



Dell Inspiron 11 i3147 Processor Fan and Heat Sink Replacement

How to replace Dell Inspiron 11 i3147 processor fan, and heat sink.

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INTRODUCTION

This guide shows how to replace the processor fan and heat sink from the Dell Inspiron 11 i3147. The processor fan and heat sink assembly are crucial for keeping the computer cool. If this part fail it will result in overheating. This involves removing the battery and simple disassembly of the associated wires. The process is simple enough for most people to attempt.



TOOLS:

- [Phillips #0 Screwdriver](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Spudger](#) (1)
- [Tweezers](#) (1)



PARTS:

- [Processor Fan](#) (1)
- [Heat Sink](#) (1)

Step 1 — Processor Fan and Heat Sink



- Close the computer and turn it over, with the bottom of the computer facing up.

Step 2



- Remove the nine 7.6mm PH0 screws on the cover.

Step 3



- Use a plastic opening tool to remove the cover from the computer.

Step 4



- Remove the three 4.7mm PH0 screws that secure the battery to the computer.

Step 5



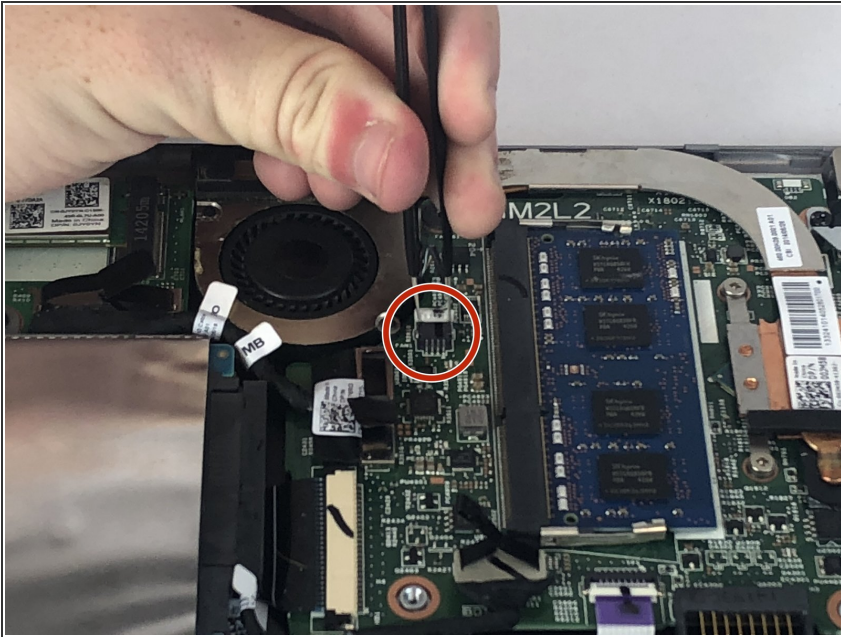
- Remove the hard drive cable from the battery.

Step 6



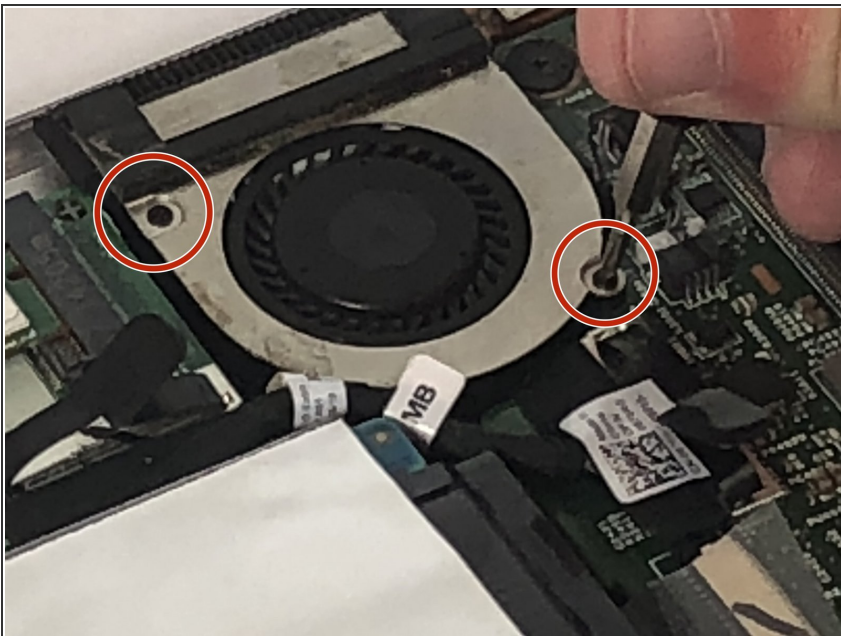
- Lift the battery from the keyboard.

Step 7



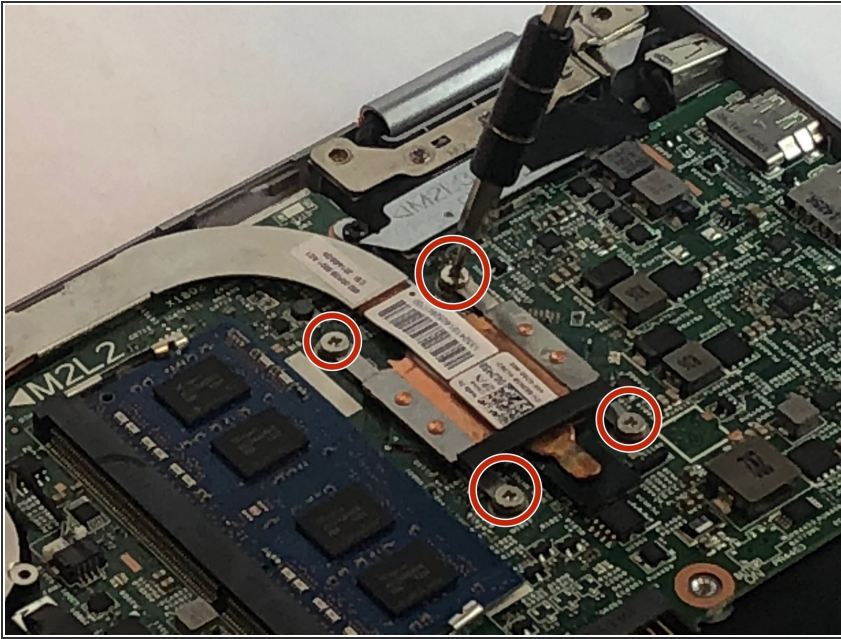
- Disconnect fan cable with tweezers.

Step 8



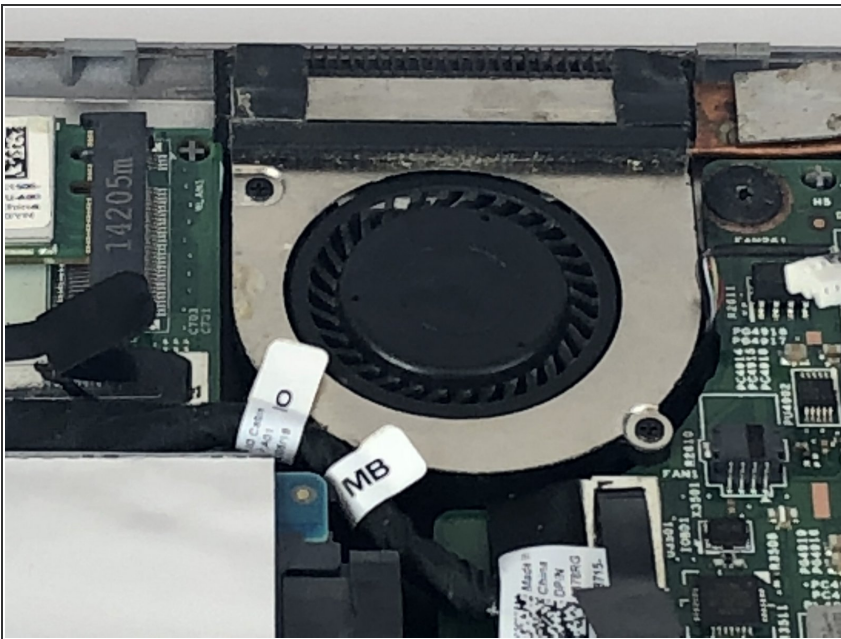
- Use a screwdriver to remove the two 2.3mm PH00 screws on the processor fan.

Step 9



- Use a PH0 screwdriver to loosen the 4 captured screws on the heat sink assembly.

Step 10



- Remove the processor fan and heat sink assembly.

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