



Bosch Avantixx 7 Washer Dryer / Washing Machine Heating Element Replacement

This is a manual on how to change the heating element of a Bosch Avantixx 7 Washer Dryer (washing machine and dryer in one device).

Written By: Henning



INTRODUCTION

This manual is only for changing the heating element and not for identification of the broken heating element as the problem.

Warning: this device contains capacitors containing a high voltage charge . If treaded wrongly you risk an electric shock and severe injuries. Please inform yourself about the risks of dealing with capacitors before starting the repair (for example [here](#)).



TOOLS:

- [10mm Socket](#) (1)
- [T5 Torx Screwdriver](#) (1)
- [Flathead 3/32" or 2.5 mm Screwdriver](#) (1)



PARTS:

- [New Item](#) (1)
any suitable 2000 Watt heating element

Step 1 — Preparation



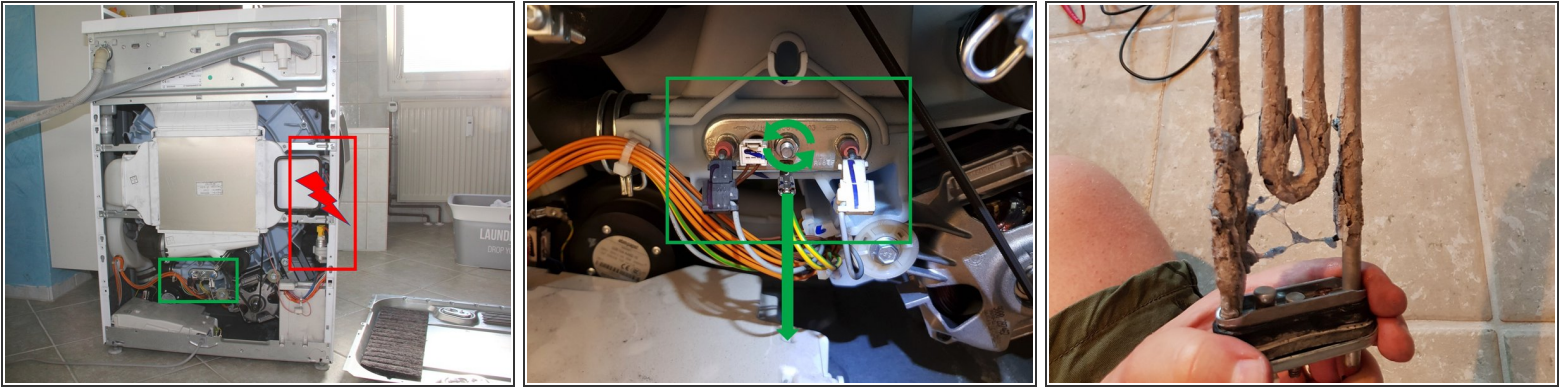
- Make sure the machine is **unplugged**
- **The machine must not contain any water.** Water would run into the body if the heating element is removed and can potentially destroy the machine entirely.
- Let the machine sit unplugged for a while to allow the capacitors to discharge. **Warning:** this is not an entirely reliable method to discharge the capacitors. They still can contain a significant charge.

Step 2 — Open the machine



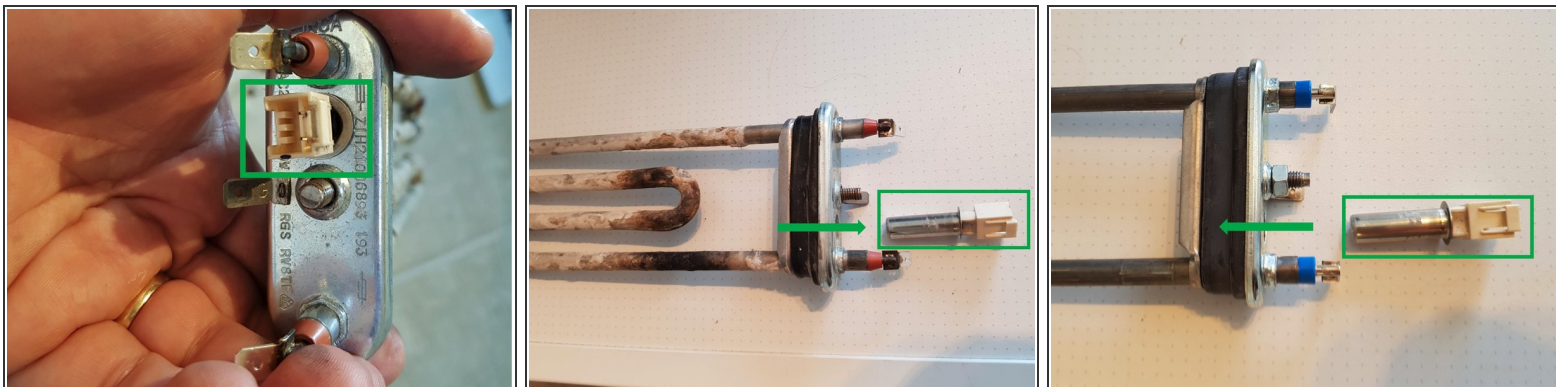
- Open the screws marked in green with a T5 Torx
- Remove the cover. **Warning:** the edges are very sharp and you can cut yourself easily. Best thing to do is to wear gloves

Step 3 — Remove the old heating element



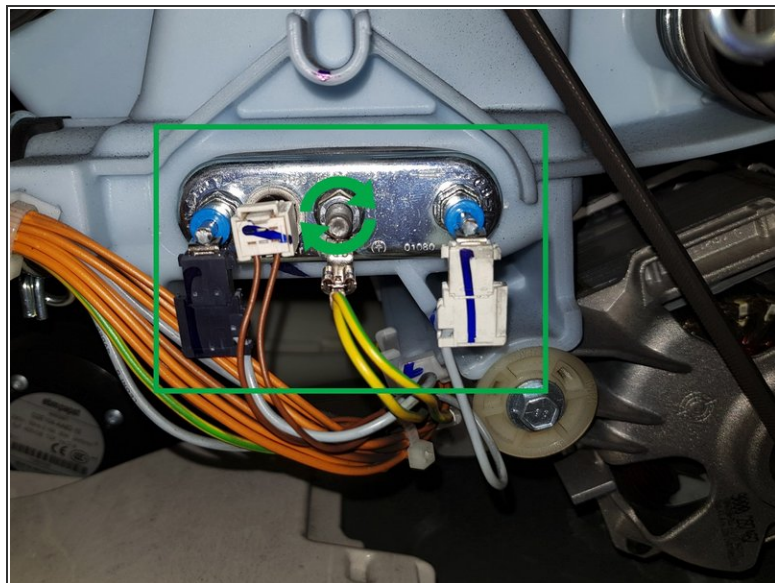
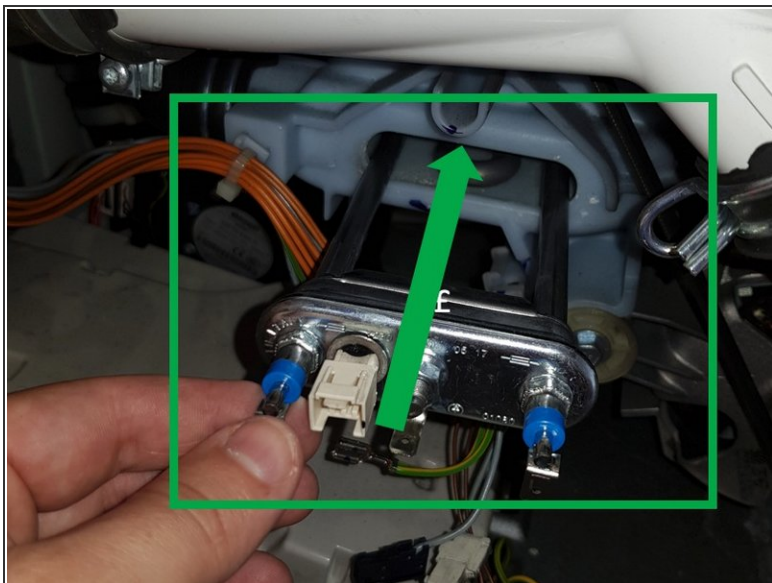
- **Warning:** the area marked in red holds two capacitors. Do not touch anything near this area and avoid touching cables leading from and to this area.
- The heating element sits within the area marked in green
- Best thing to do is to take a picture of the heating element wiring, so you can wire the new heating element exactly the same.
- Remove all cables leading to the heating element
- Open the nut with the 10mm socket (this loosens the heating element seal)
- Now you can pull out the heating element carefully. If it is jammed you can use a flat-head screwdriver to loosen it

Step 4 — Prepare the new heating element



- The old heating element contains a **temperature sensor**. This sensor can be (carefully) pushed out and be reused with the new heating element
- Push out the temperature sensor. **Warning:** do not pull on the cable connector, this can destroy the sensor
- Now carefully push the temperature sensor into the hole of the new heating element

Step 5 — Place the new heating element



- Push the prepared heating element into the opening
- Check if the drum can spinn freely and that no grinding noises occur
 - If the drum doesn't spinn freely or there are grinding noises you need to readjust the heating element
- Tighten the nut with the 10mm socket to spread the sealing
- Use the previously taken picture to wire up the replaced heating element

Step 6 — Result check



- Fill some water into the drum and check if any water runs through the sealing of the heating element
- Close the machine body (see step two)
- Plug the machine back in and start a washing cycle
- Unplug the machine after the washing cycle
- Now re-open the machine and check for any leakage on the new heating element
- If everything is dry, the machine can be closed again and the repair was successful.

That's it. Happy washing! :)