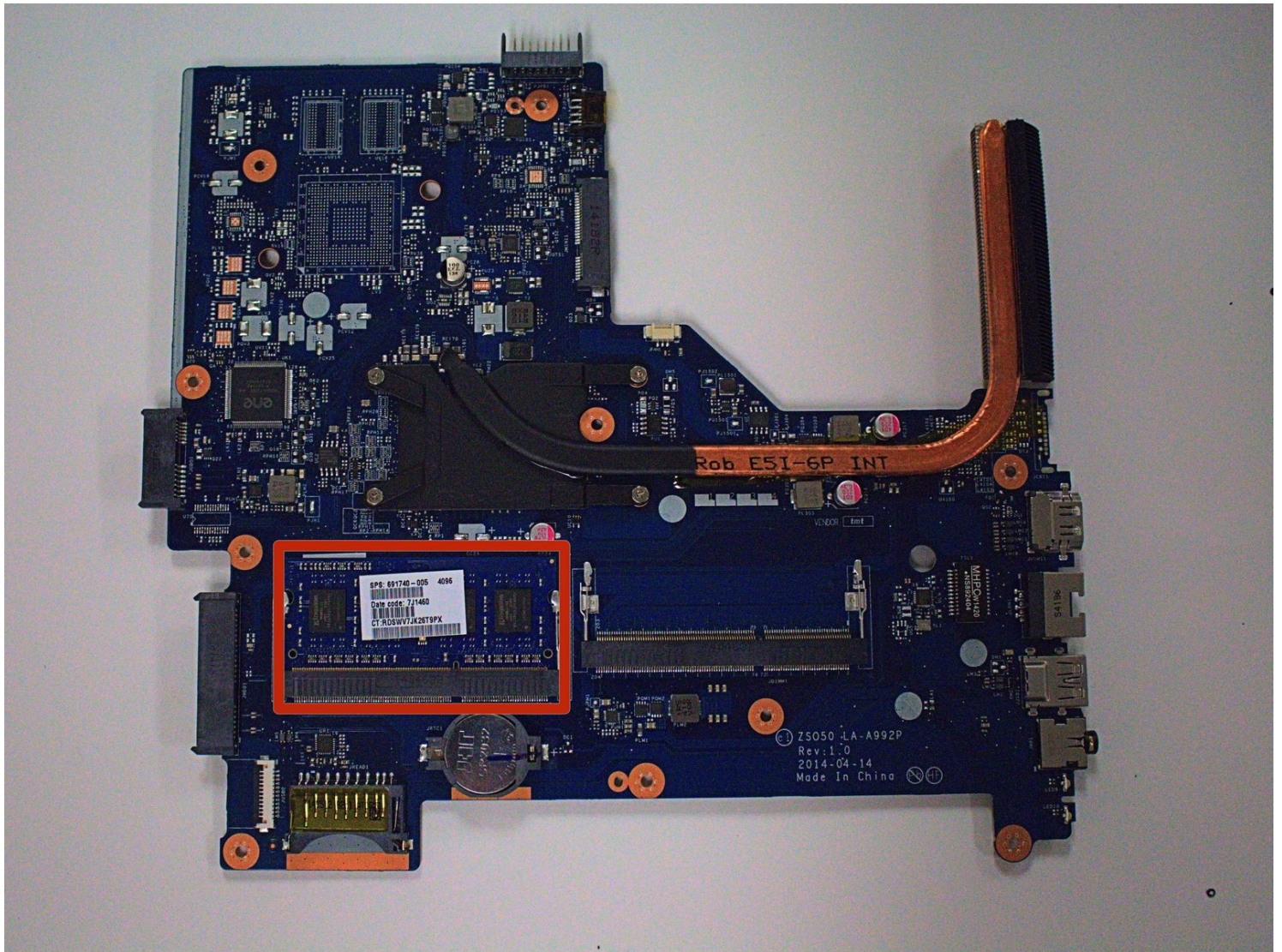# HP TouchSmart 15-r015dx RAM Replacement

The HP TouchSmart 15-r015dx has 4 GB of RAM.

Written By: Jacob Kleinsorge

INTRODUCTION

The HP TouchSmart 15-r015dx has 4 GB of RAM.

🔧 TOOLS:

[iFixit Opening Tool](#) (1)
[Phillips #00 Screwdriver](#) (1)

Step 1 — Battery

ⓘ Turn off your laptop.

⚠ Ensure your laptop is off. Removing the battery while it is on may harm your laptop or yourself.

● Flip over to view the bottom of the laptop in order to gain access the battery and the DVD±RW Drive.

Step 2

- There are two battery release switches circled.

Step 3

- slide release switches inward towards each other to release battery.

Step 4

- after sliding the release switches, pull battery towards yourself to remove battery.

Step 5 — DVD±RW Drive

- There is one screw holding the DVD±RW Drive in place. Use the #00 screwdriver to remove the screw.

Step 6

- The DVD±RW Drive is here. Remove by gently pulling it straight out.

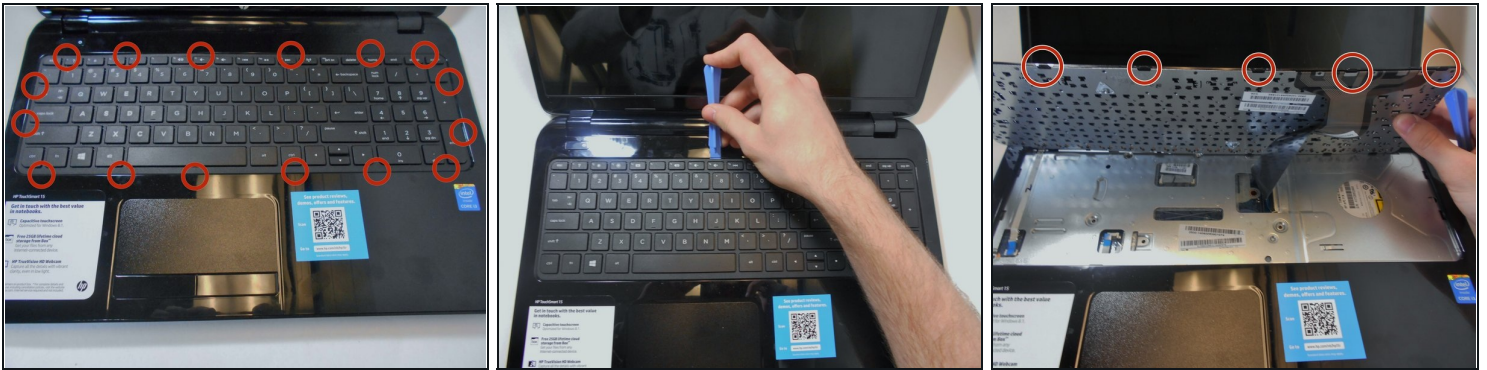- After removal of the DVD±RW Drive, two screws are exposed and must be removed.

Step 7 — Keyboard

- Using your Phillips #00 screwdriver, remove the two screws to loosen the fittings of the keyboard.
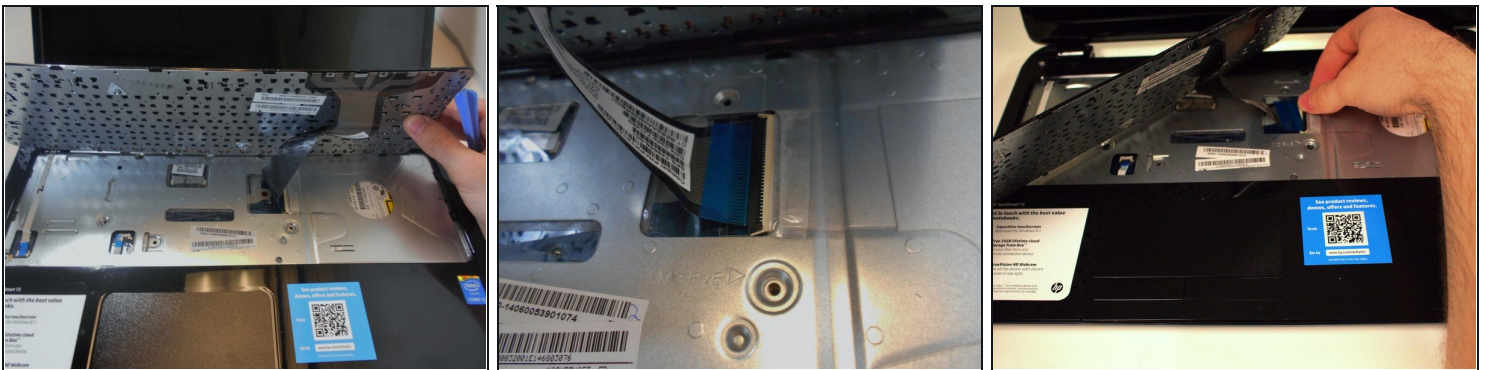 - ⓘ One of the screws lies in the label.

Step 8

- Flip the laptop over to view the top and lift the screen up.

- There are sixteen clips holding the keyboard in place. Gently pry up each clip using a plastic opening tool. Once all clips are loose, lift the keyboard from the computer.

⚠ Do NOT pull the keyboard up more than 2-3 inches as there is a film-material connecting the keyboard to the laptop.
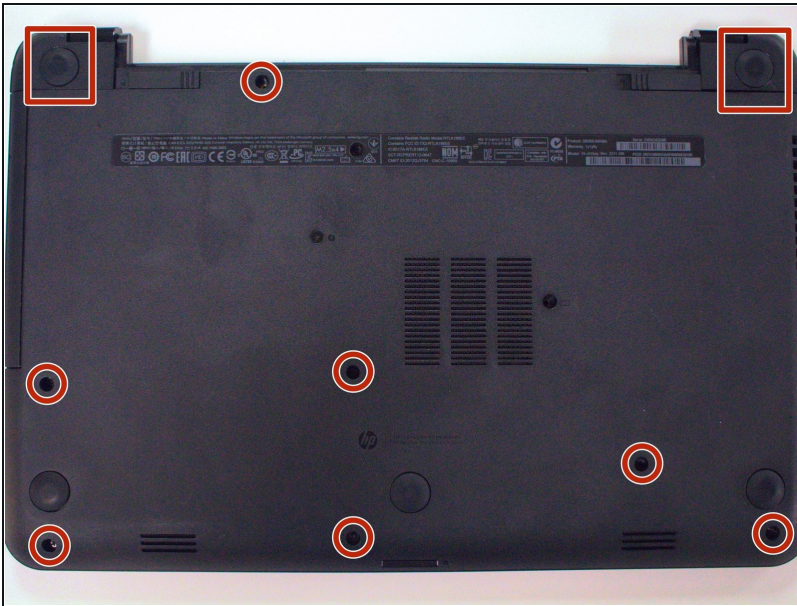
Step 9

ⓘ There is a small black latch holding the film-material in place.

- Flip the black latch up to release the film-material. Once flipped up, simply pull the film-material out from the laptop to release the keyboard.
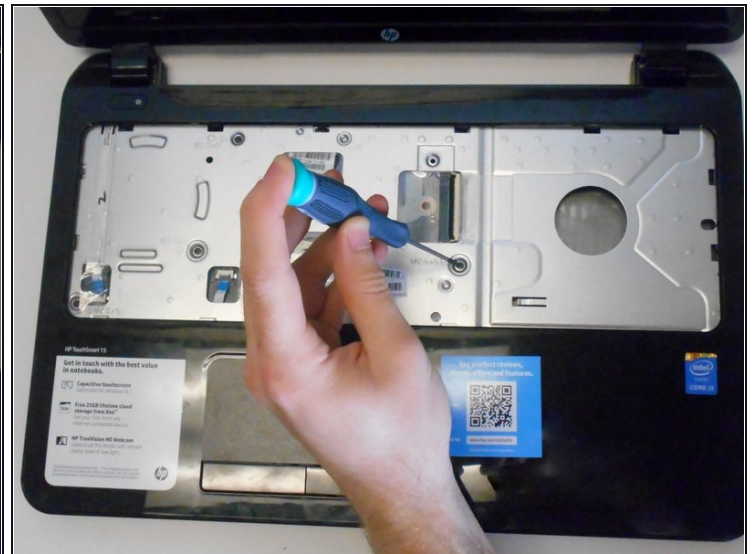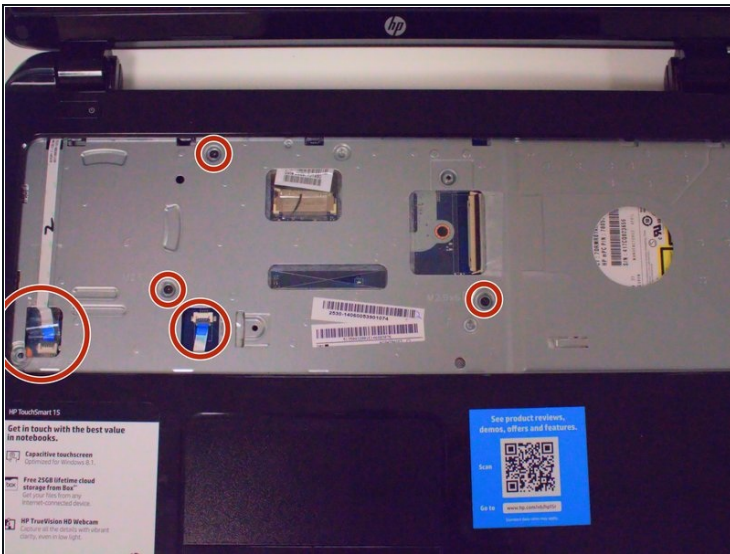
⚠ There are tiny prongs on the ribbon; it must be carefully removed and upon re-installation the prongs must be lined up exactly in each tiny track in order for the keyboard to work.

Step 10 — Hard Drive

- Flip the laptop over to view the bottom and remove the remaining screws from the bottom.

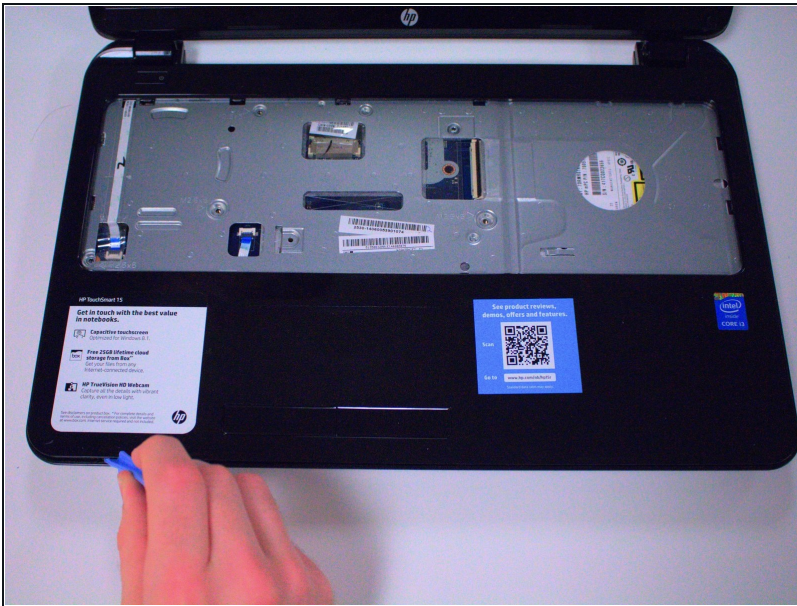- ⓘ There are 2 screws located underneath the covers.

Step 11

- Flip your laptop over to view top and open it.

- Remove the four screws and the two wires before removing the base of the laptop.

- ⚠ The metal prongs that wires fit onto stay attached to the computer and can be easily bent when trying to remove or place the plastic piece on to secure the wire. Also pay attention to how the plastic piece looks when you take them off (i.e. which side is up and facing out).
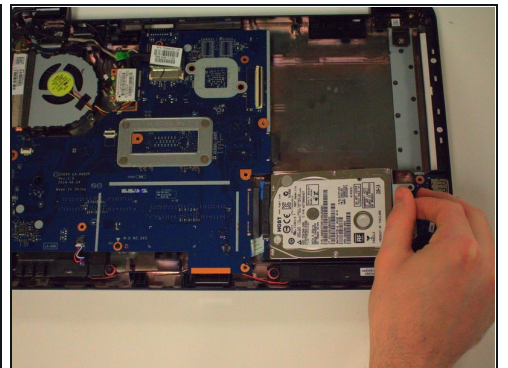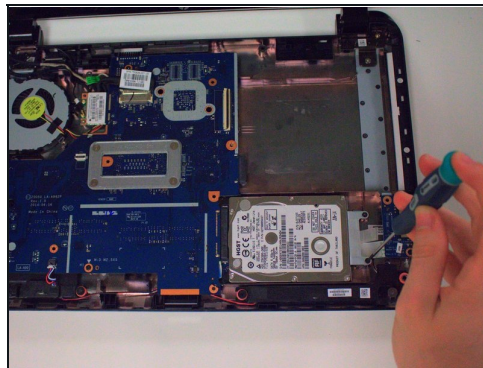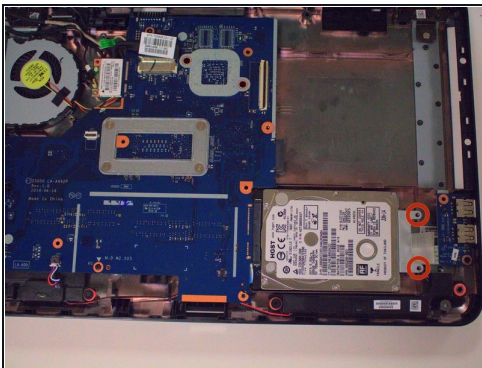
Step 12

- Use your plastic opening tool to pry the base of the laptop off.
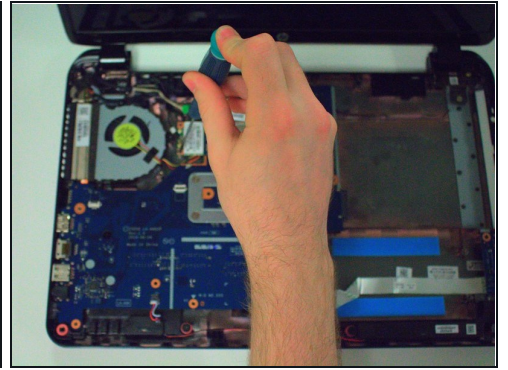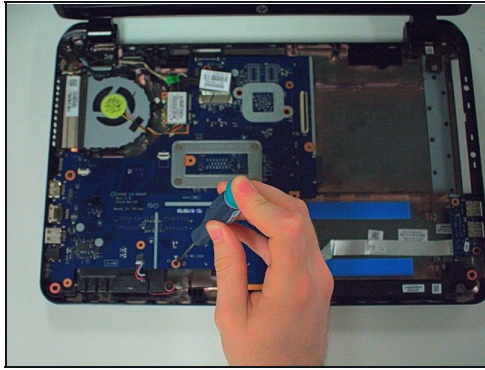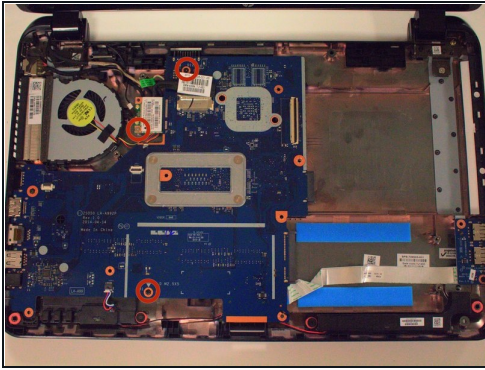
Step 13

- There are two screws holding the hard drive in place. Remove these screws.

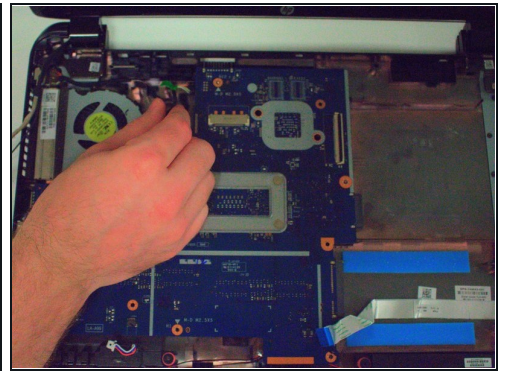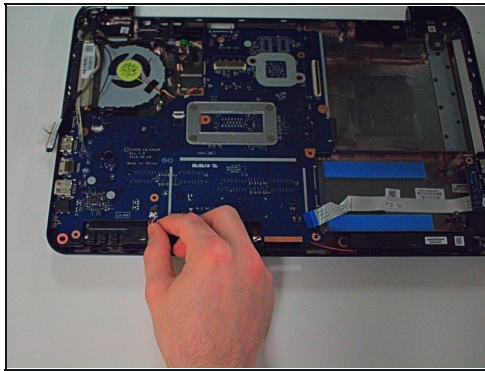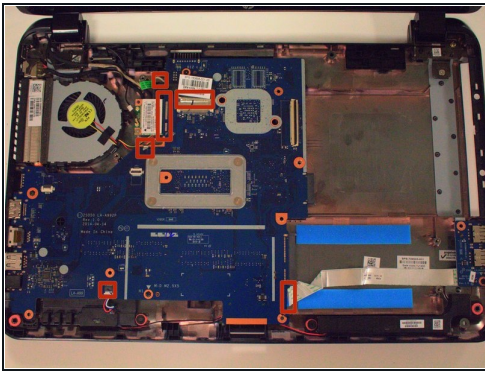- Remove the hard drive by pulling it to the right like shown.
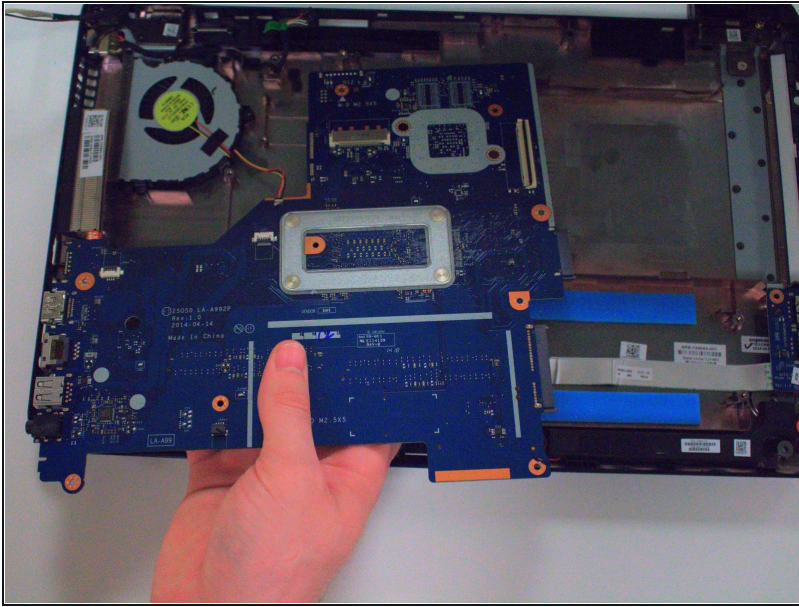
Step 14 — Motherboard

- There are 3 screws holding the motherboard in place.

- Unscrew the screws to release the motherboard.
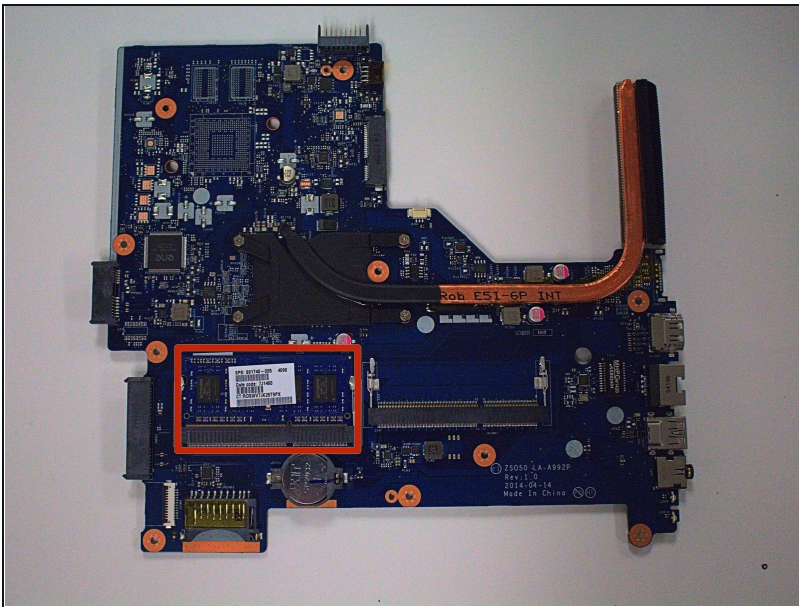
Step 15

- There are several wires that need to be disconnected from the motherboard.

- Remove the wires carefully.

Step 16

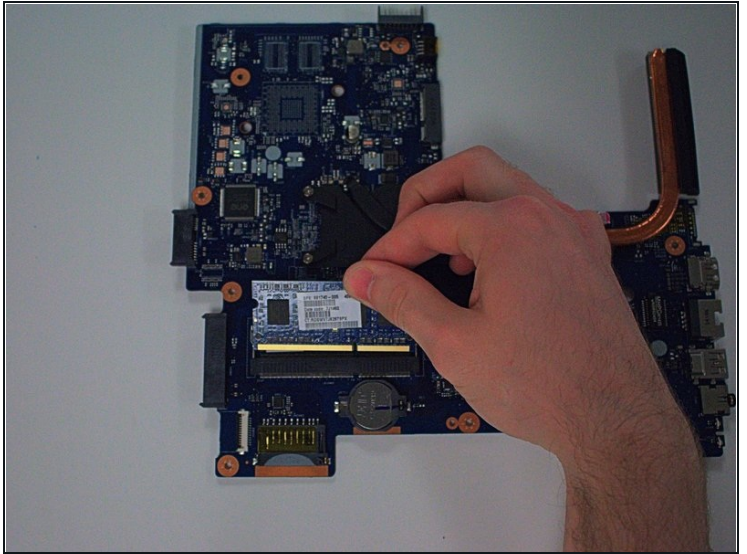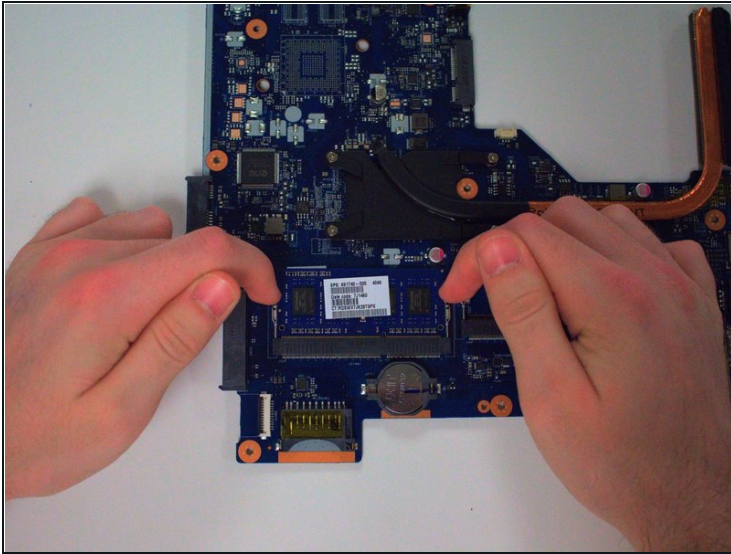- After removing all the wires, pull the motherboard out.

Step 17 — RAM

- ⓘ Put the motherboard on a hard, flat surface to avoid damaging it.

- The RAM is marked in red.

Step 18

- There are two switches holding the RAM in place that need to be moved.

- After the switches are released, simply pull the RAM up as shown.

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