HP 15-f009wm Cooling System Replacement

Replace your malfunctioning Cooling System in your HP 15-f009wm notebook computer.

Written By: Alex Birchler

INTRODUCTION

This guide explains how to remove the Cooling System from the HP 15-f009wm notebook computer. This could be done to replace a malfunctioning Cooling System.
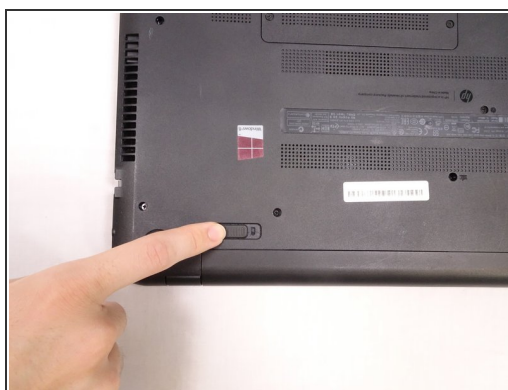
🔧 TOOLS:

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

Step 1 — Battery

- Turn laptop upside down.

- Flip the lock switch to the unlocked setting.

Step 2

- Flip the release switch.

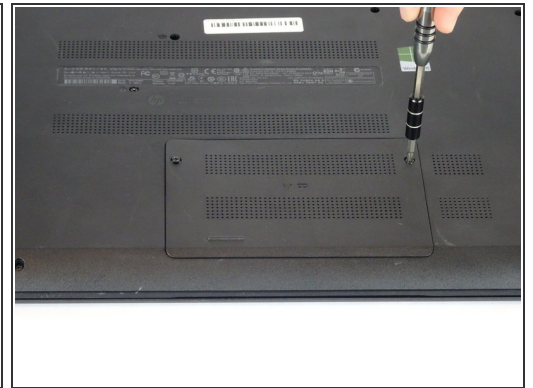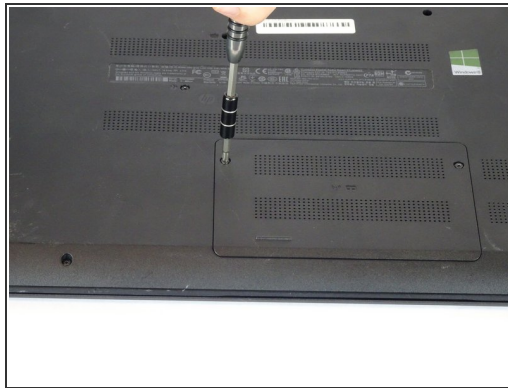- Once the flip is switched, the battery should pop out.

This document was generated on 2019-09-21 02:23:41 PM (MST).

Step 3

- Slide the battery out.

Step 4 — RAM

- Remove the two Phillips #1 screws from the RAM panel.

Step 5
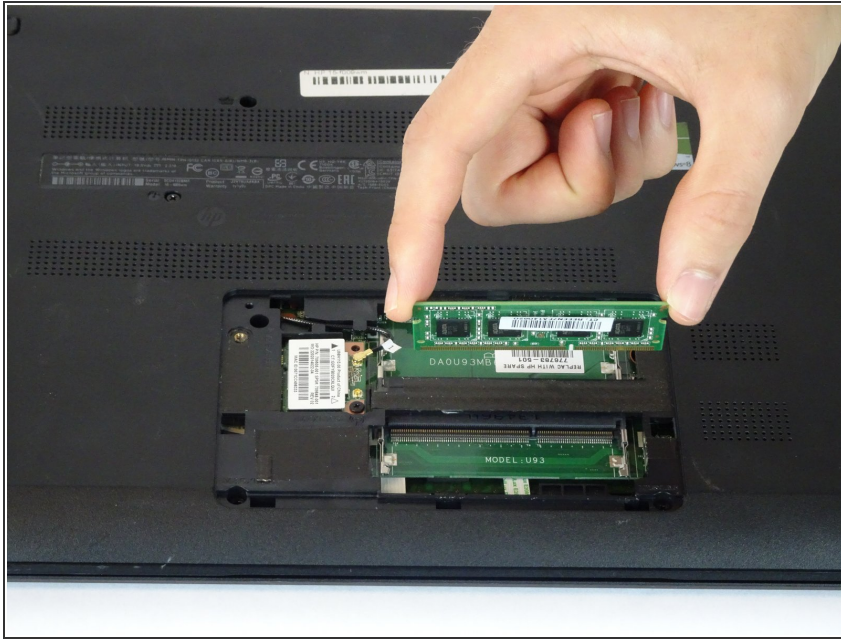

- Use the plastic opening tool to pop the panel off.

Step 6

- Release the tabs on each side of the chip by simultaneously pushing each tab away from the RAM.
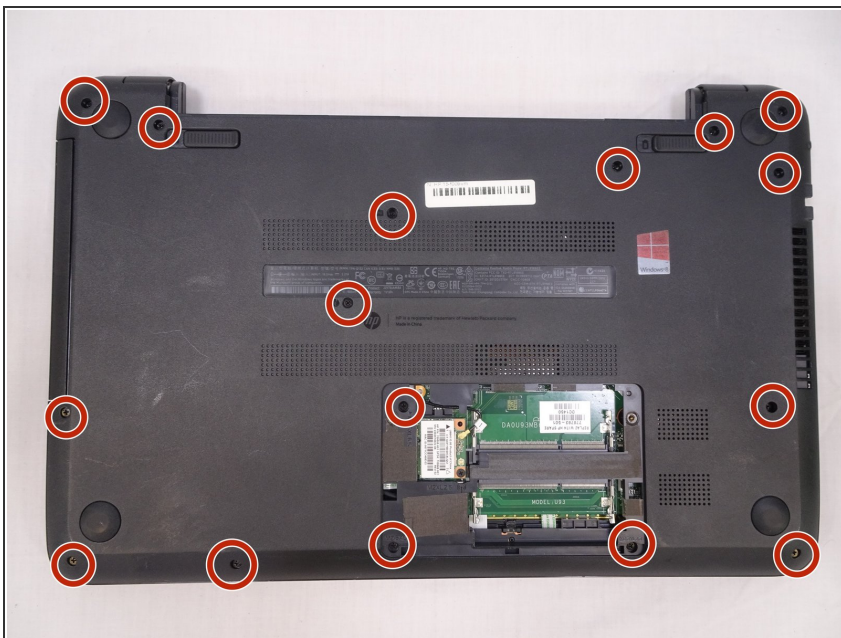
- ⓘ These tabs lock the chip in place and releasing them will cause the chip to "pop" up.

Step 7

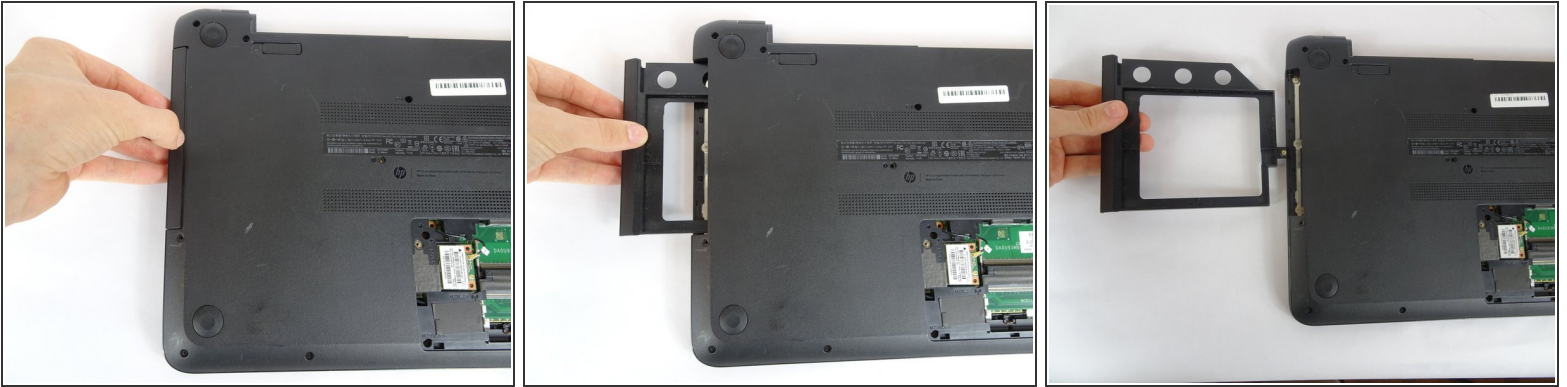- Remove the RAM chip from the laptop.

Step 8 — Hard Drive

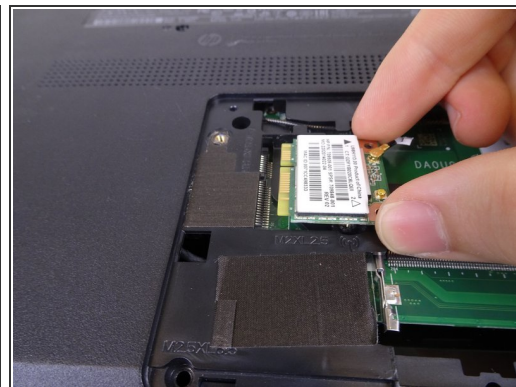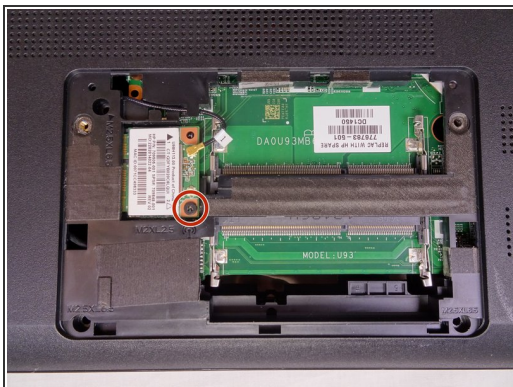- Remove the sixteen 7mm Phillips #1 screws from the bottom panel.

Step 9

- Pull the disk drive out of the laptop.

Step 10

- Remove the three 2mm Phillips #00 screws found underneath the disk drive.

Step 11

- Remove the single 4mm Phillips #1 screw from the Wi-Fi card.

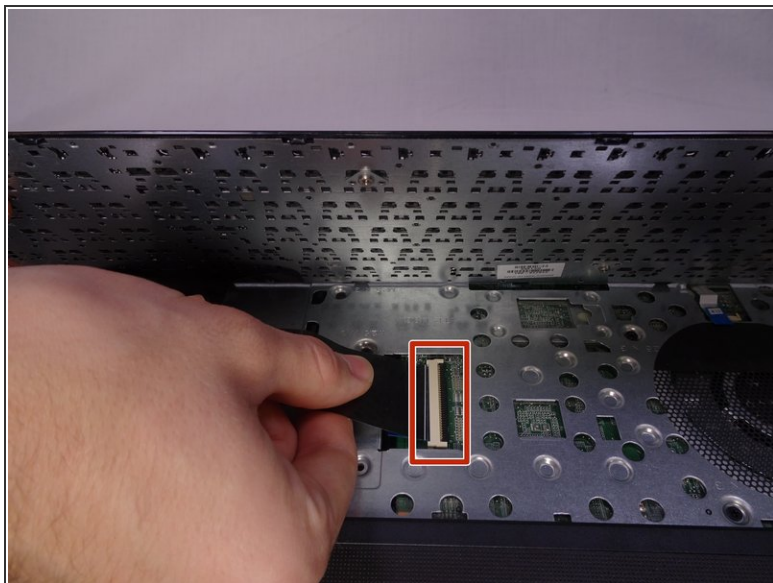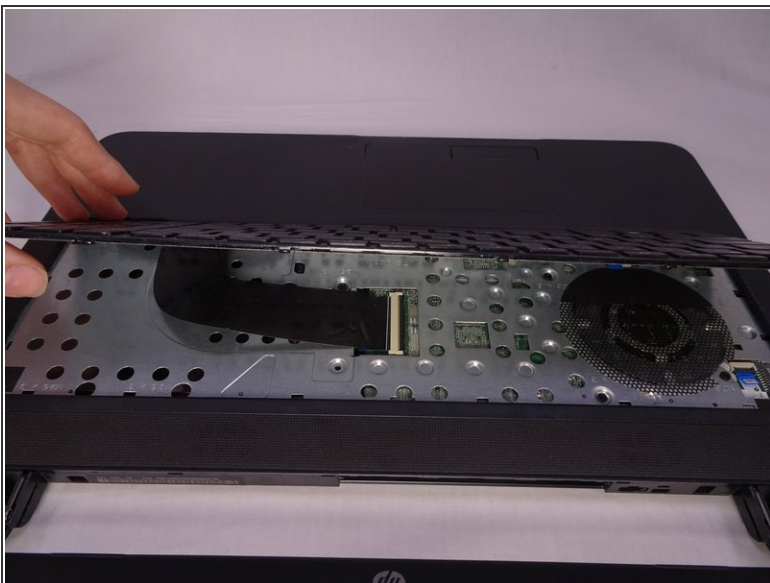- Pull the Wi-Fi card out of the motherboard.

Step 12

- Open the laptop.

- Use a plastic opening tool to pop out the keyboard by starting at the top and working your way around the perimeter.

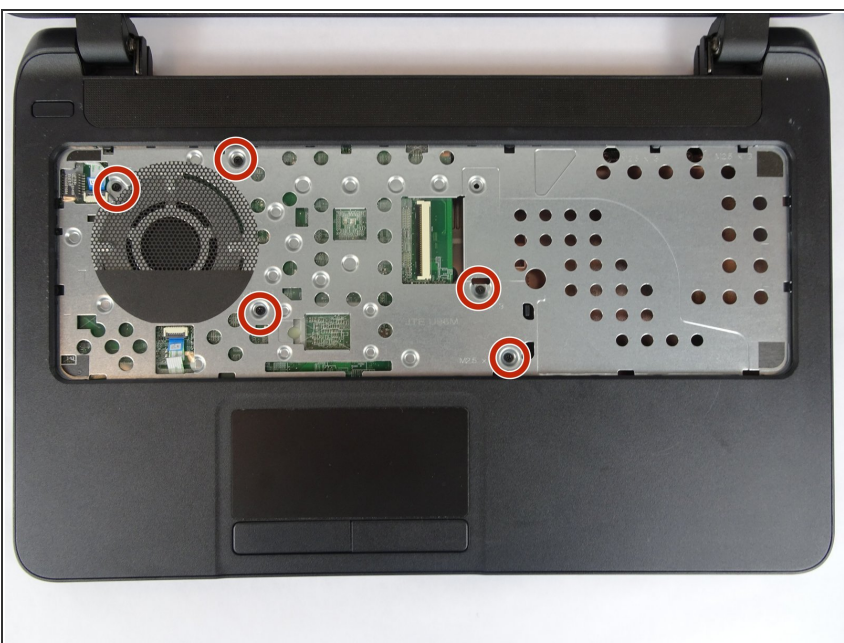This document was generated on 2019-09-21 02:23:41 PM (MST).
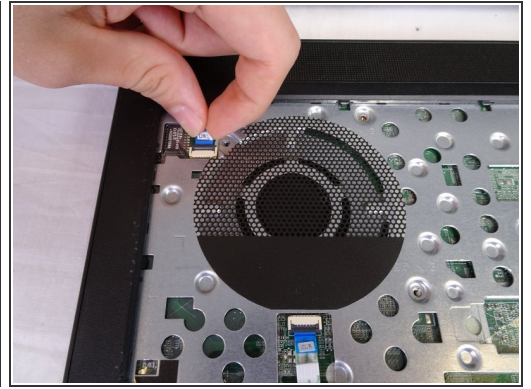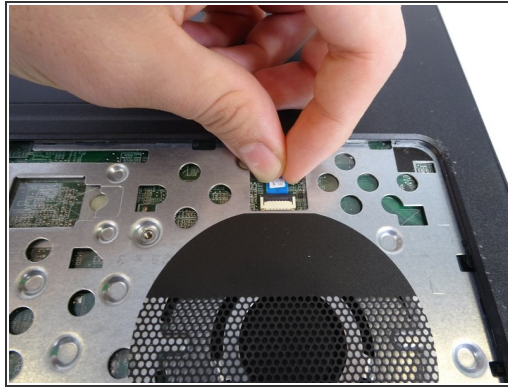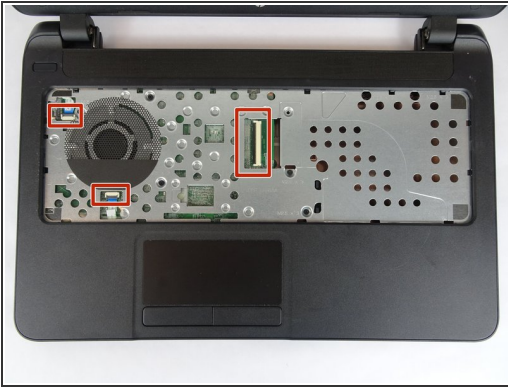
Step 13

- Open the screen up until it lays flat and rotate the laptop until the screen is closest to you.

- Lift the keyboard from the laptop.

- Use a spudger to lift up the black latch on the ZIF connector and remove the ribbon cable.
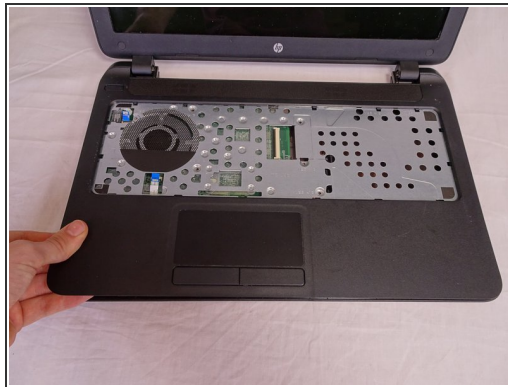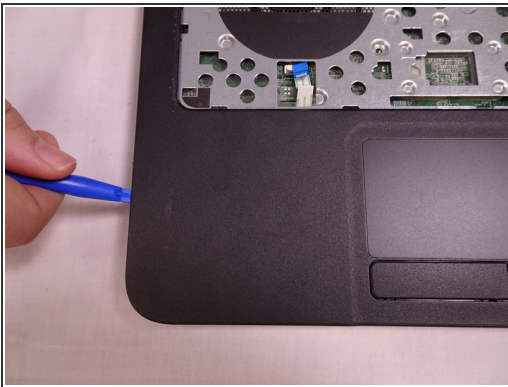
Step 14

- Remove the five 7mm Phillips #1 screws found underneath the keyboard.

This document was generated on 2019-09-21 02:23:41 PM (MST).

Step 15

- Use a spudger to lift the black tabs on the ZIF connectors.

- Remove the ribbon cables from the ZIF connectors.
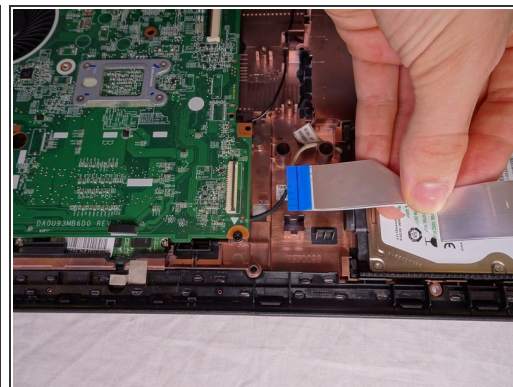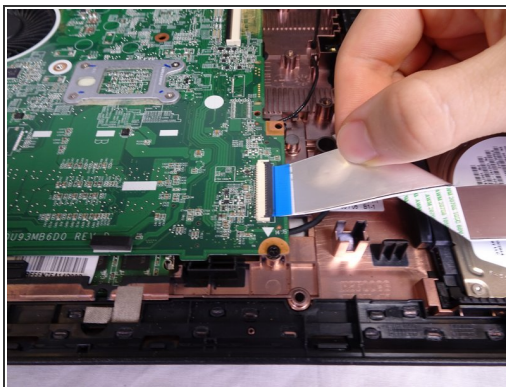
Step 16

- Use a plastic opening tool to pop the palm rest off of the laptop.

- Lift and remove the palm rest.

Step 17

- Use a spudger to lift up the black latch on the ZIF connector.

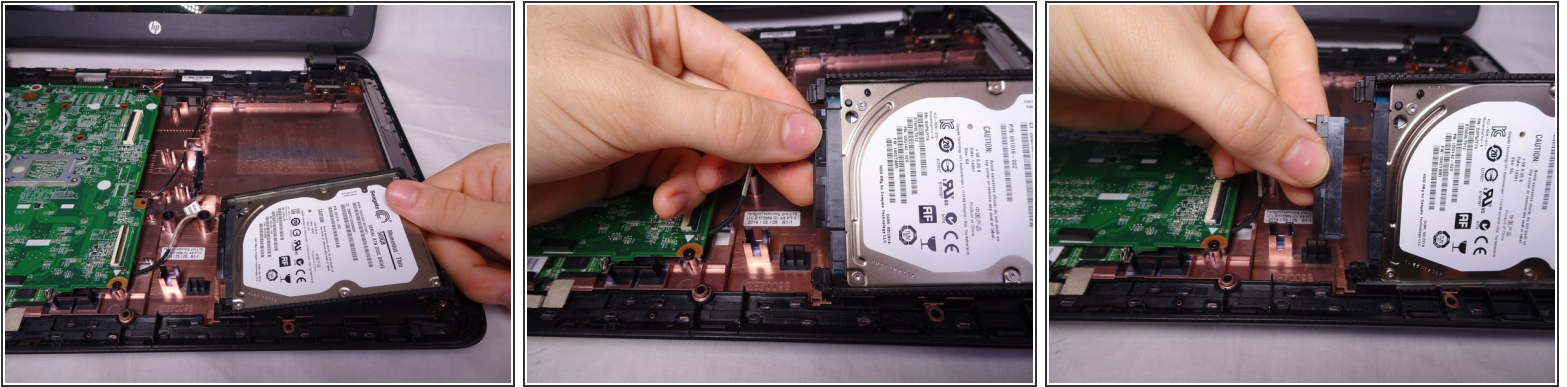- Remove the USB/AUX port ribbon cable from the ZIF connector on the motherboard.

Step 18

- Remove the single 7mm Phillips #1 screw from the USB/AUX board.

- Remove the USB/AUX board from the laptop.

This document was generated on 2019-09-21 02:23:41 PM (MST).
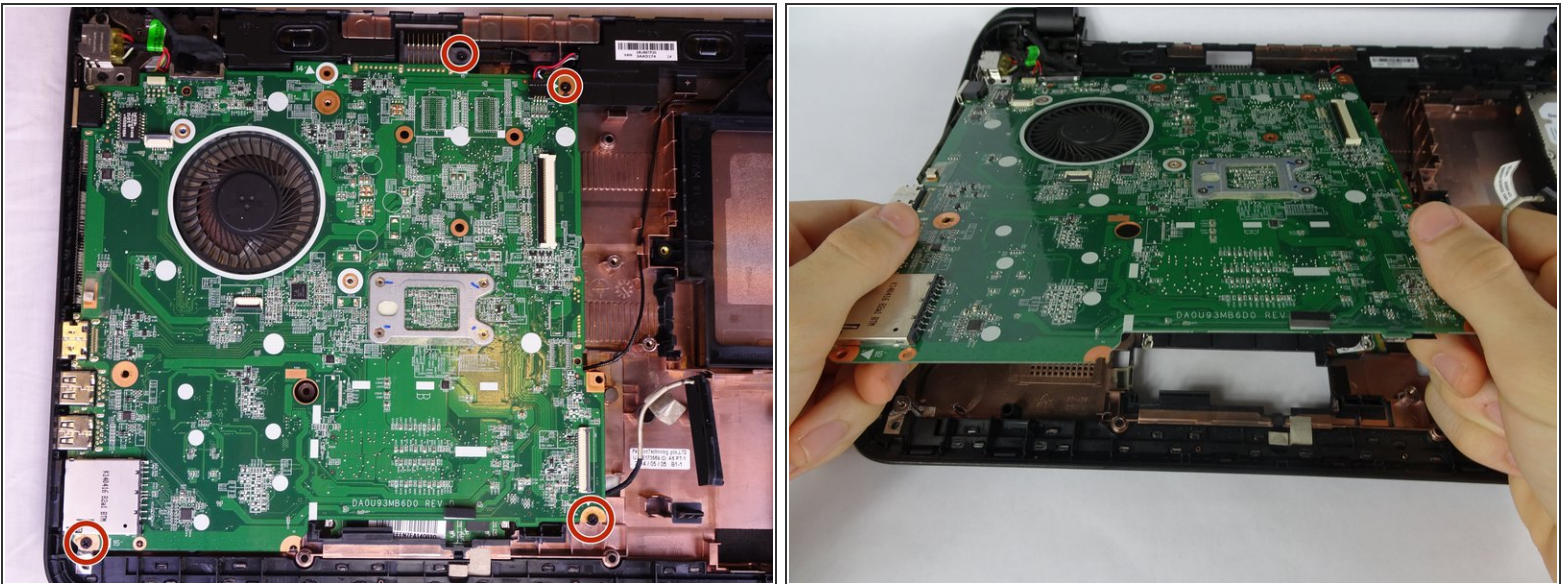
Step 19

- Lift the Hard Drive from the laptop.

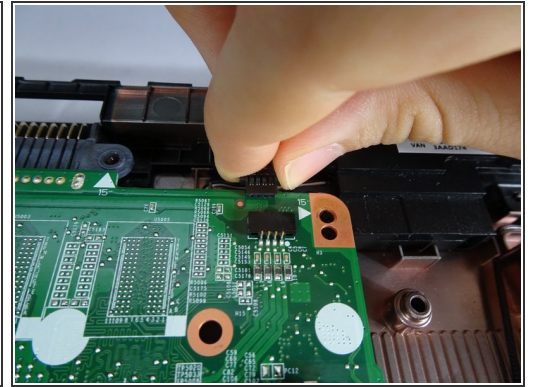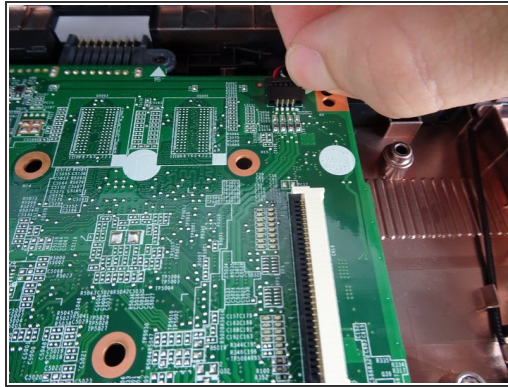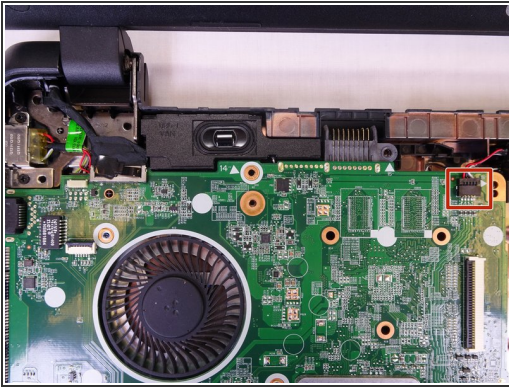- Disconnect the hard drive from the motherboard.

Step 20 — Motherboard

- Remove the four 4mm Phillips #1 screws from the motherboard.

- Lift the motherboard up from the computer.
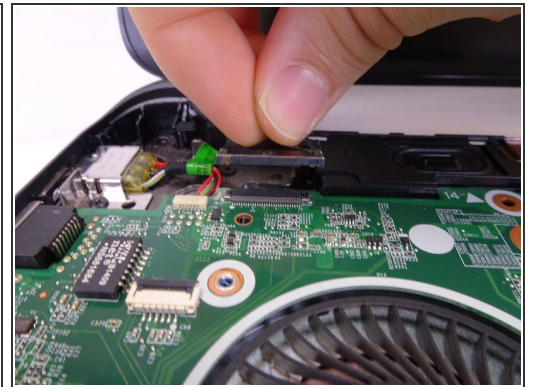 - ⓘ There will be three wires connected underneath.
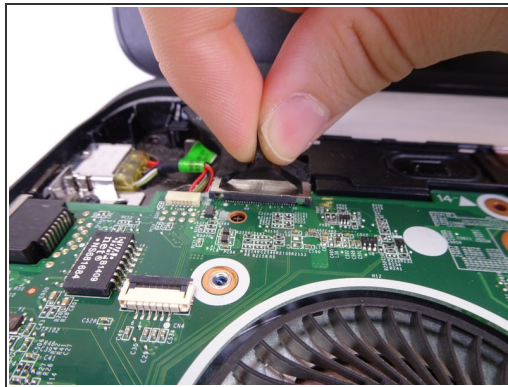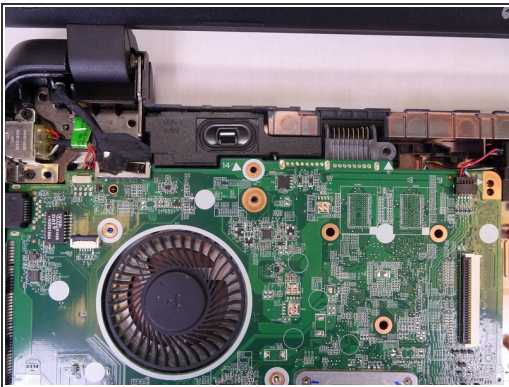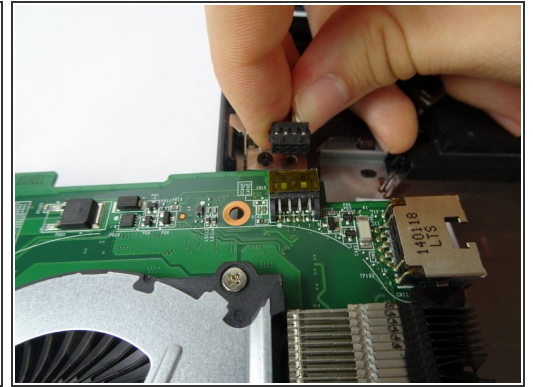
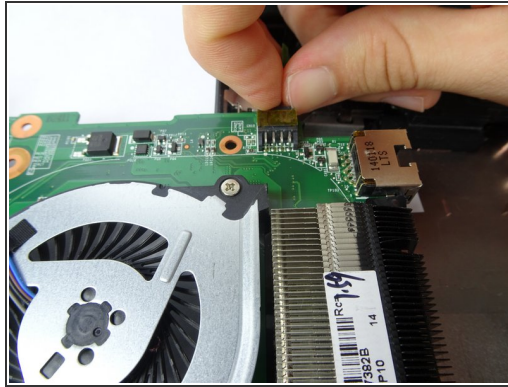This document was generated on 2019-09-21 02:23:41 PM (MST).

Step 21

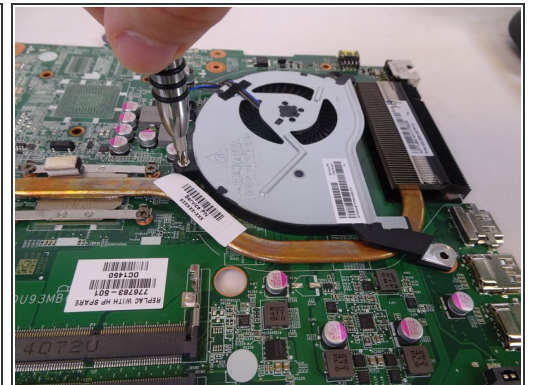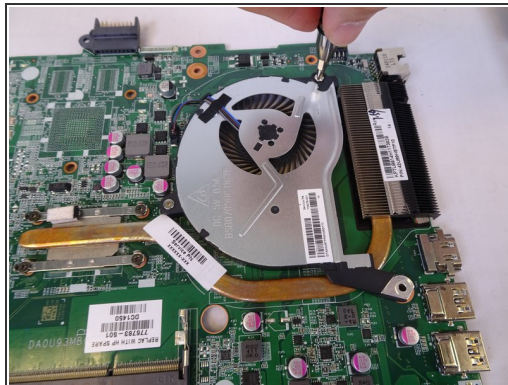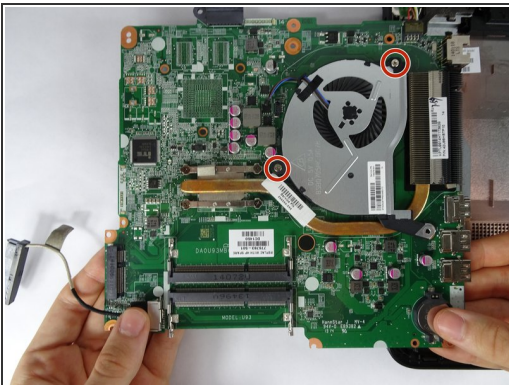- Disconnect the speaker.

Step 22

- Remove the display connection wire. Lift the connection straight up from the motherboard.

Step 23

- Flip the motherboard over.

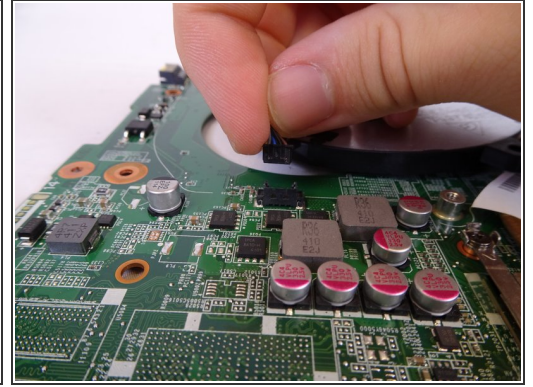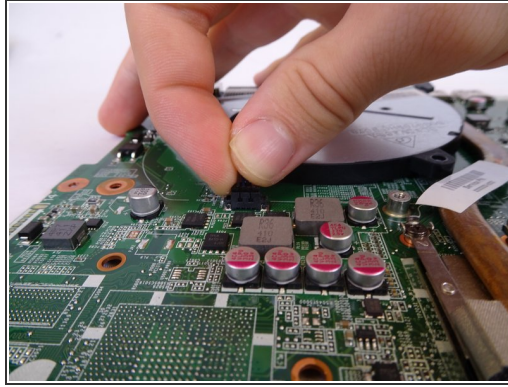- Disconnect the charging port wire from the motherboard.

Step 24 — Cooling System

- Use the PH1 Screwdriver to remove the two screws (7 mm) which hold the fan in place.

This document was generated on 2019-09-21 02:23:41 PM (MST).

Step 25

- The fan will now only be connected via its connection wire.

- Unplug the connection wire.

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

This document was generated on 2019-09-21 02:23:41 PM (MST).

© iFixit — CC BY-NC-SA

www.iFixit.com

Page 15 of 15