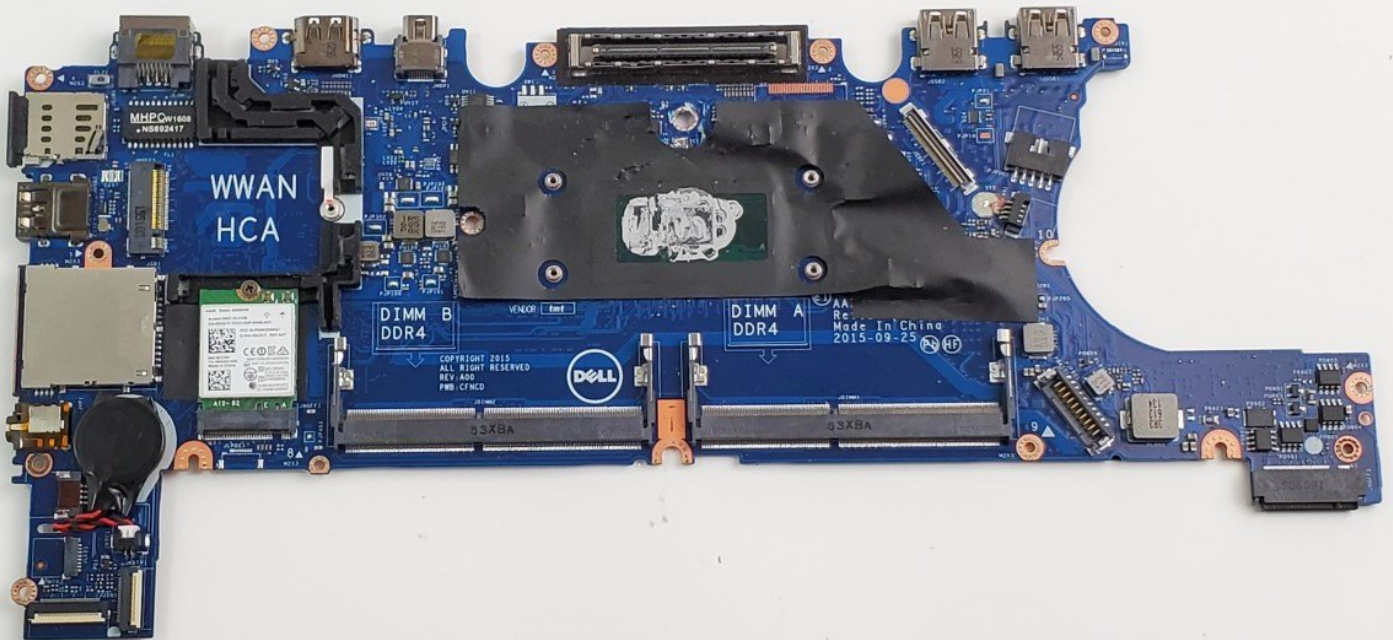# Dell Latitude E7270 Motherboard Removal

Follow this guide to replace the motherboard of your Dell Latitude E7270.

Written By: Jacob Clement

INTRODUCTION

Use this guide to replace a broken motherboard on your Dell Latitude E7270.

The motherboard is what links all your components together to move information around. They are susceptible to age, shortages, and physical damage. A broken motherboard may leave your computer not working at all.

Before using this guide, check out the troubleshooting page to see if your symptoms match any that represent a bad motherboard.

This replacement requires a #00 Phillips head screwdriver.

NOTE: This guide requires removal of the back panel, battery, and cooling fan. The extra prerequisite guide steps are included in this guide.

🔧 TOOLS:

- Phillips #00 Screwdriver (1)

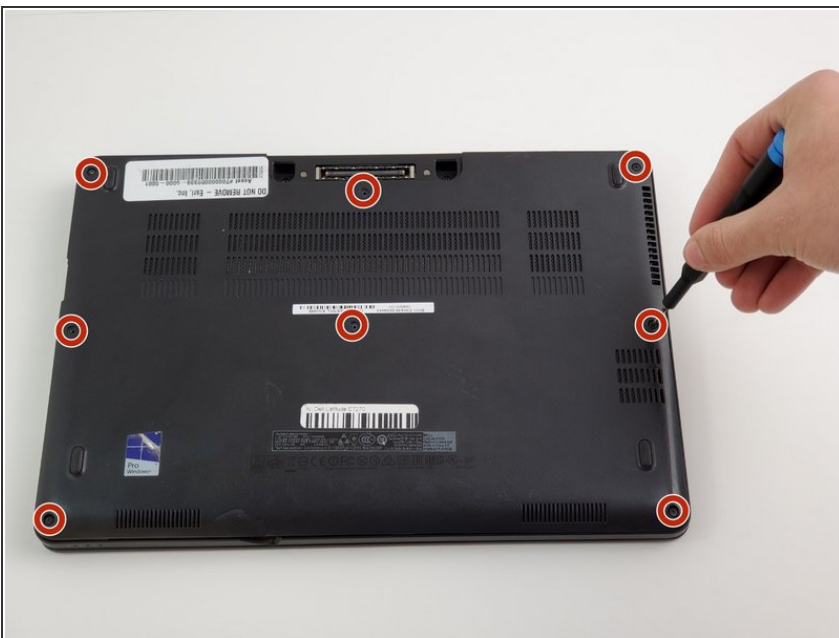This document was generated on 2020-11-28 07:56:57 AM (MST).

Step 1 — Back Panel

- Place the device top down in front of you so that the vents are visible and are furthest from the user.

- ⚠ Please be sure that the device is powered off and unplugged before removing parts or deconstructing anything.
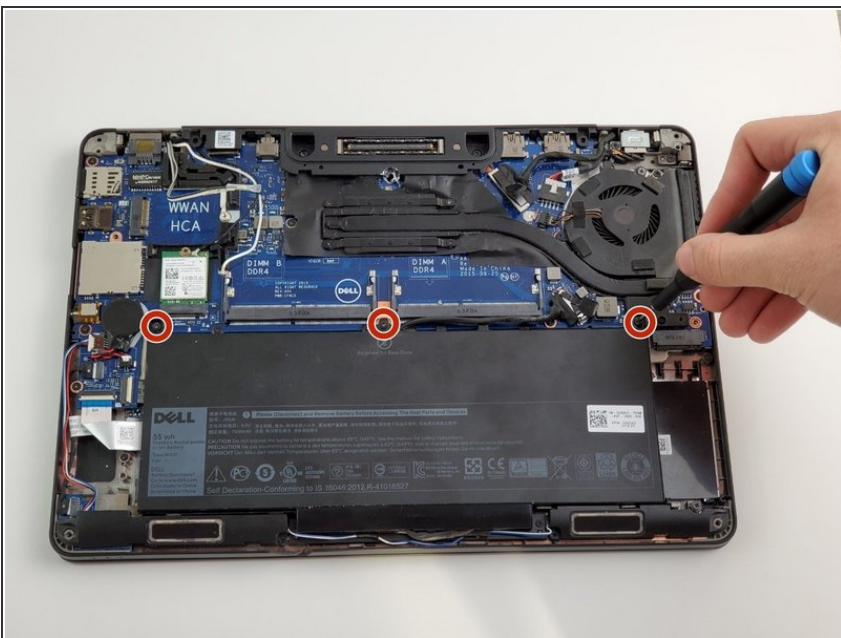
Step 2

- Remove all eight M2.5 X 8MM screws with a Phillips #00 screwdriver.

Step 3

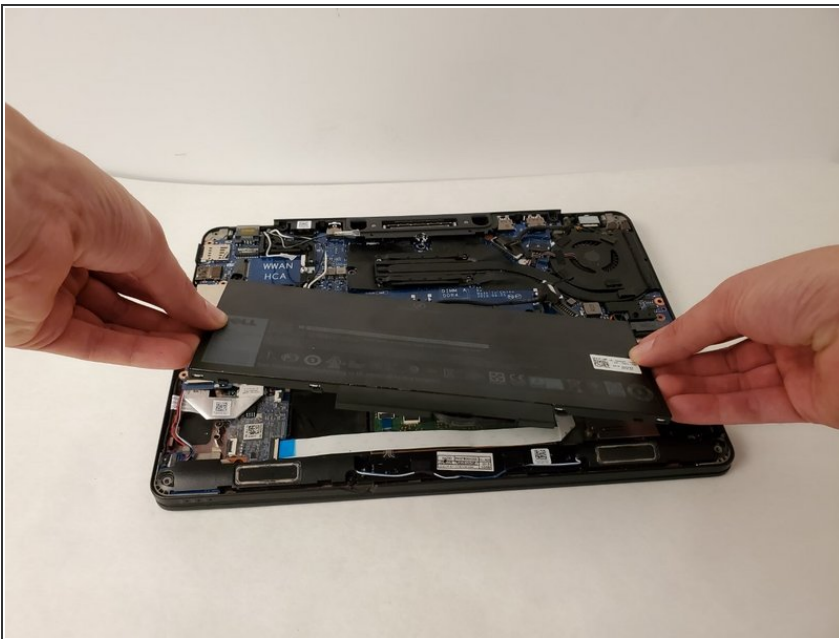- Lift and remove the panel.

Step 4 — Battery

- Remove the three M2.5 X 5MM screws, located above the battery, with a Phillips #00 screwdriver.

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Step 5

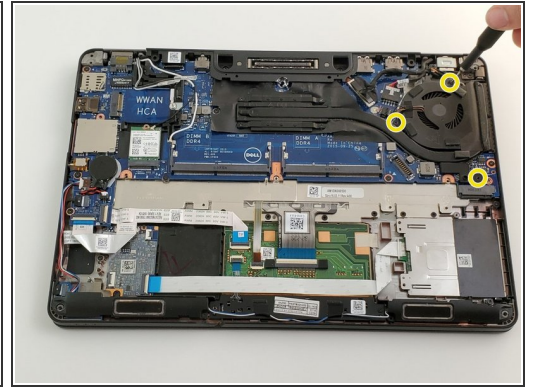- Disconnect the battery wire by using your fingers to pull diagonally left on the tab.

Step 6

- Remove the battery completely by grabbing an edge and pulling up on the battery.

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Step 7 — Cooling Fan
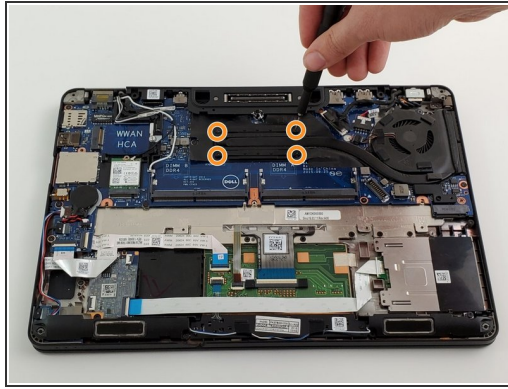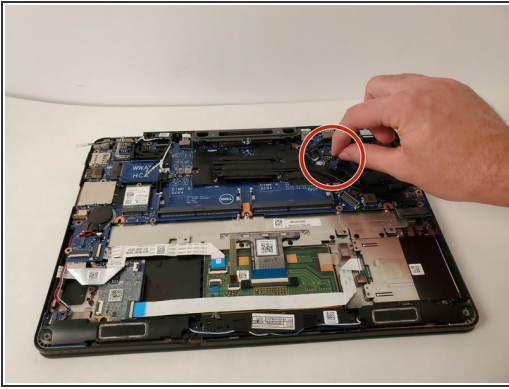
- Remove the 4 pin fan power connector from the motherboard by using your finger and pulling up.

- Remove the four M2.5 X 5MM screws that hold on the rectangular bracket located towards the center of the motherboard using a Phillips #00 screwdriver.

- Remove the three M2.5 X 5MM screws that hold down the circular fan bracket using a Phillips #00 screwdriver.
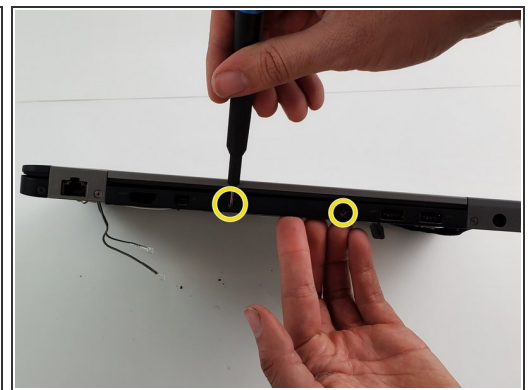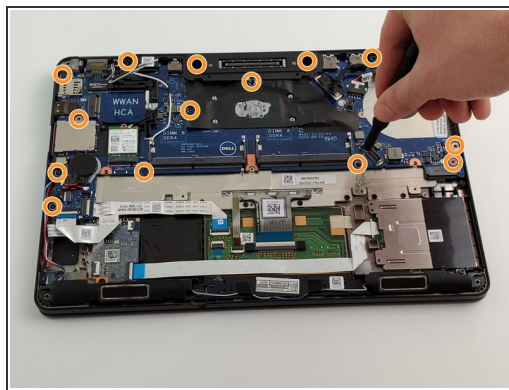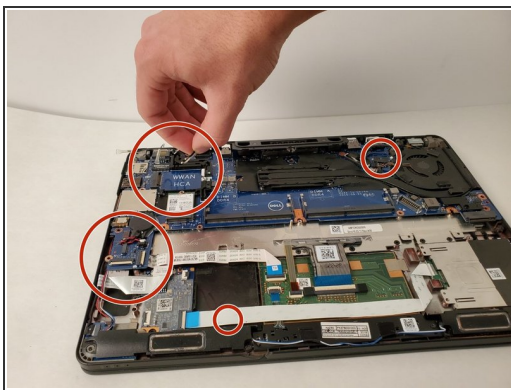
Step 8

- Lift and remove fan by pulling gently straight up using your fingers

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Step 9
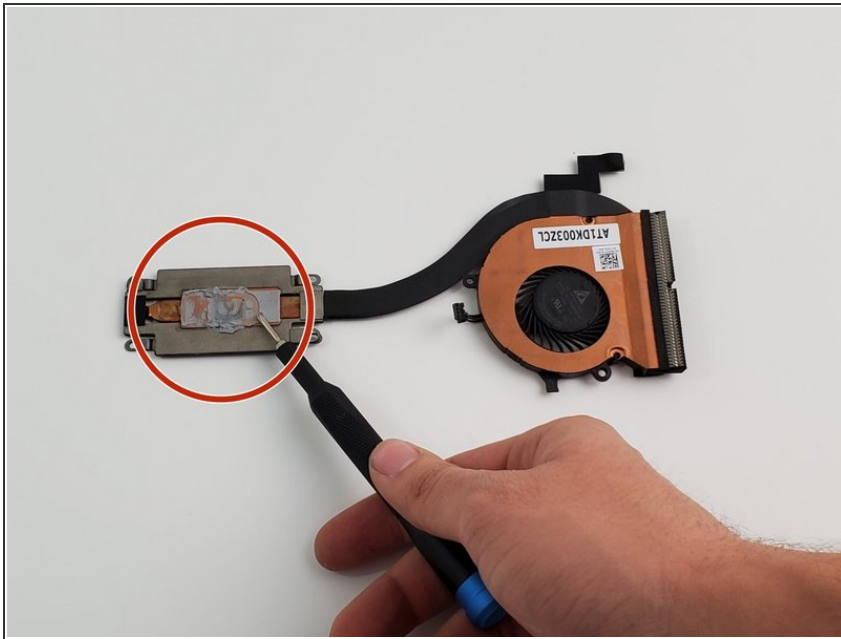
- Before replacing fan, make sure to place a small amount of thermal paste to ensure proper heat dissipation and long term life.

Step 10 — Motherboard Replacement

- Remove the 10 wire connections by using your fingers to separate the connections.

- Remove the thirteen M2.5 X 5MM screws that fasten the motherboard using a Phillips #00 screwdriver.

- Remove the two M2.5 X 8MM external screws that fasten the motherboard from outside using a Phillips #00 screwdriver.

Step 11
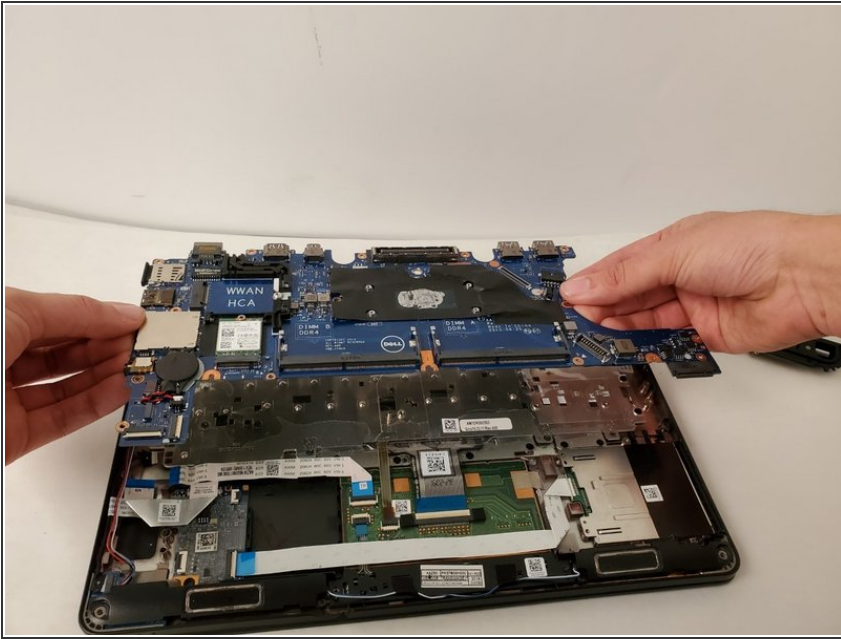
- Lift and remove the motherboard by grabbing the outside edges and pulling straight up.

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