HP 15-ac121dx Motherboard Replacement
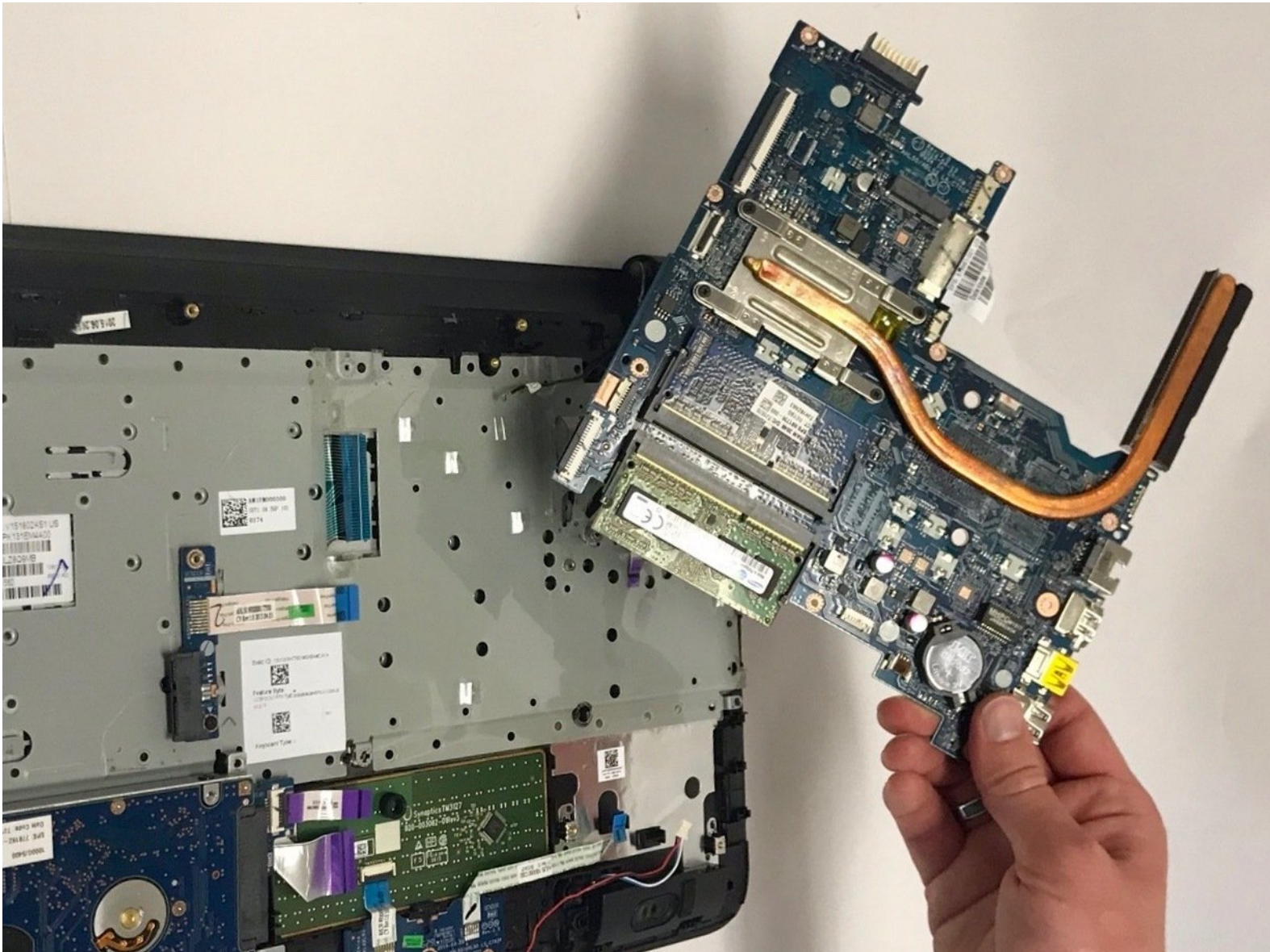
This guide will teach you how to replace the...

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INTRODUCTION

This guide will teach you how to replace the motherboard, which contains the USB ports. You will need plastic prying tools and a Phillips J001 screw driver.

🔧 TOOLS:

- Phillips #00 Screwdriver (1)
- Phillips #000 Screwdriver (1)
- iFixit Opening Tool (1)

Step 1 — Battery

- Remove all external devices from the computer.

- Remove the charging cord from the computer.

Step 2

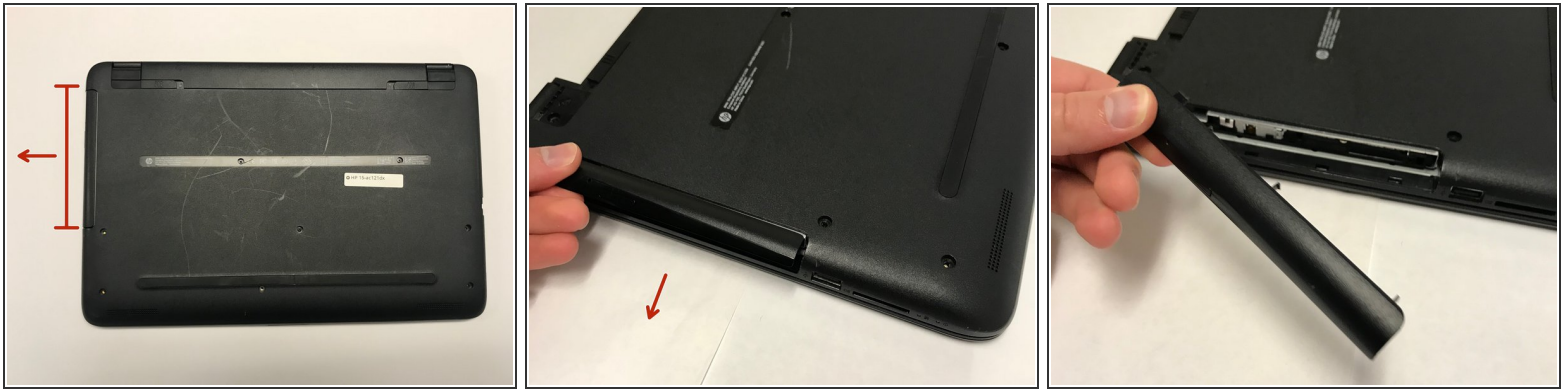- Turn off the computer by holding the power button.

Step 3

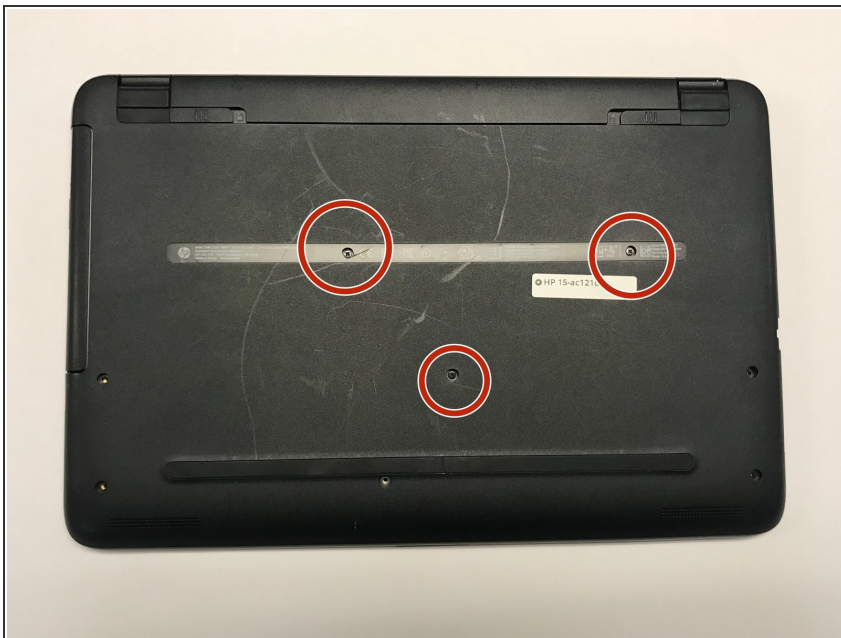- To remove the battery, slide the left slider on the back to the unlocked position.

Step 4

- Push the right slider inwards.

- Remove the battery out by pulling straight out and to the right.

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Step 5 — Back Panel

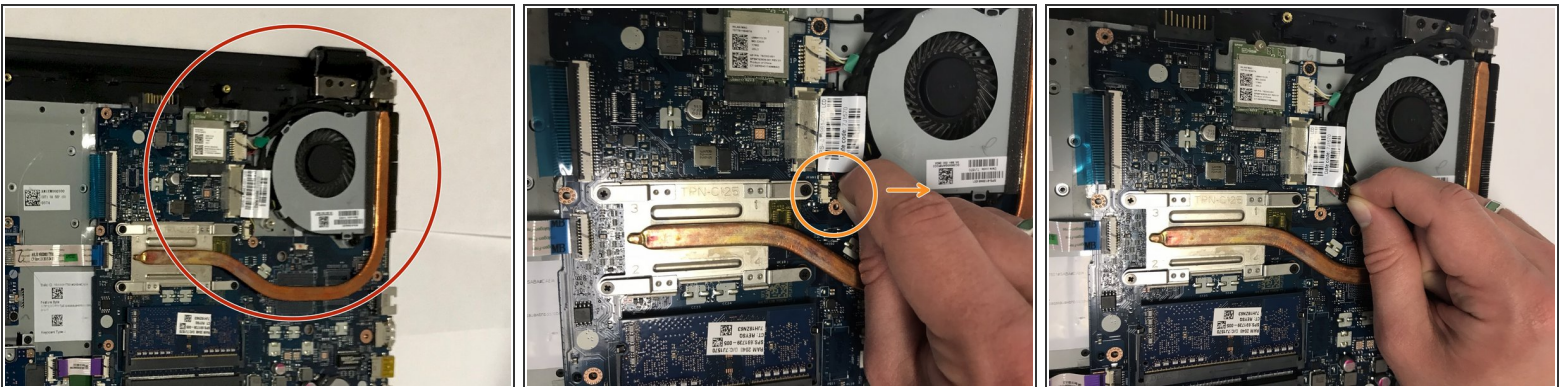- Locate the CD Compartment panel and gently slide it out.

Step 6

- Remove the back of the laptop by unscrewing the screws shown.

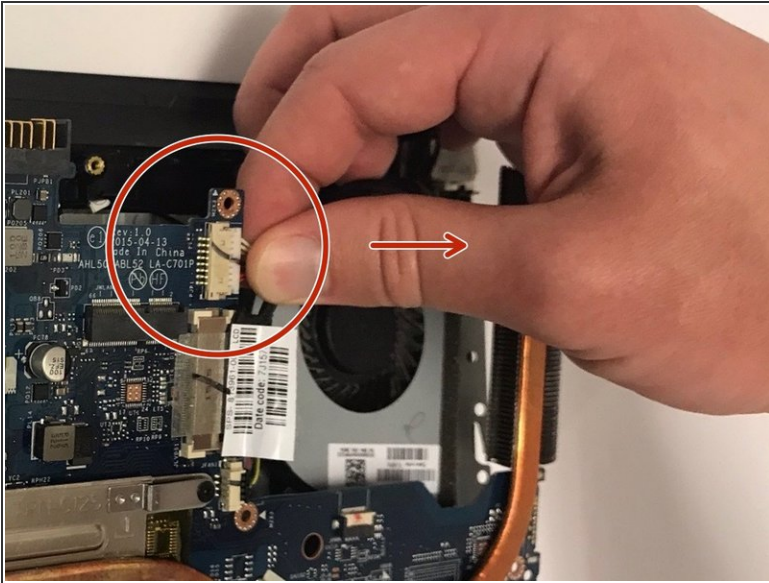- Also remove the other 5 Phillips screws lining the back cover.

Step 7

- Using the prying tool, wedge it underneath the back of the laptop and do the same all around until the back comes off.

- Dont forget to unscrew 2 screws under 2 plastic tabs (one on each hing). The lid will not come off without them being removed!
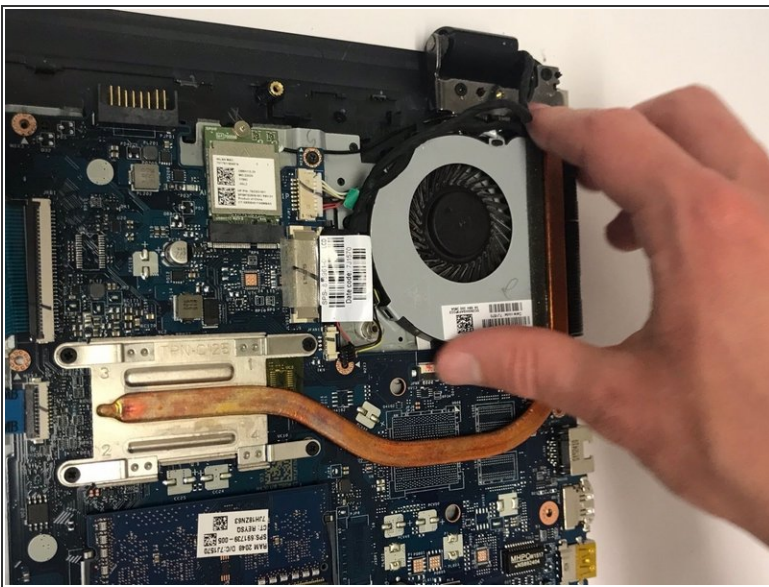
Step 8 — Fan

- Locate the Fan as shown.

- Pull out the black cable, with four wires attached from its port.

Step 9

- Pull out the white cable wire from its port.

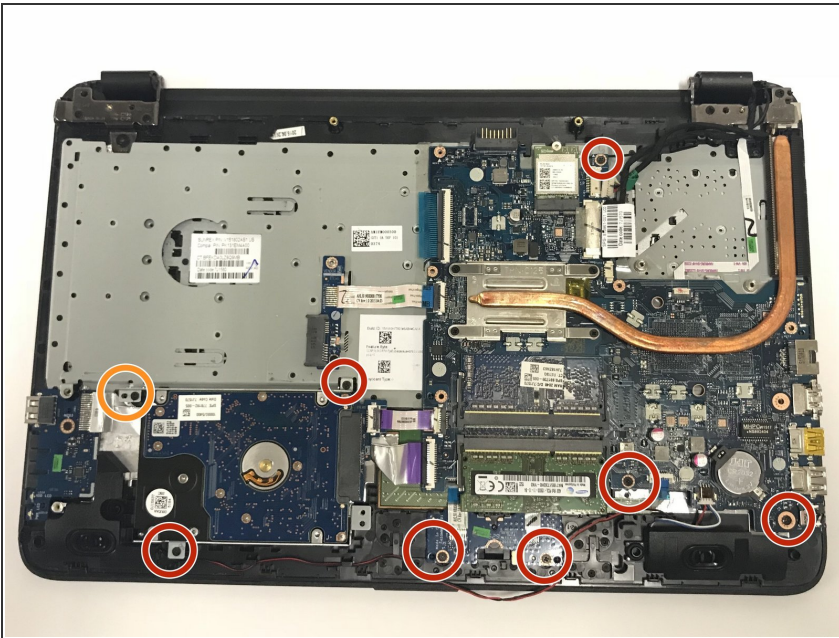- Unscrew the two black Phillips screws holding in the fan.

Step 10

- Remove fan.

- Unscrew the two screws holding in the fan.

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Step 11 — CD Compartment

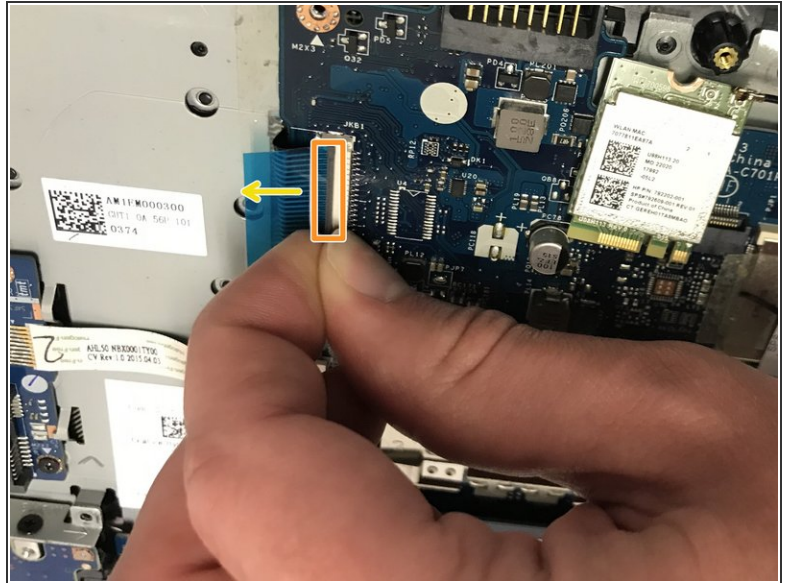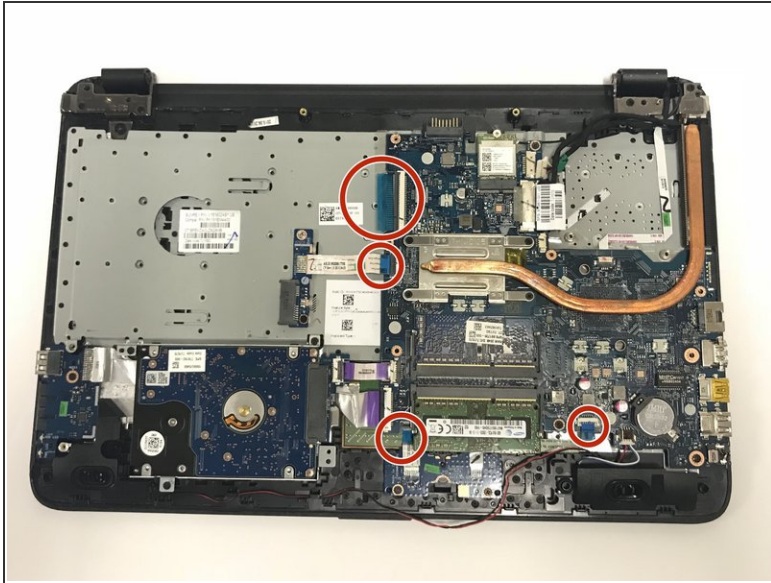
- Locate the CD Compartment as shown and gently slide it out.
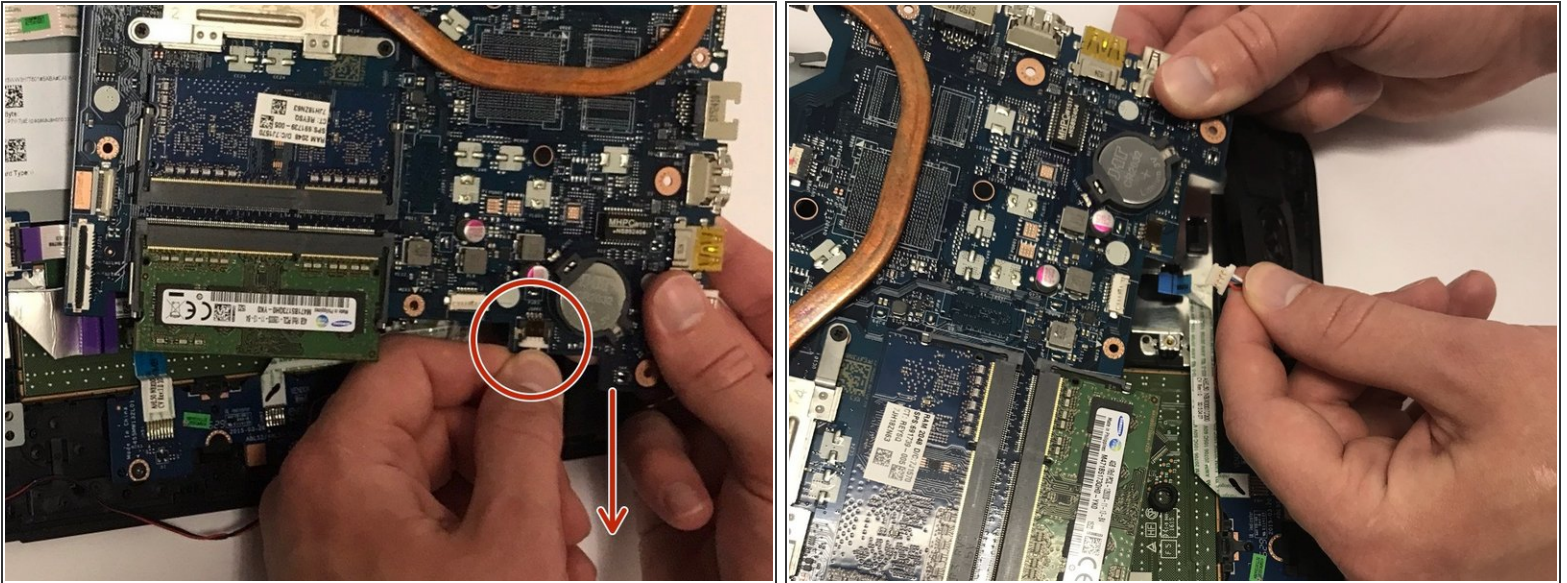
Step 12 — Motherboard

- Remove the TEN 3mm screws.
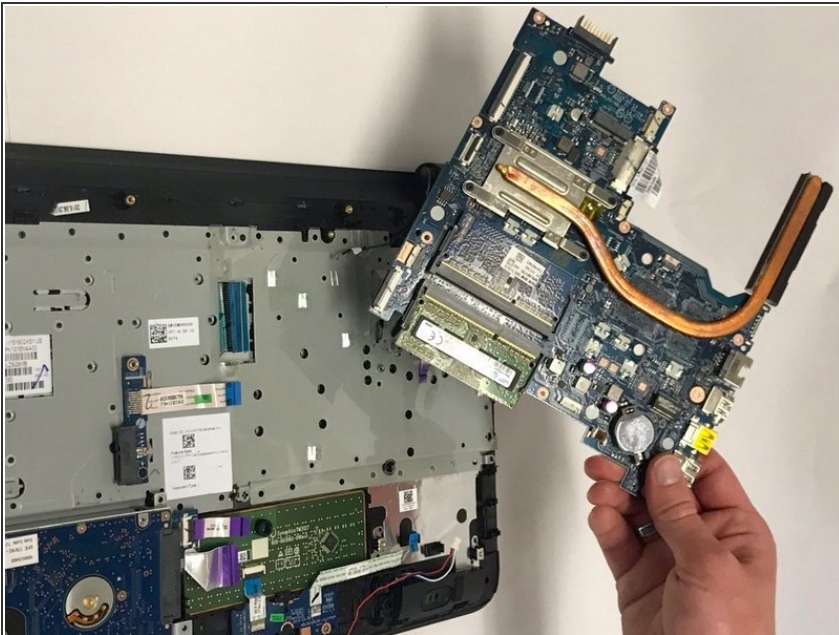
- Remove the ONE 9mm screw.

Step 13

- Locate the four ribbon clips.

- Lift the grey part of the ribbon clips.

- Pull the ribbon cable out and repeat this step for all four ribbon cables.

- Also use a spudger and release the TWO cables attaching the hard drive to the motherboard. Another ribbon cable is located where the fan was sitting.

Step 14

- Pull out the white cable (contains red and white cable attached to a black support) with wires from its port.

Step 15

- Remove the motherboard.

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

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