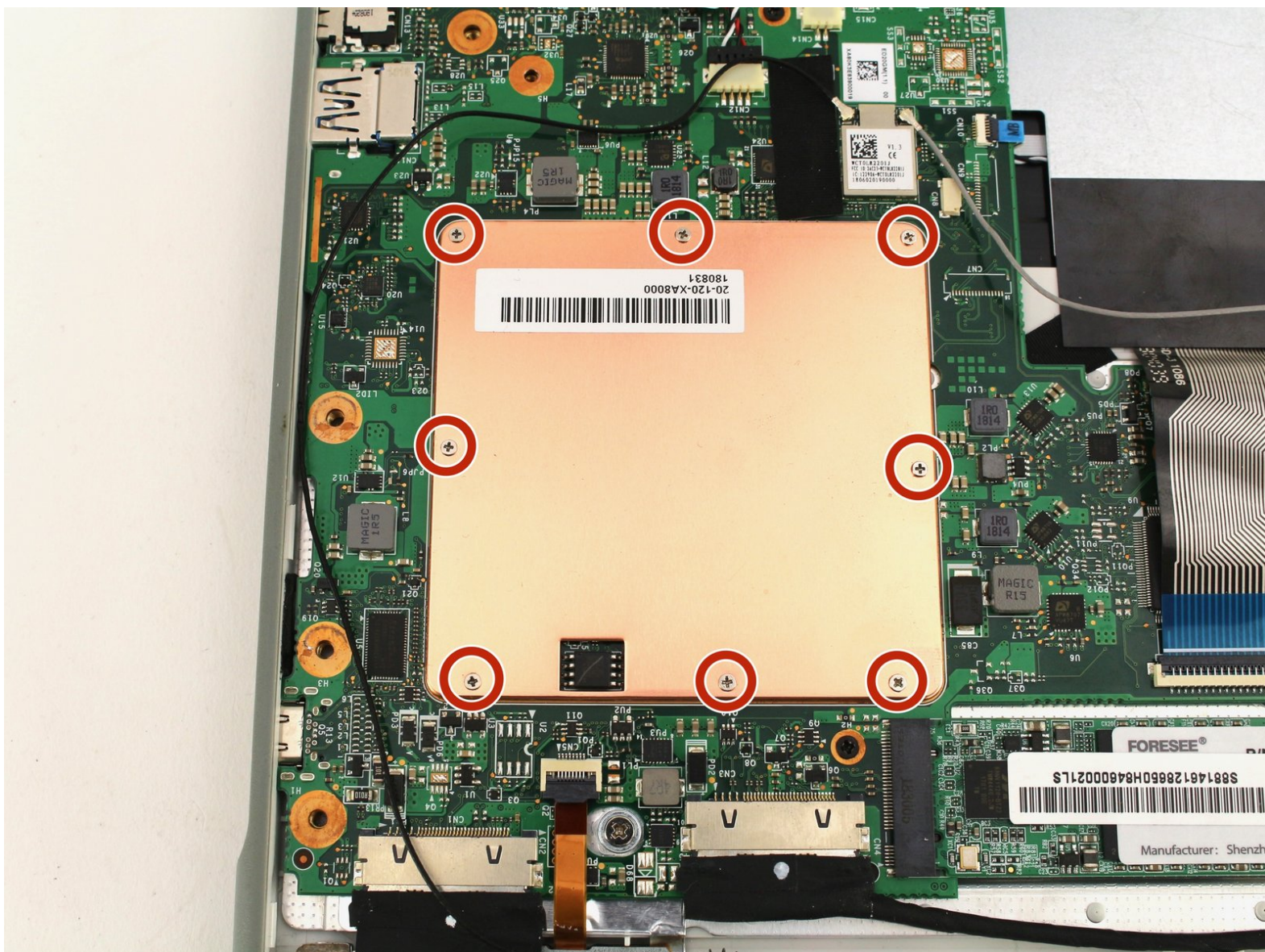![iFixit](iFixit logo)

One Education Infinity Heatsink Replacement

This guide will help you remove and replace the heatsink in your One Education Infinity.

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INTRODUCTION

This guide will instruct the reader on how to replace the heatsink in a One Education Infinity.

The heatsink is typically a component that diverts heat away from the processing units of the computer. The One Education Infinity doesn't output quite enough heat to require use of a fan, so the heatsink is simply a standalone copper cover. The cover dissipates heat coming off of the CPU with its large surface area relative to the CPU itself.

However, while the heatsink is usually joined to the CPU using thermal paste to increase conductivity efficiency, this device design doesn't have the CPU make direct contact with the heatsink, negating the need for thermal paste. Therefore, the heatsink can simply be replaced by taking the copper cover off and putting the new one on, without the need to reapply any thermal paste.

A malfunctioning heatsink can cause excessive heat around the CPU which will bring the processor above safe functioning temperatures. This can express itself through frequent crashes when the computer is performing strenuous tasks, and noticeable heat seeping from the bottom of the case. However, in this design, the heatsink doesn't contain thermal paste and doesn't direct the heat to a mechanical component like a fan, so a replacement may not help overheating unless the heatsink is visibly bent or damaged.

TOOLS:

- Metal Spudger (1)
- Phillips #00 Screwdriver (1)
- iFixit Opening Tools (1)
- Spudger (1)

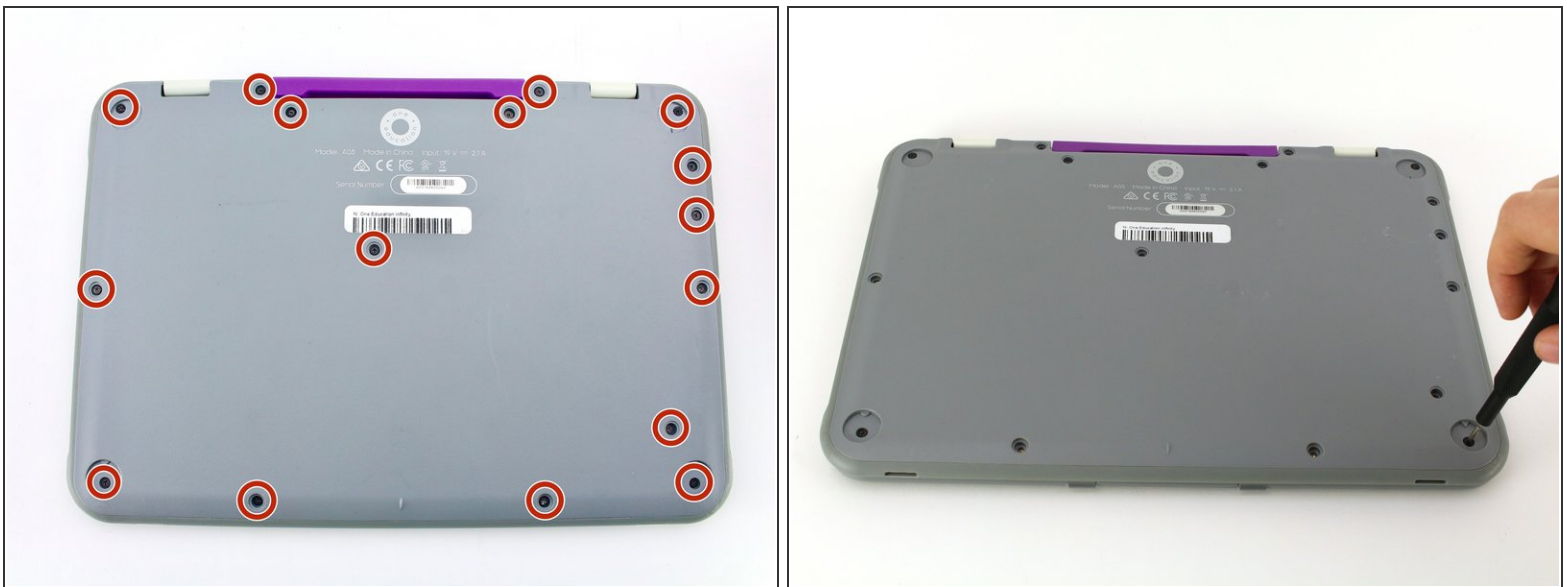This document was generated on 2020-01-26 02:50:46 AM (MST).

Step 1 — Back Case

ⓘ Always power off your device before beginning disassembly.

● Remove the screw covers and rubber feet from the bottom of the laptop with a metal spudger.

Step 2

● Using a Phillips #00 screwdriver, remove the sixteen 5.0 mm black screws from the back panel.

Step 3

- Using the iFixit plastic opening tool or spudger, start near the white hinge of the device and lift along the outer edges of the device until all clips are released.

- Lift the back case off of the device.

- (i) Removing the back may create a loud snapping noise.
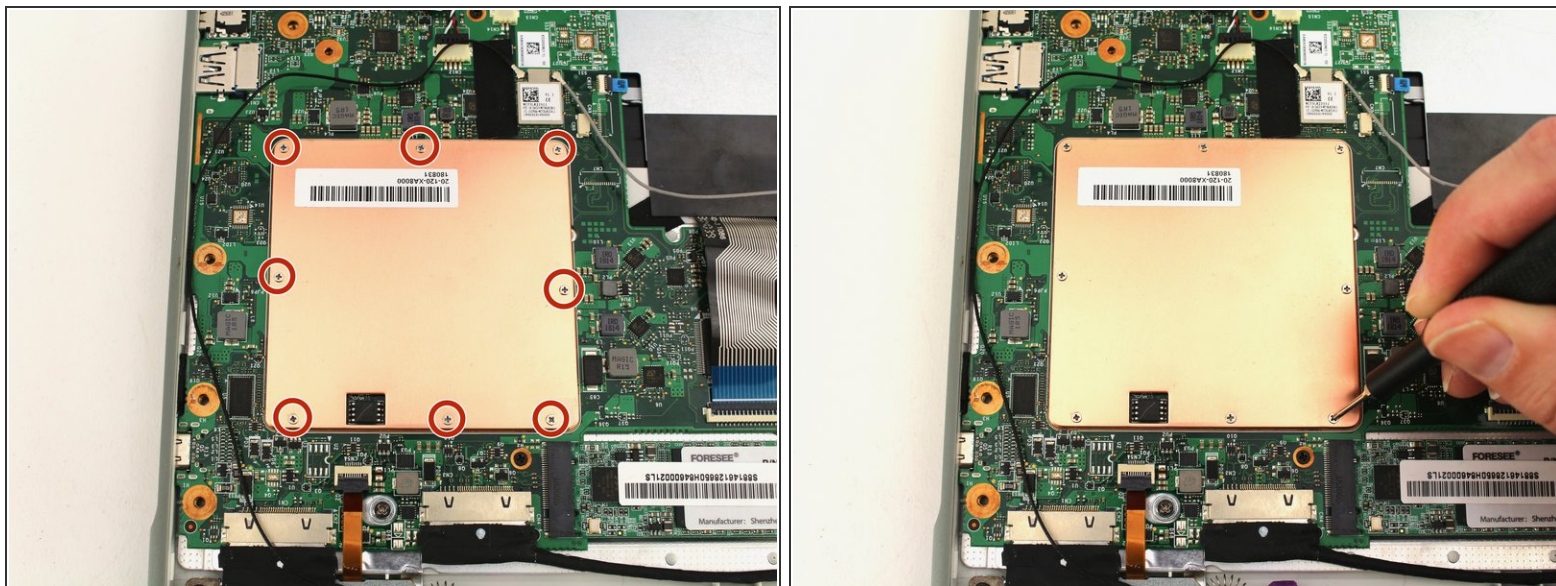
Step 4 — Battery

- (i) There may be black tape inside your device covering components or holding down wires. This tape is unimportant for the function of the device, and can be removed.

- Carefully wiggle the battery cable to the right and out of the port with a plastic spudger.
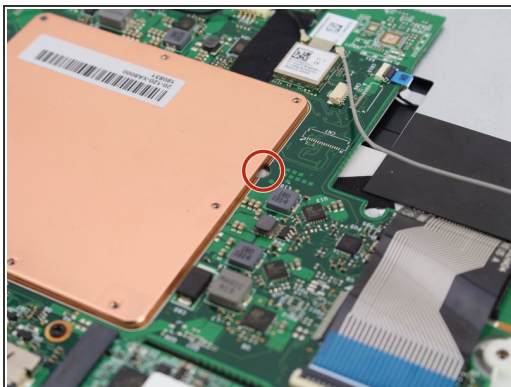
Step 5

- Wedge a plastic spudger underneath the battery from the upper edge and slide it carefully along the length of the battery to separate it from the case.

- (i) There is a mild adhesive holding down the battery. Take care not to puncture or excessively bend the battery while freeing it from the adhesive.

- Lift the battery out from the internal case.
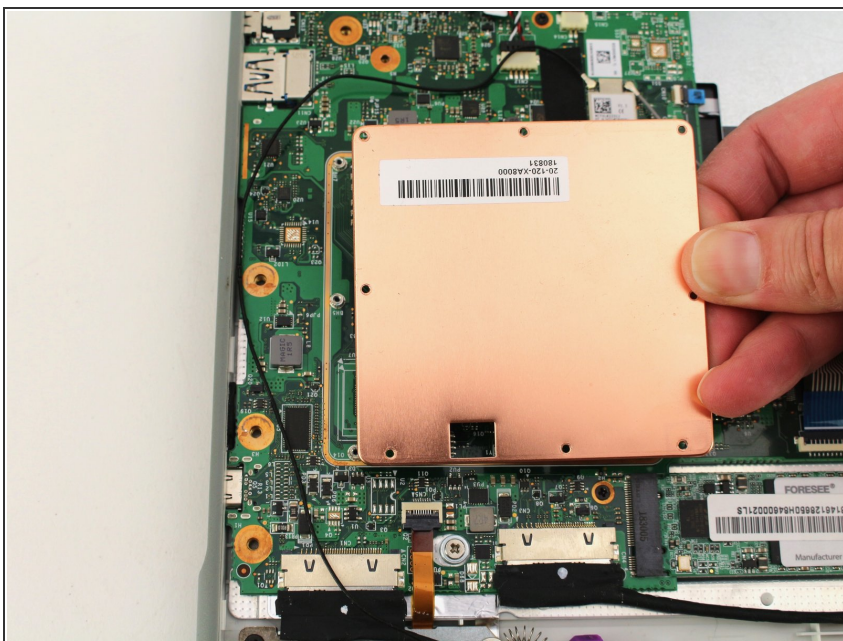
Step 6 — Heatsink

- Remove the eight 2.8 mm screws from the heatsink with a Phillips #00 screwdriver.

Step 7

- Insert the tip of a spudger into the small gap along the right side edge of the heatsink and pry upward to free it from the clips.

Step 8

- Lift the heatsink up from the motherboard.

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

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