HP Pavilion x360 m1-u001dx Fan Replacement

This guide will explain how to replace the fan.

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INTRODUCTION

If your laptop is unusually loud or warm, the fan may need to be replaced. To replace the fan, you will need to know how to use a screwdriver. Small parts (screws) may be a swallowing hazard for young children; keep all parts in a secure location.

🔧 TOOLS:

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

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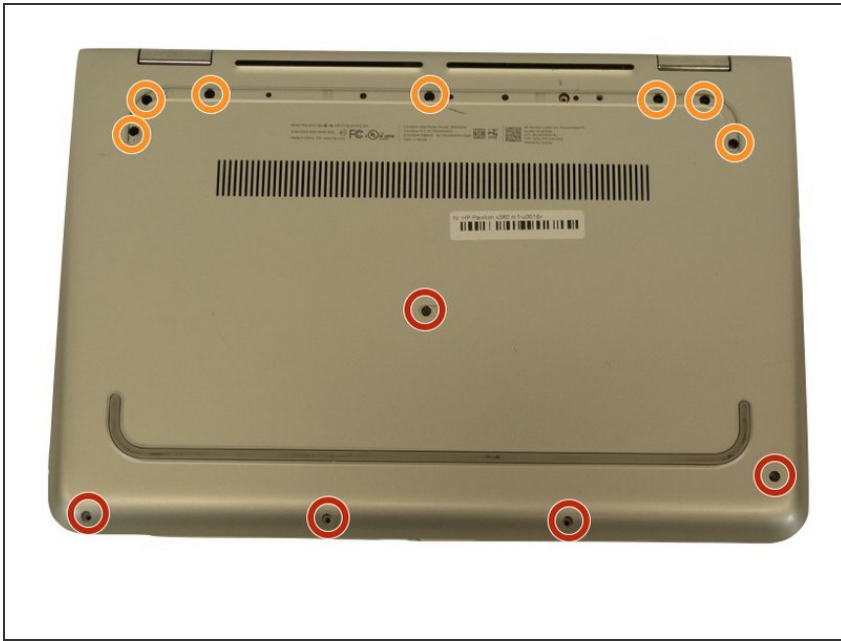
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Step 1 — Keyboard

- Power off your device and disconnect all external devices connected to the laptop.

- ⚠️ Working on your device while it is powered on may cause damage to the laptop or result in electric shock.
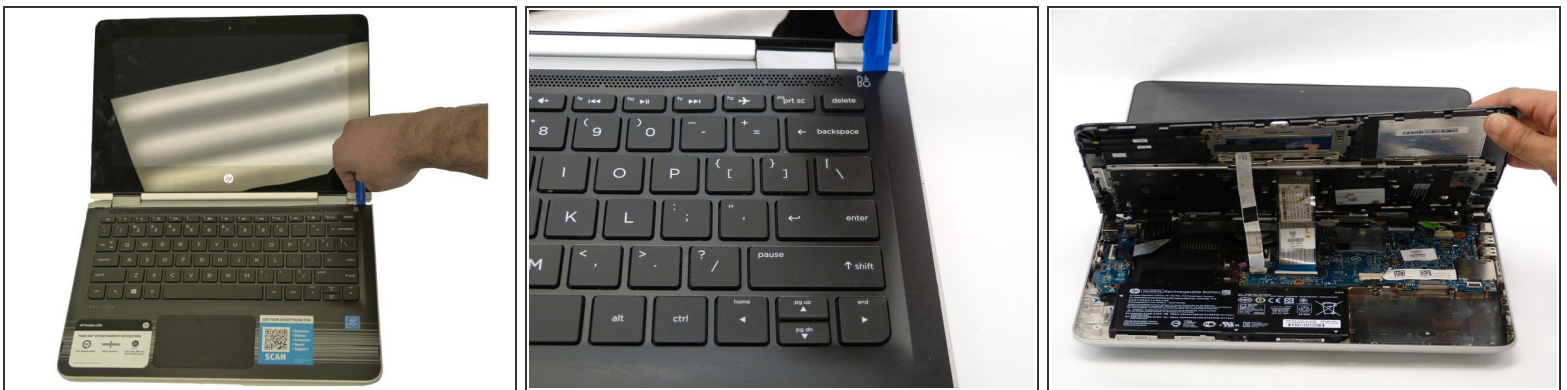
Step 2

- Flip the laptop over and remove the rubber foot with a Metal Spudger.

Step 3

- Remove the screws from the bottom of the laptop with a Phillips 00 Screwdriver.

- 5 Phillips 2.4 x 5.7 mm screws

- 7 Phillips 2.0 x 5.0 mm screws

- (i) Keep the different sized screws separate for future replacement.
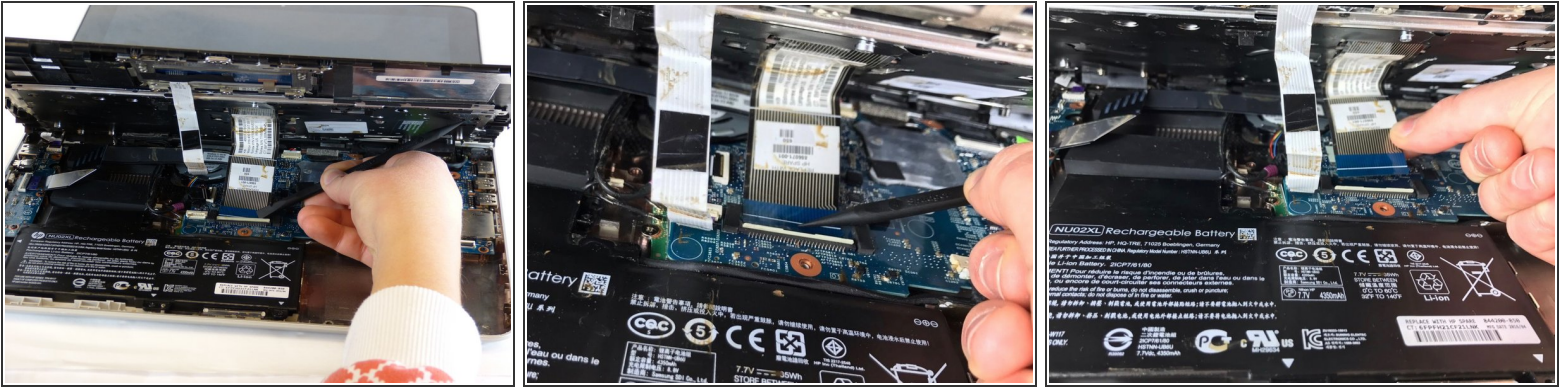
Step 4

- Flip the laptop back over and open it; the keyboard should be facing upwards.

- Using the Plastic Opening Tool, separate the keyboard from the base of the laptop.

- ⚠ The keyboard is connected to the motherboard with cable ribbons, so be very gentle and careful when lifting the keyboard.
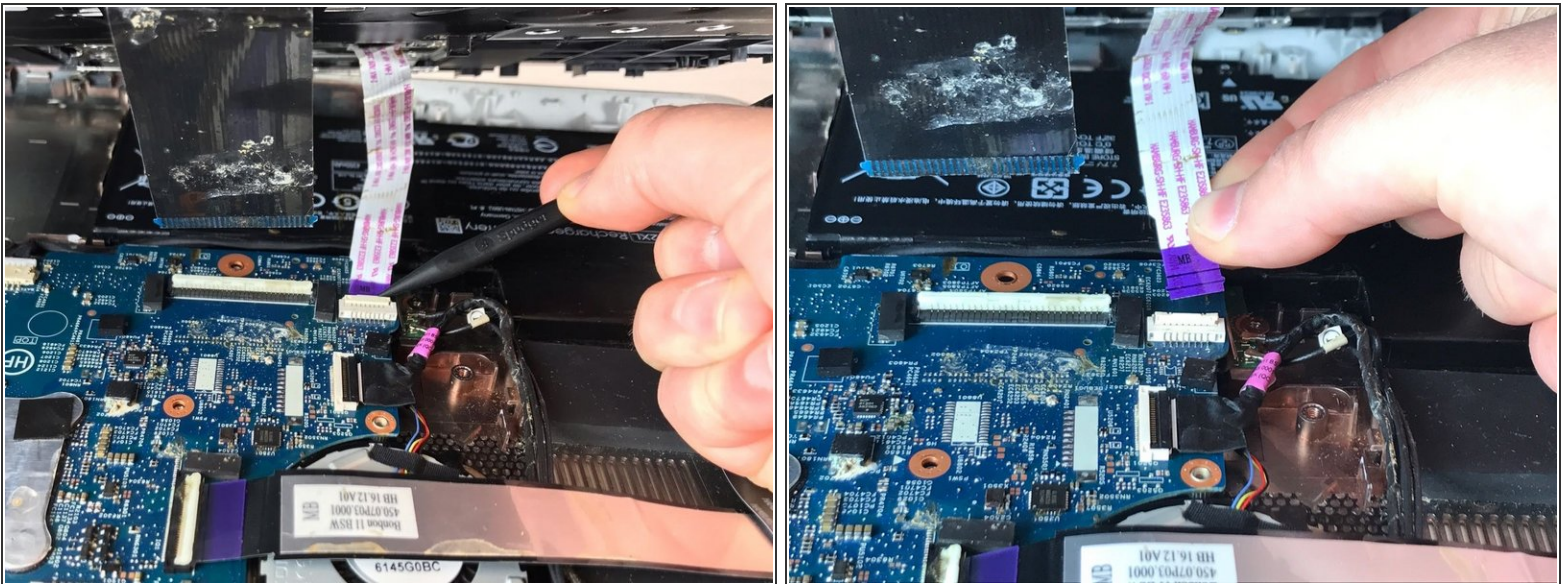
Step 5

- Raising the keyboard, disconnect the first of two cable ribbons with the Heavy-Duty Spudger.

- Gently flip up the white plastic lock connecting the ribbon cable to the motherboard.

- Use the blue plastic tab on the ribbon cable to disconnect the ribbon cable from the lock.
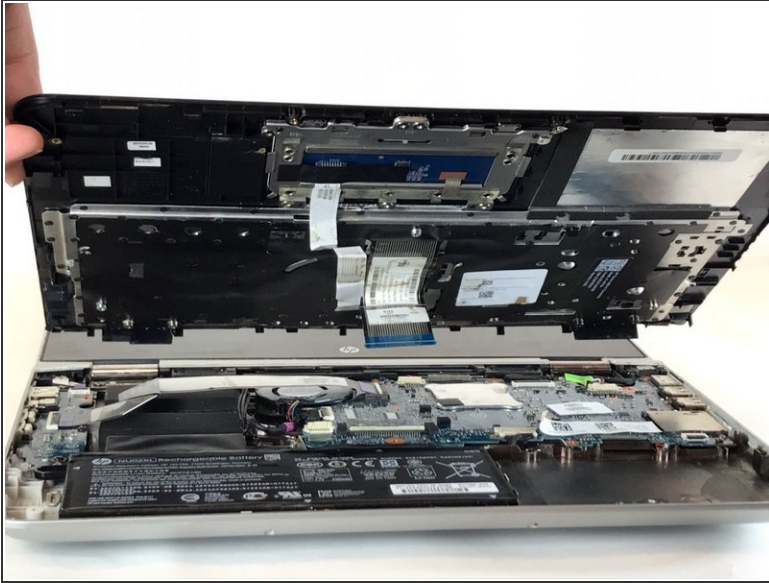
Step 6

- Gently flip up the white plastic lock connecting the second ribbon cable to the motherboard with the Heavy-Duty Spudger.

- Use the blue purple tab on the ribbon cable to disconnect the ribbon cable from the lock.

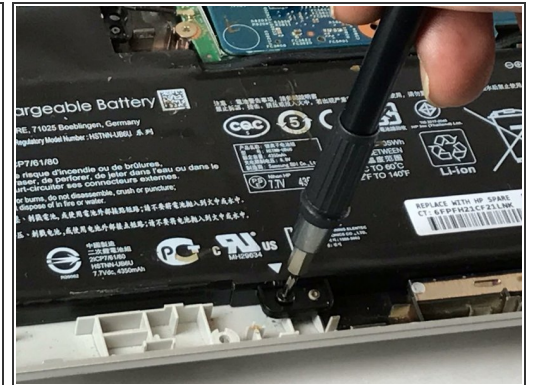This document was generated on 2019-09-21 04:55:33 AM (MST).

Step 7

- After the ribbon cables are disconnected, gently lift up the keyboard to disconnect it from the base of the laptop.

Step 8 — Battery

- Remove the screws from the perimeter of the battery with a Phillips 00 Screwdriver.

- 3 Phillips 2.0 x 4.6 mm screws

- ⓘ Keep the different sized screws separate for future replacement.

Step 9

- Holding the lower right corner, gently lift up the battery to disconnect it from the motherboard.
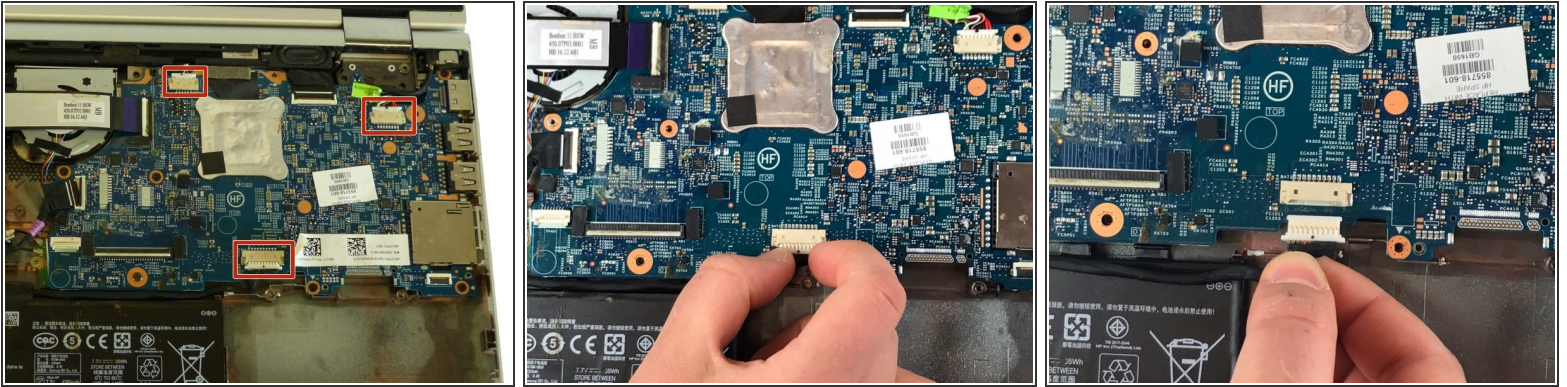
Step 10 — System Board (Motherboard)

- Remove the screws from the perimeter of the motherboard with a Phillips 00 Screwdriver.

- 8 Phillips 2.0 x 4.7 mm screws.

- ⓘ Keep the different sized screws separate for future replacement.
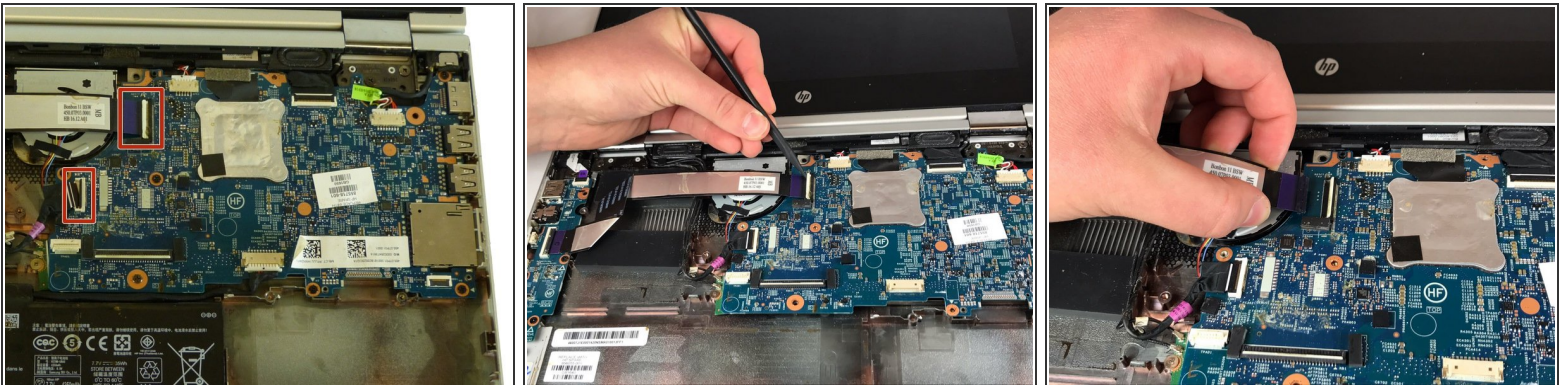
Step 11

- Disconnect the 3 bundle cable connectors by gently gripping the cable wires and pulling outwards.

⚠ Be sure to grip each of the cables equally so no single cable is overly strained.
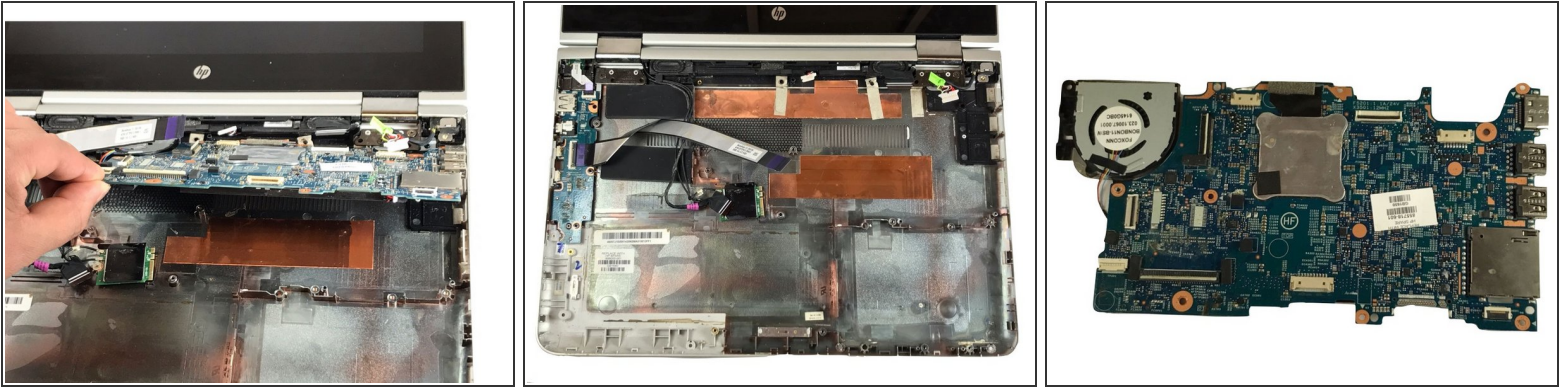
Step 12

- Disconnect the 2 cable ribbons with the Heavy-Duty Spudger.

- Gently flip up the white plastic lock connecting the ribbon cable to the motherboard.

- Use the purple plastic tab on the ribbon cable to disconnect the ribbon cable from the lock.

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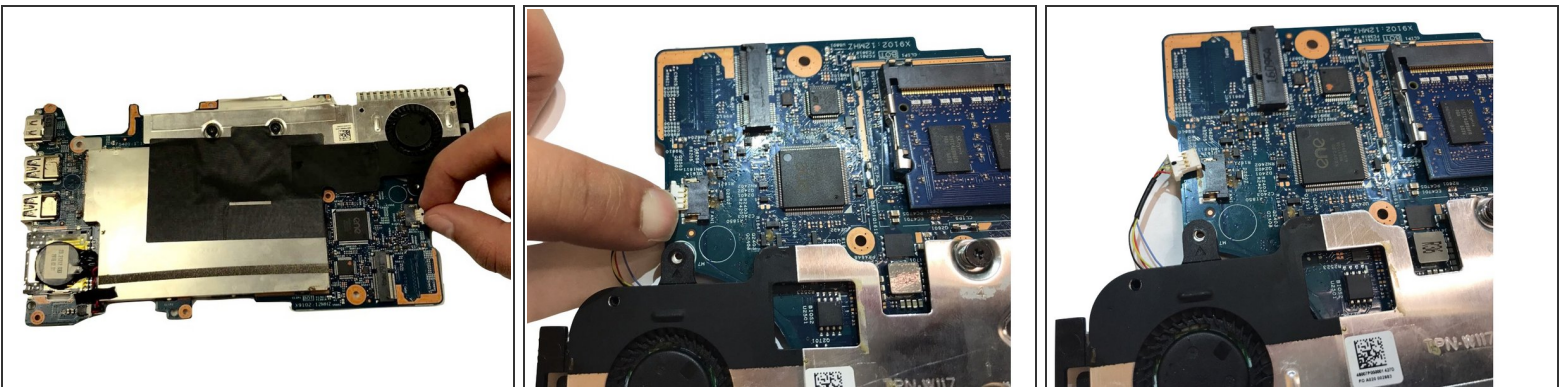
Step 13

- Gently lift up the motherboard to disconnect it from the computer.

Step 14 — Fan

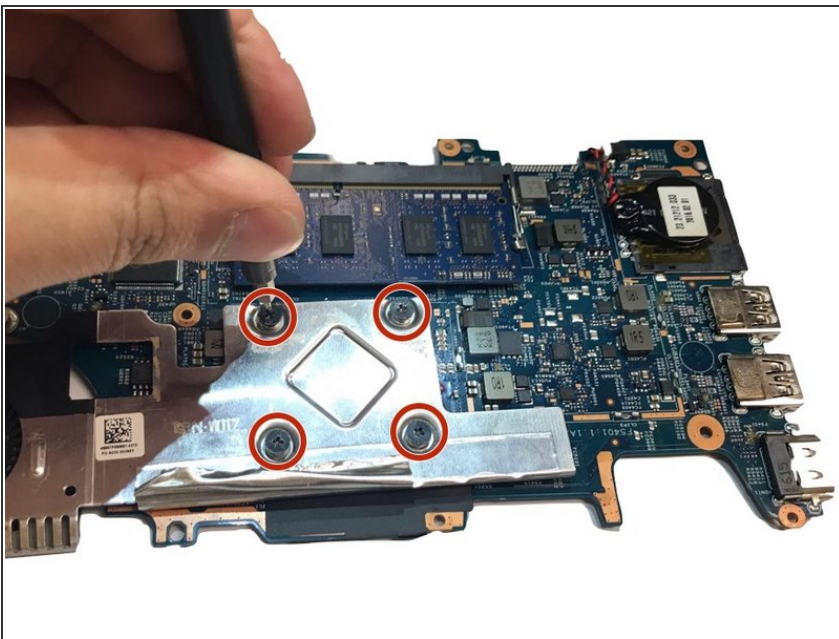- Disconnect the bundle cable connector by gently gripping the cable wires and pulling outwards.

⚠ Be sure to grip each of the cables equally so no single cable is overly strained.

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Step 15

- Peel off the black sticker to expose the screws underneath.

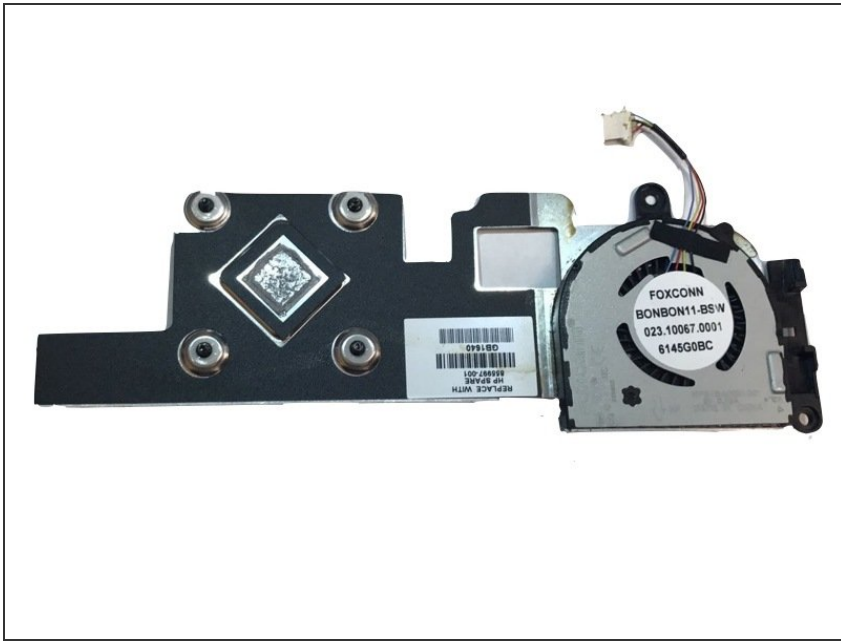- (i) Do not crumple the sticker; you will need it when reassembling the fan.

Step 16

- Remove the 4 screws from the motherboard with a Phillips 00 Screwdriver.

- 4 Phillips 2.5 x 5.5 mm screws

- (i) Keep the screws for future replacement.

Step 17

- Disconnect the fan from the motherboard by taking out the screws.

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

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