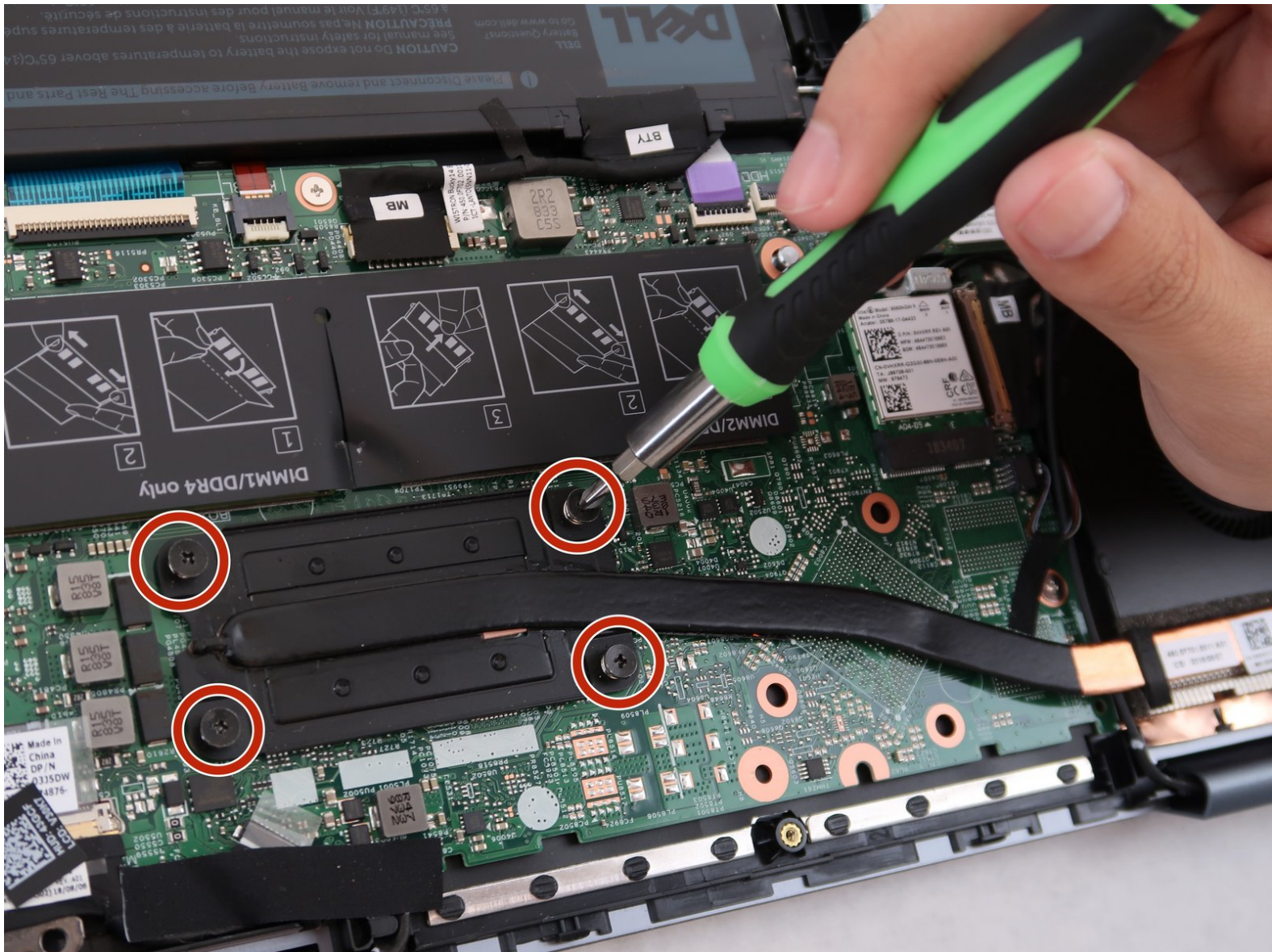




Dell Inspiron 14 5100 Heat Sink Replacement

Use this guide to replace the heat sink in your Dell Inspiron 14 5100.

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INTRODUCTION

Verify with the device's [troubleshooting page](#) whether the replacement of your heat sink is required for your situation.

This guide will go through the process of replacing the heat sink for the Dell Inspiron 14 5100.

A faulty heatsink may cause the device to overheat due to the lack of heat transfer generated by the CPU to the heatsink for the fan to cool down.

If this guide is unnecessary, go to our [device page](#) to look for the correct guide for your situation.



TOOLS:

- [iFixit Opening Tools](#) (1)
- [Phillips #0 Screwdriver](#) (1)
- [Thermal Paste](#) (1)




PARTS:

- [Dell Inspiron 14 5100 Heatsink](#) (1)

Step 1 — Dell Inspiron 14 5100 Disassembly



 Make sure to disconnect the power source to the device.

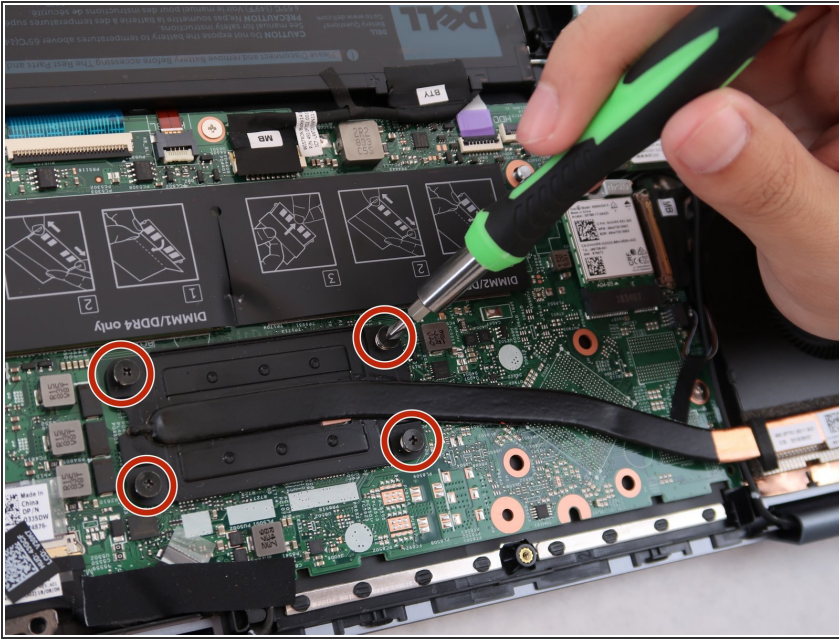
- Remove nine screws securing the base cover of the laptop's keyboard assembly using the Phillips #0 screwdriver.
- There are 2 sets of screws.
 - Remove the 3 captive screws.
 - Remove the 6M2*6 screws.

Step 2



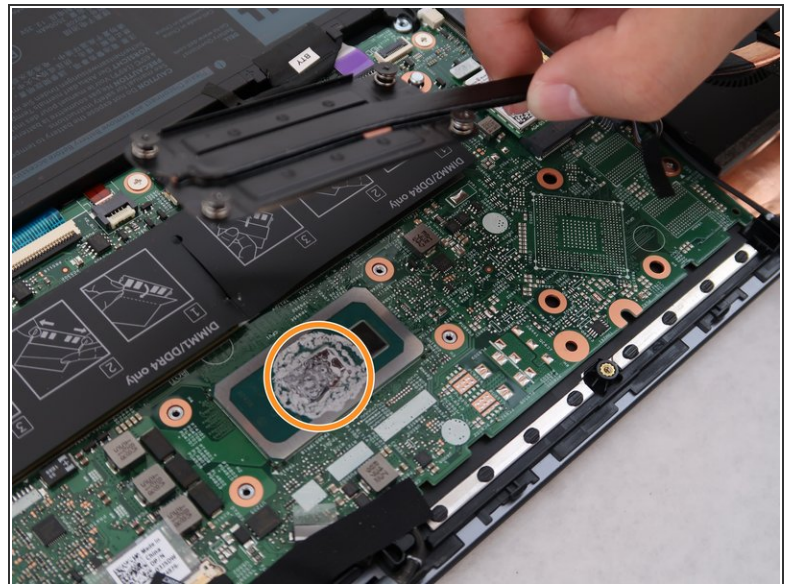
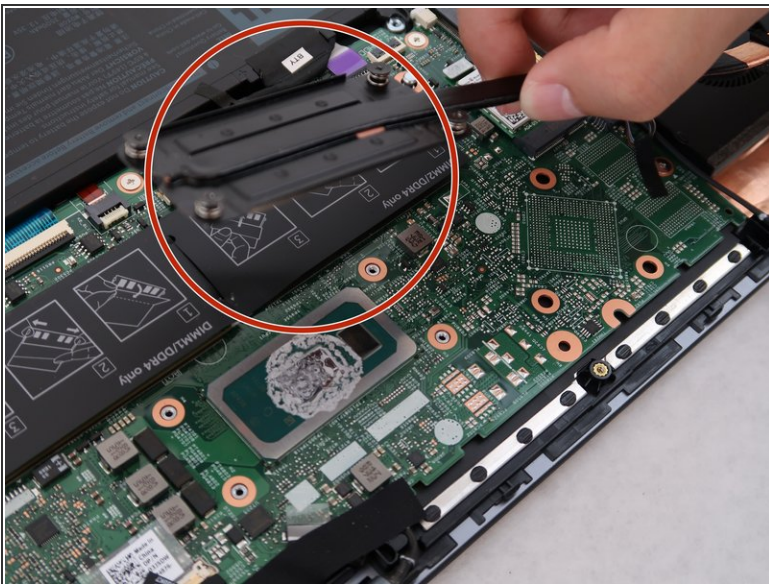
- Pry open the laptop to separate the base cover from the keyboard assembly.
- You may use your fingertips or use plastic opening tools.

Step 3 — Heat Sink



- Unscrew the four screws securing the heat sink to the motherboard using the Phillips #0 screwdriver.

Step 4



- Lift the heatsink and replace it with a new one.
- When adding the new heatsink, make sure to add thermal paste to avoid overheating the CPU when in use.

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