



HP 15-ay103dx Motherboard Replacement

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

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TOOLS:

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

Step 1 — Battery



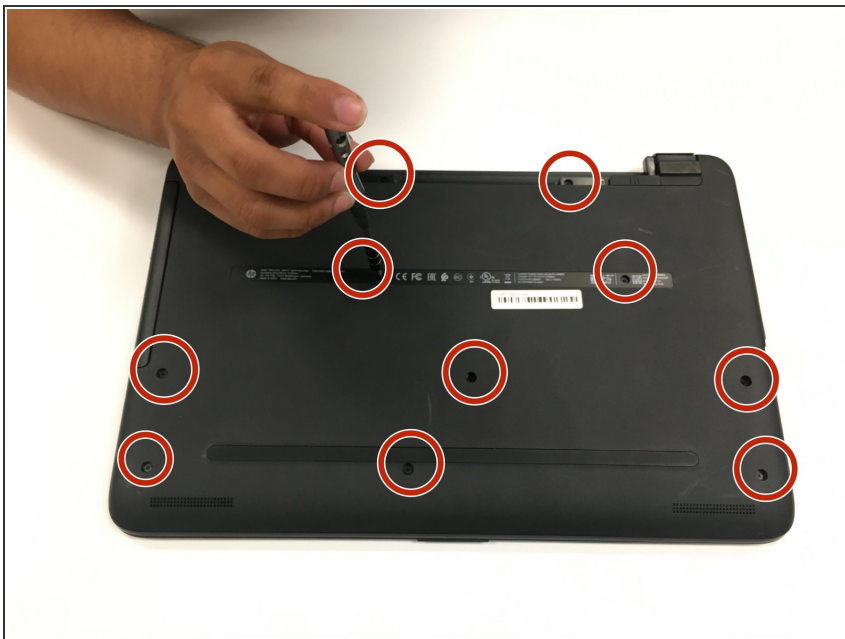
- Slide the two battery lock latches on the back of the device to the “unlock” position.

Step 2



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

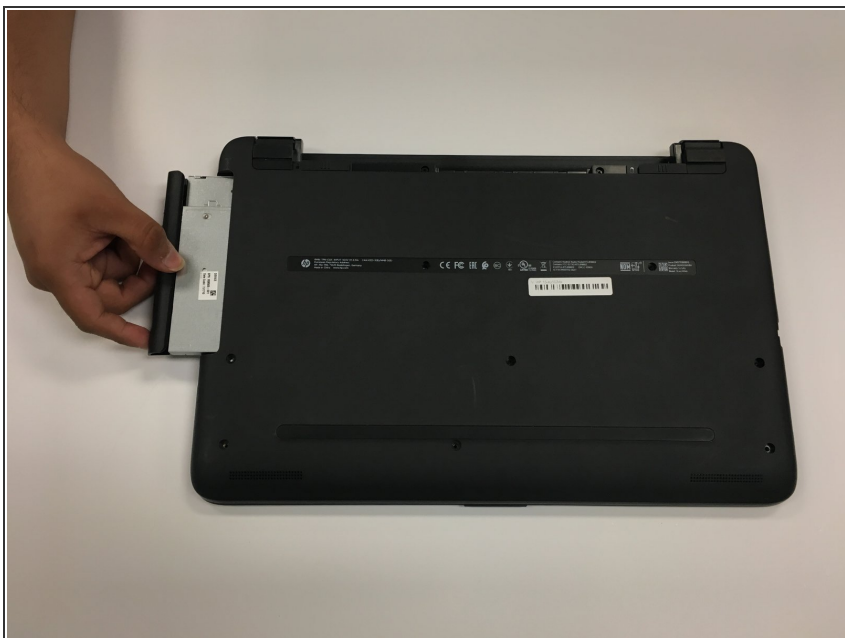
Step 3 — Back Panel



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

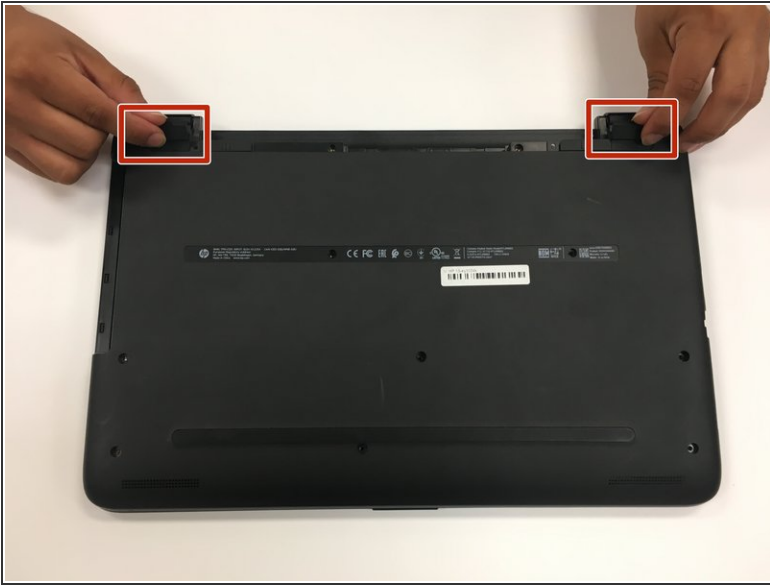
⚠ There should be 10 in total, be sure to keep them together!

Step 4



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

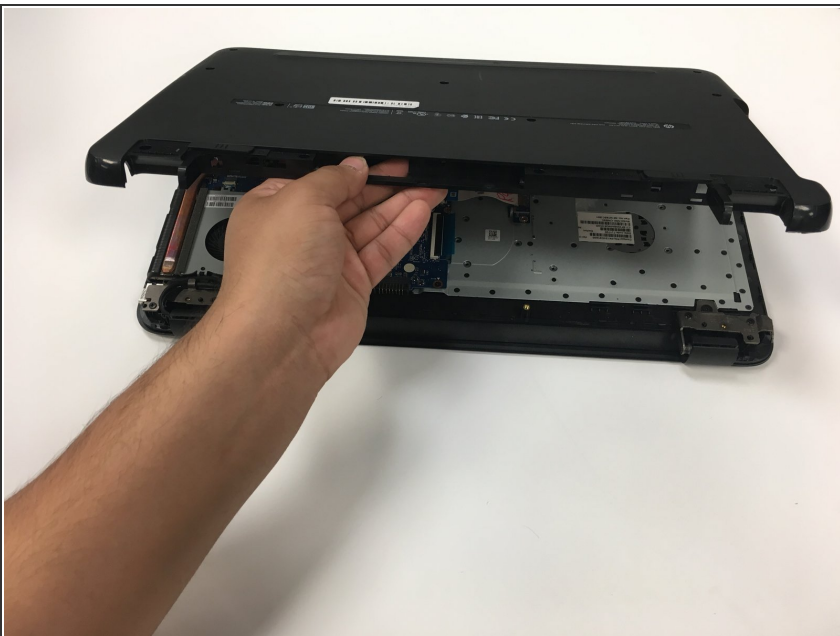
Step 6



- 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

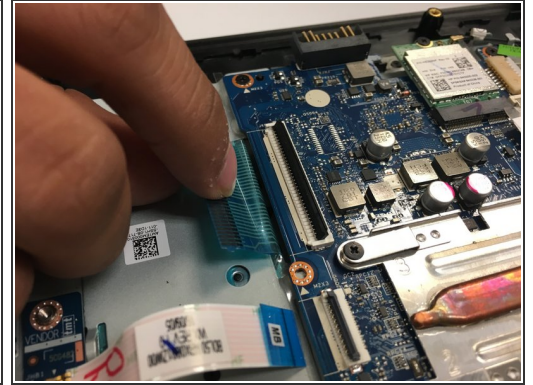
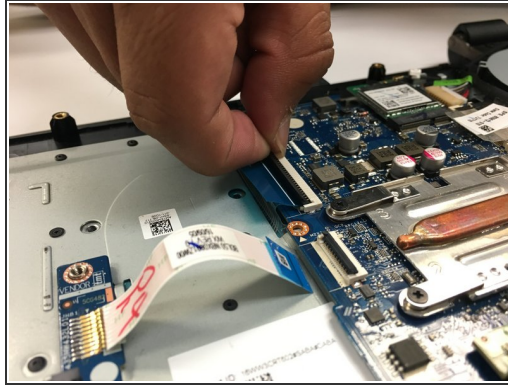
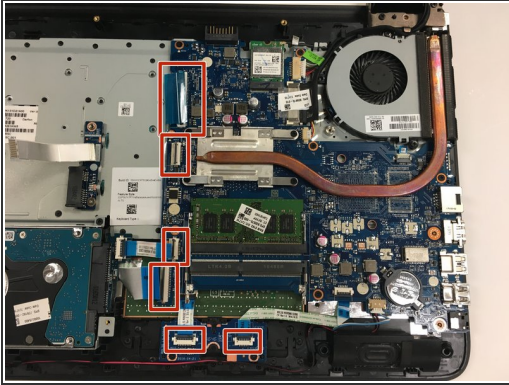
⚠ Be sure to keep the screws together!

Step 7



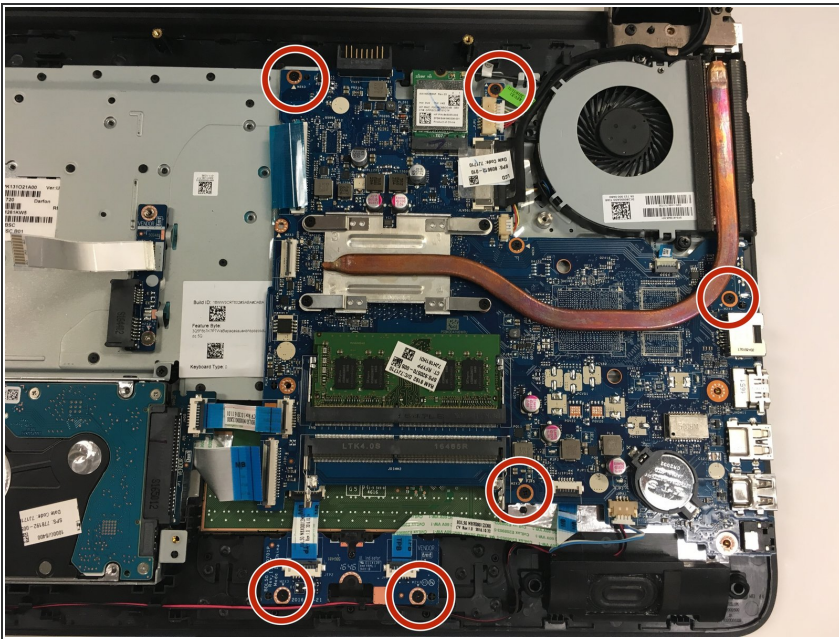
- Carefully remove the back panel from the device.
- ⓘ If you are unable to do this with your hands, you can use a thin prying tool of your choice to make it easier!

Step 8 — Motherboard



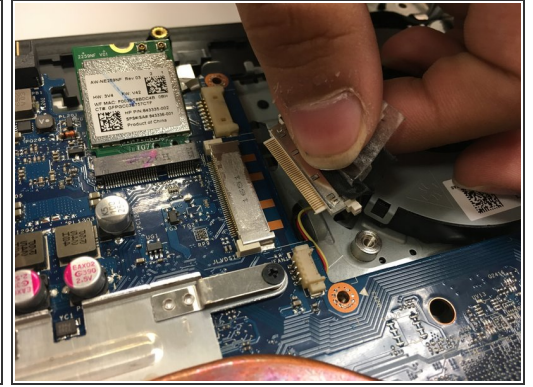
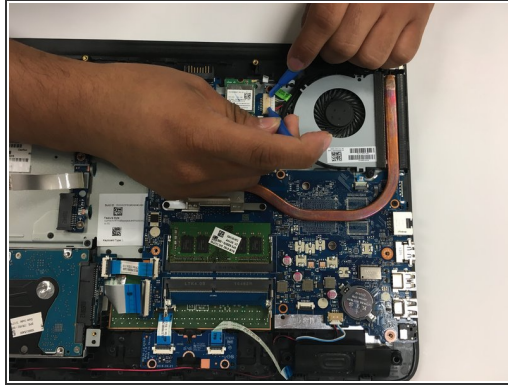
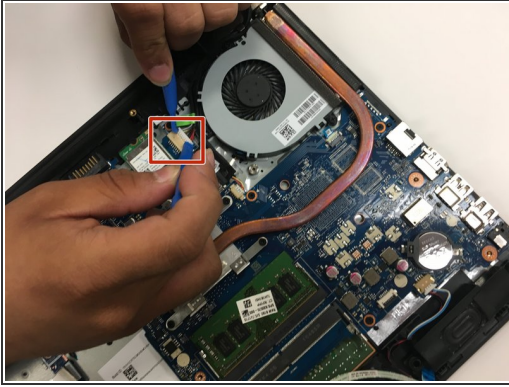
- Disconnect the wires around the motherboard securing it to the device.
- i** To do this, flip the black "switches" securing the wires into place upwards.

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!

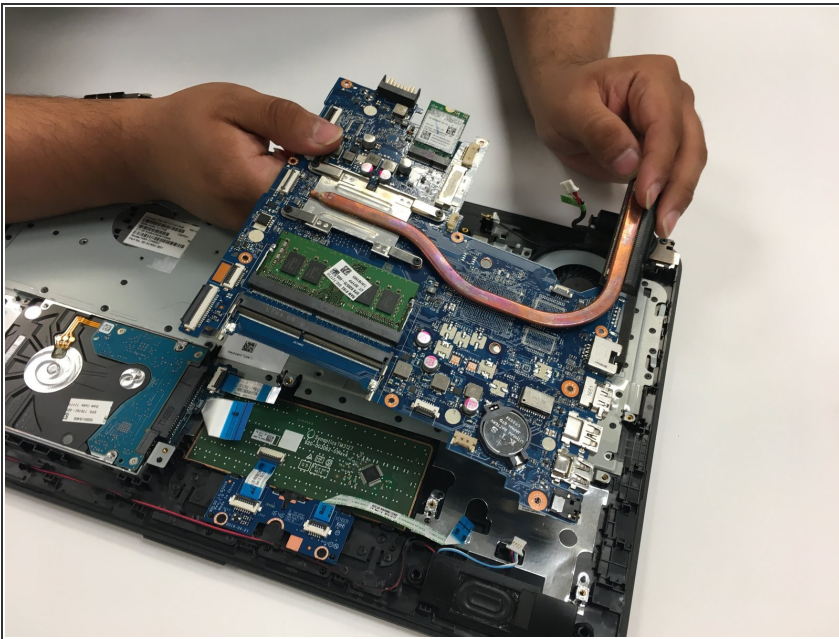
Step 10



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

 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.