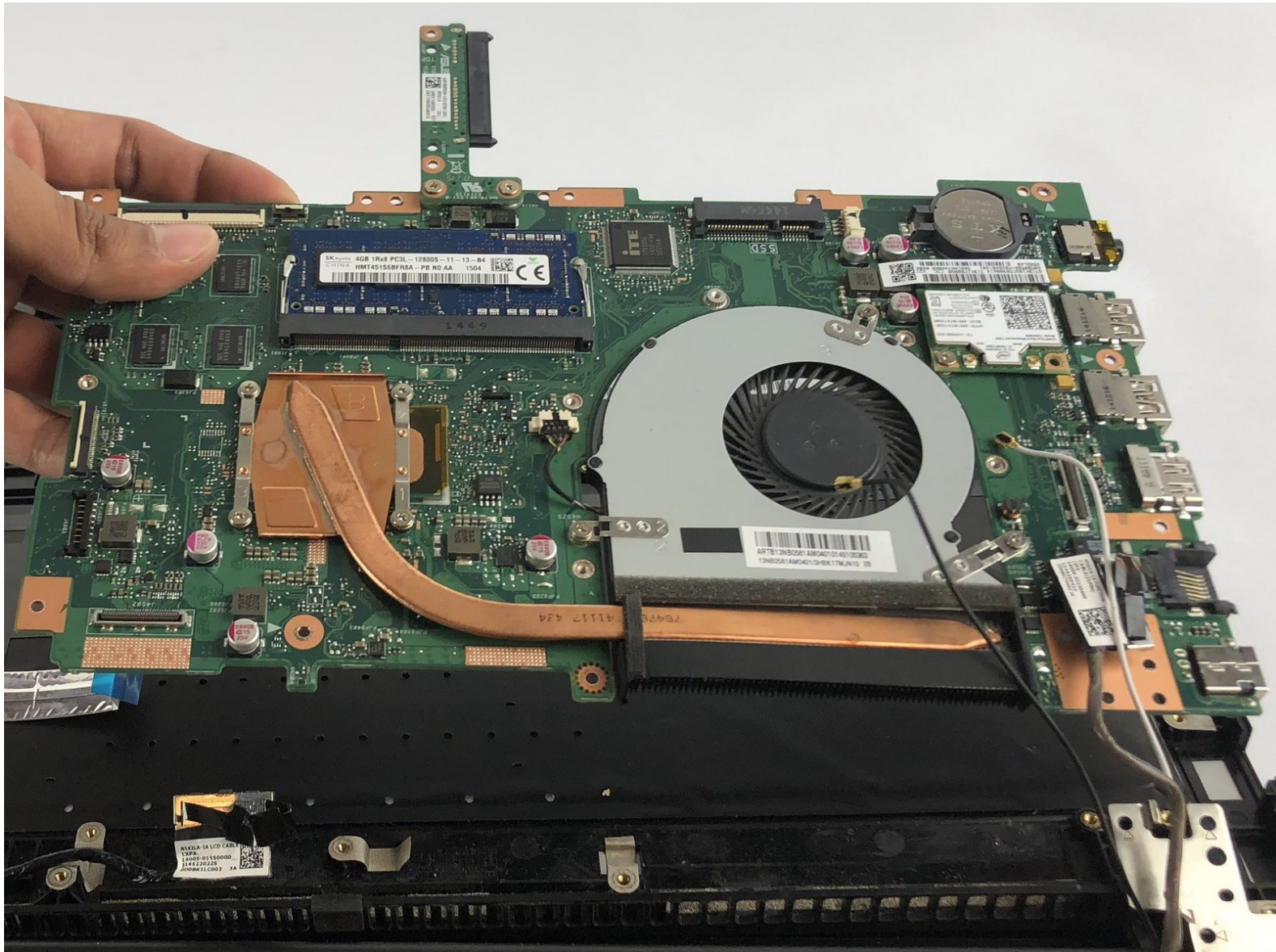# Asus Q502LA-BSI5T14 Motherboard Replacement

Replace a bad or malfunctioning motherboard.

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INTRODUCTION

The motherboard is where all of the communication happens in your laptop. Because the motherboard is such an integral part, this guide will show you how to replace it without damage.

🔧 TOOLS:

- iFixit Opening Tools (1)
- Phillips #1 Screwdriver (1)
- Spudger (1)

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Step 1 — Battery

- ⓘ Ensure your device is powered off before starting.

- ● Flip the laptop over and remove the ten 10 mm Phillips #1 screws securing the back panel.

Step 2

- ● Carefully insert a plastic opening tool under one corner of the back panel.

- ● Slide the tool along the seam to gently pry the panel up and away from the device.

Step 3

- The battery is the large L-shaped block.

- Remove the five 5.5 mm Phillips #1 screws securing it.

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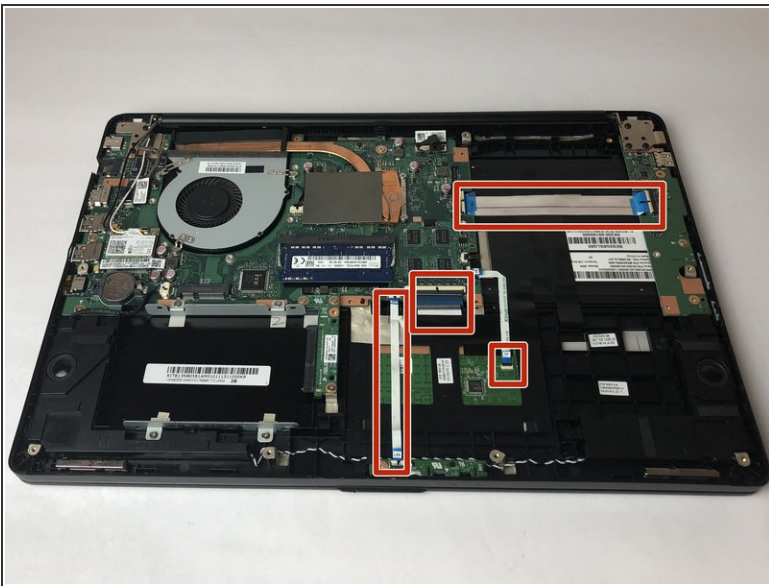
Step 4

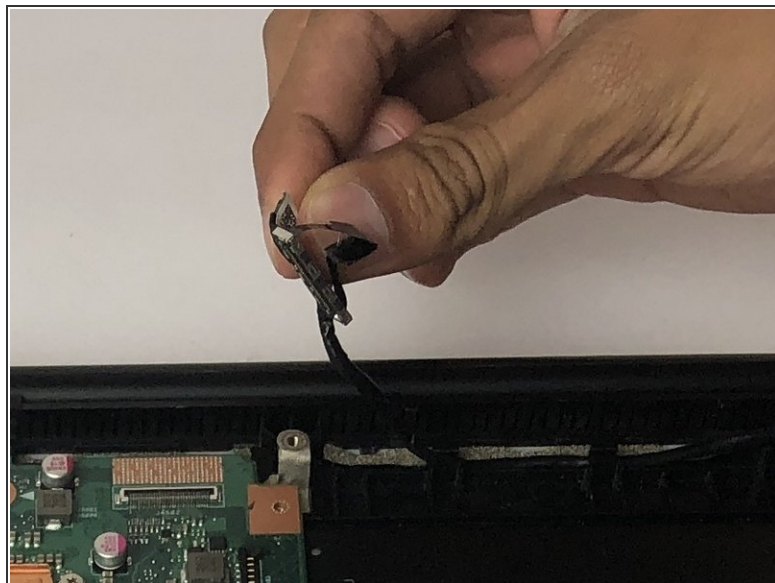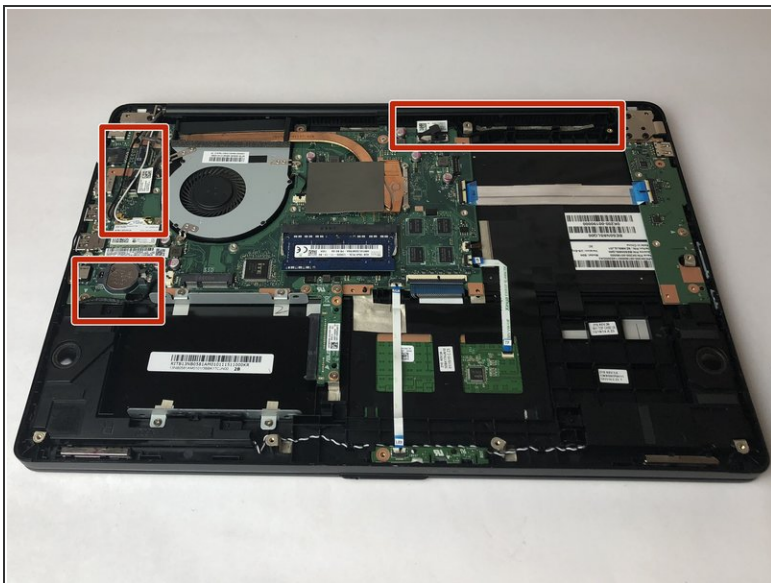- Using a plastic opening tool, lift the battery straight upward to remove it.

⚠️ There are a series of eight small wires connecting the battery to the motherboard. Make sure you gently lift the battery straight up to disconnect these wires and prevent damage.

Step 5 — Motherboard

- Remove the four ribbons connected to the motherboard.

Step 6

- Disconnect the five wires attached to the motherboard by pulling gently. There are three thin wires in the upper left corner.
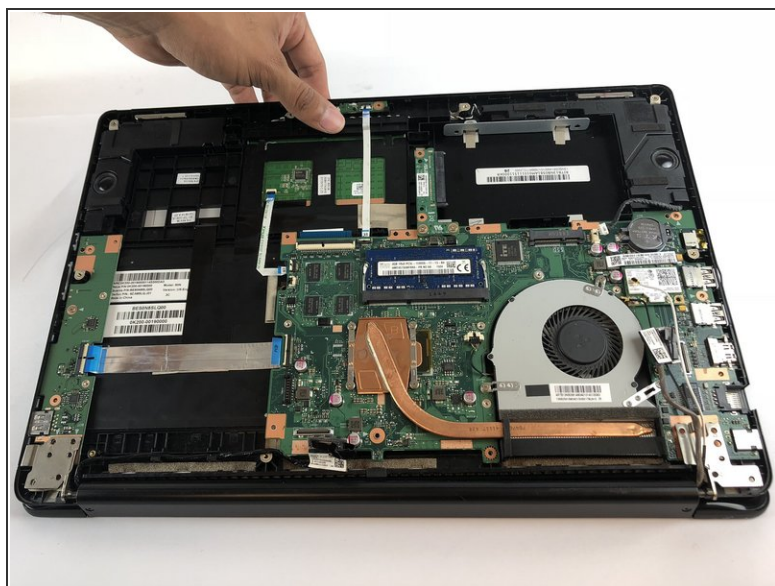
Step 7

- Remove the two 5 mm Phillips #1 screws attaching the stabilizer to the motherboard

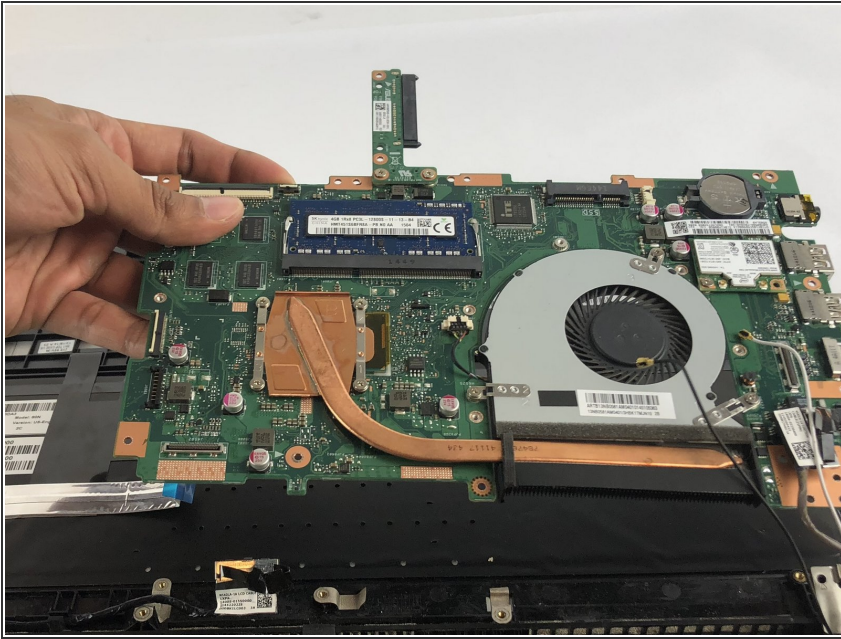This document was generated on 2020-11-20 10:41:56 AM (MST).

Step 8

- Remove the four 5 mm Phillips #1 screws around the perimeter of the motherboard.

Step 9

- Remove the six 5 mm Phillips #1 screws securing the silver plates to the motherboard.

- Open the laptop approximately 1/2" to loosen the hinge and release the motherboard.

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Step 10

- Gently lift the motherboard out and away from the laptop.

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