



Philips Pressurised Steam Generator GC8220

Teardown

uiteen halen van strijkijzer, je kan ook zien hoe verschillende onderdelen moeten vervangen worden. iron teardown, so you know how to replace parts.

Written By: Kevin D



INTRODUCTION

First of all, I must apologize for my incorrectly written English. My native language is Dutch.

So I hope that you have some fun with this guide!!

Don't hesitate to contact me if you have questions about this "repair / teardown" guide.



TOOLS:

- [T15 Torx Screwdriver](#) (1)
 - [15mm wrench](#) (1)
 - [long nose pliers](#) (1)
 - [little gasburner](#) (1)
 - [Phillips #1 Screwdriver](#) (1)
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Step 1 — Philips Pressurised Steam Generator GC8220 Teardown



- first remove the first screw of the side panel.

Step 2



- note : keep a plan of the screws. or a magnetic platform.
- now remove the upper screw in the white plastic plate.

Step 3



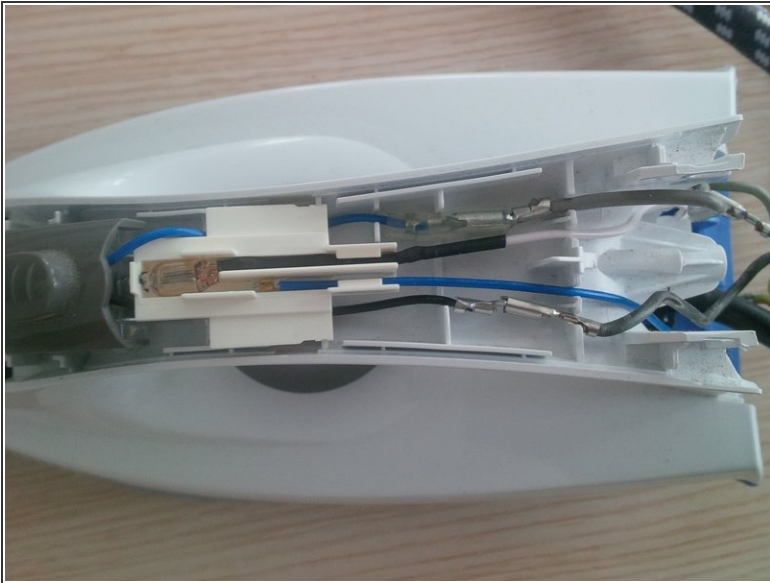
- remove the 2 screws and the metal plate.
- remind where all the cables run to.

Step 4



- remove the screws from the lower panel.

Step 5



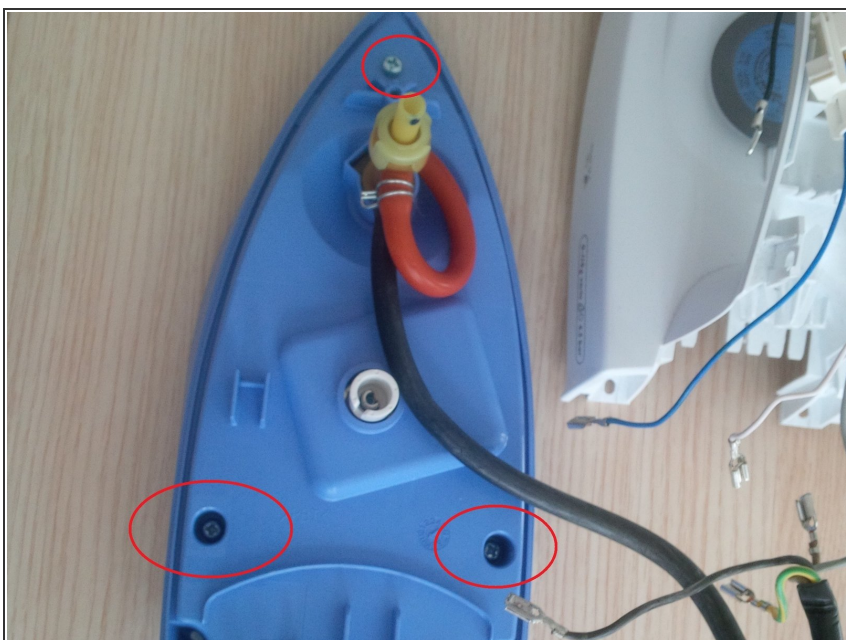
- now remove the upper blue plastic from the iron itself.
- click the wires loose. (you can click it loose at the metal part of the wire,there is a little metal clip you have to push and then pull the wire out.)
- if you put it together again , notice that the steam button is in his place.
- note: again, see where the wires run at.

Step 6



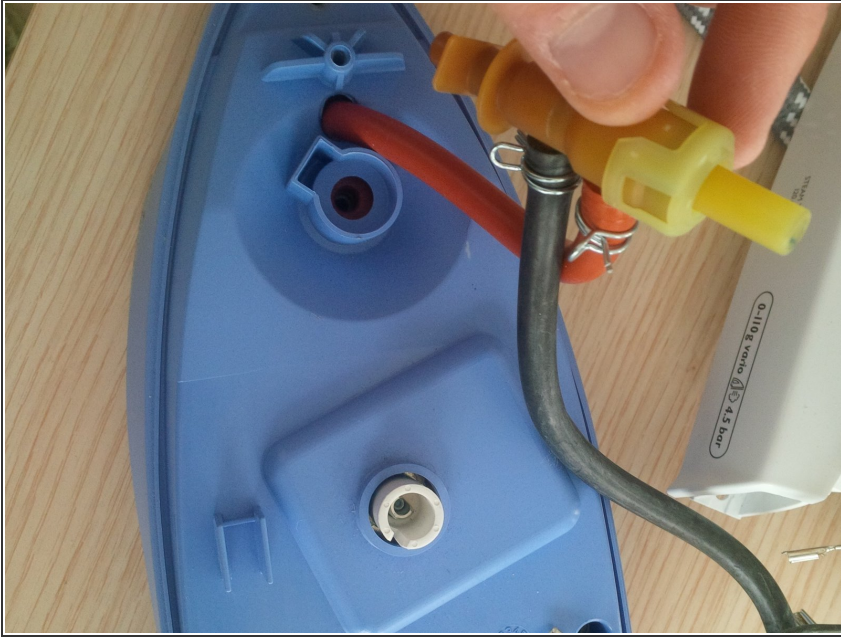
- remove the screw at the pointed side of the iron.

Step 7



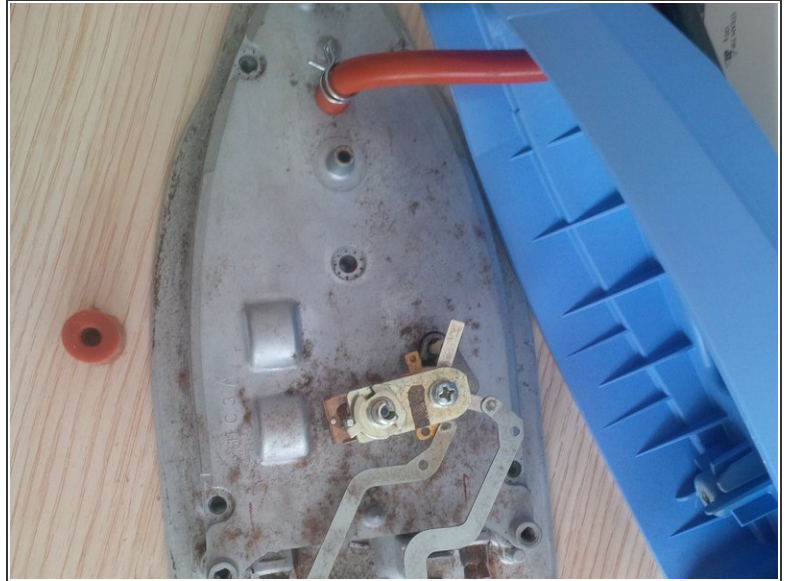
- remove the bottom plate screws.

Step 8



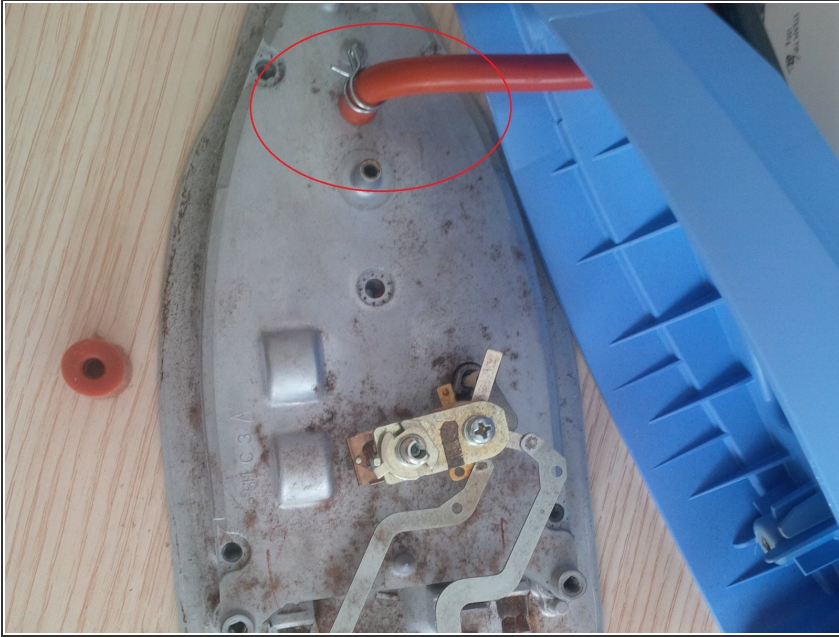
- remove the blue bottom plate and the cables

Step 9



- remove all the wires from the sockets.
- remove the white and blue plastic case around the iron.
- remove the red dot (rubber)
- and remove the 2 black dot rubbers.

Step 10



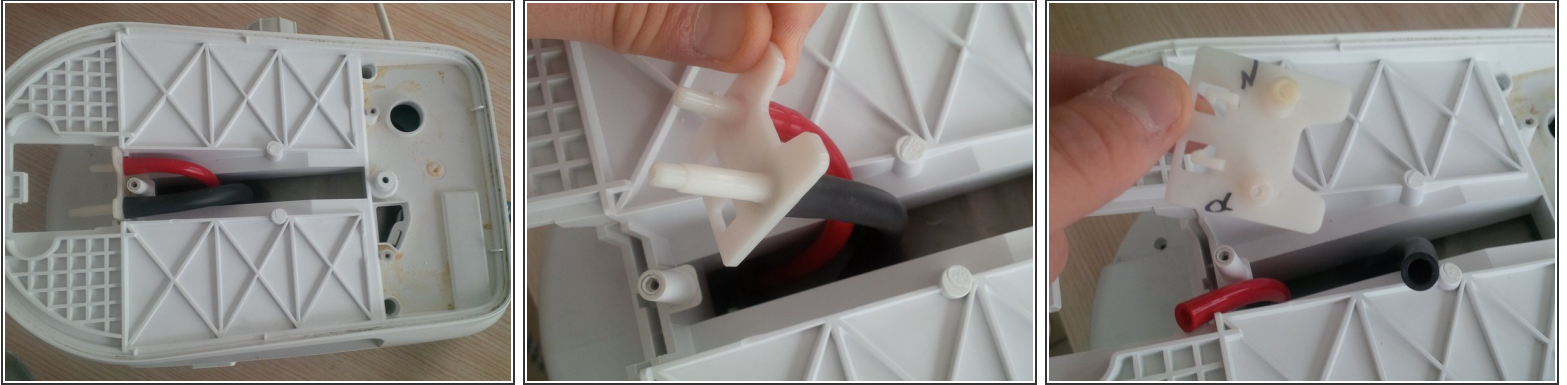
- remove the rubber wire (red/orange color) and the metal pin around it.
- tip : if you heat it up , it come loose easy
- tip : If the iron bottom plate is full of calc , you can put it in a bucket full of hot water with a lot of vinegar. (and i mean a lot!)

Step 11



- Now we start with the biggest part of the iron. the boiler and the water reservoir unit.
- remove the 3 torx screws at the iron plate. they are under the rubber footclips.

Step 12



- after removing the metal plate, you see two tubes.
- remove the plastic holder with the two tubes.
- remove the plastic from the tubes.
- tip : remind where the black tube is put in and where the red tube is in.

Step 13



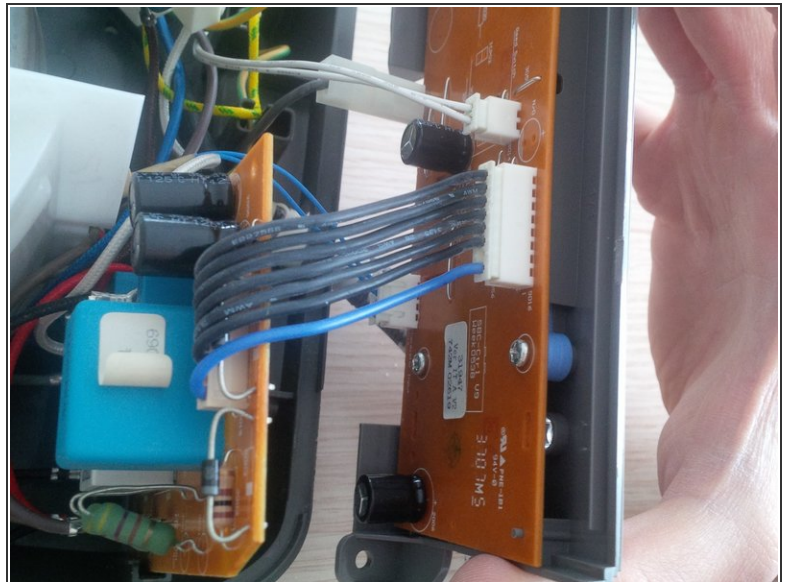
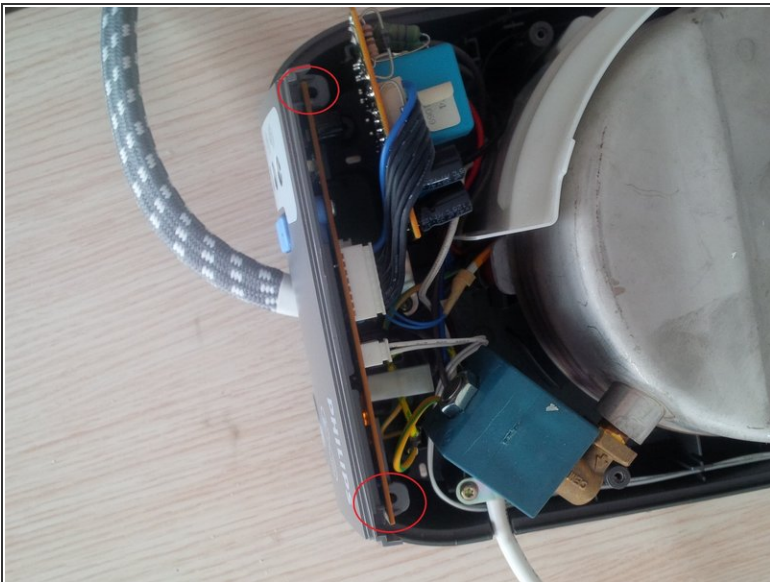
- remove the torx screws inside the plastic holes, you'll need a longer torx screwdriver.
- remove the other two torx screws in front of the machine ,where the waterreservoir normally is. (i don't have a picture of this.) but the screws are visible

Step 14



- remove the body of the machine and you'll see the boiler and the electronics, pump...

Step 15



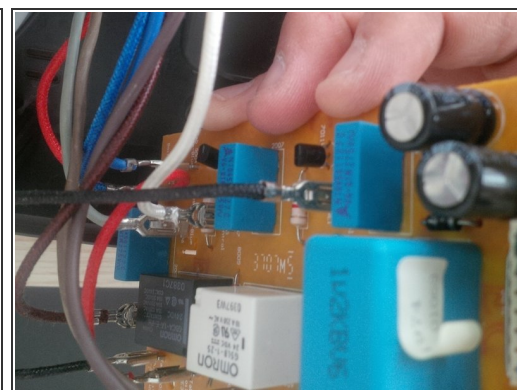
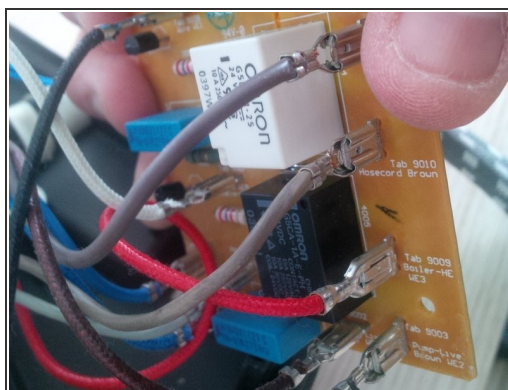
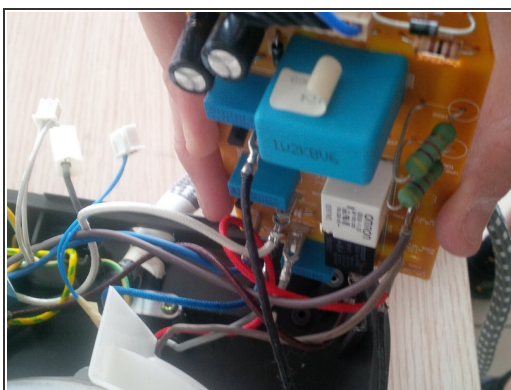
- remove the screws of the control panel.
- pull the control panel out.
- remove the connectors from the board.

Step 16



- remove head electrical wire (power)
- reminder : keep a plan from where to where to wires go. I made a electrical plan only for the boards, so i knew where to plug the wires in again.

Step 17



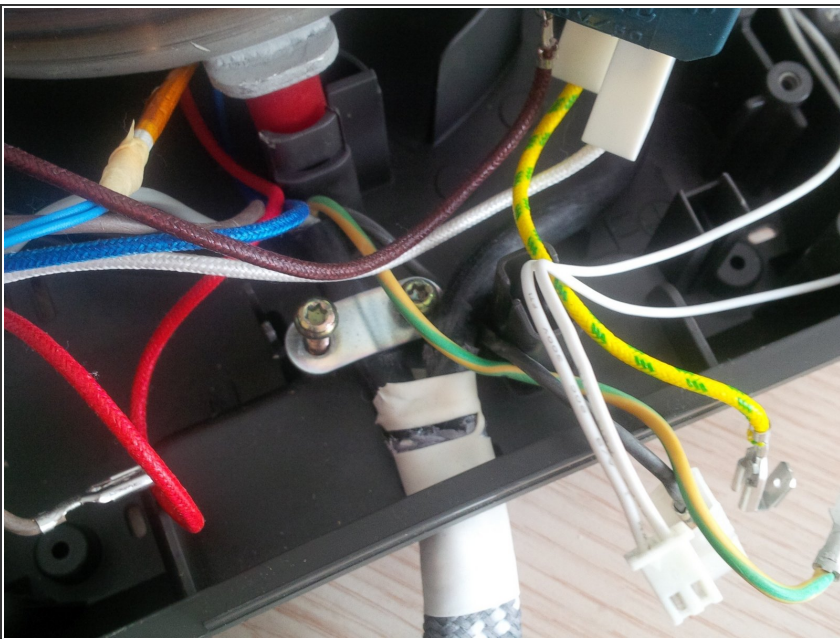
- remove second board (pull), be carefull and attentively. here are a lot of wires. ,again keep in mind where the wires go.
- tip: the colors of the wires are also on the board.

Step 18



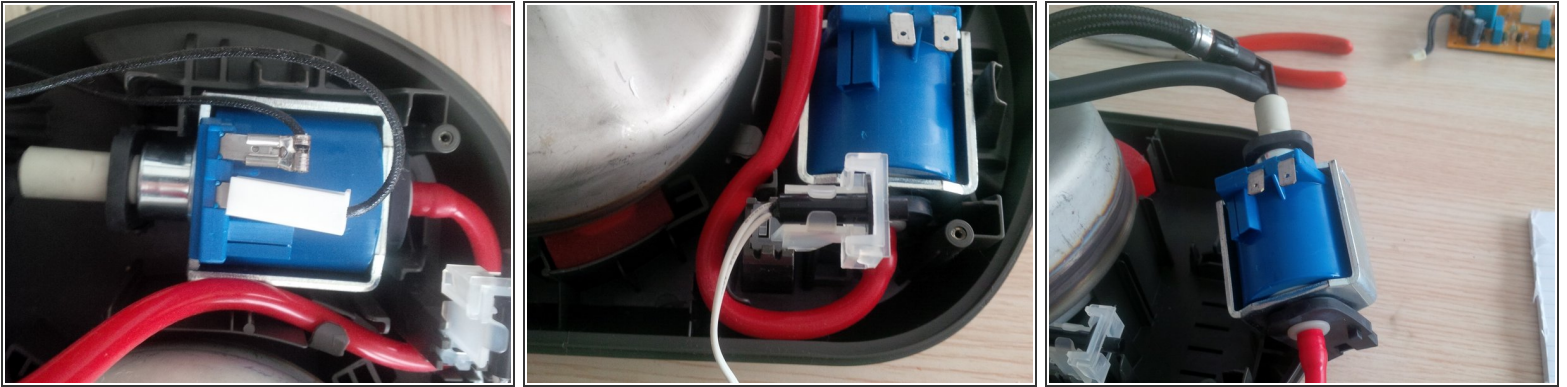
- remove white plastic safety valve. (pull)

Step 19



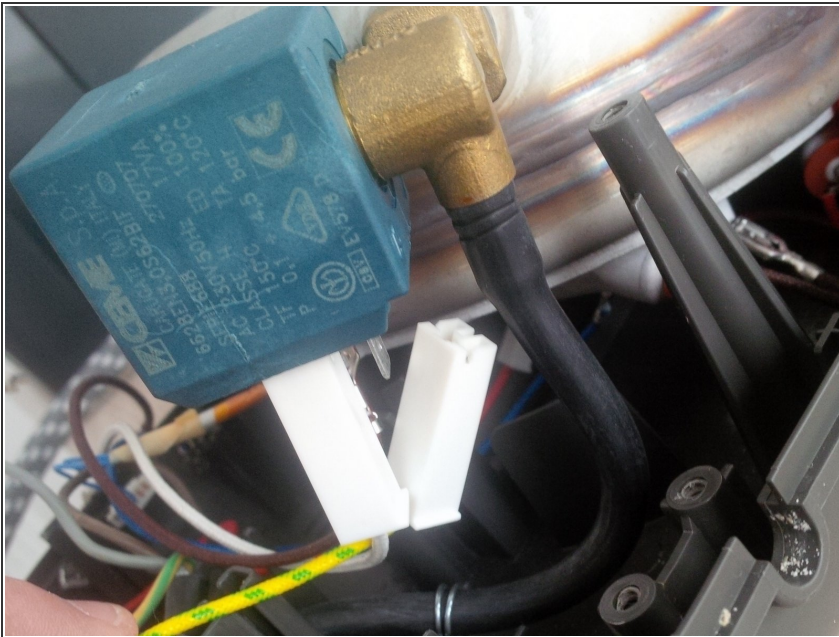
- remove the thick grey and white kabel, that runs from the boiler unit to the iron by removing the two torx screws and the metal plate.

Step 20



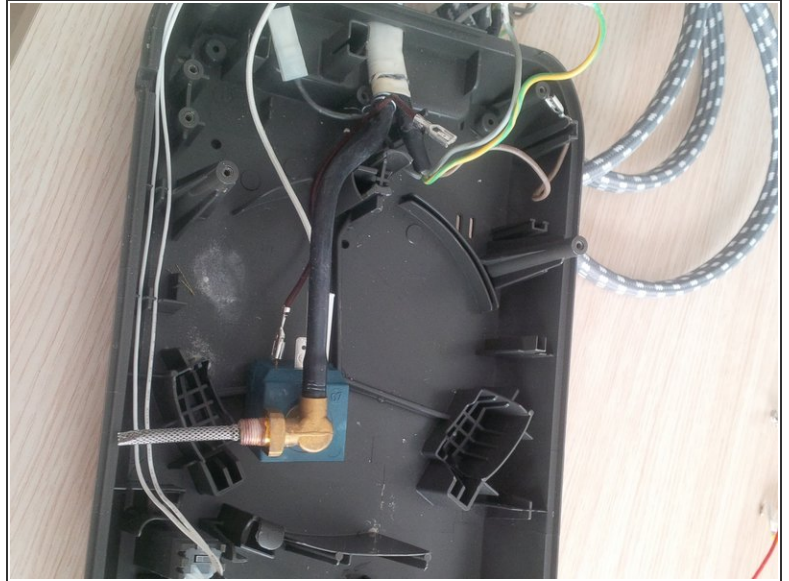
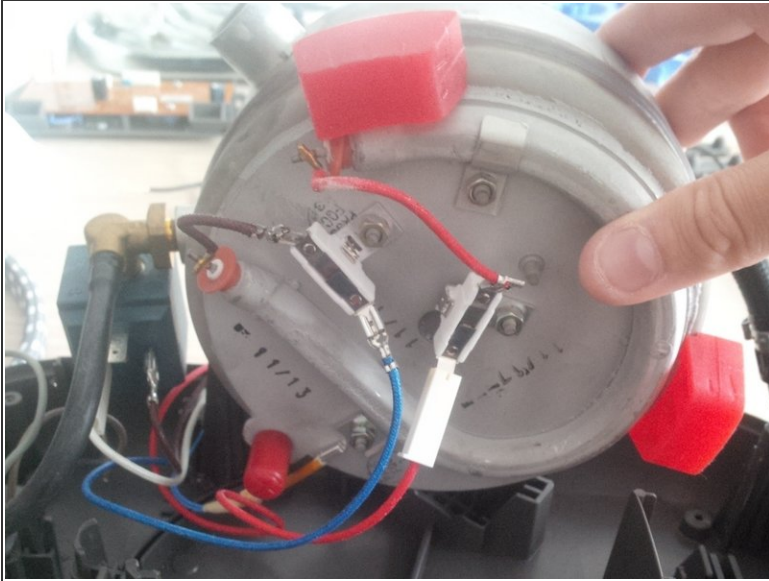
- now we will remove the pump.
- remove the small and the thicker wire. remaind witch one goes where.
- note : if the pump in your iron is broke you should remove the tubes and wires. (see third picture) I didn't do it cause i only opened mine for removing calc from boiler and iron.

Step 21



- now we will remove the rest of the wires and cables.
- and at the same time we will remove the blue part (steam valve.) Use a wrench.
- tip : be carefull for the black tube.

Step 22



- now , the last part : the boilerunit.(the most expensive part of the hole machine too!! Here in Belgium you will pay arround 115 USD\$ (83 euro)
- be carefull with the last wires. some of them (and also the thick black tube) are realy hard to remove.
- tip: to uncalc the boiler, fill it up to 1/3 with realy hot water and the rest with vinegar. let it rest for an hour or 4.
- tip 2 : if you unlac the boiler , be carefull with some wires, you can't remove them all if you only going to uncalc the machine.