Acer Chromebook C740-C4PE Heatsink Replacement

This guide will display the steps necessary to remove the heatsink from the Acer Chromebook C740-C4PE. Use this guide if your Chromebook often overheats.
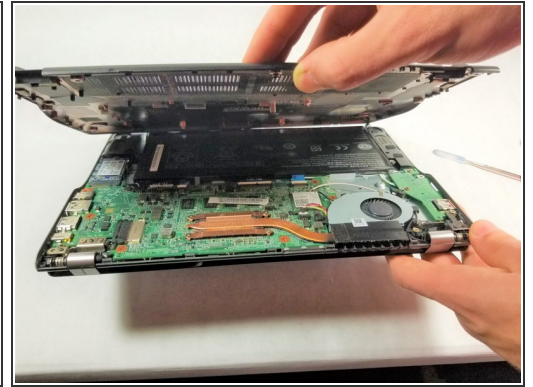
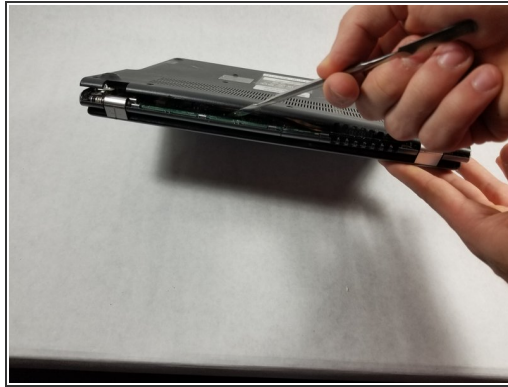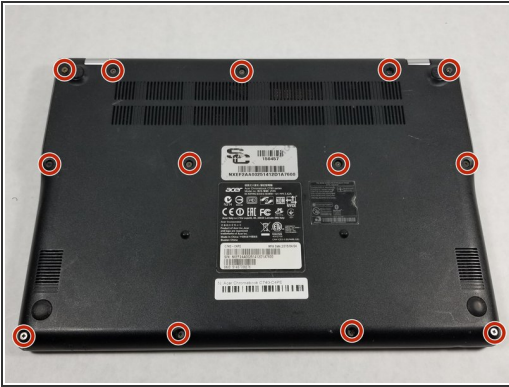Written By: Dylan Tocci

INTRODUCTION

This guide will demonstrate how to partially take apart the Acer Chromebook C740-C4PE, in addition to removing the heatsink.

🔧 TOOLS:

- Phillips #0 Screwdriver (1)
- Spudger (1)

Step 1 — Heatsink

ⓘ Make sure the laptop is turned off and laid down on a flat surface.

● Unscrew the thirteen 10mm screws on the back of the device using a Phillips #0 screwdriver.

● Use the spudger or any other prying tool to pry the back plate off of the device.

⚠ Be sure not to pry too hard as it may result in snapping the back plate.

Step 2
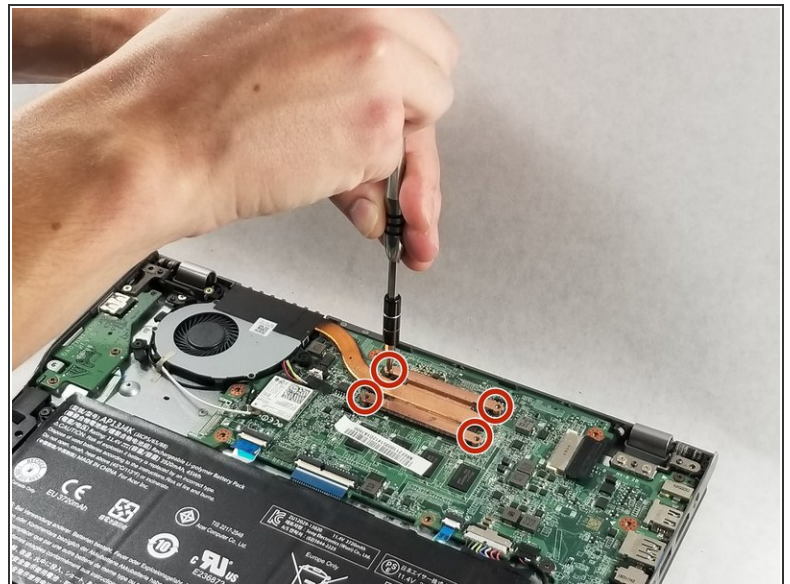
● Remove the four 5mm screws on the heatsink using the Phillips #0 screwdriver.

Step 3
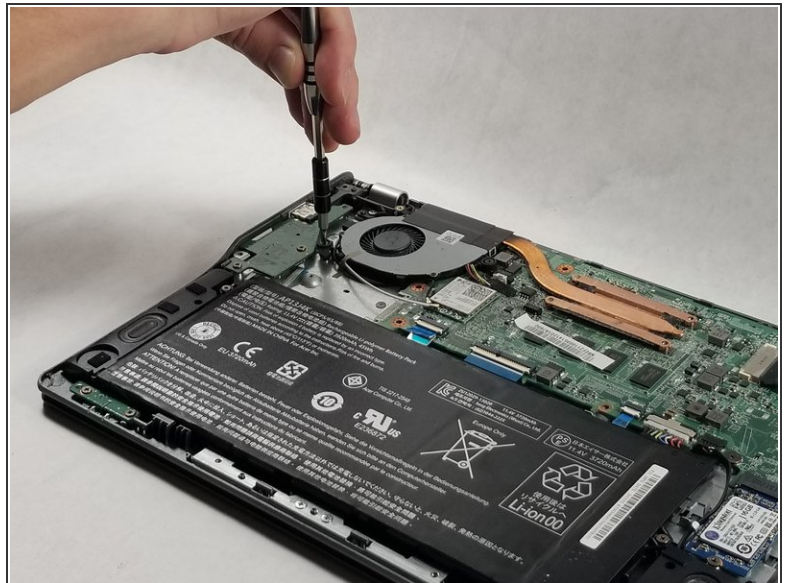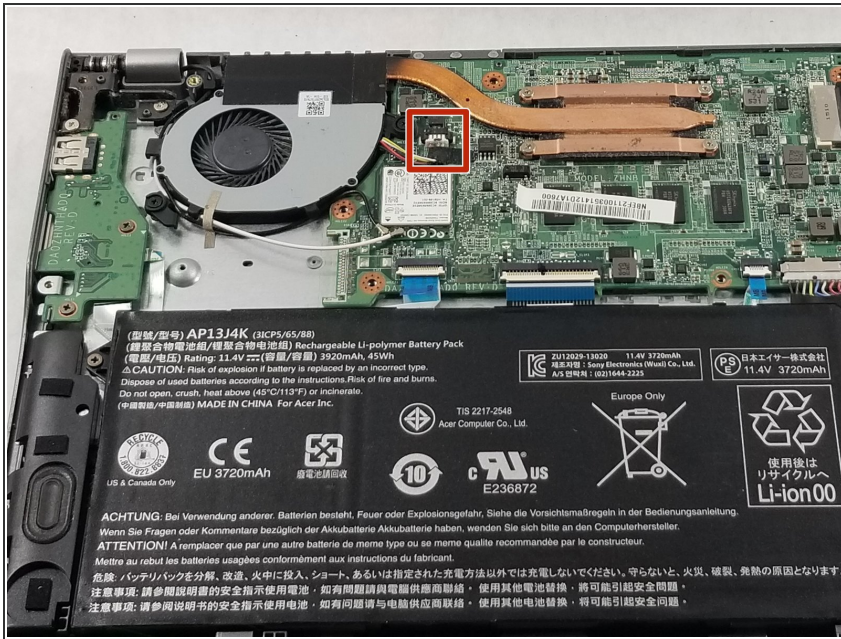

- Loosen the two Phillips-head screws on the fan attached to the heatsink.

Step 4

- Detach the two antennae cables from the WiFi card by gently pulling on them.

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Step 5

- Gently pull the fan cable out of the motherboard.

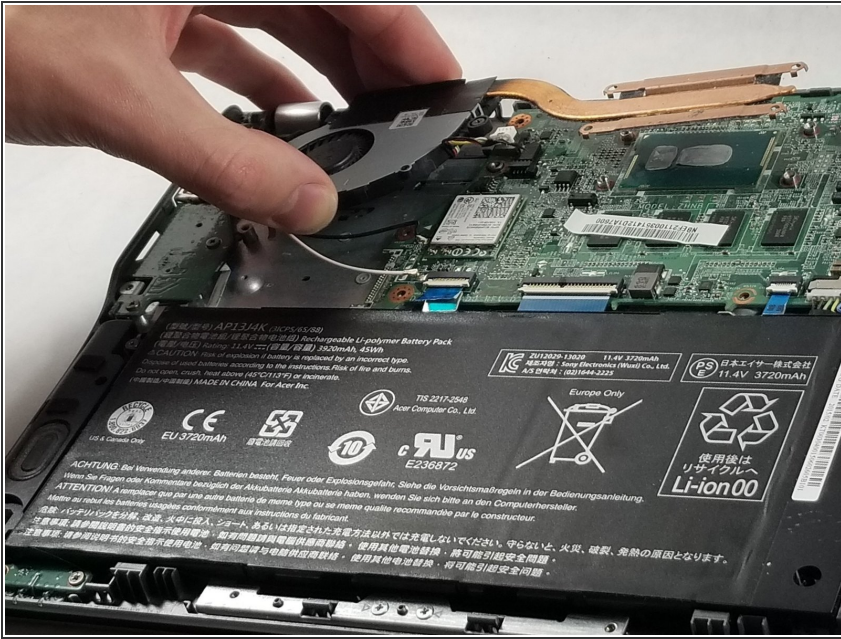 ⚠ Pulling too hard may break the wires or the connector itself.

Step 6

- Remove the cable routed through the fan.

⚠ Do not completely remove the cables as they are attached to the motherboard. Once they are no longer routed in the fan, leave them as they are.

Step 7

- Remove the heatsink from the motherboard.

⚠ Before changing the heatsink/fan, you must clean off the thermal paste from the CPU and apply new thermal paste.

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