



Asus Q550LF-BBI7T07 MotherBoard Replacement

Replacing Asus Q550LF-BBI7T07 MotherBoard.

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INTRODUCTION

If your laptop screen does not light up or show images or It only displays one color, your motherboard may need to be replaced. In this guide, we will show you how to replace your motherboard.

TOOLS:

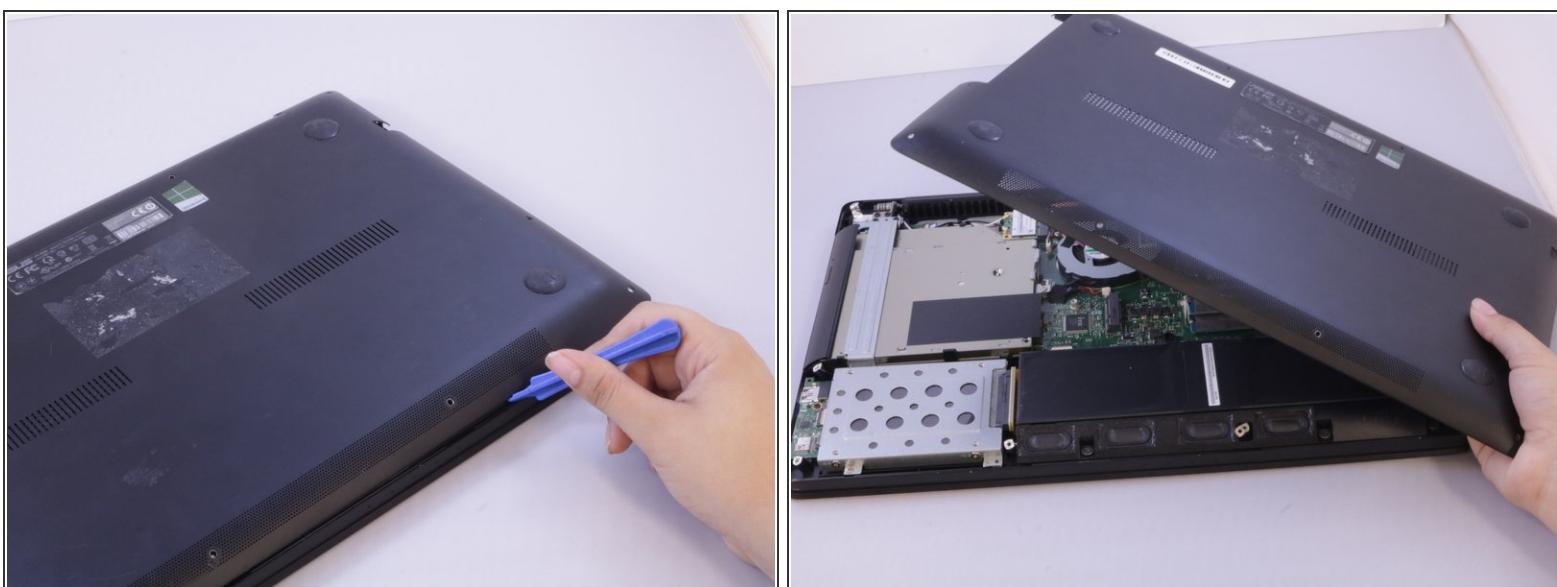
- [T4 Torx Screwdriver \(1\)](#)
- [Phillips #0 Screwdriver \(1\)](#)
- [iFixit Opening Tools \(1\)](#)
- [Metal Spudger \(1\)](#)

Step 1 — Battery



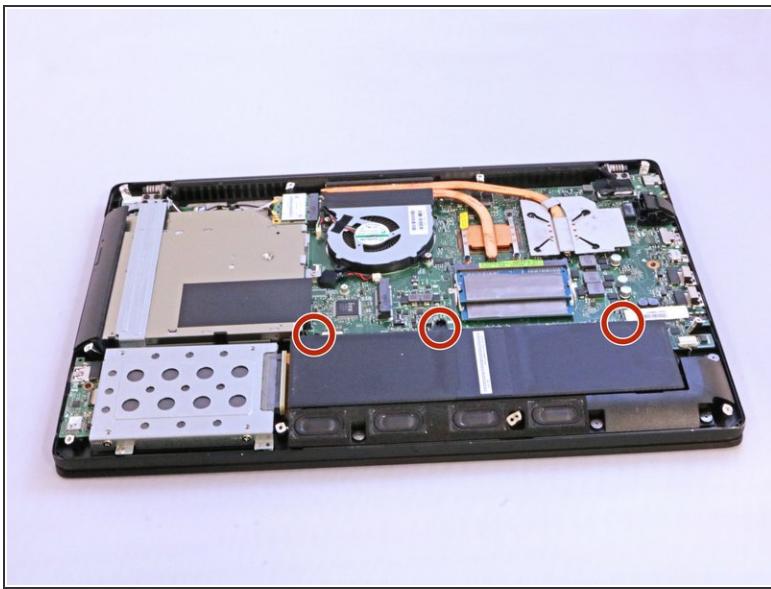
- Use a T4 Torx screwdriver head to remove the ten 4mm Torx head screws on the bottom of the laptop.

Step 2



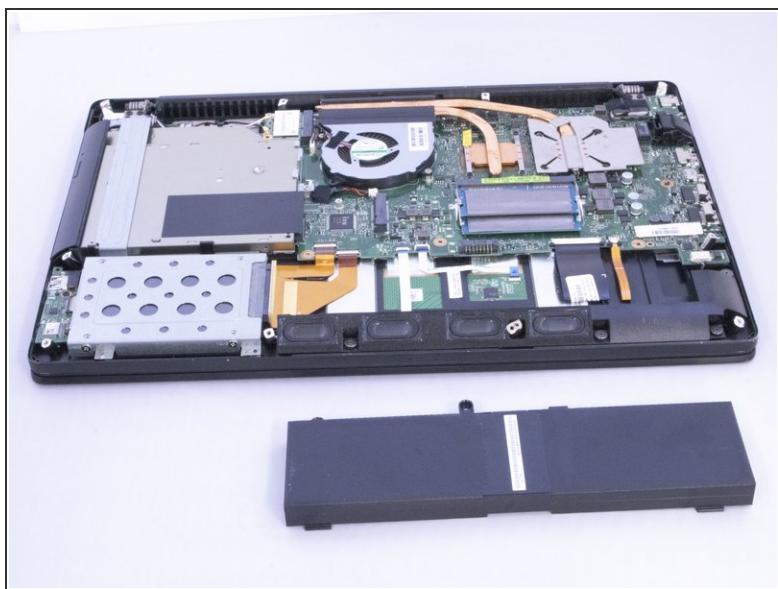
- Use an opening tool to pry open the rear cover. Lift the cover off and away from the board.

Step 3



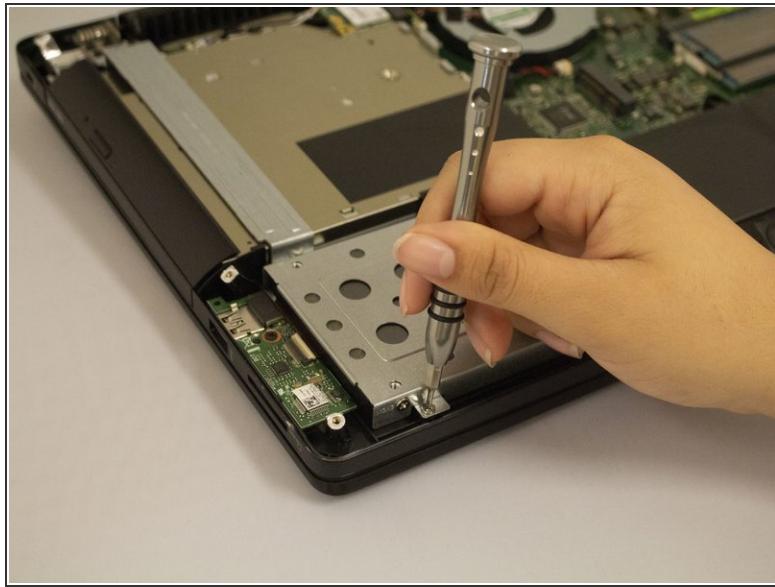
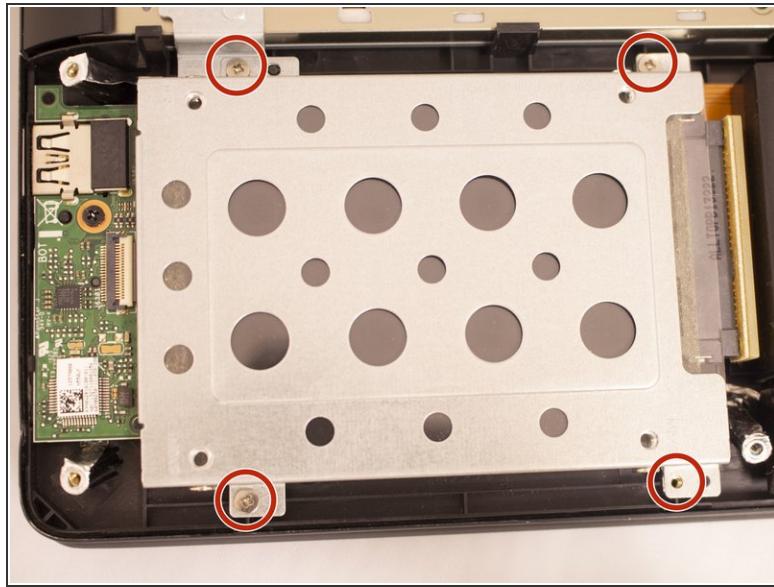
- Use a Phillips #0 screwdriver head to remove the three black 7mm Phillips head screws that hold the battery in place.

Step 4



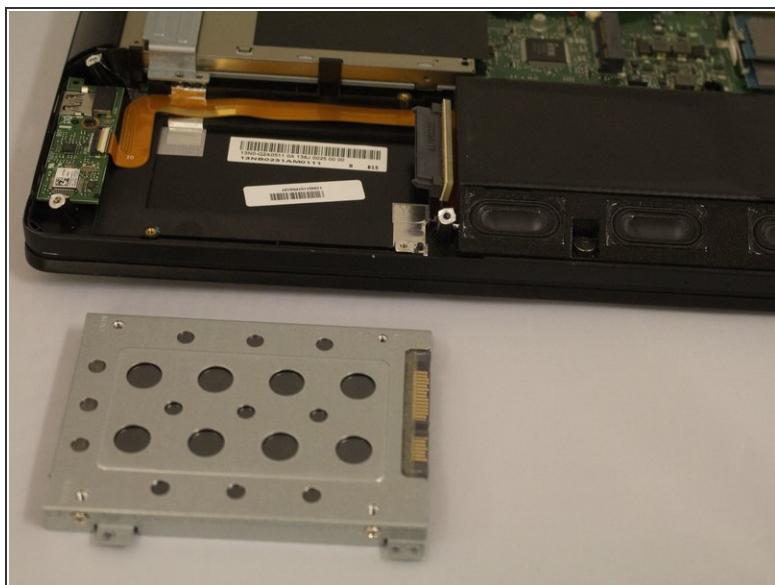
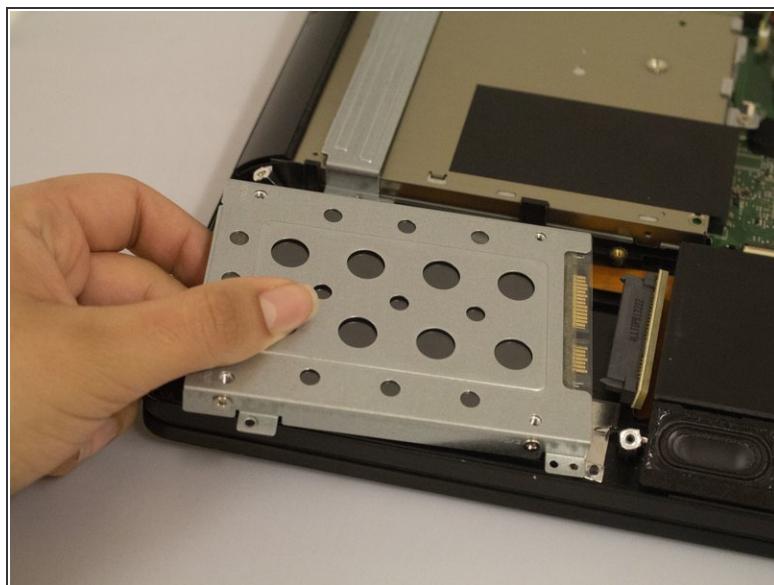
- Once the screws have been removed, gently lift the battery out using your fingers.

Step 5 — Hard Drive



- Use the Phillips #0 Screwdriver to unscrew the four silver 5mm screws.

Step 6



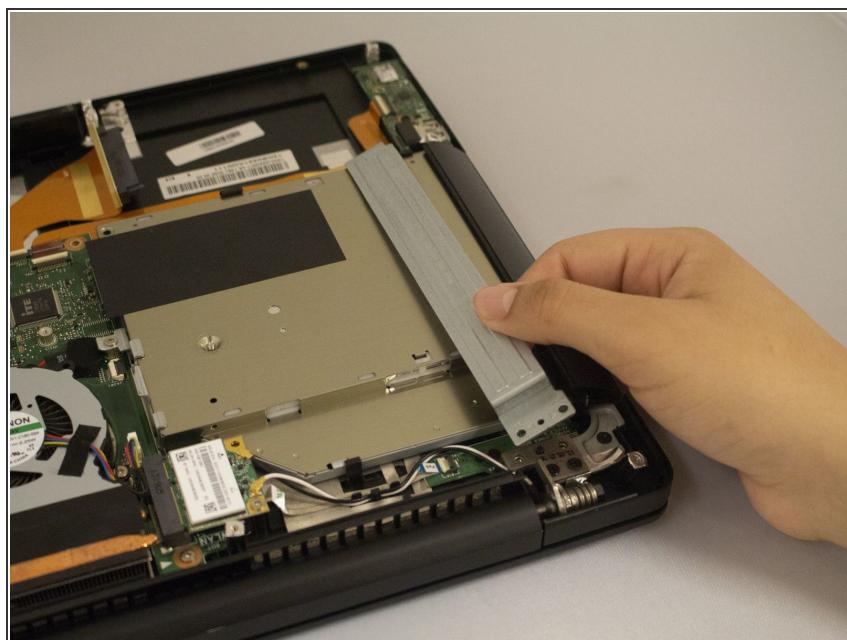
- Gently disconnect the Hard Drive from the connector cable. Lift out to remove it.

Step 7 — Disc Drive



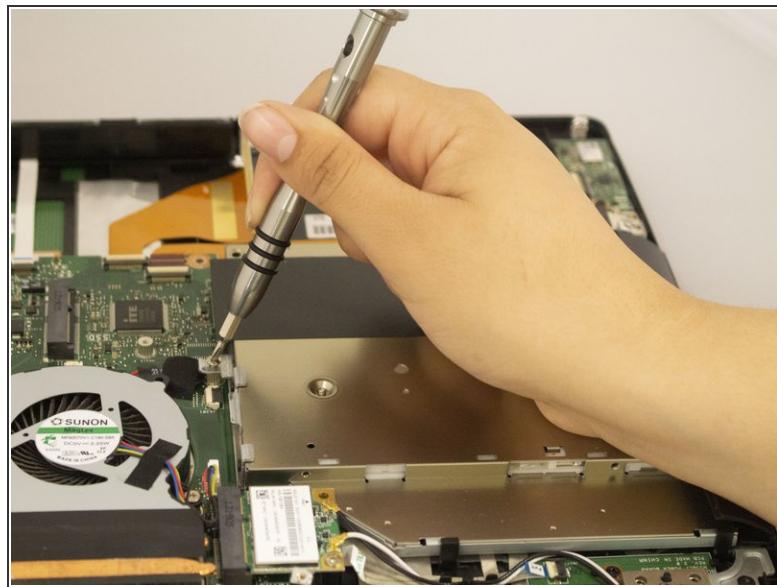
- Use the Phillips #0 screwdriver to remove the two 7mm Phillips head screws from the metal disc drive holder.

Step 8



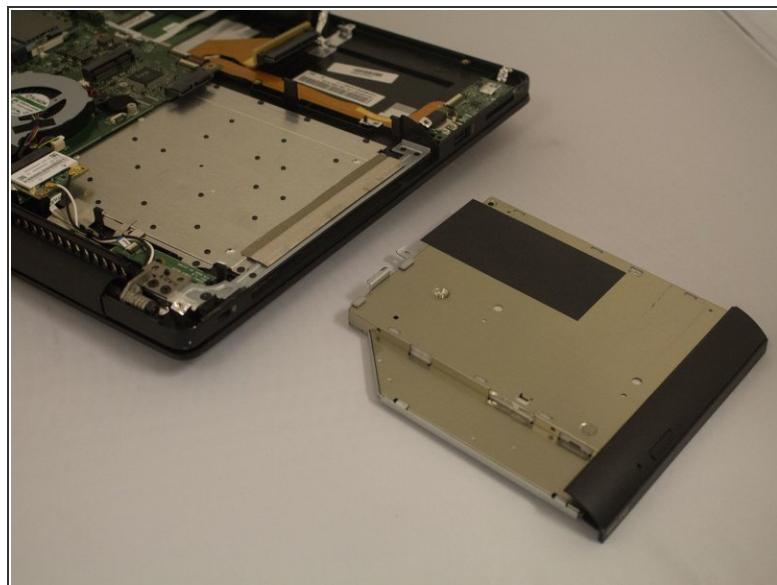
- Lift the metal disc drive holder off of the disc drive to remove it.

Step 9



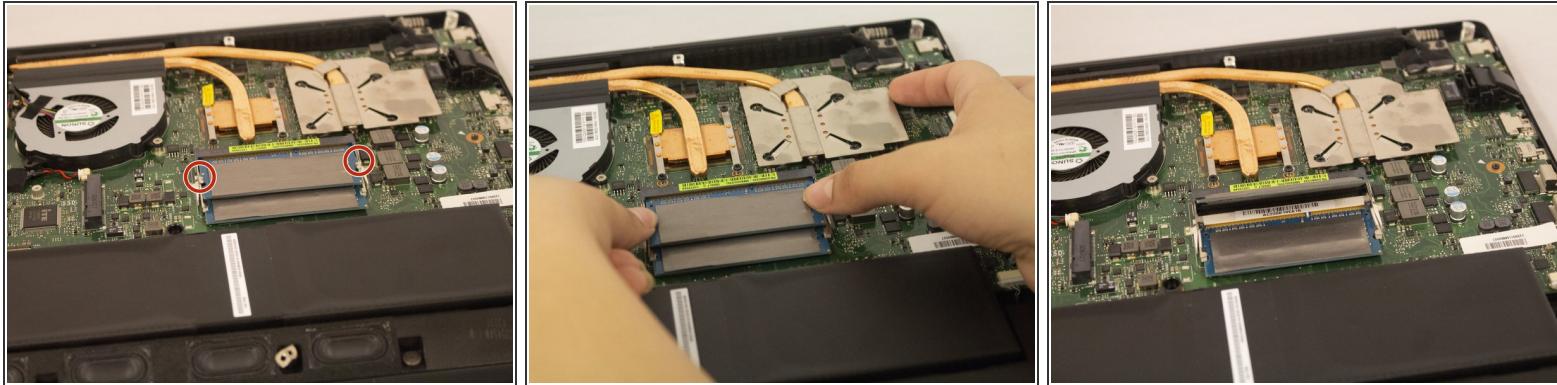
- Use the Phillips #0 screwdriver to unscrew the one silver 5mm Phillips head screw that connects the disc drive to the motherboard.

Step 10



- Slowly slide out the disc drive, keeping it level, to remove it.

Step 11 — RAM



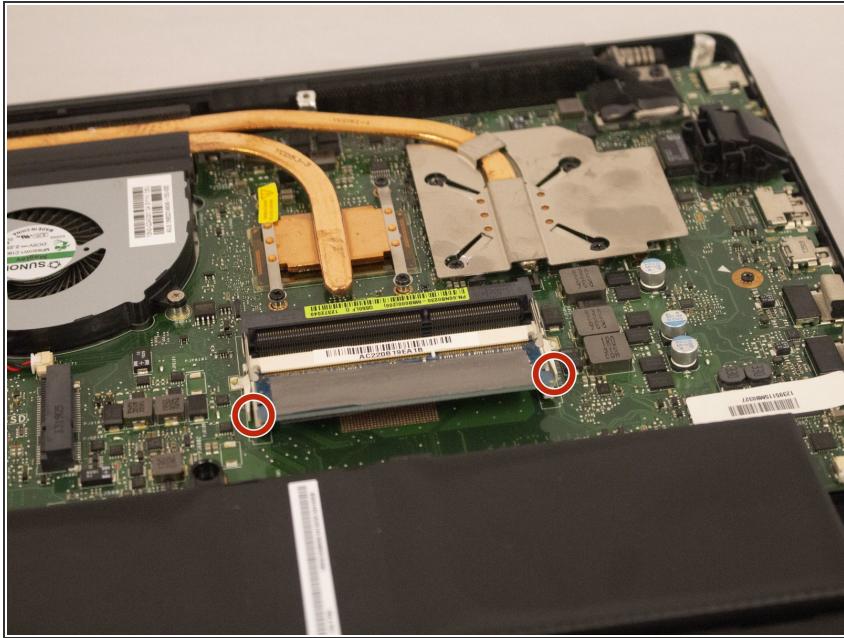
- Push both metal tabs away from each other on each side of the RAM farthest from battery so that the RAM will pop up.

Step 12



- Pull out first RAM chip at the same angle it is raised at.

Step 13



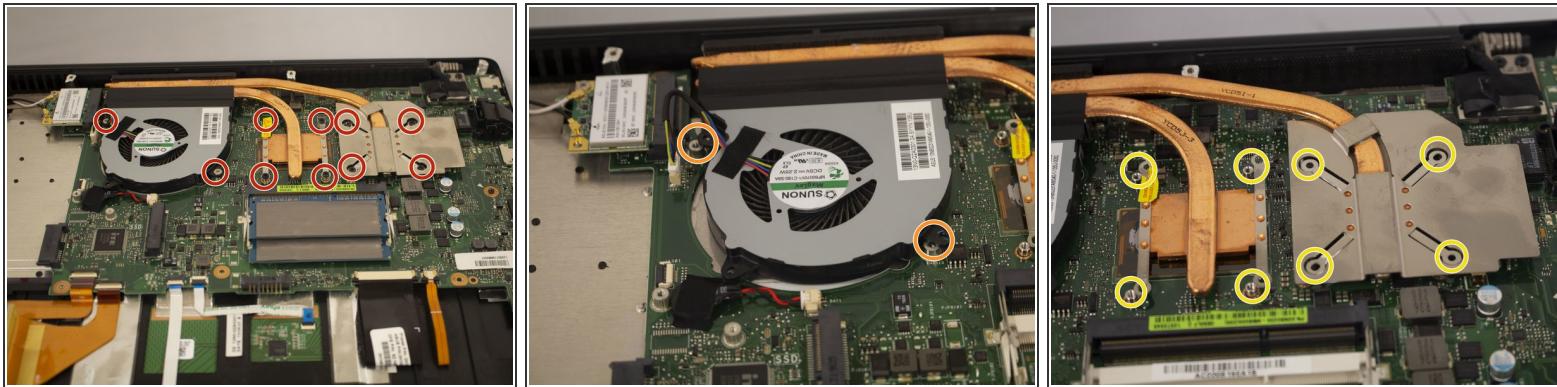
- Push both metal tabs away from each other on each side of the RAM closest to the battery so that the second RAM will pop up.

Step 14



- Pull out second RAM chip at the same angle it is raised at so that the RAM is removed.

Step 15 — MotherBoard



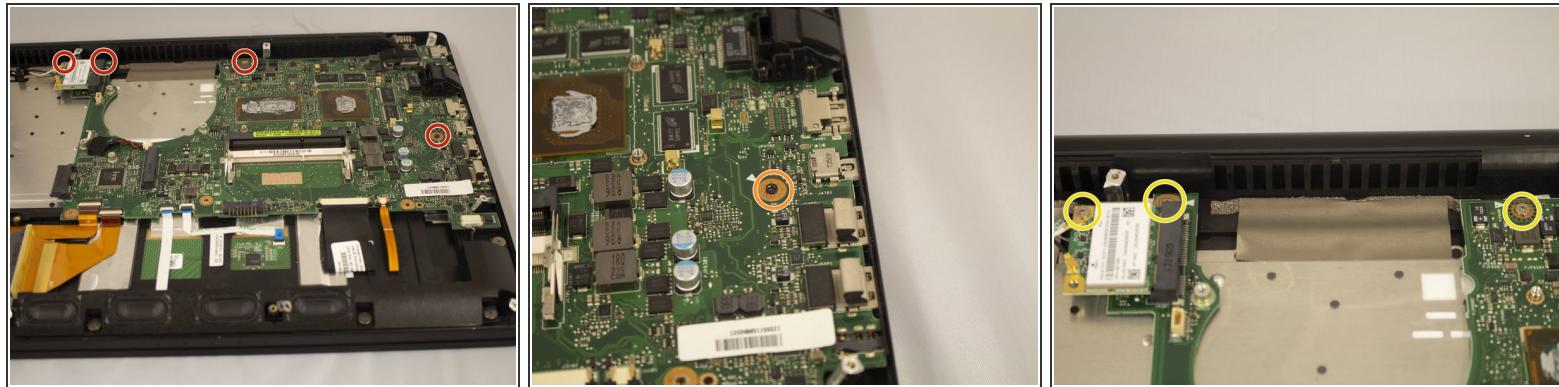
- Remove the ten screws surrounding the fan using a Phillips #0 screwdriver;
- Remove the two silver 5mm Phillips head screws that hold the fan in place.
- Remove the eight black 4mm Phillips head screws that hold the fan in place.

Step 16



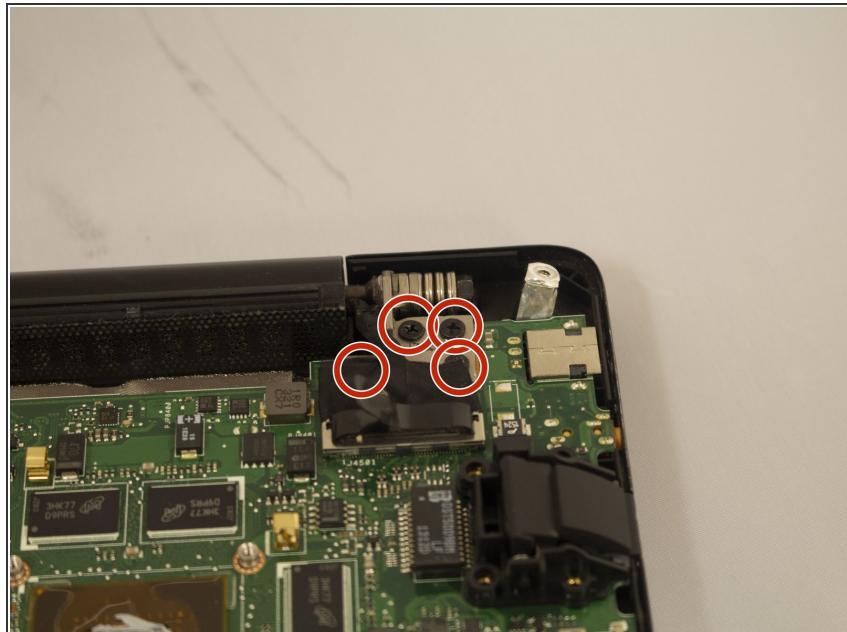
- Disconnect the multi-colored cable that attaches the fan to the motherboard.
- Pick the fan up to remove it from the motherboard.

Step 17



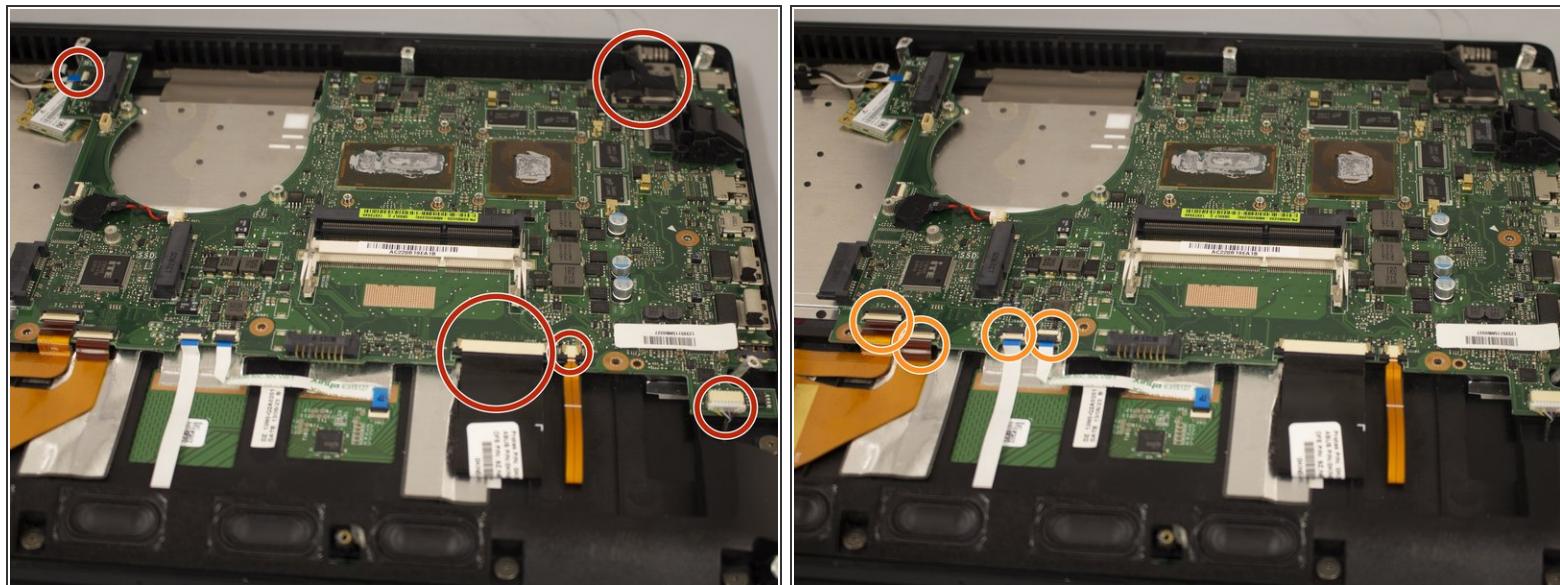
- Use the Phillips #0 Screwdriver to remove the four screws on the edge of the motherboard;
- Remove the one black 3mm screw.
- Remove the three silver 5mm screws.

Step 18



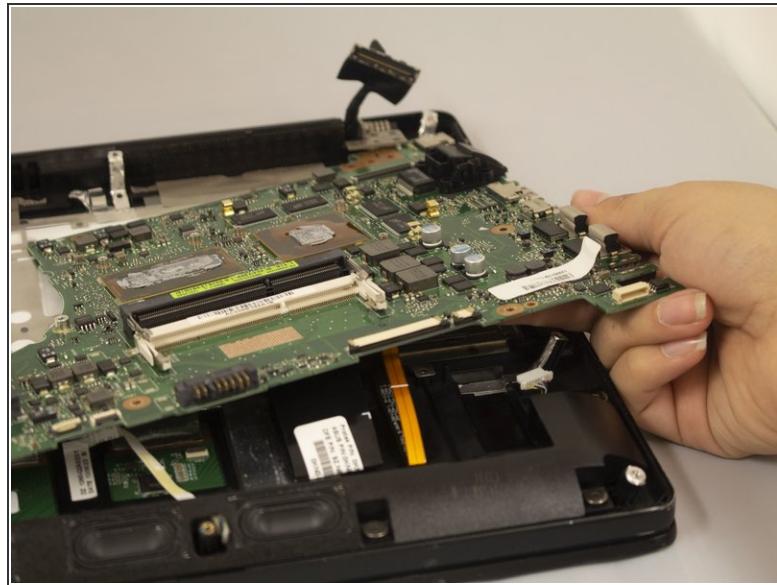
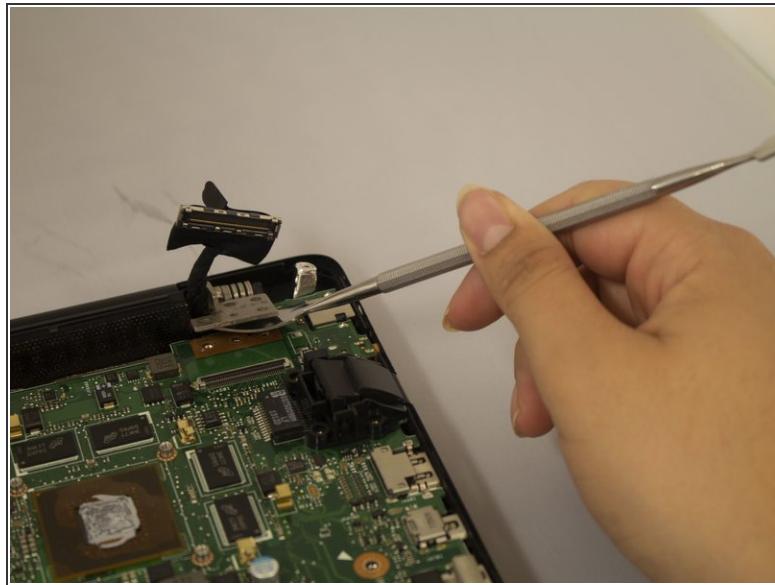
- Use the Phillips #0 Screwdriver to remove the remaining four black 7mm screws on the edge of the motherboard.

Step 19



- Disconnect the five cables that are attached to the motherboard by gently pulling them.
- Disconnect the four cables attached to the motherboard by lifting the tabs and gently pulling them out.

Step 20



- Use the metal spudger to pry and lift the silver hinge that is connected to the motherboard to release it.
- Pull the motherboard out by hand using a counterclockwise motion to remove it.

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