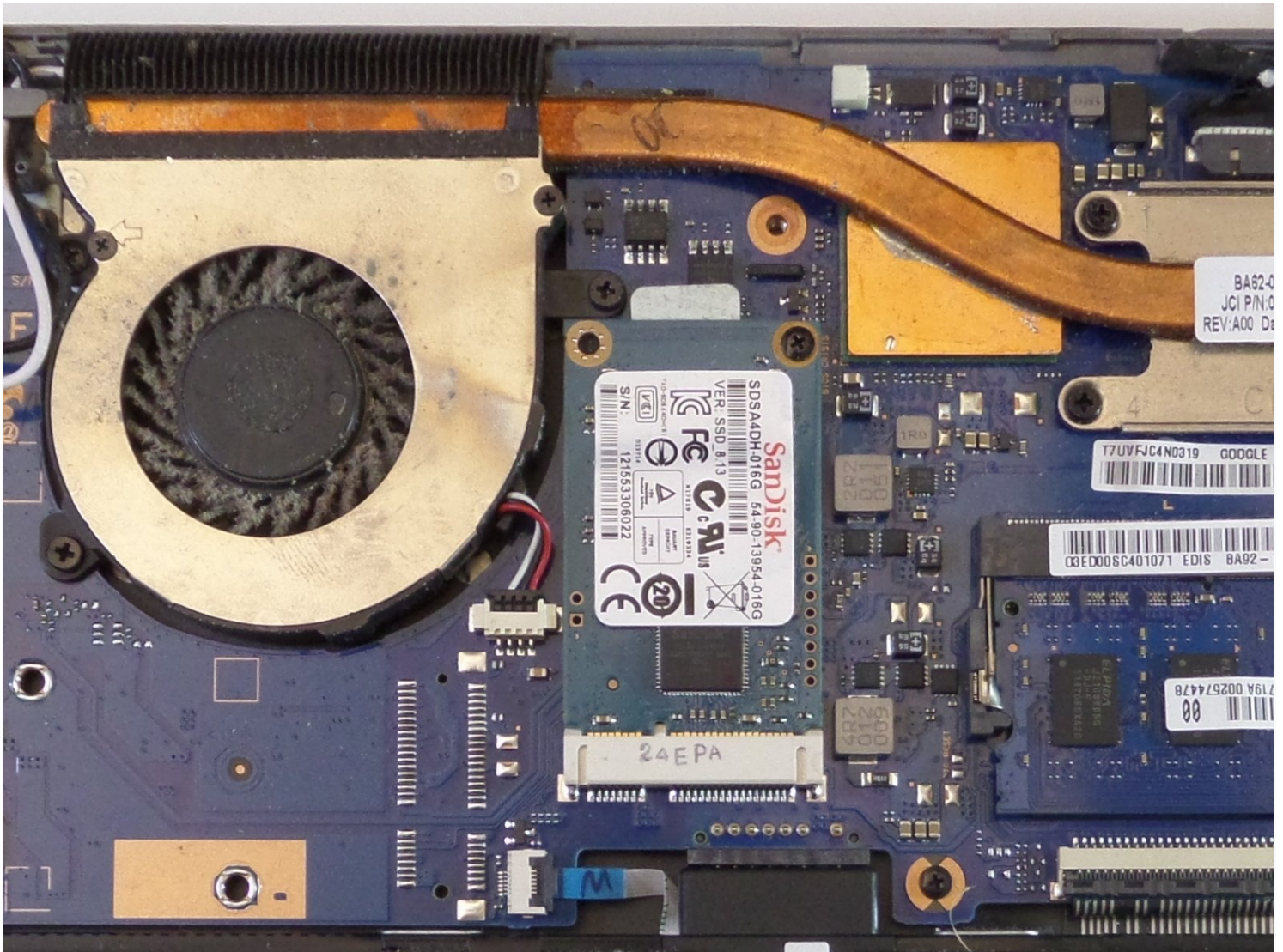




Samsung Chromebook XE550C22 Cooling Fan Replacement

After a period of time, the device might run...

Written By: Linh Luu



INTRODUCTION

After a period of time, the device might run too hot, this guide will help to clean up or replace the cooling fan for the Samsung Chromebook XE550C22.

TOOLS:

JIS #0 Screwdriver (1)

Metal Spudger (1)

Tweezers - Pro/ESD/Angled (1)

Spudger (1)

Step 1 — Back Panel



 Turn the power off before beginning this step.

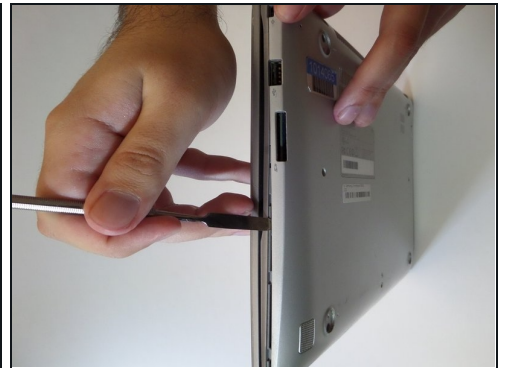
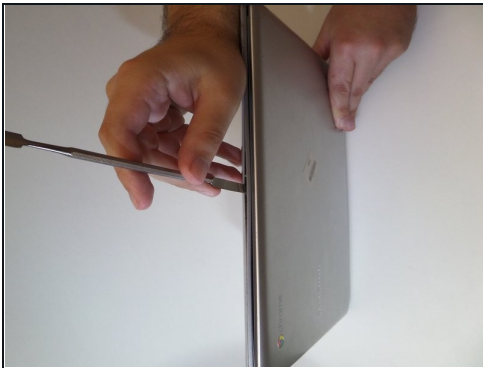
- Using the spudger, remove the four 1/2 inch skid pads from the back of the laptop.

Step 2



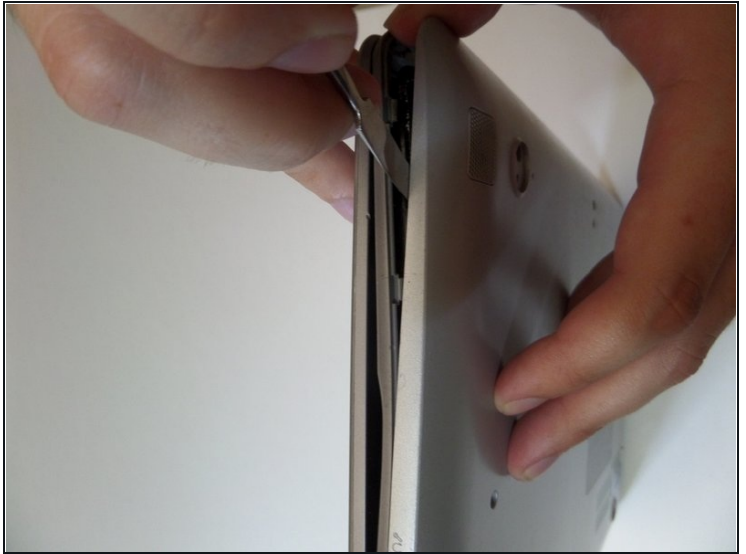
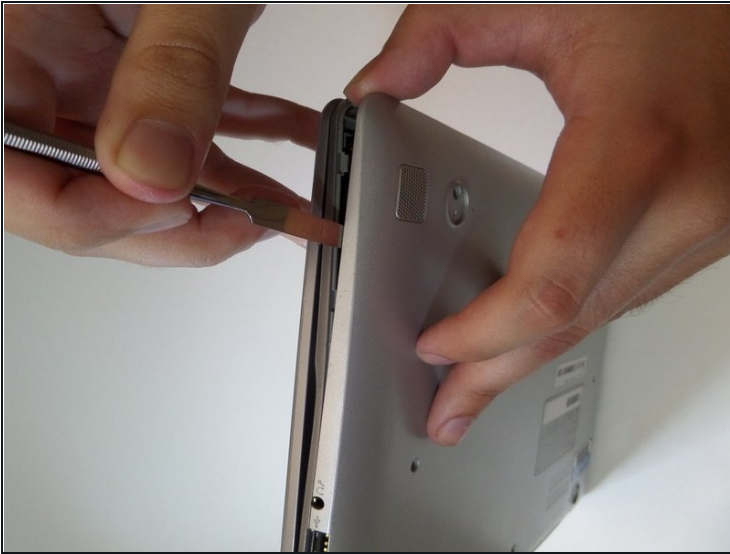
- Remove the eight 7mm screws using the J0 Screwdriver.

Step 3



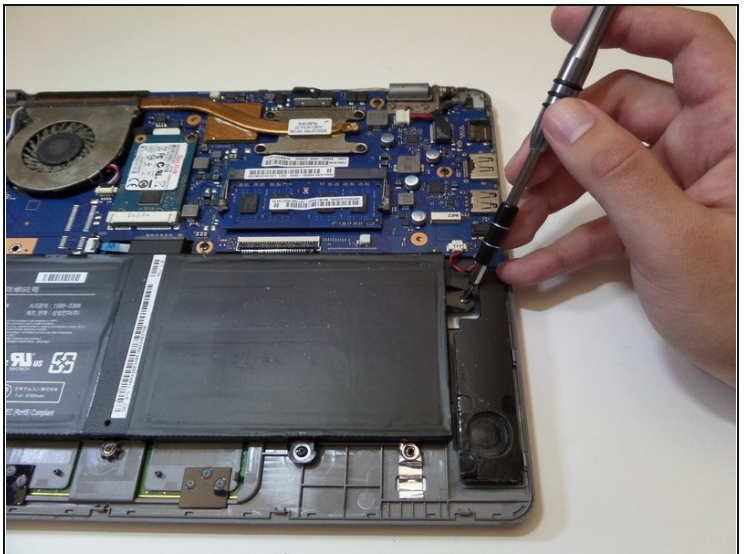
- Starting at the center front of the laptop, insert the metal spudger between the keyboard panel and the bottom panel, separating the bottom panel from the laptop.
- Continue prying around the sides to release more brackets.

Step 4



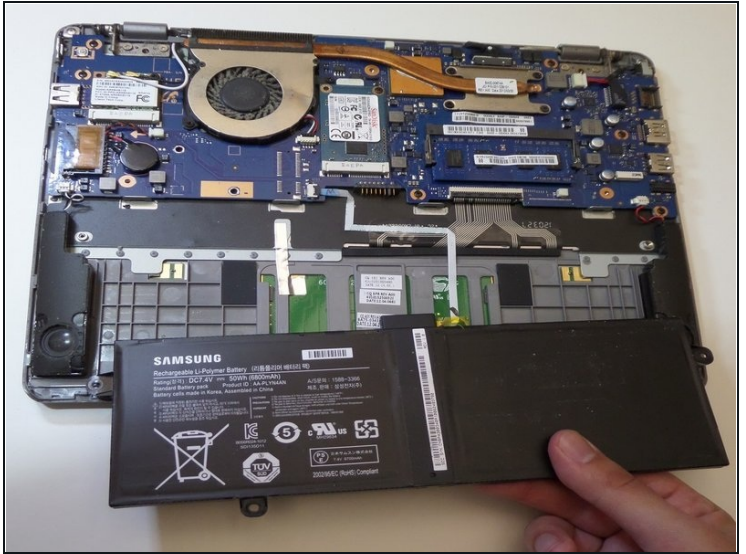
- After disconnecting all the brackets, pull the back panel away from the laptop.
- ⓘ Note: The back panel has some flex to it, don't be afraid to use some force.

Step 5 — Battery



- Remove the four 3mm screws holding the battery with the J0 screwdriver.

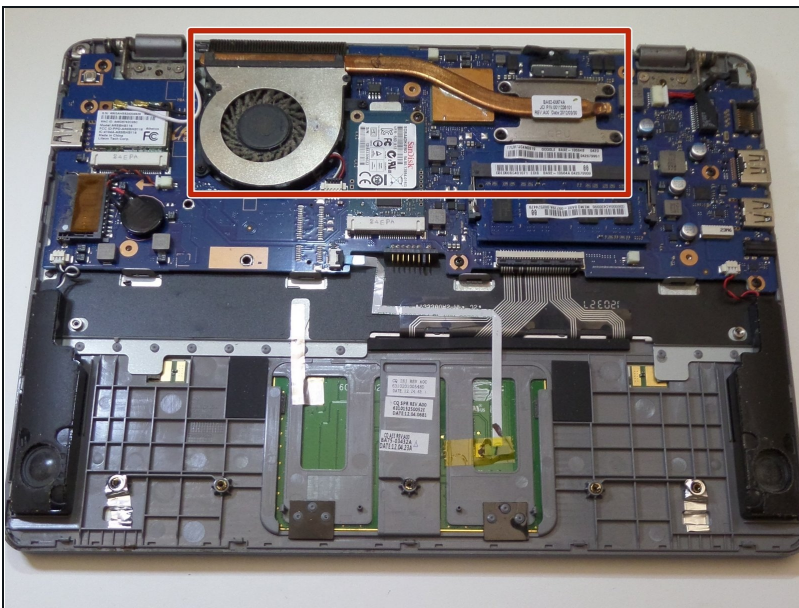
Step 6



- Lift the battery up at an angle to disconnect the battery from the motherboard, then pull it away from the laptop.

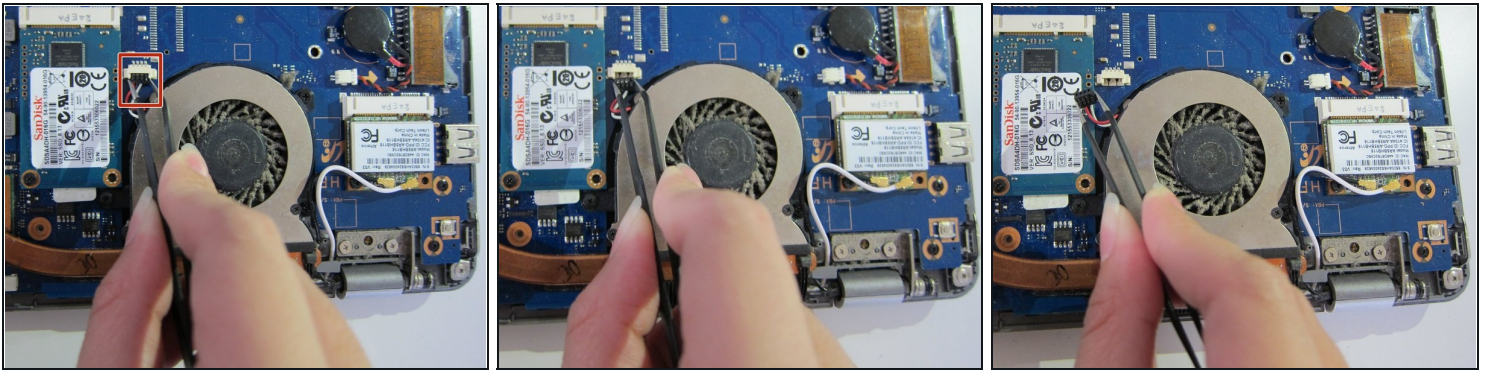
⚠ Do not lift the battery straight up. This will damage the battery's connectors.

Step 7 — Cooling Fan



- Locate the cooling fan and the heat sink on the top center of the Chromebook.

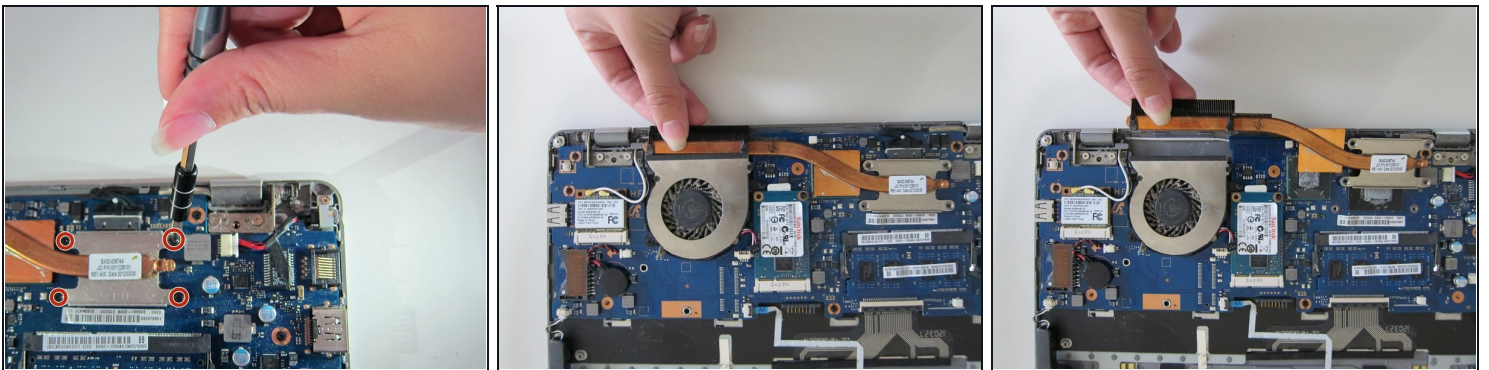
Step 8



- Rotate the Chromebook 180 degrees so the fan is closest to you, and locate the fan power cable.
- Disconnect the fan cable from the motherboard with the angled [tweezers](#).

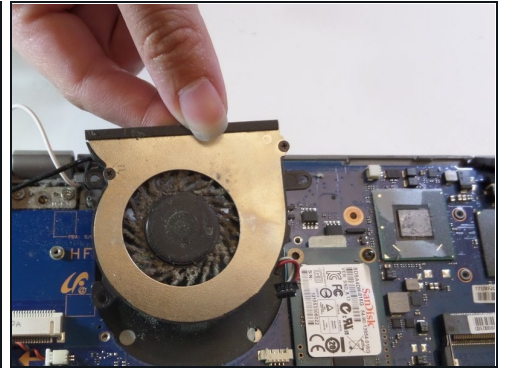
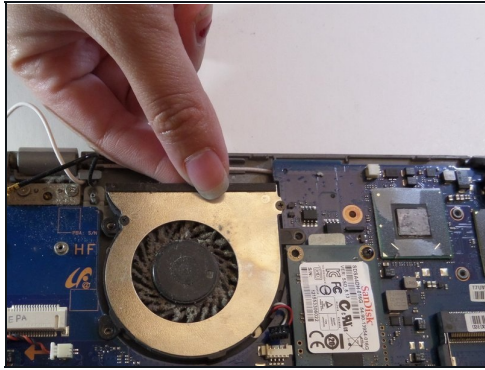
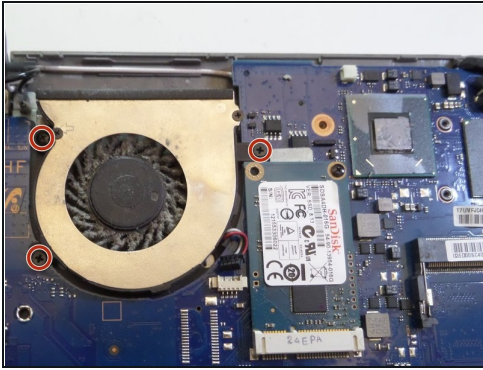
⚠ Be gentle and do not pull out the fan cable with excessive force. It will result with a non-working cooling fan and a damaged wire.

Step 9



- Remove four identical 6mm screws from the heat sink labelled CPU using the J0 screwdriver.
- Using your hands, gently lift up and pull away the heat sink.

Step 10



- Remove the three identical 6mm screws from around the fan using the J0 screwdriver.
- Using your hands, gently lift up the fan and pull it away from the laptop.

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