



Acer Aspire E1-470P-6659 Motherboard Replacement

How to replace the motherboard in an Acer Aspire E1-470P-6659

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INTRODUCTION

If you have problems with the motherboard, or the motherboard needs to be replaced or repaired, use this guide to remove and replace your motherboard.

TOOLS:

- [iFixit Opening Tools](#) (1)
 - [Tweezers](#) (1)
 - [Spudger](#) (1)
 - [Phillips #0 Screwdriver](#) (1)
 - [Phillips #000 Screwdriver](#) (1)
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Step 1 — Battery



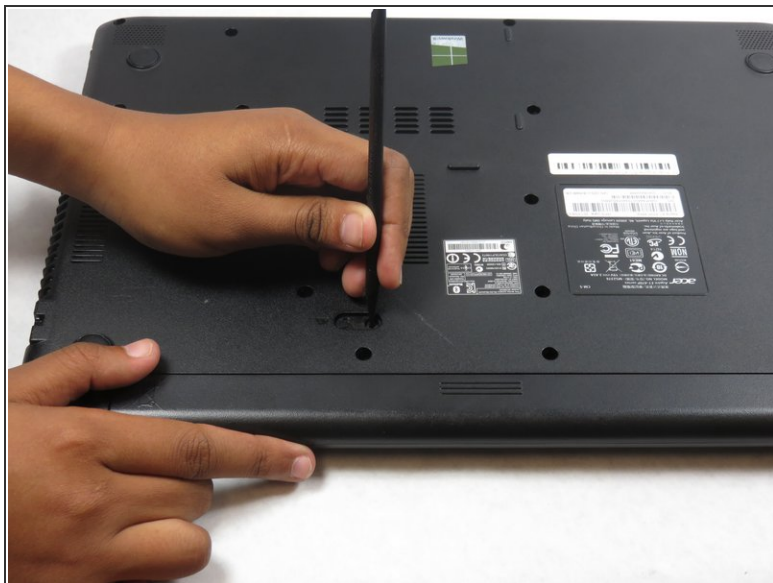
- Turn off the laptop and disconnect all device cords.

Step 2



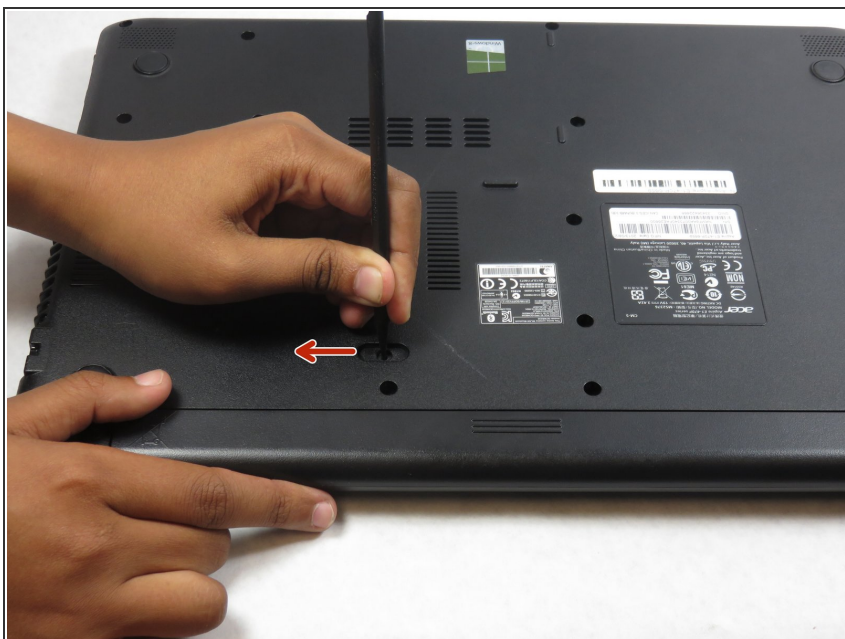
- Flip the laptop over so the bottom is facing you.

Step 3



- Insert the tip of the Plastic #3 Spudger into the battery release switch.

Step 4



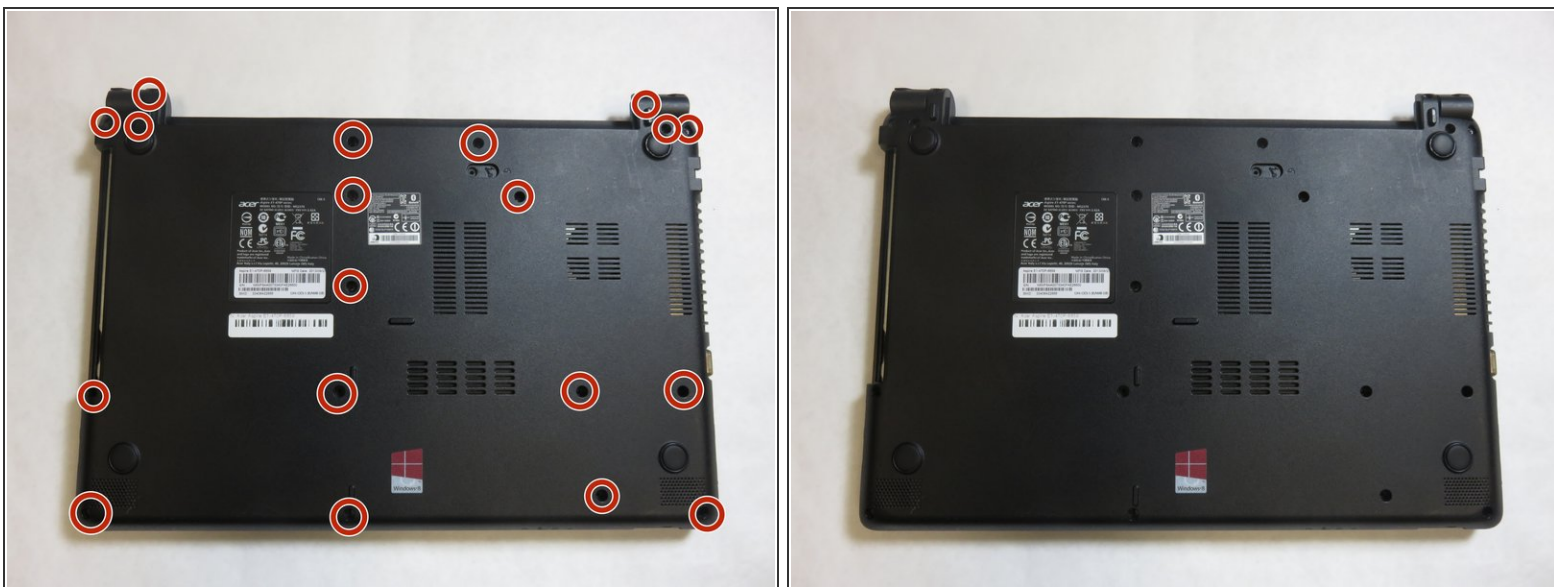
- Press down and slide to the right and hold in that position.

Step 5



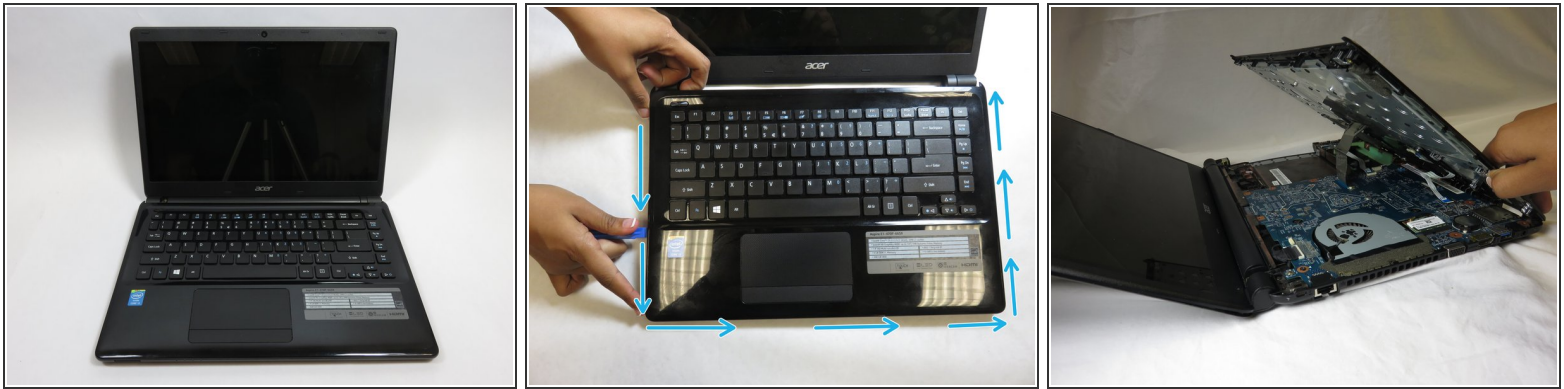
- Take your other hand to slide the battery away from the laptop to remove.

Step 6 — Hard Drive



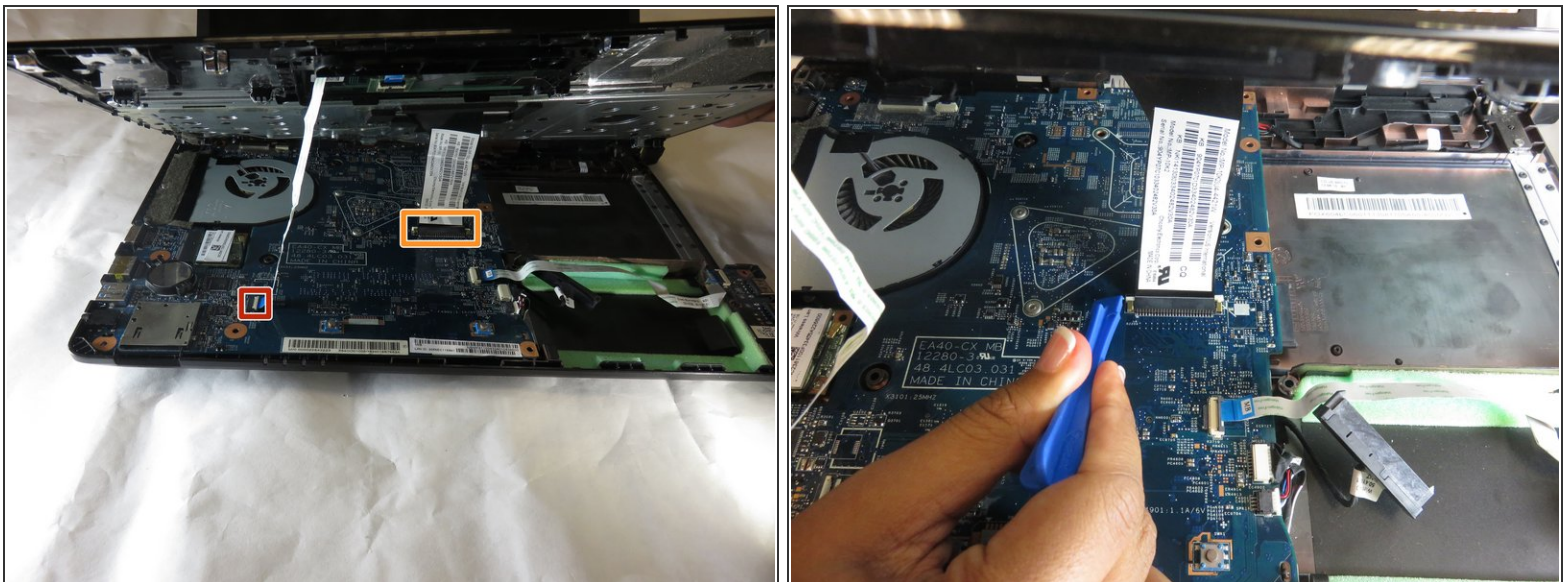
- Remove nineteen screws from the back panel using a Phillips #0 Screwdriver .

Step 7



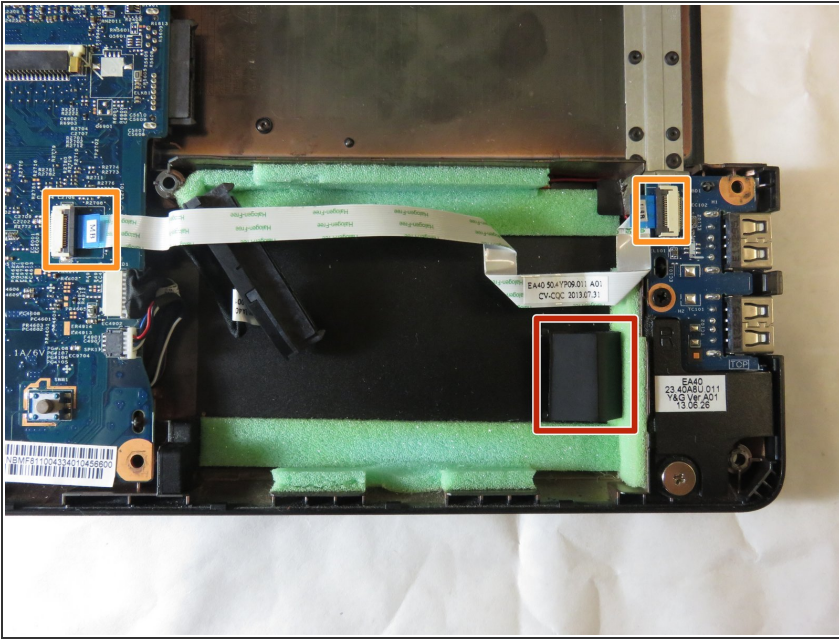
- Run the plastic opening tool across from one corner to another along the edge.
 - Separate the keyboard panel gently.
- ⚠ Lift the keyboard slowly from the laptop but do not lift completely because there are ribbon cables attached.

Step 8



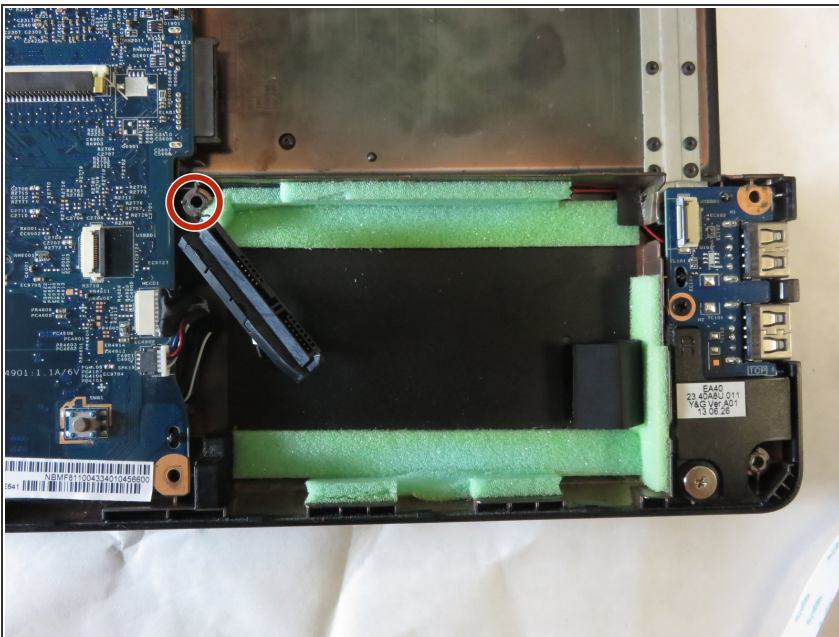
- Disconnect the two keyboard assembly ribbon cables from motherboard.
- To release small ribbon cable, use spudger or fingers to flip gray bar along edge over.
- To release larger ribbon cable, use pry tool or spudger to slide white plastic clip forward.

Step 9



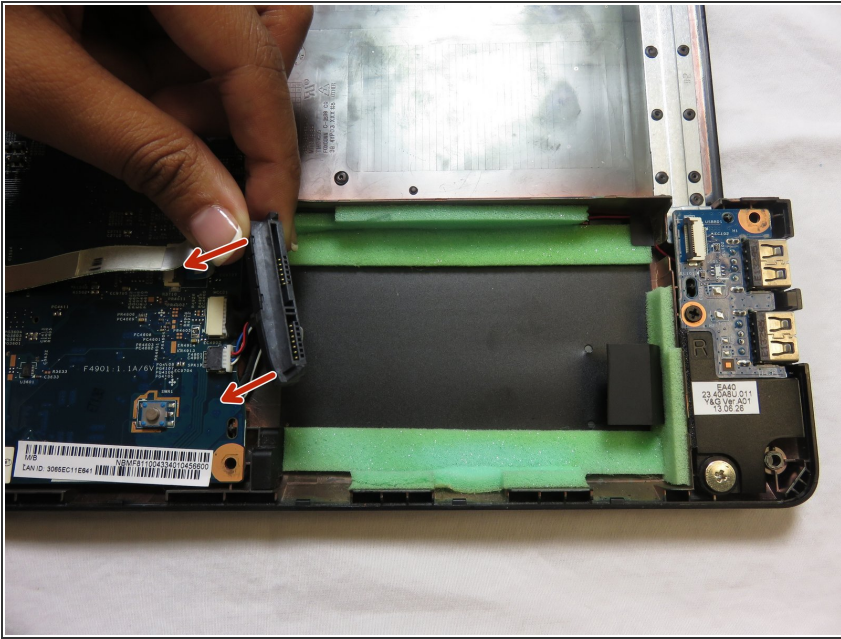
- Pull up the release tab beside the hard drive.
- Disconnect portion of ribbon cable that is covering the hard drive.
- ⚠ Handle the ribbon carefully. Do not break the metal contact.
- ★ While reconnecting the ribbon after replacing a new hard drive, face the blue side with a label up. Make sure the black line beside the sticker is not crooked, so that the ribbon is tight.

Step 10



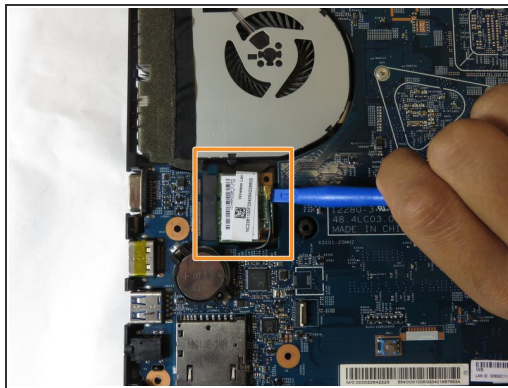
- Remove the hard drive screw using Phillips #0 Screwdriver.

Step 11



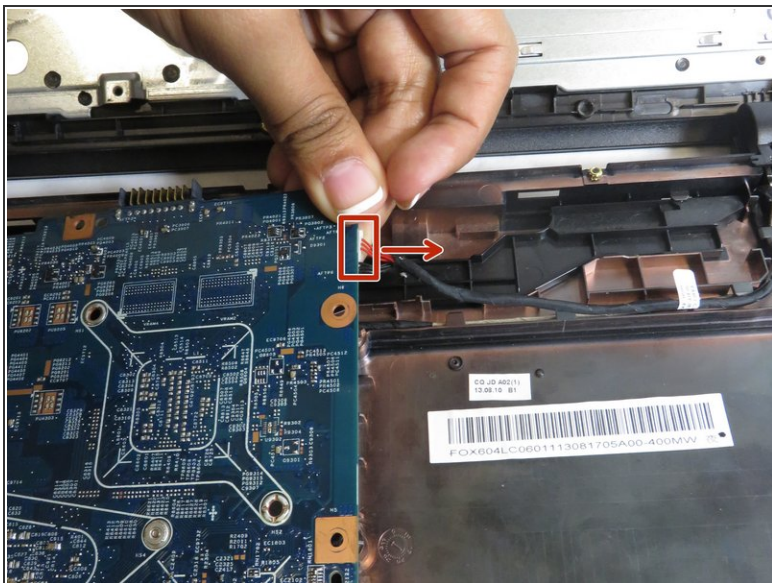
- Pull the hard drive out gently. Be aware that it is connected to the adapter.
- Gently remove adapter by pulling on both ends simultaneously to separate it from the hard drive.

Step 12 — Motherboard



- Remove additional screws that can be found on the motherboard.
- Remove the green wifi card from motherboard.
- Use spudger to disconnect the fan and motherboard from laptop.

Step 13



- Remove the cable attached to motherboard.
- Gently lift and remove the motherboard from the laptop.

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