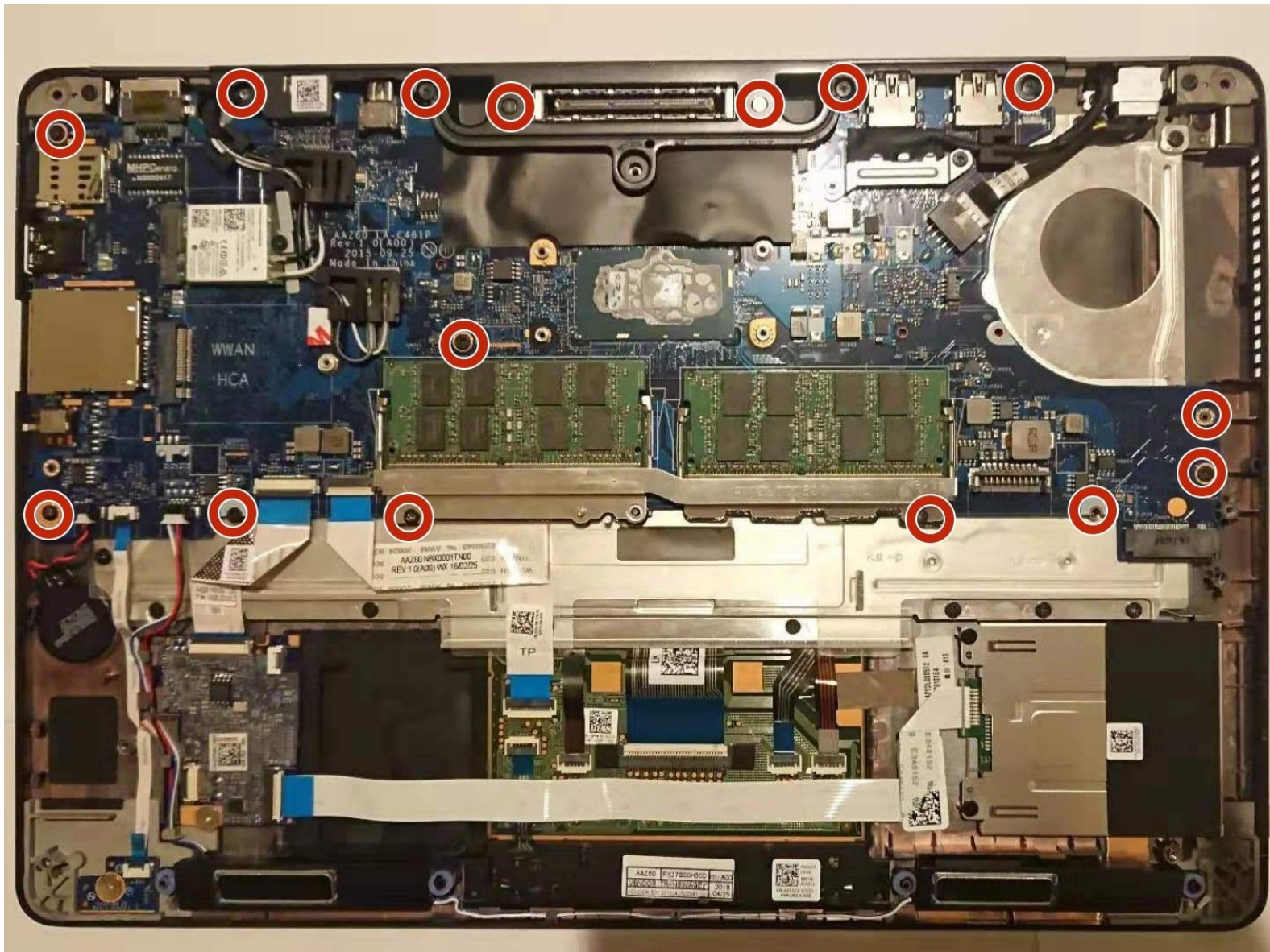




# Dell Latitude E7470 Motherboard Replacement

Use this guide to remove the motherboard in your Dell Latitude E7470 laptop.

Written By: Bo Zeng



# INTRODUCTION

The motherboard is the central hub for communication between all of the components in a device. When one or more components are failing, the motherboard may need to be replaced. Use this guide to replace the motherboard in your laptop.

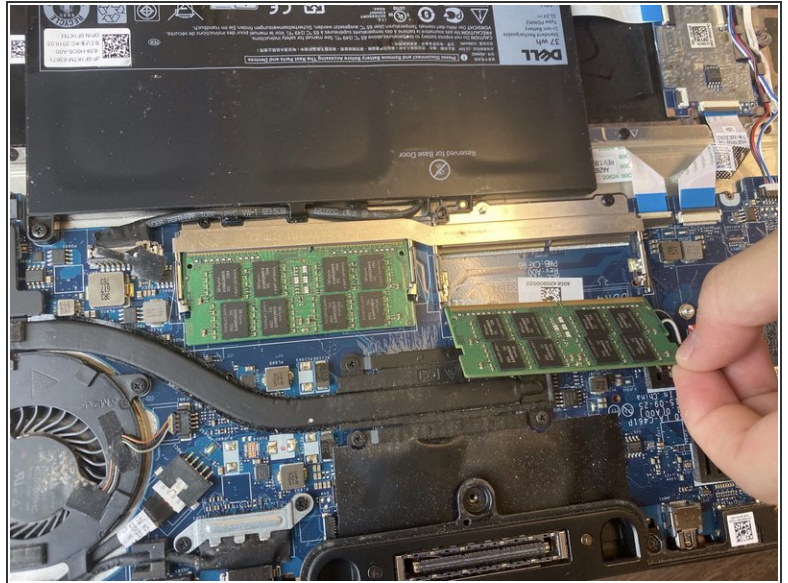
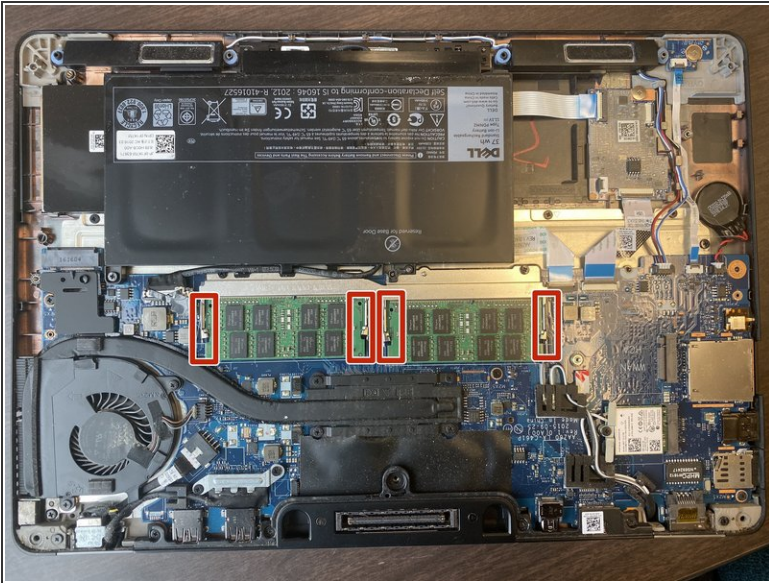


## TOOLS:

- [Phillips #0 Screwdriver](#) (1)
  - [iFixit Opening Tool](#) (1)
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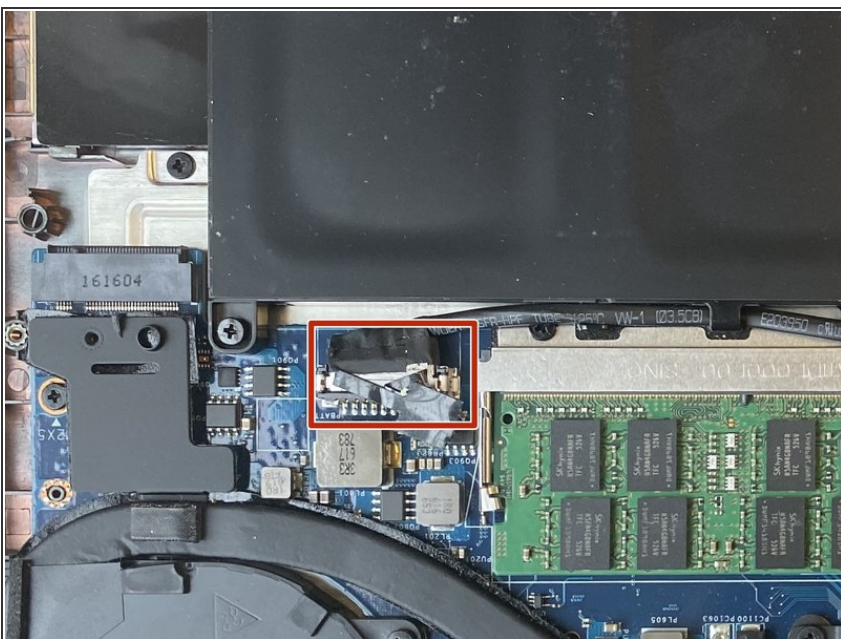


## Step 1 — RAM



- Grab the two clips beside the RAM stick and pull them outward. The RAM stick should release.
- Remove the RAM from the device.
- Repeat this for second RAM stick

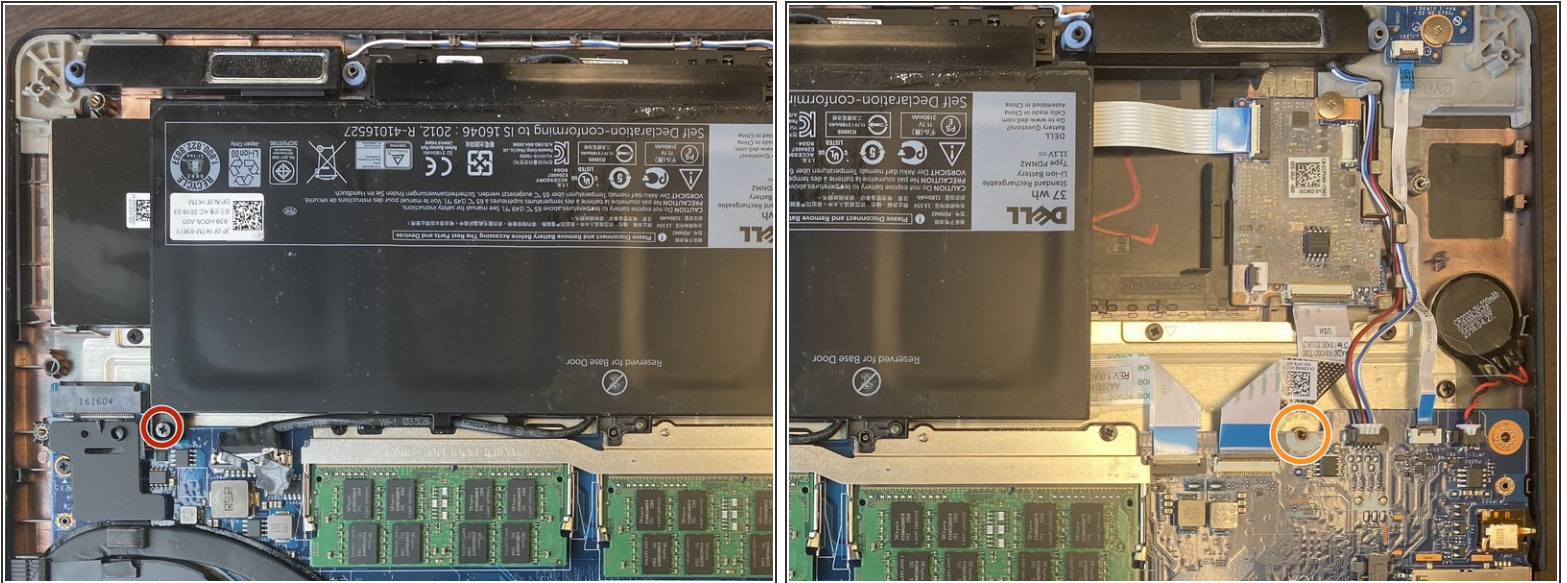
## Step 2 — Battery



- Use the pull tab on the battery connector to lift the connector straight up off its socket on the motherboard, disconnecting it.

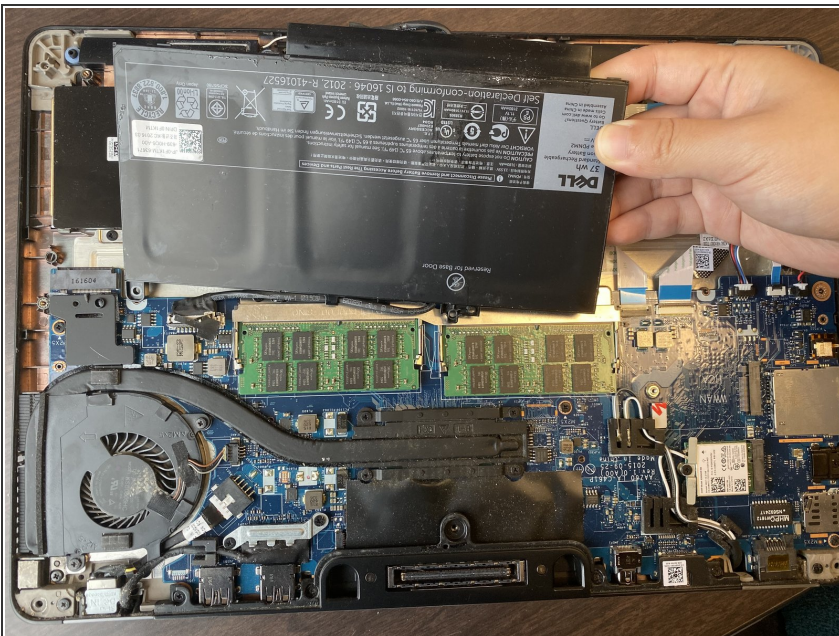


## Step 3



- Remove the single 4 mm Phillips screw securing the bottom left corner of the battery.
- If you are removing an extended capacity battery, remove the Phillips screw securing the bottom right corner of the battery.

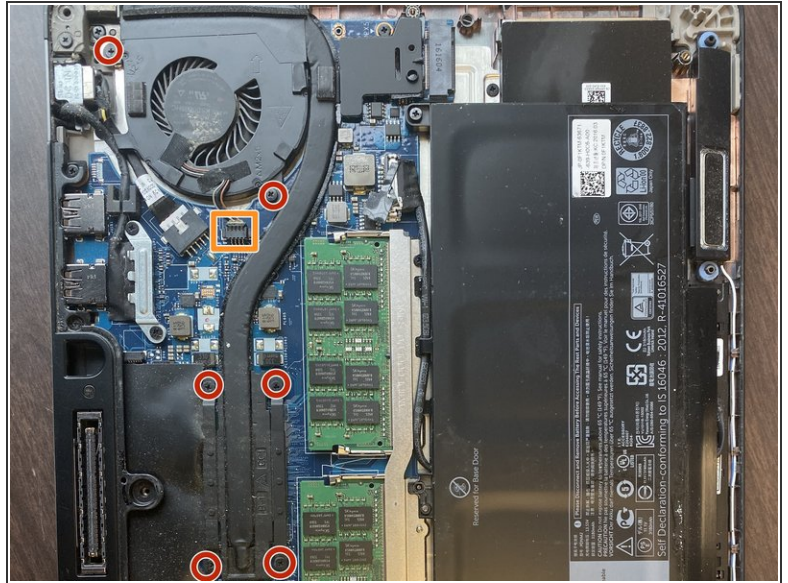
## Step 4



- Remove the battery from the laptop.

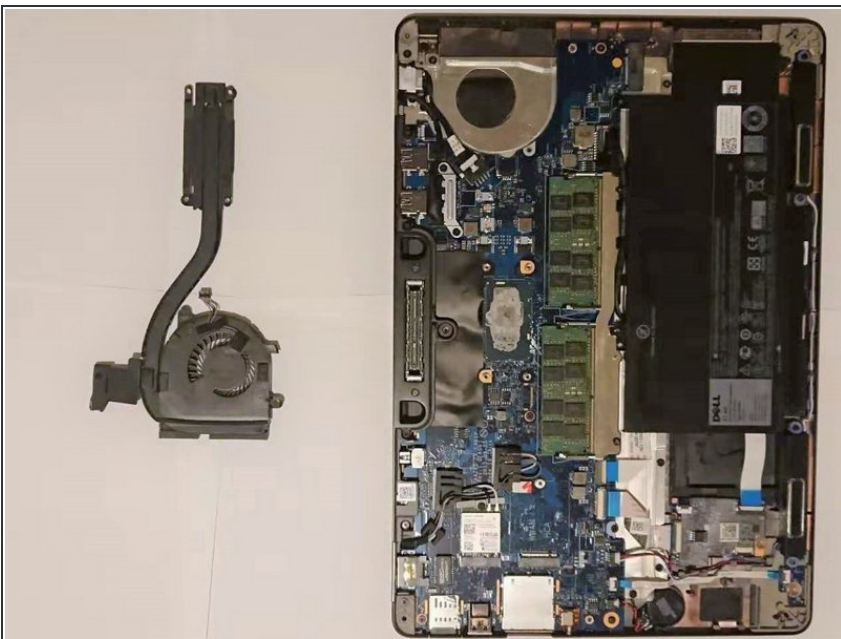


## Step 5 — Fan and Heatsink



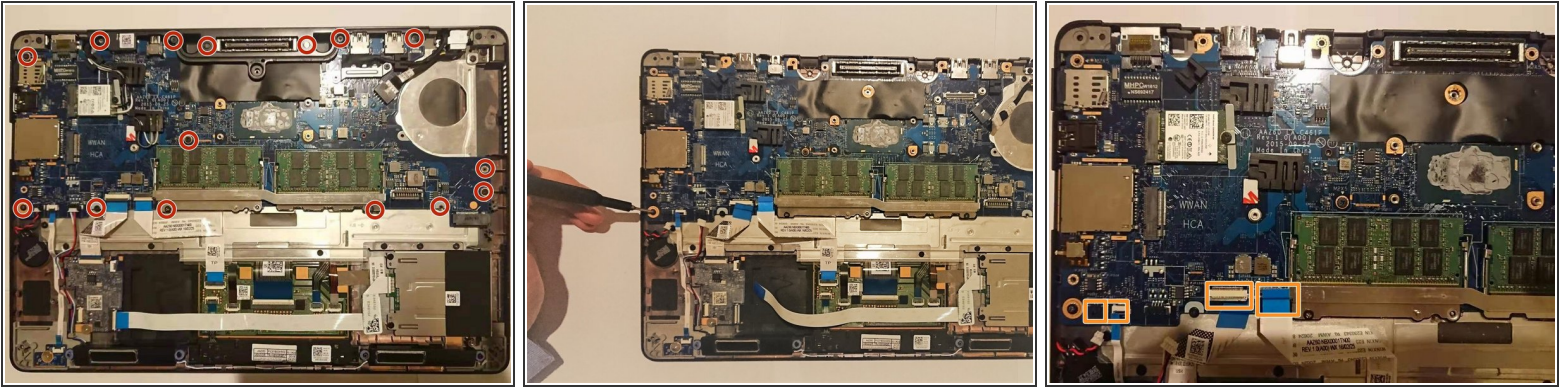
- After opening the backcase of the computer, remove the screws using the Phillips #0 screwdriver.
- Unplug and remove the wire from the socket.

## Step 6



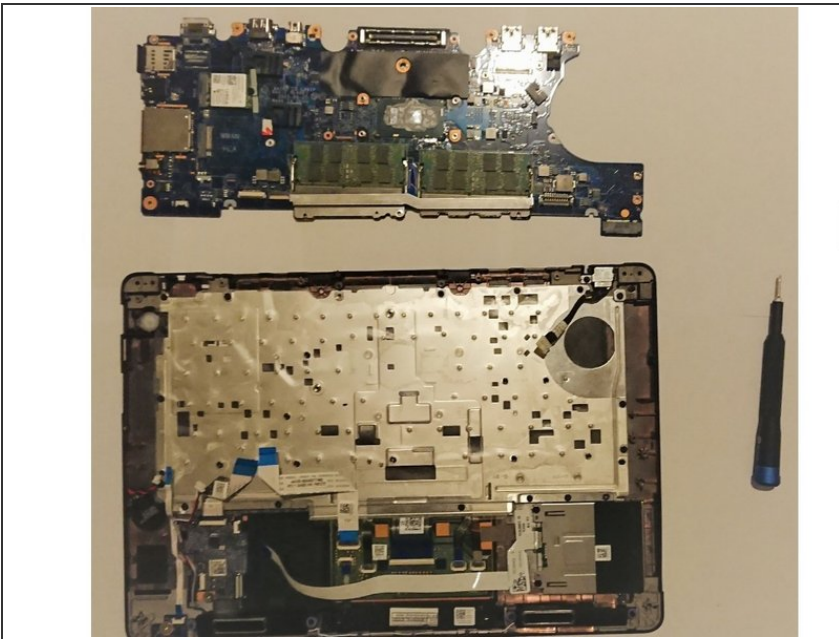
- Remove the fan and heatsink from the laptop.
- ✦ Make sure to wipe off the existing thermal paste from the CPU and heatsink with an alcohol-soaked pad and apply a new layer.

## Step 7 — Motherboard



- Remove all the screws using a Phillips #0 screwdriver.
- Disconnect all of the cables from the motherboard.

## Step 8



- Remove the motherboard from the laptop.

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