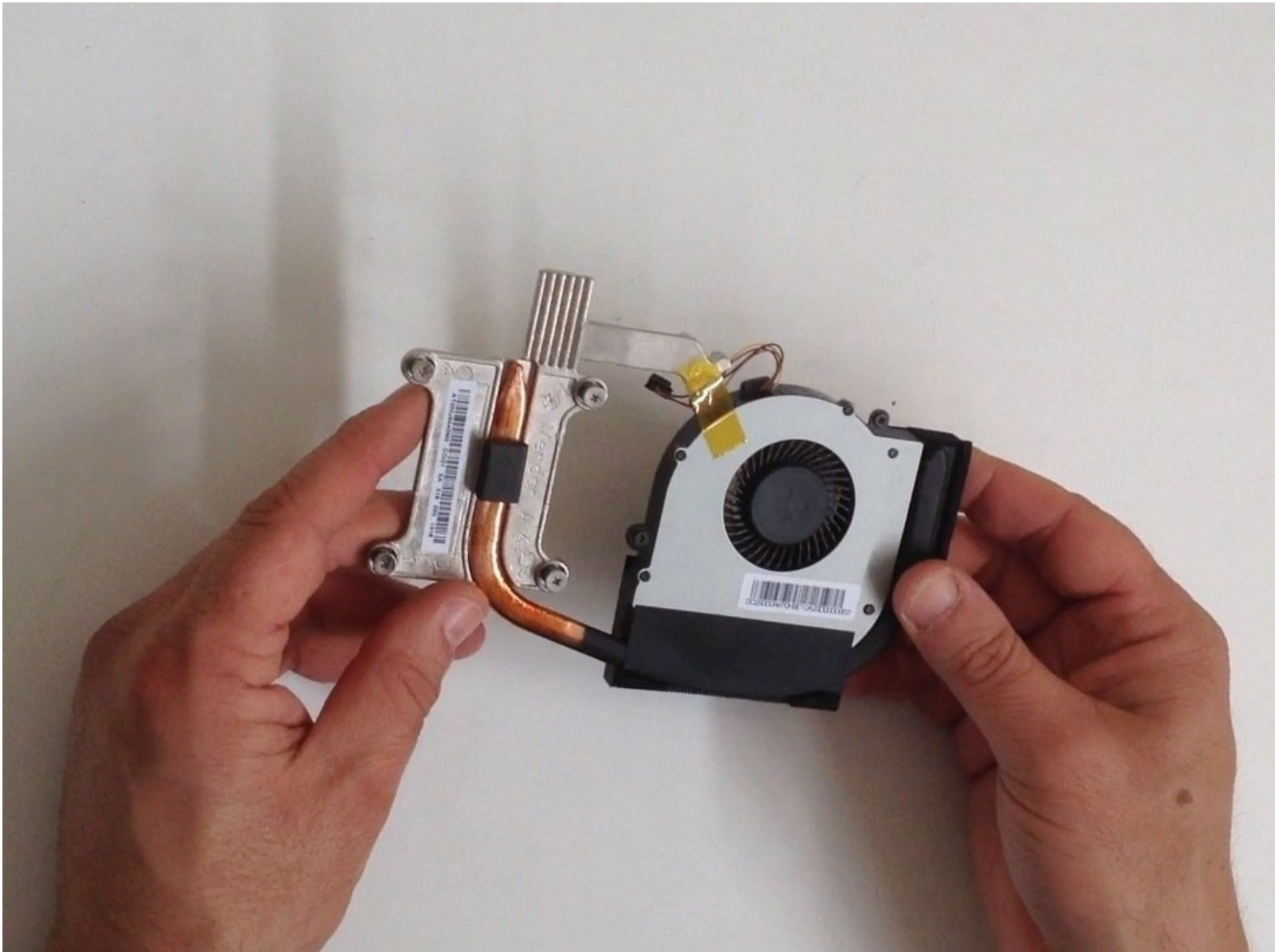# Lenovo ThinkPad Edge E530 Fan / Cooling System Replacement / Cleaning

Lenovo ThinkPad Edge E530 Fan / Cooling System Replacement / Cleaning

Written By: ZFix

INTRODUCTION

Lenovo ThinkPad Edge E530 / E530c - how to change or clean the Fan and the Cooling System.
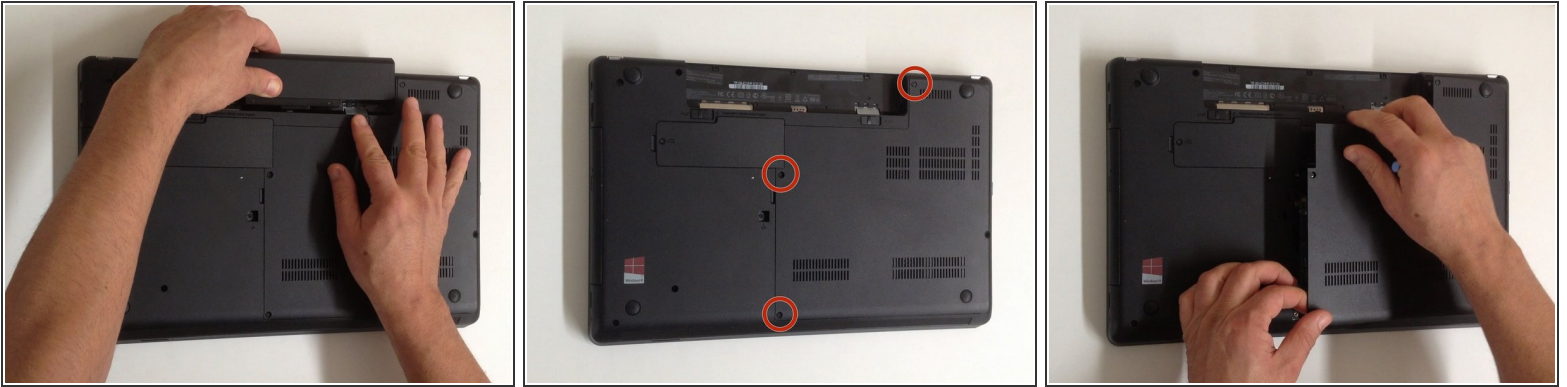
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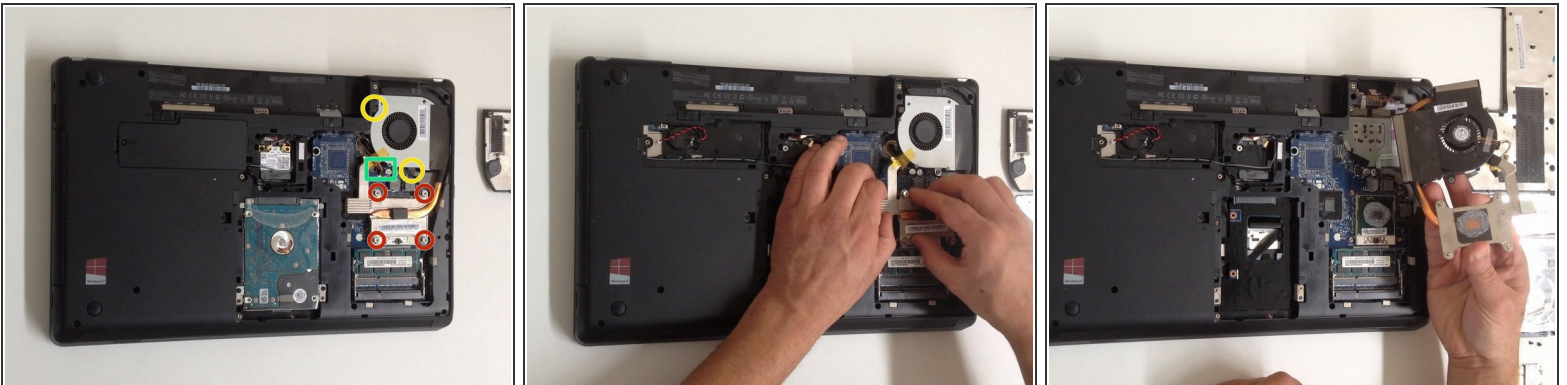[video: http://youtu.be/MM-G4OkeagQ]

🔧 TOOLS:

- Phillips #0 Screwdriver (1)
- iFixit Opening Tools (1)
- Spudger (1)
- Tweezers (1)
- Arctic Silver Thermal Paste (1)
- Isopropyl Alcohol (1)

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Step 1 — HDD Cover

- Switch-off the Laptop and remove the battery.

- The HDD/Memory Cover is held by 3x Phillips screws. Remove them.

- Remove the Cover.

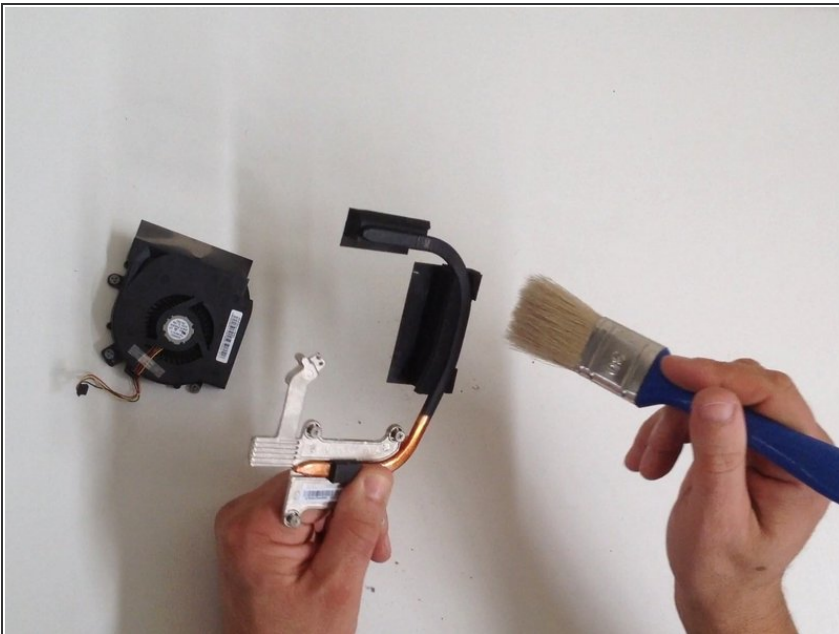## Step 2 — Fan / Cooling System

- Disconnect the Fan cable.

- Remove the 2x screws from the Fan module.

- Unscrew 4x screws around the processor.

- Carefully lift the Cooling System.

Step 3

- Use a lint-free cloth and isopropyl alcohol to clean the old thermal compound.

- (i) If the thermal compound is solidified, you can use a flat end of any plastic tool to scrape it off.

- Separate the Fan from the Heat-sink.

Step 4

- Use a soft anti static brush and clean the Heat-sink on the inside.

- ⚠ Before installing a new Cooling System or reinstalling the old one, you must clean the processor from the old thermal compound and put a new one.

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