



Dell Inspiron m5030 Fan Cleaning/Replacement

In this guide, you will learn how to replace...

Written By: Marek Moreno



INTRODUCTION

In this guide, you will learn how to replace the fan in the Dell Inspiron M5030. To remove, clean off, and replace the thermal paste in order to remove the heat sink, please refer to the [Applying Thermal Paste Guide](#).



TOOLS:

[iFixit Opening Tool](#) (1)

[Phillips #0 Screwdriver](#) (1)

Step 1 — Keyboard



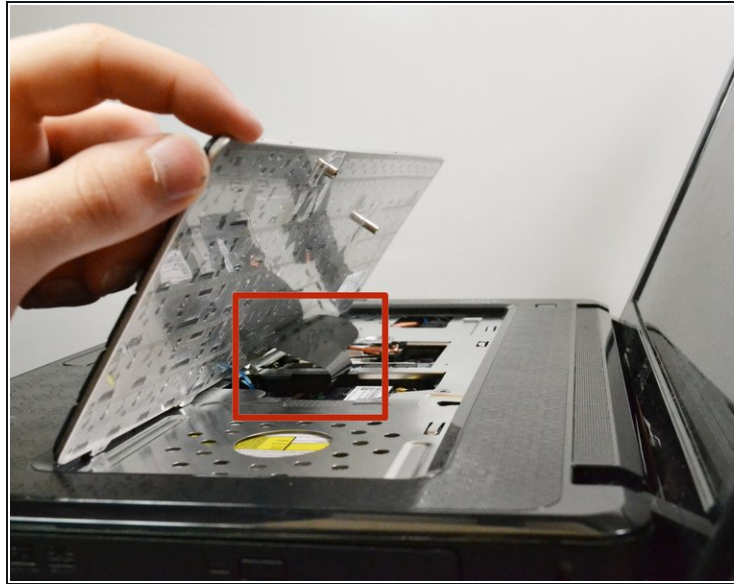
- Remove all fourteen Phillips #0 7/16" screws from the bottom of the laptop.
- Remove the two Phillips #0 5/16" screws from the bottom of the laptop.

Step 2



- Turn the laptop over and open the lid.
- Locate the three tabs above the first row of keys on the top of the keyboard, found above the F1, F6, and PrntScr keys.
- With one of your hands, push the leftmost tab down with the plastic opening tool (above the F1 key). With your other hand, lift the left side of the keyboard.
- Push the middle tab down with the plastic opening tool and continue lifting from the left side of the keyboard to the right side (above the F6 key).
- Push the rightmost tab down with the plastic opening tool and continue lifting from the left side of the keyboard to the right side (above the PrntScr key). The keyboard should be loosened from the laptop after these steps.

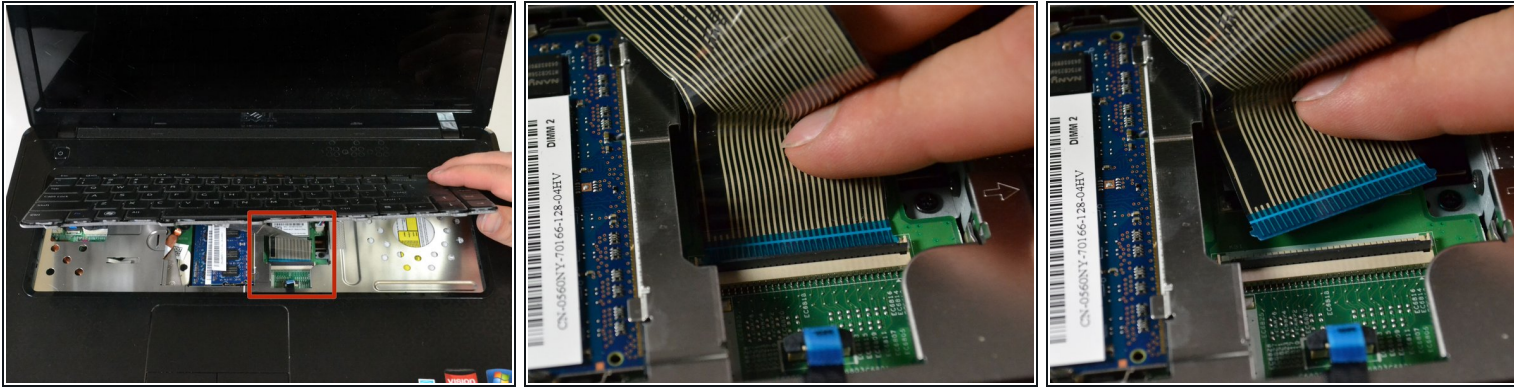
Step 3



- After the top edge of the keyboard is loose, pull up on the keyboard gently.

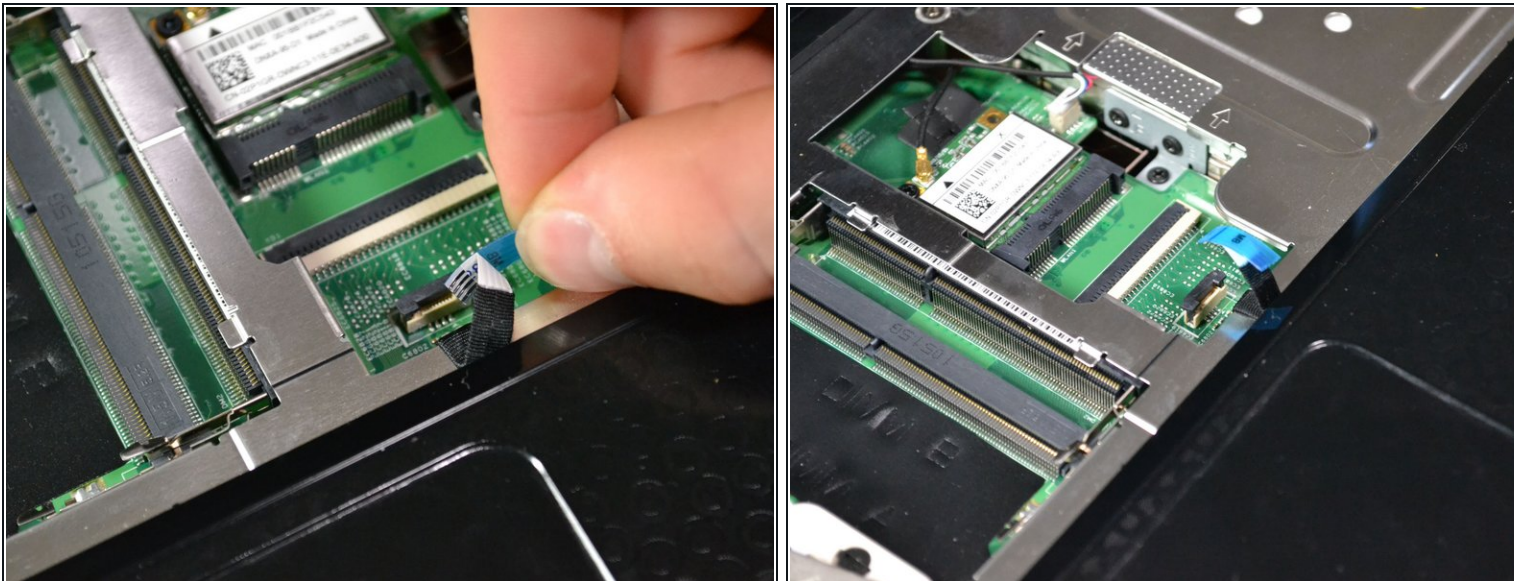
⚠ Do not pull the keyboard up forcefully as the keyboard is still attached to the laptop by a ribbon.

Step 4



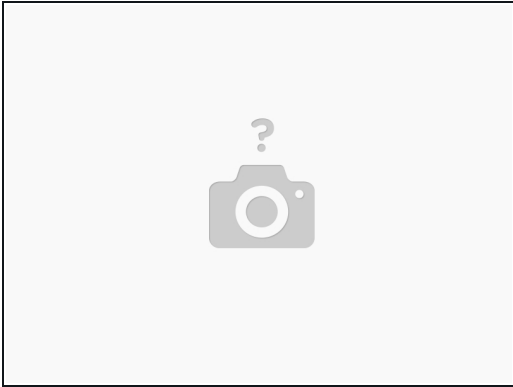
- Pull up the bottom side of the keyboard and locate the ribbon connecting the keyboard to the motherboard.
- Locate the blue end of the ribbon which is connected to the motherboard.
- Lift up the black flap on the connector and gently pull the ribbon away from the connector which is parallel to the motherboard.
- Lift the keyboard up and off of the motherboard. Detach the blue end of the ribbon from the connector.

Step 5 — Surface Around the Keyboard



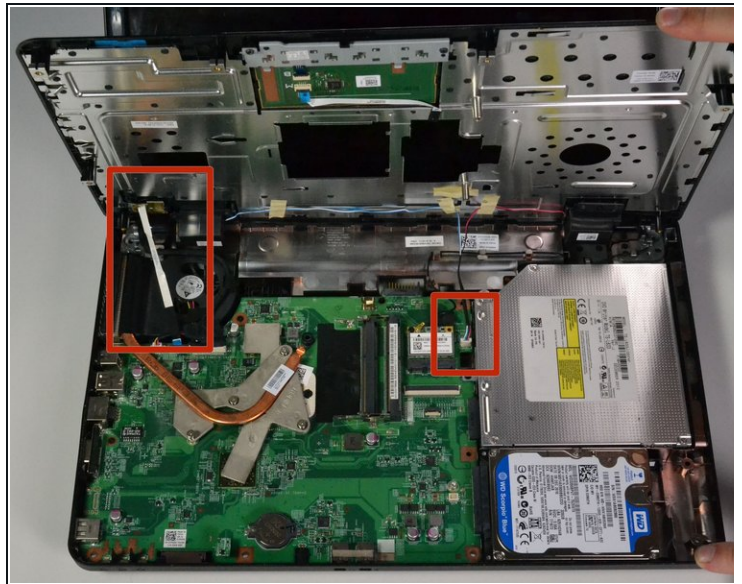
- Disconnect the blue tab located just above the touch pad of the laptop.

Step 6



- Lift the black locking tab a small way up, away from the Green PCB, until a click is heard. Before pulling on blue tab.

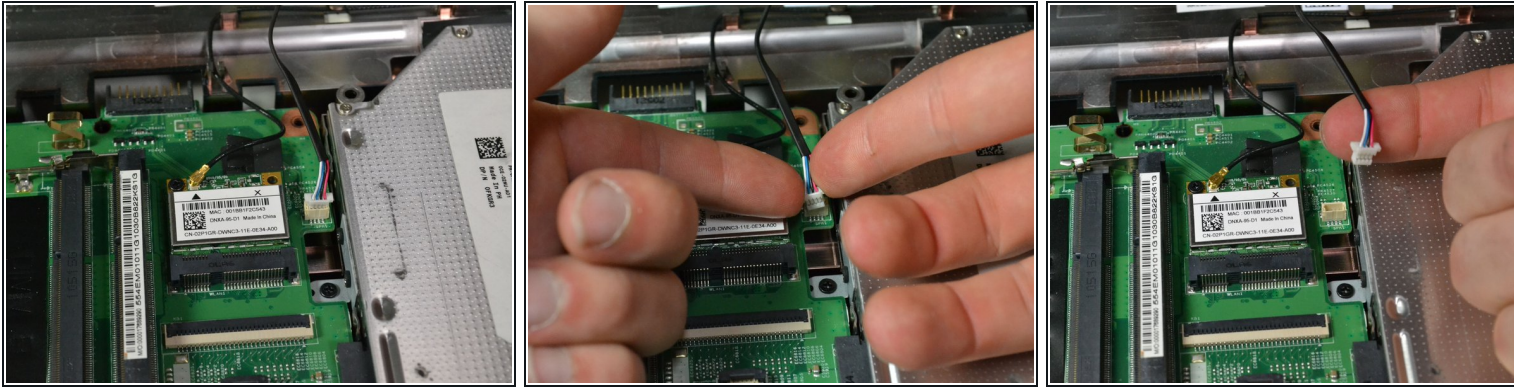
Step 7



- Use a plastic opening tool to pry up the plastic covering of the laptop by wedging it underneath one side of the covering and lift up.

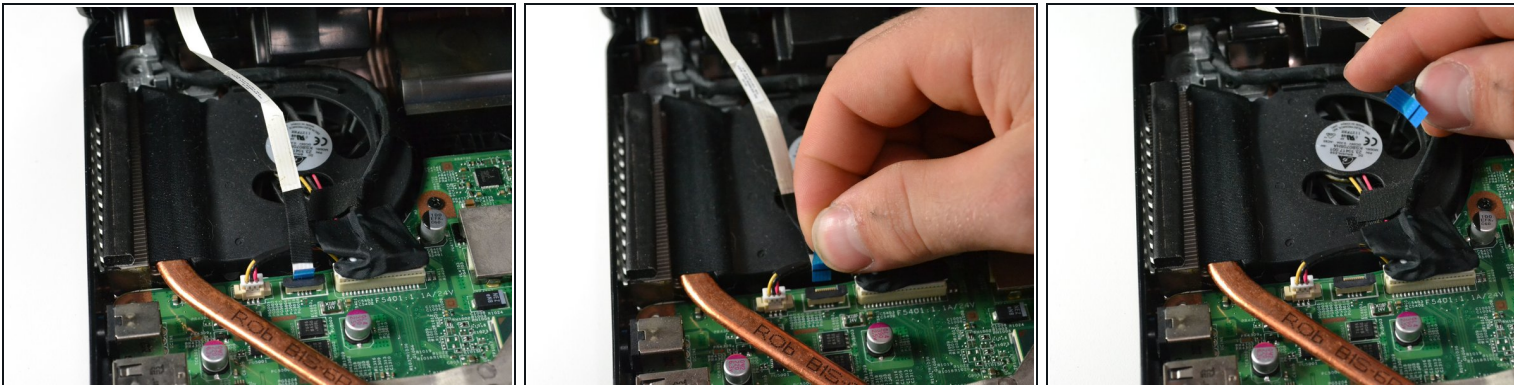
⚠ Do not lift off the cover all the way as it is still connected by two wires on the side nearest to the screen.

Step 8



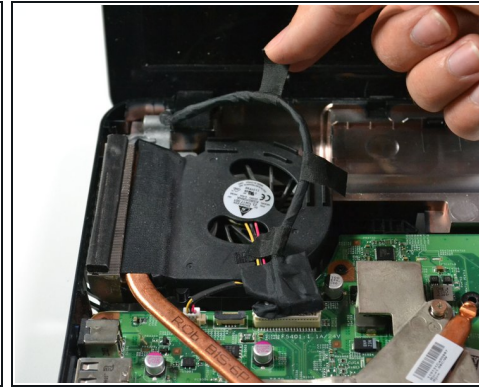
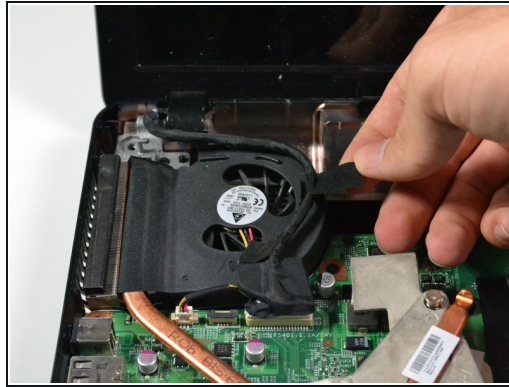
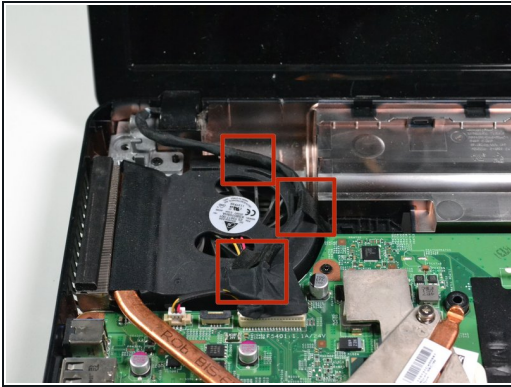
- Disconnect the white block of wires which is the right-most wire connecting the covering to the laptop.

Step 9



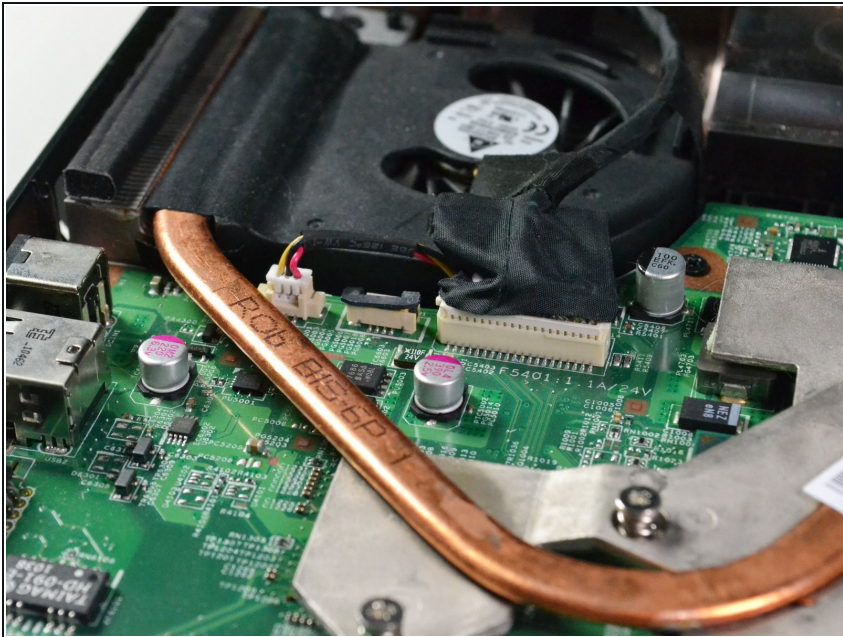
- Disconnect the wire with the blue tab which is the left-most wire connecting the covering to the laptop.
- You can now remove the plastic covering.

Step 10 — Fan



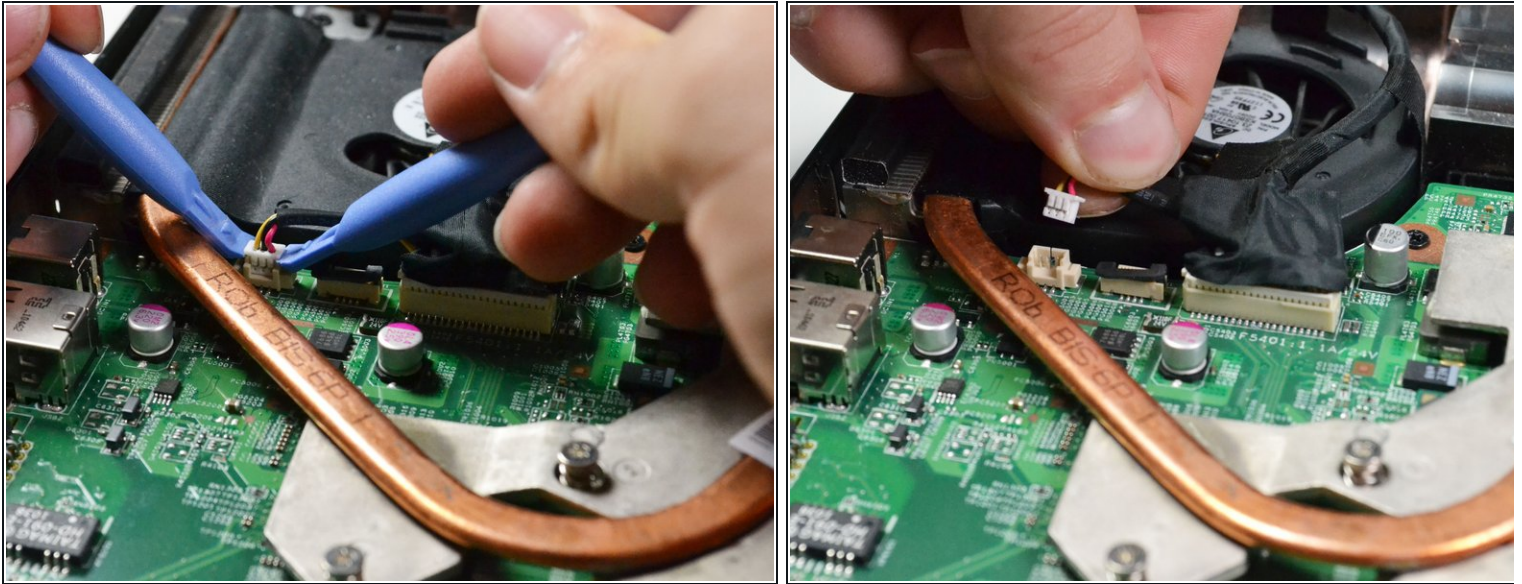
- Remove the tape from the fan, but do not remove the tape from the wire.
- Move the wire away from the fan.
- ☒ There are ridges along the top of the fan which indicate where the wire should sit when you put the fan back.

Step 11



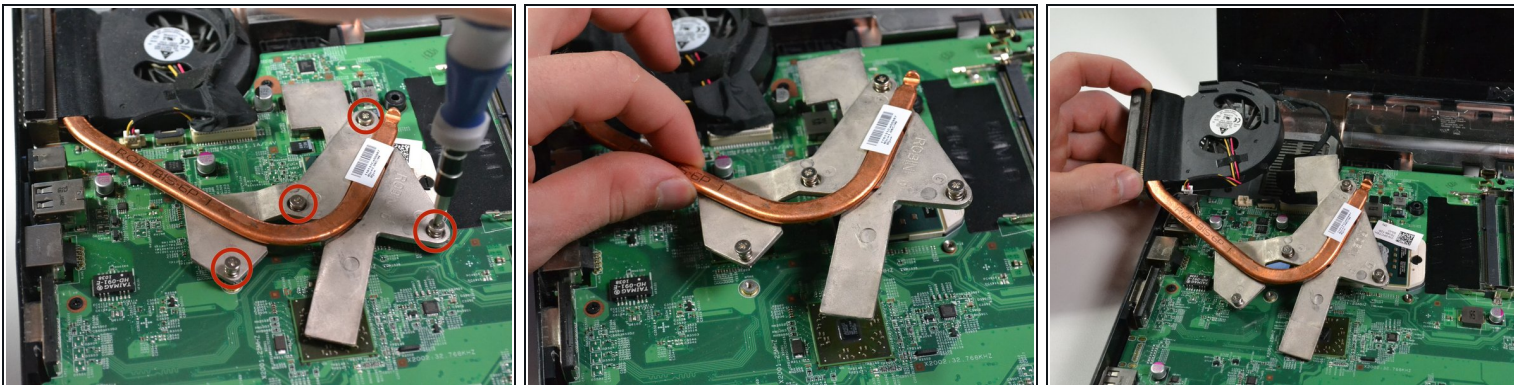
- Locate the yellow/black/red wires and find the white plastic block where they end.

Step 12



- Using two fingers (one on either side of the block) or two plastic opening tools (one on either side of the block), pinch the bottom of the block and lift up to remove the block.

Step 13



- Unscrew the four screws from the heat sink with a Phillips #0 screwdriver.

ⓘ You do not need to remove the screws completely from the heat sink.

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