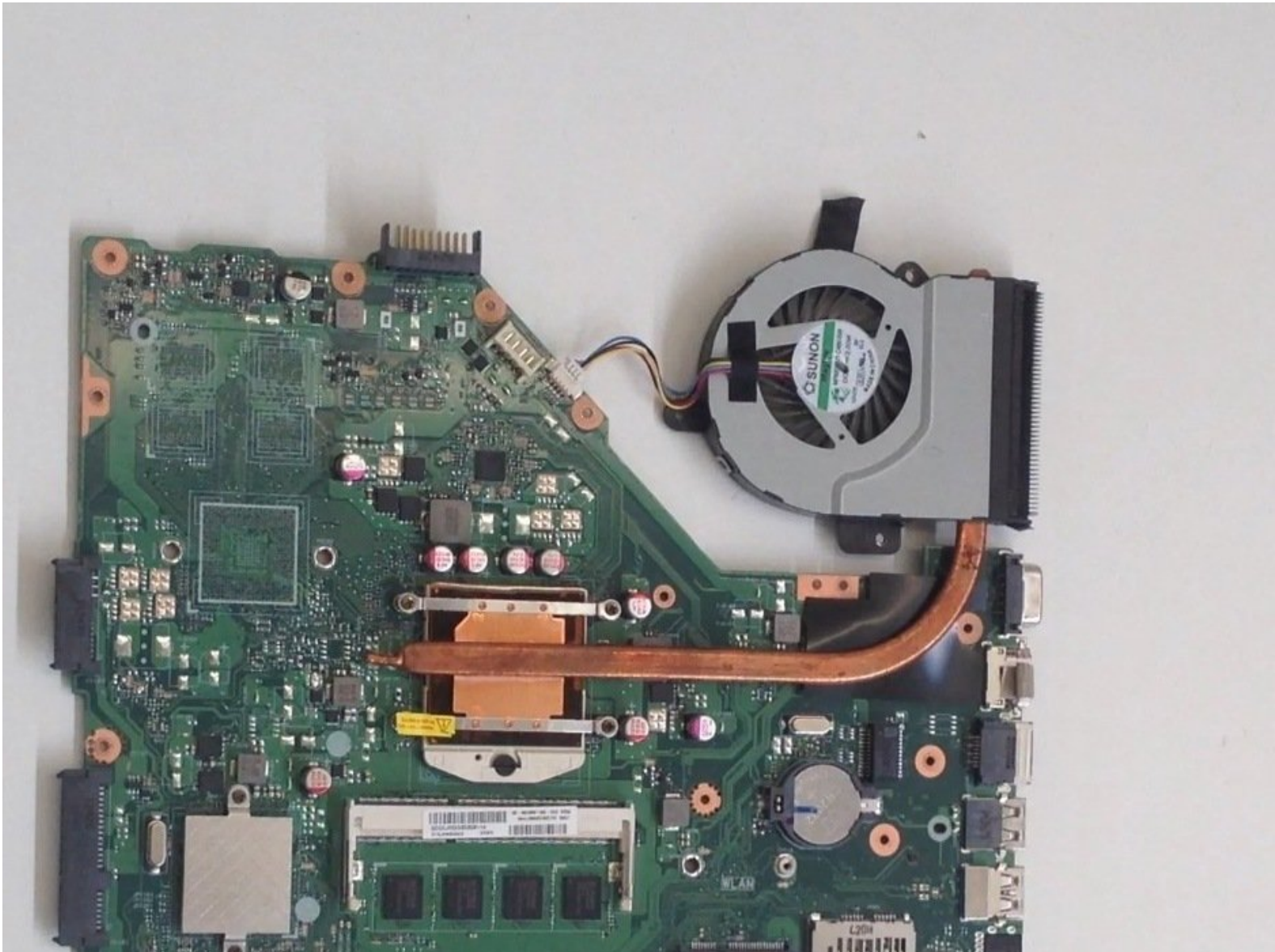




# Asus X55C Fan/Heat Sink Cleaning and Thermal Past Application

Repairing Asus X55C Fan / Headsinc System Cleaning, Thermal Paste Applying

Written By: ZFix



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## INTRODUCTION

If your system overheating, we show you how to disassemble it, clean the Cooling system and replace the CPU Thermal paste.

\_\_\_\_\_ **Video manual:** \_\_\_\_\_

[video: <http://youtu.be/zRjcZQ59SSY>]



### TOOLS:

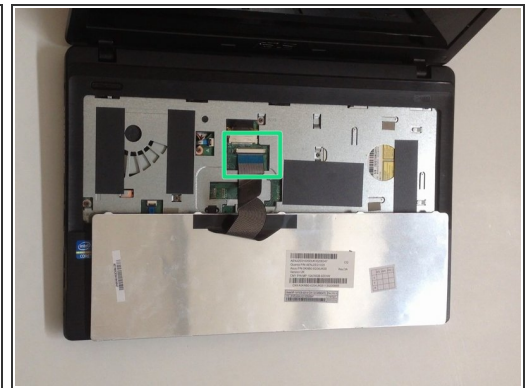
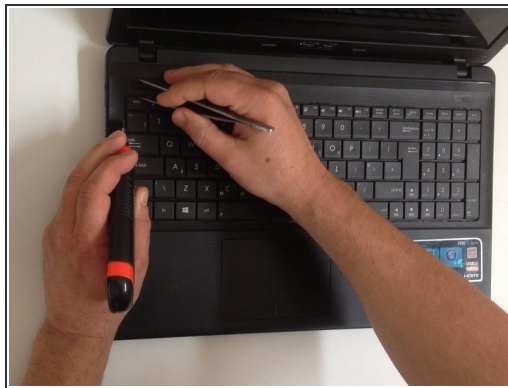
- [Tweezers](#) (1)
  - [Utility Knife](#) (1)
  - [Phillips #0 Screwdriver](#) (1)
  - [iFixit Opening Tools](#) (1)
  - [Arctic Silver Thermal Paste](#) (1)
  - [Anti-Static Brush](#) (1)
  - [Isopropyl Alcohol](#) (1)
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## Step 1 — Keyboard



- Switch off the laptop and remove the battery.

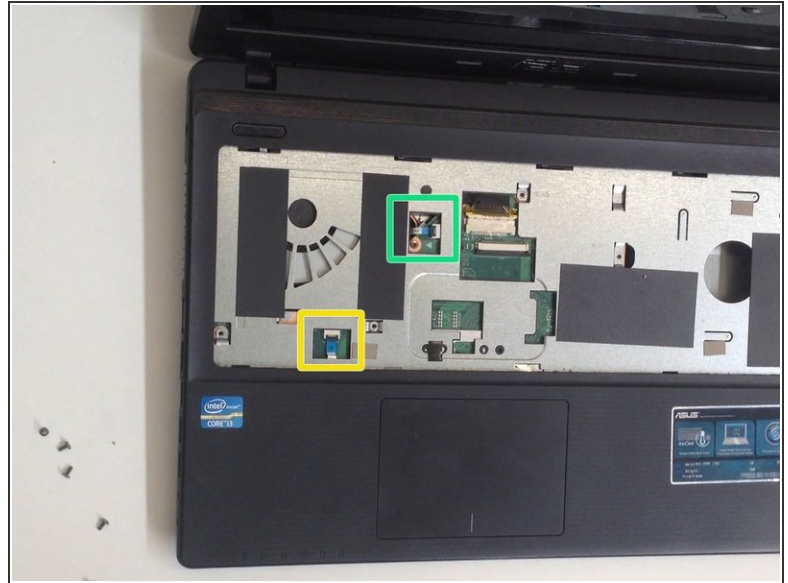
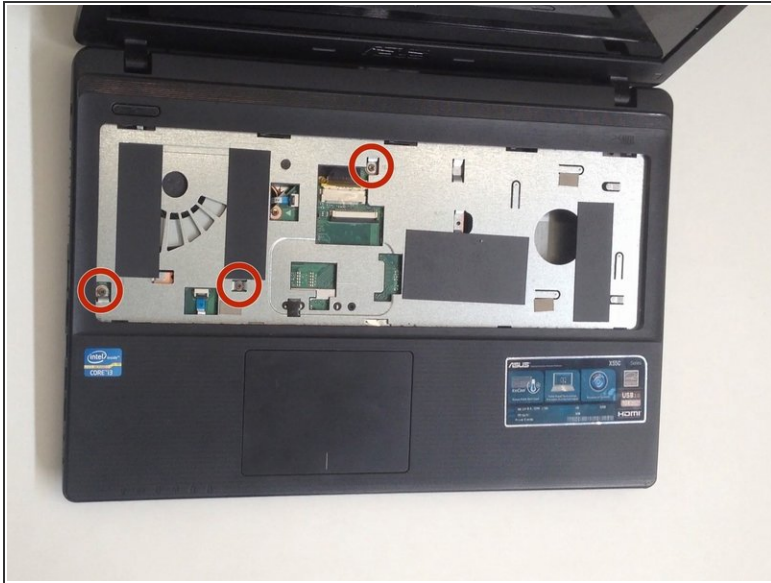
## Step 2



- The Keyboard is held by 5x locking clips.
- Pick up a little the one side of the Keyboard and start opening the clips one by one.
- Disconnect the Keyboard flex cable from the mother board and remove the KB.
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## Step 3 — Motherboard



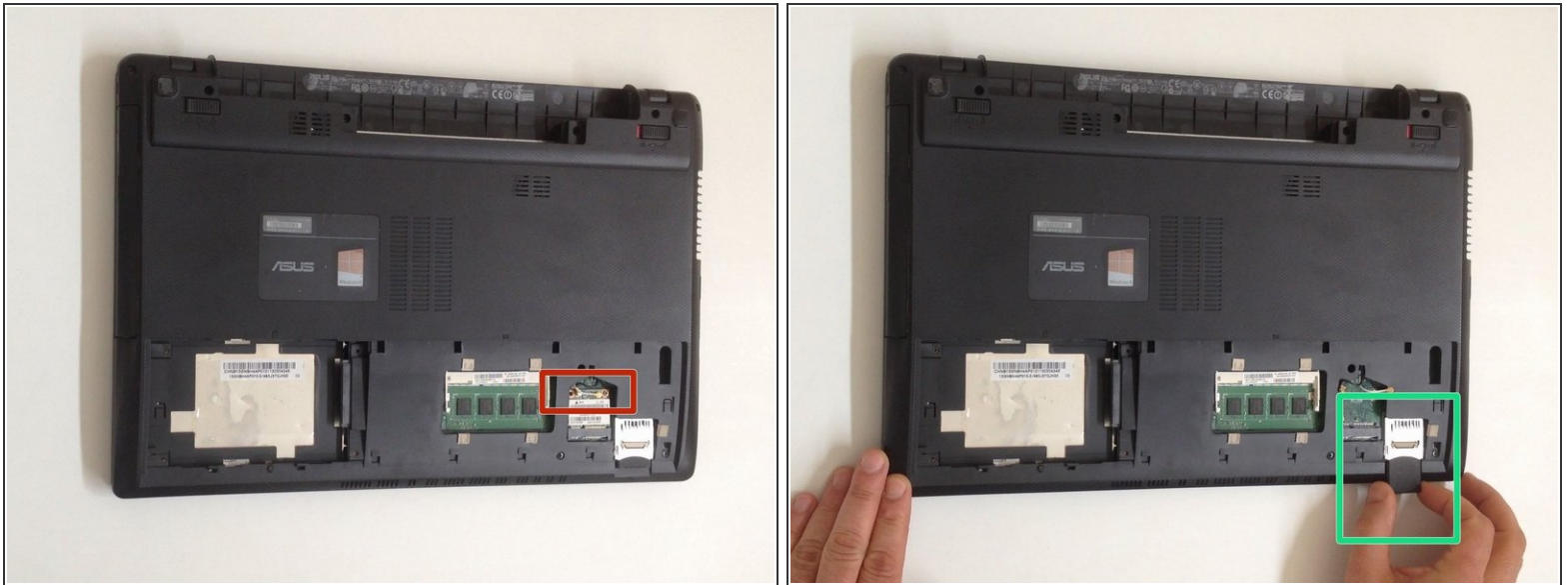
- Remove 3x Philips screws.
- Disconnect the two small flex cables:
  - Power On button flex cable
  - Touch pad flex cable

## Step 4



- Unscrew the two Philips screws and remove the HDD / RAM Cover.
- Remove three screws securing the hard drive caddy (hard drive assembly).
- Slide the hard drive assembly to the left to disconnect it from the motherboard.

## Step 5



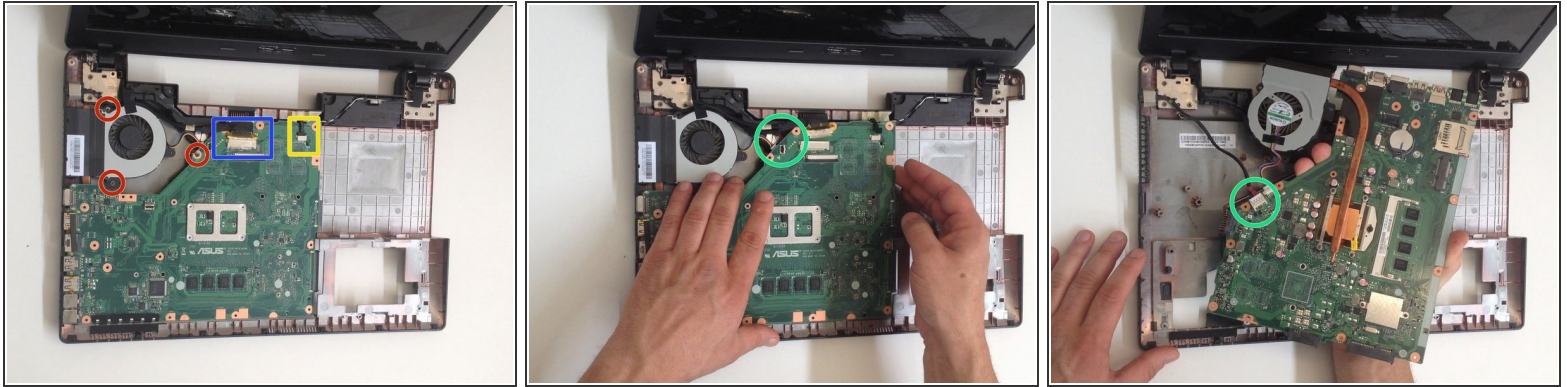
- Disconnect the two coaxial antenna cables from the Wi-Fi card.
- Remove any Memory or Dummy card.

## Step 6



- The bottom cover is held by 10x Phillips screws. Remove them.
- With a plastic tool separate the Upper cover and remove it.

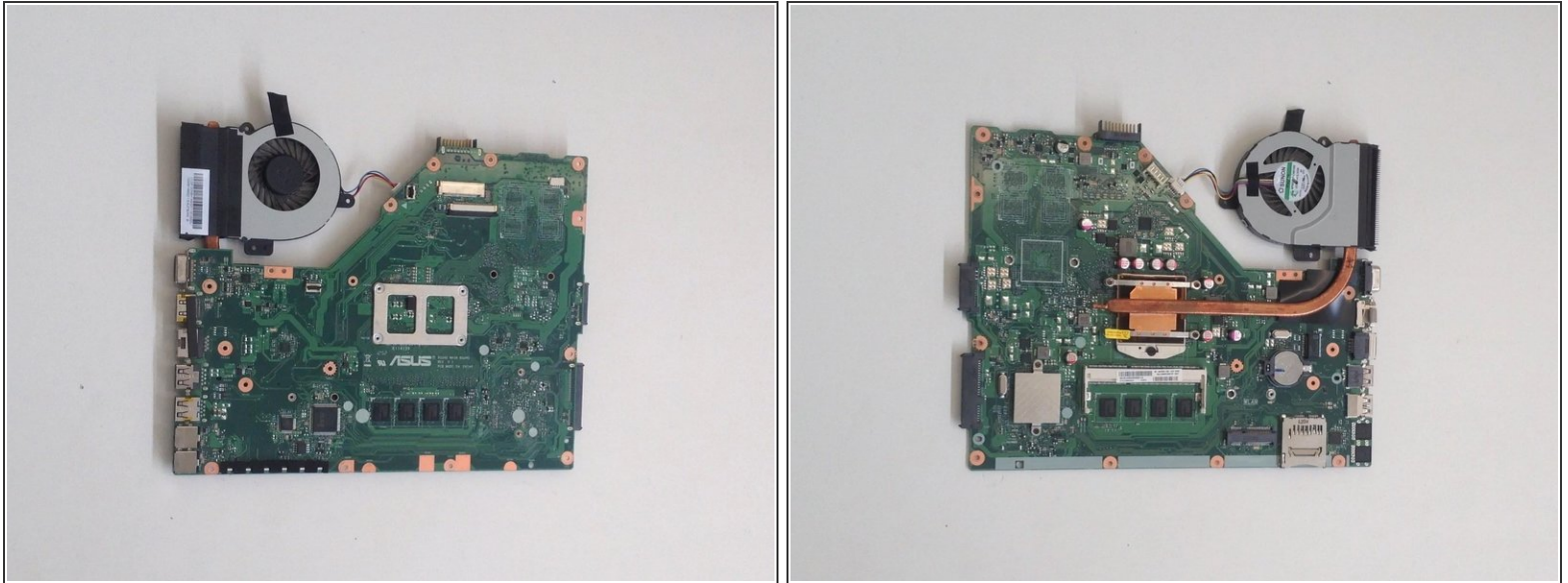
## Step 7



- Disconnect:
  - The Microphone cable
  - The LCD Display flex cable
- Remove 3x Phillips screws.
- Lift the board first from the right edge.
- There is another one cable, from the DC connector, connected to the underside of main board. We should spin the the board to disconnect the DC connector cable.

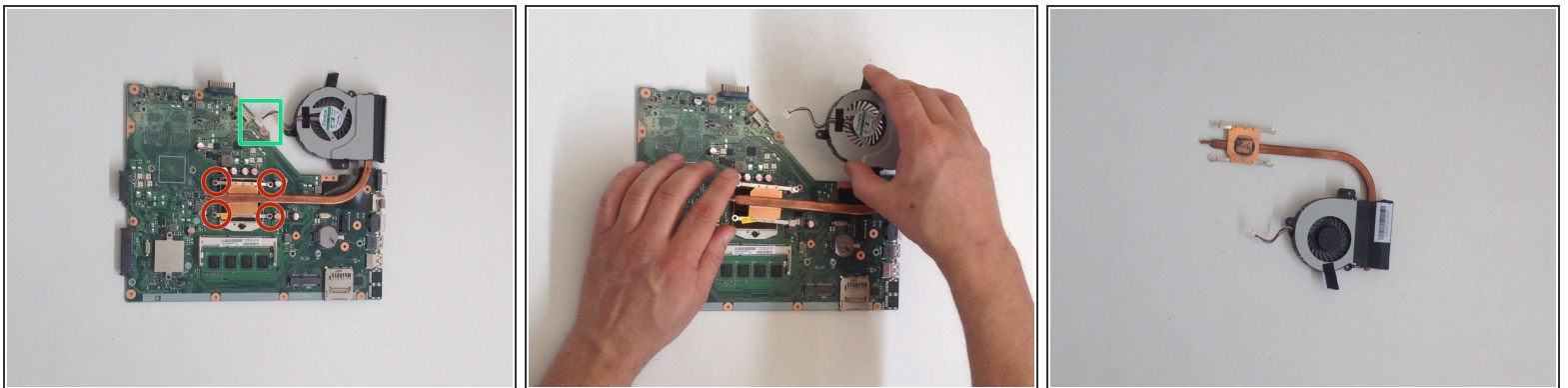


## Step 8



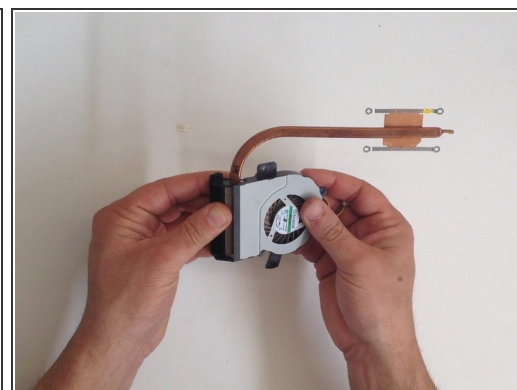
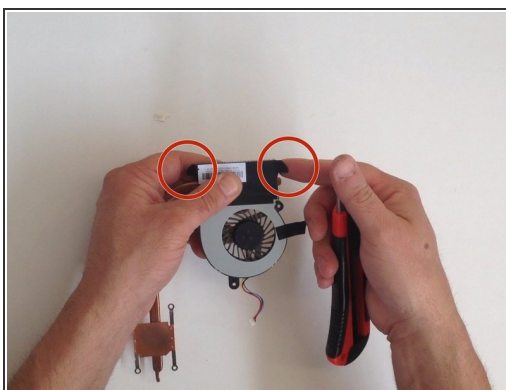
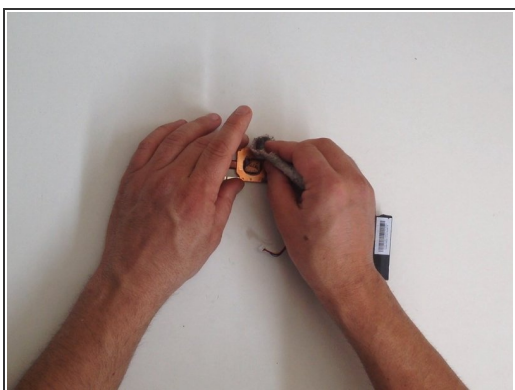
- ASUS X55C iCore with 4GB no board RAM motherboard, model: **60-N0OMB1100**
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## Step 9 — Asus X55C Fan/Heat Sink Cleaning and Thermal Past Application



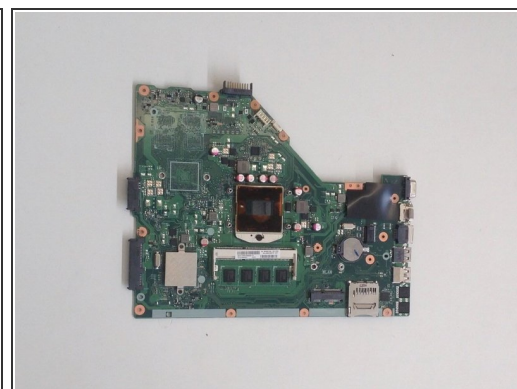
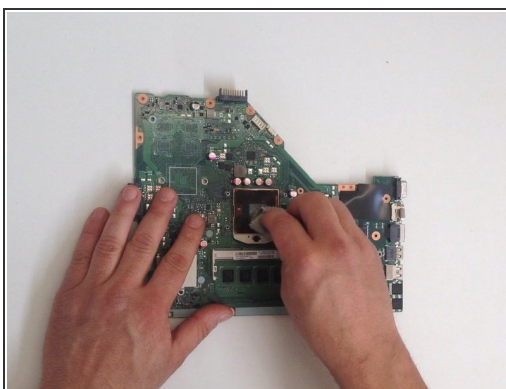
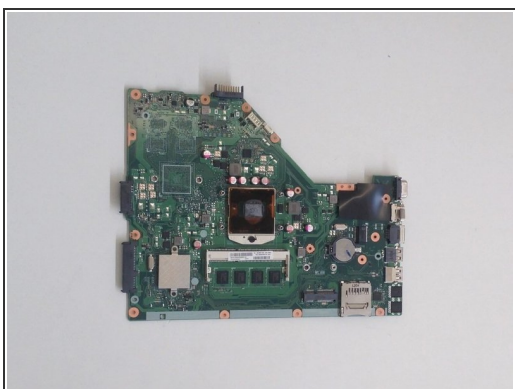
- Disconnect the Fan cable from the Motherboard.
- Remove the screws (4x Phillips screws) that hold the cooling system to the Motherboard
- ⚠ Remove the Cooling System carefully, if you don't want to break the CPU.

## Step 10



- Use a lint-free cloth 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.
- Use again cloth with **isopropyl alcohol** to clean the Thermal surface.
- The Fan and Headsink are held together with a large black bar. Removing the tape at both ends, to separate the Fan from the Headsink.
- Use a soft anti static brush and clean the Heatsink on the inside.

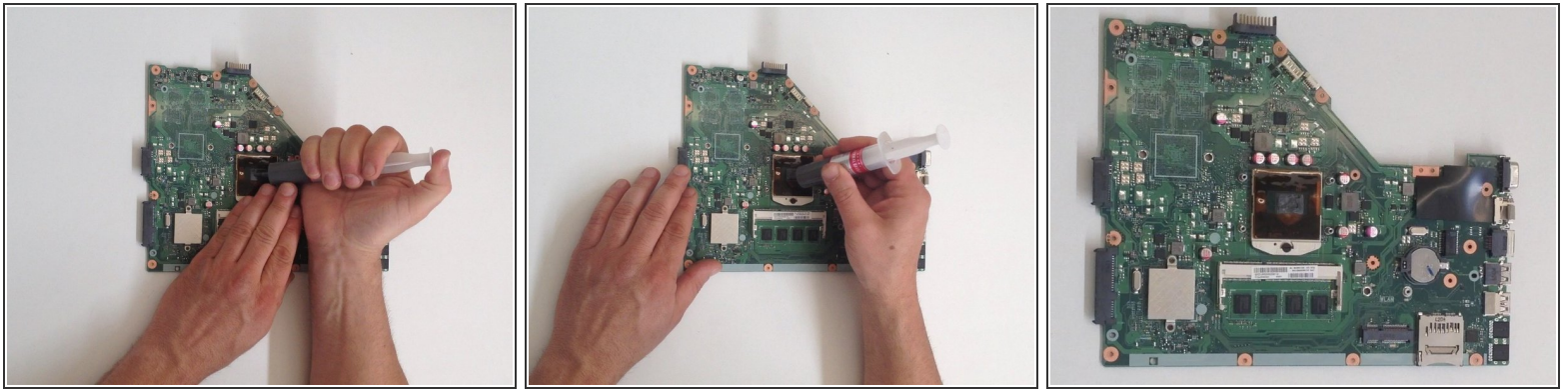
## Step 11



- Use the same technic to clean the surface of the processor from the old thermal compound
- ⚠ Be carefully, if you don't want to break the CPU.

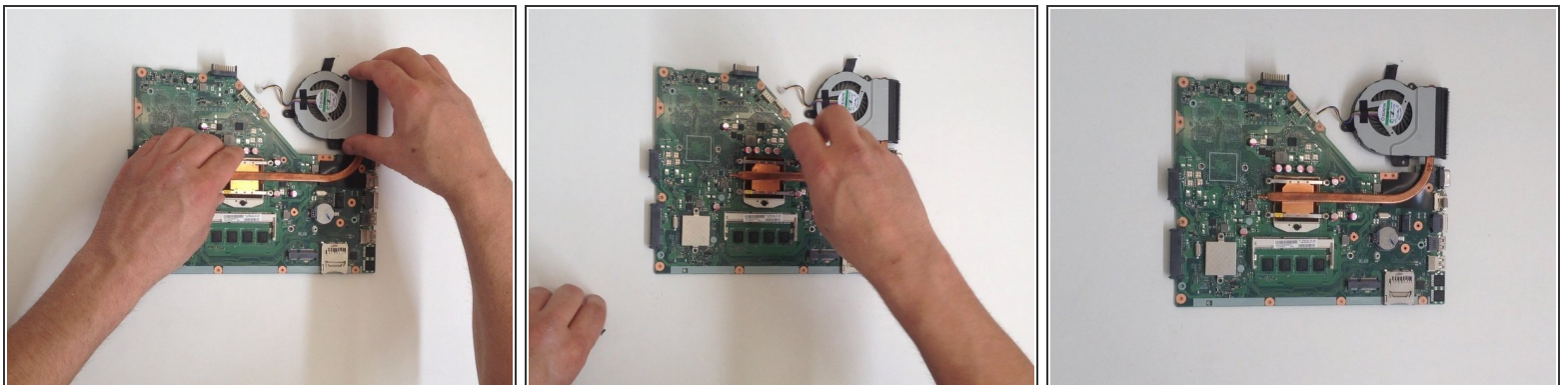


## Step 12



- Dispense a small amount of thermal compound and gently smear it over the entire processor surface.

## Step 13



- ⚠ Careful install the Cooling system with even pressure from all sides, and the bead that you placed on the surface will spread over the entire contact surface.

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- .
- .
- .
- **Did you do it successfully?**

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