



# 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.

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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)
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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



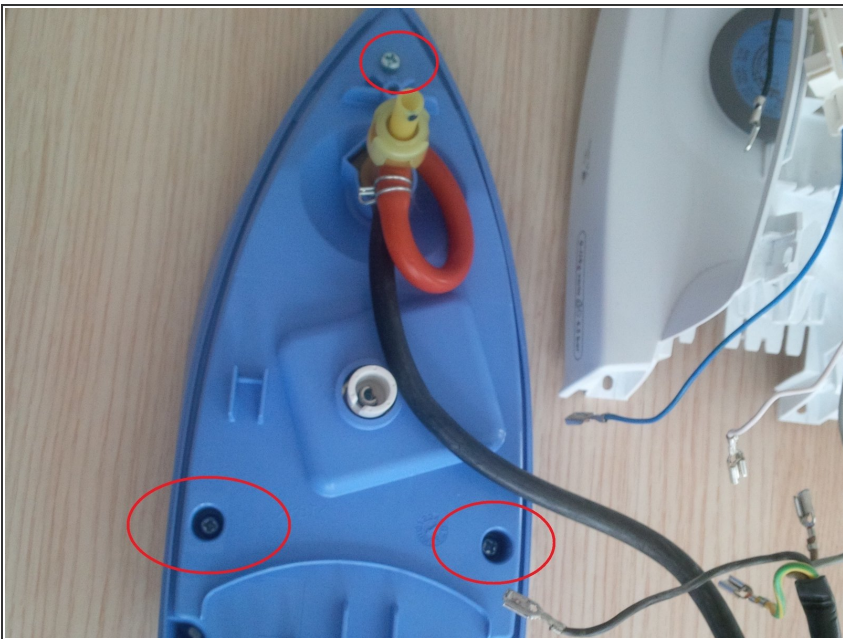
- now remove the upper blue plastic from the iron itself.
- click the wires loose. ( you can click it loose at the metal part of the wire,there is a little metal clip you have to push and then pull the wire out.)
- if you put it together again , notice that the steam button is in his place.
- note: again,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

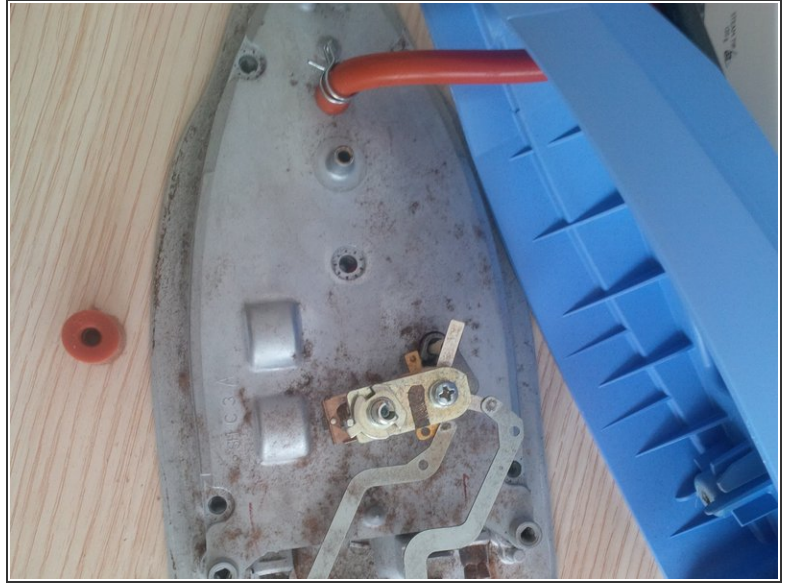


## Step 8



- remove the blue bottom plate and the cables

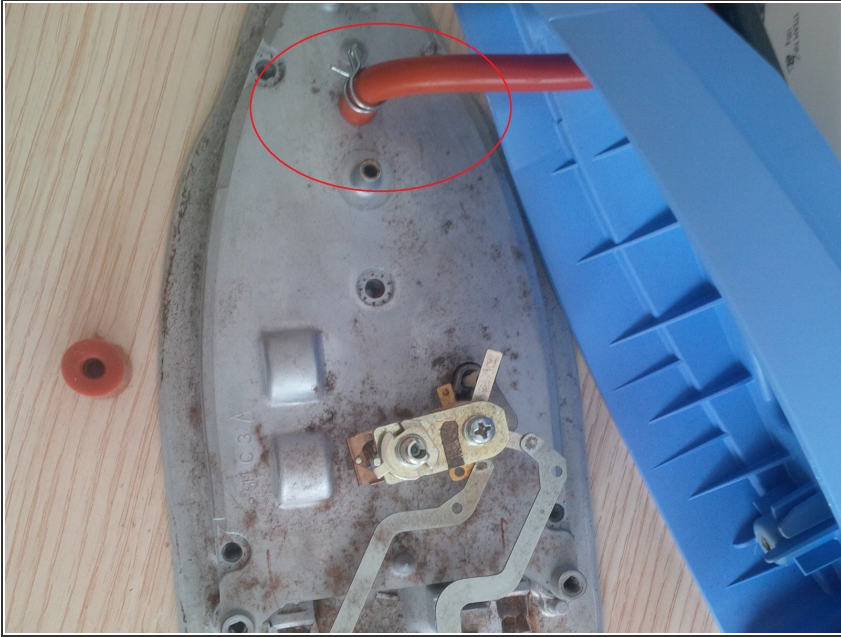
## Step 9



- 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



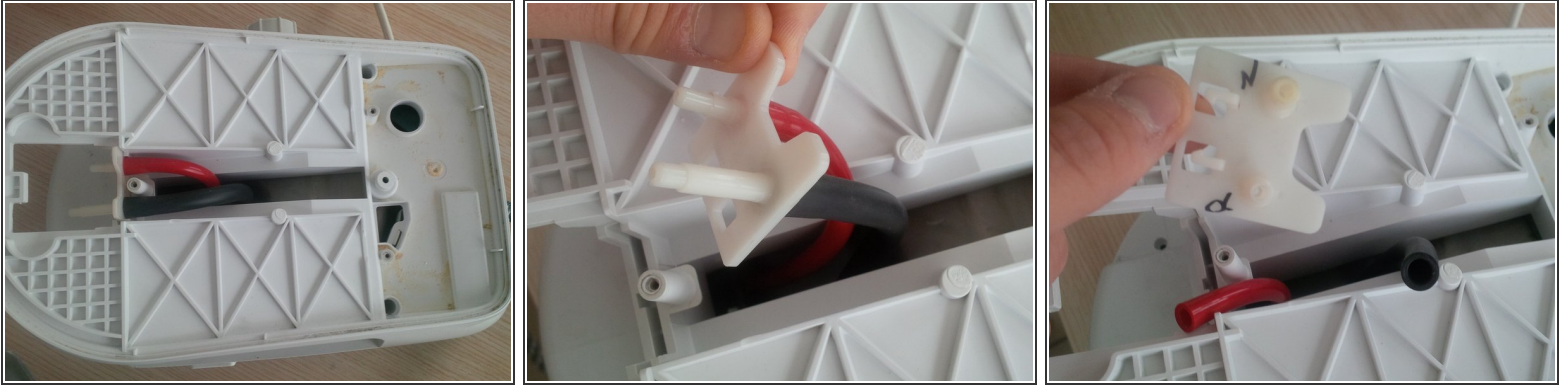
- remove the rubber wire (red/orange color) and the metal pin around it.
- tip : if you heat it up , it come loose easy
- tip : If the iron bottom plate is full of calc , you can put it in a bucket full of hot water with a lot of vinegar. (and i mean a lot!)

## 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

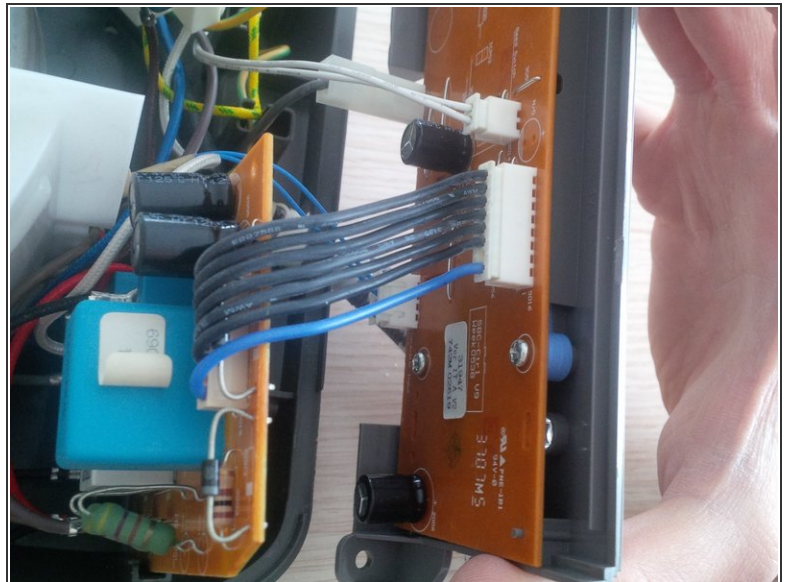
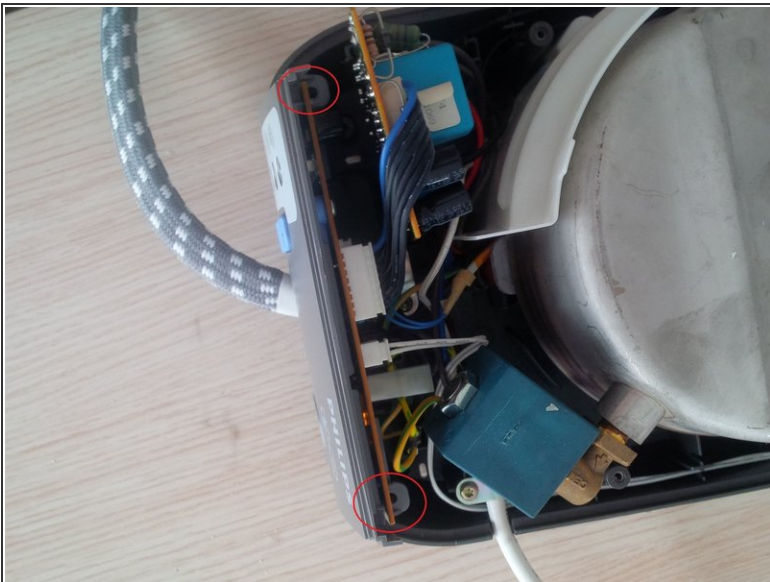


## Step 14



- 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.

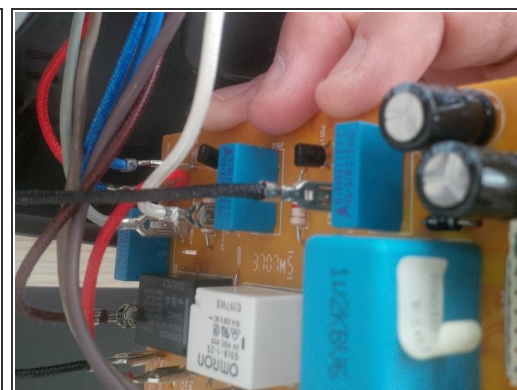
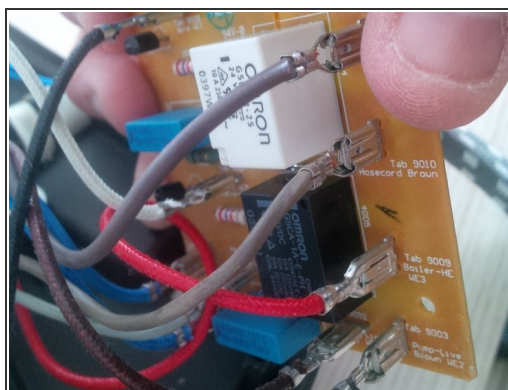
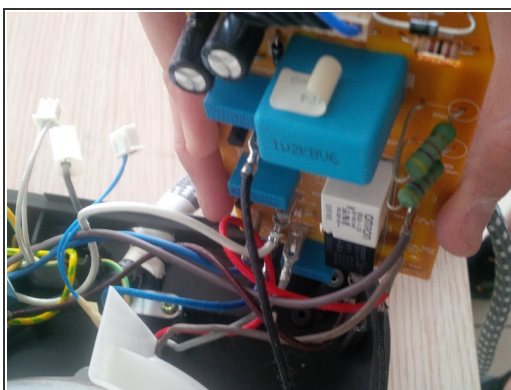


## Step 16



- 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



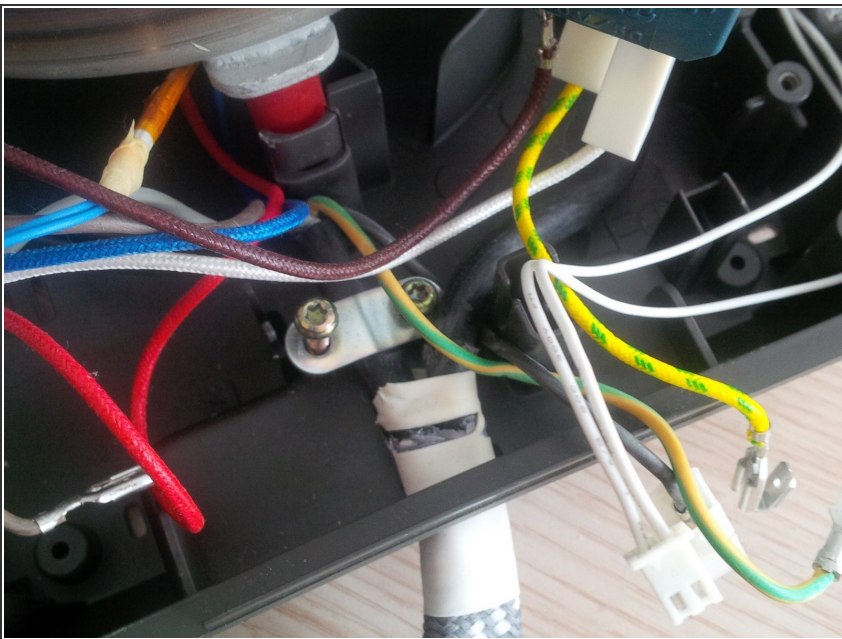
- remove second board ( pull), be carefull and attentively. here are a lot of wires. ,again keep in mind where the wires go.
- tip: the colors of the wires are also on the board.

## Step 18



- remove white plastic safety valve. (pull)

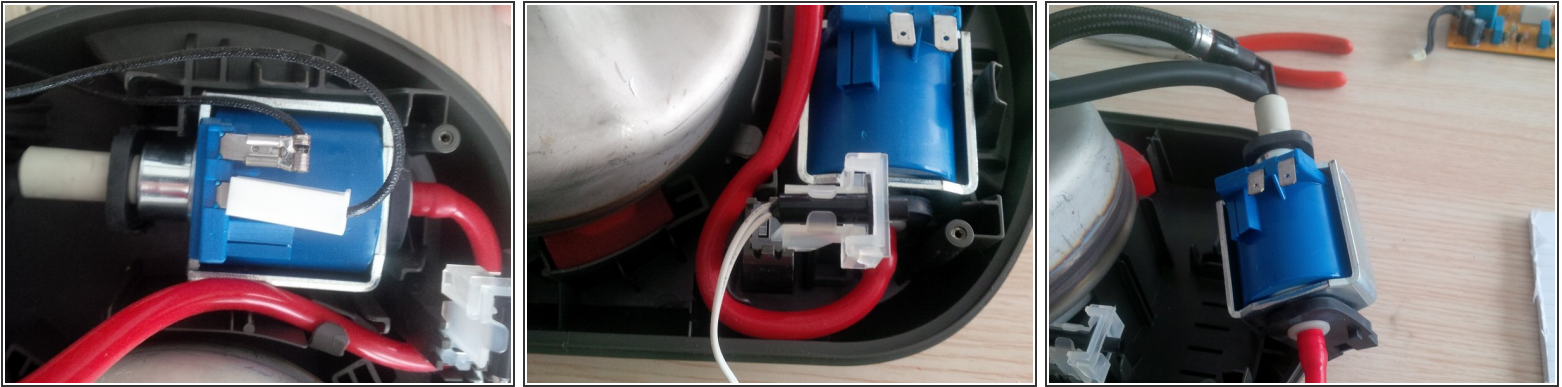
## Step 19



- 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.

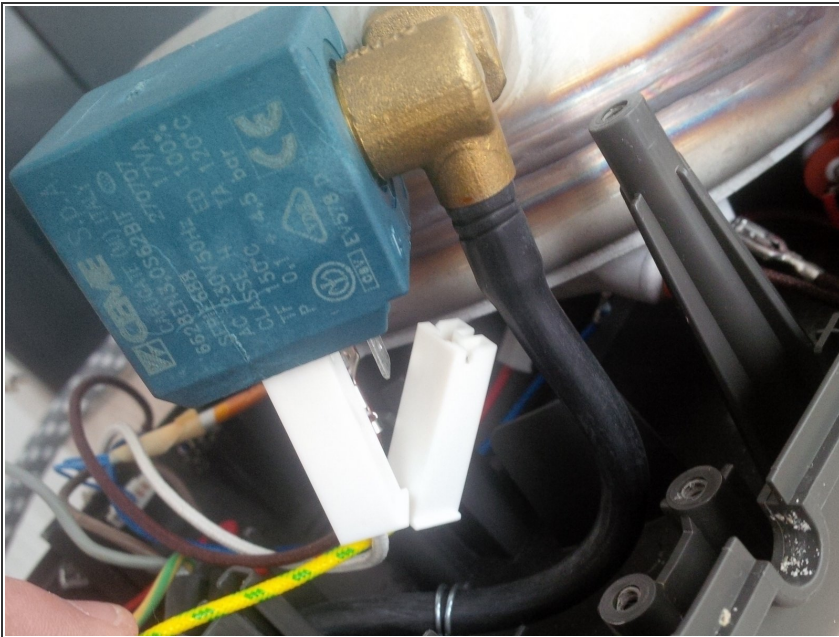


## Step 20



- 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.

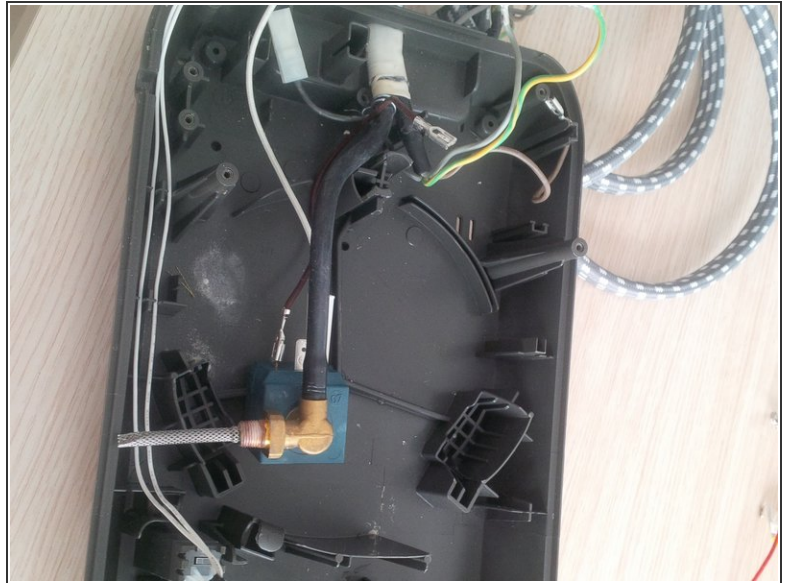
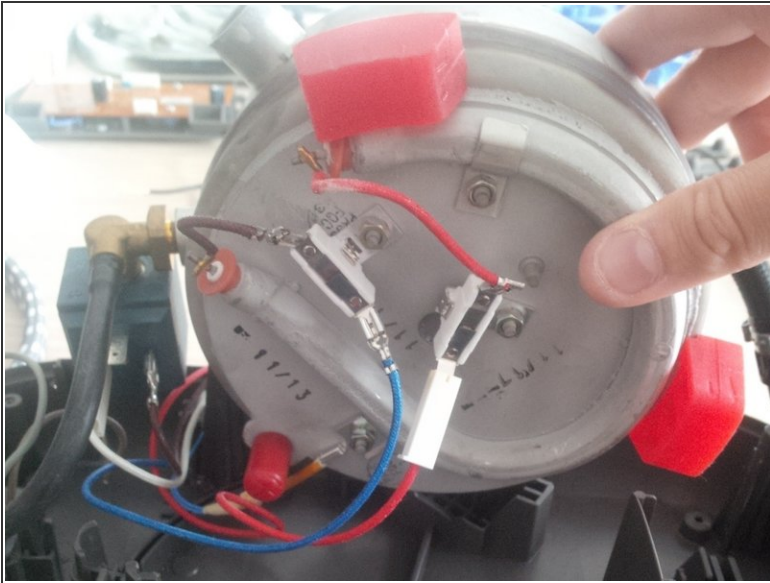
## Step 21



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