



# Dell Inspiron n5110 heat sink and thermal paste replacement

DELL Inspiron N5110 - Heat Sink Cleaning, Thermal Paste Replacing

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## INTRODUCTION

If your laptop overheats, you must open it and clean the Heat-Sink system. This video will show you how to do this.

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[video: <http://youtu.be/Tjo2cGmfRpg>]

### **TOOLS:**

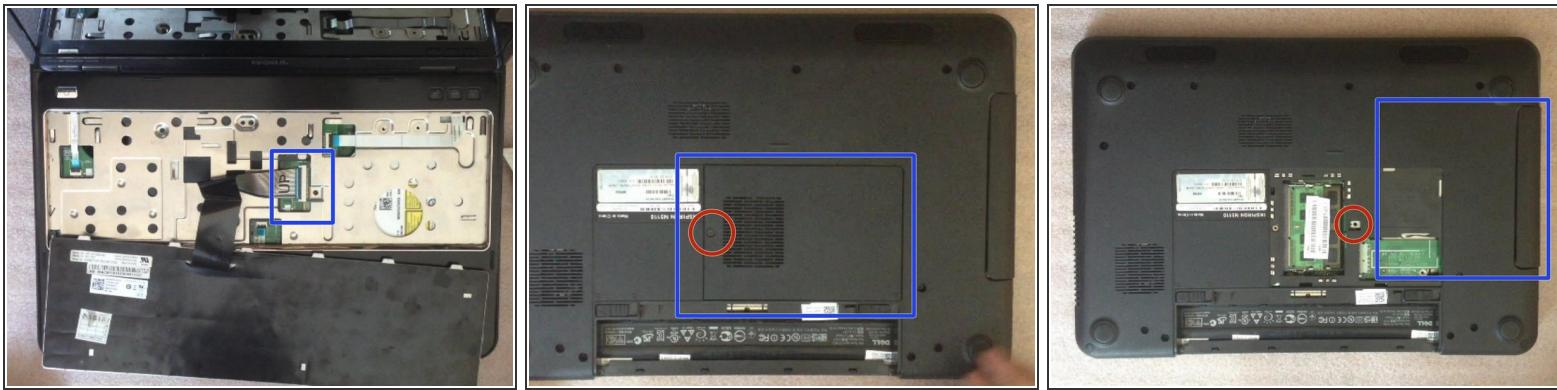
- [iFixit Opening Tools](#) (1)
- [Phillips #0 Screwdriver](#) (1)
- [Arctic Silver Thermal Paste](#) (1)
- [Tweezers](#) (1)

## Step 1 — Heat Sink System Cleaning / Thermal Paste Replacing



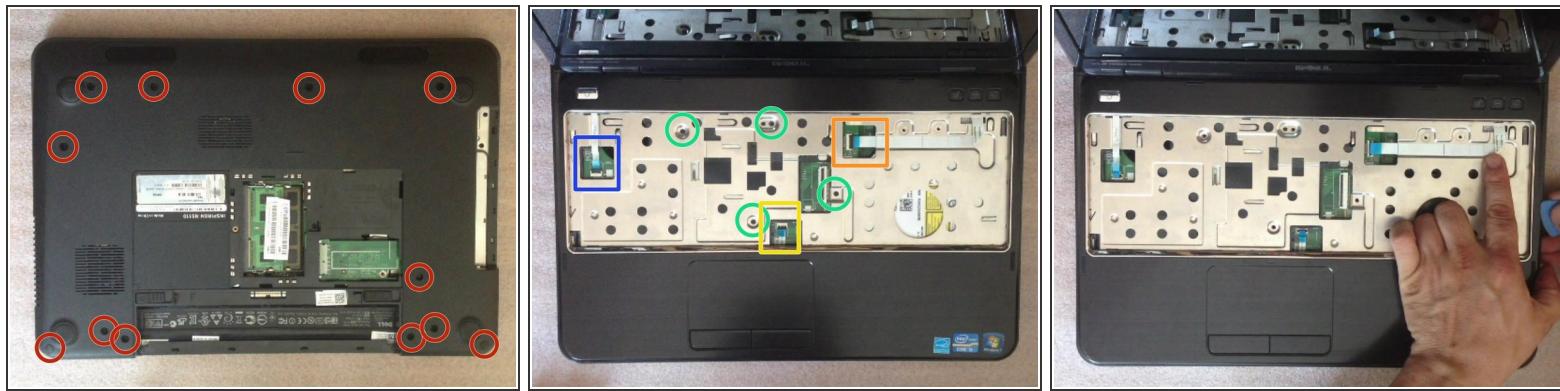
- Switch-off the laptop and remove the battery.
- To remove the keyboard lift it from one side by using cutter. Now open 4x locking clips at the upper side on the keyboard.

## Step 2



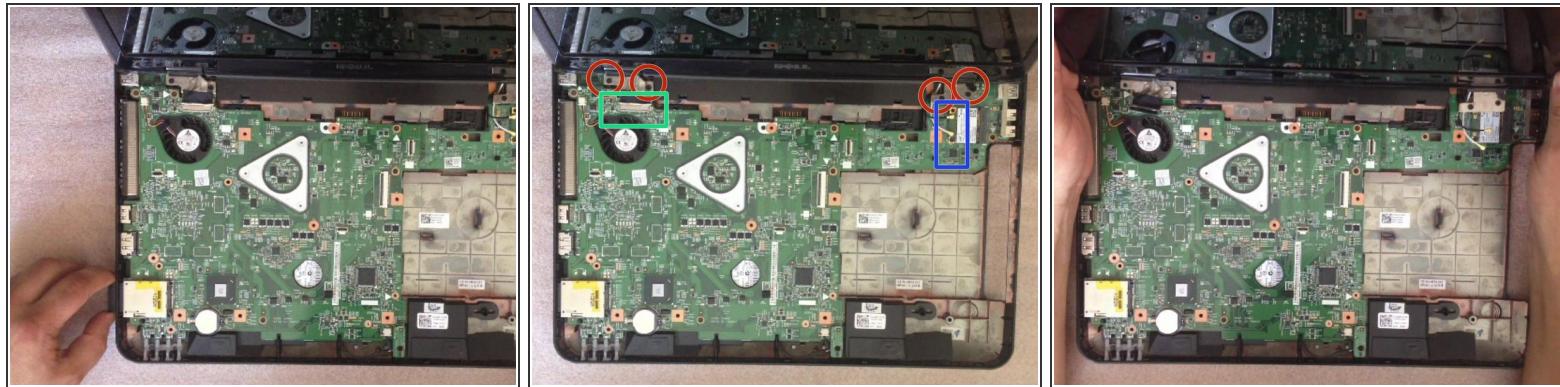
- Open the keyboard flex cable connector and remove the KB.
- Open the RAM memory cover.
- The DVD drive is held by one screw. After unscrewing, you can remove the drive.

## Step 3



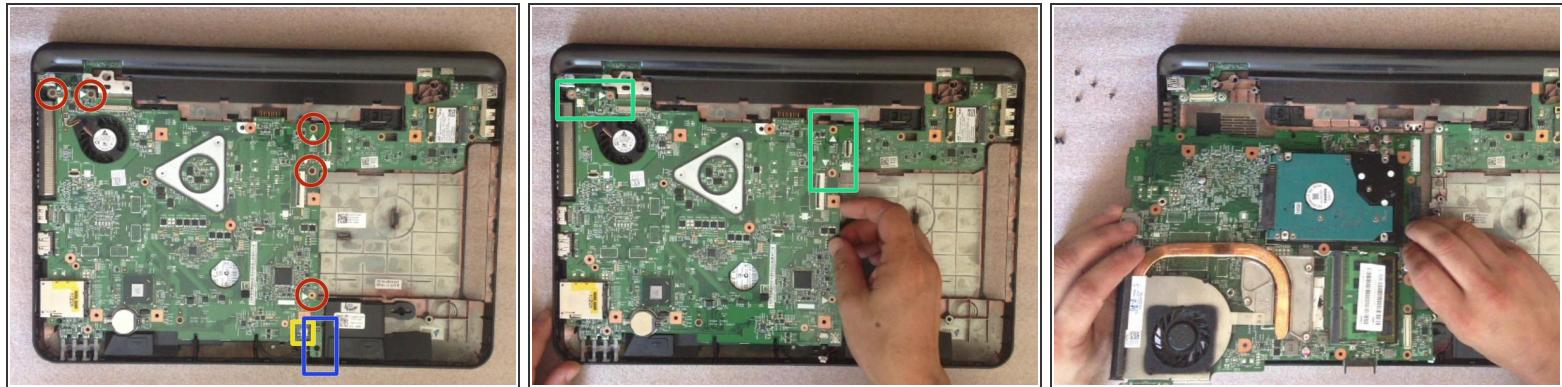
- 12x screws M 2,5x5,0
- 4x screws M 2,5x5,0
- Power switch cable connector
- Mouse pad cable connector
- Hot keys cable connector
- After removing all the screws and opening all the connectors, you can remove the upper case.

## Step 4



- Eject the Card Reader Blanking Plate.
- Disconnect the LCD display flex cable.
- Disconnect the WiFi and Bluetooth coaxial cables.
- The LCD display hinges are held by 4x M 2,5x5.0 screws.
- Now you can remove the LCD display module.

## Step 5



- Unscrew 5x M2.5x5.0 screws.
- Disconnect the Loudspeakers cable connector.
- Remove the Daughter Bluetooth board.
- Start removing the mother board by lifting from the right side (near to the DVD drive connector).
- Be careful, there are connectors between mother board and another two additional small boards (charging port board and USB connectors, WiFi card slot board).

## Step 6



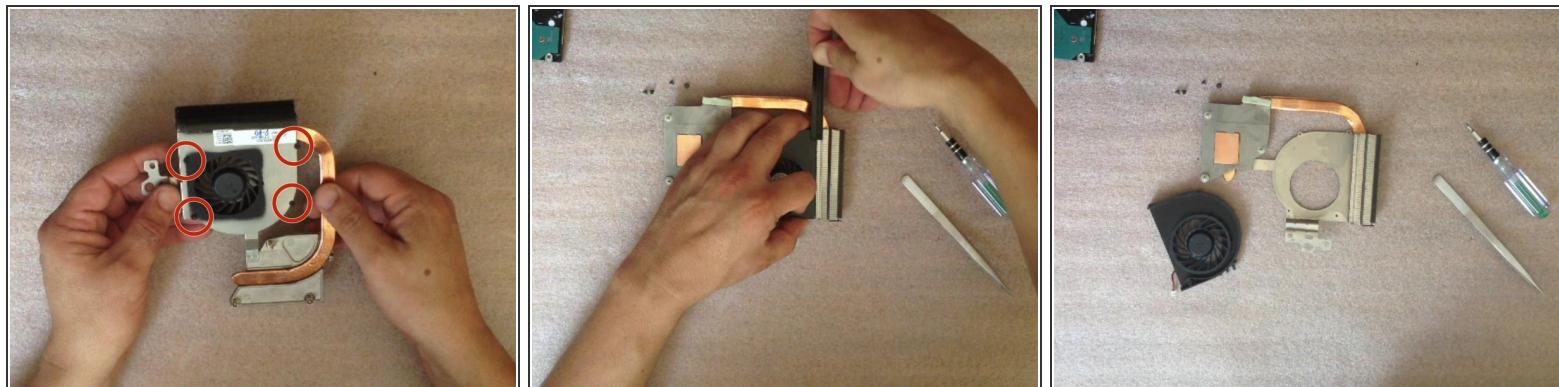
- Remove the Hard Disk drive.
- Disconnect the Fan cable connector.

## Step 7



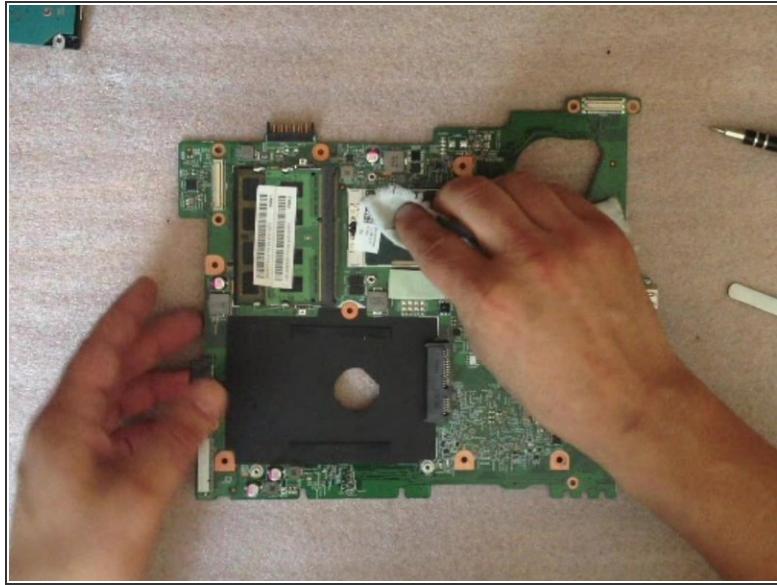
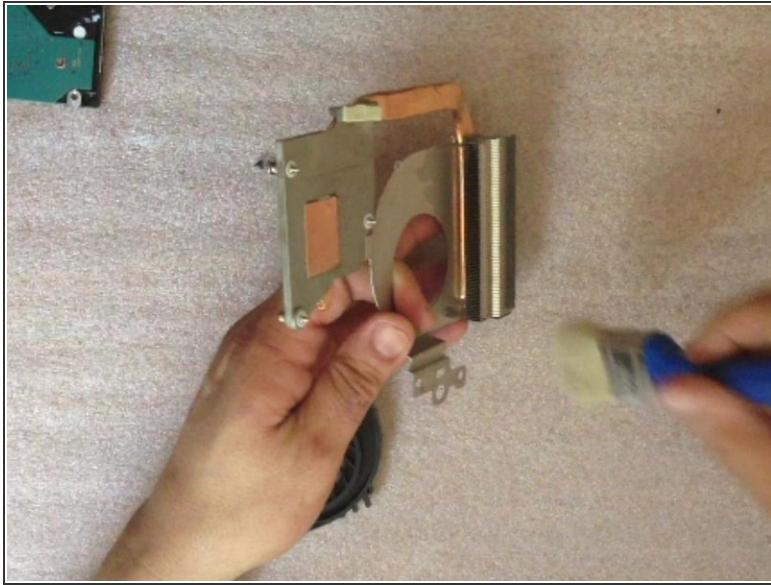
- Remove the Heat Sink system.
- Clean the cooper contact surface.

## Step 8



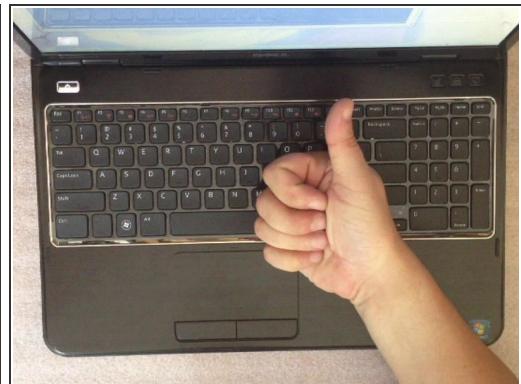
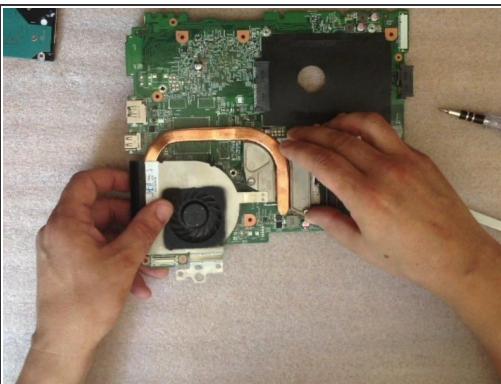
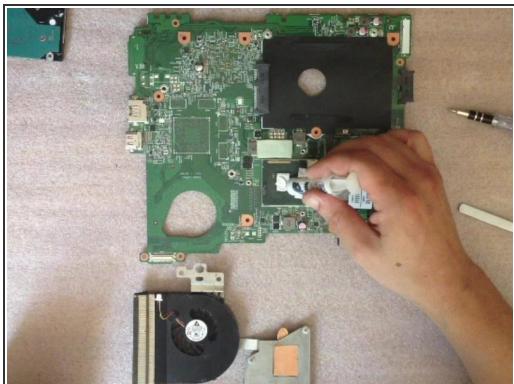
- Disassemble the Heat Sink system to clean the fan and the radiator from inside.

## Step 9



- Clean the old thermal paste / compose from the CPU.

## Step 10



- Now put a new thermal paste / compose to the CPU. Cover all the surface of the CPU crystal with the thermo-compose.
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To reassemble your device, follow these instructions in reverse order.