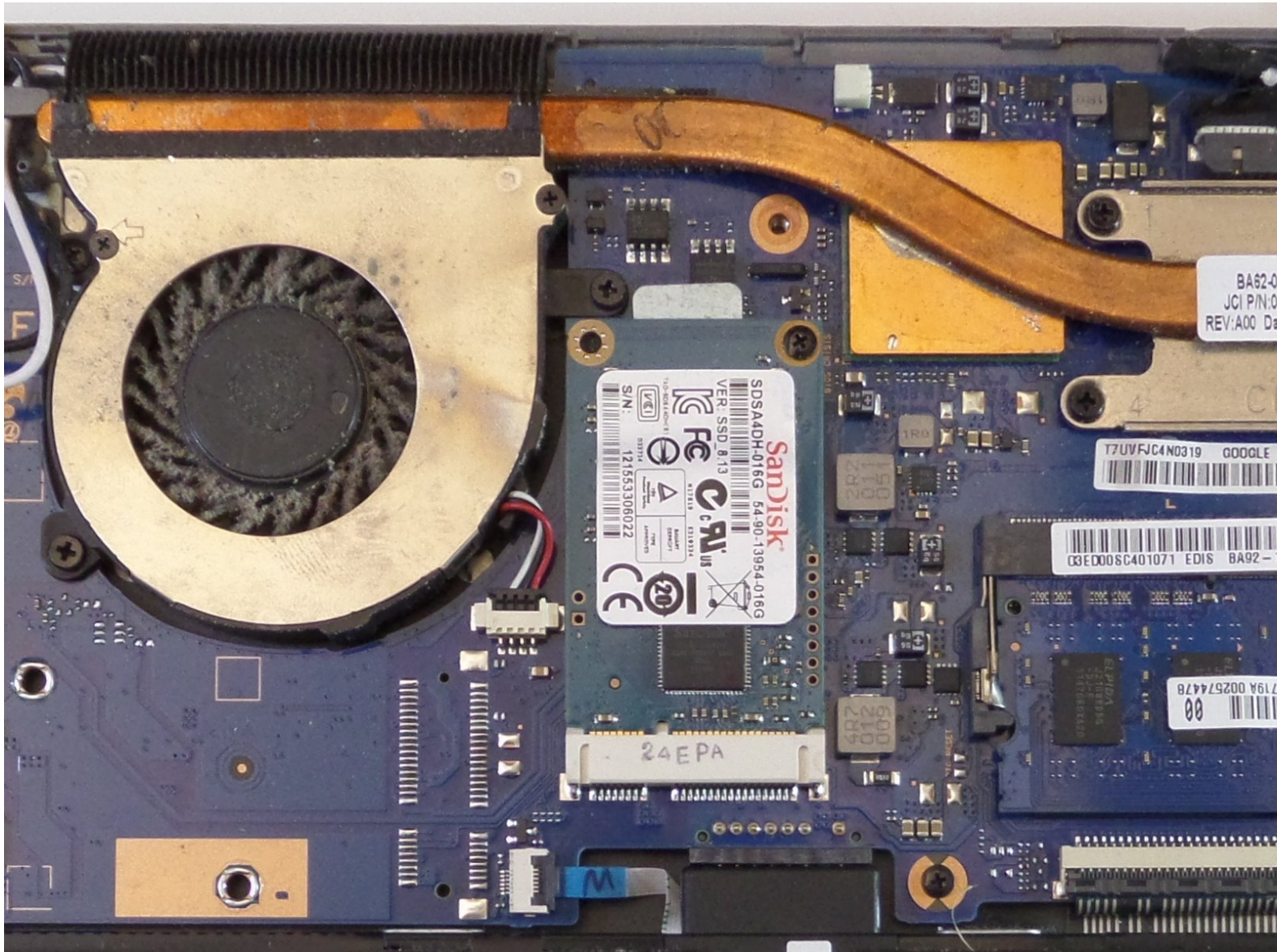# Samsung Chromebook XE550C22 Cooling Fan Replacement

Replace the cooling fan on a Samsung Chromebook XE550C22

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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)

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www.iFixit.com

Step 1 — Back Panel

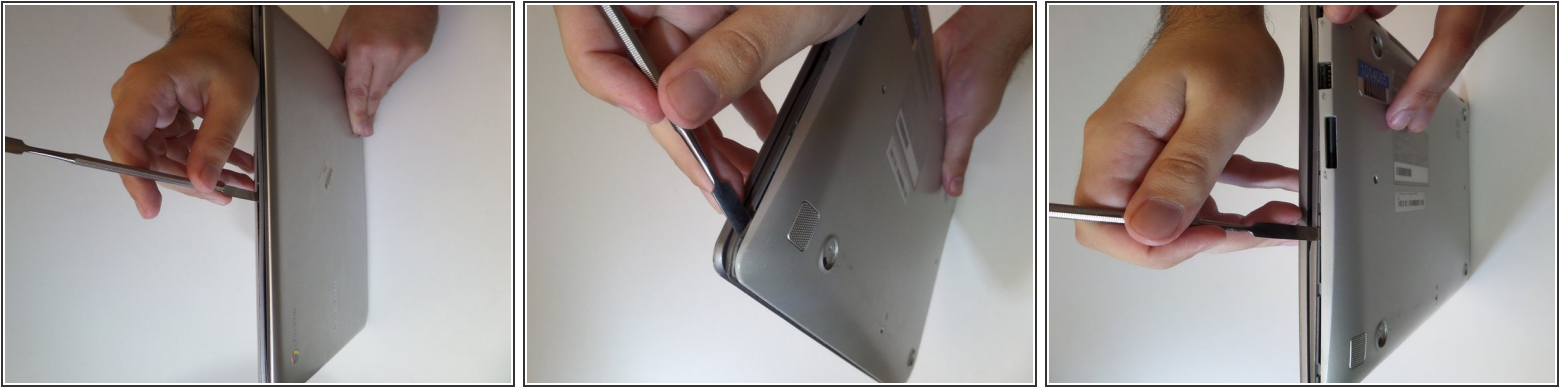
⚠ Turn the power off before beginning this step.

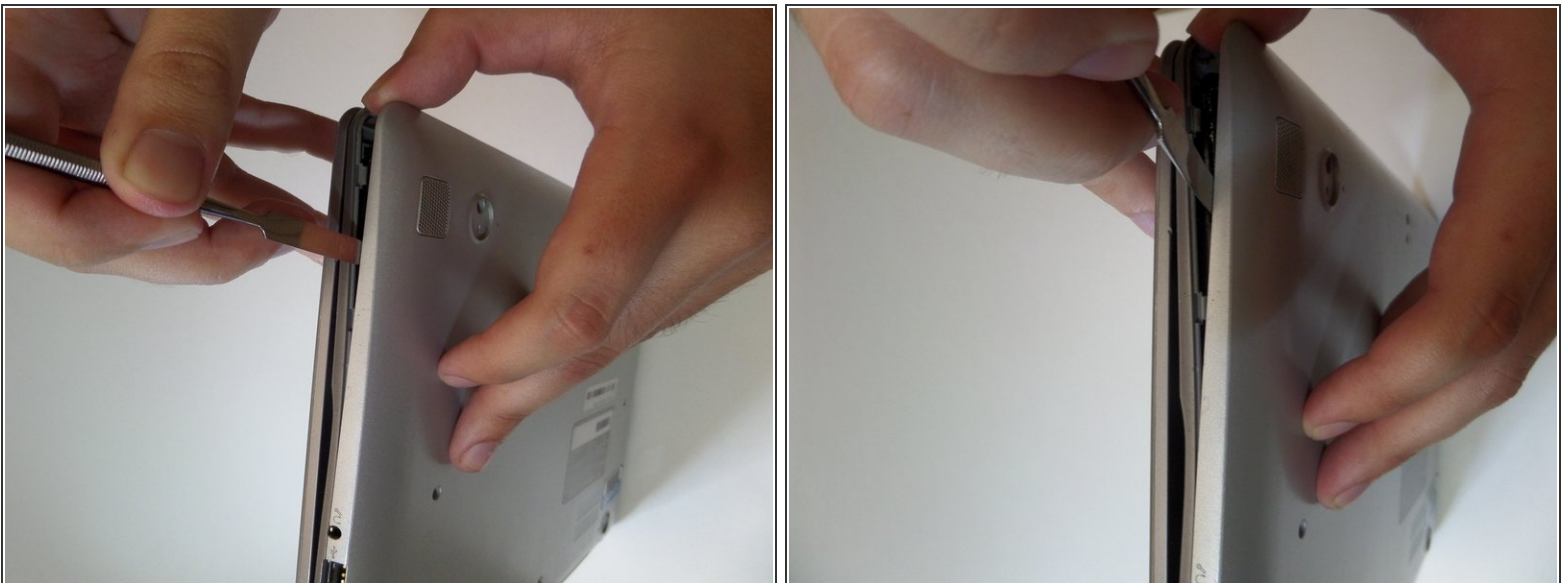● Using the spudger, remove the four 1/2 inch skid pads from the back of the laptop.

Step 2

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

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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.

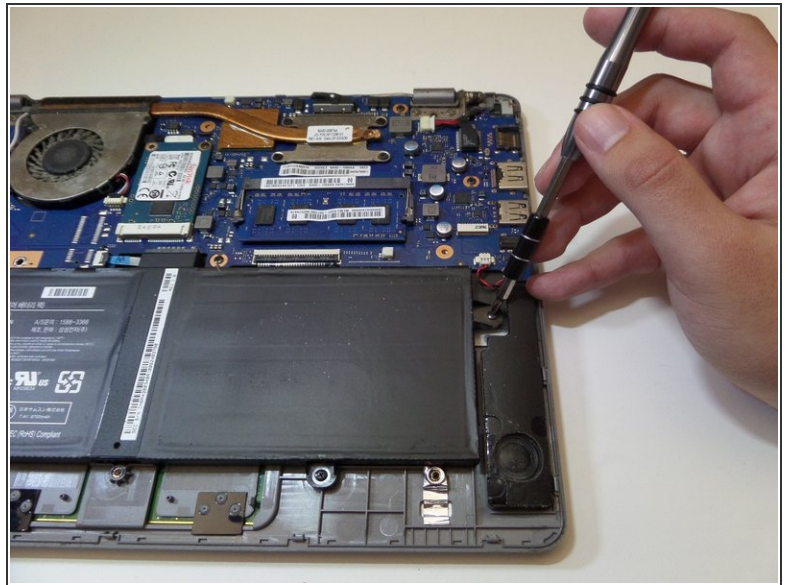- Continue prying around the sides to release more brackets.

Step 4

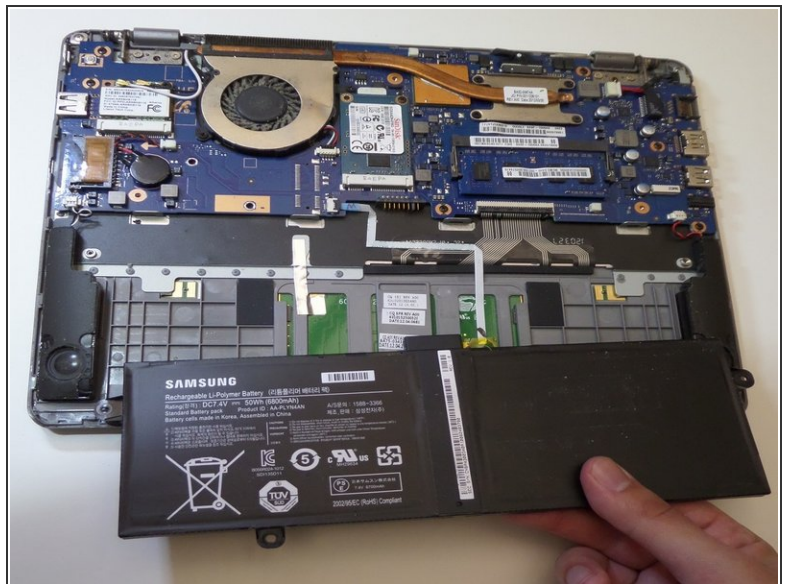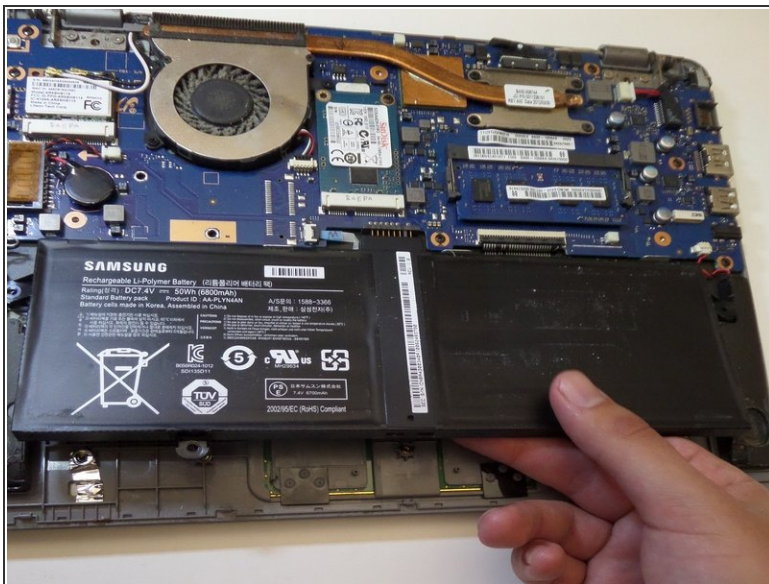- After deconnecting all the brackets, pull the back panel away from the laptop.

- (i) Note: The back panel has some flex to it, don't be afraid to use some force.

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Step 5 — Battery

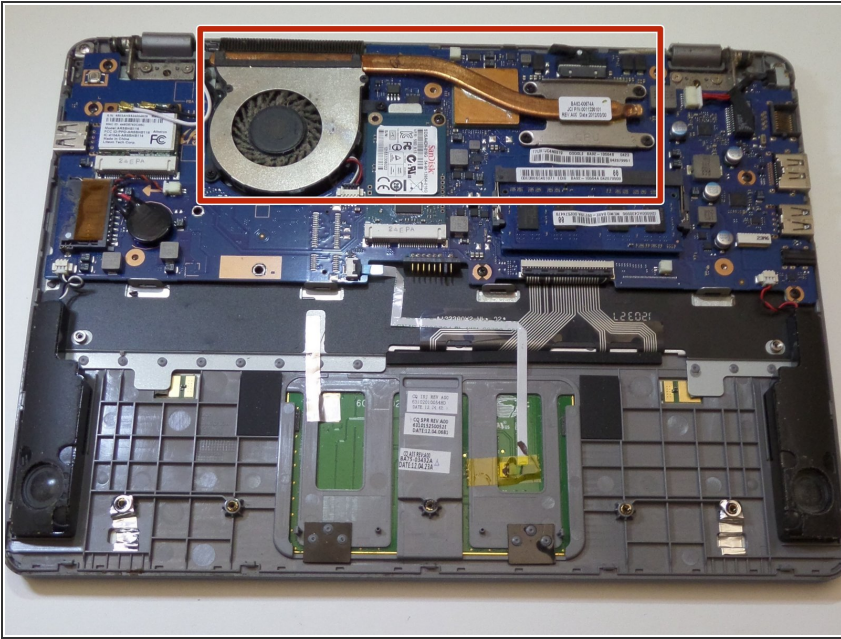- Remove the four 3mm screws holding the battery with the J0 screwdriver.

Step 6

- Lift the battery up at an angle to disconnect the battery from the motherboard, then pull it away from the laptop.
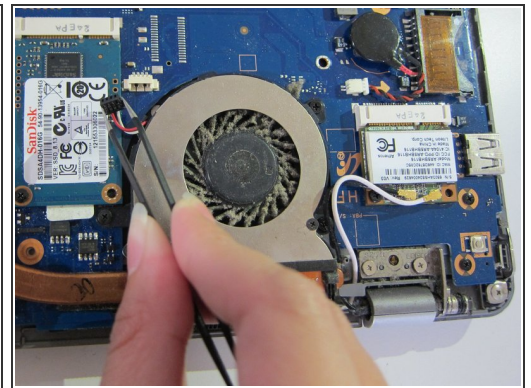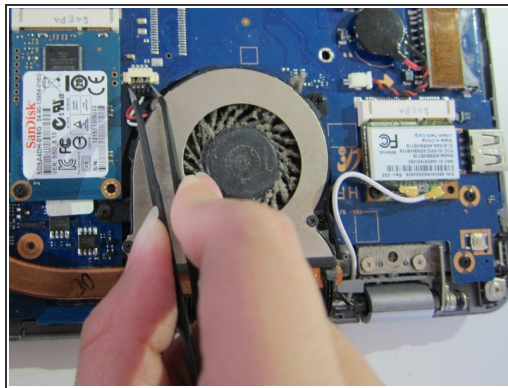
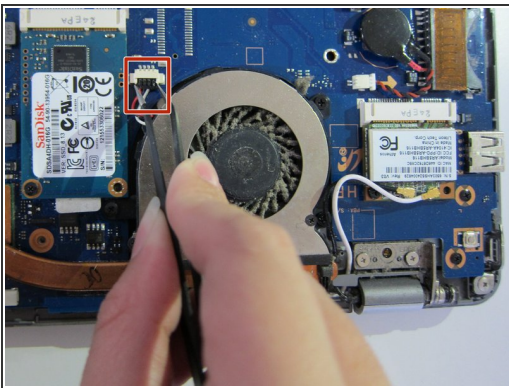⚠️ Do not lift the battery straight up. This will damage the battery's connectors.

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Step 7 — Cooling Fan

- Locate the cooling fan and the heat sink on the top center of the Chromebook.
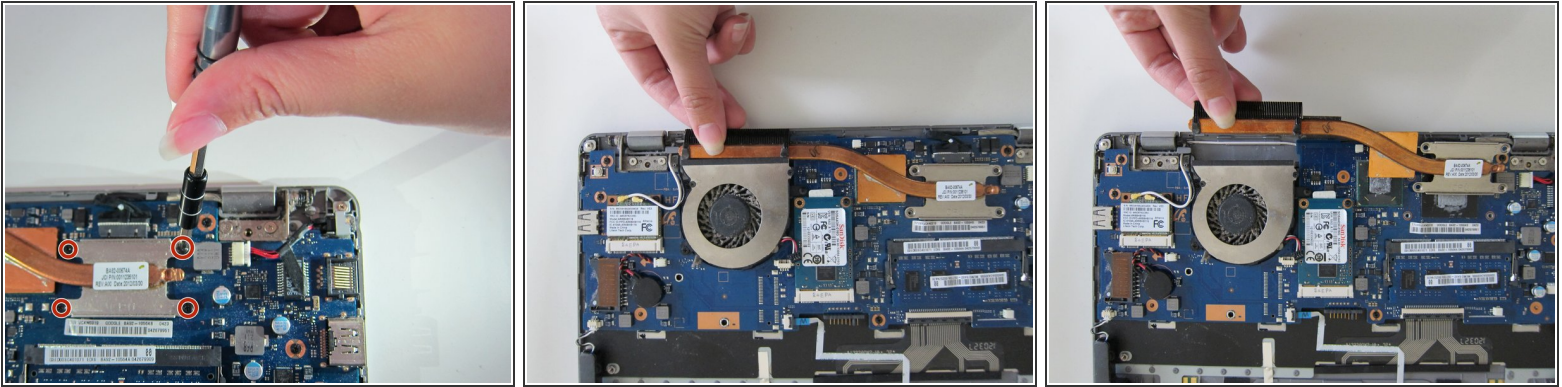
Step 8

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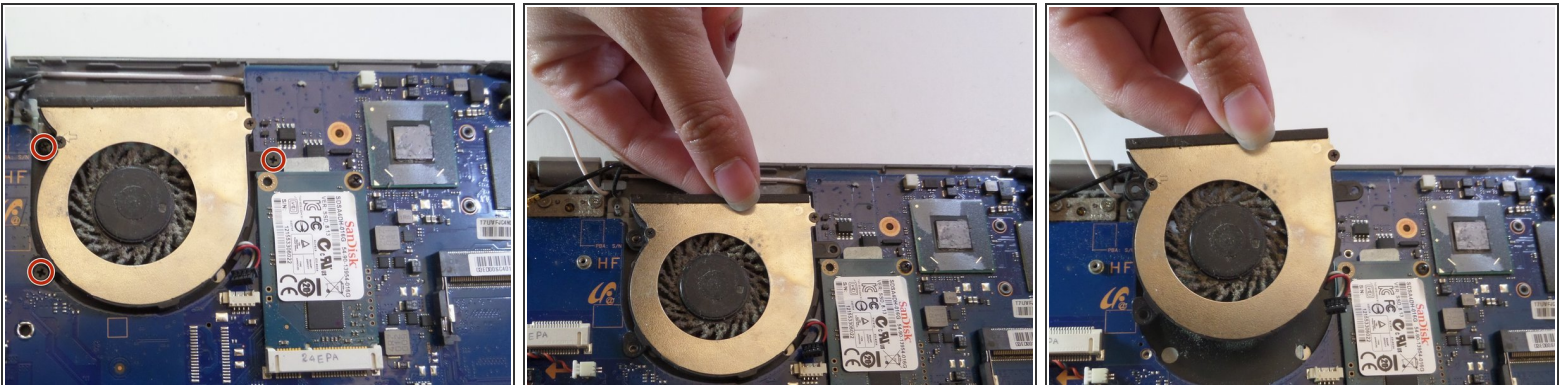
- ⚠ Be gentle and do not pull out the fan cable with excessive force. It will result with a non-working cooling fan and a damaged wire.

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.