Coffee Maker "Café Gourmet"

HD5410/00

Service
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Philips Consumer Lifestyle

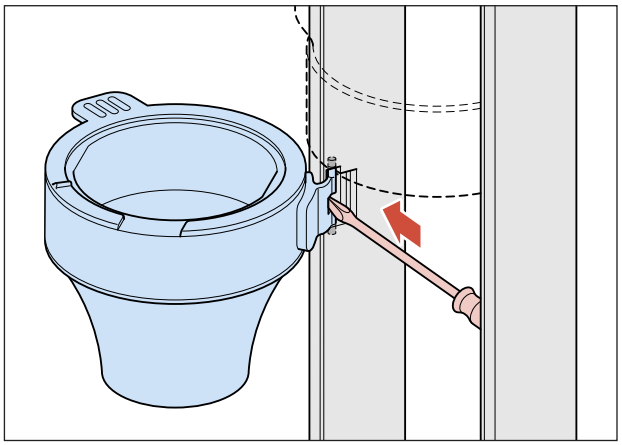
ServiceManual

PRODUCT INFORMATION

- 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

- Voltage : 220 - 240 V
- Frequency : 50 Hz
- Power consumption : 1250 W + 50 W (keep warm element)
- Contents jug : 1000 cc
- Color : Aluminum brushed with Charcoal Grey plastic parts.
- Filter size : 1 x 2
- Thermostat (**T1**) switch-off temp. : 125 ± 5 °C
- Thermostat (**T2**) switch-off temp. : 75 - 15 °C
- Fuse cut-off temp : 172 °C
- SAP coding : HD5410



DISASSEMBLY- AND RE-ASSEMBLY ADVISE

- **To remove the swing filter holder proceed as follows:**
  1. Swing the filter holder open.
  2. Push with a small screwdriver the plastic cam inside, see picture for location.
  3. While the cam is pushed inside gently lift the filter holder up until the lowest pin of the filter holder comes out of the hinge.
  4. Pull downwards the filter holder out of alignment till it comes loose totally.

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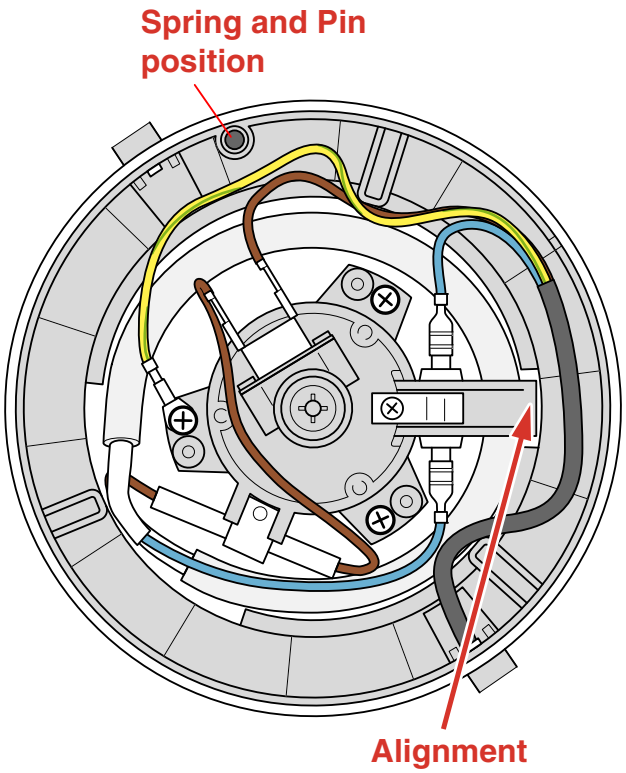
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PHILIPS

- **Assembling tank and heater assy.**

1. Clean the rubber sealing ring and glass tank and place the sealing ring on the glass tank.
2. Place the valve -heating assy and glass tank with rubber ring onto the housing construction of the Coffeemaker.
3. Mind the position of the glass tank so that the printing on the glass tank is in line with the PHILIPS printing on the aluminum housing part.
4. Also important is that the heater assy has been aligned exactly like the picture.
5. Connect the wires to the right positions and make sure the routing is the same as the picture shows. (Make sure the wires coming out from the bar do not touch the heating element surface to prevent the risk that the wires will melt, which can result in a dangerous situation! Also make sure the wires are not lead between screw bosses and U shaped ribs!)
6. Place the spring and pin (filter click function) see picture for position.
7. Place the tank base assy (only one position possible) and tighten the three screws alternately to make sure the construction will be fixed properly.
8. Don't forget to place the rubber seal (position 5 exploded view) back on the tank base.
9. When the construction has been aligned properly the tank cover can be placed easily on top of the appliance.

Important:
Always check the functionality of the valve construction and check if there is no leakage by operating the coffeemaker once or twice with water.
If possible let the coffee maker filled with water in the tank overnight to check if the construction doesn't leak.

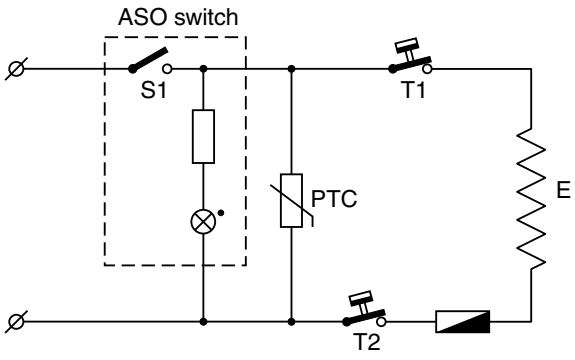


REPAIR INSTRUCTION

Electrical circuit

- When the appliance does not work, check the electrical circuit.
- If the element, thermal fuse, thermostats or valve construction prove defective, the complete heating assy (element, fuse, thermostat, valve construction) has to be replaced.

Warning: It is not allowed to unscrew or screw on the heating assy.
Un-assembly and re-assembly from the heating assy can end into an unsafe appliance!



Working principle

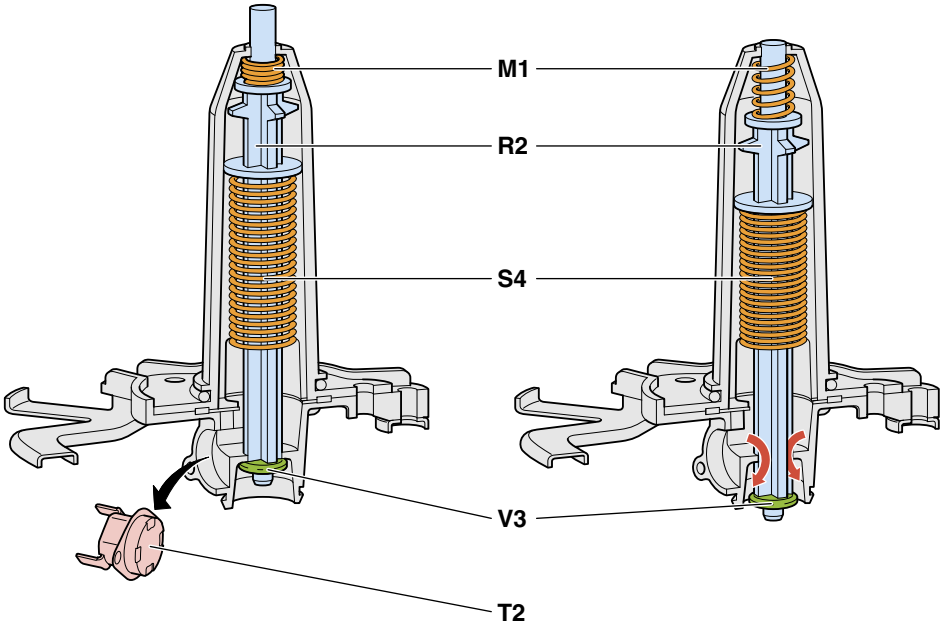
- When the appliance has been switched on, water in the tank starts to heat up. (Thermostat contacts (**T1**) and (**T2**) are closed, see electrical scheme).
- When the boiling point has been reached, the memory spring (**M1**) in the valve construction will expand and pushes the rod (**R2**) downwards.
  The hot water flows along thermostat (**T2**) and rubber valve (**V3**), into the coffee filter.
  Thermostat contact (**T2**) will open when the temperature of 75 °C has reached and switches the heating element off.
  The function of thermostat (**T1**) is only to limit the temperature of the heating element.
- To start the process again, cold water must be poured via the tank cover along the memory spring (**M1**).
  The memory spring (**M1**) will shrink and thermostat contact (**T2**) will close again.
  The spring (**S4**) will push the rod (**R2**) upwards and valve (**V3**) will close the water outlet.

De-scaling

- If the water system is nearly or less clogged by scale then operate the coffeemaker a few times with vinegar or with a 10-15 % solution of either vinegar-acid, citric acid or tartar acid, into cold tap water.
- **Do not use other de-scaling agents** as these may harm the appliance.
- If this procedure does not restore the function, then switch off the coffeemaker when the acid has passed through during approximately. 3 min. Keep the appliance in this condition overnight and continue/repeat the cleaning operation. After the de-scaling procedure, operate the coffeemaker twice with tap water in order to rinse away any residual substances.

OPTIONAL (accessories)

- Commercial trade number : HD7979
  (Jug included lid, Charcoal grey)

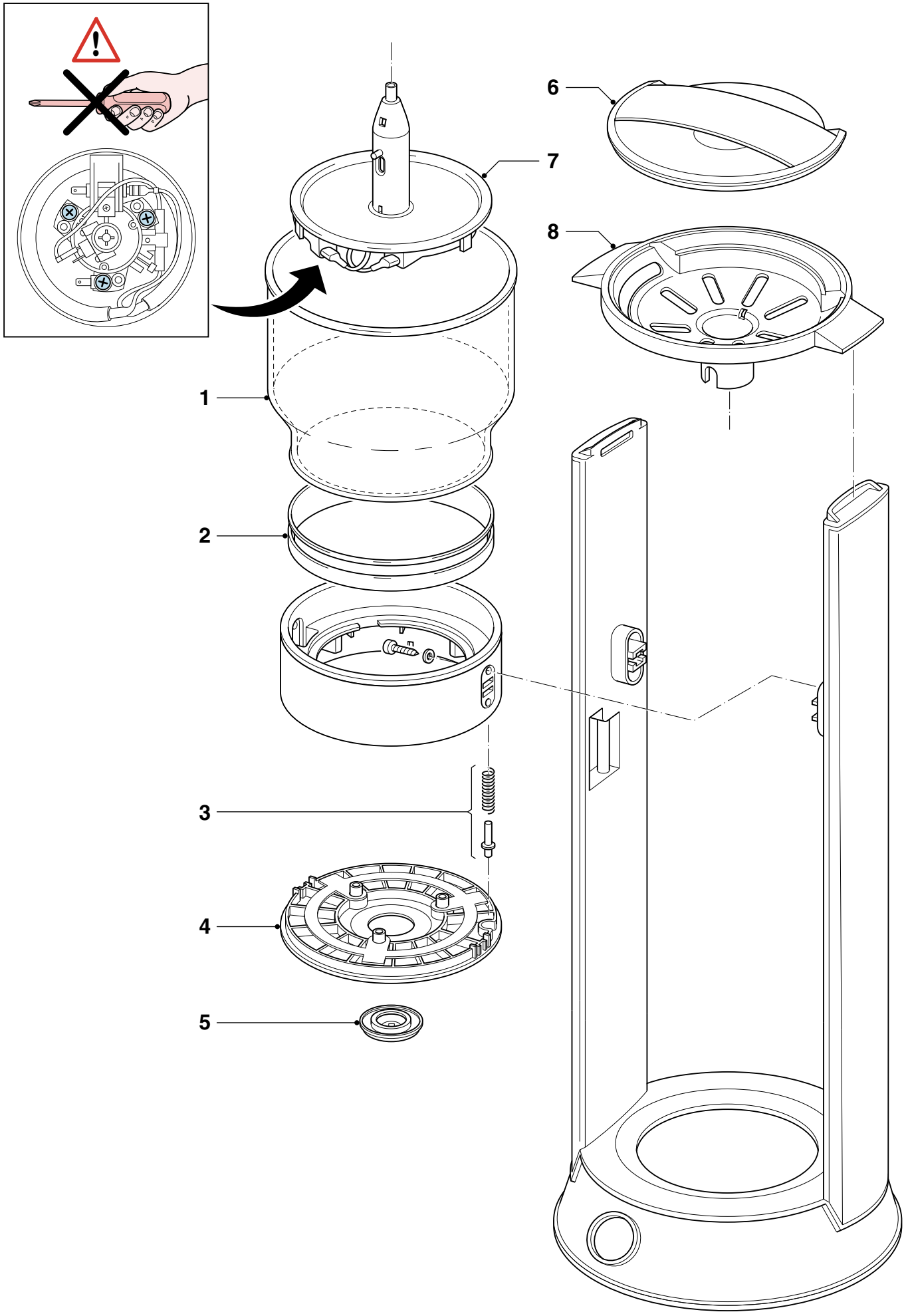


PARTS LIST

Pos	Service code	Description
1	9965 000 32860	Glass tank
2	9965 000 32861	Sealingring Glasstank
3	9965 000 32862	Filter lock assy (spring + pin)
4	9965 000 32863	Tank base assy
5	9965 000 32864	Rubber seal, waterreduction
6	9965 000 32865	Tanklid, ALU
7	9965 000 32866	Heatingelement valve assy
8	9965 000 32867	Tank cover

Pos	Service code	Description
9	4222 247 35400	Coffee spoon
10	9965 000 32868	Filter assy
11	9965 000 32869	ASO switch
12	9965 000 32870	Juglid, charcoal grey
13	9965 000 32871	Glass Jug + Juglid
14	9965 000 32872	PTC element heater
15	9965 000 32873	Base
16	**4222 459 45690**	**Filter holder assy**

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