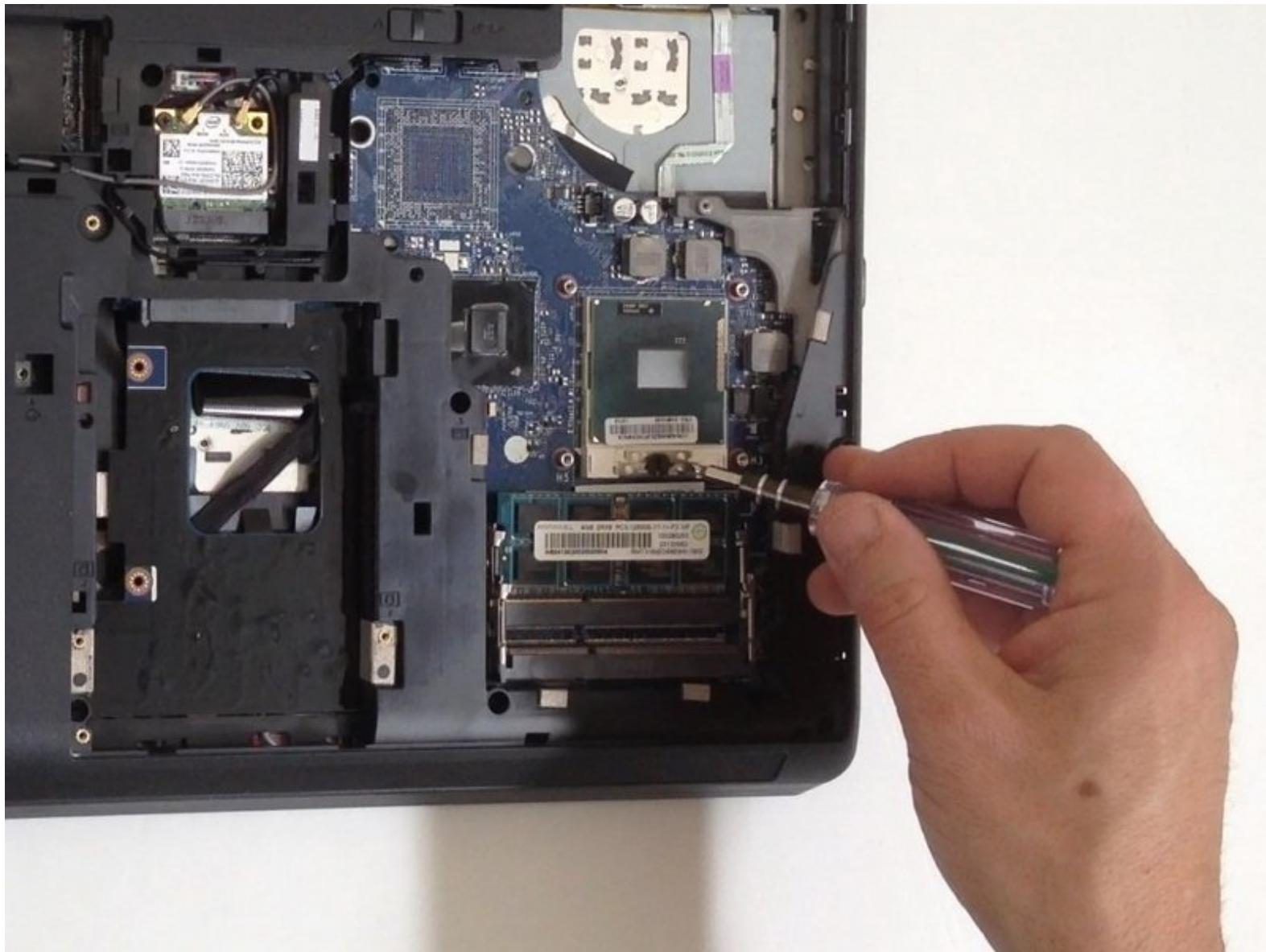




# Lenovo ThinkPad Edge E530, E530c Processor / CPU Replacement

Lenovo ThinkPad Edge E530, E530c Main Processor / CPU Replacement

Written By: ZFix



## INTRODUCTION

Lenovo ThinkPad Edge E530, E530c - how to replace / upgrade the Processor.

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[video: <http://youtu.be/MM-G4OkeagQ>]

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### TOOLS:

- [iFixit Opening Tools](#) (1)
- [Spudger](#) (1)
- [Phillips #0 Screwdriver](#) (1)
- [Tweezers](#) (1)
- [Isopropyl Alcohol](#) (1)
- [Arctic Silver Thermal Paste](#) (1)
- [Anti-Static Brush](#) (1)

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## Step 1 — HDD Cover



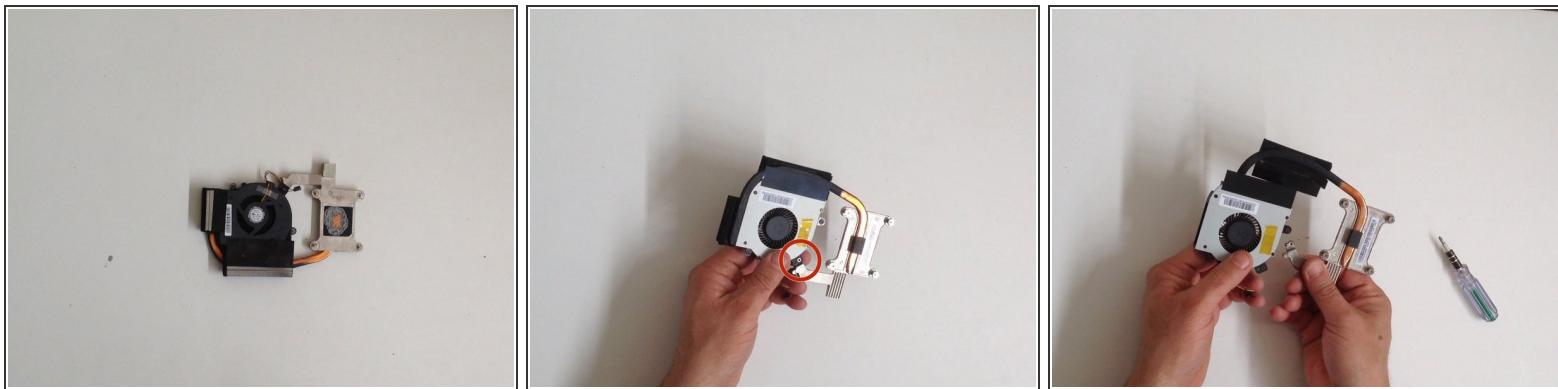
- Switch-off the Laptop and remove the battery.
- The HDD/Memory Cover is held by 3x Phillips screws. Remove them.
- Remove the Cover.

## Step 2 — Fan / Cooling System



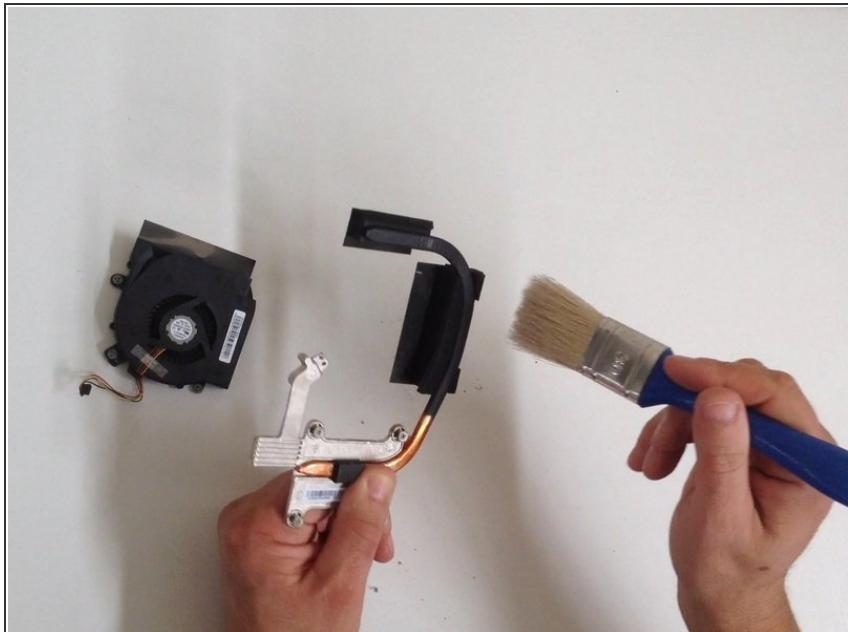
- Disconnect the Fan cable.
- Remove the 2x screws from the Fan module.
- Unscrew 4x screws around the processor.
- Carefully lift the Cooling System.

## Step 3



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

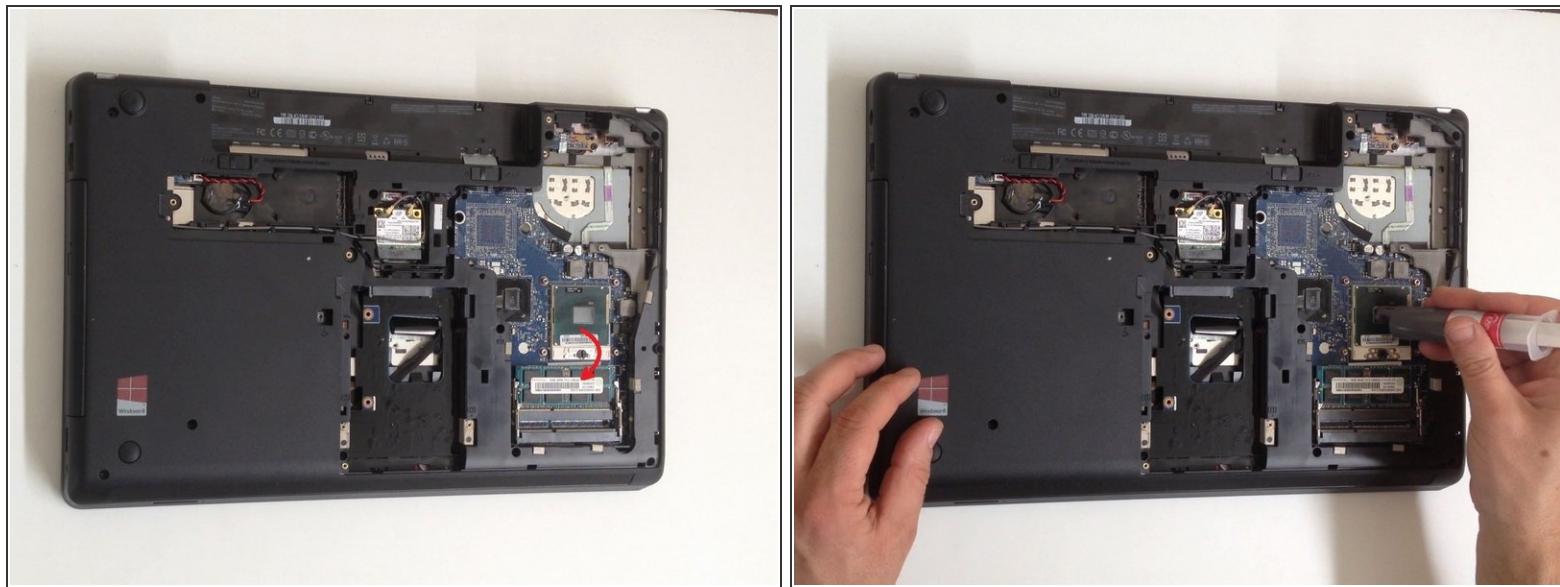
## Step 5 — Processor / CPU



- Clean the old thermal compound. 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.
- To remove the Processor, turn the CPU socket screw 90 degrees to open the socket.
- Lift the Processor from the socket.

**⚠** Be careful to lift straight up without bending the CPU pins.

## Step 6



- ⓘ Before you place the new Processor, be sure the socket screw is in the open position.
- ⚠ Delicately place the Processor into the socket.
- Close the socket with the socket screw.
- Put thermal compound on the processor surface and carefully install back the Cooling system.

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