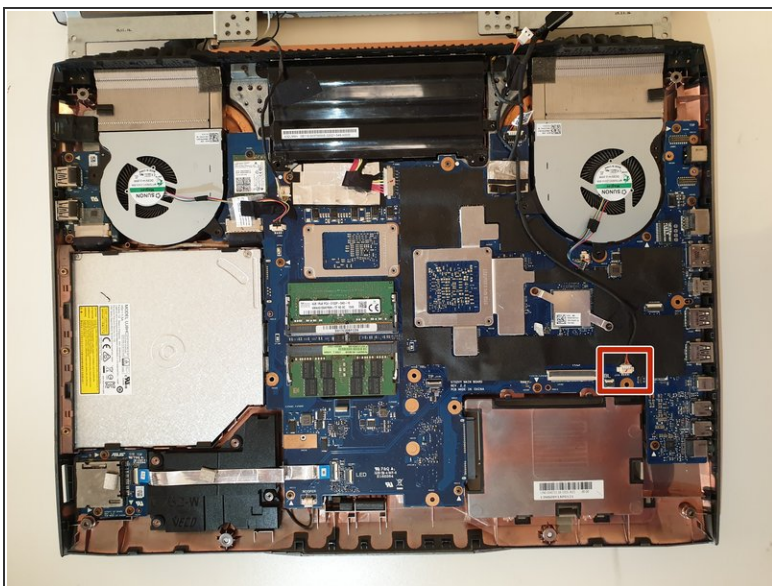
Step 24

- With your hands, carefully lift the left fan and unlatch the fan from the motherboard.
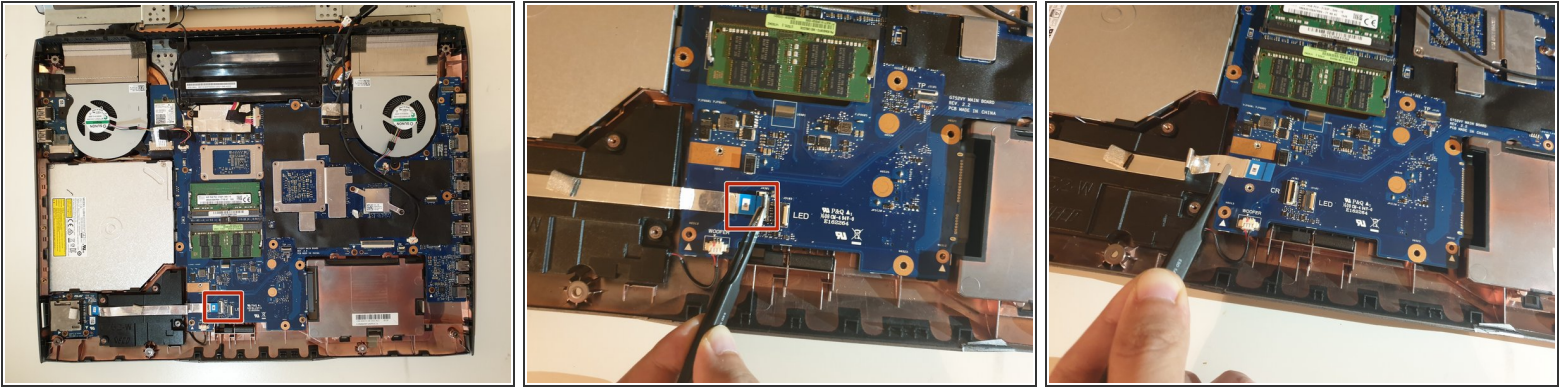
Step 25 — Motherboard
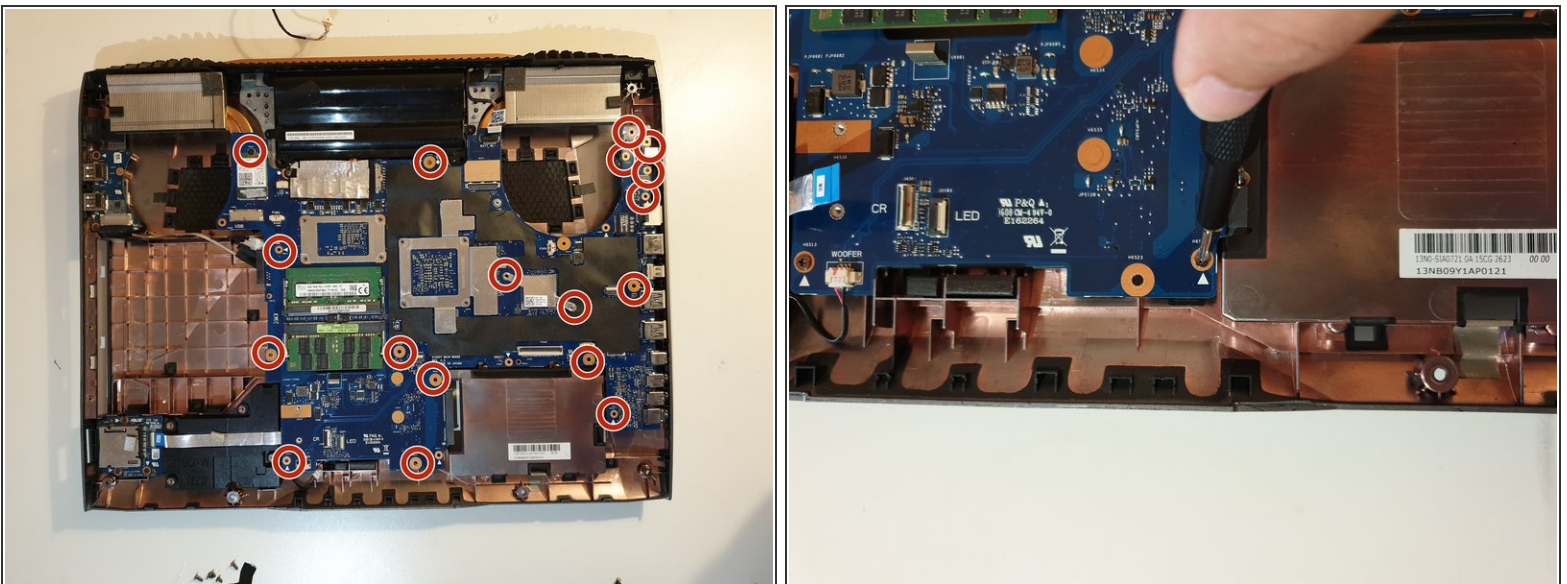

- Using your hand, detach the Woofer Cable.

Step 26

- Using your hand, detach the Speaker cable.

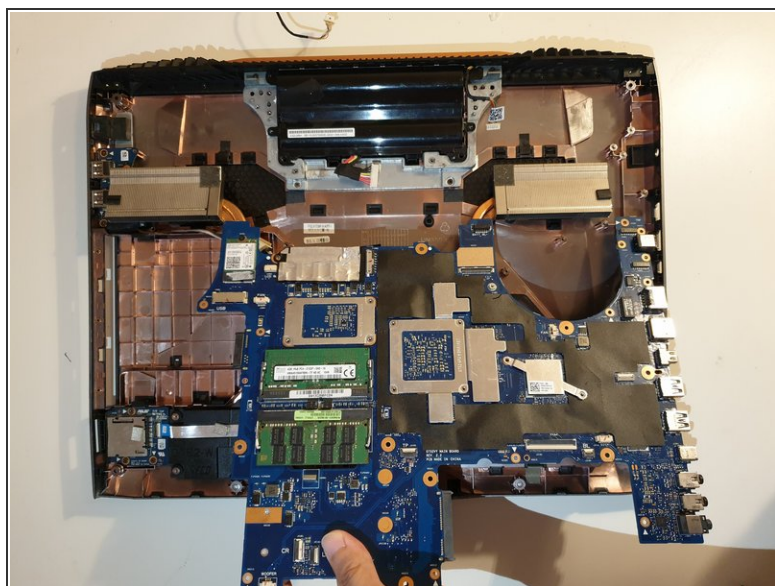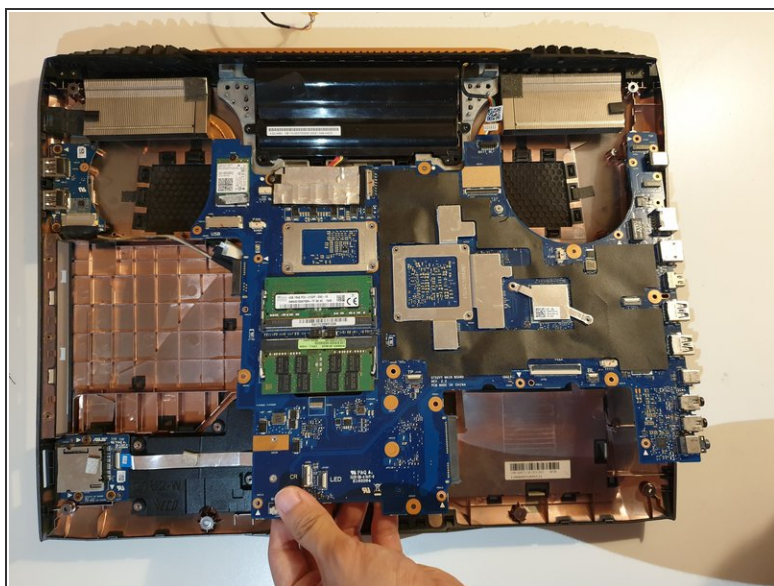This document was generated on 2019-12-25 08:56:43 PM (MST).

Step 27

- Using an ESD safe tool, first unlatch the ZIF connector clasp and then pull the cord disconnecting the SD card reader.

Step 28

- Unscrew eighteen 5.8 mm screws from the motherboard with a Phillips #00 screwdriver.

Step 29

- Using your hands, unlatch the motherboard by lifting it up directly above the laptop.

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

This document was generated on 2019-12-25 08:56:43 PM (MST).

© iFixit — CC BY-NC-SA　　　　　　　　　　　　　www.iFixit.com　　　　　　　　　　　　　Page 17 of 17