HP 15-r137wm TouchSmart Cooling Fan Replacement
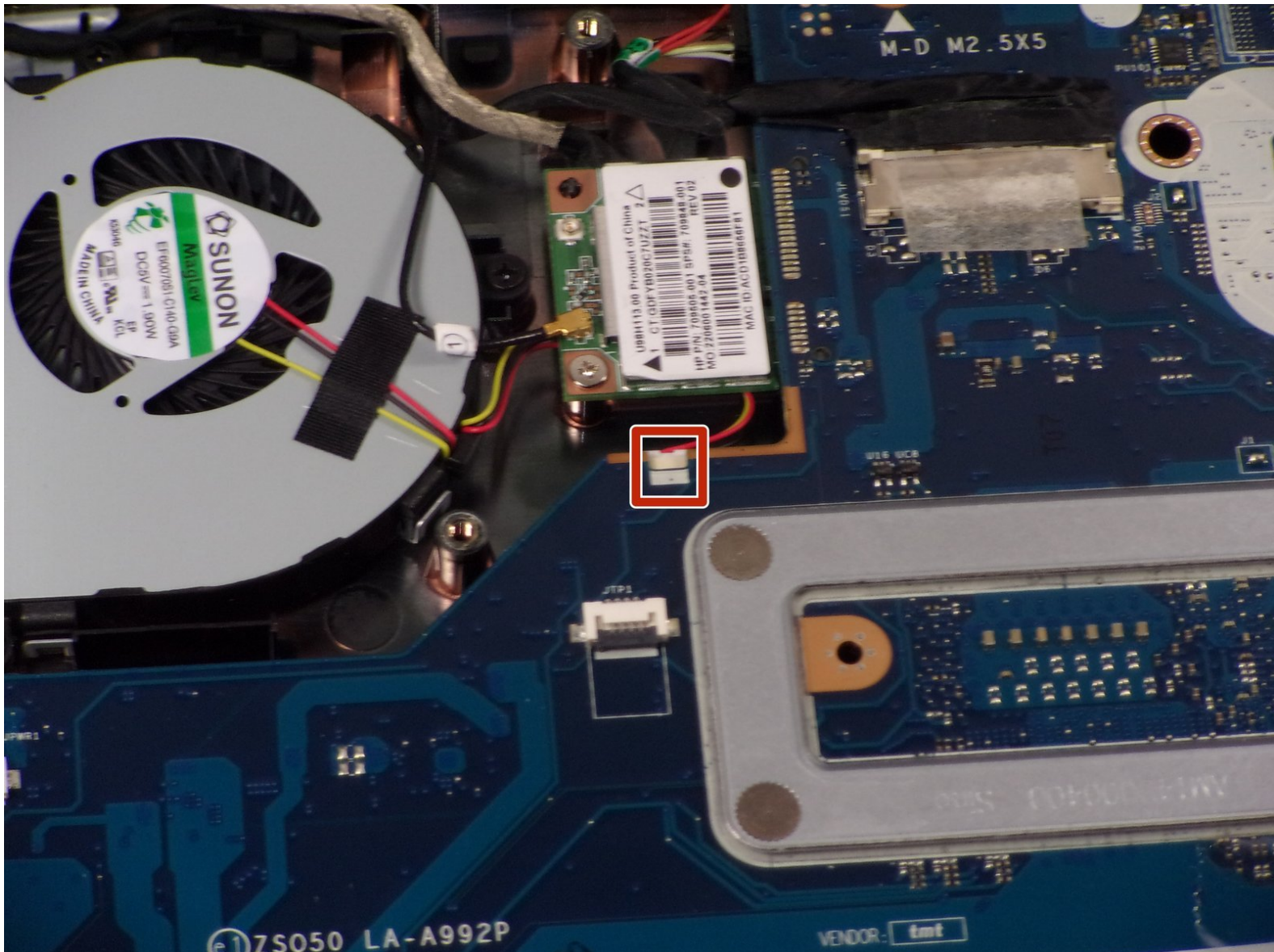
How to remove and replace the cooling fan in the HP 15-r137wm TouchSmart.

Written By: Ross B Jacques

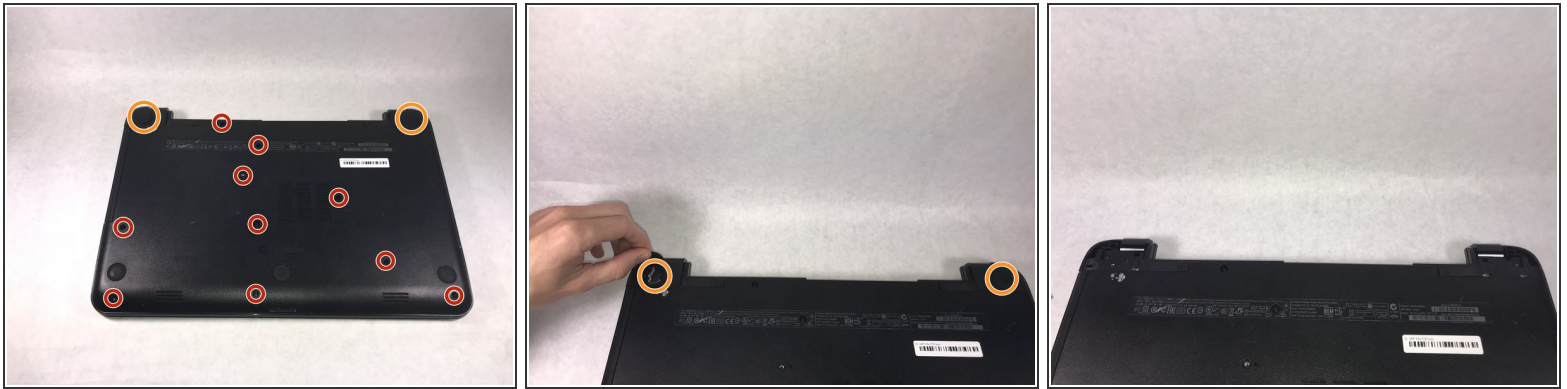This document was generated on 2019-10-11 07:55:24 AM (MST).

INTRODUCTION

In this replacement guide you will be removing and/or replacing the cooling fan inside of your HP 15-r137wm TouchSmart. The cooling fan is used to cool down internal processors so that the device does not overheat. Also, it prevents dust and other harmful substances from entering the device as it blows air outside the device.

TOOLS:

- Anti-Static Wrist Strap (1)
- iFixit Opening Tools (1)
- Phillips #0 Screwdriver (1)

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Step 1 — Front Panel Assembly

⚠ Make sure that the device is powered off and unplugged before removing components.

● Remove all ten (10) 5.5 mm Phillips #0 screws.

● Remove the two (2) plastic tabs located at the rear of the panel. Locate the two (2) 7.5mm Phillips #0 screws underneath the pads and remove.

Step 2

● Use a wide plastic opening tool to pry off the top casing.

ⓘ Be cautious not to crack the casing near the keyboard as it is quite fragile.

● Lift the cover off carefully as there are wires still attached to internal components.

⚠ After panel is removed, use an anti-static wrist strap to ensure the motherboard does not get any external shocks from static discharge.
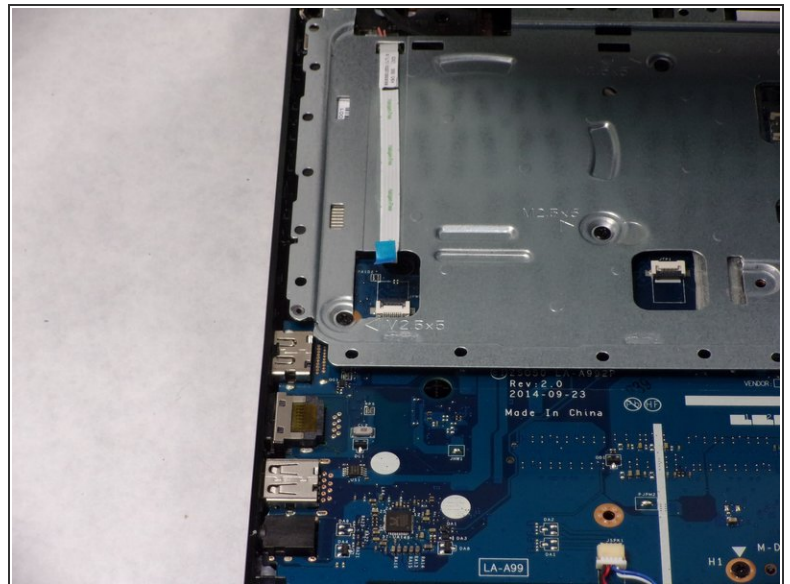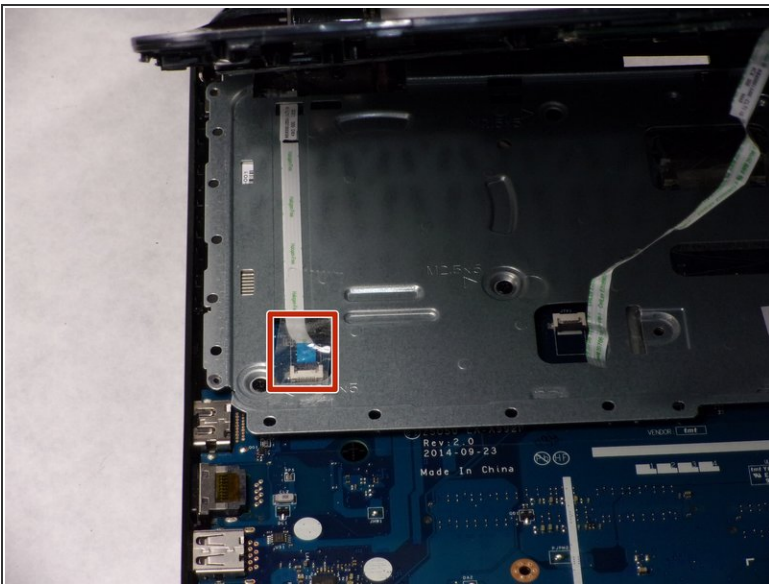
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www.iFixit.com

Step 3

⚠ The connection for the track pad is still connected.

● Move the keyboard slightly out of the way to locate the connection.

● Disconnect the small wire protruding from the motherboard underneath the metal plate.
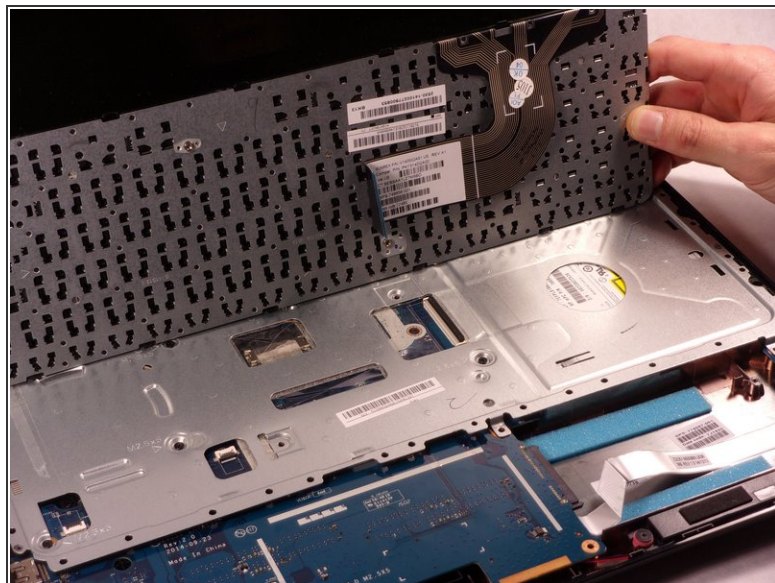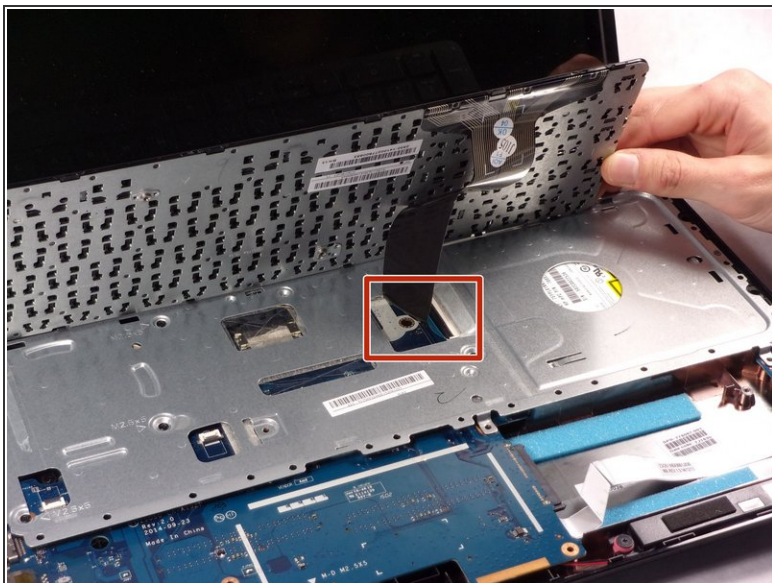
Step 4

● Locate the connection between the power button and the connecting cable.

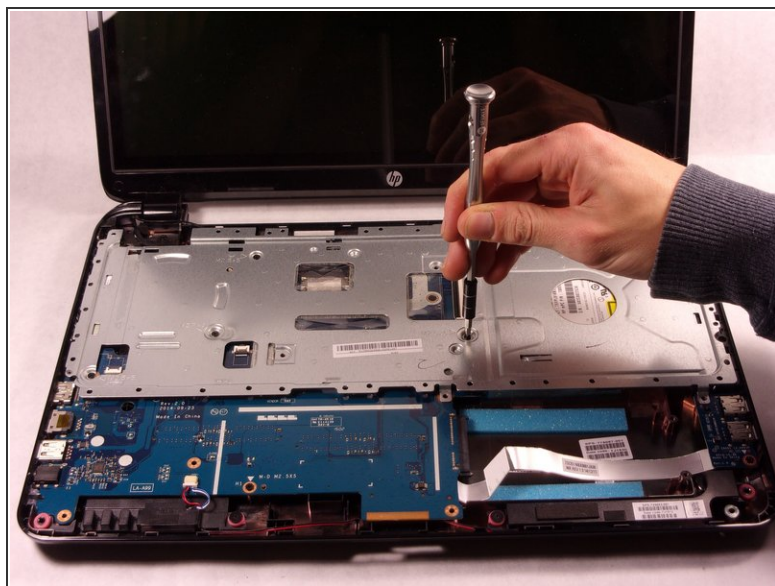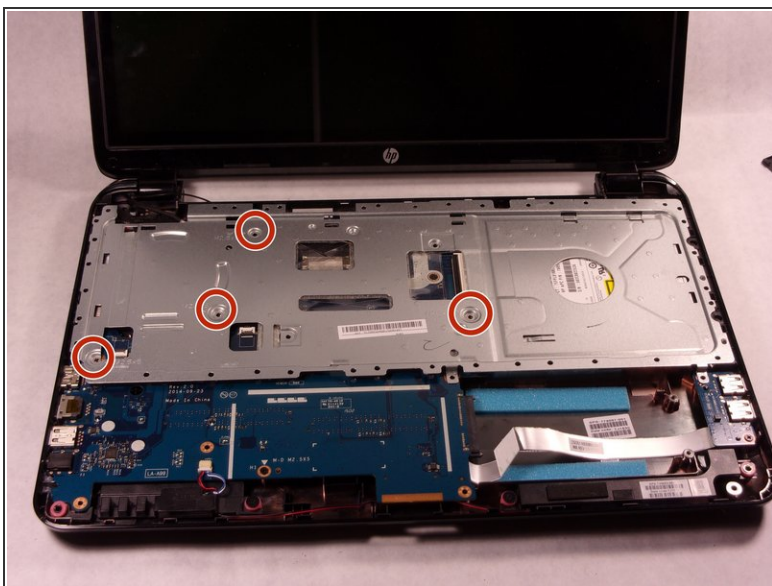⚠ Do not lift the front panel off to far as the cable is still attached.

● Remove the cable from the motherboard carefully.

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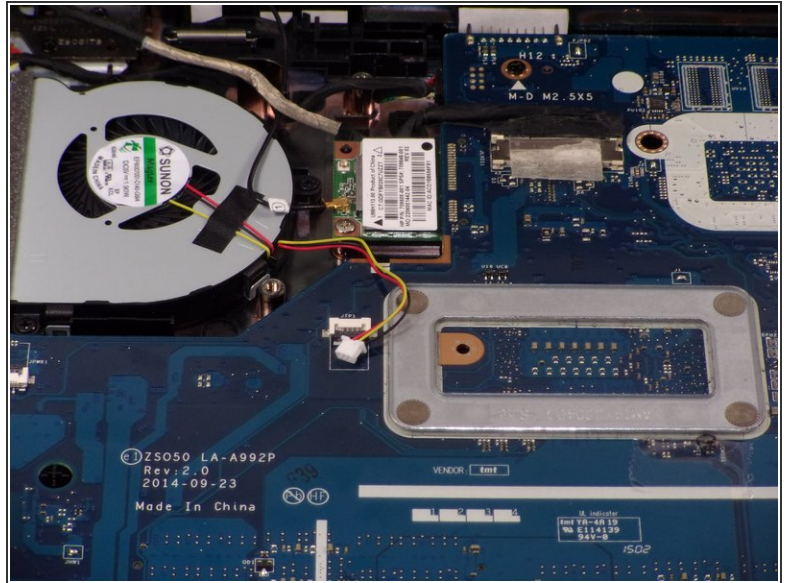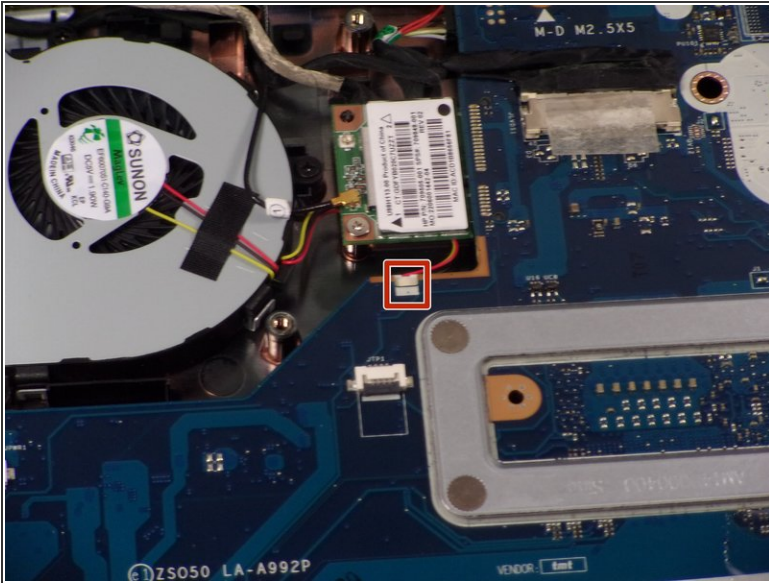
Step 5 — Keyboard

- Disconnect the connection between the keyboard the the motherboard.

Step 6

- Remove the four (4) 2.5mm by 3.5mm Phillips #0 screws from the metal retaining plate.

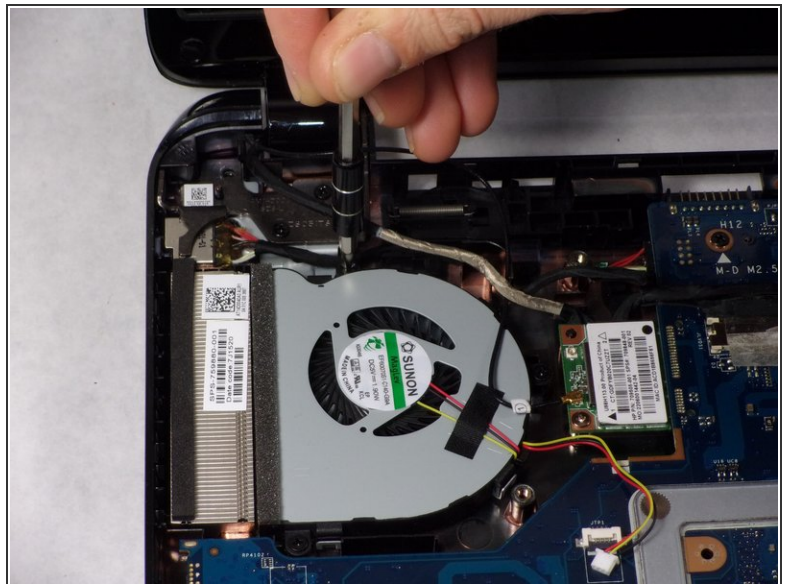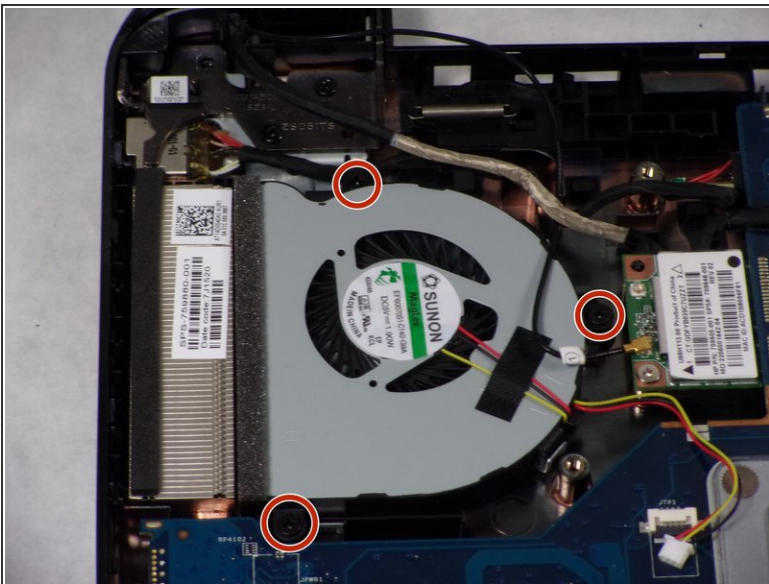- Lift the metal retaining plate off and away from the device.

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Step 7 — Cooling Fan

- Locate the small connection on the motherboard and disconnect it by slowly pulling it away from the motherboard.
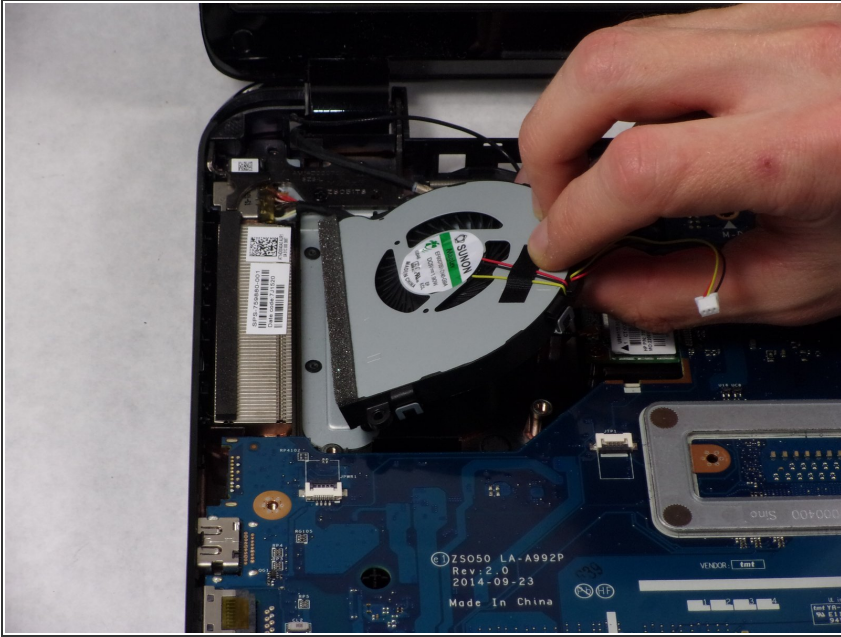
- ⓘ Slowly disconnect the cable as the wires are very small and fragile

Step 8

- Remove the three (3) 2.5mm by 3.5mm Phillips #0 screws from the fan.

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Step 9

- Remove the cooling fan from the housing carefully.

- ⓘ The fan may be connected to the small foam screen. Pull gently to release it.

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