HP 15-ay103dx Motherboard Replacement

This guide will explain on how to fix the motherboard on the HP 15-ay103dx.

Written By: Rafael Cardona Bautista

🔧 TOOLS:

- [Phillips #1 Screwdriver](1) (1)
- [iFixit Opening Tools](1) (1)

Step 1 — Battery

- Slide the two battery lock latches on the back of the device to the "unlock" position.
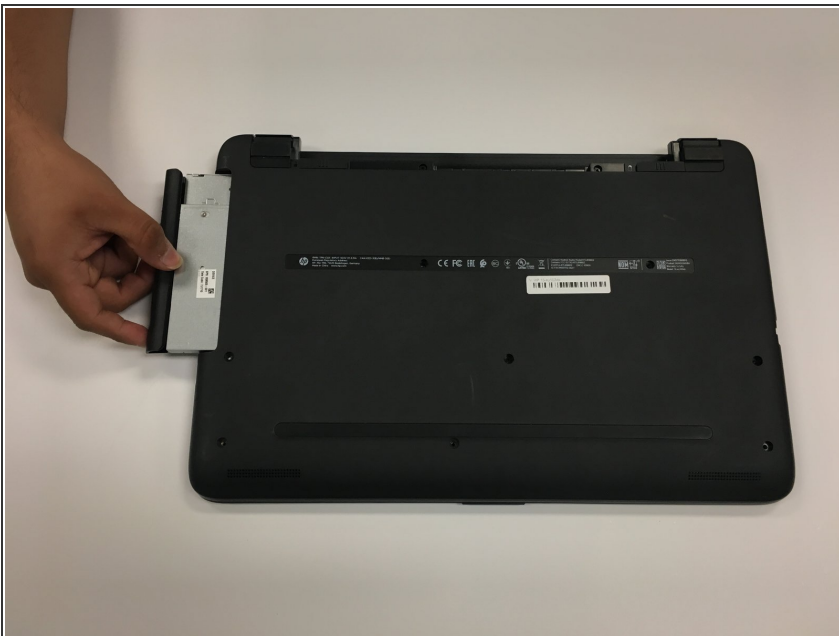
Step 2

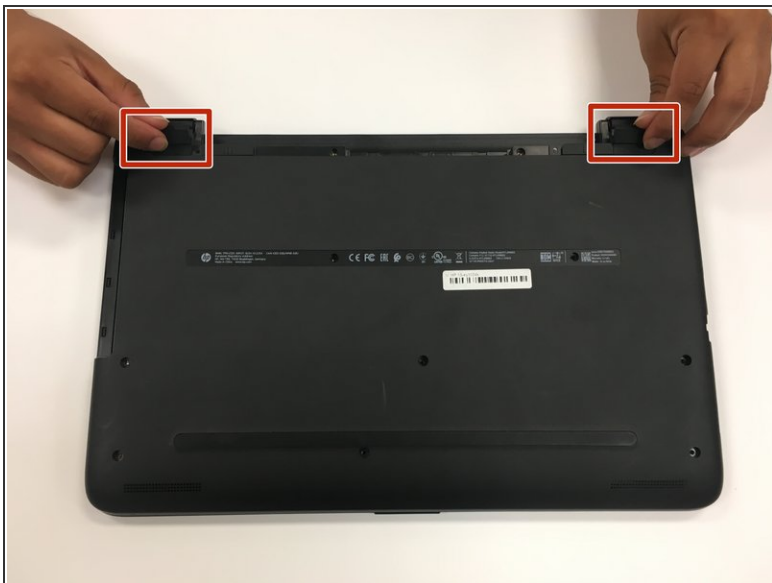- Lift the battery upward to remove it from the device.

Step 3 — Back Panel

- Using the PH1 phillips-head screwdriver, remove all the 5/16 in. screws from the back of the device.

⚠️ There should be 10 in total, be sure to keep them together!

Step 4

- Locate the optical disc drive and remove it from the device by sliding it straight of the device.

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Step 5

- Covering the hinges of the device are rubber bumpers secured to the device using adhesive. Remove them carefully.

- (i) Place the adhesive side up as you will need to place them back after your replacement is complete.
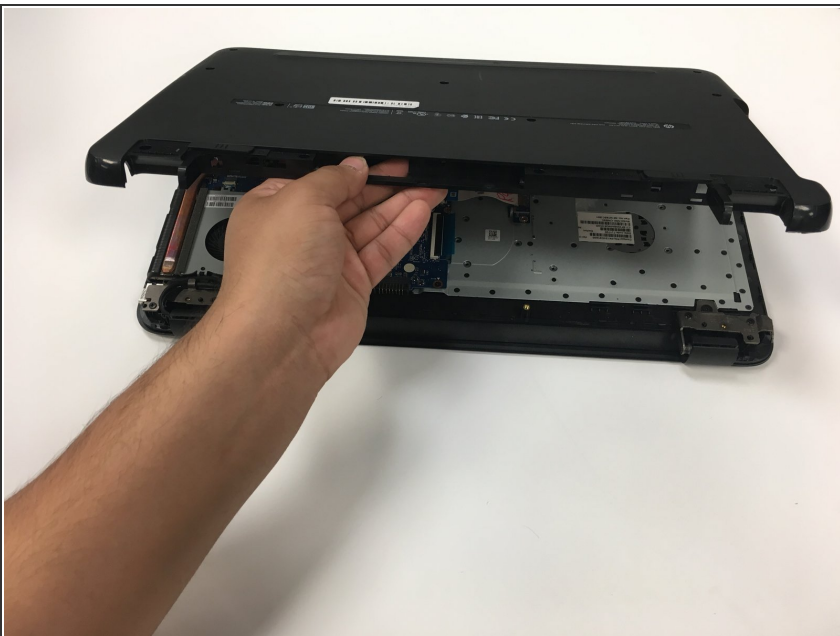
Step 6

- In the same spot you've just removed the bumpers from, you will find two 5/16 in. screws. Using the same Phillips-head screwdriver used in step 2, remove the screws
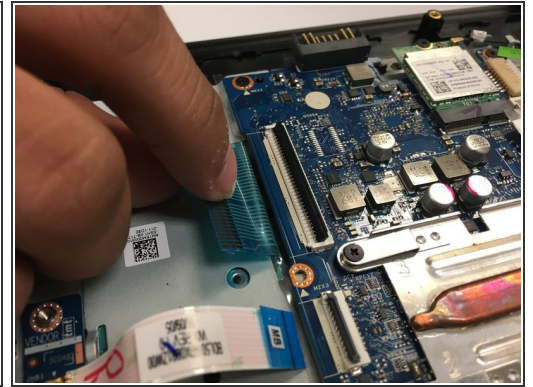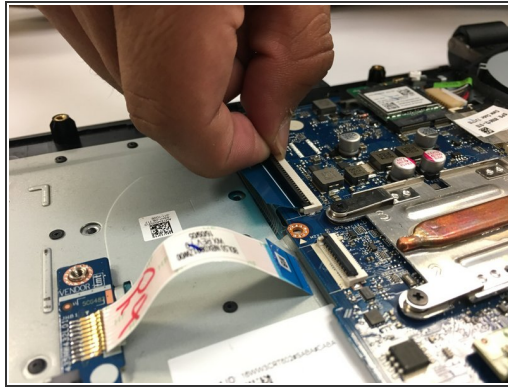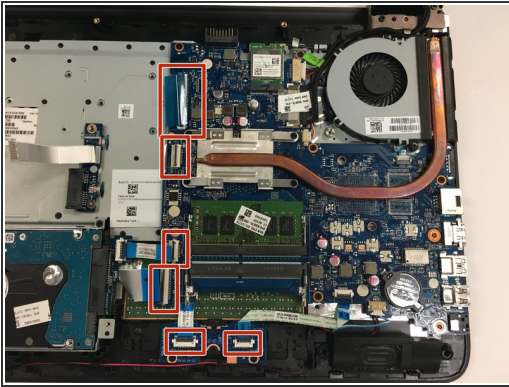
⚠ Be sure to keep the screws together!

Step 7
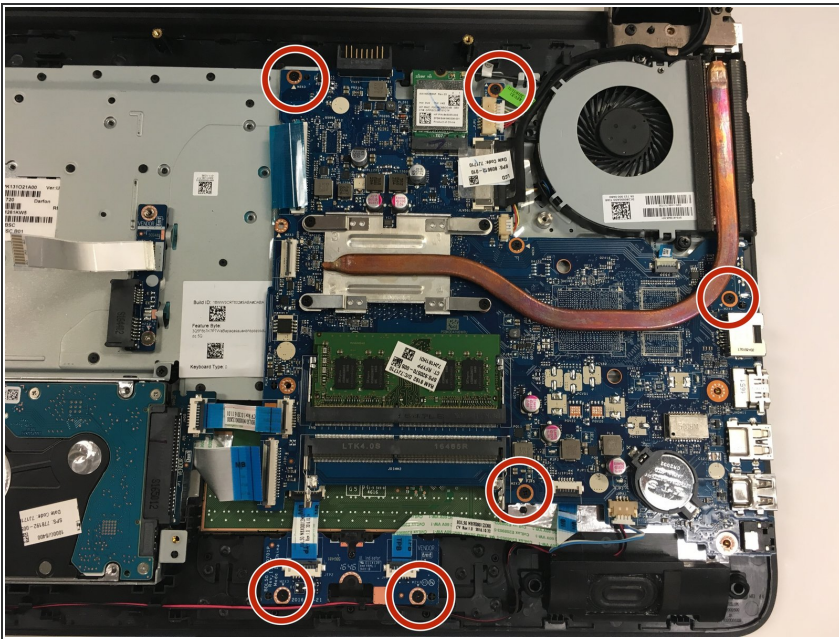

- Carefully remove the back panel from the device.

ⓘ If you are unable to do this with your hands, you can use a thin prying tool of your choice to make it easier!
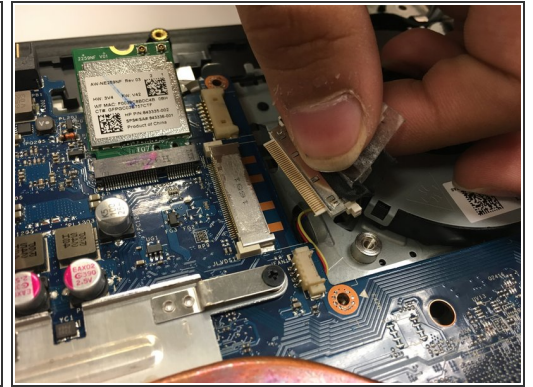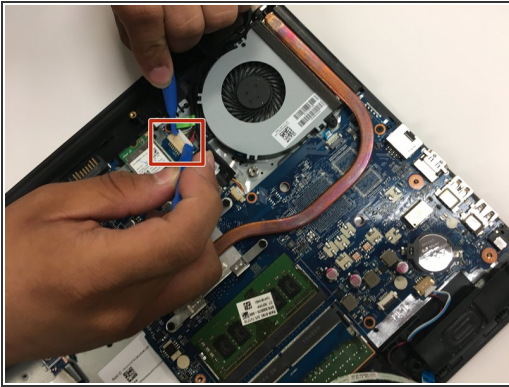
Step 8 — Motherboard

- Disconnect the wires around the motherboard securing it to the device.

- ⓘ To do this, flip the black "switches" securing the wires into place upwards.

Step 9

- Remove the six 5/16 in. screws holding the motherboard onto the device using the P1 philips-head screwdriver.
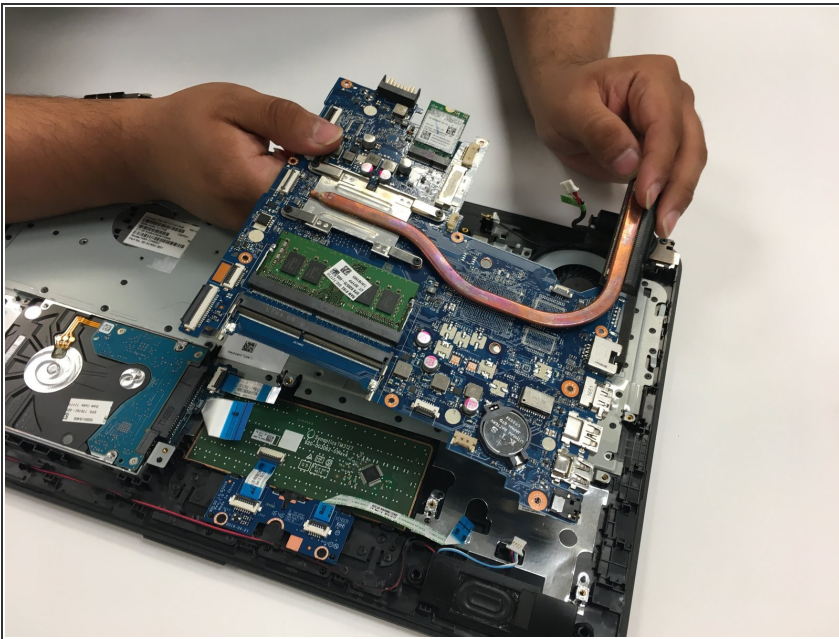
- ⚠ Be sure to keep them together!

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Step 10

- Disconnect the wire securing the whole motherboard located at the top to the motherboard.

- ⓘ This is possible with your fingers, but is easier to do using an iFixit opening tool.

Step 11

- Carefully lift the motherboard to remove it from the device.

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

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