



Philips Consumer Lifestyle

# Service Manual

## PRODUCT INFORMATION

Type number: SCF870/20

### Device description:

Preparation of healthy food for children up to an age of 24 months at home. Steam and blend fruits, vegetables, pasta, meat and fish without transfer.

### Features

- Steam and blend without transfer
- Quick steam time: Perceived as fast as the best competitor
- 600 ml minimum food capacity
- Auto switch off after steaming with a clear indicator
- Easy to clean with detachable knife interface (dishwasher safe)

The Wasabi is a kitchen device for fast and easy preparation of healthy home made food for babies and weaners.

The parents steams fresh foods, add additional ingredients and blend them together to a mash within the same jar.

The appliance is intended for:

- Dry use.
- Home use.

### Safety

- This product meets the requirements regarding interference suppression on radio and TV.
- After the product has been repaired, it should function properly and has to meet the safety requirements as officially laid down at this moment.

## TECHNICAL INFORMATION

- Tool speed: No load : 5800 rpm
- Steam rate : 10 g/min
- Boiler net volume : 200 ml
- Boiler gross volume : 300 ml

### The overall size and weight of the device is:

- Total height : 308 mm
- Total width : 187 mm
- Total depth : 201 mm
- Weight (empty) : < 3 kg

## DISASSEMBLY- AND RE-ASSEMBLY ADVISE

- No specific issues.

## REPAIR INSTRUCTION

- No specific issues.

## OPTIONAL (accessories)

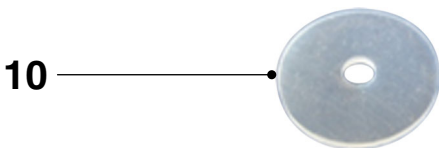
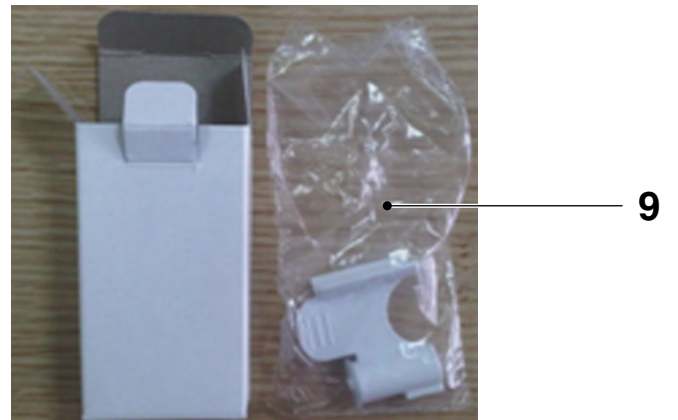
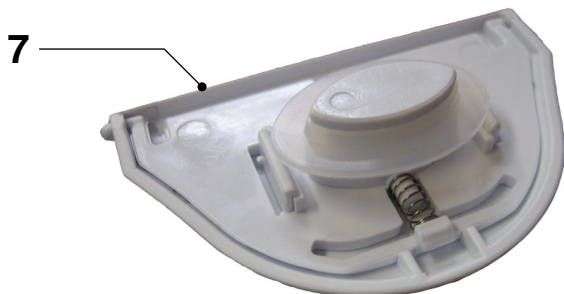
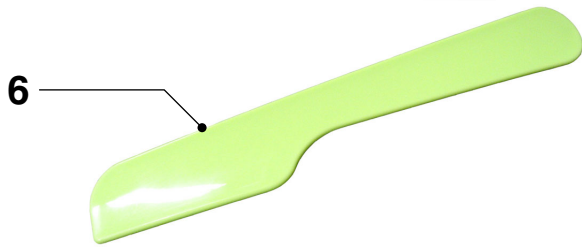
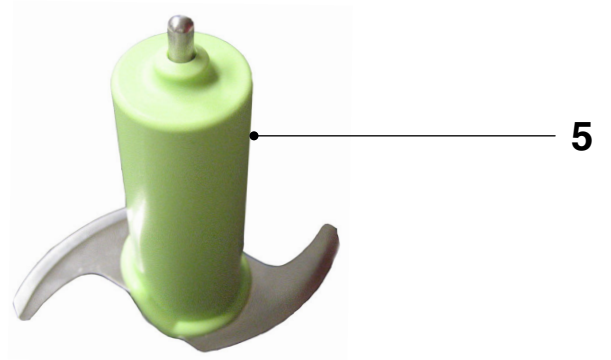
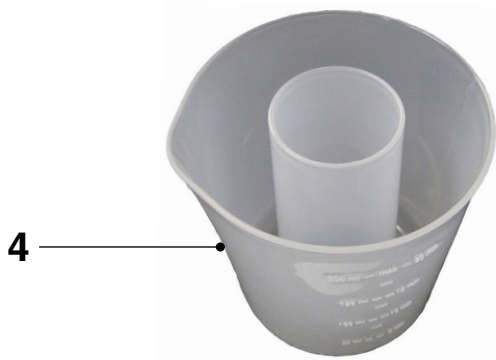
- No specific issues.

Pos	Service code	Description
1	4203 035 94561	Lid
2	4203 035 88920	Steam Mesh
3	4203 035 88930	Transparent Jar (used till prod. Week 1045)
	4203 035 94381	Transparent Jar (used from prod. Week 1046 onwards)
4	4203 035 88940	Measuring cup
5	4203 035 88950	Blade holder
6	4203 035 88960	Spatula
7	4203 035 90650	Lid Assy for watertank
8	4203 035 94891	Valve part (incl. Rubber seal)
9	4203 035 96261	Valve kit APMEA
	4203 035 96271	<b>Valve kit WEu 1 *</b>
	4203 035 96281	<b>Valve kit WEu 2 *</b>
	4203 035 96291	Valve kit EEu
	4203 035 96301	Valve kit KR
10	4203 035 98541	Silicon plate
11	4203 035 99221	Switch assy
12	4203 036 01091	Driving shaft

\* Different package and DFU's the valves are technical the same.

**EXPLODED VIEW**

**SCF870/20 /21 /22 /23**





DISASSEMBLY

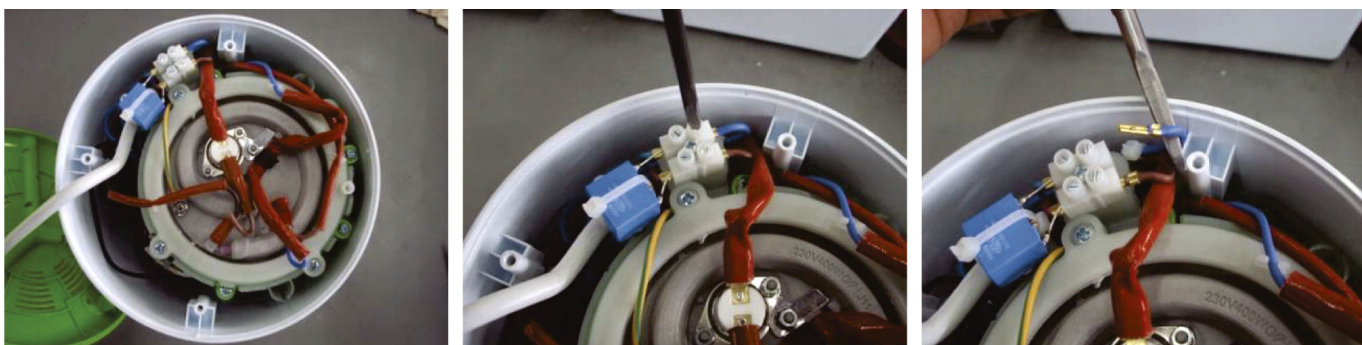
1st operation:

- Detach the water cap by pulling it towards the side and, unscrew 1 piece of 3,5 x 13 special safety screw and 3 pieces of 3,5 x 13 screw.



2nd operation: Detaching the cables from terminal block

- Remove the bottom lid and unscrew the screws of terminal block to remove brown and black cables which are attached to rotary switch.

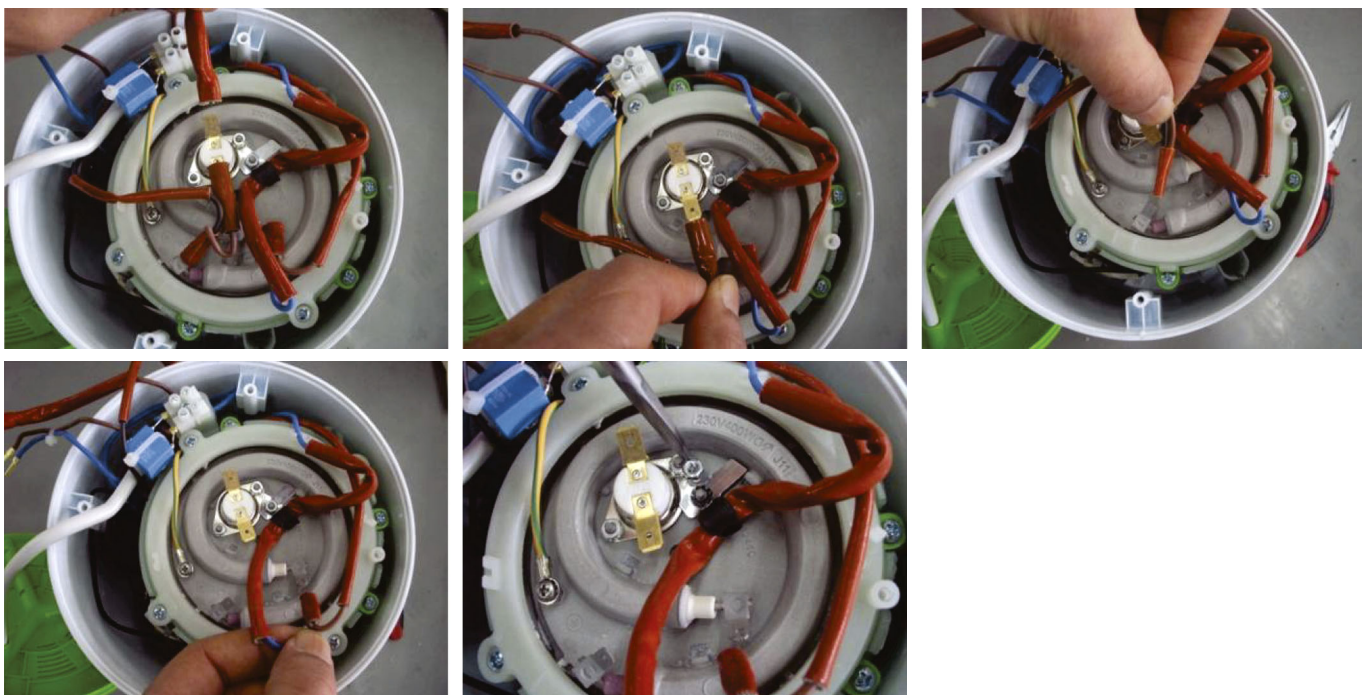


3rd operation: Detaching the internal cables and thermostat cables

- Remove the thermostat cable and other internal cables.
- Pull the female terminals by gripping them at the cable-end side.

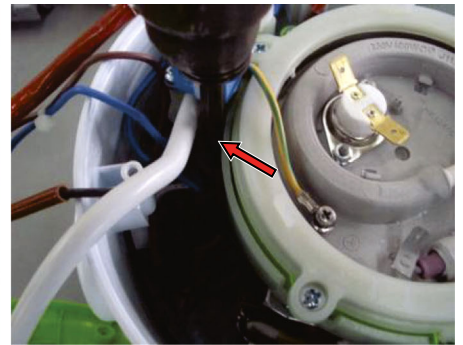
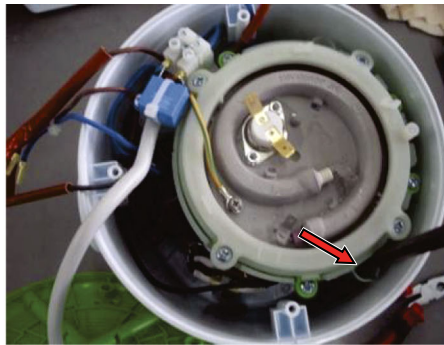
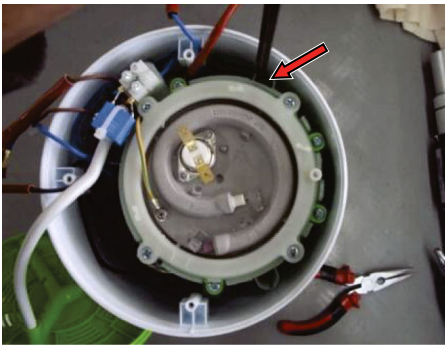
*ATTENTION: Female terminals can be deformed during disassembly and get loose. If these terminals are reused, there will be risk for self detaching, electric arc occurrence, and/or malfunction. Additionally, when the female terminals are gripped over the sleeves, this may damage or rip the sleeves. Heat sleeves should be removed before detaching the terminals.*

- Unscrew the M3 nut to remove the thermofuse holder.



**4th operation: Removing boiler body screws**

- Remove 3 pcs of 3,5 x 13 screws which are shown in below photos.



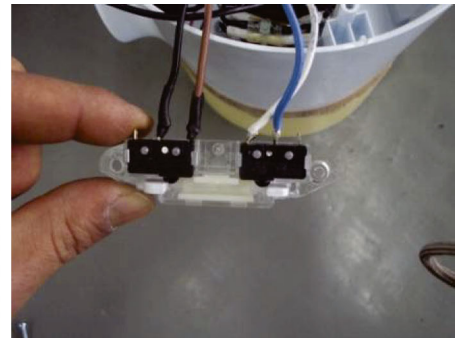
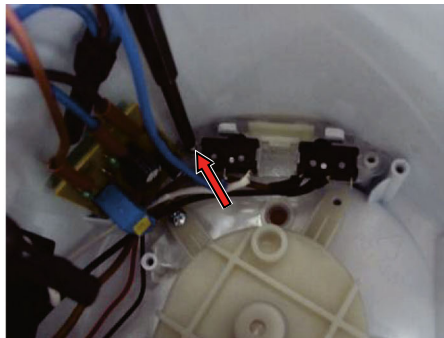
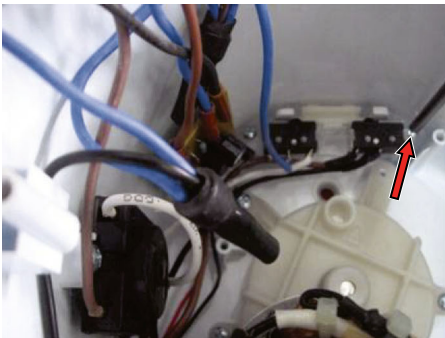
**5th operation:**

- Remove the boiler body.



**6th operation: Detaching the switch group**

- Remove 2 pcs of 2,9 x 16 screws which connects the safety microswitch group to the main body.
- Do not detach any cable, take the safety microswitch group outside the main body.

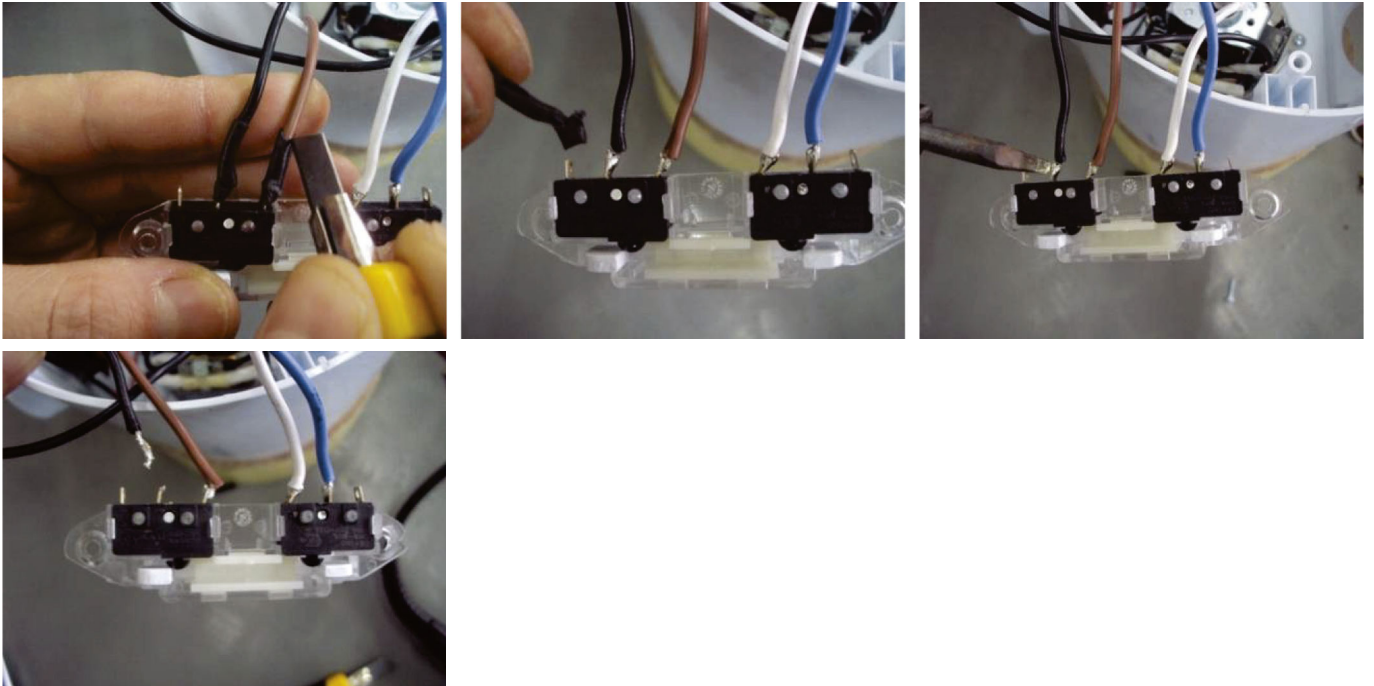




7th operation: Detaching the soldering of microswitch

- Cut the shrinkage sleeves on the microswitch terminals and remove the sleeves.
- Remove the soldering on the terminals by using a soldering iron.

*ATTENTION: If the soldering iron is kept near the microswitch more than 3 seconds, switch may be non functional.*



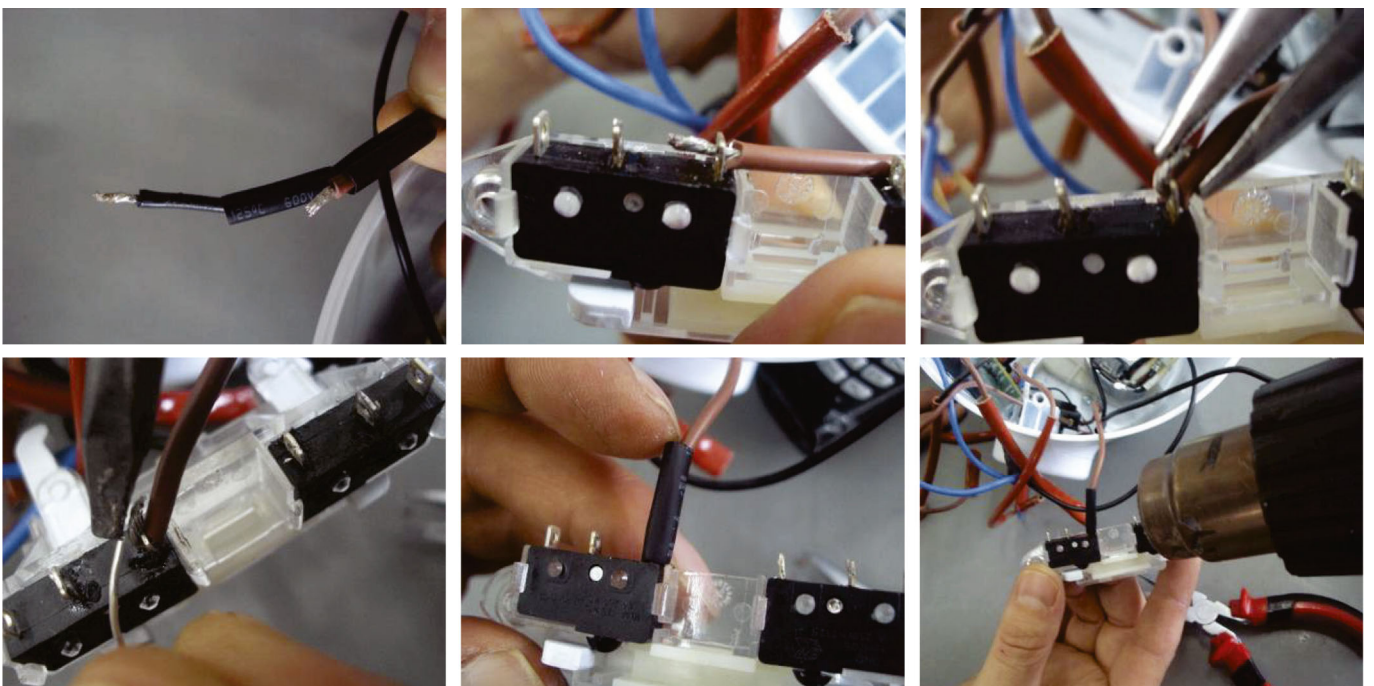
## RE-ASSEMBLY

1st operation: Putting the shrinkage sleeves on the cables and soldering the cables on the microswitch terminals and heating the shrinkage sleeves

- Put the shrinkage sleeves on the cables which are previously detached.
- Insert the cable inside the hole on the microswitch terminal and bend it as shown in the photo below.
- Make the soldering to connect the cable and microswitch terminal.

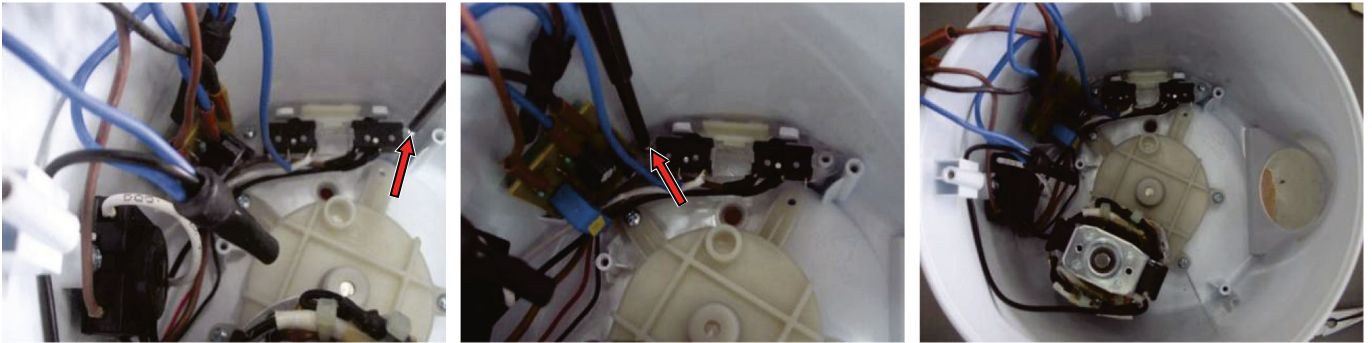
*ATTENTION: If the soldering iron is kept near the microswitch more than 3 seconds, switch may be non functional.*

- After the soldering process is finished, slide the shrinkage sleeve on the soldered area until it touches the switch body.
- Shrink the sleeve by using a heating gun.



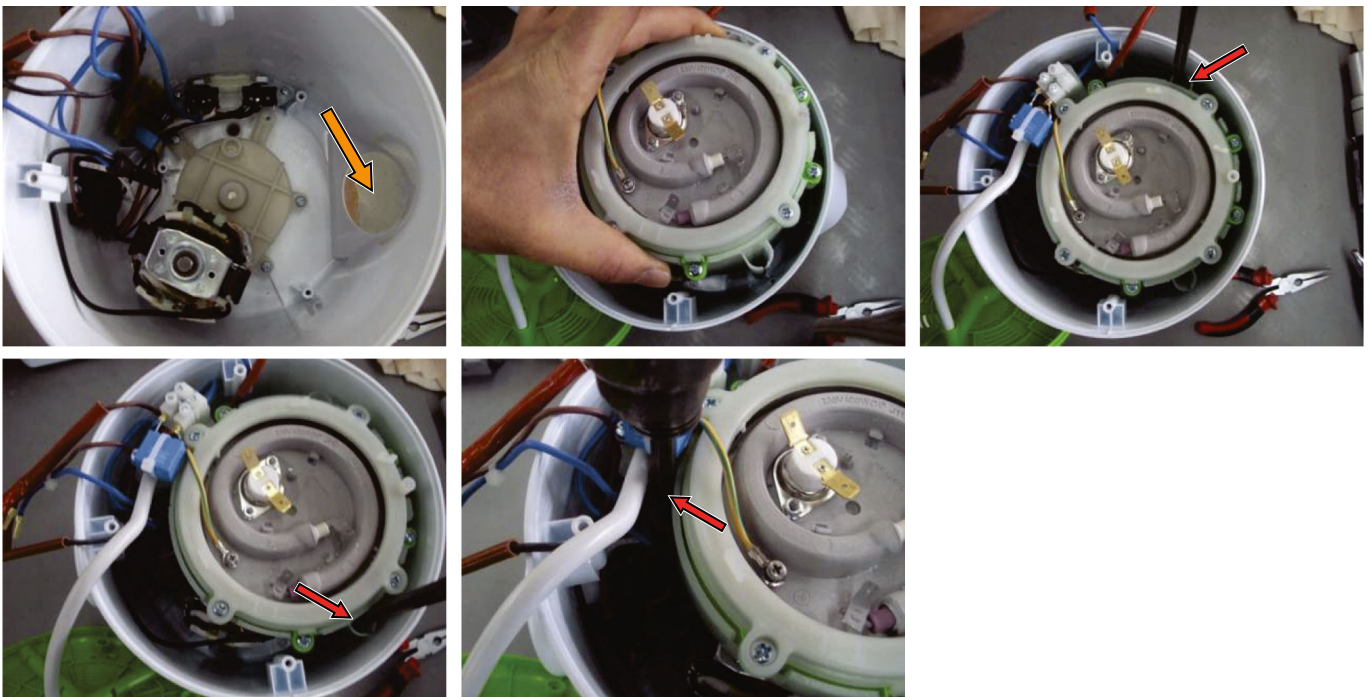
2nd operation Assembly of the switch holder to the body

- Put the switch holder in position and screw 2 pcs of 2,9 x 16 screws with a torque between 0.50 - 0.60 Nm.
- Tidy up the cables as shown in the photos to prevent the cables from damages during boiler body assembly.



3rd operation Boiler body assembly

- Align the boiler body water inlet with the main body water inlet (shown with arrow in the photo below) and position the boiler body.
  - Screw 3 pcs of 3,5 x 13 screws with a torque between 0.72 - 0.84 Nm.
- ATTENTION:** Sealing tests that are completed on the production line are not meaningful (should be repeated) after boiler body is reattached.





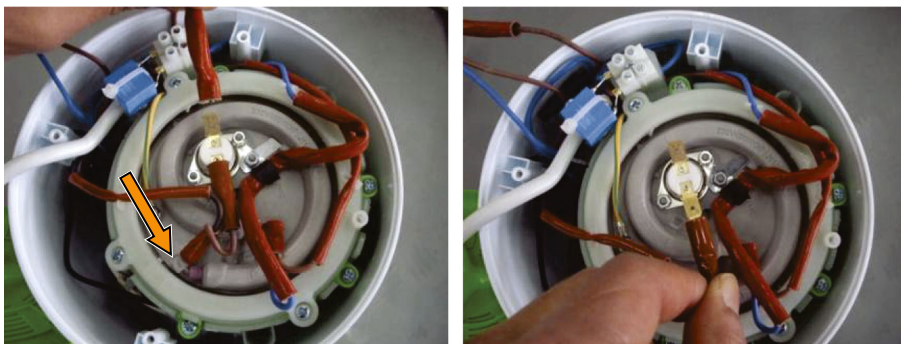
4th operation Melting fuse assembly

- Place the melting fuse under the melting fuse holder. Without moving the melting fuse, tighten the M3 nut of the melting fuse holder with a torque between 0.55 - 0.60 Nm.  
*ATTENTION: The melting fuse body must be exactly under the melting fuse holder, and sleeve should fully cover the melting fuse and its cables. Otherwise the fuse will be non functional.*
- Attach the female terminal at the end of melting fuse cable to the inner side male terminal on the heating plate.
- After attaching the terminal, check the tightness of the connection by pulling the terminal. Terminal must not detach or be loose.  
*ATTENTION: Female terminals can be deformed during disassembly and get loose. If these terminals are reused, there will be risk for self detaching, electric arc occurrence, and/or malfunction. Checking the tightness by pulling is a must for these terminals. Additionally, electrical tests that are completed on the production line are not meaningful (should be repeated) after this connections are reattached.*



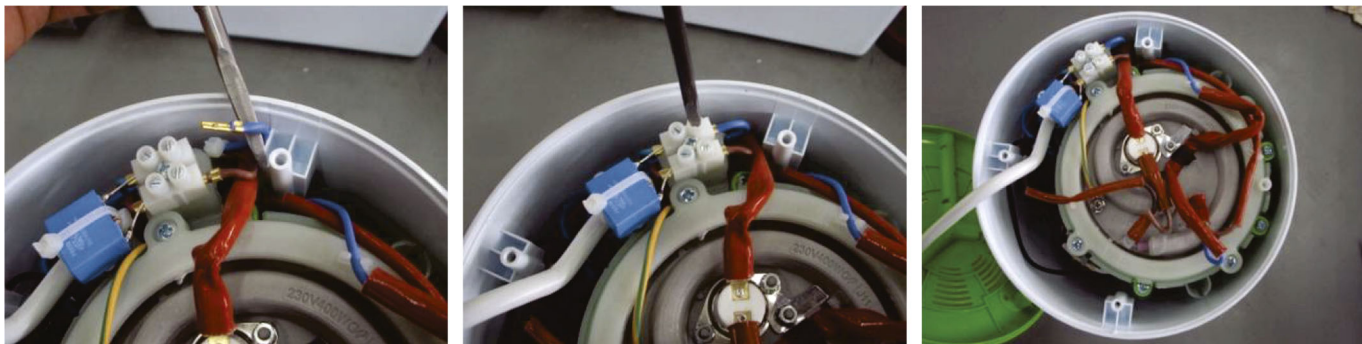
5th operation Attaching the heating plate cable and thermostat cables

- Attach the female terminal on the thermostat connection cable group to the outer terminal on the heating plate.
- Attach the remaining female terminals to the thermostat, and check the tightness by pulling.  
(Place the cables as shown on the photos).



6th operation Attaching the cables to the terminal block.

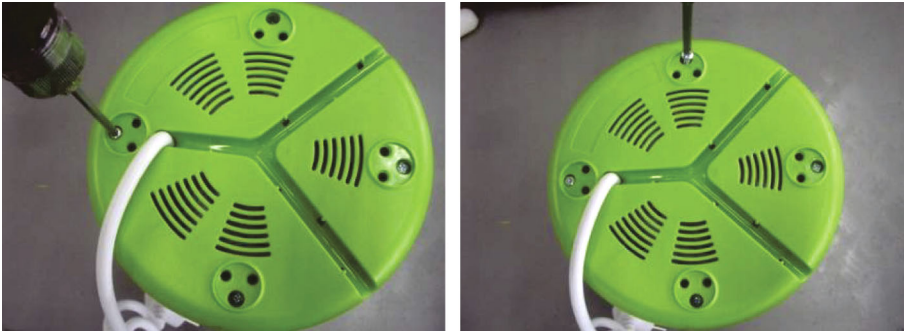
- Place the cables inside the terminal block by matching the cable colors, and screw the tightening screws with a torque between 0.30 - 0.37 Nm.
- Check the tightness by pulling the cables out, cables must not be detached.





**7th operation Closing the bottom lid**

- Pull the power cord outwards to pull out the extra cable inside the block.
- Align the feeder on the lid with the cavity on the body and place the bottom lid in position.
- Tighten 1 piece of 3,5 x 13 special safety screw, as well as 3 pcs of 3,5 x1 3 screws with a torque between 0.72 - 0.84 Nm.



**8th operation Place the water cap.**

- Place the water cap by gently pushing its pins into holes on the body.



Check the operation and switches of the device after assembly.