



Acer Chromebook C740 Motherboard Replacement

Replace the Acer Chromebook C740 motherboard.

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INTRODUCTION

The motherboard replacement for the Acer Chromebook C740 requires removing the back panel, unplugging several connectors, and removing several screws. The motherboard is the main circuitry for the laptop.

TOOLS:

- Spudger (1)
- iFixit Opening Tools (1)
- Phillips #0 Screwdriver (1)

PARTS:

- Acer Chromebook C740 Motherboard (1)
- Acer Chromebook C740 Heat Sink and Cooling Fan (1)

Step 1 — Back Panel



- Power down the Chromebook and disconnect the power adapter.

Step 2



- Place the chromebook bottom side up on a flat surface.
- Remove the thirteen 7 mm screws with a Phillips #0 screwdriver.

Step 3



- Insert the plastic opening tool into the slit near the hinges and pry upwards to lift the back panel.
- *(i)* Applying pressure may be necessary. A click indicates the panel is ready to come off.

Step 4 — Motherboard



- Flip up the clip holding down the white cable using the spudger.
- Pull the cable outwards towards the battery.

Step 5



- Flip up the clip holding down the white cable using the flat end of the spudger.
- Pull the cable outwards towards the battery.

Step 6



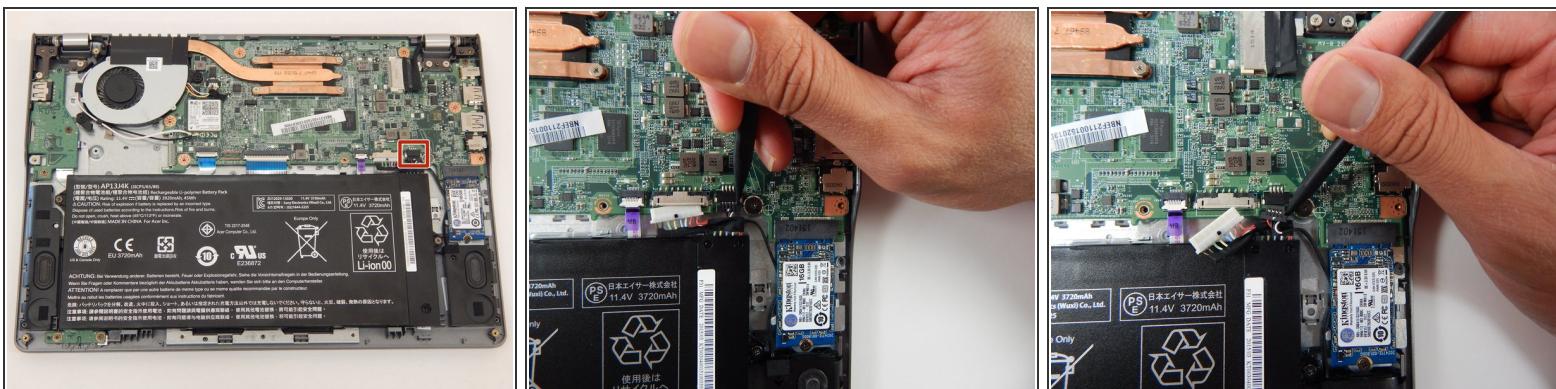
- Flip up the white clip holding down the connector labelled "MB" using the flat end of the spudger.
- Remove the connector by pulling out towards the battery.

Step 7



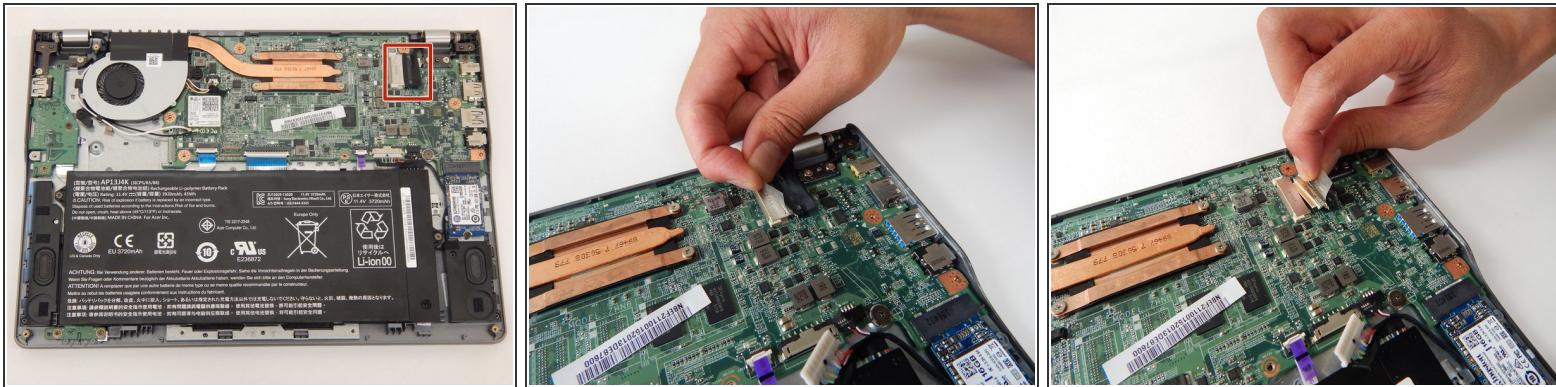
- Unplug the white 8-wire battery connector from the motherboard by using a spudger to push the two L-shaped indentations towards the battery.
 - The connector is a tight fit. This process requires going back-and-forth between the two indentations and plenty of patience.*

Step 8



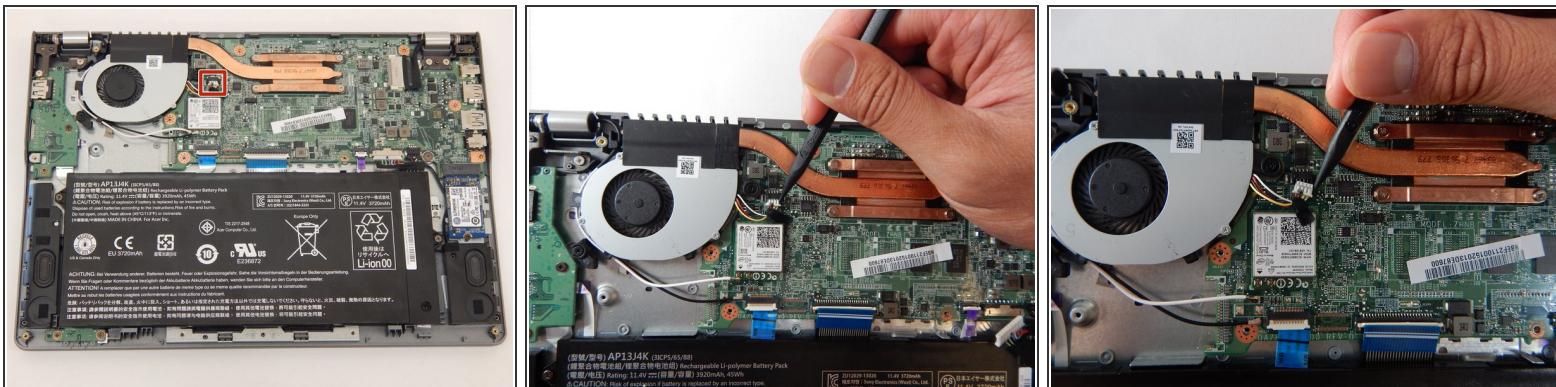
- Unplug the black connector attached to the motherboard at the top right of the battery by using a spudger to push the two L-shaped indentations towards the battery.

Step 9



- Peel back the tape covering the white connector at the top-right of the motherboard.
- Remove the connector from its fitting by pulling outwards.

Step 10



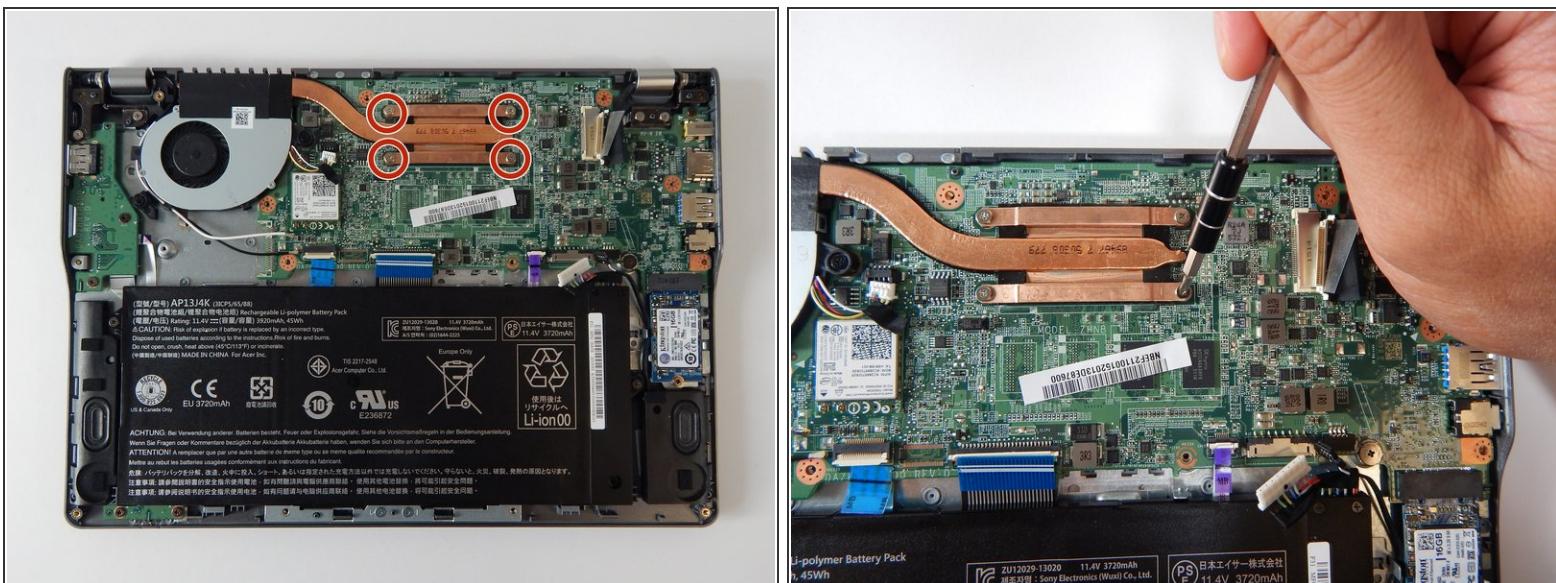
- Unplug the white connector attached to the right of the fan with the spudger by applying force towards the battery on the two L-shaped indentations.

Step 11



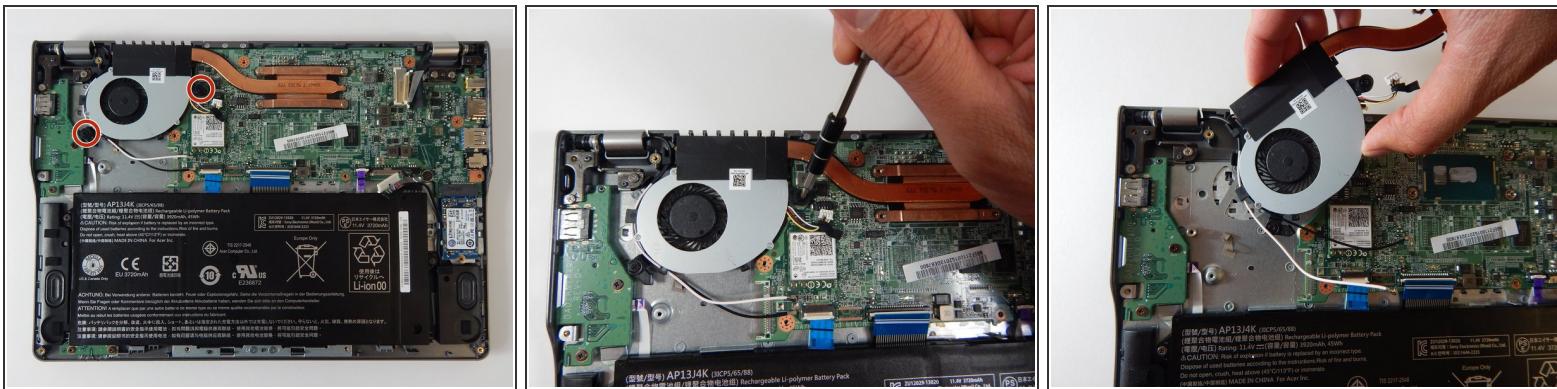
- Disconnect the two white and black wires by holding close to the metal snap-on caps and pulling upwards.

Step 12



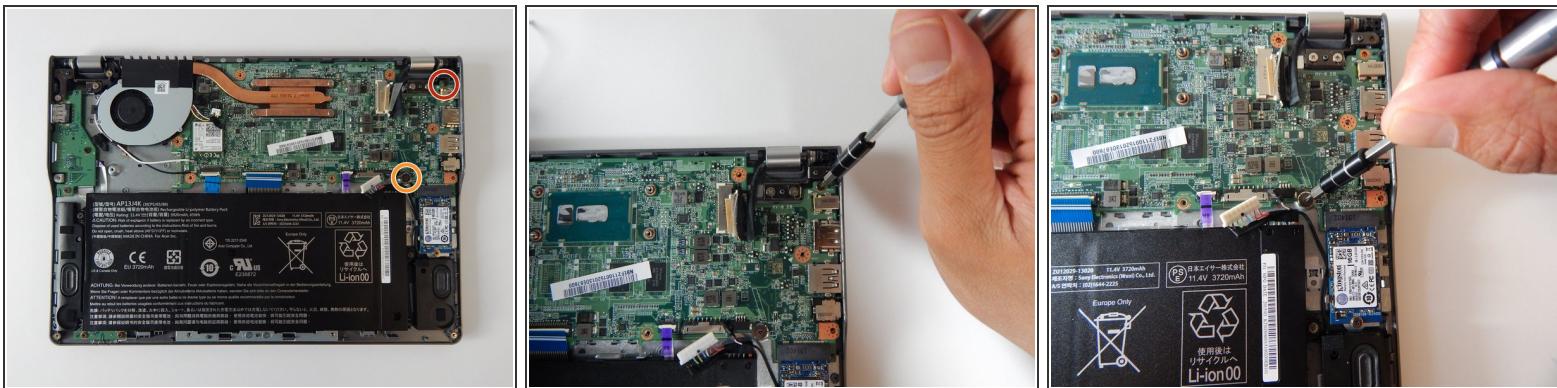
- Remove the four 3.7 mm screws with a Phillips #0 screwdriver.

Step 13



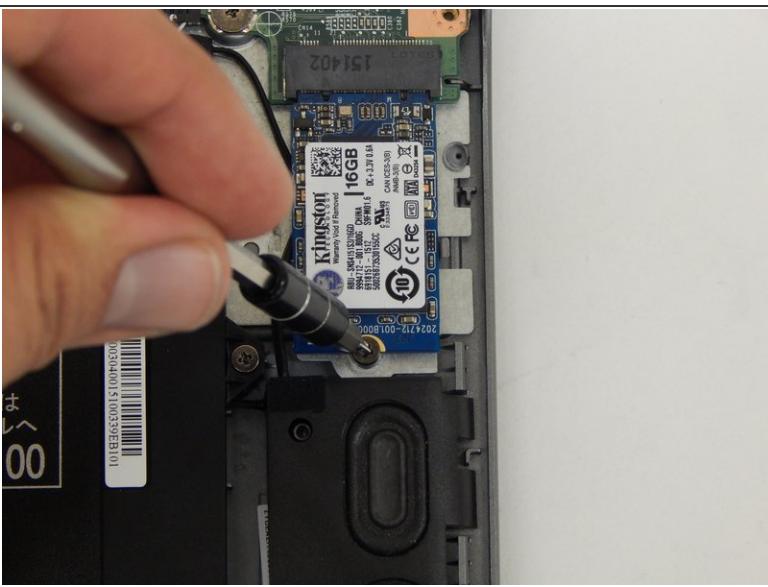
- Loosen the two black screws with a Phillips #0 screwdriver.
- *(i)* These screws cannot be removed. However, simply loosening them allows the heatsink fan to lift away from the motherboard.
- Lift the heatsink fan and rotate it away from the mother board to set down outside the laptop.

Step 14



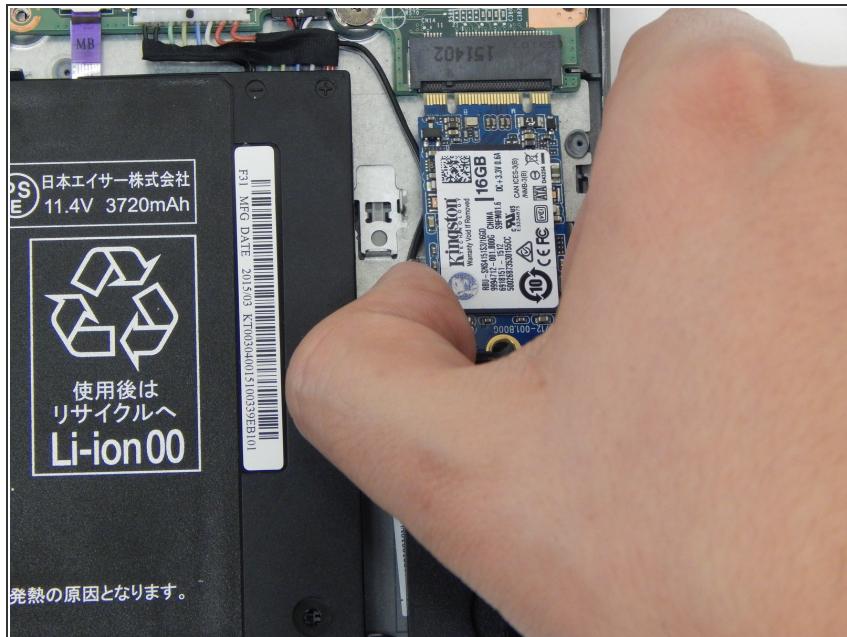
- Remove the 3.63 mm screw in the top right near the hinge with a Phillips #0 screwdriver.
- Remove the 3.75 mm screw near the top right corner of the battery with a Phillips #0 screwdriver.

Step 15



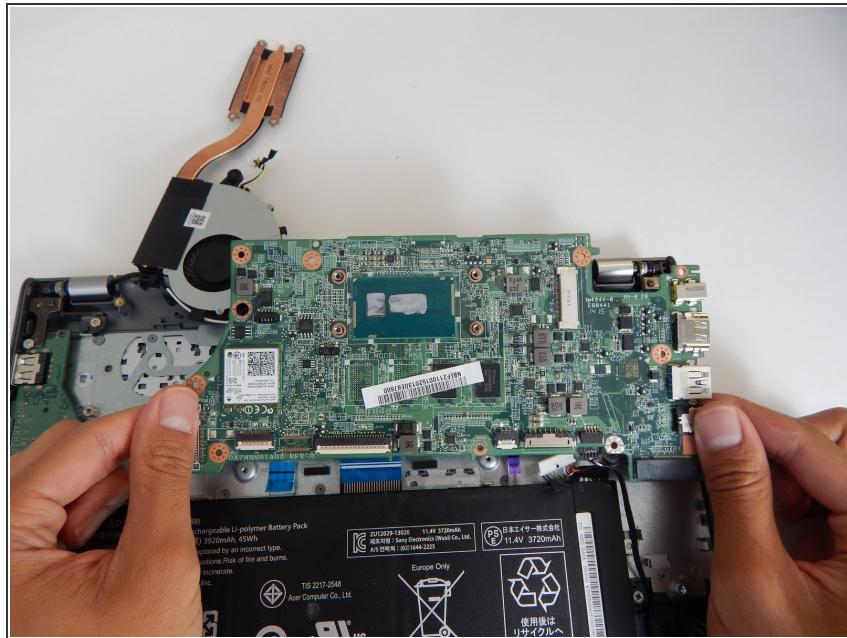
- Remove the 3.75 mm screw with a Phillips #0 screwdriver.

Step 16



- Unplug the solid state drive.

Step 17



- Carefully lift the motherboard away from the laptop with two hands.

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