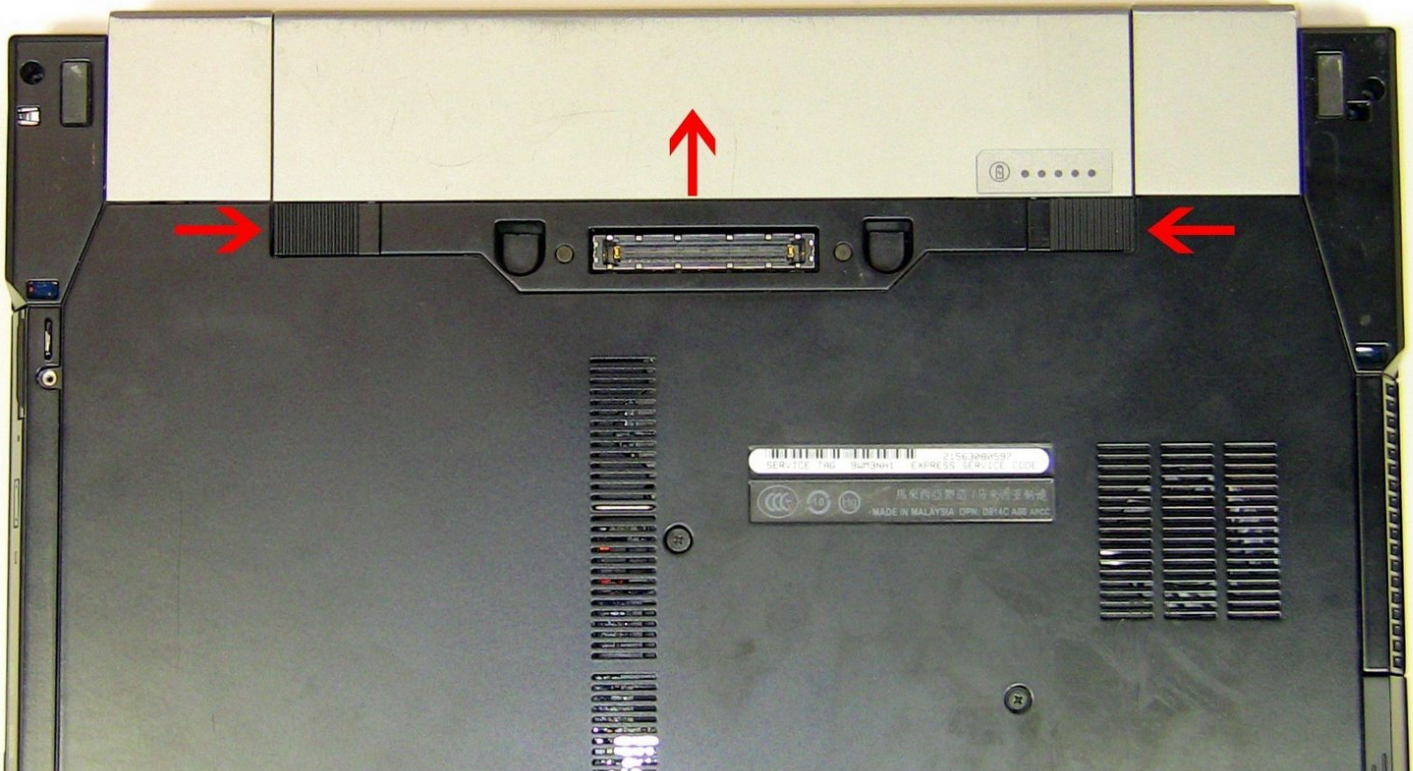# Dell Latitude E6400 Heatsink Replacement

When removing the heatsink, and reinstalling it, a new coat of thermal paste is required to keep the computer cool and happy.

Written By: Nicholas Ouimet

INTRODUCTION

Because the latitude E6400 has just one screw to remove to access the upgradable guts, this process takes no more than 20 minutes to do. It's also very easy.
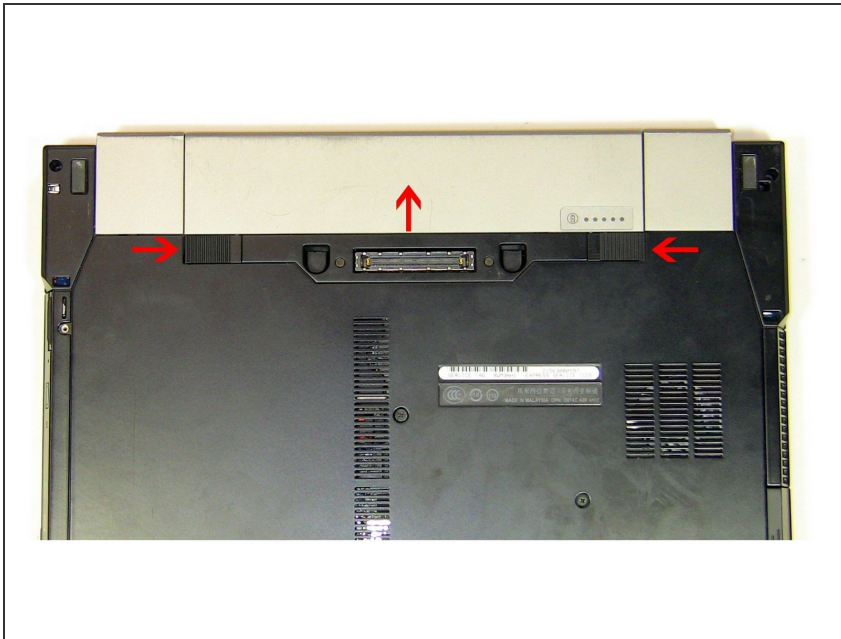
Pictures and text written by ouimetnick.

🔧 TOOLS:

- Phillips #2 Screwdriver (1)
- Arctic Silver Thermal Paste (1)

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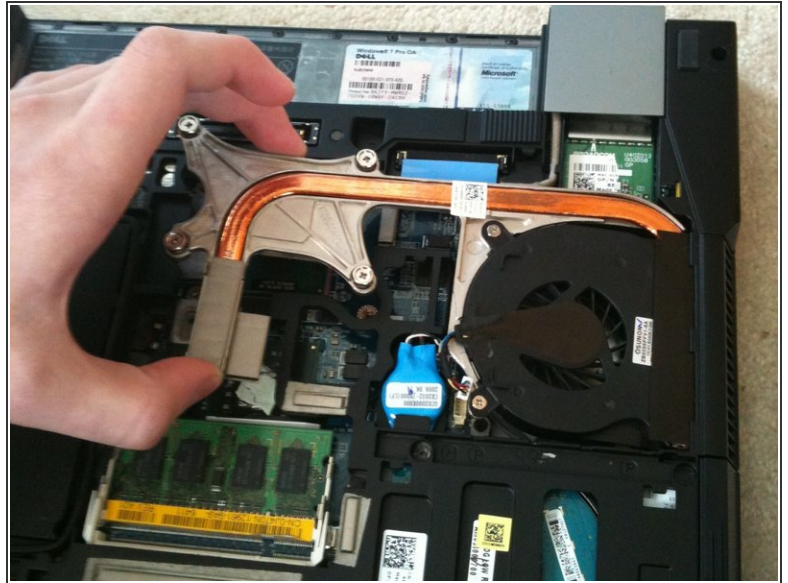
Step 1 — Heatsink & Thermal Paste

- Simultaneously slide the battery latches (outlined by the red box) to the dock connector in the middle.

- This will release the battery. Just slide the battery away from the computer.

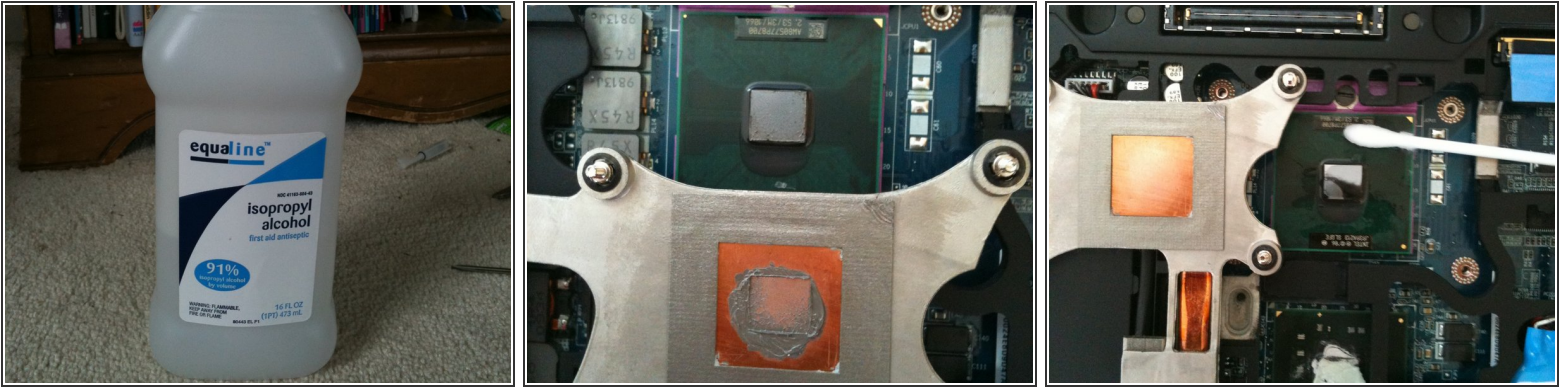- Remove all screws and slide the panel off the laptop.

Step 2

- Pull the fan cable straight away from its socket.

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Step 3

- Loosen screw 1

- Do not completely loosen a screw.

- Loosen each screw a little bit. Going from 1 then to 2 then to 3 and then to 4. Keep doing this until they are all loose.

- Loosening one completely with out the other screws loosened may damage the logic board

- Lift the heatsink up, until it won't rise any farther.

- Pull the heat sink out.

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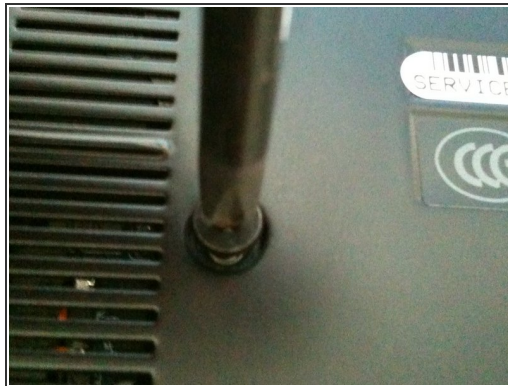www.iFixit.com   Page 4 of 7

Step 4

- Using cotton swabs, clean off the old thermal paste off the die of the CPU and the heat sink.

- Use the strongest isopropyl alcohol you can find.

- You want to dip the cotton swabs into the alcohol and clean off the paste.

- Keep doing this until the white cotton remains white. this indicates it is as clean as possible.

- Dry the heat sink and die with another cotton swab. Make sure than none of the carbon fibers are left on the die or copper plating.

Step 5

- And screw the screws in securely.

- You want it tight, but not to tight because you will crack the logic board rendering it useless.

Step 6

- Side the back cover on.

- Screw the screw in.

- Pop the battery back in.

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

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