



Disassembling acer aspire 7551g

today we will show you how to open/ repair and upgrade the acer aspire 7551g

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INTRODUCTION

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TOOLS:

- [2.5 mm Flathead Screwdriver](#) (1)
 - [Metal Spudger Set](#) (1)
 - [iSesamo Opening Tool](#) (1)
 - [Phillips #000 Screwdriver](#) (1)
 - [IC Extractor/Connector Puller](#) (1)
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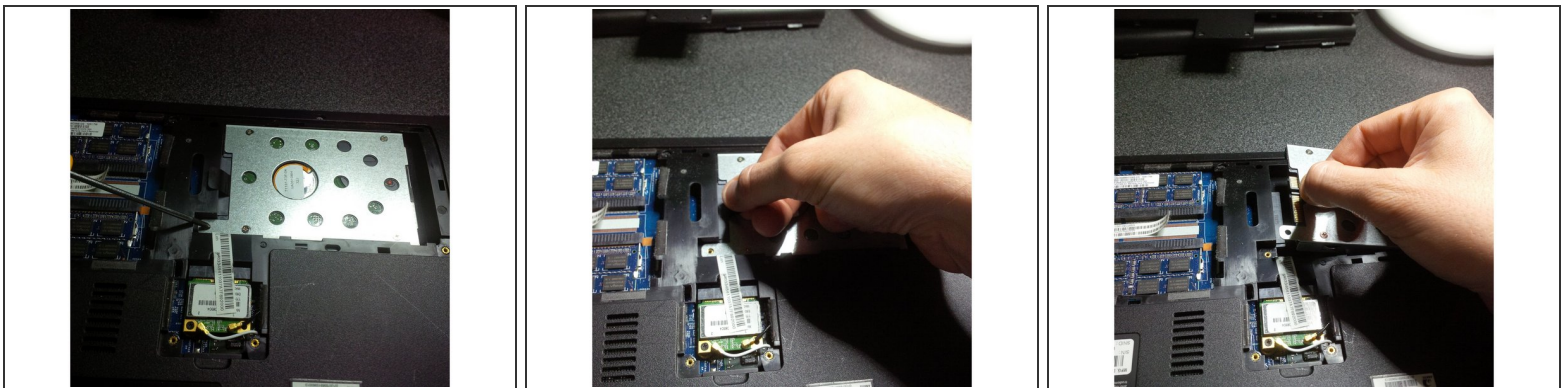
Step 1 — Disassembling acer aspire 7551g



i first of all : when you open a laptop you need to know where the screws come from , and how to put them back in the right location. so draw a map or use a magnetic project map.

- remove the battery
- open the back panel (remove the 4 screws) underneath you will see ram , hdd and wifi card.

Step 2 — removing hard drive



- now remove the HDD , there is a screw you have to remove. (under the screwdriver at the picture)
- to get the hdd out you will have to pull the hdd plastic tab to the right . afterwards the hdd will be loose and you can remove it.

Step 3



- remove the RAM modules. just click the metal levers tot the right and they will pop up.
- remove the black screw from the wifi card. and remove the 2 antenna's. remember the color code.

Step 4 — removing dvd bay.



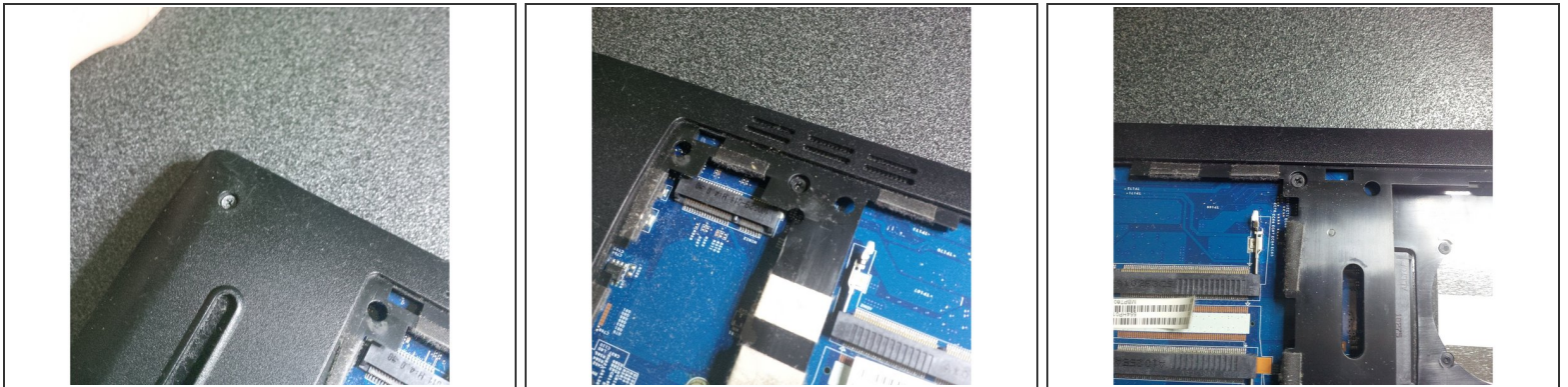
- first remove the screw like you see in picture 1
- use a spudger to pry the dvd bay away from the case

Step 5 — removing case screws



- remove the case screws

Step 6 — remove screws part 2



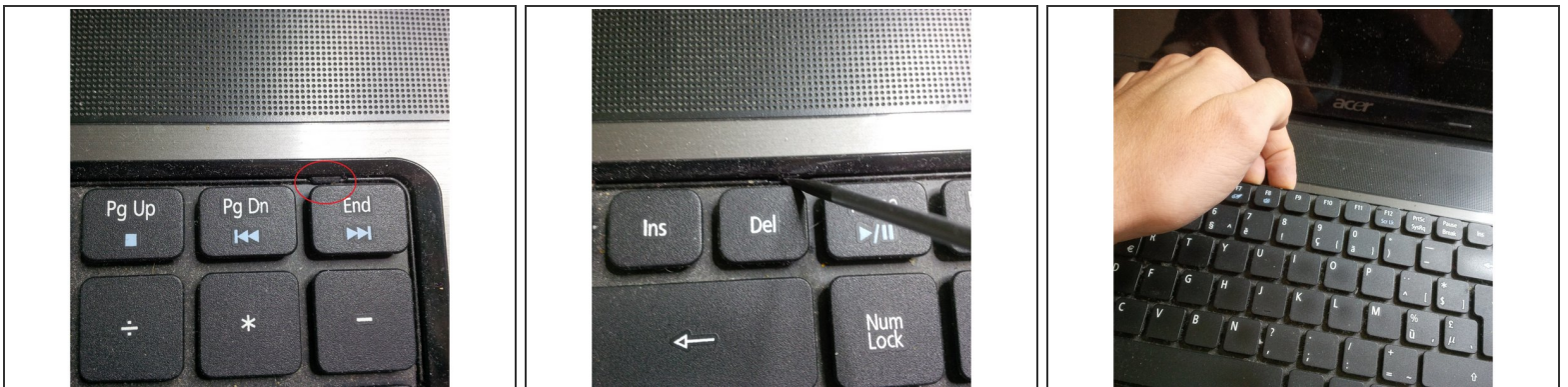
- remove following screws

Step 7 — removing the screws part 3



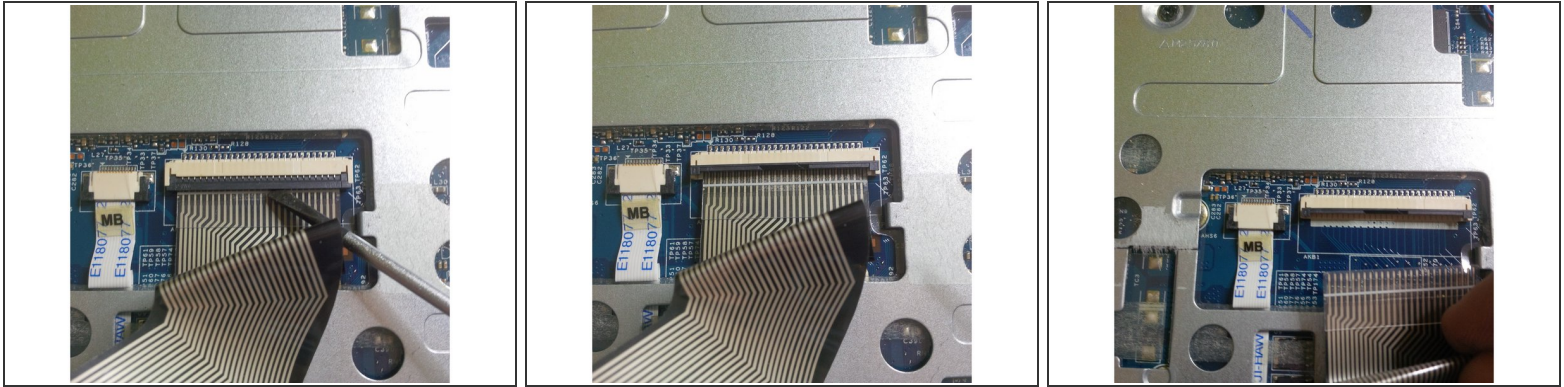
- remove the following screws

Step 8 — remove the keyboard



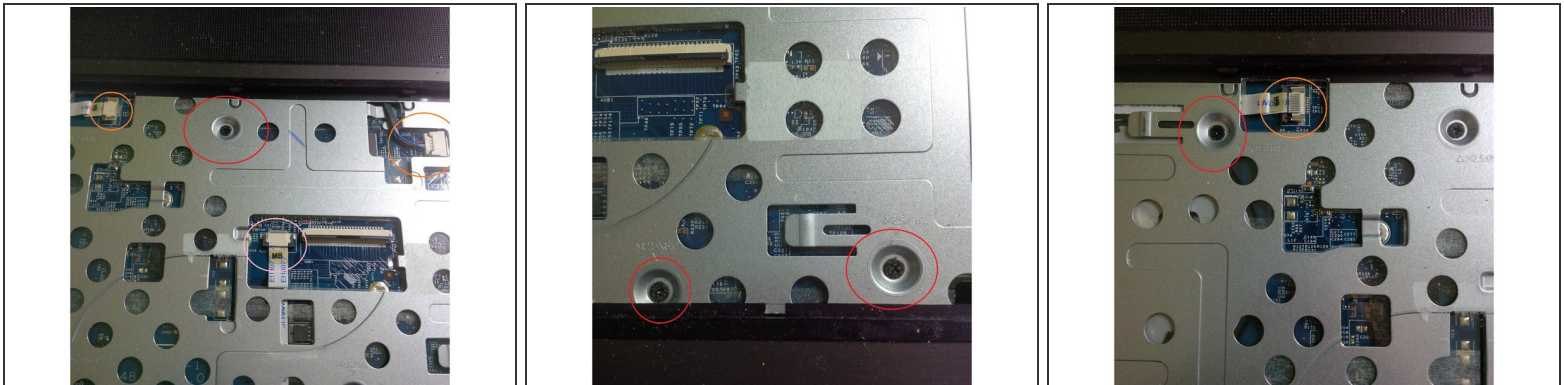
- now we will remove the keyboard
- ❗ note that if you have to replace the keyboard you don't have to remove any screws , just follow these instructions.
- you have to push the "clips " away from the keyboard. (3 clips)
- afterwards just pull (gently) the keyboard away. (but watch out for the flex cable. In the next step you'll see how to remove the flex cable.

Step 9 — remove keyboard flex cable



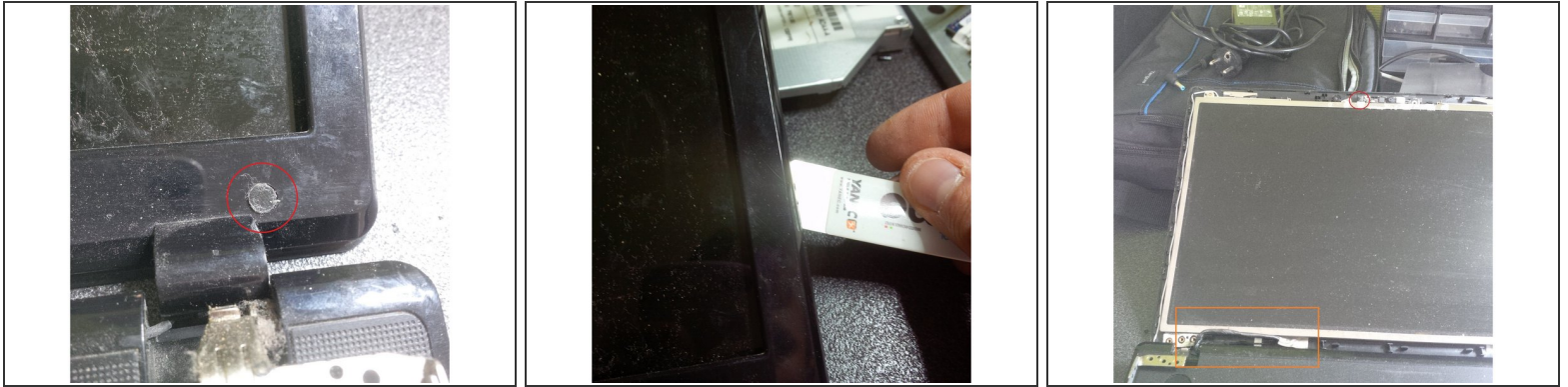
- first we remove the flex cable from the keyboard.
- lift it up by using a flathead screwdriver.

Step 10 — remove screws and cables of mid frame



- remove the cable's (orange and pink circle) use an IC extractor or a flathead screwdriver : be very carefull
- remove aslo the screws (red circle)

Step 11 — removing the screen



- before we open up the case , we will remove the screen.
 - remove all black plastick stickers to reveal the hidden screws.
 - remove the screws and pry open the case around the screen.
- ⚠ be carefull cause there is adhesive under te cover. just pry and slide with your isesamo and you will hear clicks.
- after that you will see the screen. remove the cable from the webcam module.
 - remove the screws at the (both sides) side of the screen (tiny screws in the metal frame around the screen)

Step 12 — removing the screen part 2



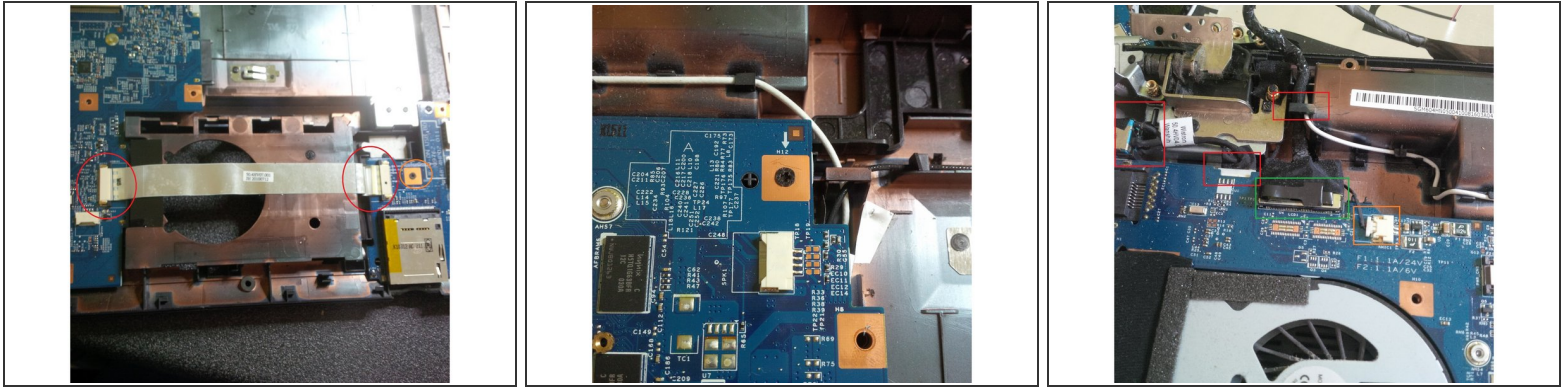
- after removing all the screws there is the LCD cable. gently remove it.

Step 13 — opening the case



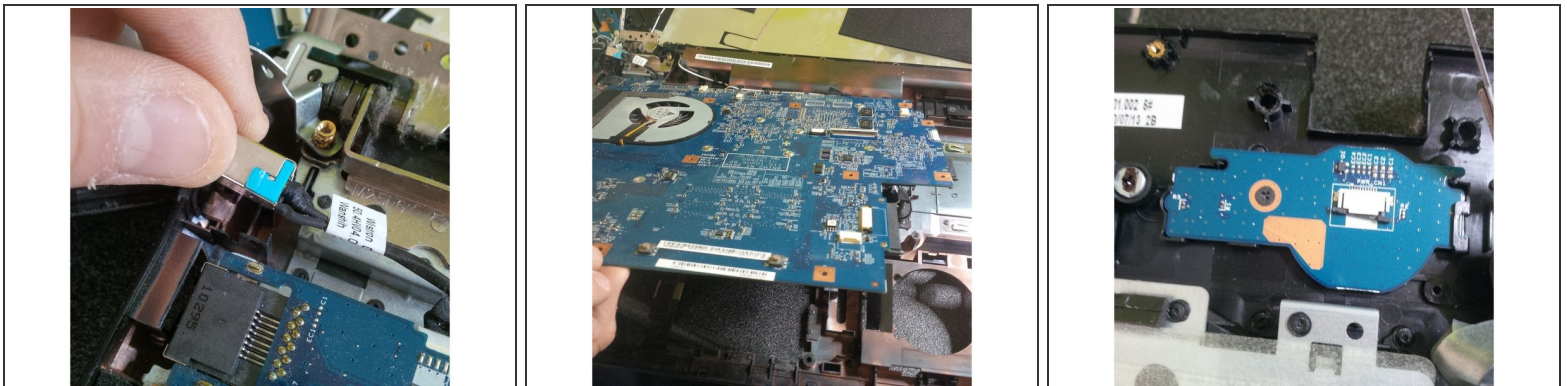
- use an iSesame opening tool to open the laptop. slide with it and you will hear clicks.

Step 14 — removing mainboard



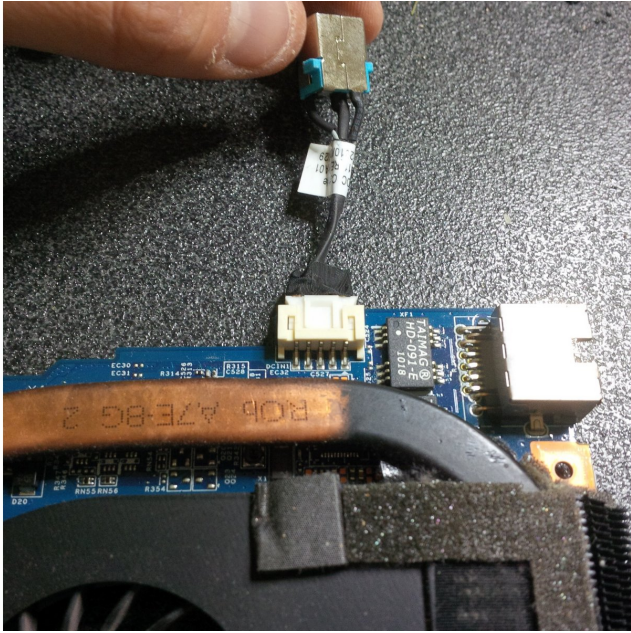
- remove the cable from the connectors and remove the screws from the usb pcb.
- after that remove the screw(s) from the mainboard.
- remove the LCD connector (do it gently , using the black plastic lid. Be carefull cause the cable is under a plastic holder don't break the cable..
- be carefull when you want to remove the mainboard, the DC jack is in an holder and the cable is short.

Step 15 — remove mainboard part 2



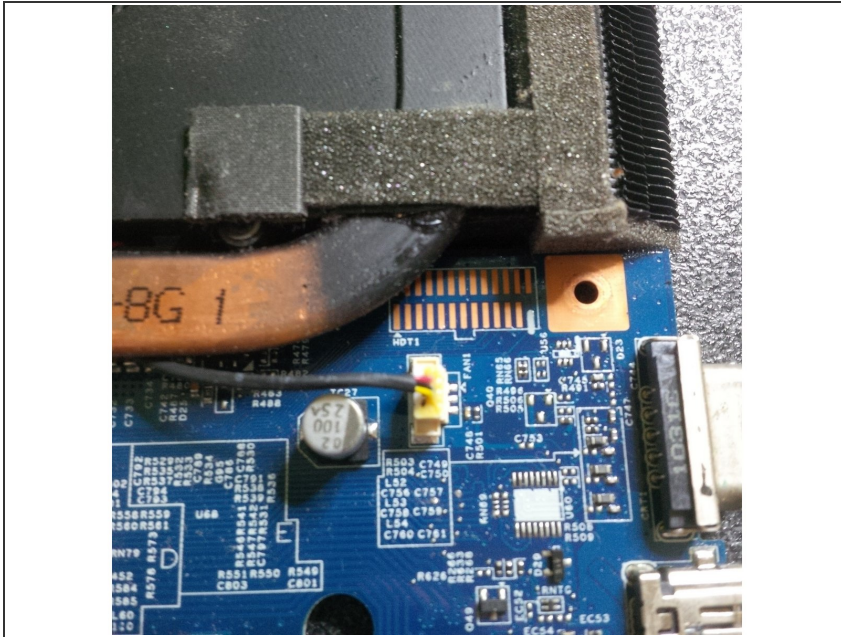
- get the DC jack out of is holder.
- remove the mainboard by lifting it up. and remove it from the case.
- now you can remove (if it's necessary ..) the power board PCB. see picture 3

Step 16 — removing the DC jack.



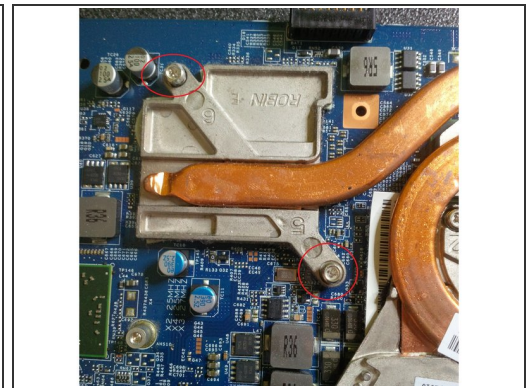
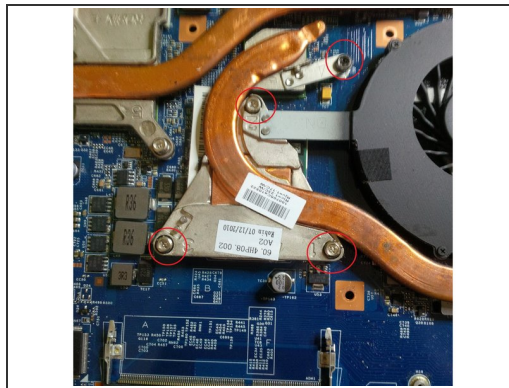
- if necessary you can replace the dc jack now. use a IC extracor ..

Step 17 — remove cooling pads and fan



- now we will remove the cpu/ graphic coolingpads and fan. You can do this for replacing the fan, or clean out the fan and renew the thermal paste or upgrade the cpu.
- remove the power connector of the fan from the mainboard, use a IC extractor.

Step 18 — removing cooling pads and fan part 2



- remove the screws from the cooling pads.

⚠ remove them simultaneous !

- after removing the screws lift the cooling pads up together with the fan.
- remove the thermal paste from the pads and chips. using Isopropyl alcohol.
- you can also remove the cpu and upgrade the system with a better cpu..
- to clean out the fan use compressed air and blow out the fan.

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