



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 \(1\)](#)
- [iFixit Opening Tools \(1\)](#)

Step 1 — Battery



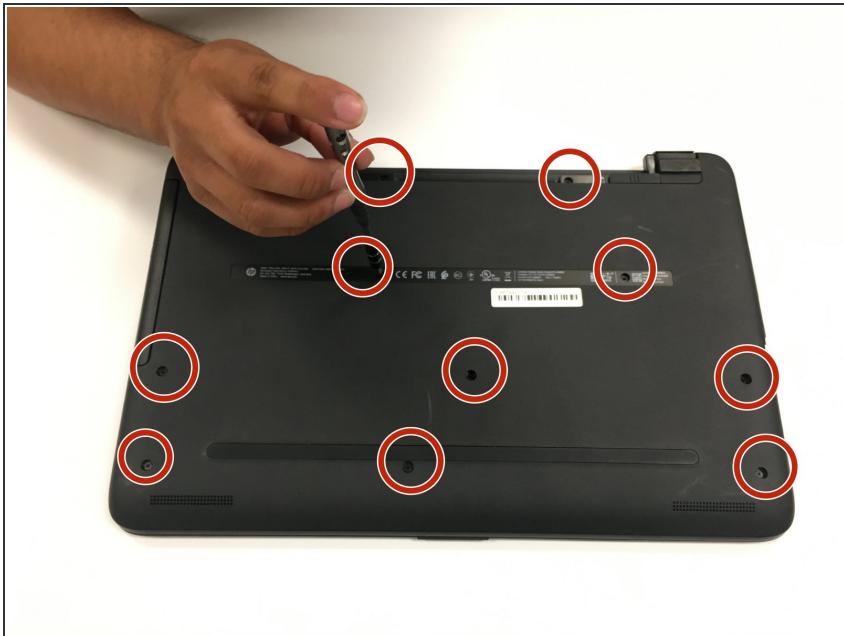
- Slide the two battery lock latches on the back of the device to the “unlock” position.

Step 2



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

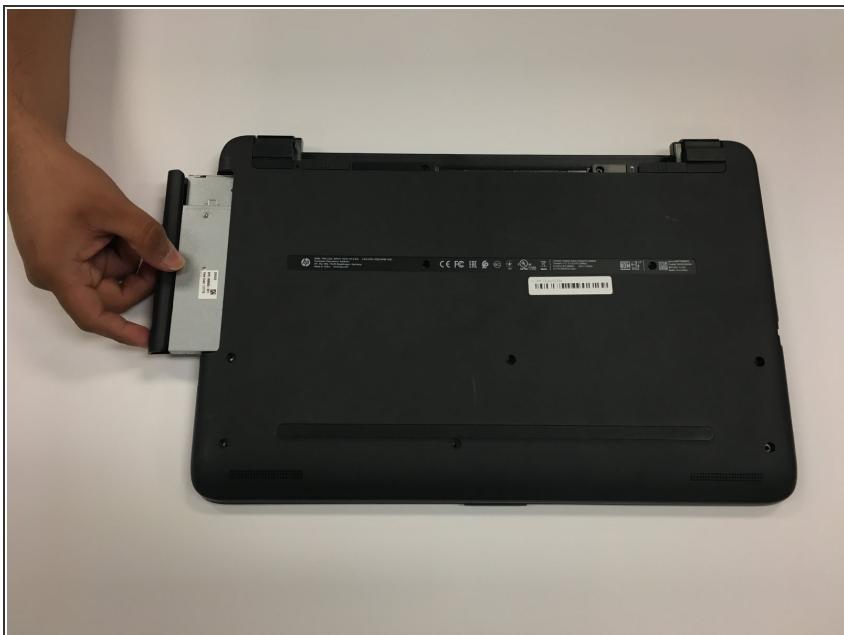
Step 3 — Back Panel



- 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 off the device.

Step 5



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

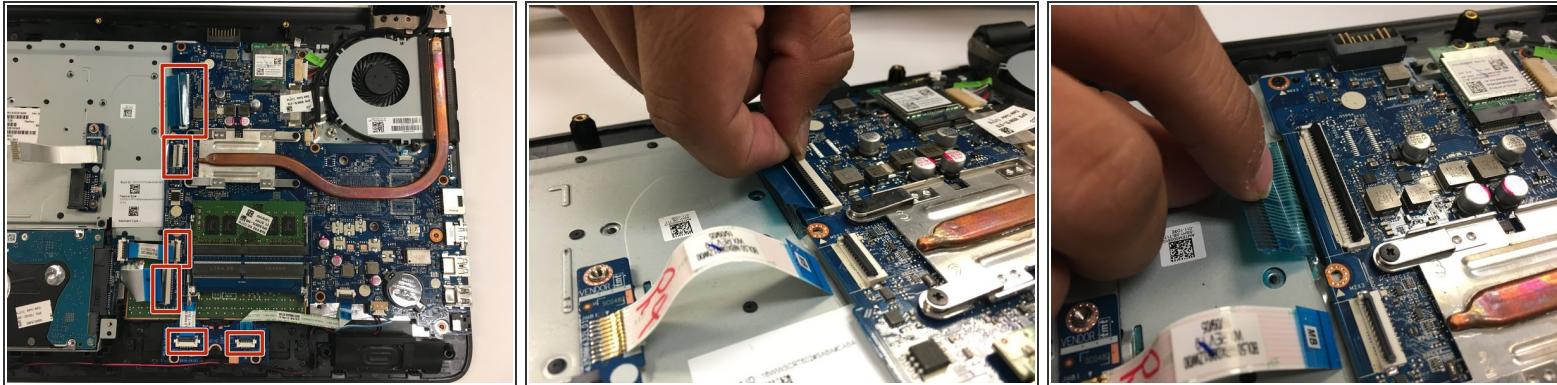
Step 7



- Carefully remove the back panel from the device.

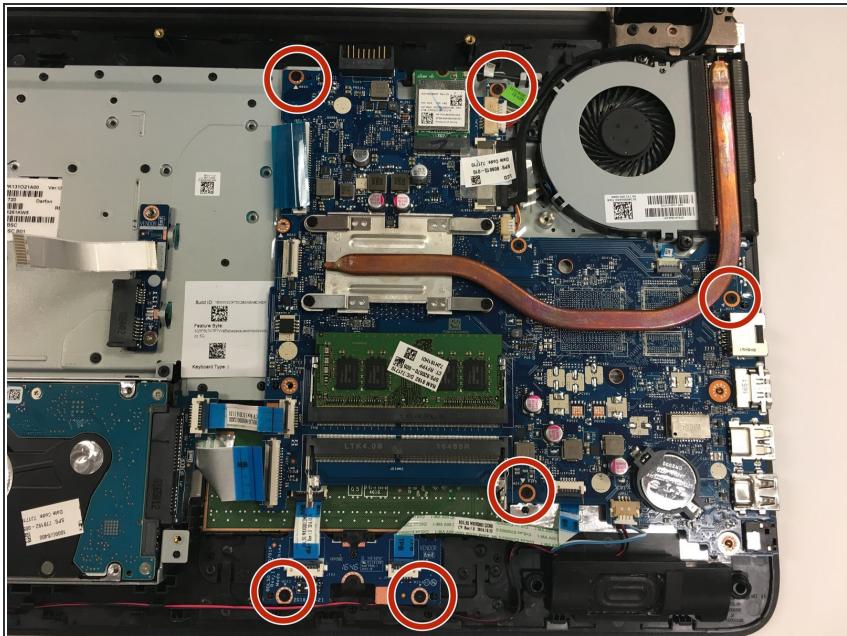
i If you are unable to do this with your hands, you can use a thin prying tool of your choice to make it easier!

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.

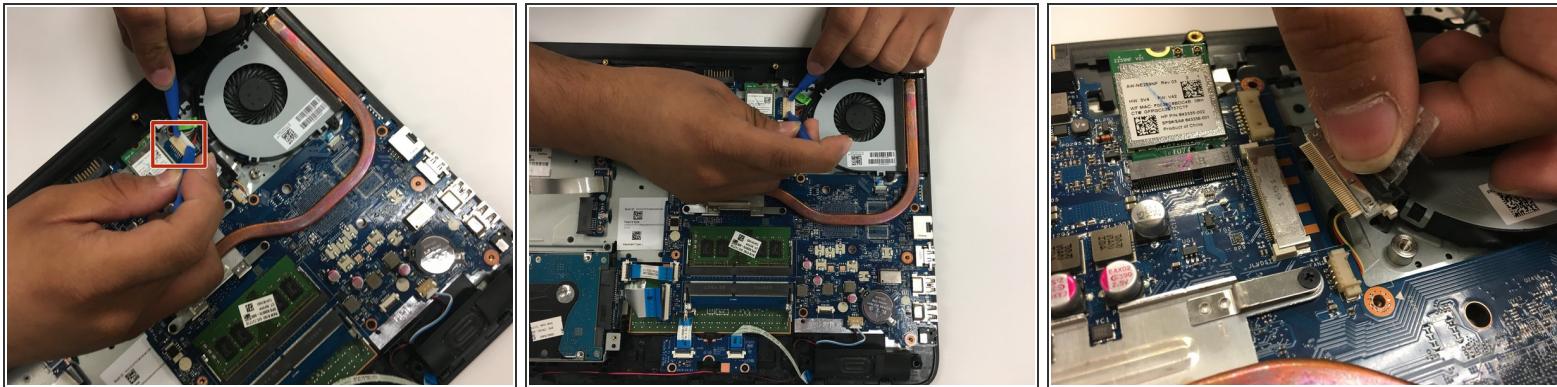
Step 9



- Remove the six 5/16 in. screws holding the motherboard onto the device using the P1 philips-head screwdriver.

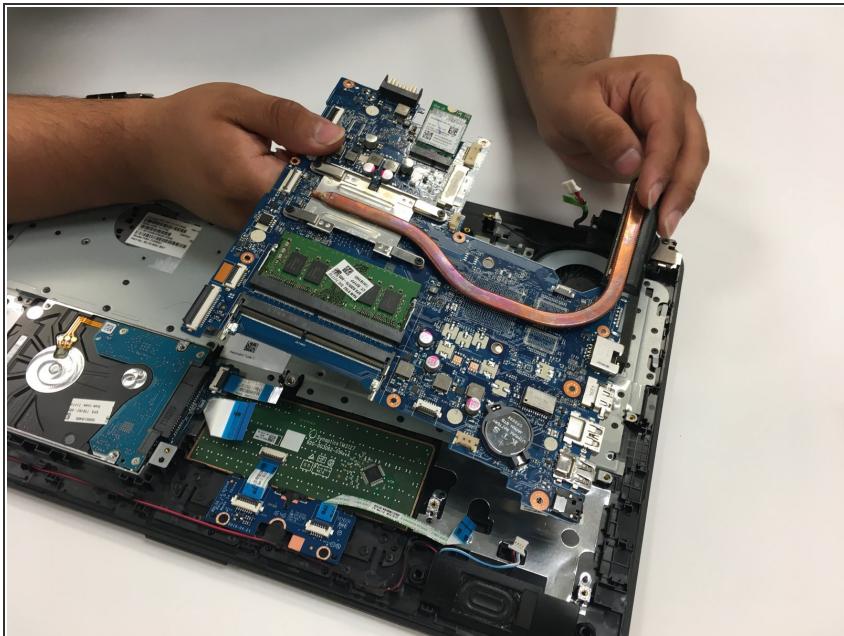
 Be sure to keep them together!

Step 10



- Disconnect the wire securing the whole motherboard located at the top to the motherboard.
- *(i)* 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.