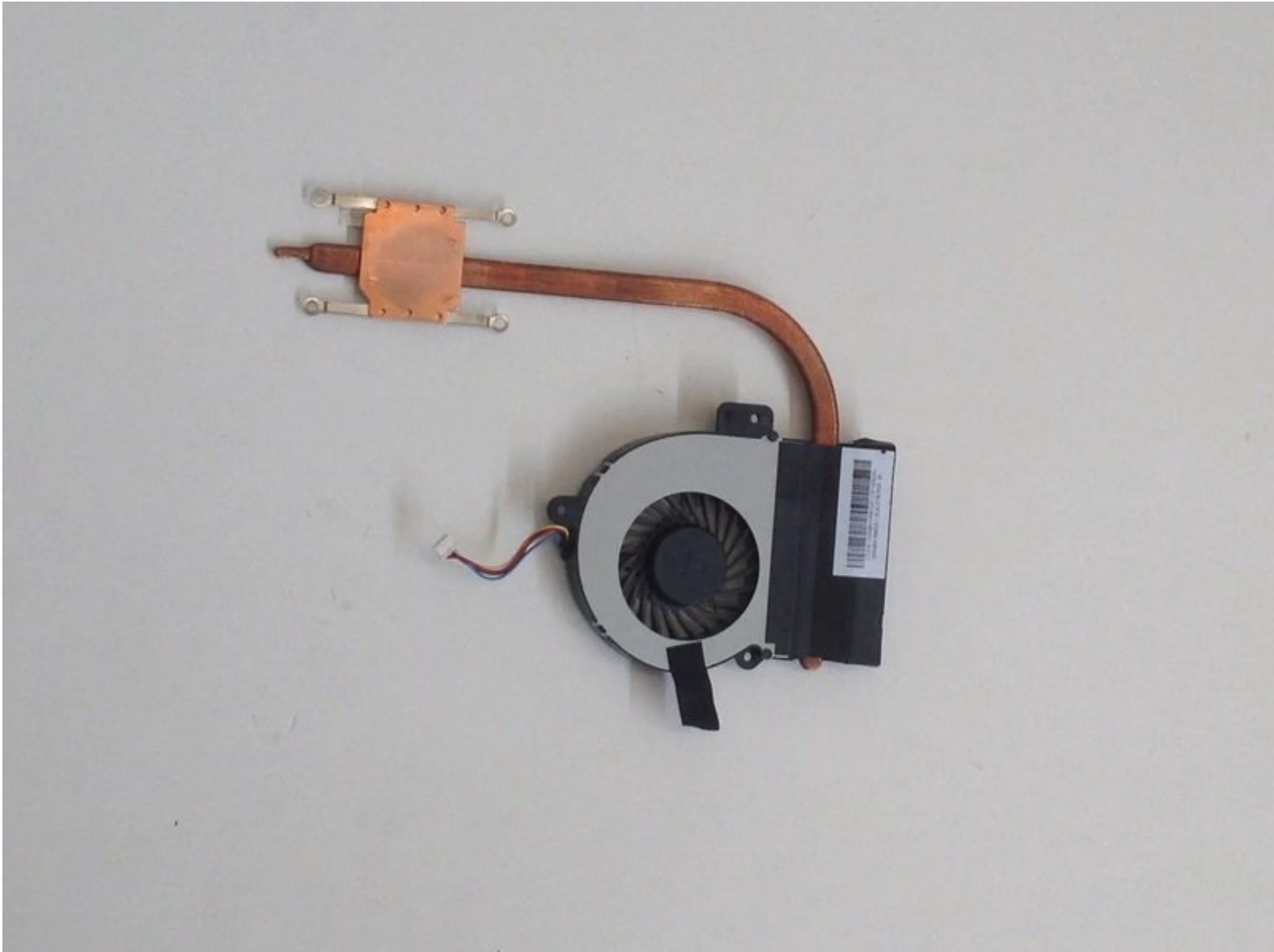




Asus X55C Cooling / FAN System Replacement

Asus X55C Cooling / FAN System Replacement

Written By: ZFix



INTRODUCTION

How to disassemble the laptop and replace the cooling / fan system.

_____ **Video manual:** _____

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



TOOLS:

- [Tweezers](#) (1)
- [Utility Knife](#) (1)
- [Phillips #0 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)



PARTS:

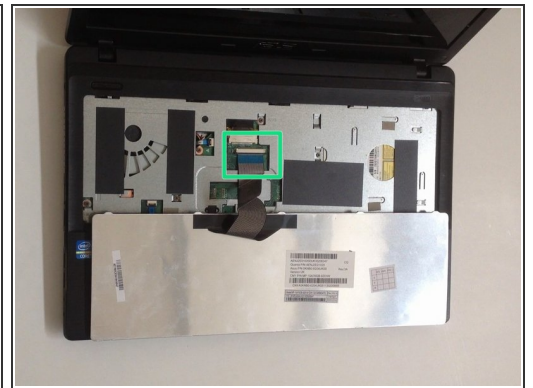
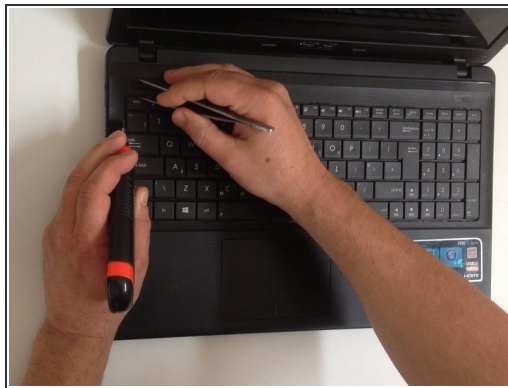
- [Arctic Silver Thermal Paste](#) (1)

Step 1 — Keyboard



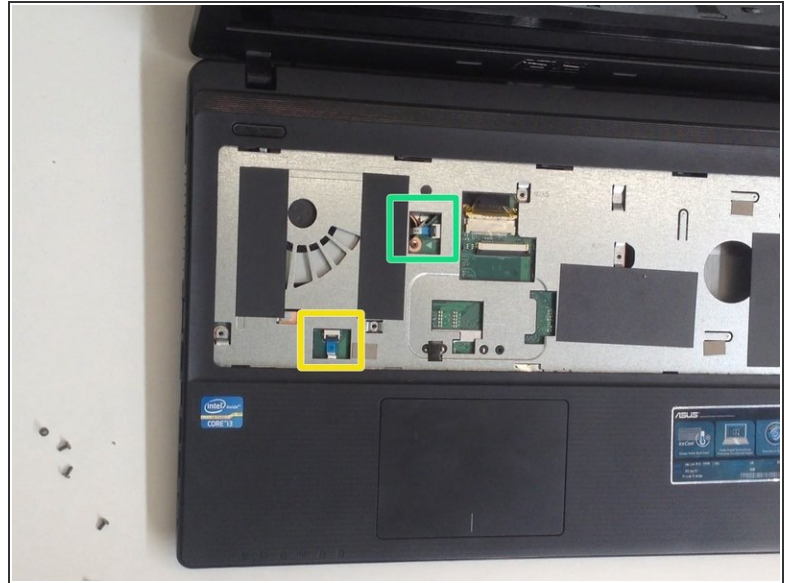
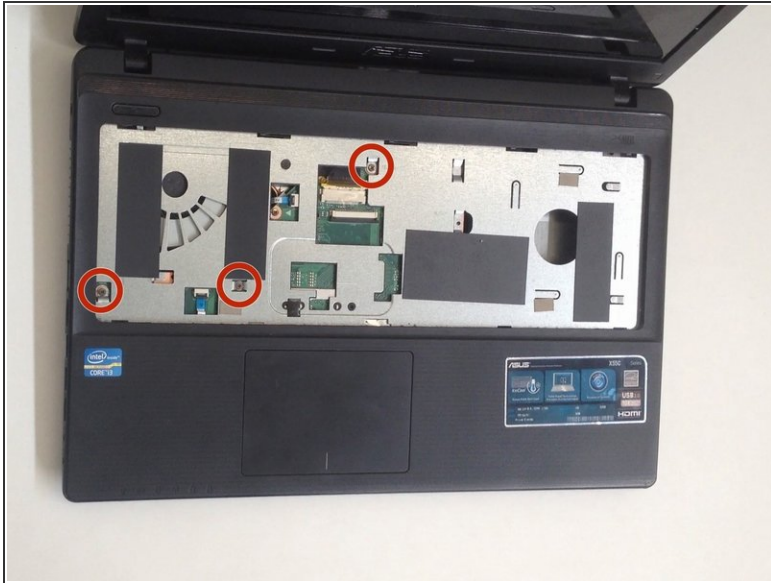
- Switch off the laptop and remove the battery.

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



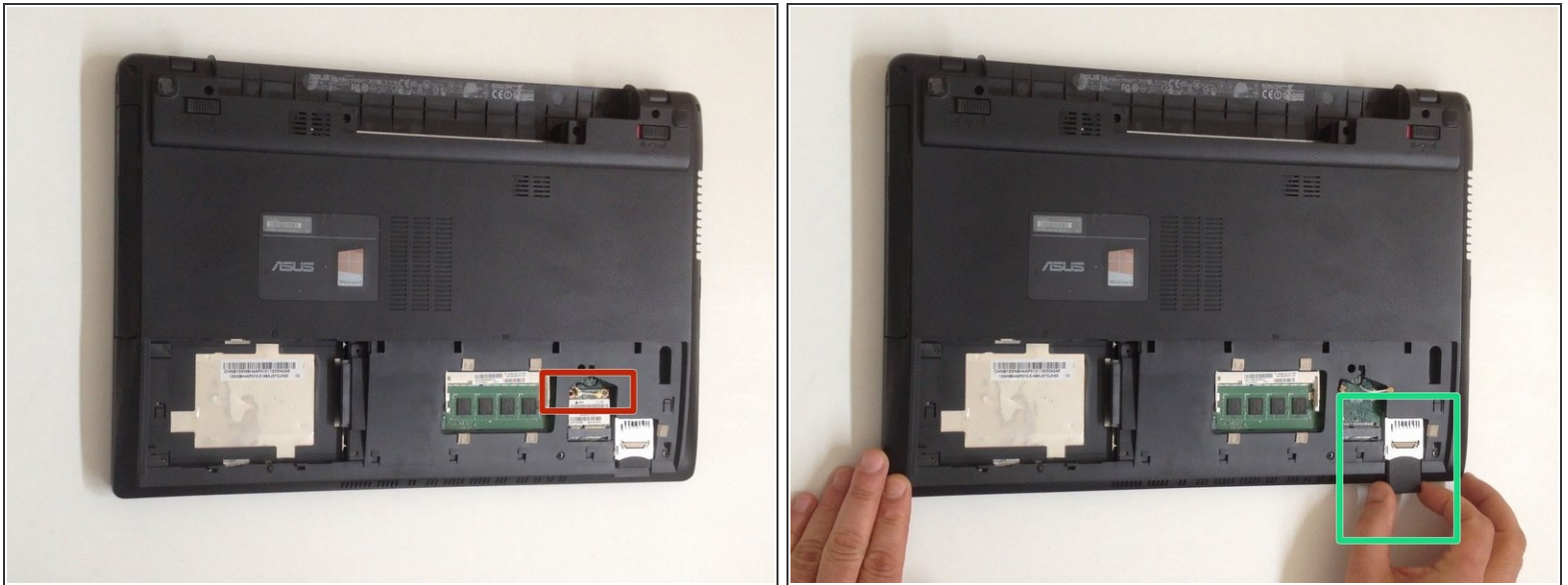
- Remove 3x Philips screws.
- Disconnect the two small flex cables:
 - Power On button flex cable
 - Touch pad flex cable

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



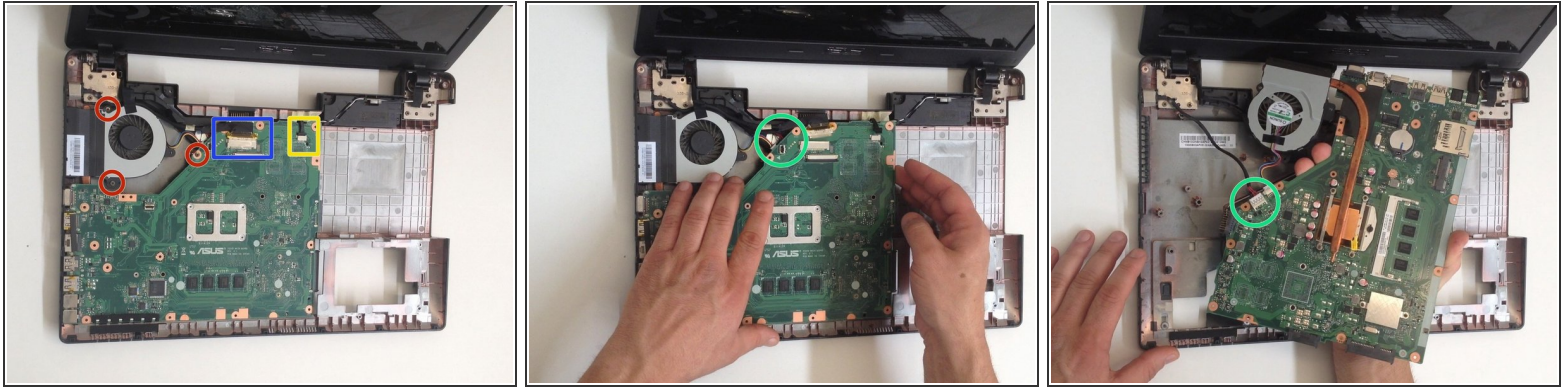
- Disconnect the two coaxial antenna cables from the Wi-Fi card.
- Remove any Memory or Dummy card.

Step 6



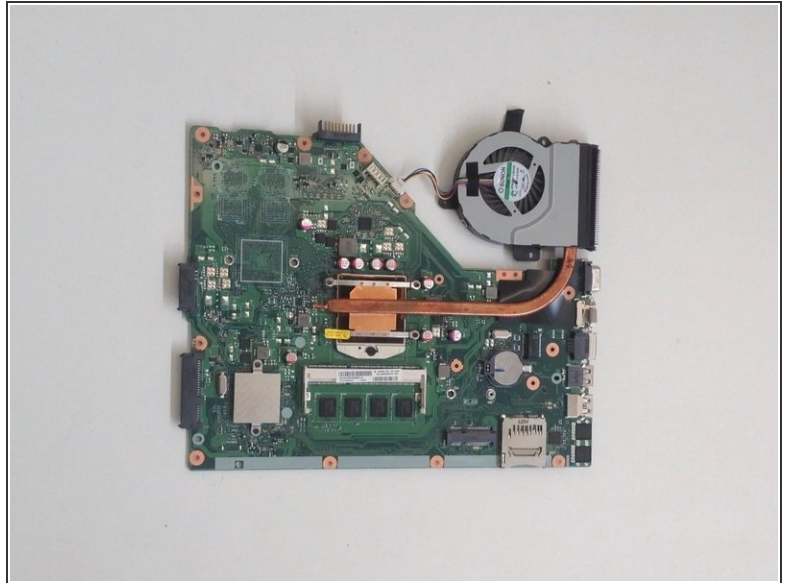
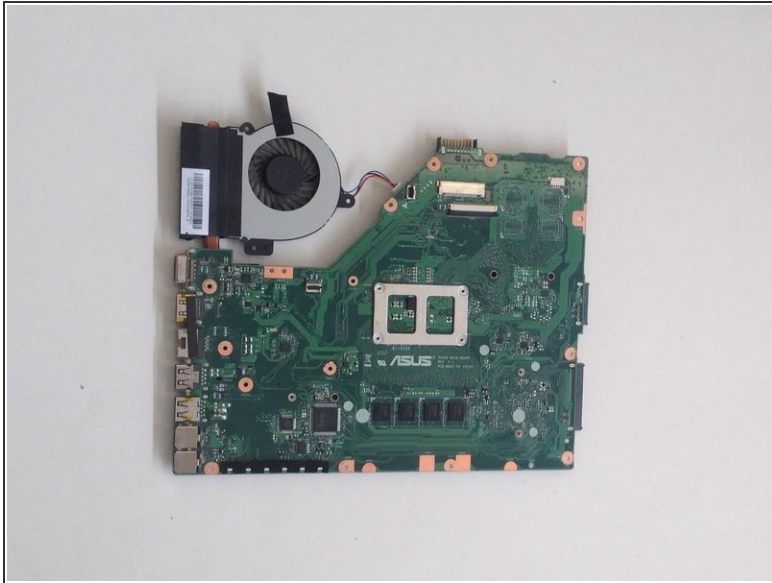
- The bottom cover is held by 10x Phillips screws. Remove them.
- With a plastic tool separate the Upper cover and remove it.

Step 7



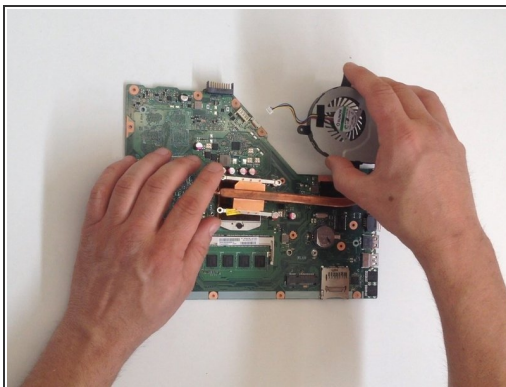
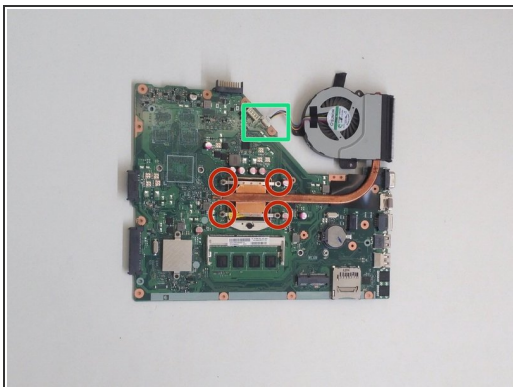
- Disconnect:
 - The Microphone cable
 - The LCD Display flex cable
- Remove 3x Phillips screws.
- Lift the board first from the right edge.
- There is another one cable, from the DC connector, connected to the underside of main board. We should spin the the board to disconnect the DC connector cable.

Step 8



- ASUS X55C iCore with 4GB no board RAM motherboard, model: **60-N0OMB1100**
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Step 9 — Cooling / FAN System



- Disconnect the Fan cable from the Motherboard.
 - Remove the screws (4x Phillips screws) that hold the cooling system to the Motherboard
 - CPU Cooling System - Cooling Heatsink and Fan.
- ⚠ Remove the Cooling System carefully, if you don't want to break the CPU.
- ⚠ Before installing the new Cooling System, clean the CPU and put new thermal compound / paste.

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