Asus Q302UA-BHI5T20 Motherboard Replacement
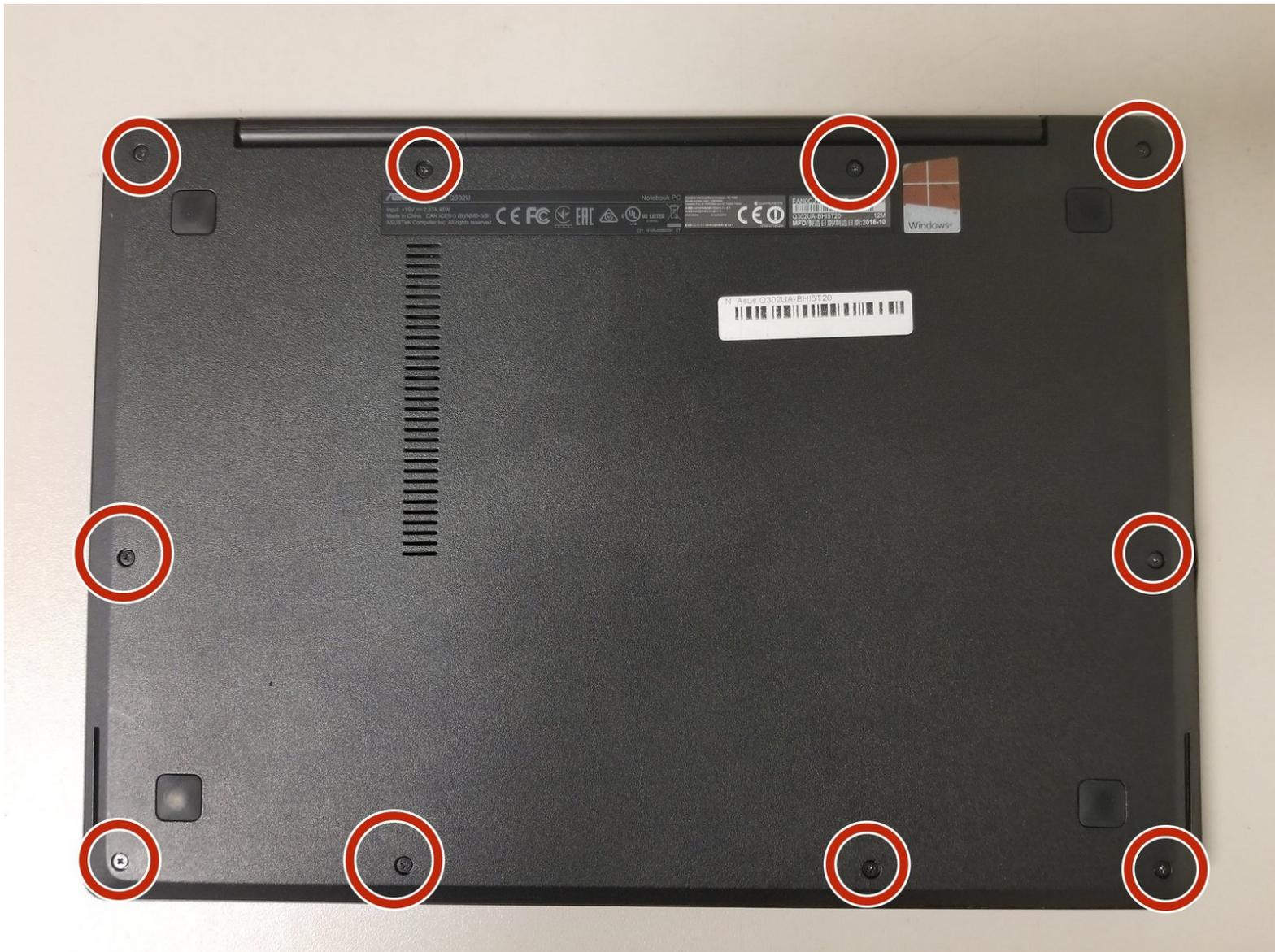
It will replace a faulty motherboard.

Written By: Dymon Alfred

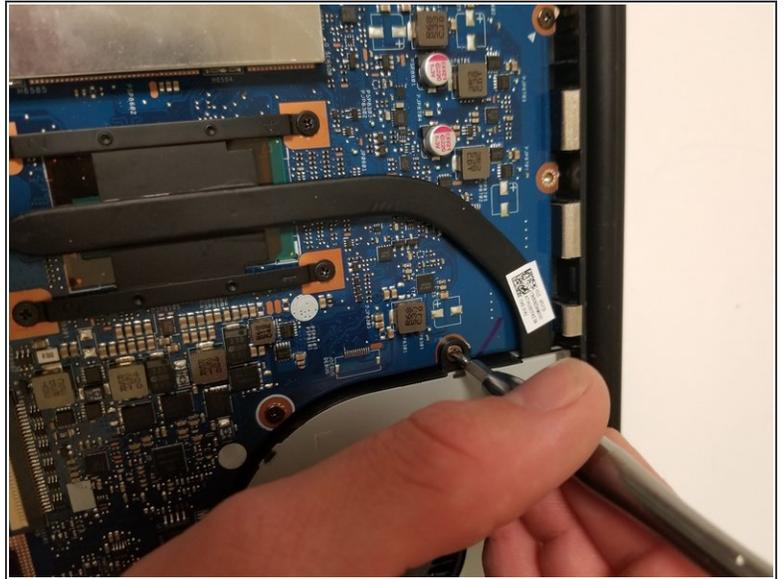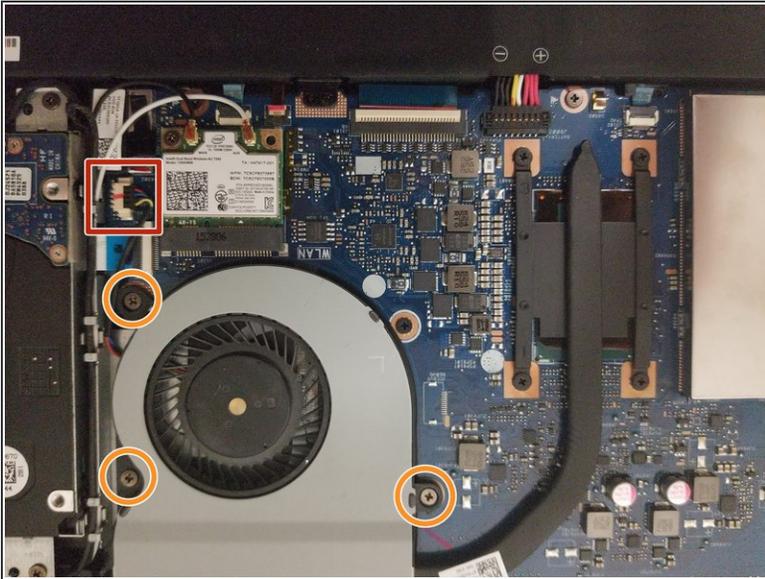This document was generated on 2019-10-13 04:42:04 AM (MST).

🔧 TOOLS:

- Phillips #0 Screwdriver (1)

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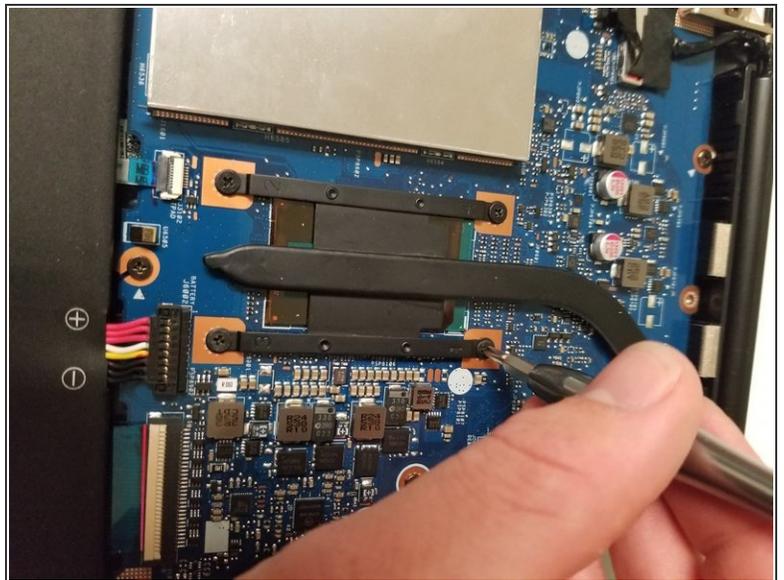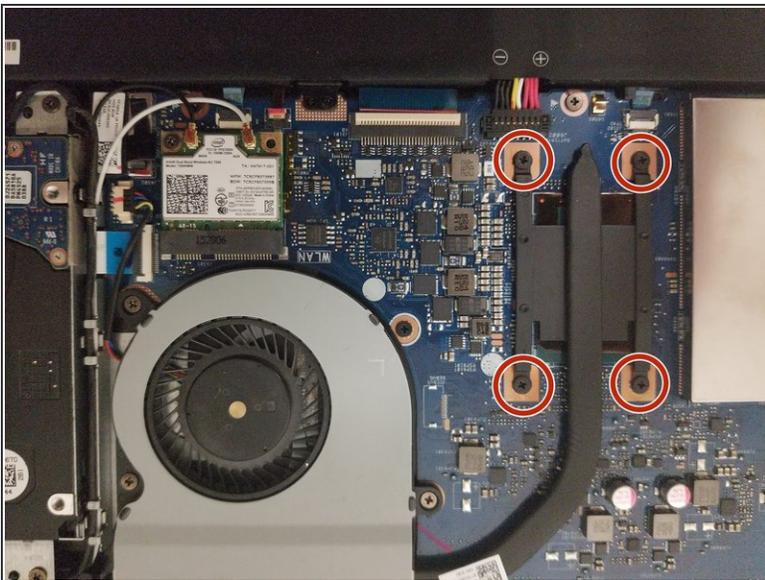
Step 1 — Motherboard

- Place laptop upside down.

- Use a Phillips #0 screwdriver to remove the ten 1 cm case screws from the bottom of the laptop.
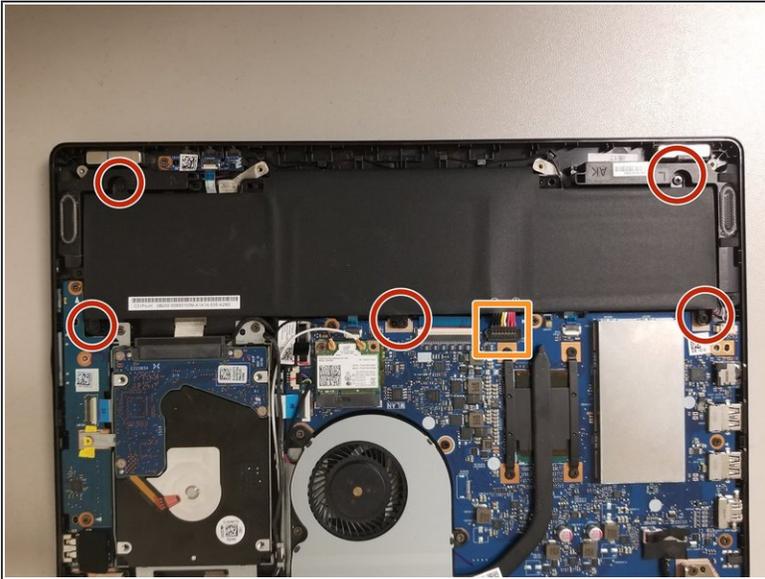
Step 2

- Disconnect the CPU fan by carefully pulling out the small black connector(plug) located in the corner (redbox)

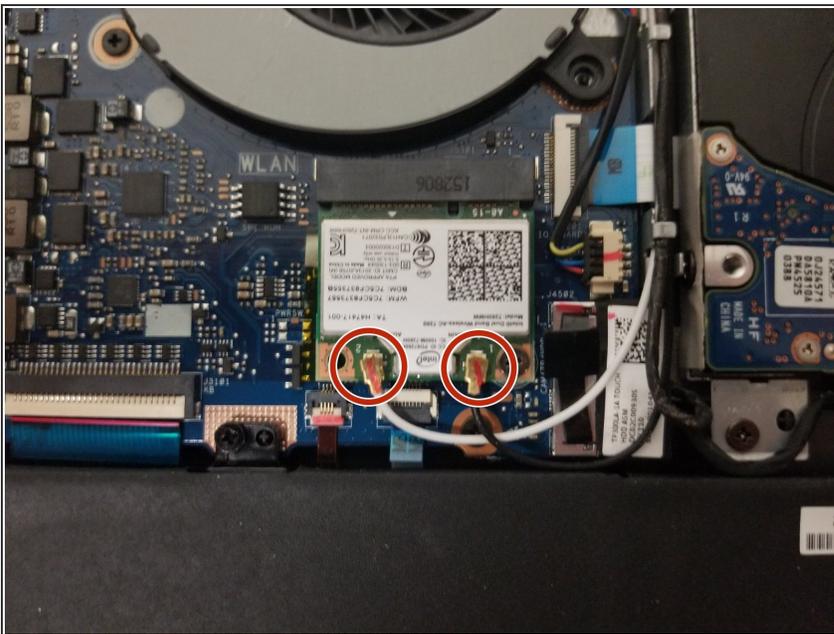- Use a Phillips #0 screwdriver to remove the three 4 mm screws that secure the fan.

Step 3

- Use a Phillips #0 screwdriver to remove the four 3 mm screws that secure the heat sink.

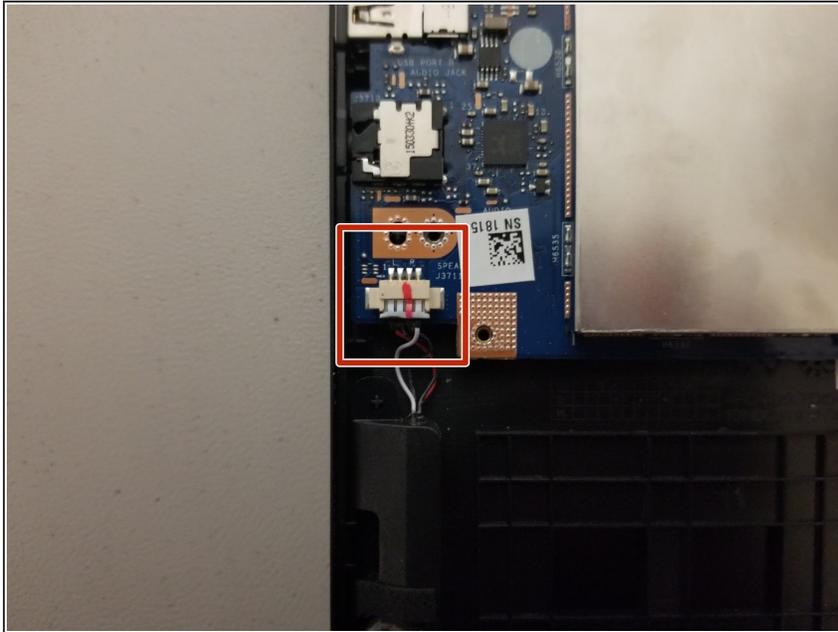This document was generated on 2019-10-13 04:42:04 AM (MST).

Step 4

- Use a Phillips #0 screwdriver to unscrew the five 5 mm screws that secure the battery.

- Disconnect the battery's bundled cable connector and lift the battery up and out of the laptop.
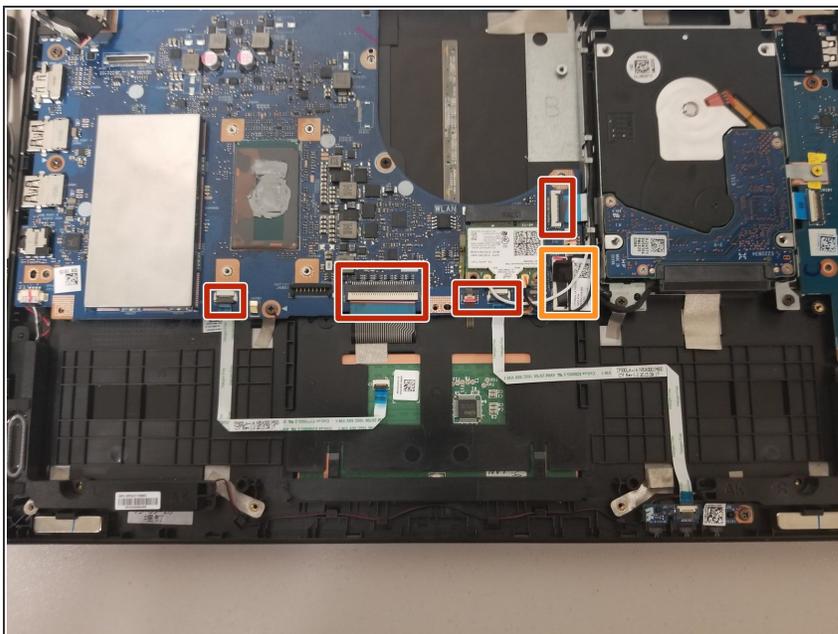
Step 5

- Disconnect the WiFi antennae by gently pulling up at each antenna's connector. Use a spudger to help lift each antenna free from the WiFi card if needed.
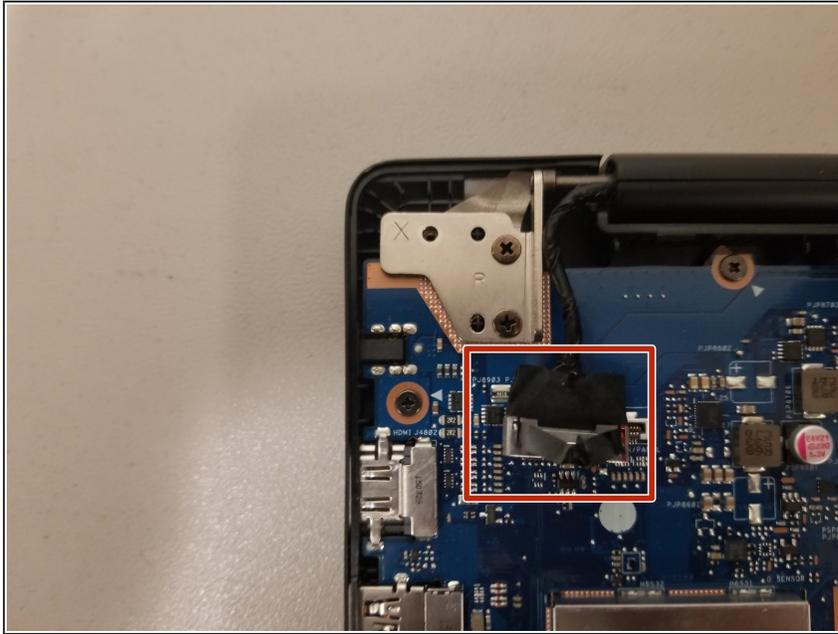
Step 6

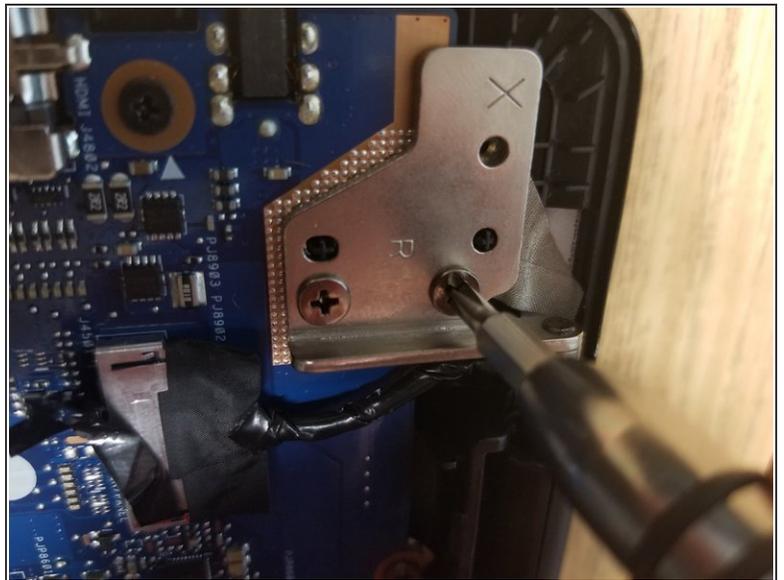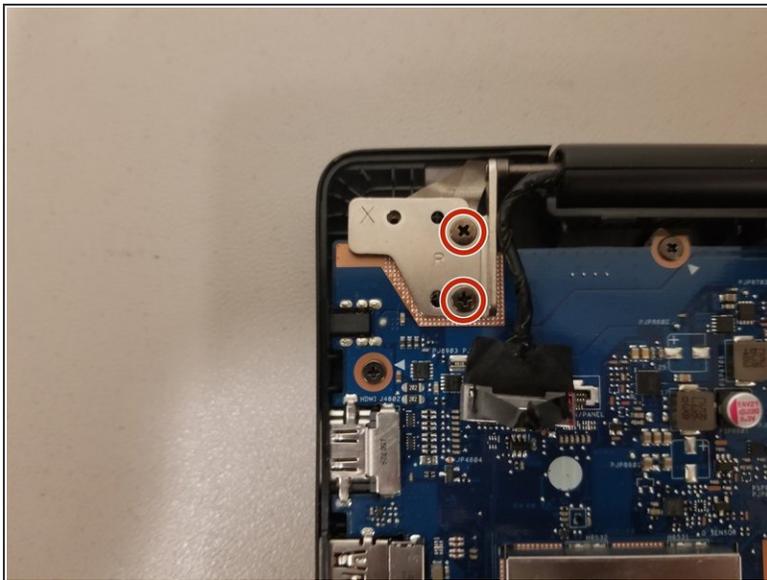- Speaker Data Connector.

- Gently pry out.

Step 7

- Pull up the ZIF connector tabs and then pull out the ribbon cables.

- For the orange boxes, you pull the little black tab up to remove connector.

  - (i) A little extra force might need to be used for this step.

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Step 8

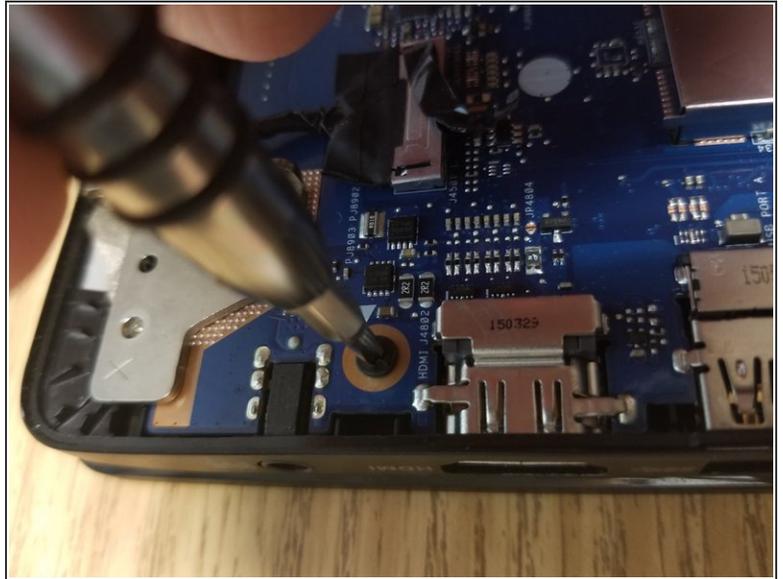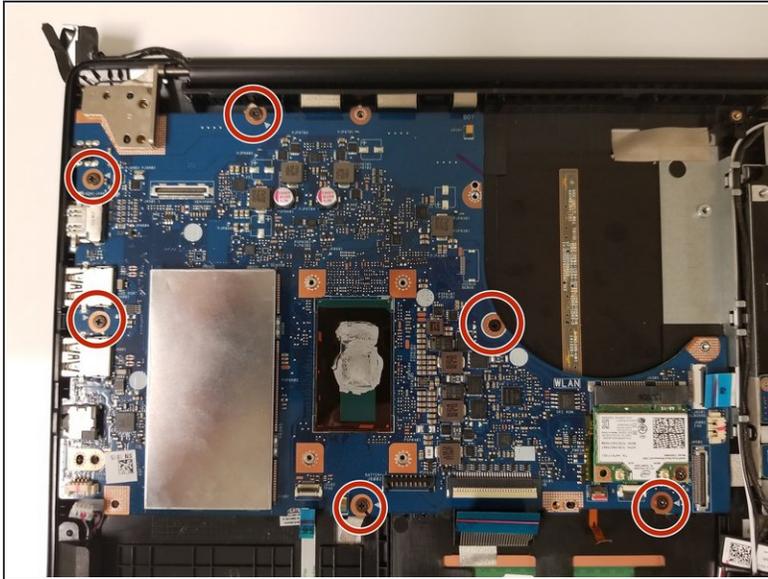- Display Connector.
  - Pull tab, and pull up.

Step 9

- Unscrew the two 6 mm screws.

- After removing the screws, lift the hinge up slightly to give clearance to the motherboard.

- ⓘ Some force is required to lift the metal hinge support up. To lift, pull up and rotate as you're pulling up.

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Step 10

- Remove the six 4 mm screws.

- Gently pick up the motherboard without applying any unnecessary force.

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