



**LAVAZZA**  
**BLUE**  
BEST LAVAZZA ULTIMATE ESPRESSO



Maintenance manual  
for technical assistance

**LB GUZZINI**



**LB GUZZINI**

Machine code

**10080690 WHITE 230V**

**10080691 IVORY 230V**

**10080692 RED 230V**

**10080693 ORANGE 230V**

Manual code

**10083088**

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## 1. GENERAL INFORMATION

### Designated personnel

The machine may be operated only by a qualified technician who has read this manual and, moreover who:

- is able to carry out repairs in case of serious malfunction and who has read this manual and all the information relative to safety;
- is able to understand the entire contents of the manual and to correctly interpret the drawings and diagrams;
- has knowledge of the appropriate hygiene, workplace safety, technology and security measures;
- has specific experience in the maintenance of OCS (Office Coffee Service) machines;
- knows how to act in an emergency, where to find the personal protective equipment and knows how to use it.



#### Attention

The use of the machine by personnel without the prerequisites needed is prohibited.

### 1.2. Structure of the manual

The technician must carefully read the information in this manual.

#### 1.2.1. Scope and content

This manual can provide the technician with all the information necessary for the maintenance of the machine.



#### Attention

Before any operation is carried out on the machine, the qualified technician must carefully read the instructions contained in this publication.

If there is any doubt about the correct interpretation of the instructions, contact the manufacturer to obtain the necessary clarification.



#### Attention

The undertaking of any operation on the machine, without having read and understood the contents of this manual is prohibited.

#### 1.2.2. Users

This manual is designed for technicians qualified for the maintenance of the machine.

The manufacturer is not responsible for damage derived from the failure to follow this rule.

#### 1.2.3. Preservation

In order to be able to guarantee the integrity and utility of this manual the following guidelines should be observed:

- employ this manual in such a way that it remains undamaged and whole;
- do not for any reason, remove, tear, or write over any part of the manual;
- keep the manual in an area protected from humidity and heat, in such a way that the quality and legibility of the publication are not compromised



#### Warning

If this manual is damaged or lost, a new copy should be immediately requested from the manufacturer or authorised distributor of the country where the machine is used.

#### 1.2.4. Messages used



#### Attention

The ATTENTION messages indicate a danger, possibly lethal, for the technician. The operations described after this message must be carried out carefully and safely using the personal protective equipment.



#### Warning

The WARNING messages are displayed before procedures that, if not observed, could cause damage to the machine.



#### Environment

The ENVIRONMENT messages are displayed before procedures that, if not observed, could cause damage to the environment.



#### Note

The NOTE messages show further information useful for the maintenance technician.

### 1.2.5. Machine identification data

In the plate the following identification data of the machine are indicated:

- Manufacturer and CE marking;
- model;
- serial number;
- year of manufacture;
- power supply voltage (V) and frequency (Hz);
- power consumption (W).



#### Note

**In case of contact with authorized service centres, indicate the model and serial number.**

### 1.2.6. Technical specifications

Power supply voltage: 230 V

Frequency: 50 Hz

Power installed: 860 W

Weight: 4 kg

### 1.2.7. Overall dimensions

Depth: 300 mm

Width: 190 mm

Height: 330 mm

## 2. GENERAL SAFETY RULES



#### Attention

**Read the entire manual carefully and the following general safety rules.**

- Power connection should be made in compliance with local standards in force.
- The electric socket connecting the machine should:
  - conform to the type of plug installed on the machine;
  - comply with the data provided on the plate placed on the bottom of the apparatus;
  - be connected to ground.
- The electric parts of the machine must not:
  - enter into contact with any type of liquid: danger of electric shock and/or fire;
  - be manipulated by humid or wet hands;
  - be tampered with.
- It is forbidden:
  - To use the machine near flammable substances and/or explosives and/or in an atmosphere with any risk of fire;
  - To use spare parts not advised by the manufacturer;
  - Carry out any type of technical modification not covered in the normal procedures of diagnosis and repair.
- Before carrying out any operation on the machine ensure that the plug is disconnected from the current and that the machine has cooled.
- Maintenance operations on the machine should be carried out by a single person; if a second person must intervene, this person should be advised of the potential hazards relevant to the operation underway.
- In case of fire use carbon dioxide (CO<sub>2</sub>) extinguishers. Do not use water or powder extinguishers.



#### Attention

**During the repair of the machine all the normal safety protections, designed to avoid accidents are disabled. Adopt all the measures necessary to avoid accidents.**

## 2.1. Stop functions

To stop the machine turn the main switch to "0" (OFF).

## 2.2. Safety devices / Residual risks



### Note

The machines described in this publication, are designed in compliance with the specific european standards in force and therefore have measures of protection in all the potentially hazardous parts.

The construction characteristics of the machine, described in this manual, do not protect the user against a direct jet of steam or hot water.



### Attention

Burn danger – During hot water and steam dispensing, do not direct the jets toward others or yourself.



### Warning

Do not use any containers that are not suitable for foodstuffs.

## 3. INSTALLATION

### 3.1. Mounting-Positioning



### Warning

It is prohibited to install the machine outside or in places where water or steam jets are used.



### Warning

The presence of magnetic fields or proximity with electric machines which generate disturbances, may cause malfunctions in the electronic control of the machine.



### Warning

With temperatures approaching 0°C there is the risk of freezing internal parts of the machine which contain water. Do not use the machine under these conditions.

For the correct operation of the machine the following advice is given:

- environmental temperature: 10°C ÷ 25°C;
- maximum humidity: 65%;
- the area must be ready for the installation of the machine;
- the place where the machine is installed should be flat, solid and still; the surface must not have an inclination of more than 2°;
- the area should be sufficiently illuminated, ventilated, hygienic and equipped with a readily available power outlet.



### Attention

Sufficient space must be allowed to access the machine and the plug, to allow the user to move freely and to be able to immediately leave the area in an emergency.



### Note

For a correct ergonomic use of the machine, place it on a working surface not lower than one meter from the floor.



### Warning

Check that the surface prepared for the machine installation, has dimensions and sturdiness suitable to safely support the machine.

### 3.2. Electric connection



#### Attention

The machine must be connected to a 240V electric outlet.



#### Warning

Referring to the rules in force in the country where the machine is used, the power cord, must be pre-disposed with an all-pole switch (with a contact separation of 3 mm. minimum).

The all-pole switch should be suitable with the consumption of the machine and able to intercept all the polarity of the voltage.

Check that the electric cables of the system are proportioned with the absorption of the machine.

## 4. HANDLING AND STORAGE

### 4.1. Handling

During handling and transport, the machine must remain in a vertical position according to the directions on the packaging. Carry out lifting and positioning with care. Do not shake the machine.

### 4.2. Storage

The machine should be stored according to the following conditions:

- minimum temperature: above 4°C;
- maximum temperature: below 40°C;
- maximum humidity: below 95%.

The machine is packaged in cardboard.



#### Warning

Given the total weight of the package, it is prohibited to stack more than three machines. The machine should be stored, in its original packaging, in a dry and clean place.

## 5. DISMANTLING



#### Environment

Disposal of machine components after dismantling, should be carried out with respect for the environment, avoiding pollution of the soil, water and air. Any operation should comply with local legislation in force.

To make the machine unusable, remove the power cord.

Deliver the unserviceable machine to an appropriate collection centre.

### 5.1. Instructions for end of life treatment

This product conforms to the EC Directive 2002/96/EC. The symbol applied on the equipment or on the packaging indicates that, at the end of its life, the machine should not be treated as a generic household waste but should be delivered to an authorised centre for collection of WEEE set up by the Public Administration. Otherwise it could be delivered to the retailer when a new machine is purchased.



The user is responsible for sending the equipment at its end of life to the appropriate collection centres, there is a penalty if current legislation on waste is not followed. Collecting the components of the machine in properly separated fractions will enable recycling, treatment and environmentally friendly disposal and contribute to avoiding possible adverse effects on the environment and on the human health.

For more information regarding available collection systems, contact the local waste disposal service, or the retailer where the equipment has been bought. The manufacturer and/or the importer are responsible for the recycling, treatment and disposal in an environmentally safe manner either individually or by joining a collective scheme.



#### Environment

Disposal of the machine or its components, should be performed in an environmentally sound way and according to the local standards in force.

## 6. PROBLEMS, CAUSES AND SOLUTIONS

Below is a list of possible problems with machine function.

| PROBLEM   | CAUSE   | SOLUTION  |
|---|---|---|
| <b>The machine does not turn on</b>   | No power.<br>Led not functioning.   | 1) Check the electric connection.<br>2) Verify that the switch is on.<br>3) Check that the green led for power on indication is functioning properly.                             |
| <b>Water does not flow</b>  | The priming has not been carried out.<br>Hydraulic circuit obstructed.                                      | 1) Carry out the priming following the instructions.<br>2) Check if there is water in the tank.<br>3) Check if the tank is correctly inserted.<br>4) Check the hydraulic circuit. |
| <b>Steam does not flow</b>  | Steam pipe is clogged.  | 1) Clean with a thin needle the hole of the steam pipe.   |
| <b>Coffee does not flow</b>   | Capsule holder obstructed.<br>Water pressure not sufficient.<br>Hydraulic circuit obstructed.               | 1) Replace the perforator filter.<br>2) Replace the pump.<br>3) Check the electrovalve.   |
| <b>Water leaks</b>  | The tank is not in the correct position.<br>Water pressure not sufficient.<br>Hydraulic circuit obstructed. | 1) Correctly insert the tank.<br>2) Check the hydraulic connections   |
| <b>Coffee is not hot enough</b>   | The cup is not preheated.   | Preheat the cup on the cup heater plate.  |
|   | The machine has not reached the operating temperature.  | Wait until the optimal temperature is reached.  |
| <b>The machine takes too long to heat up, the water flow-rate is reduced.</b> | The machine circuit is clogged with scale.  | Descale the machine.  |



## 7. TOOLS RECOMMENDED FOR MACHINE DISASSEMBLY

The following tools should be used to carry out the machine maintenance.

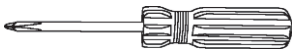
3 mm Allen key



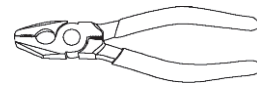
Spanner 10 / 12 / 14 / 15 mm



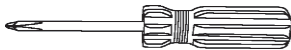
PH1 Philips screwdriver



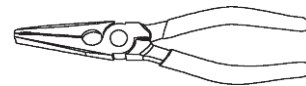
Standard pliers



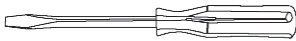
PH2 Philips screwdriver



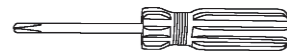
Long nose pliers



Flat type screwdriver 0,8 x 4 x 80

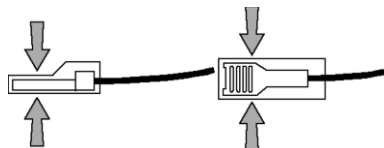


Screwdriver TORX T10



### Warning

All the mechanical cable connections use anti-unthreading safety fastons. If the faston cover is present the plastic should be pressed and pulled outwards, as shown in the figure.



## 8. MACHINE DISASSEMBLY



### Attention

The following operations must be carried out with the machine unplugged and cold.

The following parts should be removed from the machine:

- capsule holder (1);
- drop drawer (2);
- cup support grid (3).



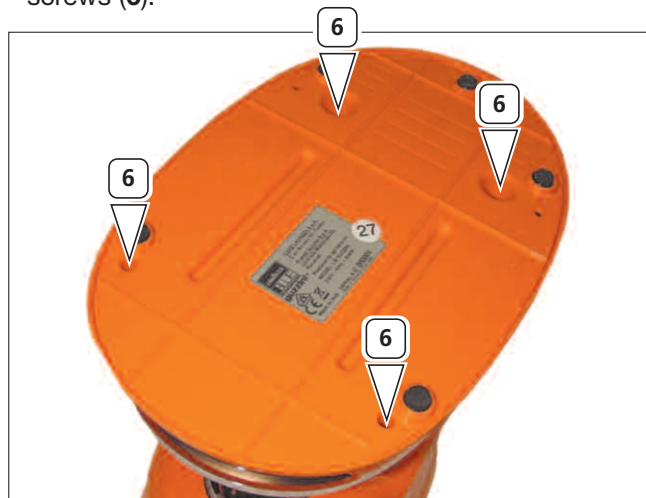
- Remove the upper cover (4).



- Remove the tank (5).



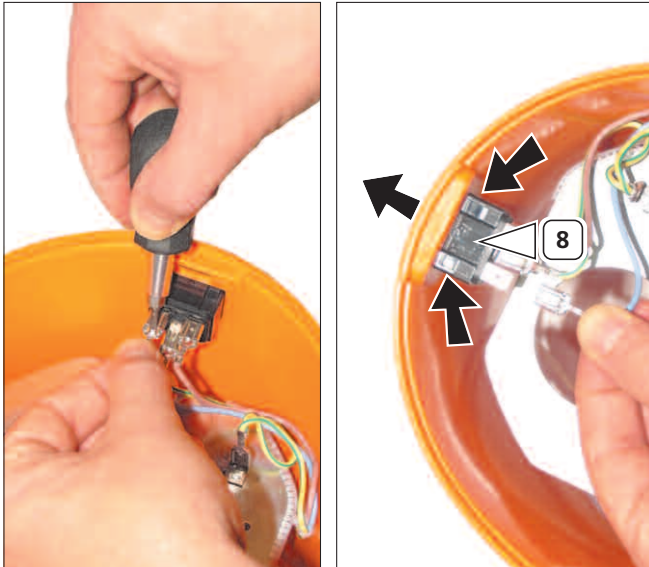
- Turn the machine upside down and unscrew the four screws (6).



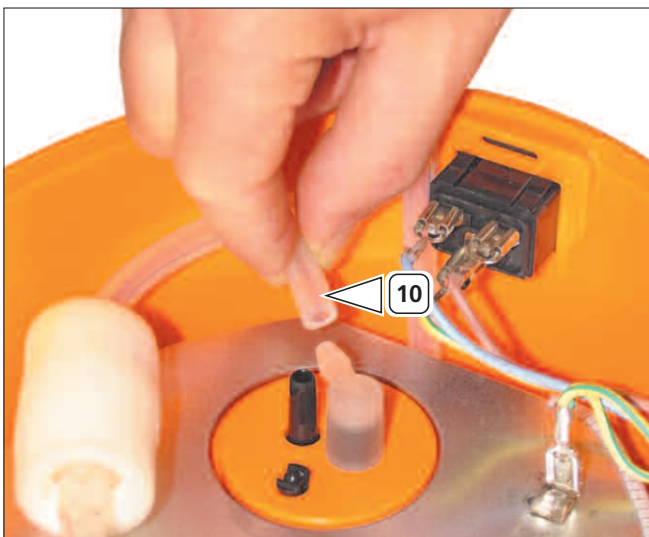
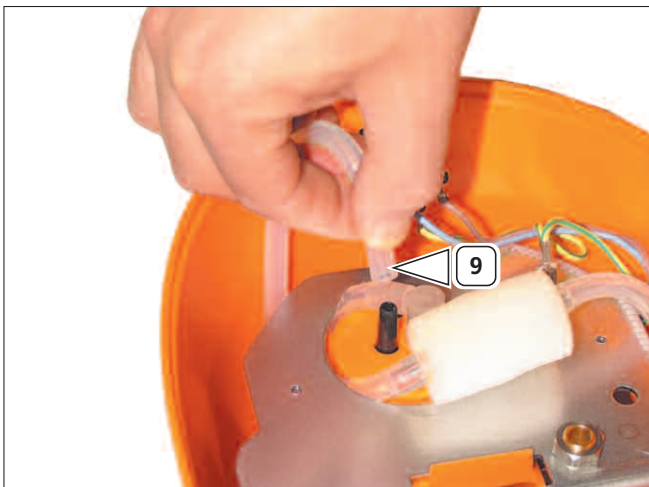
- Remove the base (7).



- Remove the faston by levering with a screwdriver on the retaining spring.
- Lever with a screwdriver on the indicated points then press and pull outwards the connector (8) to remove it.



- Remove the pipe (9) and (10).

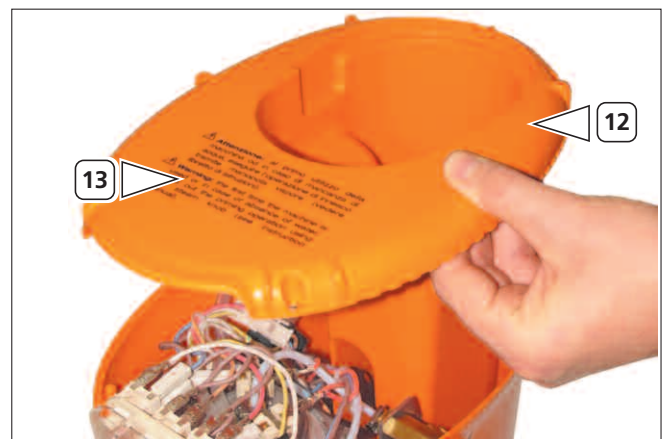


- Turn again upside down and unscrew the four screws (11) using a screwdriver TORX T10 in order to extract the conveyor cover (12).



**Attention**

In case of replacement of the conveyor cover (12) you should order and apply the safety label (13).

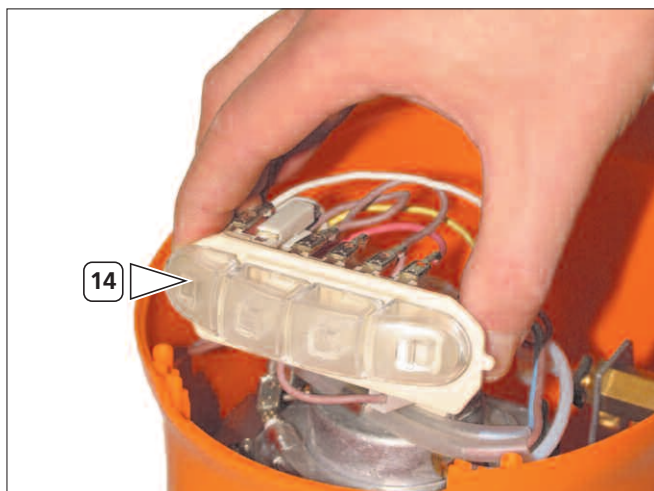


**Attenzione:** al primo utilizzo della macchina od in caso di mancanza di acqua, eseguire l'operazione di innesco tramite manopola vapore (vedere libretto di istruzioni).

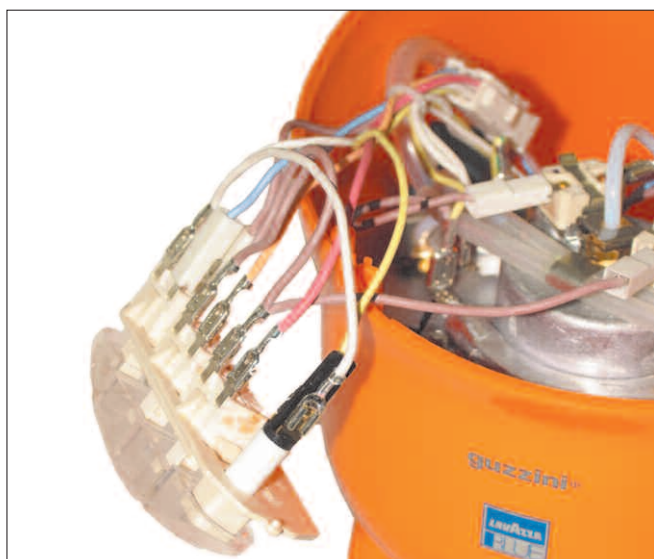
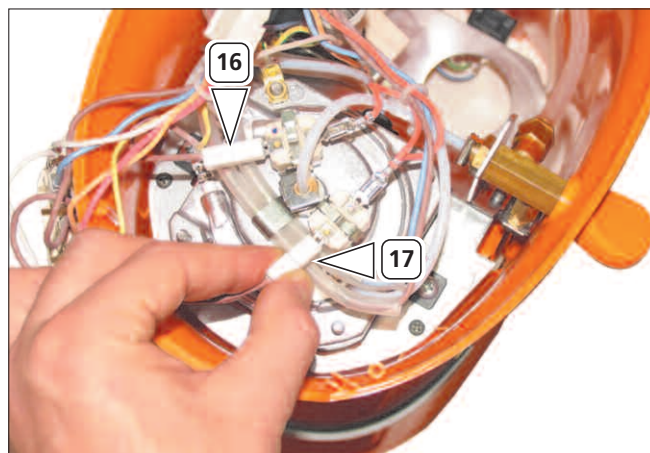


**Warning:** the first time the machine is used or in case of absence of water, carry out the priming operation using the steam knob (see instruction manual).

- Remove the switch group (14) from its housing and place it sideways.

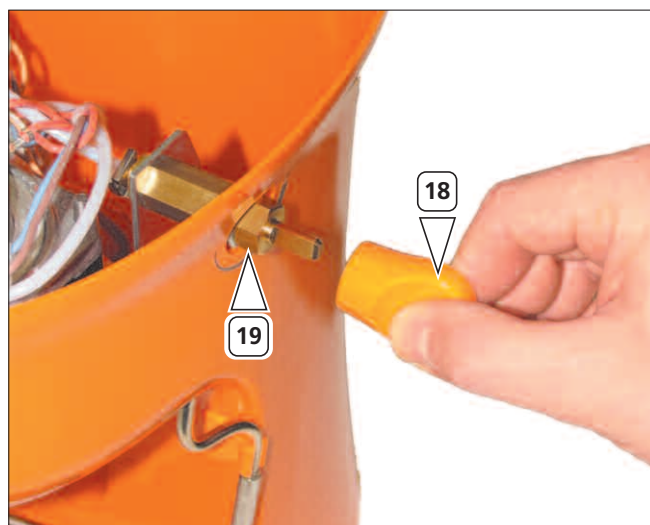


- To completely remove the switch group you should also disconnect the two faston (16) and (17).

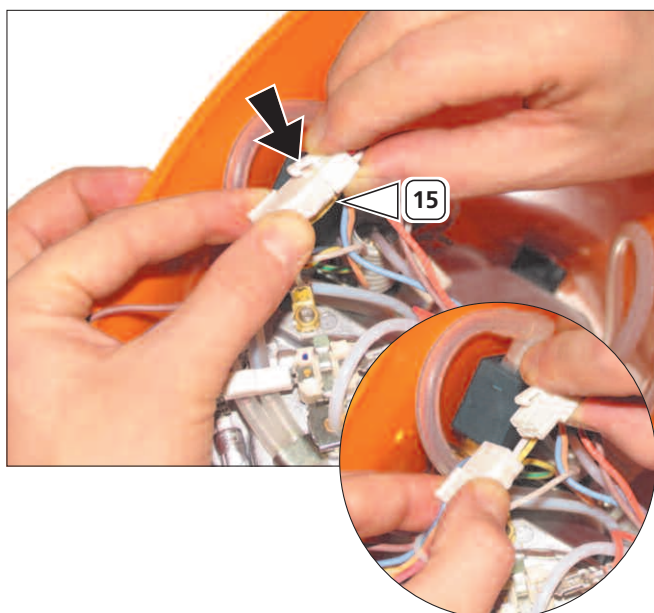


- Turn the steam knob counter-clockwise to completely unscrew it (18) then remove it by pulling outwards.

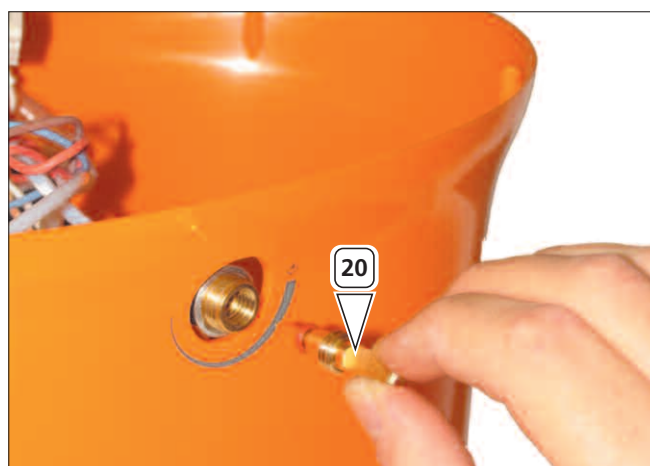
- Unscrew and remove the nut (19) using a 15 mm spanner.



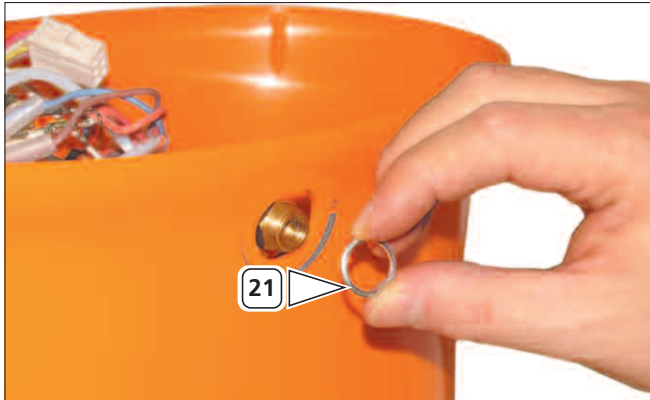
- Lever the indicated spring then disconnect the connector (15).



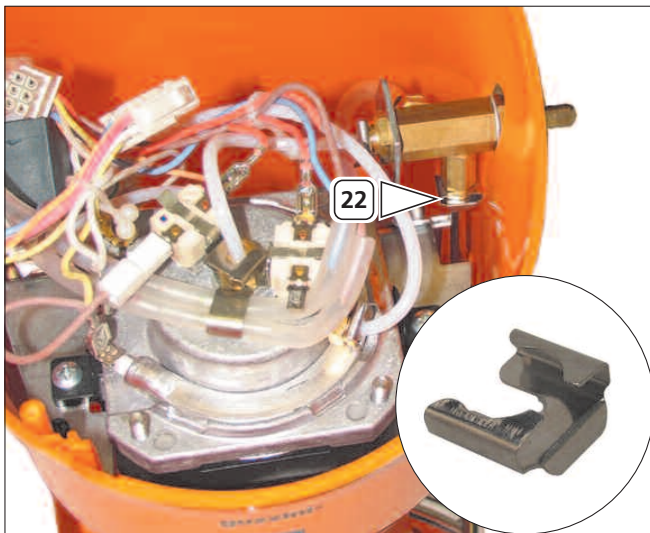
- Unscrew and remove the regulator (20).



- Extract the washer (21).



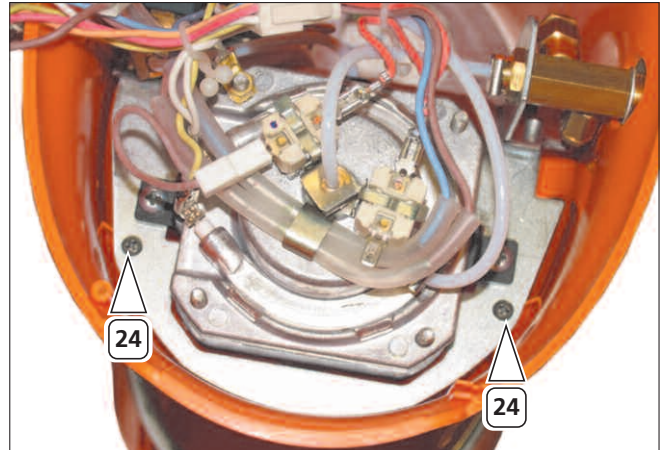
- Remove the spring (22) using a pliers.



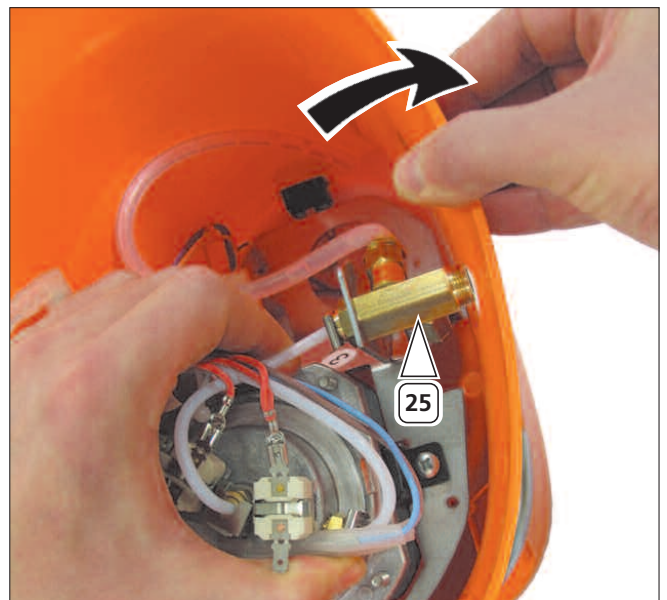
- Remove the steam pipe (23).



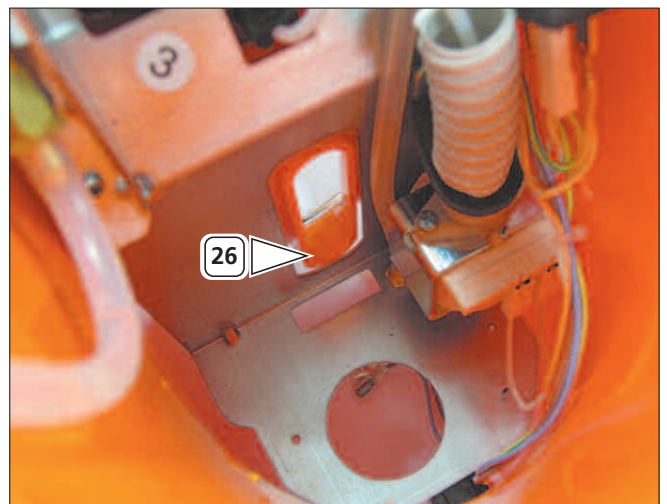
- Unscrew and remove the two screws (24).



- Gently separate the case and extract the valve (25) then pull upwards the hydraulic group.



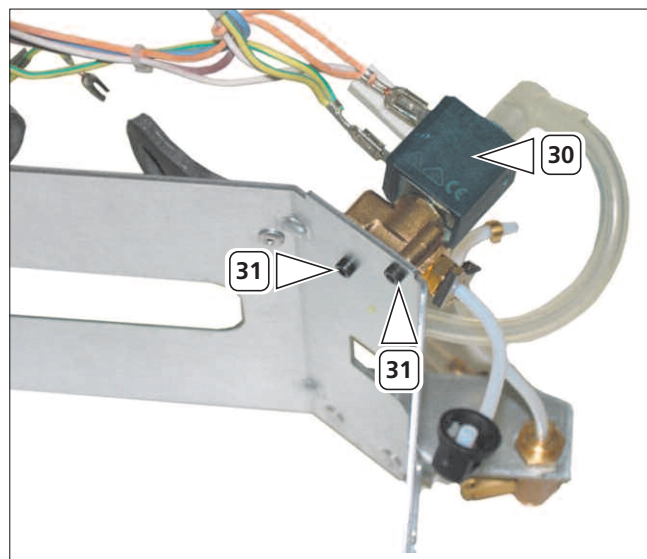
- To easily remove the hydraulic group ensure that it is released from the clip (26).





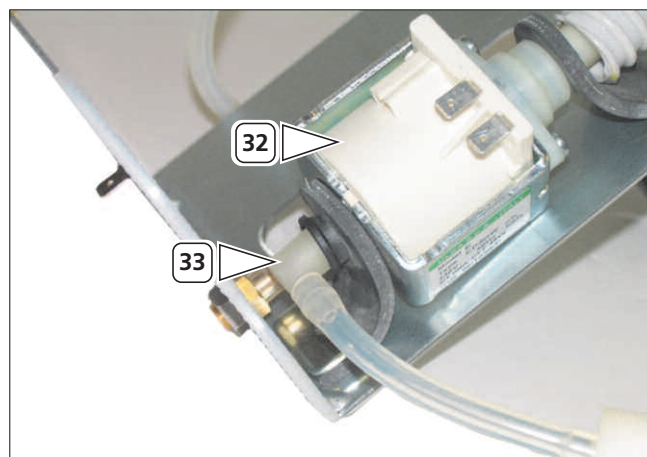
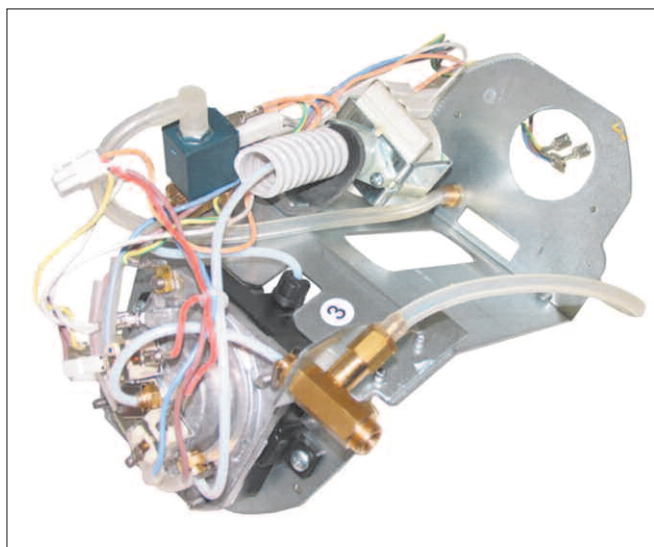
- Hydraulic group

- To remove the electrovalve (30) you must disconnect the relevant faston then unscrew the two screws (31).



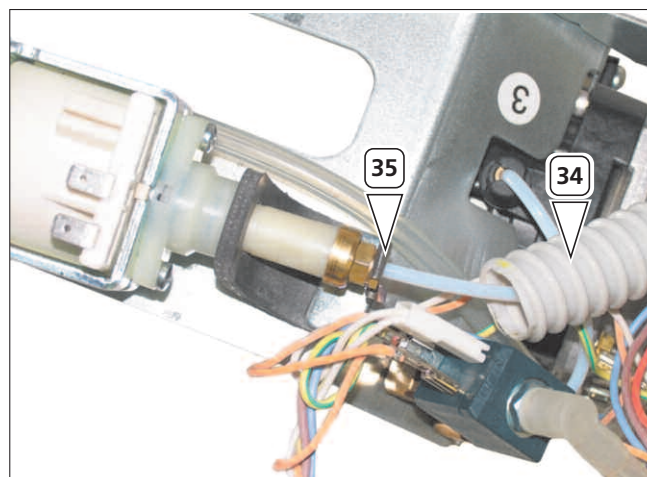
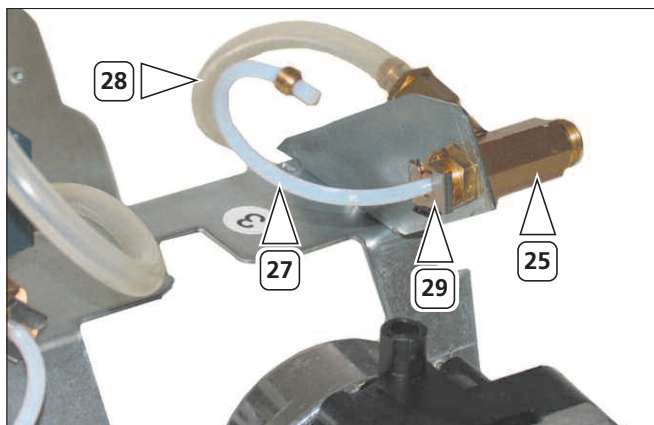
- Remove the two faston from the pump (32).

- Disconnect the pump connector (33) using a pliers.

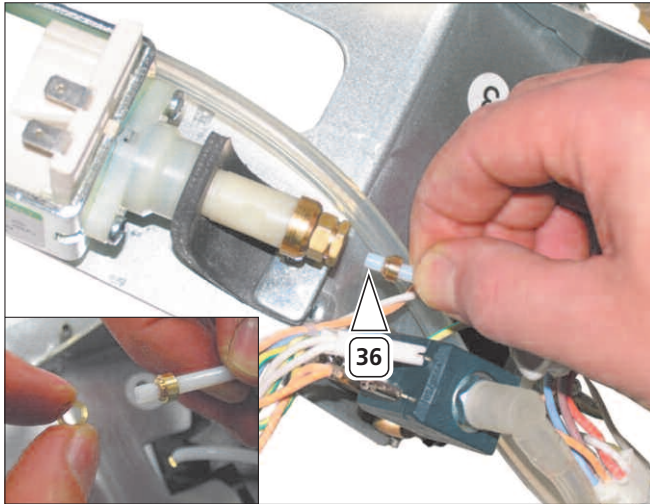


- To remove the valve (25) you should remove the pipe (27), disconnect the pipe (28) and remove the spring (29) using a pliers.

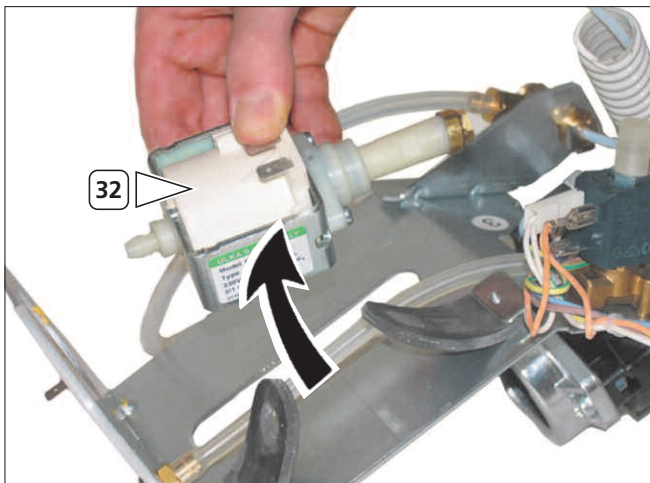
- Shift the sheathing (34) and remove the spring (35) using a pliers (35).



- Remove the pipe (36) and be careful not to loose the inner washer.

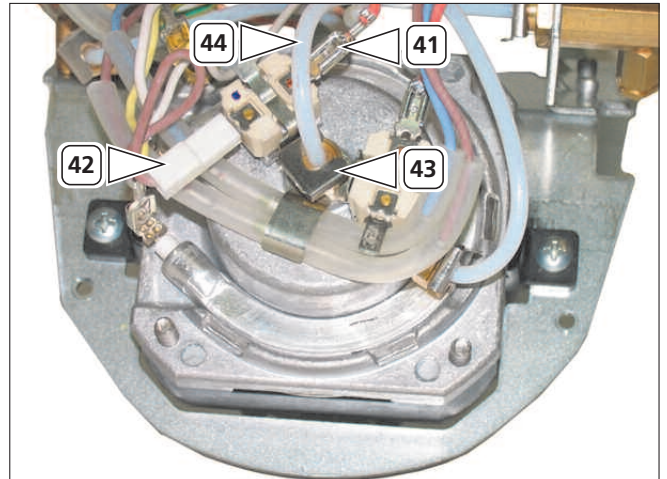
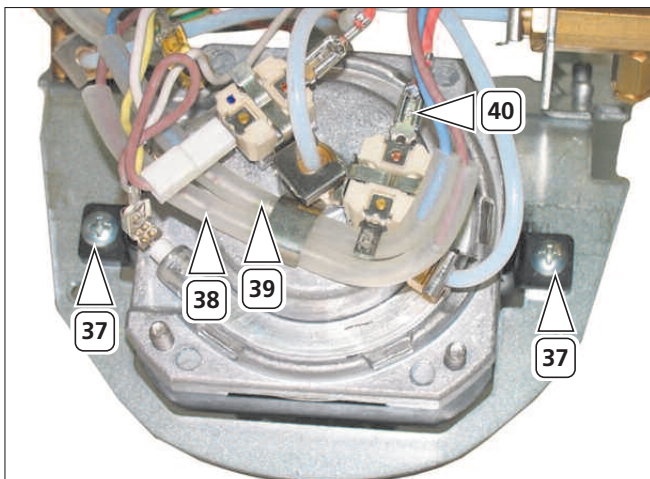


- Remove the pump (32) from its rubber supports.

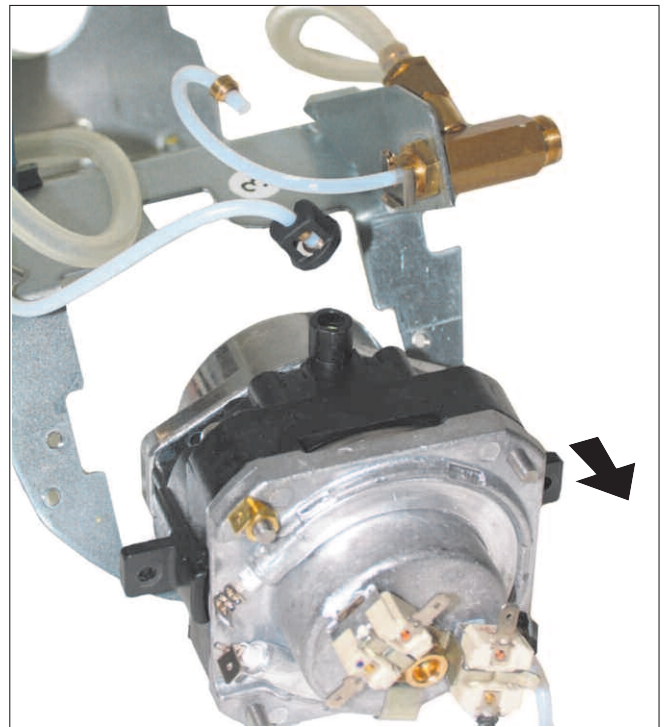


- Unscrew the two screws (37), the pipes (38) and (39) and the faston (40) (41) and (42).

Remove the spring (43) using a pliers, then slip off the pipe (44).



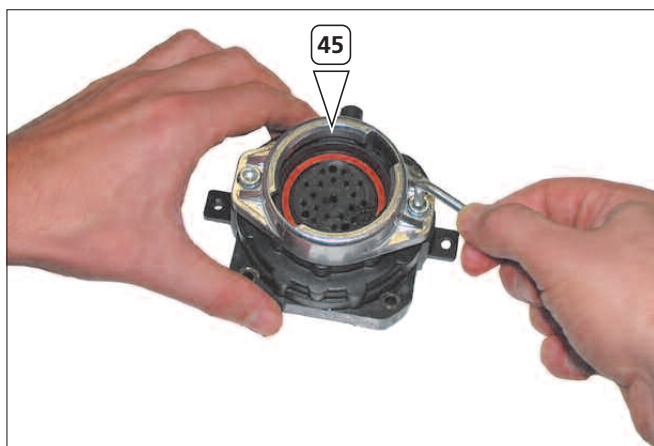
- At this point remove the boiler.



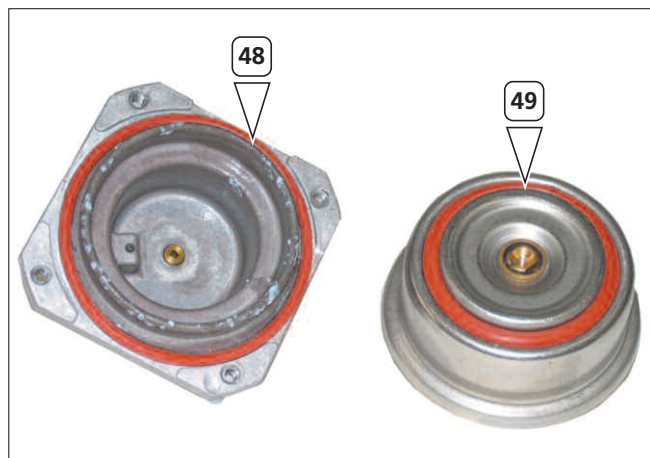
- Remove the two nuts shown on the sides of the boiler.



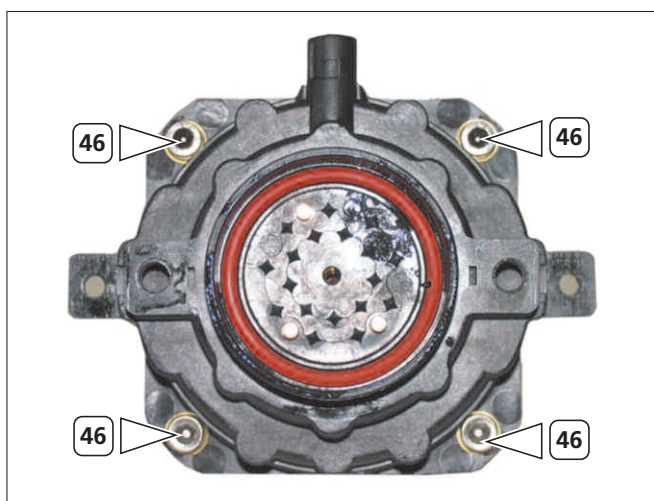
- Unscrew the two screws and remove the ring (45).



- Separate the upper boiler from the lower boiler. It is possible to replace the gaskets (48) and (49).



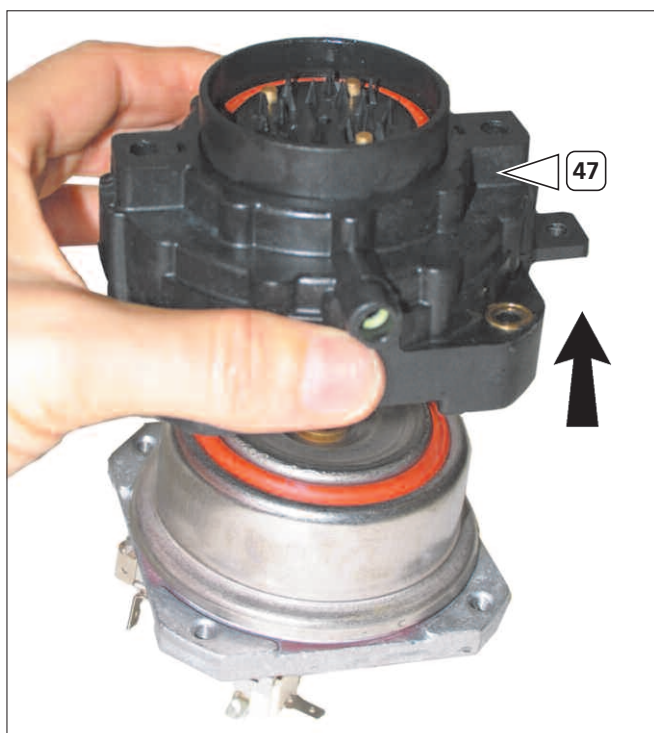
- Unscrew the four screws (46).



- Press on the boiler piston to extract it.



- Lift up and remove the boiler ring (47).

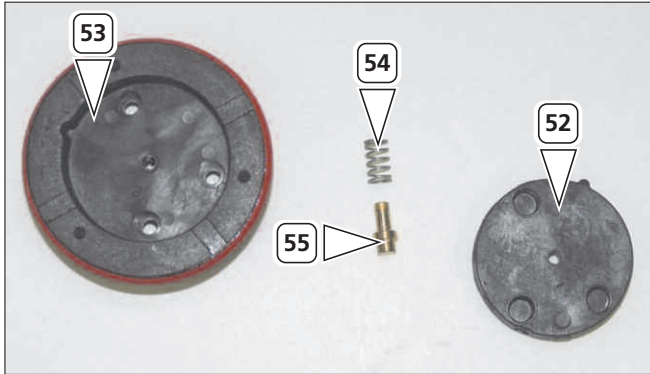


- It is possible to replace the two gaskets (50) and (51).

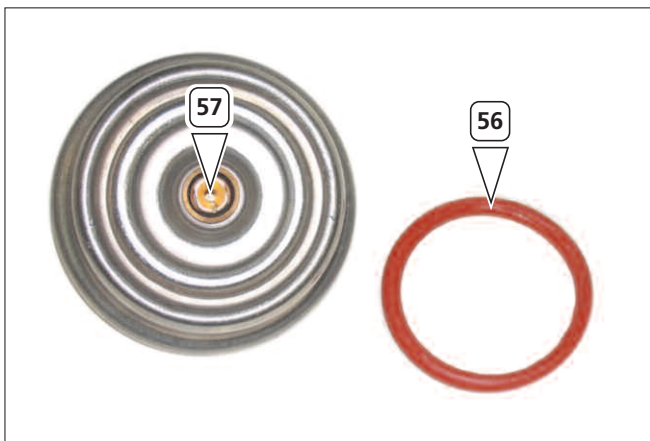




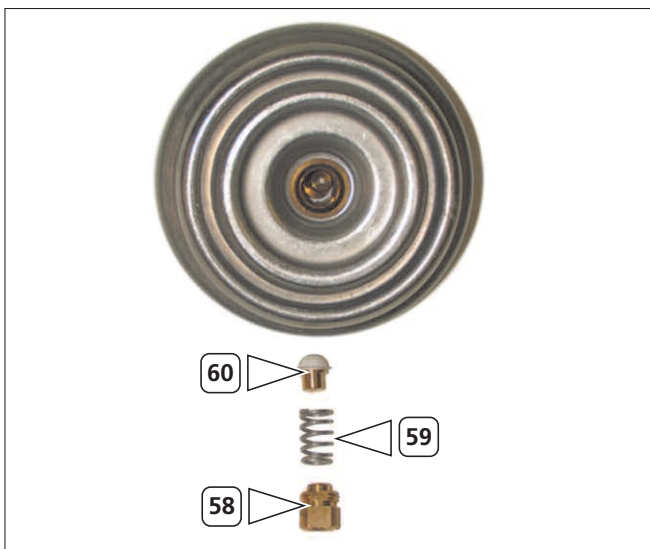
- Extract the insert (52) from the piston (53) using a pliers (53).
- Remove the springs (54) and the pins for capsule ejection (55).



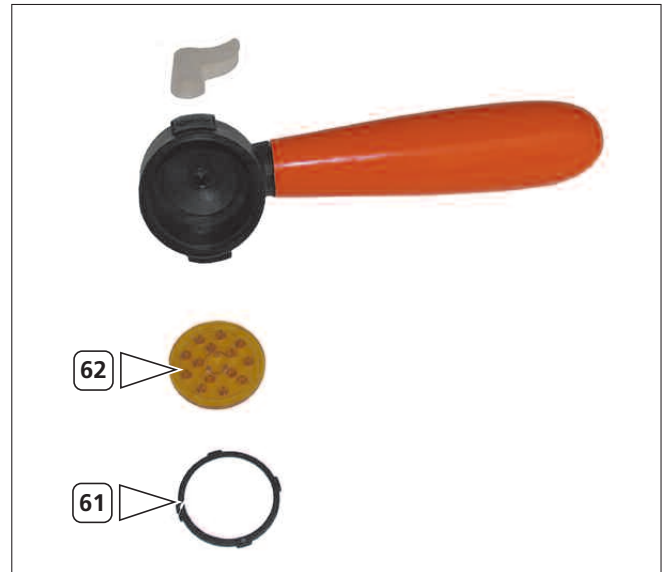
- It is possible to replace the gasket (56) of the lower boiler.
- For more maintenance on boiler unscrew the screw (57).



- Remove the valve holder (58), the spring (59) and the valve (60).



- Separate the ring (61) using a screwdriver, in order to extract the capsule perforator (62).



- In the capsule holder unit it is possible to separate the case (63) from the knob (64).

