Asus Q551L Repair Motherboard Replacement
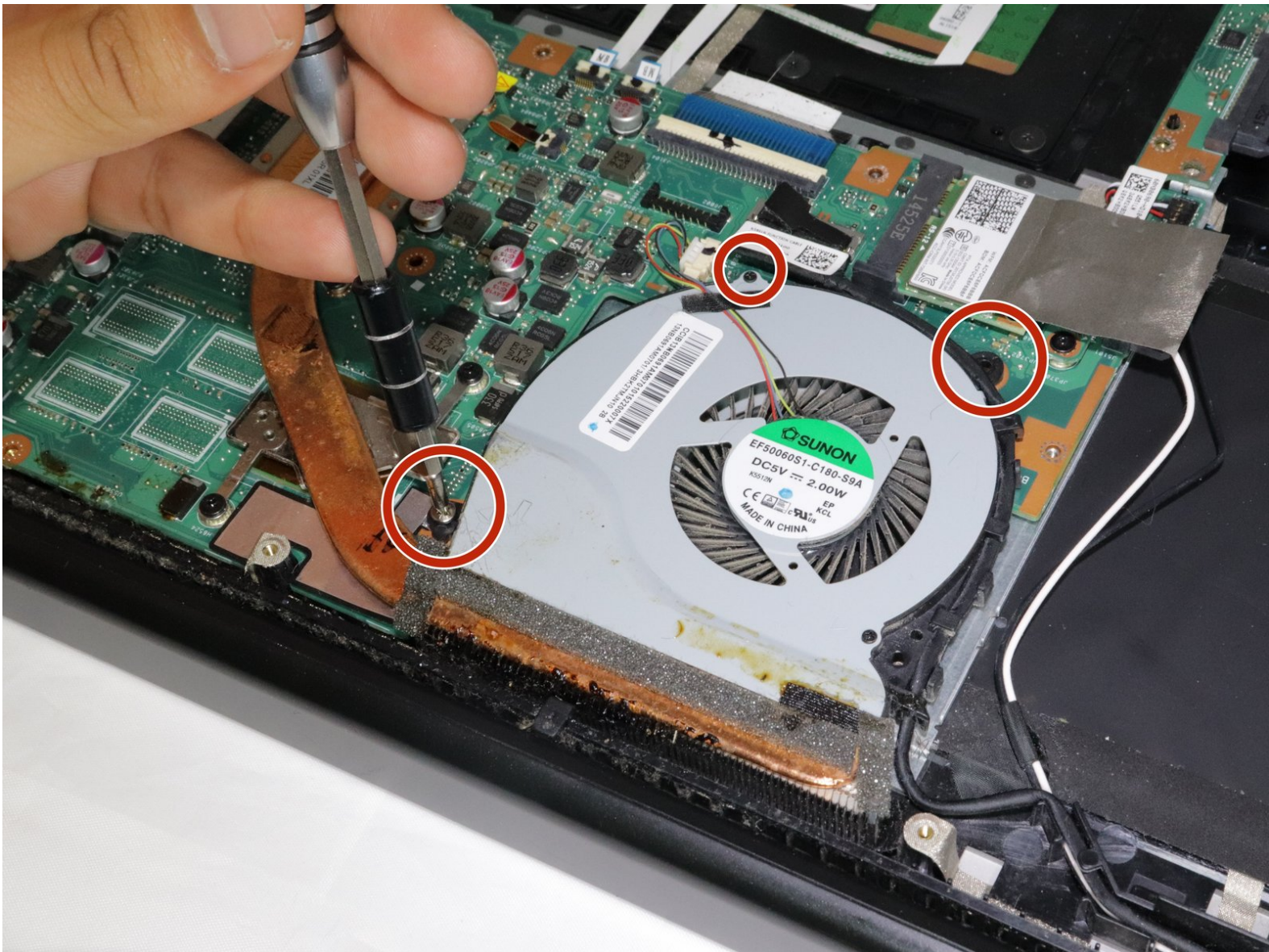
This guide will describe the procedure for replacing the motherboard in the Asus Q551L.

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INTRODUCTION

The motherboard is the most impotent part in the computer because most of the computer's parts are located on it or attached to it, so you will need to remove them in order to replace the motherboard. Watch out for some wires because they are hard to see.

🔧 TOOLS:
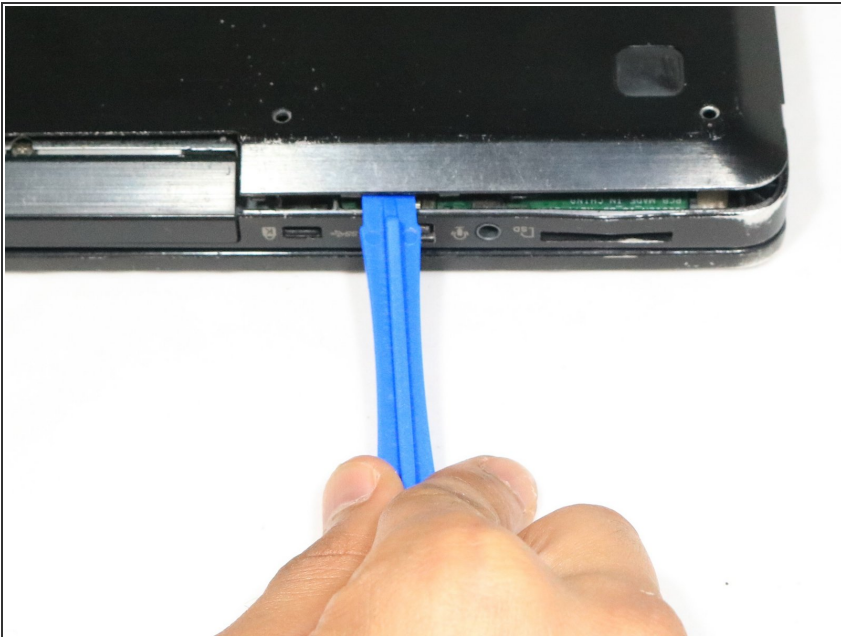
- T5 Torx Screwdriver (1)
- JIS #0 Screwdriver (1)
- Phillips #00 Screwdriver (1)
- Phillips #0 Screwdriver (1)

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Step 1 — Back Panel

- Unscrew the 10 screws around the edge of the back panel. Eight of the screws are 0.0793mm T5 , two of them are 0.0793 JIS #0.
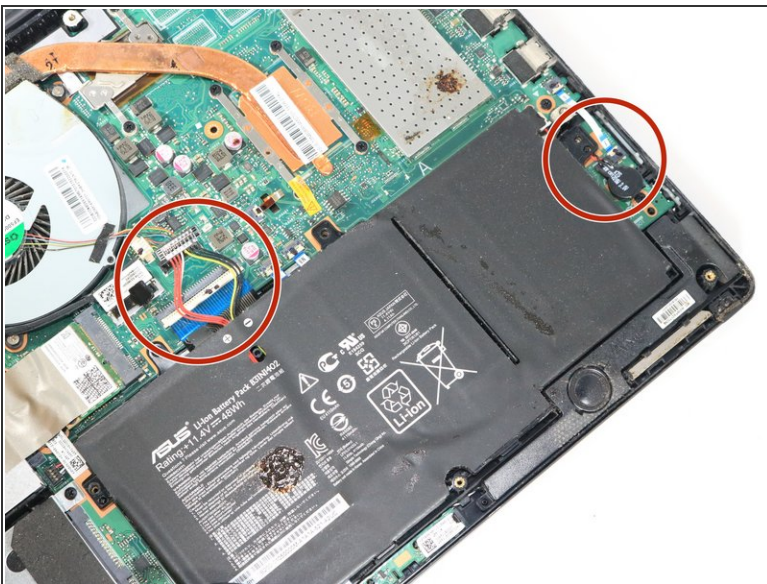
Step 2

- Use the plastic opening tool to pry the back panel off the base of the laptop.

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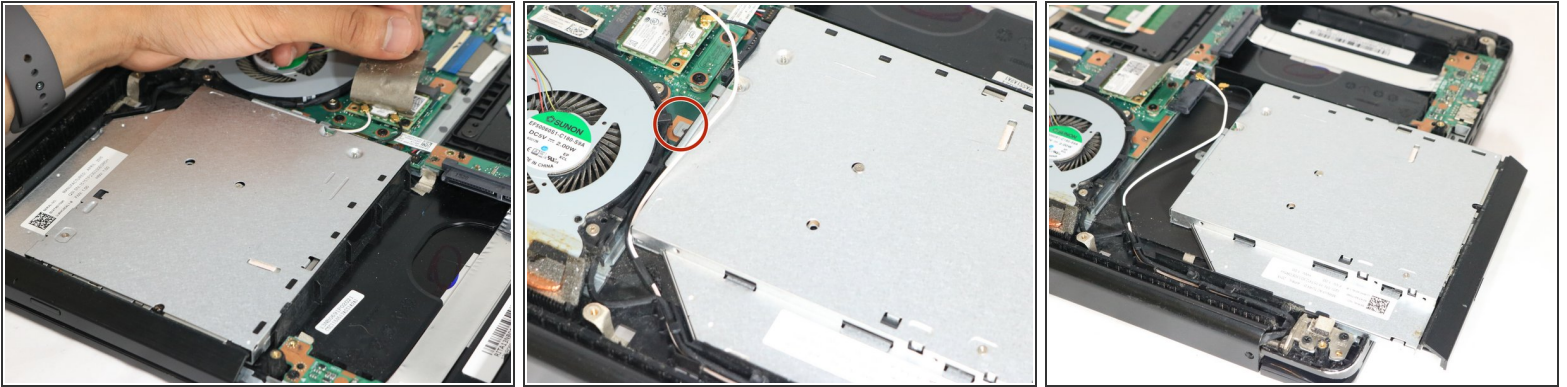   www.iFixit.com

Step 3 — Battery

- Unscrew the four screws to remove the battery.

Step 4

- Un-clip both wire clips on the upper and right side of the battery.
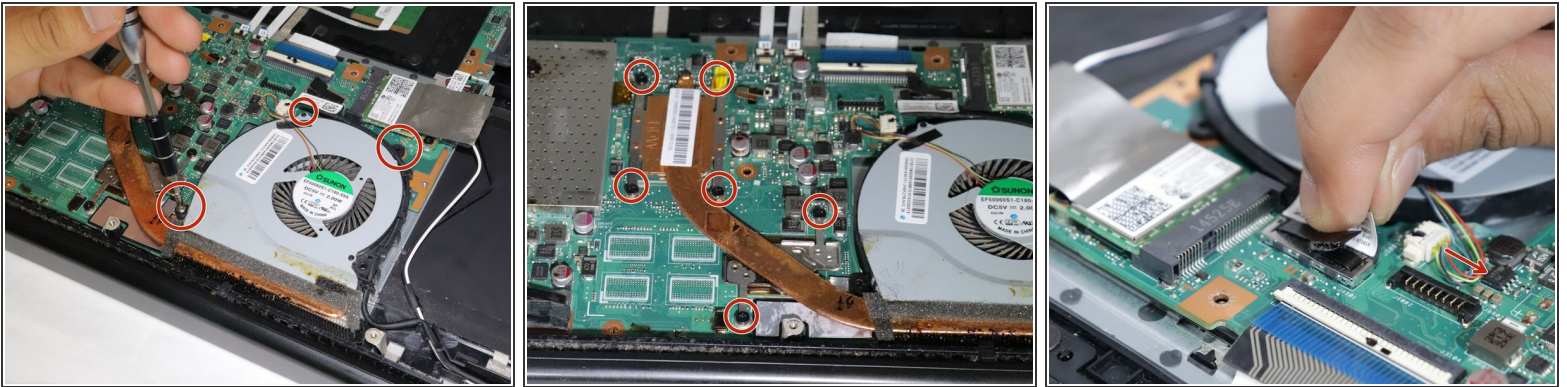- Lift the battery out of the device.

Step 5 — Optical Drive

- Lift up the sticker that sticks between the motherboard and the optical drive. Then, unscrew the one screw where it is marked and slide it out gently.

⚠ Watch out for the wires around the optical drive.
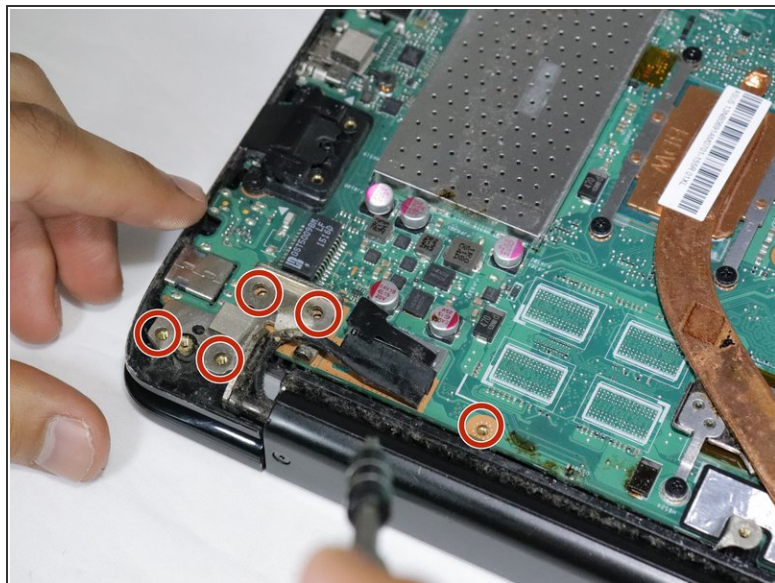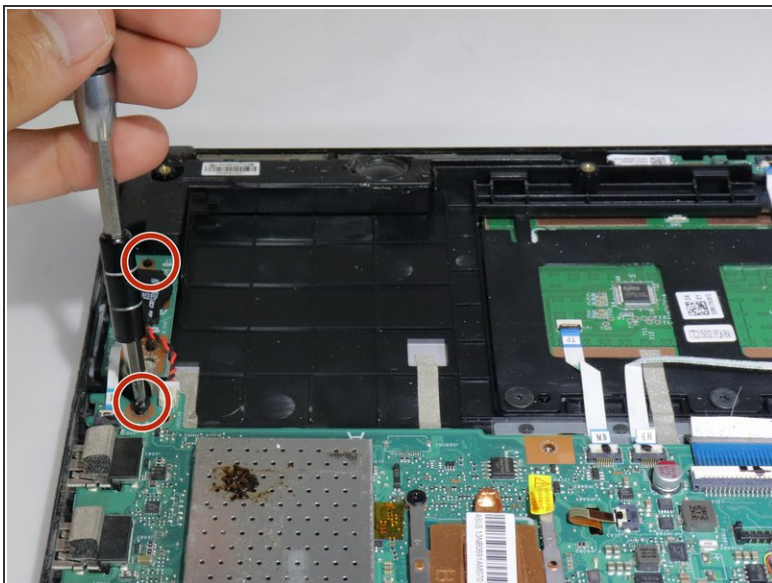
Step 6 — Motherboard

- Remove the fan by unscrewing the nine screws shown in the images.

- The four colored wire and the black cable need to be pulled out gently.

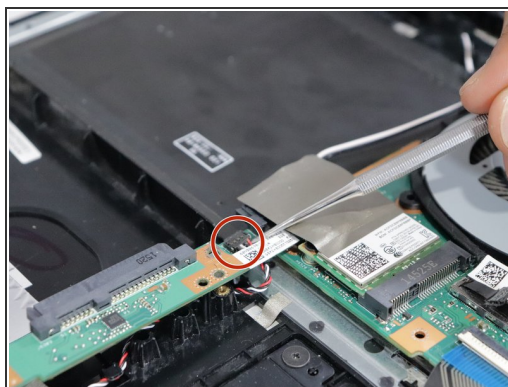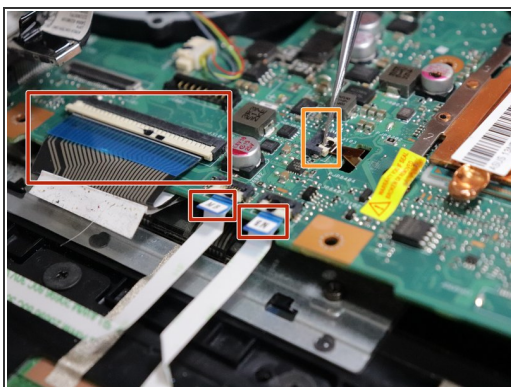⚠ There will be wires around the fan. Make sure they are not stuck to it.

📌 You want to keep the fan if it still in good conditions.

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Step 7

- Unscrew the seven screws Phillips Head 0.0793 MM on the edges of the motherboard.

Step 8

- Disconnect any cables that hold the motherboard.

- Open up the white adjustable latch first to pull out the tapes.

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

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