



Philips Pressurised Steam Generator GC8220 Teardown

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

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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)

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 al 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



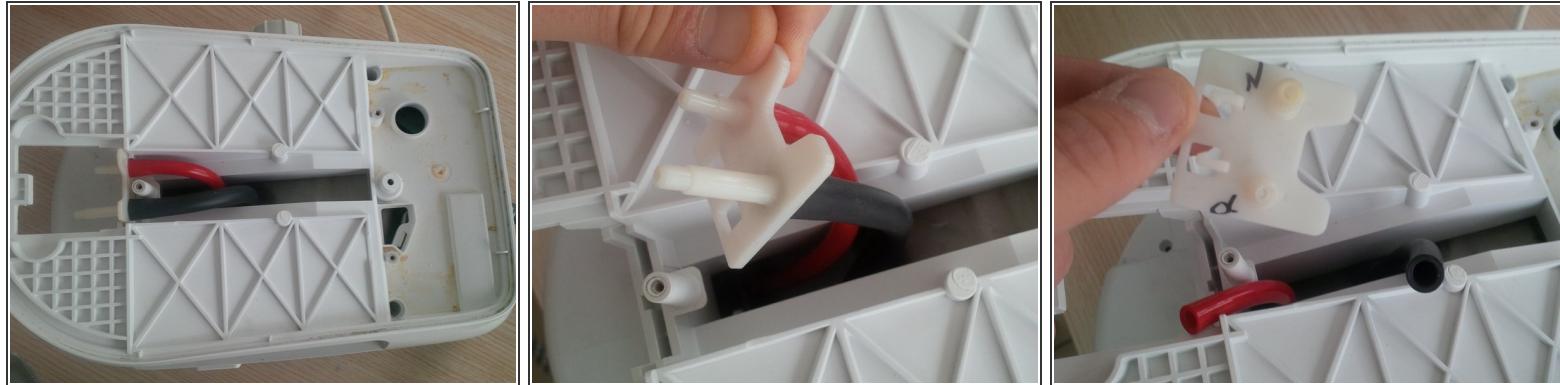
- remove the rubber wire (red/orange color) and the metal pin around it.
- tip : if you heat it up , it come loose easy
- tip : If the iron bottom plate is full of calc , you can put it in a bucket full of hot water with a lot of vinegar. (and i mean a lot!)

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



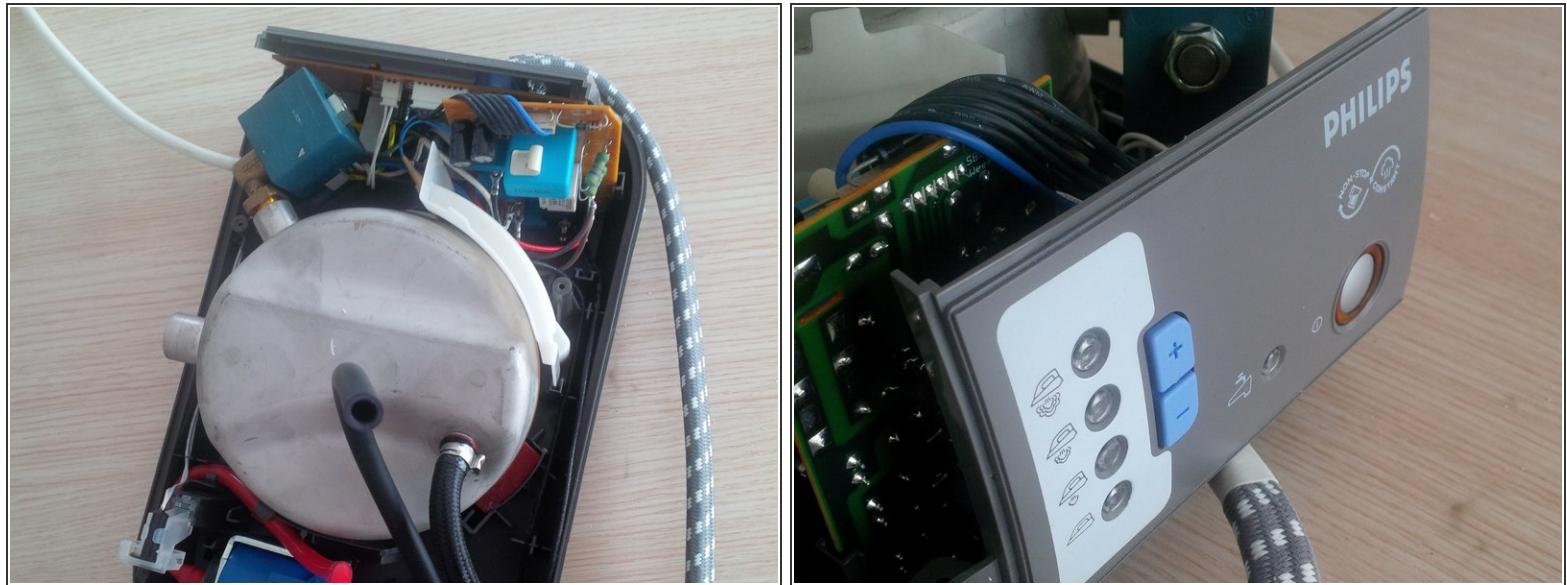
- after removing the metal plate, you see two tubes.
- remove the plastic holder with the two tubes.
- remove the plastic from the tubes.
- tip : remind where the black tube is put in and where the red tube is in.

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



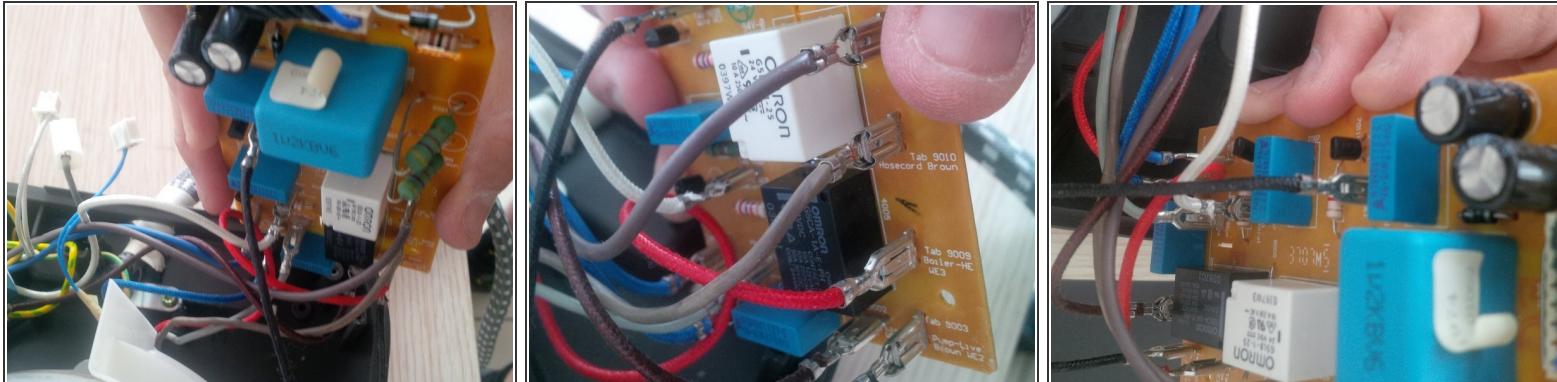
- remove the screws of the control panel.
- pull the control panel out.
- remove the connectors from the board.

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



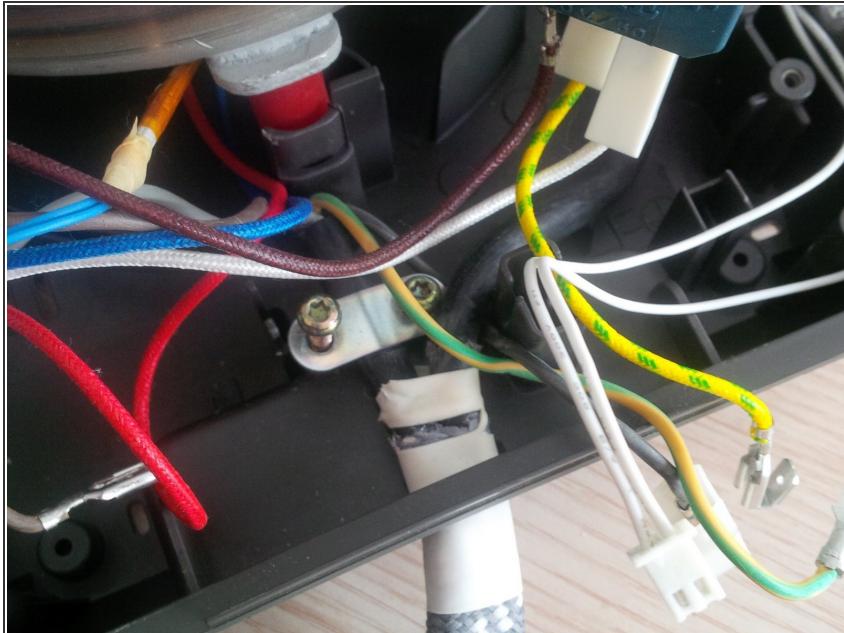
- remove second board (pull), be carefull and attentively. here are a lot of wires. ,again keep in mind where the wires go.
- tip: the colors of the wires are also on the board.

Step 18



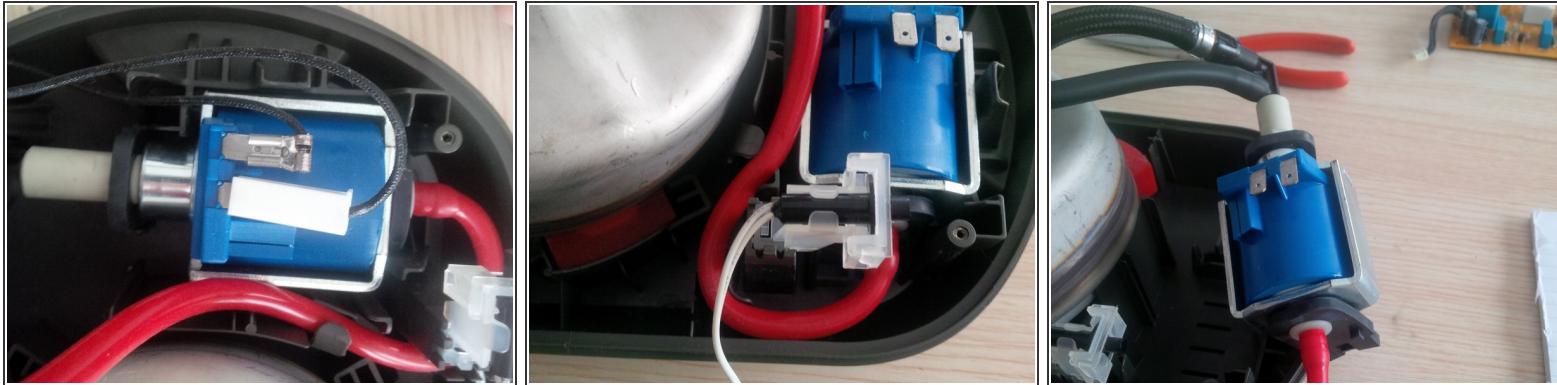
- remove white plastic safety valve.
(pull)

Step 19



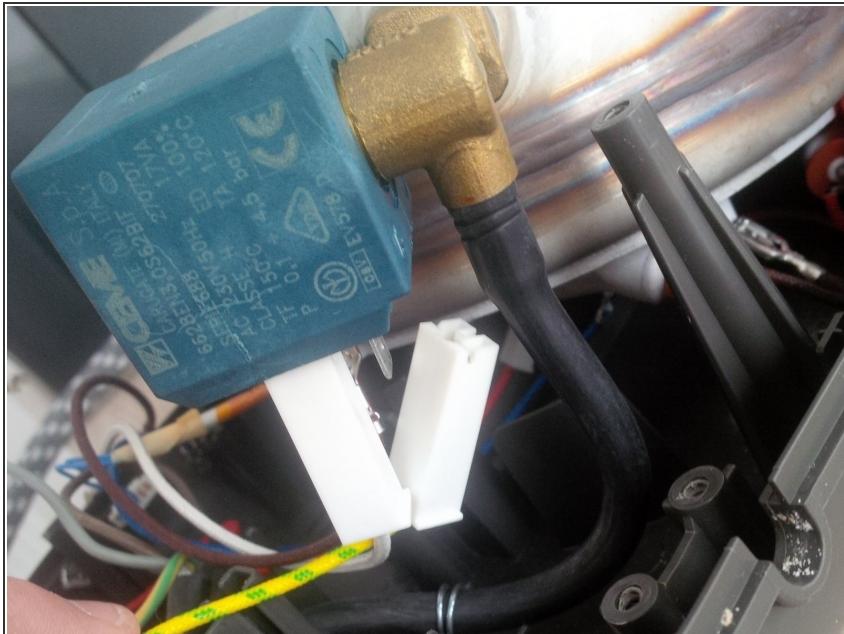
- remove the thick grey and white kabel, that runs from the boiler unit to the iron by removing the two torx screws and the metal plate.

Step 20



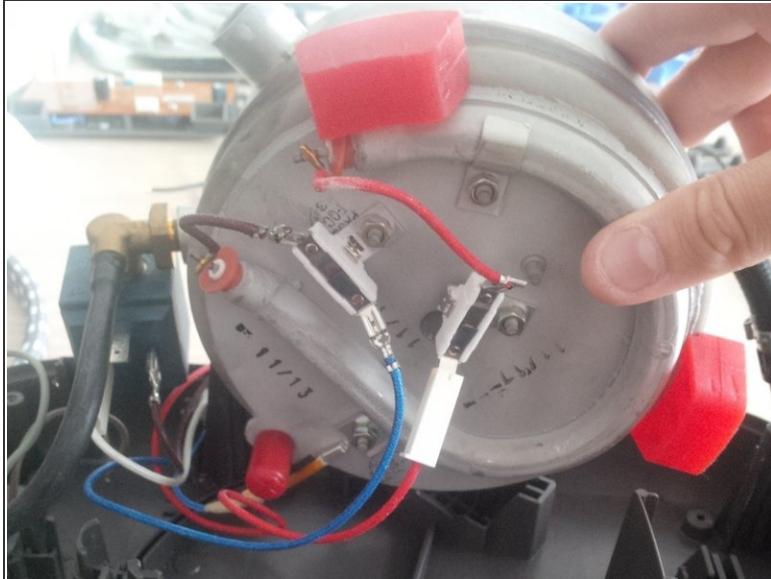
- now we will remove the pump.
- remove the small and the thicker wire. remaind witch one goes where.
- note : if the pump in your iron is broke you should remove the tubes and wires. (see third picture) I did'nt do it cause i only opened mine for removing calc from boiler and iron.

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 unclac the boiler , be carefull with some wires, you can't remove them all if you only going to uncalc the machine.