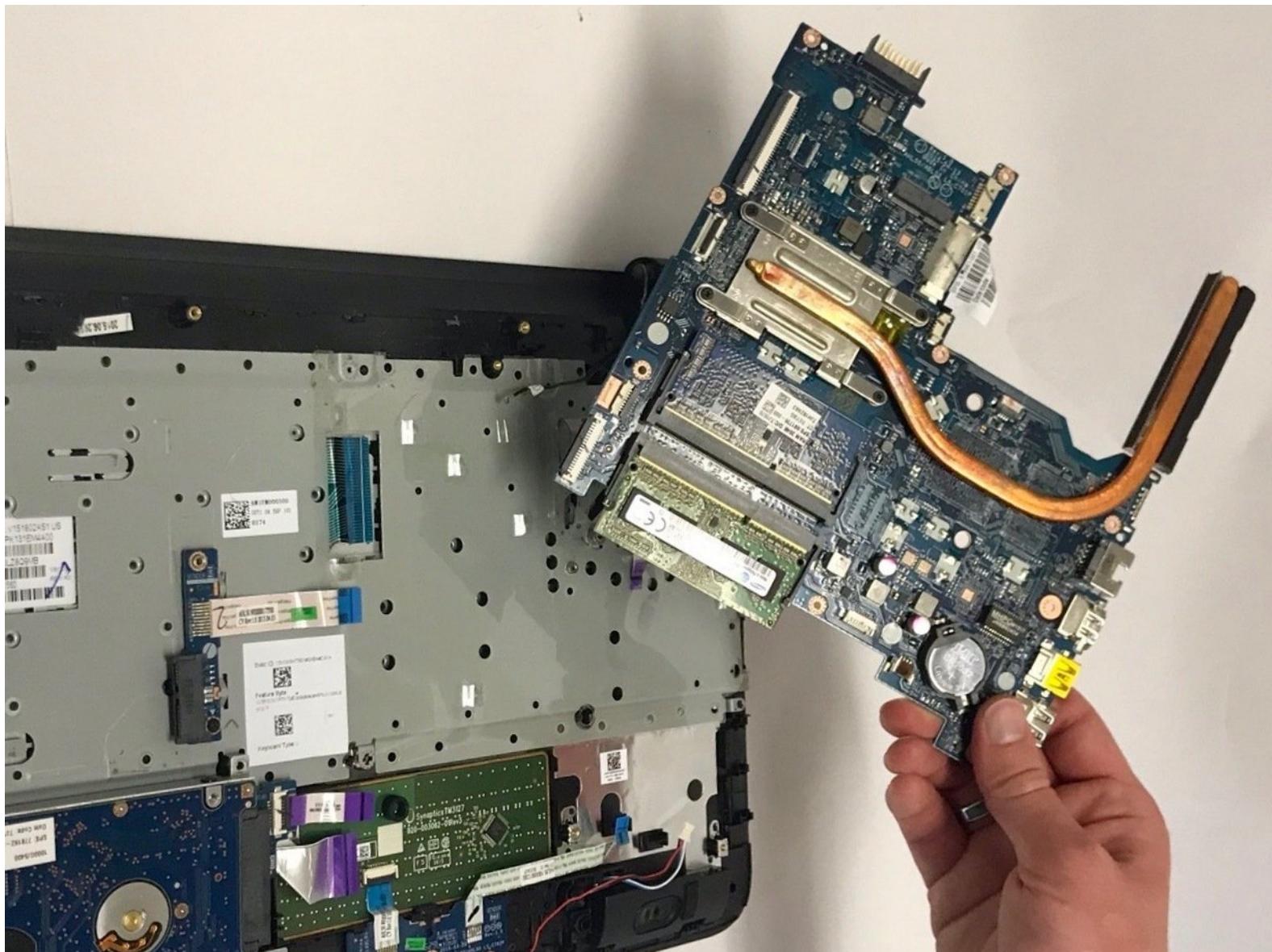




HP 15-ac121dx Motherboard Replacement

This guide will assist you in replacing the motherboard for an HP 12-ac121dx laptop.

Written By: Onose Aigbe



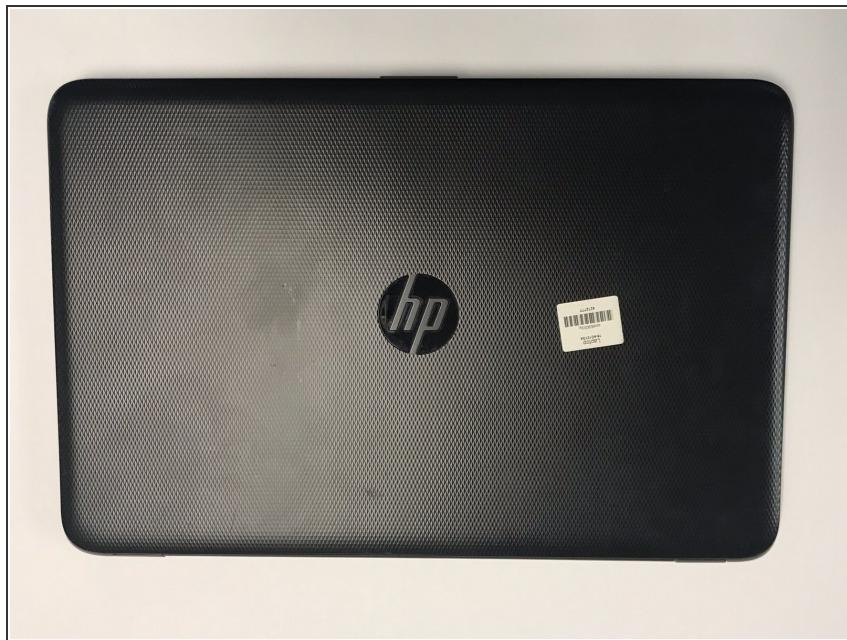
INTRODUCTION

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 Tools](#) (1)

Step 1 — Battery



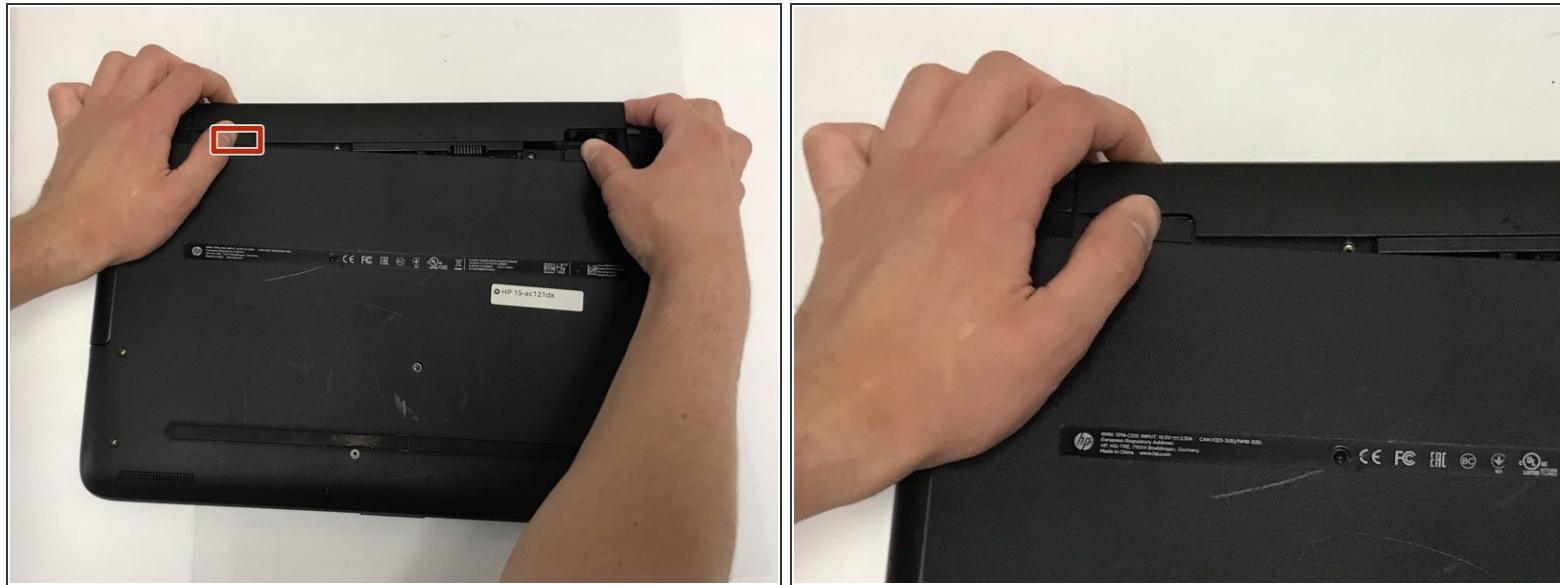
- Remove all external devices from the computer.
- Remove the charging cord from the computer.

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



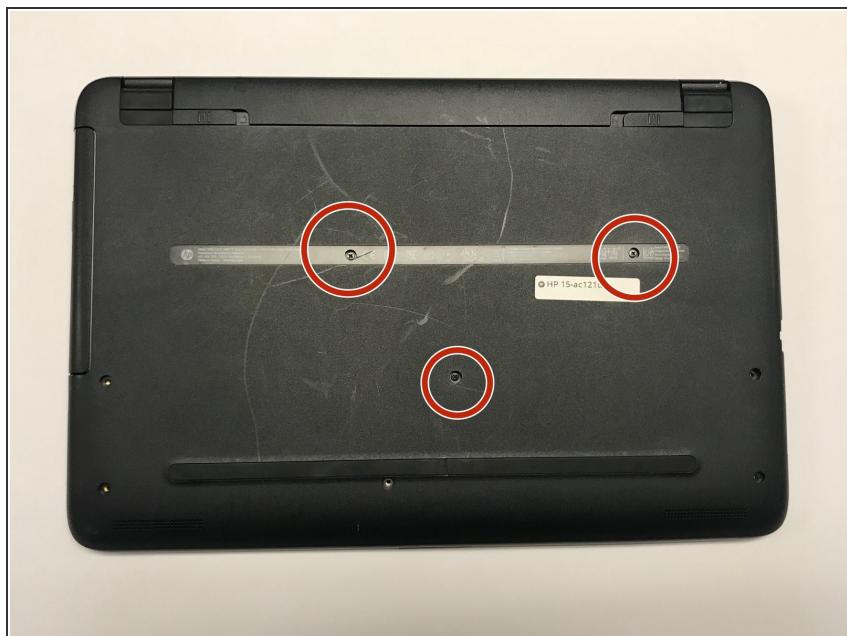
- Push the right slider inwards.
- Remove the battery out by pulling straight out and to the right.

Step 5 — Back Panel



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

Step 6



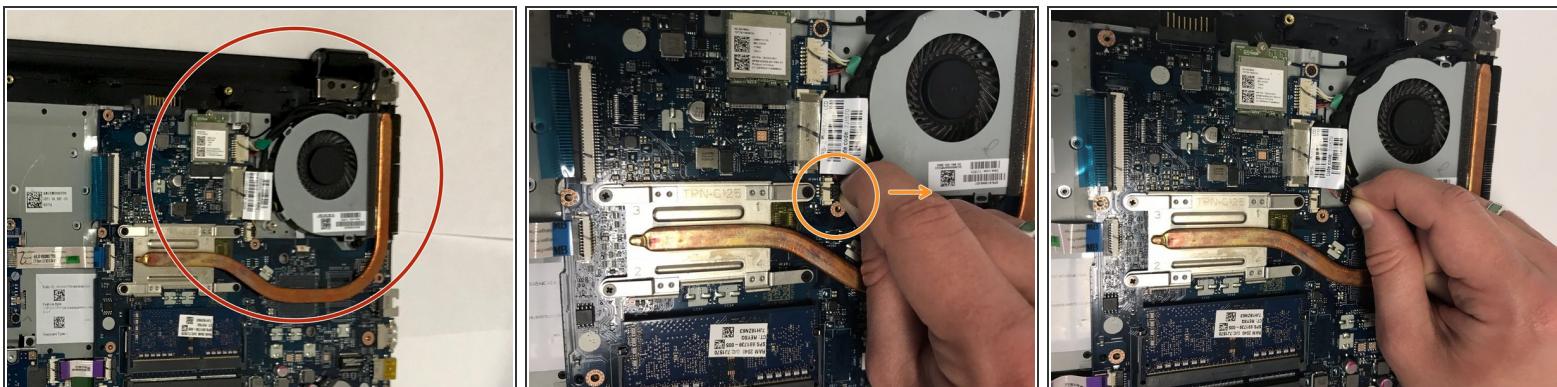
- Remove the back of the laptop by unscrewing the screws shown.
- Also remove the other 5 Phillips screws lining the back cover.

Step 7



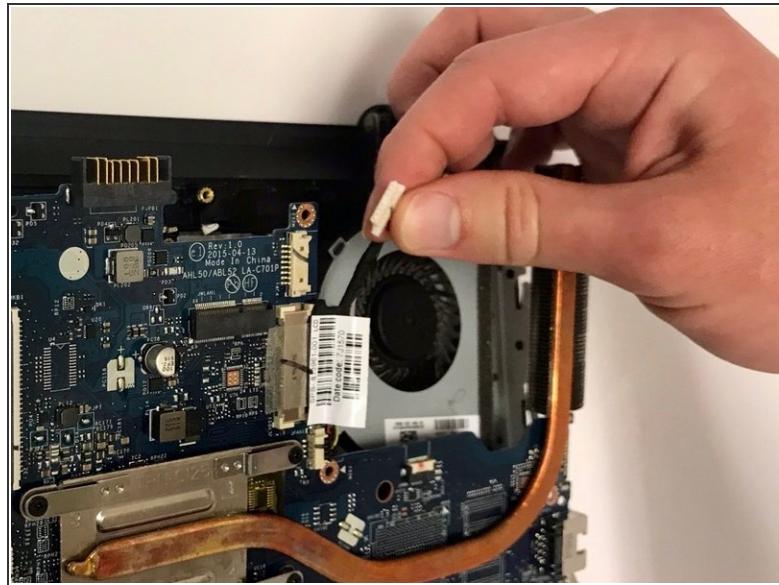
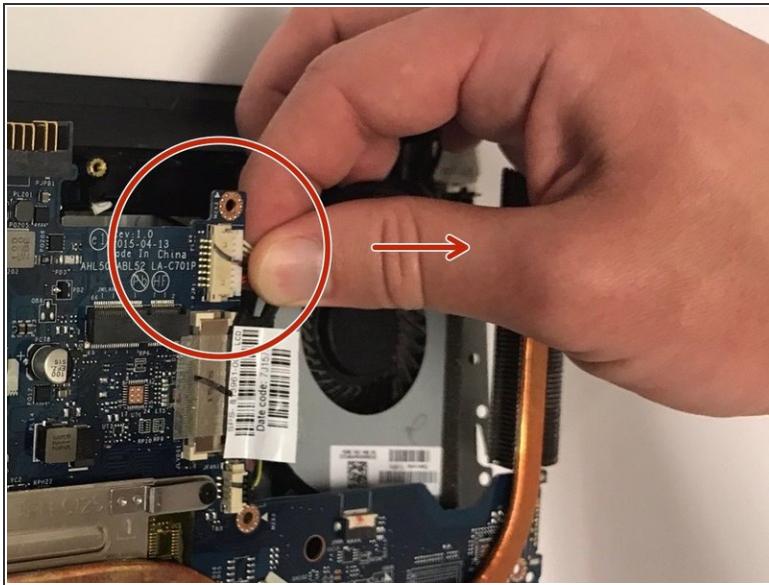
- Using the prying tool, wedge it underneath the back of the laptop and do the same all around until the back comes off.
- Dont forget to unscrew 2 screws under 2 plastic tabs (one on each hing). The lid will not come off without them being removed!

Step 8 — Fan



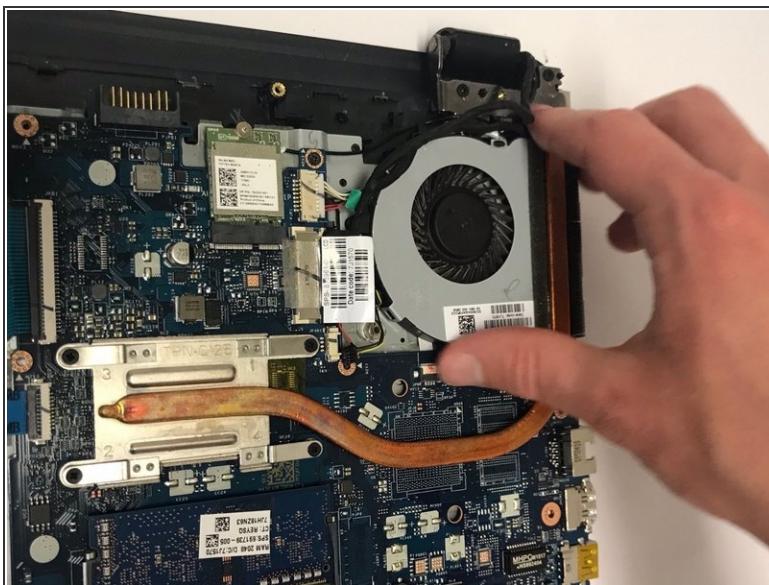
- Locate the Fan as shown.
- Pull out the black cable, with four wires attached from its port.

Step 9



- Pull out the white cable wire from its port.
- Unscrew the two black Phillips screws holding in the fan.

Step 10



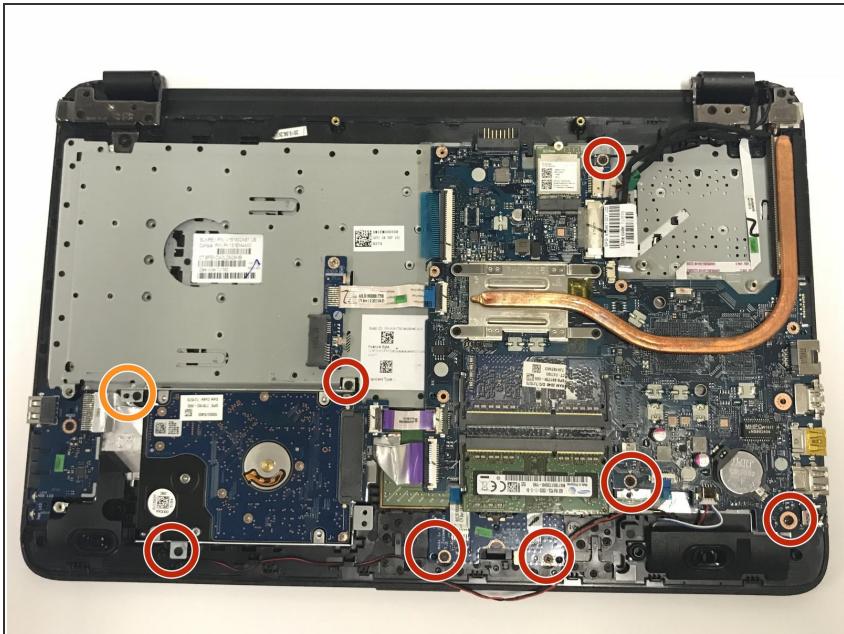
- Remove fan.
- Unscrew the two screws holding in the fan.

Step 11 — CD Compartment



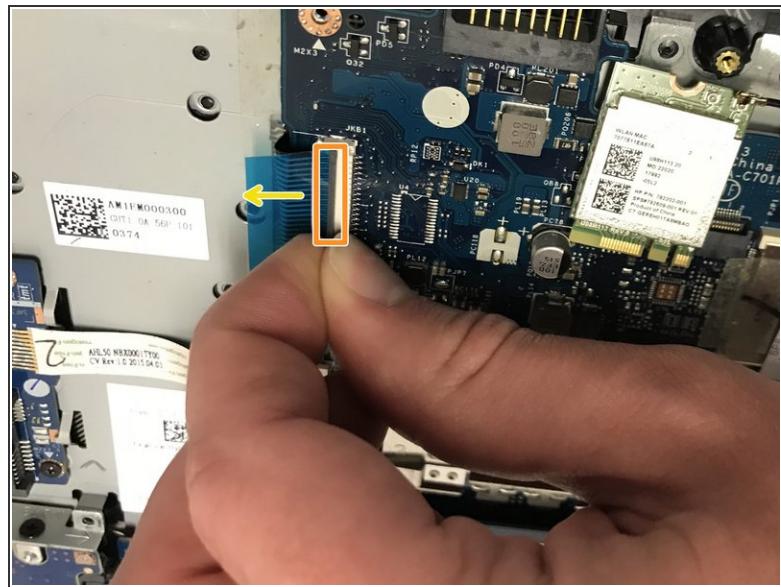
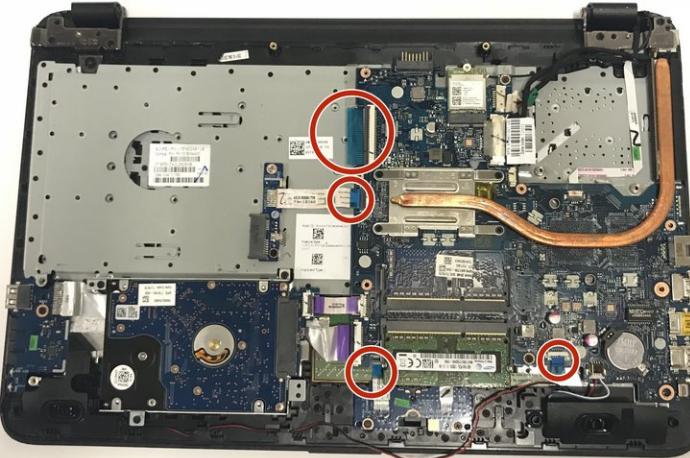
- Locate the CD Compartment as shown and gently slide it out.

Step 12 — Motherboard



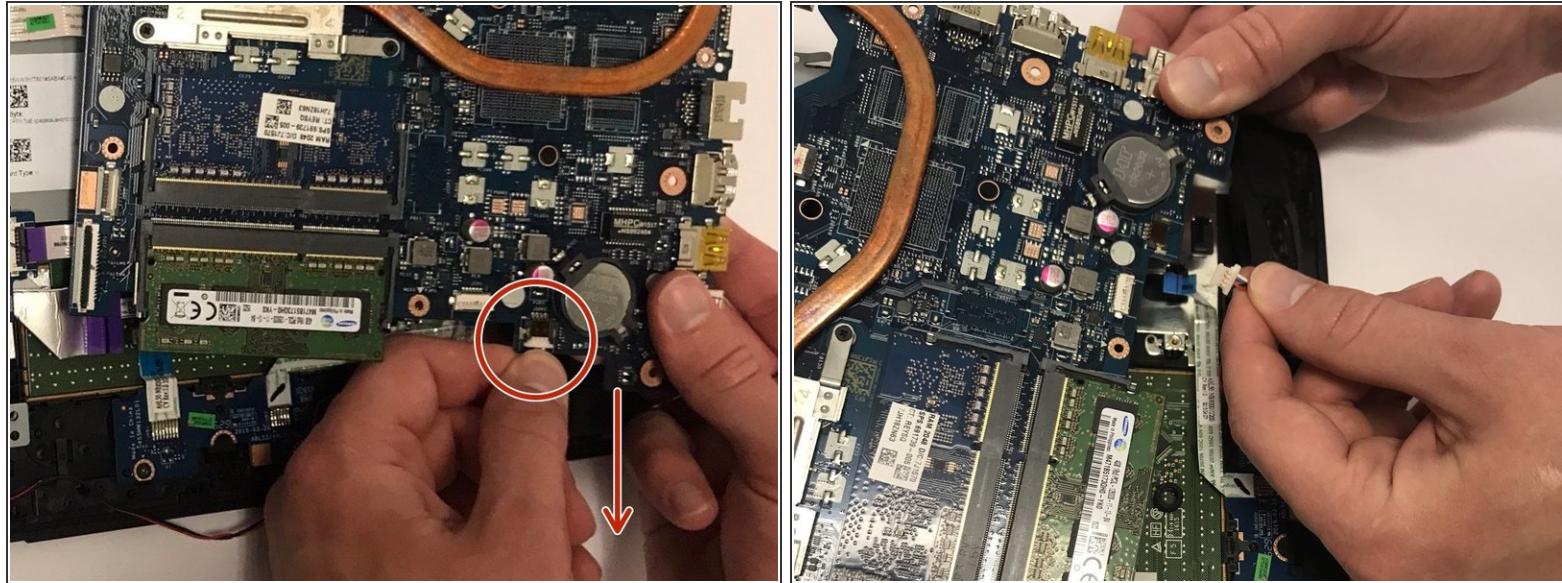
- Remove the TEN 3mm screws.
- Remove the ONE 9mm screw.

Step 13



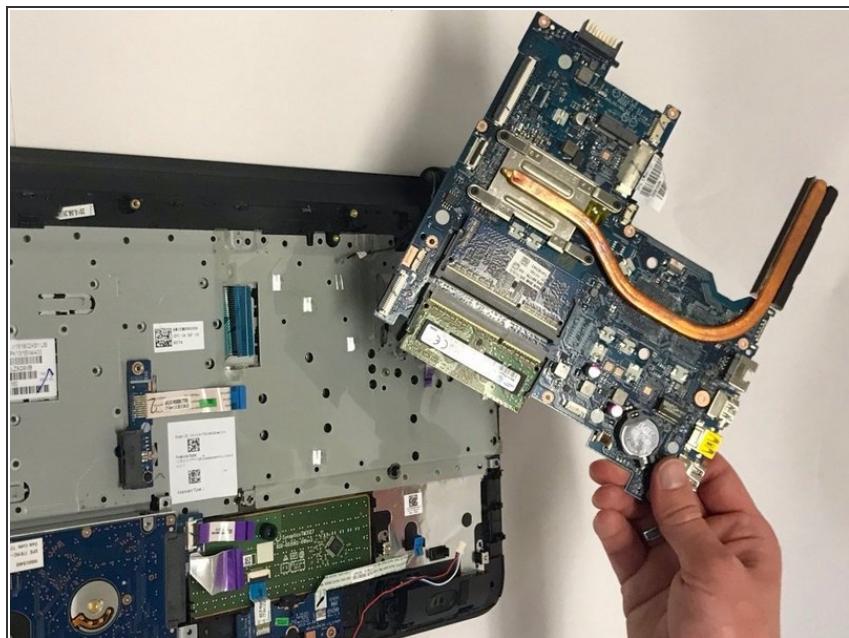
- Locate the four ribbon clips.
- Lift the grey part of the ribbon clips.
- Pull the ribbon cable out and repeat this step for all four ribbon cables.
- Also use a spudger and release the TWO cables attaching the hard drive to the motherboard. Another ribbon cable is located where the fan was sitting.

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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