

ITALISSIMA

Coffee Maker - Semi-automatic Built-in

SERVICE Manual



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PLEASE NOTE!

- Package elements (plastic bags, expanded polyurethane foam, etc.) must be kept away from the reach of children, being a potential source of danger.
- This product is not intended for use by children or people in need of supervision. Check that children do not play with the appliance.
- This appliance is intended for indoor use only. The appliance cannot be used in extreme weather conditions and in any case always within the permitted temperature range (-5° C - +50° C).
- The manufacturer will not be responsible for damages caused by improper, incorrect and unreasonable use.

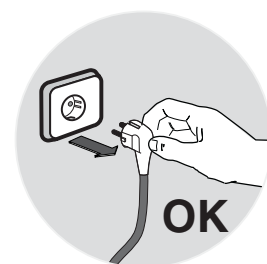


WARNING! Danger of electric shock

- Do not touch the appliance with wet hands or feet;
- Do not use the appliance when barefoot;
- Do not use extensions cords in bathrooms or showers;
- Do not pull the power cord to disconnect the appliance from the electrical mains;
- Do not expose the appliance to weather agents (rain, sunshine, etc.);



- During built-in installation, maintenance or disassembly, always disconnect the plug from the socket.
- Start operating the appliance only after completing the built-in installation to avoid contacts with live parts.
- The manufacturer will not be responsible for damages caused by failure to make the earthing connection.



PLEASE NOTE!

- The appliance is equipped with motor heat protection. If the said device does not start, avoid making any operation, disconnect the appliance from the electrical mains and make sure that the appliance has been completely repaired before starting to operate it again.



WARNING!

- The packaging is made of recyclable material and bears the recycling symbol
- If you decide not to use this appliance any more in the future, you should make the appliance inoperative by disconnecting the plug and cutting the power cord.
- This appliance conforms to the European Directive EC/2002/96, Waste Electrical and Electronic Equipment (WEEE). By making sure that this appliance is disposed of in a suitable manner, the user is helping to prevent potential damage to the environment or to public health.

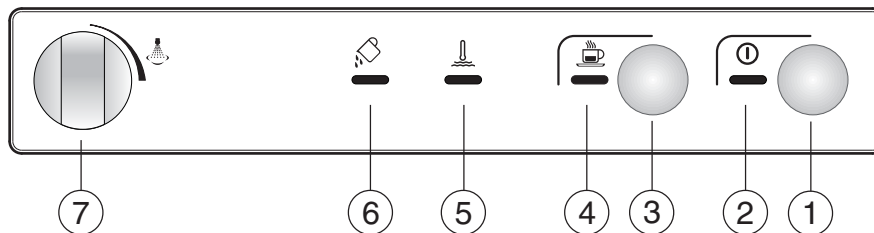


The symbol on the product or on the relevant literature indicates that the appliance should not be treated as domestic waste, but should be delivered to a suitable electric and electronic appliance recycling collection point. Follow local guidelines when disposing of waste. For more information on the treatment, re-use and recycling of this product, please contact your local authority, domestic waste collection service or the appliance purchasing location.

Technical Characteristics (2.1)

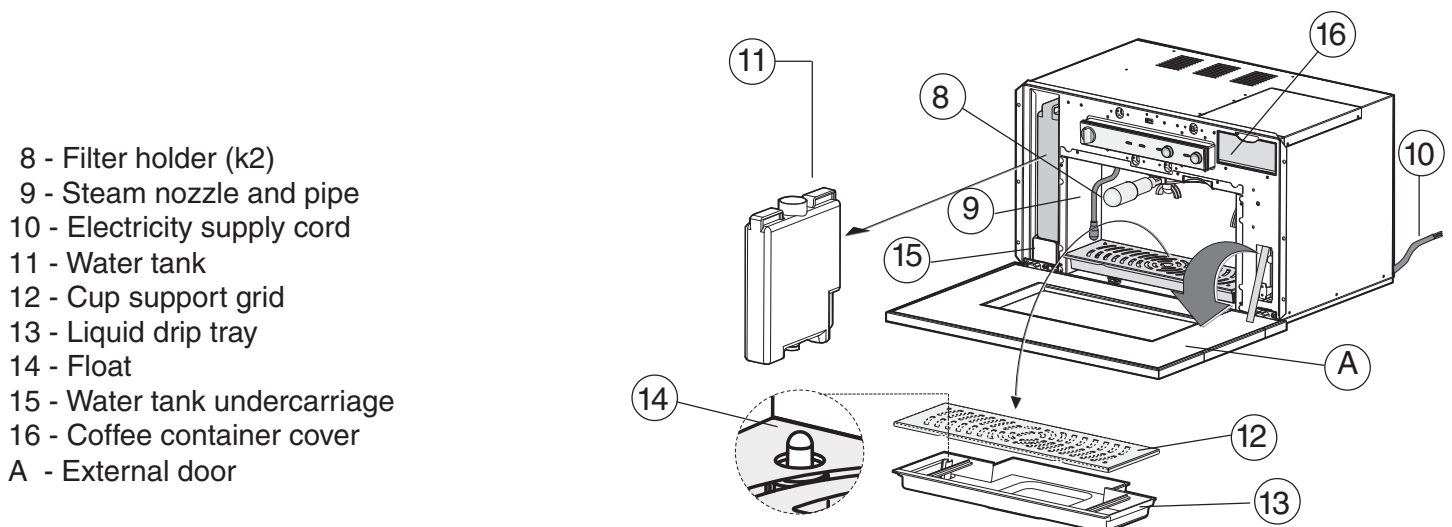
CHARACTERISTICS	TECHNICAL DATE	
Coffee grinder	Material / Color	Inox
Steam distributor	External dimensions	(h) 378 x (L) 590 x (P) 370 mm
2-cup distributor	Recessed dimensions	(h) 360 x (L) 560 x (P) 350 mm
Removable water reservoir	Weight	29 Kg
Automatic boiler temperature control	Connection voltage	230 V / 50 Hz
Automatic dosing control for coffee to be ground	motor power consumption	1420 W
Manual control for coffee dilution	Water tank	2,3 liter
Oven-type front opening	Coffee container	500 g

Control panel description (2.2)

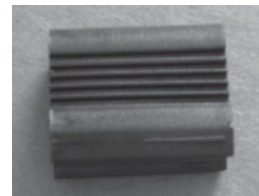
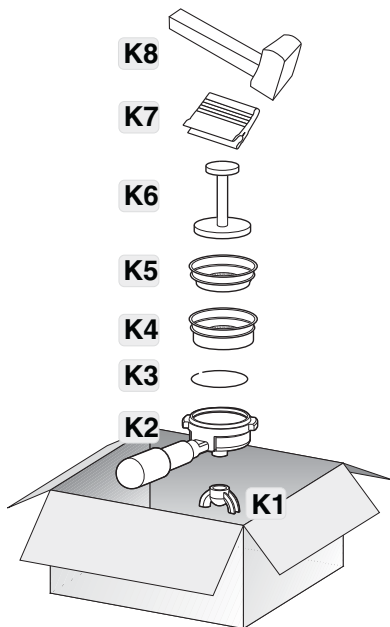


- 1 - On/Off switch
- 2 - ON indicator light
- 3 - Electricity plug
- 4 - Coffee dispenser button
- 5 - Coffee dispenser indicator light
- 6 - No water in tank indicator light
- 7 - Heating element indicator light

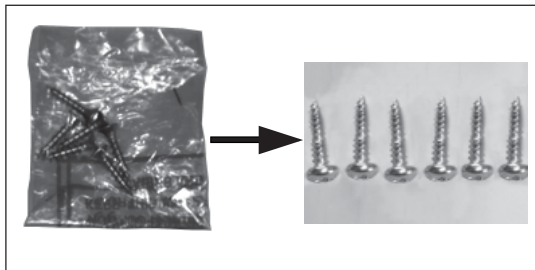
Coffee maker exploded drawing (2.3)



Parts supplied



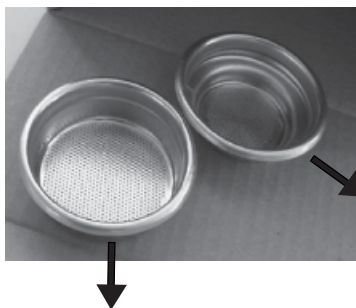
k7 - Anti-burn handle



Mounting 6 screws

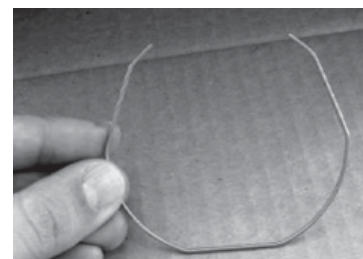


k6 - Coffee presser

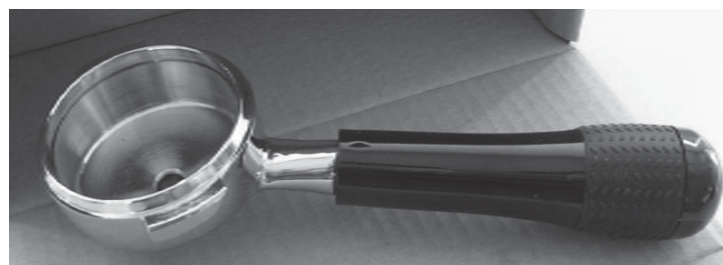


k4 - Double filter

k5 - Single filte



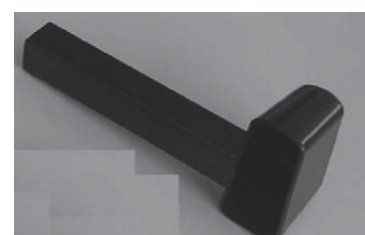
k3 - Spring



k2 - Filter holder



k1 - Dispenser nozzle

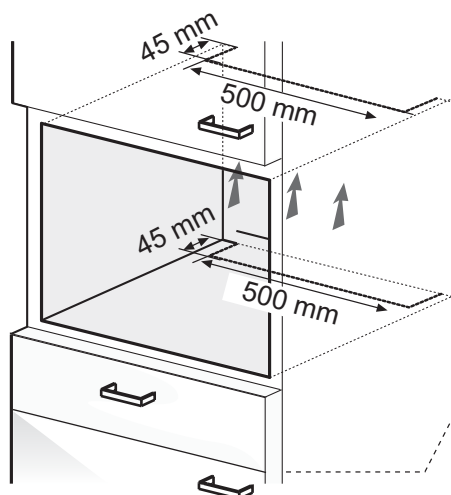


k8 - Doser

These instructions are intended for use by specialist installers and provide guidelines for installations, adjustment and servicing, in compliance with current laws and regulations.

Installation and Warning (4.1)

Before installing the appliance, check that correct ventilation is ensured in the cabinet, as shown in the figure.



- Do not block or obstruct openings or vents for ventilation and heat dissipation and do not introduce water or liquids of any kind.



IMPORTANT!!

- The appliance must be installed in such a way so as to provide easy access to the plug.

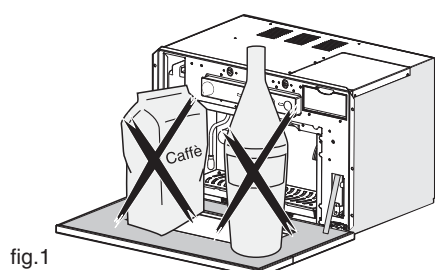


fig.1



PLEASE NOTE!

- Do not use the openable part of the appliance to support objects (fig. 1)

Built-in installation (4.2)

This coffee maker is designed to be recessed in a column (fig. 2) or cabinet (fig. 3)

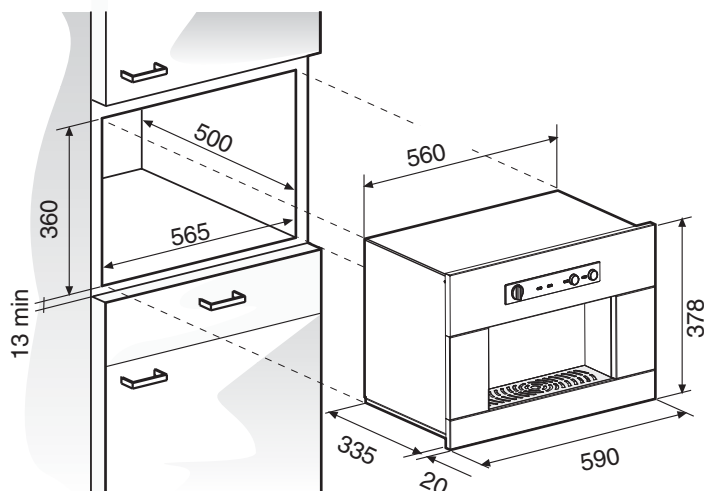


fig.2

(fig. 2) Overall dimensions for installation in column cabinet.

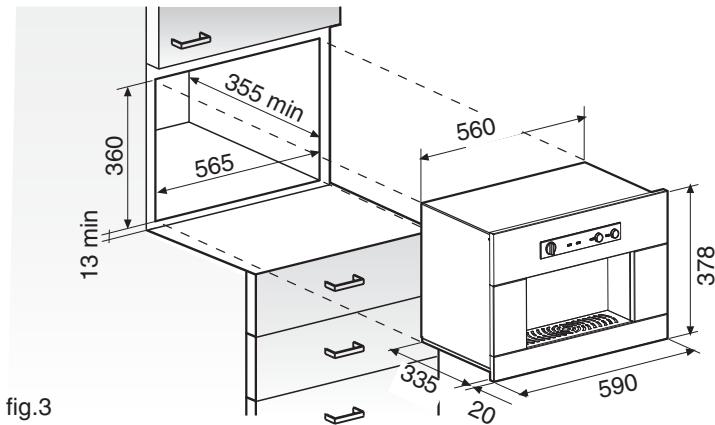


fig.3

(fig. 3) Overall dimensions for installation in cabinet.

Installation inside a cabinet (4.3)

phase1

- Build in the coffee maker in a column or cabinet.



phase2

- Open the front door A of the appliance as shown in fig. 4

A

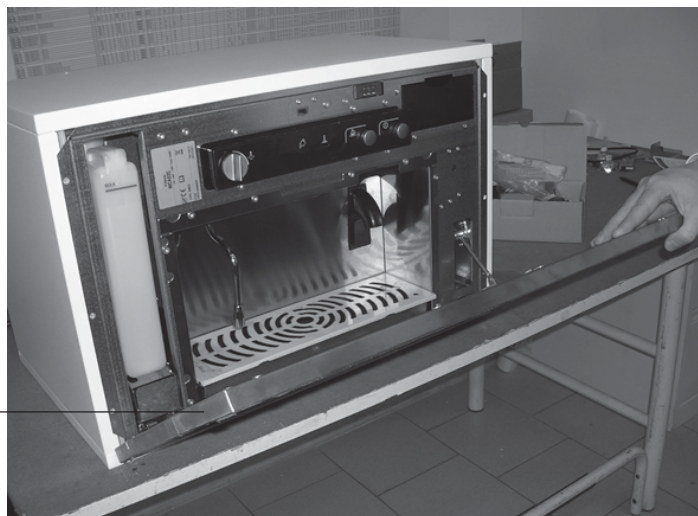


fig.4

phase3

- Permanently fit the coffee maker to the cabinet with the six screws B supplied with the appliance (fig. 5).

NOTE! According to the support type, we recommend to pre-drill a hole on the wood to avoid cracking.



WARNING!

- Make sure that the coffee maker is stable inside the cabinet.

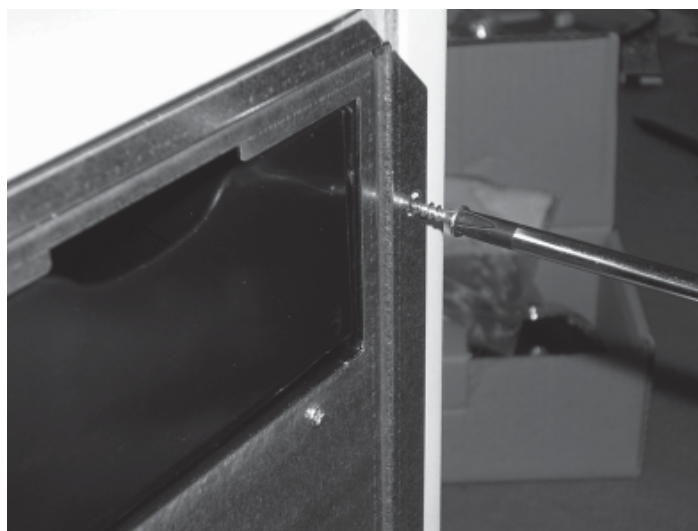
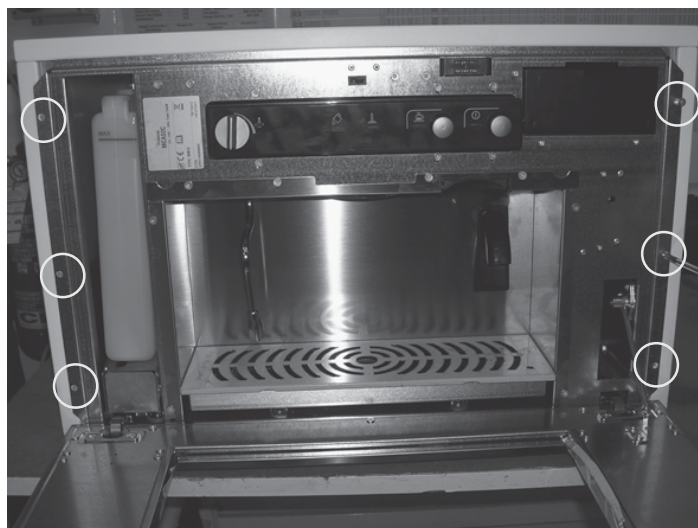
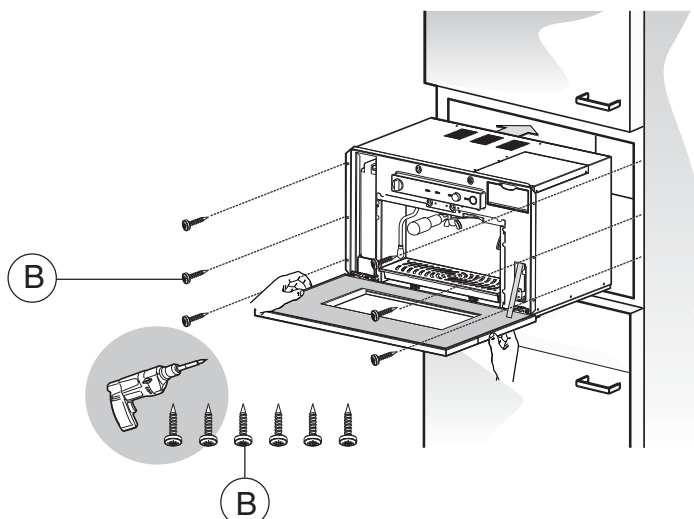


fig.5

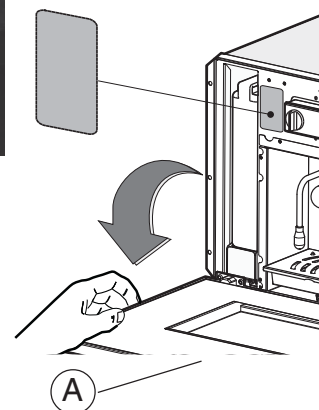
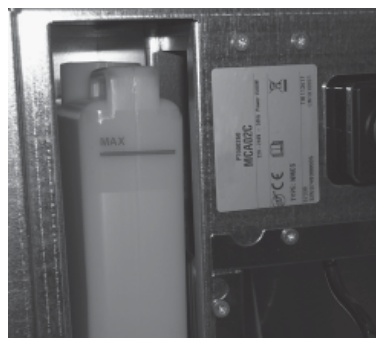


Electrical connection (4.4)



Warning!

- **Before connecting the appliance to the electricity supply:** check that the household electricity supply is compatible with the data contained on the plate applied inside on top left as shown in fig. 6.
- Use the appliance only if the power cord is not damaged.
- Unwind the power cord completely to avoid dangerous overheating.



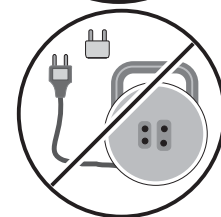
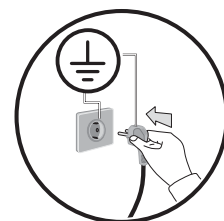
WARNING!

- Mounting and electrical connection operations must be exclusively performed by a qualified technician.
- If the power cord is damaged, it must be exclusively replaced with an original power cord from the manufacturer or by the technical assistance service to avoid dangerous risks.



WARNING!

- This appliance is built in **class I**, and must be earthed.
- Do not use extension cords, adapter or triple sockets because they do not guarantee the safe use of the appliance (for example, they may cause overheating etc.)



- If the appliance is equipped with power cord without plug, a suitably dimensioned omnipolar switch with 3mm minimum opening between contacts must be fitted between the appliance and the electricity supply in compliance with the current regulations.

The connection to the electrical mains must be made as follows:

BROWN = **L** line

BLUE = **N** neutral

YELLOW / GREEN = earthing

The neutral cable must be connected to the terminal with symbol **N** and the **YELLOW/GREEN** cable must be connected to the terminal near the earthing symbol .

- In case of voltage rises and falls due to thunderstorms with atmospheric discharge, it is recommended to switch off the appliance with the general switch and disconnect it from the socket and/or disconnect the switch.

Replacing the power cable (5.1)



Warning!

Before carrying out any maintenance procedure, the equipment should be disconnected from the mains power supply.

phase 1

- Open the door and loosen the 6 screws securing the machine.



phase 2

- Move the coffee machine from the counter top to a solid work surface.



phase 3

- Using a screwdriver, release the tabs and open the power cable box as shown in Fig. 6.

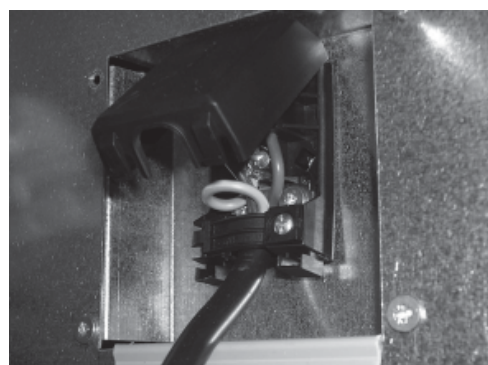
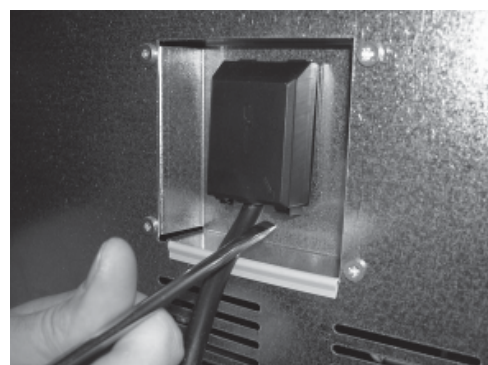
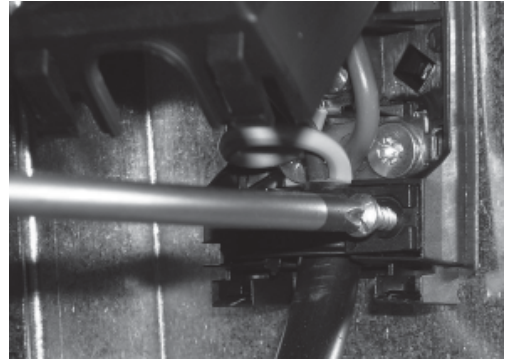


fig.6

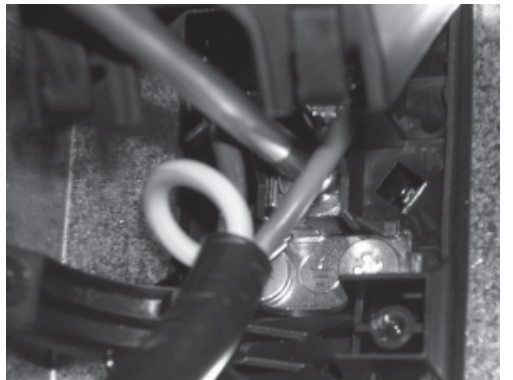
phase 4

- Loosen the four screws securing the cables, as shown in the sequence of pictures:

1_The first screw secures the power cable to the box.



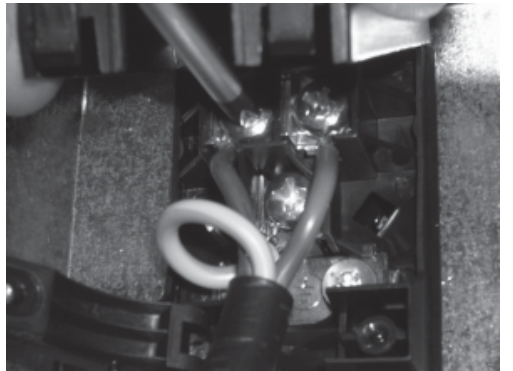
2_The screw that secures the yellow/green Earth wire



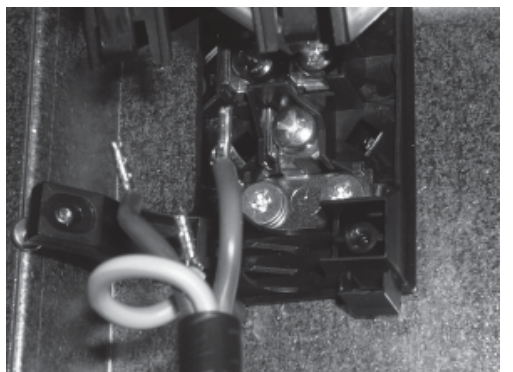
3_The screw that secures the blue Neutral wire.



4_The screw that secures the brown Live wire.



- The cable is now disconnected and can be replaced.



**WARNING!**

The coffee maker is equipped with two microswitches for functional safety. One microswitch is situated on the door A, and the other microswitch is situated in the liquid drip tray compartment 13.

The door A is provided with a microswitch: when the door is opened, the coffee maker automatically goes off and does not work. Operation will be resumed when the door is closed. The same applies for the second micro-switch that turns the machine OFF when the drip tray is removed.

Before any other operation apply the anti-burn holder to the steam nozzle (fig. 7).



fig.7

Water loading (6.1)

phase 1

- Open the front door A (the coffee maker automatically goes OFF).
- Pull the water tank undercarriage 15 forward.(fig.8)



fig.8

phase 2

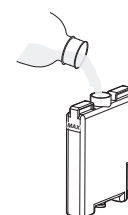
- Rotate the water tank towards the front as shown in fig. 9 and remove it.



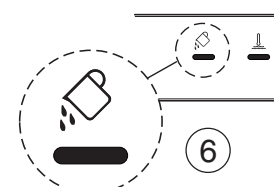
fig.9

phase 3

- Fill the water tank with cold drinking water only, without exceeding the maximum level. The tanks contains approx. 2,3 litres.
- Replace the tank in its compartment and bring the undercarriage to the initial position.
- Close the door A.



NOTE! When the water goes below the minimum level, the indicator light 6 on the front will go on.



**WARNING!**

- Especially when using the coffee maker for the first time, wash the tank with water and soap and rinse thoroughly.
- Fill the container with drinking water only, with a low calcium content. The water hardness must be lower than 4°-6° fr (French degrees). The chlorine content must not be higher than 100 mg per litre (0.00000361 lb/cu in). Otherwise, the coffee maker will not be covered by the Warranty.

Coffee loading (6.2)

phase 1

- Open the door A (the coffee maker automatically goes OFF).
- Open the container cover 16 and fill it with grain coffee (fig. 10).



fig.10

phase 2

- Replace the cover.
- Close the door.



NOTE! The container can contain max. 500 g of coffee.

**WARNING!**

- The grinder-doser must be exclusively used for its intended purpose, that is to say grinding of roasted grain coffee, any other use is to considered improper and therefore dangerous.
- When loading coffee, do not put your hands inside the container.
- Do not use glazed, sugared or any other types of grain coffee treated with sugar-based preservatives. They will clog up the grinding system.

- Do not operate the motor without coffee to be ground.
- While the appliance is working, never introduce spoons, forks or any other tools in the container.
- Should a foreign body block the motor, turn off the appliance immediately and contact an authorised technical service centre.

Initial start up (6.3)

- Turn on the appliance by pressing the button 1, the indicator light 2 goes on, together with the indicator light 5 that indicates the beginning of water heating (fig. 11).
- When the indicator light 5 goes off (approx. 5/6 min) the preparation cycle has been completed and the coffee maker is ready to make coffee or dispense steam.

Note: To ensure good quality coffee, the filter-holder should be kept in place and you should wait a further ten minutes to allow the machine to heat up again.



PLEASE NOTE!

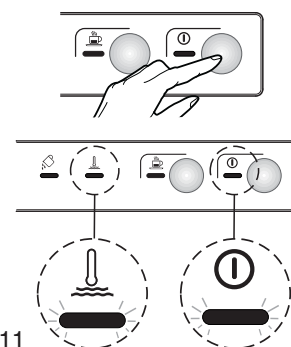


fig.11

- The appliance is equipped with electronic self-levelling device and automatically reintegrates water in the boiler by taking it from the tank.
- When switching on the appliance for the first time, open the steam knob, you will hear some noise for several seconds due to the air left in the hydraulic system.

How to make single-dose coffee (6.4)

phase 1

- Insert the spring (K3), if not inserted yet, in the filter-holder (K2).
This operation must not be repeated again, except in case of spring breakage.



phase 2

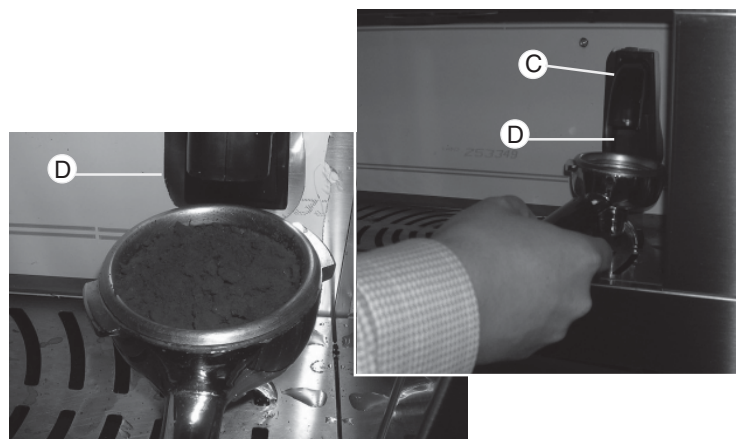
- Insert the single filter (K5) in the filter-holder (K2).



phase 3

To start grinding the coffee, bring the filter-holder (K2) with the empty filter close to the ground coffee dispenser C, press once the button D for single-dose coffee quantity.

Grinding is automatically set for a single dose.



phase 4

- Press coffee uniformly with the coffee presser (K6).
- Clean the filter border.



phase 5

- Insert the filter-holder (K2) in the dispenser by rotating it in the attachment until it is firmly tightened.



phase 6

- Place the cup under the nozzles (K1).

phase 7

- Press the coffee dispenser button 3, the indicator light 4 goes on. Once you have reached the desired level, press the button 3 again to stop the dispensing, the indicator light 4 goes off.

The preparation of a single-dose coffee has been completed.



How to make double-dose coffee (6.5)

phase 1

- Insert the spring (K3), if not inserted yet, in the filter-holder (K2).
This operation must not be repeated again, except in case of spring breakage.



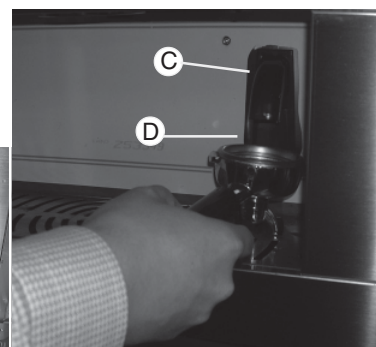
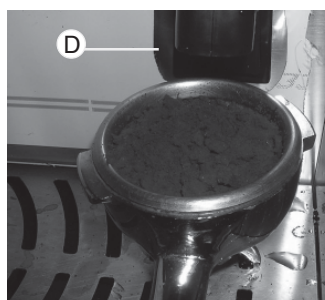
phase 2

- Insert the double filter (K5) in the filter-holder (K2).



phase 3

- Insert the double filter (K5) in the filter-holder (K2).
- To start grinding coffee, bring the filter-holder (K2) with the empty filter close to the ground coffee dispenser C and press the button D once. Wait until the grinder stops and press the button again. You have ground the correct quantity for two coffee cups.



phase 4

- Press coffee uniformly with the coffee presser (K6).
- Clean the filter border.



phase 5

- Insert the filter-holder (K2) in the dispenser by rotating it in the attachment until it is firmly tightened



phase 6

- Place the two cups under the nozzles(K1).

phase 7

- Press the coffee dispenser button 3, the indicator light 4 goes on.
- Once you have reached the desired level, press the button 3 again to stop the dispensing, the indicator light 4 goes off.



The preparation of a double-dose coffee has been completed.



How to dispense steam (6.6)



Warning! RISK OF BURN

- The appliance generates steam and hot water at high temperature! Never direct the steam or hot water jet towards the body, handle the nozzle with care using the anti-burn handle (K7)
- Do not touch the nozzle after use.

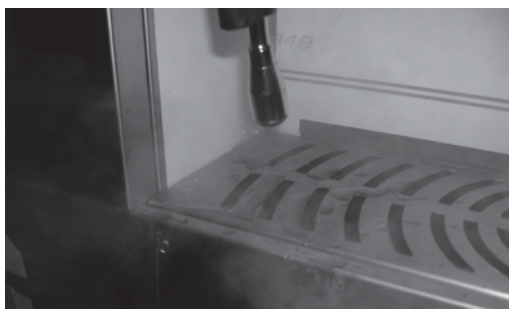
phase1

- Clean the nozzle with a cloth dampened with hot water.
- Make sure that the nozzle is inside the grid 12



phase 2

- Open the steam knob 7 gradually and carefully and keep it open until the hot water drops contained inside the nozzle come out.



- When only steam comes out, close the knob. Using the anti-burn handle (K7), introduce the nozzle inside the liquid to be heated and open the knob again after this operation. This will avoid squirts.
- Use the knob 7 to adjust the steam as desired, while keeping the nozzle inside the liquid.
- Once the liquid has been heated, close the steam knob 7 and remove the container with the heated liquid.
- With a cloth dampened with hot water, clean the nozzle, place it inside the grid and open the steam knob to eject the heated liquid from the nozzle.

The heating of the liquid has been completed.



Adjusting the grind thickness (7.1)

After pressing the relevant button, the amount of time required for coffee to be distributed is normally about 18-25 seconds.

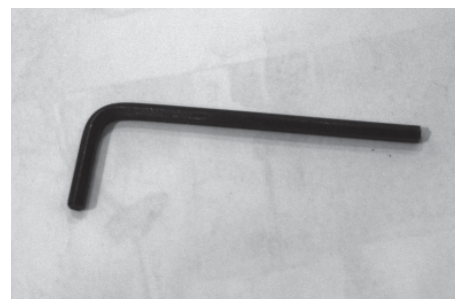
- If the coffee is distributed very slowly, and the coffee grounds are very wet, this means that the coffee has been ground too finely and should be adjusted.

- If the coffee is distributed very quickly, and the coffee grounds are almost dry, this means that the coffee has been ground too thickly and should be adjusted.

How to adjust grinding thickness:

phase 1

Use a 3 mm Allen wrench (not supplied)



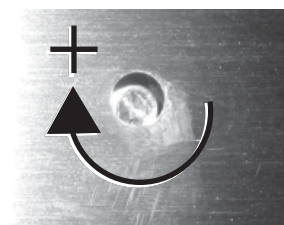
phase 2

Insert the Allen wrench into the opening to adjust grinding thickness.



phase 3

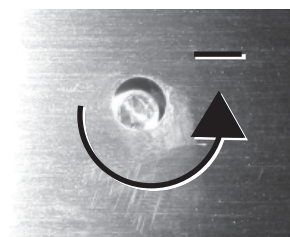
Turn the Allen wrench clockwise to obtain a thicker ground coffee.



Turn the Allen wrench anticlockwise to obtain a finer ground coffee.



Warning! Adjust the grinding thickness by one turn at a time to prevent the coffee grinder from becoming blocked.



Note: After having adjusted the grinding thickness in accordance with the above instructions (one turn at a time), assess the consistency of the ground coffee only after the second grinding.

P.S.: The first batch of ground coffee should be discarded.

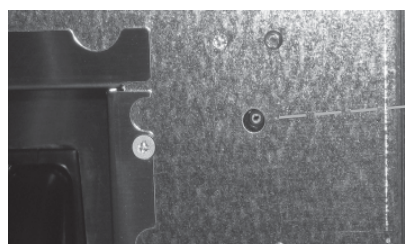
Adjusting the quantity of coffee (7.2)

The time required to distribute the ground coffee using the factory setting is approximately 7-8 seconds. The time required to distribute the coffee, and consequently the amount of coffee, should be changed if the coffee in the filter holder is too little or too much. If the amount of coffee is too much, the filter holder cannot easily be inserted in the distribution unit.

How to adjust the quantity of ground coffee:

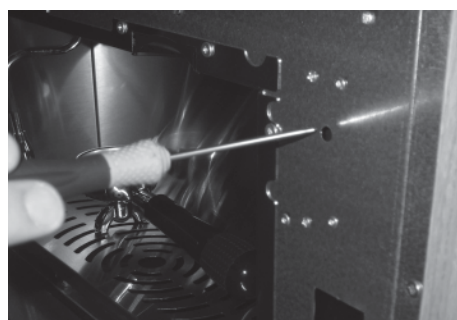
phase 1

- Open the front of the machine



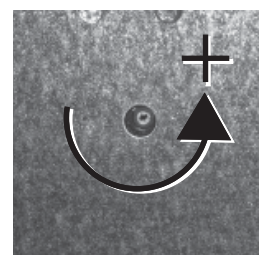
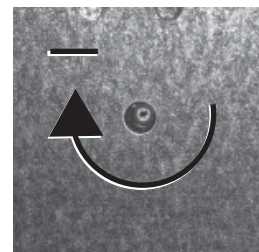
phase 2

- Insert a flathead screwdriver in the opening and adjust the potentiometer.



phase 3

- Turn clockwise to reduce the distribution time and the amount of coffee that is distributed.
- Turn anticlockwise to increase the distribution time and the amount of coffee that is distributed.



Note: When adjusting the amount of coffee, always refer to the mark on the filter, as shown in the picture.

Note: After having adjusted the grinding thickness in accordance with the above instructions (less than 1/4 turn at a time), assess the consistency of the ground coffee only after the second grinding.
P.S.: The first batch of ground coffee should be discarded.

Servicing the coffee machine (8.1)



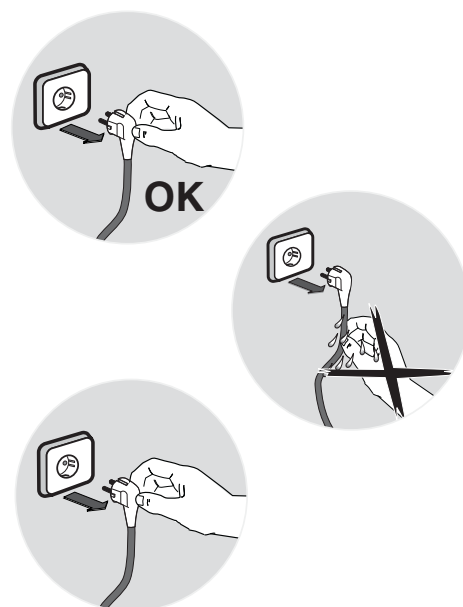
WARNING!

- Turn off the appliance in case of fault or malfunctioning.
- It is strictly forbidden to perform maintenance operations that are not expressly described in this manual.
- Exclusively refer to professionally qualified personnel. Repairs must be effected either by the manufacturer or an authorised service centre exclusively using original spare parts. Failure to comply with the above may jeopardise the safety of the appliance and void all warranty rights.
- Never use any type of solvents.
- Use water and soap and rinse thoroughly.
- Remove any lime deposits caused by water or steam with a brush.



WARNING! Risk of electrical shock

- All cleaning and washing operations or any other actions on the appliance must be performed with "**ZERO ENERGY STATUS**", after disconnecting the electrical plug and when the appliance is cold. If the electrical plug is difficult to access, turn off the circuit breaker on the general switchboard.
If the appliance is permanently connected to the fixed mains, the power switch must be placed on OFF.
- Never pull the power cord to disconnect the plug from the socket.
- Never touch either the power cord or the plug with wet hands.



WARNING! Risk of intoxication

- Once you have started washing the appliance, complete the operation to avoid leaving any detergent inside the dispenser unit.

If the appliance is not used for several days, the following operations are recommended:

- Empty the water container.
- Turn off the appliance and switch off the circuit breaker on the general switchboard.
- Disconnect the plug from the socket.
- Remove the coffee grains contained in the coffee container and actuate the grinder to empty the remaining coffee.
- Clean all tanks and accessories with water and soap.
- Dry every part of the appliance.
- Make sure that the filter-holder (K2) is empty and clean.
- When the appliance is operated after a long stop, we recommend to load the hydraulic circuit with hot water, , make 2/3 coffee cups and throw them away in order to finish the old coffee.



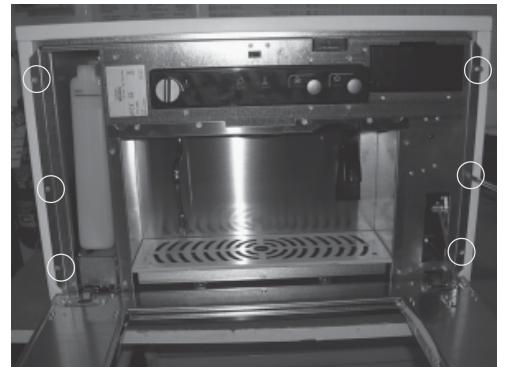
CAUTION

Before carrying out any service procedure, ensure that the machine has cooled down and is not under pressure, then disconnect it from the mains power.

Opening the coffee machine cover (9.1)

phase 1

- Open the door and unscrew the 6 screws securing the machine.



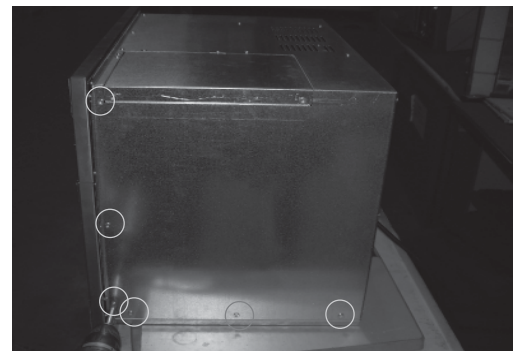
phase 2

- Move the coffee machine from the counter top to a solid work surface.



phase 3

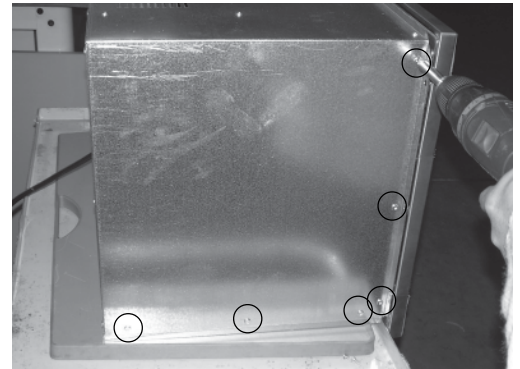
Remove the six screws located on the right side of the machine.



Machine Cover

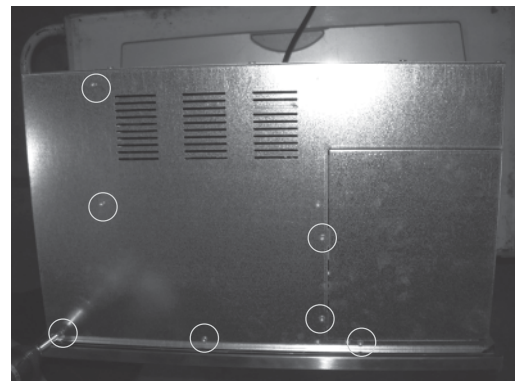
phase4

Remove the six screws located on the left side of the machine.



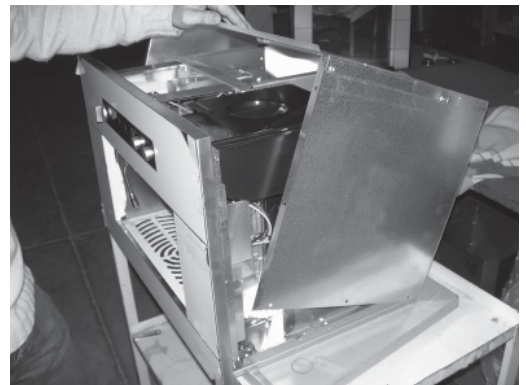
phase 5

Remove the seven screws located on the top of the machine.



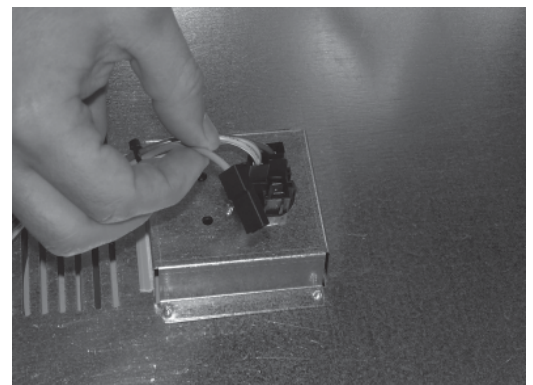
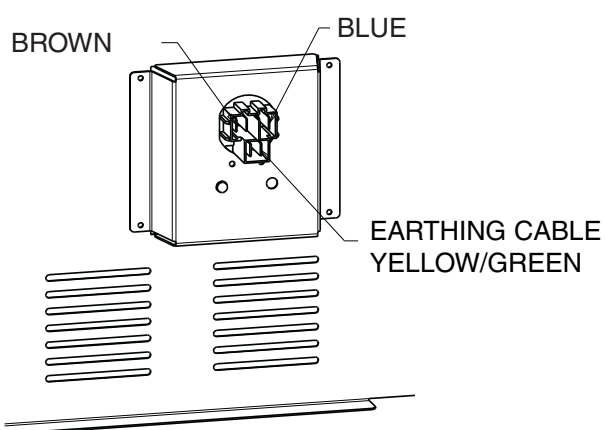
phase 6

Lift off the cover.

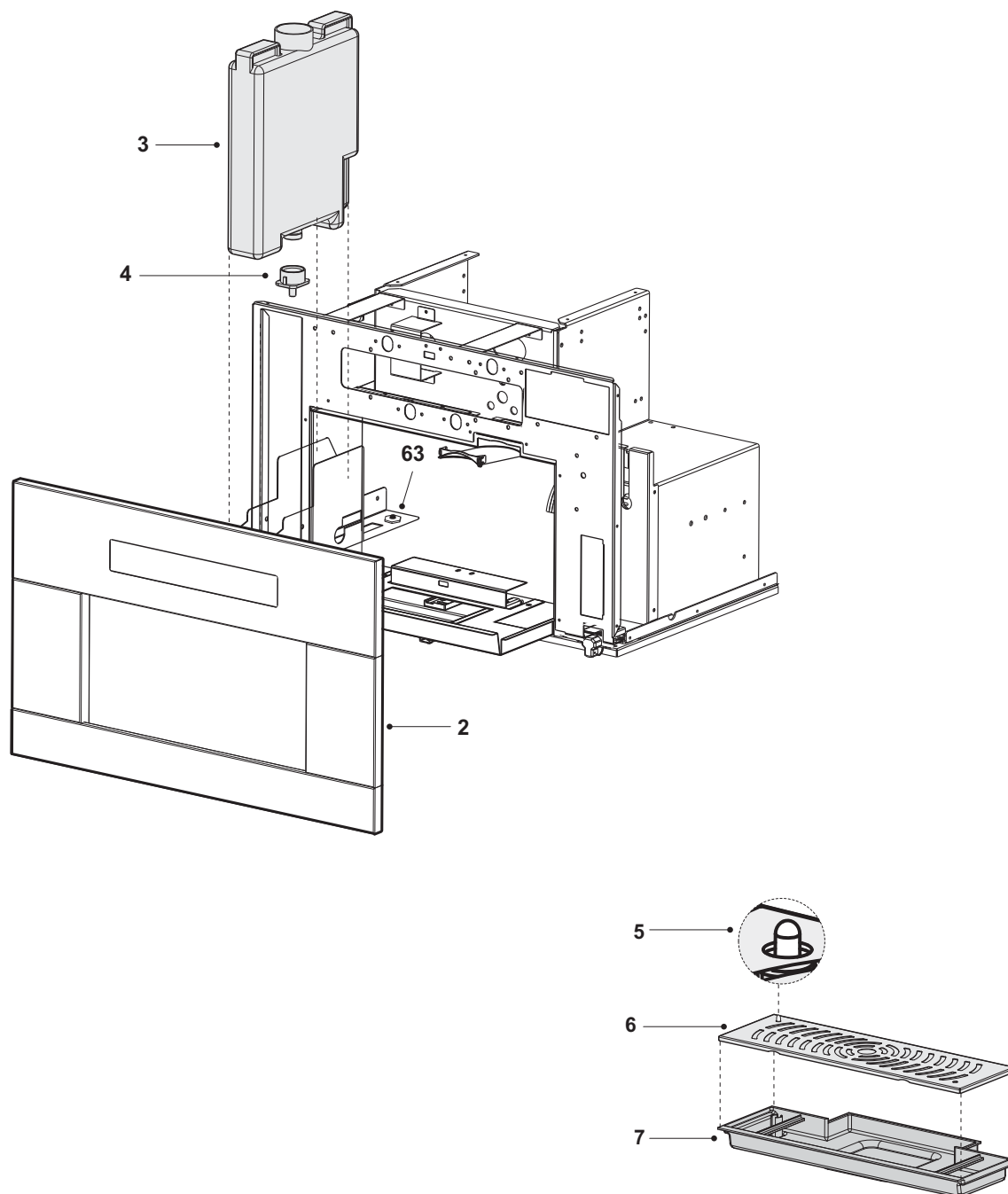


phase 7

Release the power cable connectors.



Exploded drawing and parts list for machine structure (10.1)



DESCRIPTION	POSITION
FRAME	2
WATER HOLDER	3
STOP VALVE	4
FLOAT	5
GRILLE FOR WATER HOPPER TANK	6
WATER HOPPER TANK	7
PROXIMITY SENSOR	63



WARNING

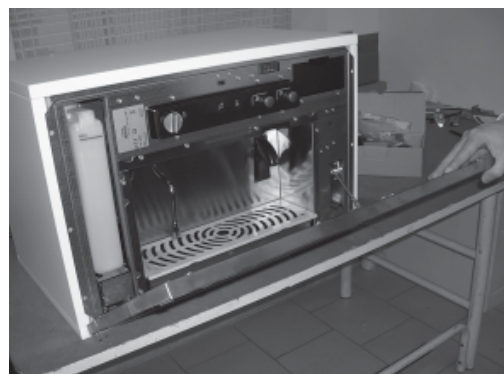
Before carrying out any service procedure, ensure that the machine has cooled down and is not under pressure, then disconnect it from the mains power.

Replacing machine structure parts (10.2)

■ *Frame*

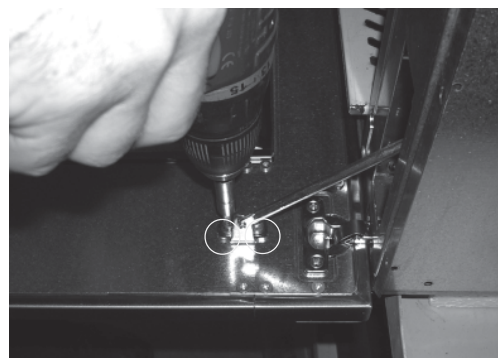
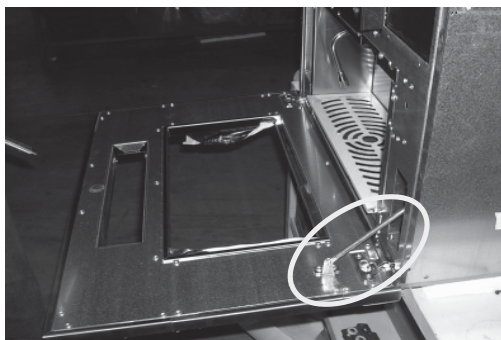
phase 1

- Open the front of the machine.



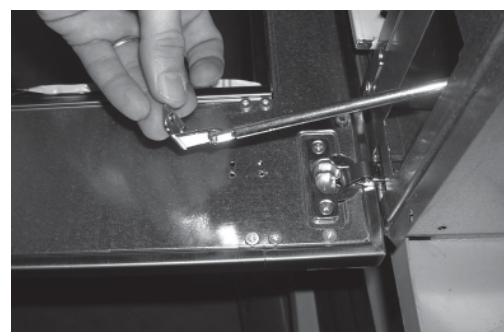
phase 2

- Unscrew the two screws securing the flap rod.



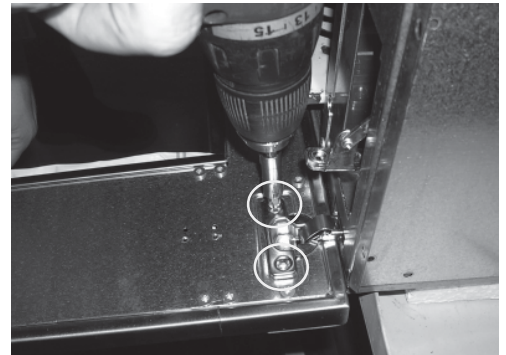
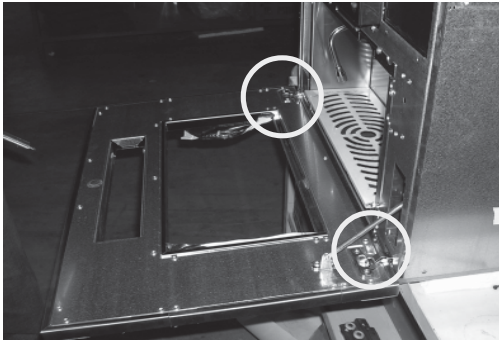
phase 3

- Release the rod.



phase 4

- Unscrew the four screws securing the front of the machine to its structure.



phase 5

- Remove the front of the machine.



■ Water holder

phase 1

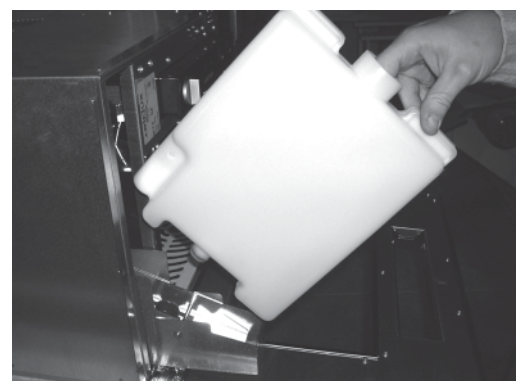
- Remove the machine cover as described in the instructions in section 9 on page 24 and 25.

phase 2

- Open the front of the machine.



- Slide out the carriage and release the water reservoir.



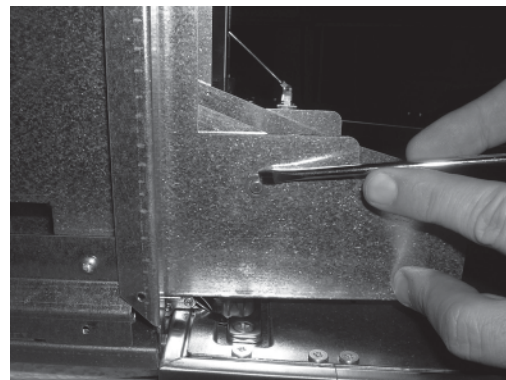
■ Proximity sensor

phase 1

- Remove the machine cover as described in the instructions in section 9 on page 24 and 25, then release the water reservoir.

phase 2

- Release the elastic ring seal.



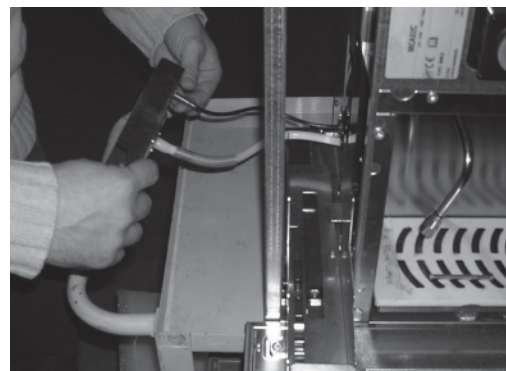
phase 3

- Remove the pin securing the water reservoir bracket to the machine structure.



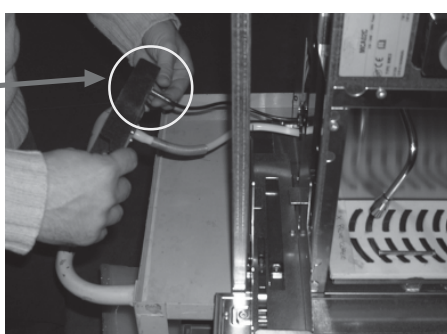
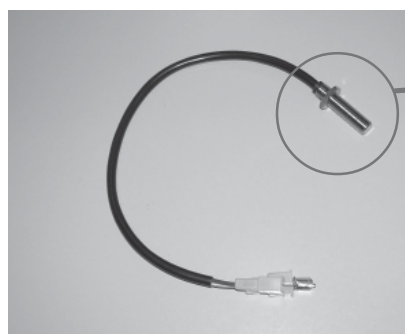
phase 4

- Remove the water reservoir bracket.



phase 5

- To replace the proximity sensor, as shown in the figures below, proceed as follows:



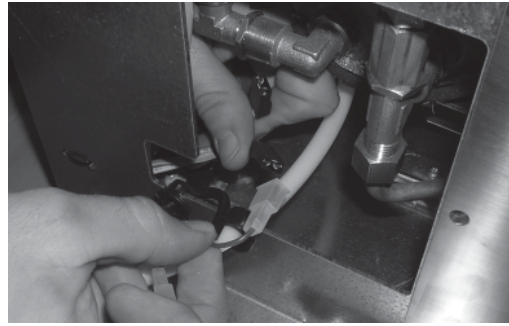
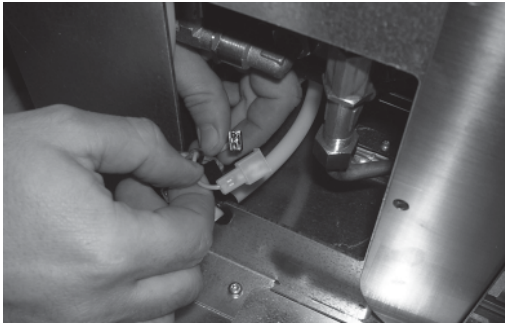
- Using a No. 13 wrench, loosen and remove the nut securing the proximity sensor to the water reservoir bracket.

Note: To facilitate this procedure, use another wrench to hold the nut, as shown in the figure.



phase 6

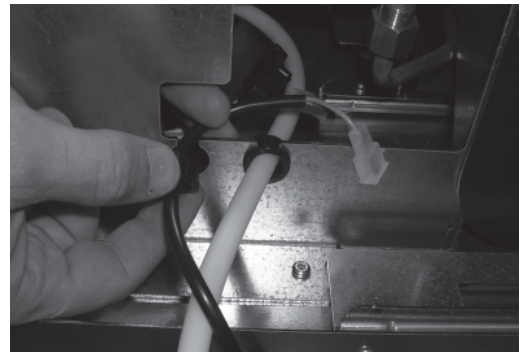
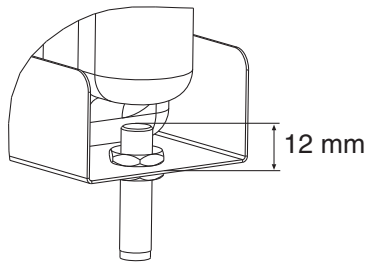
- Release the two connectors: light blue and brown.



phase 7

- Remove the cable bushing and replace the cable.

Note: The height of the sensor should be adjusted to 12 mm from the water reservoir bracket, as shown in the drawing.



■ Stop valve

phase 1

- Remove the machine cover as described in the instructions in section 9 on page 24 and 25.

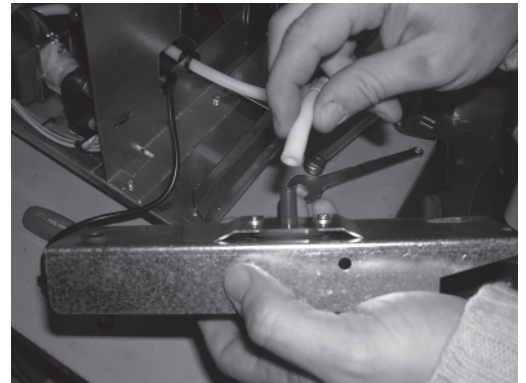
phase 2

- Slide out the water reservoir bracket, following the instructions in section 10 on page 28 up to step 5.



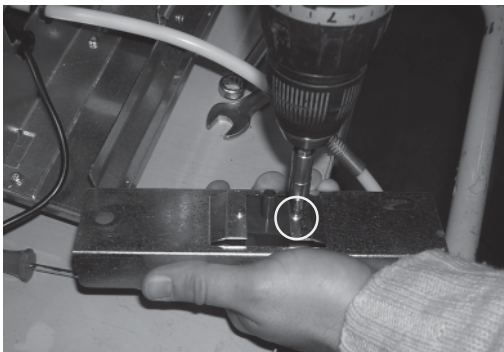
phase 3

- Release the water pipe.



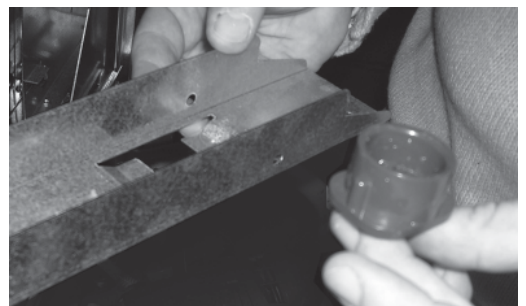
phase 4

- Unscrew the two screws securing the valve to the water reservoir bracket.



phase 5

- Remove the valve.



■ Grille for water hopper tank; Water hopper tank; Float

phase 1

- Open the front of the machine.



phase 2

- Pull the drip tray forward.



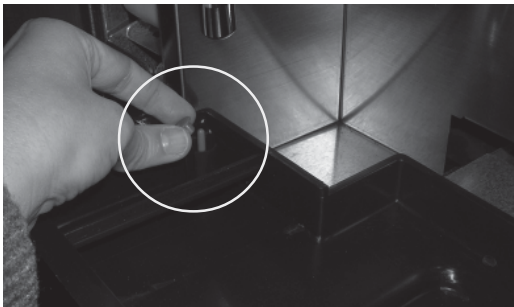
phase 3

- Remove the grille.



phase 4

- Remove the float.

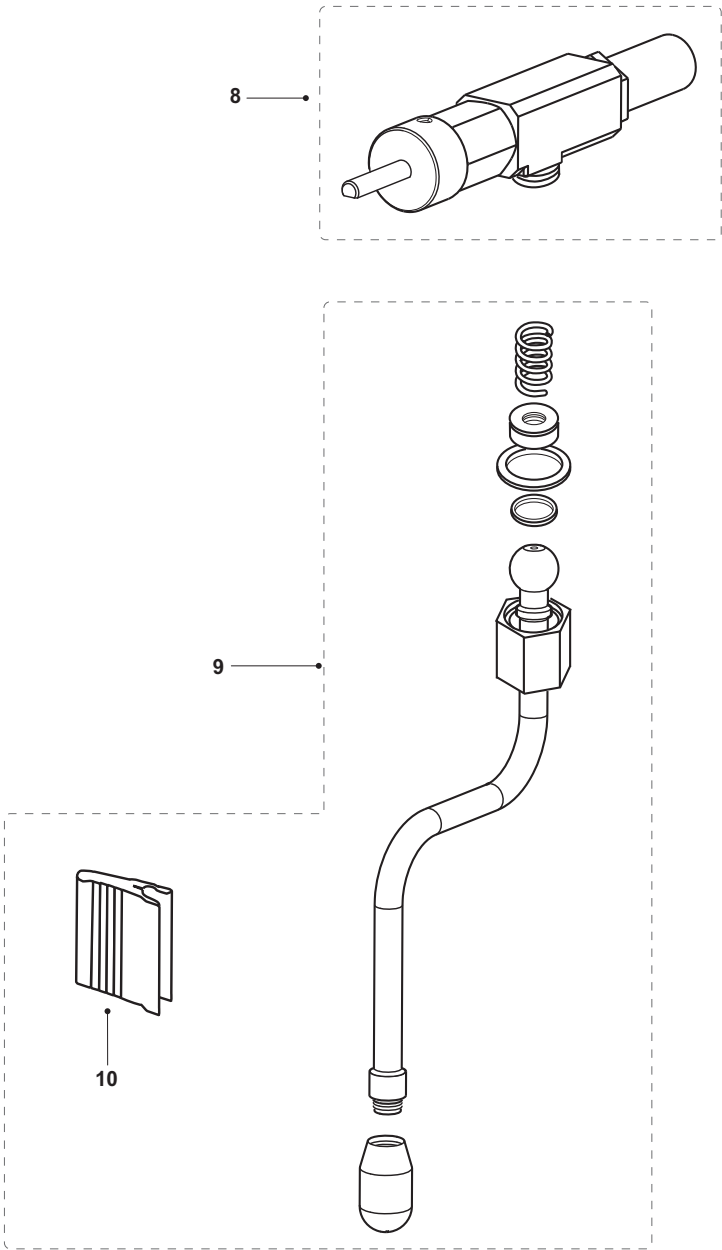


phase 5

- Remove the tray.



Exploded drawing and parts list for steam unit (11.1)



DESCRIPTION	POSITION
STEAM COCK	8
SUPPORT STEAM	9
WRAP-AROUND GRASP VAPOR CONDUIT	10



WARNING

Before carrying out any service procedure, ensure that the machine has cooled down and is not under pressure, then disconnect it from the mains power.

Replacing steam unit parts (11.2)

■ *Wrap-around grasp vapor conduit*

phase 1

Release the heat-proof grip.



phase 2

- Install the new heat-proof grip.

■ *Support steam*

phase 1

Remove the machine cover as described in the instructions in section 9 on page 24 and 25.

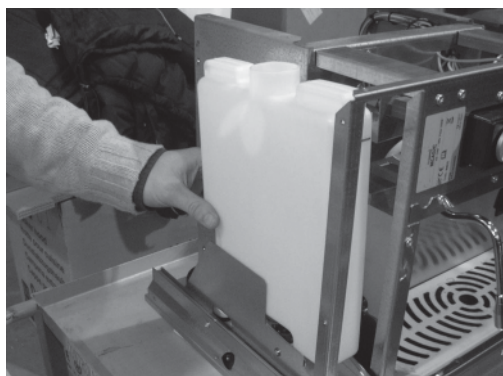
phase 2

- Open the front of the machine.



phase 3

Remove the water reservoir.



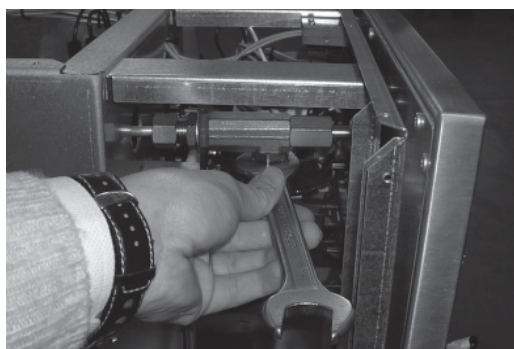
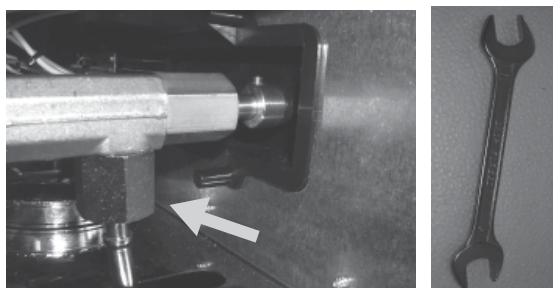
phase4

- Unscrew the end of the steam nozzle.



phase 5

- Unscrew the steam nuzzle nut using a No. 22 spanner.



phase 6

- Remove the steam nozzle from above.



■ **Steam cock**

phase 1

- Remove the machine cover as described in the instructions in section 9 on page 24 and 25.

phase 2

- . Remove the steam nozzle following the steps described on page 34 and 35.

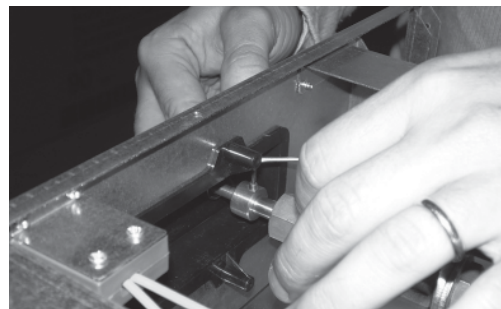
phase 3

- Remove the steam knob.



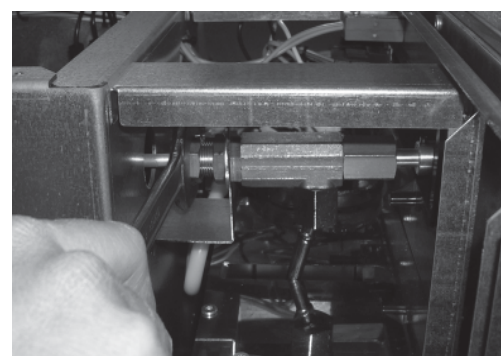
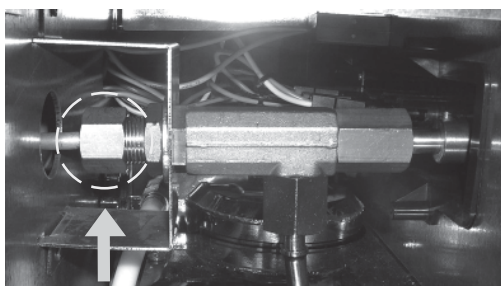
phase 4

- Using a 22 mm Allen wrench, remove the screw securing the steam tap to the structure.



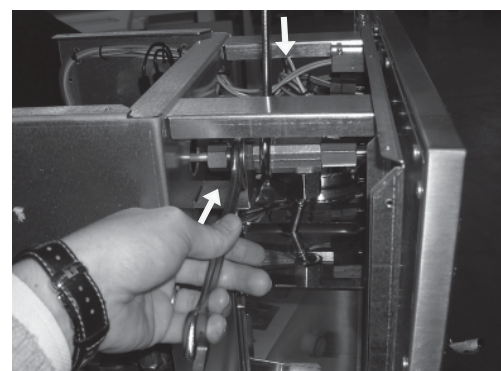
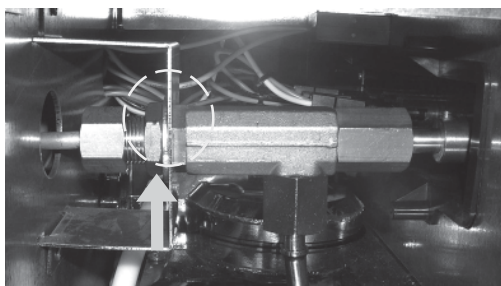
phase 5

- Using a No. 22 spanner, loosen the nut of the copper steam pipe.



phase 6

- Using a No. 22 spanner, loosen and unscrew the steam tap check nut, using another wrench of the same type to hold the opposite nut, as shown in the figure.

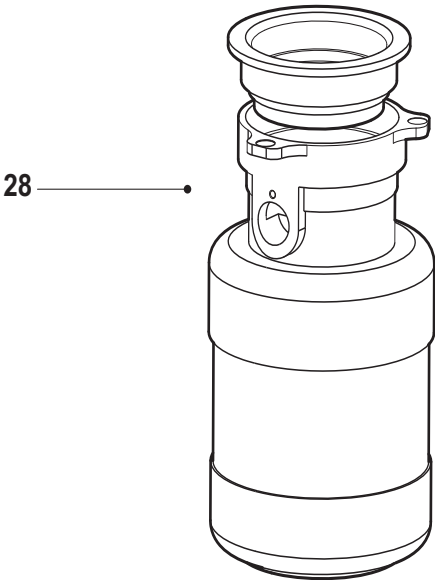
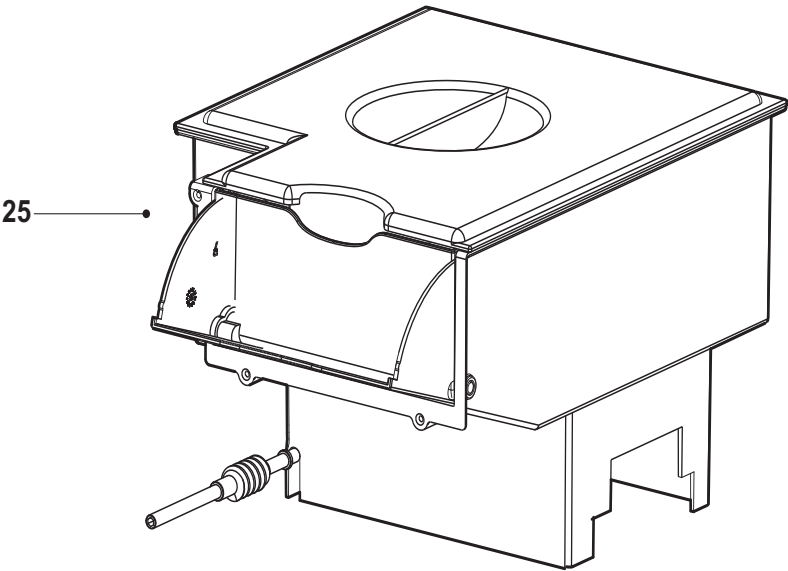


phase 7

- remove the steam tap.



Exploded drawing and parts list for the coffee grinder (12.1)



DESCRIPTION	POSITION
BIN COFFEE	25
BOX FOR BUHRSTONE MILL	28



WARNING

Before carrying out any service procedure, ensure that the machine has cooled down and is not under pressure, then disconnect it from the mains power.

Replacing coffee grinder parts (12.2)

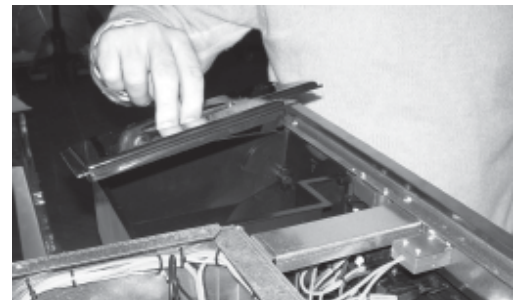
■ *Bin Coffee*

phase 1

- Remove the machine cover as described in the instructions in section 9 on page 24 and 25.

phase 2

- Remove the cover of the coffee container.



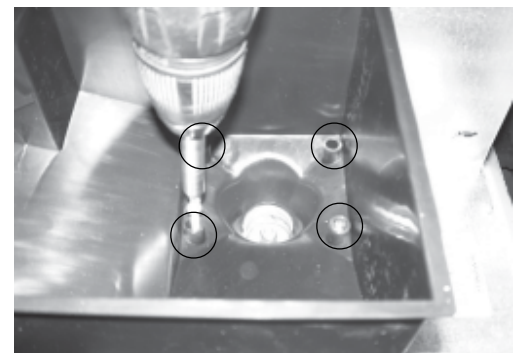
phase 3

- Remove the plastic spider.



phase 4

- Unscrew the four screws securing the coffee container to the machine structure.



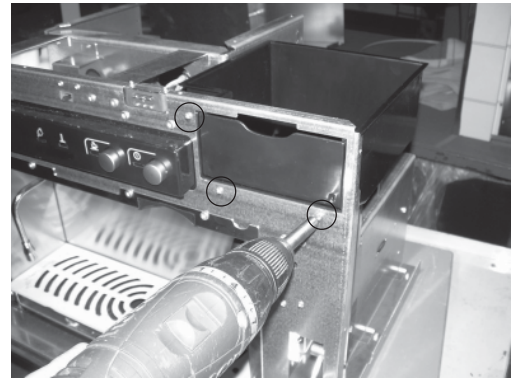
phase 5

- Open the front of the machine.



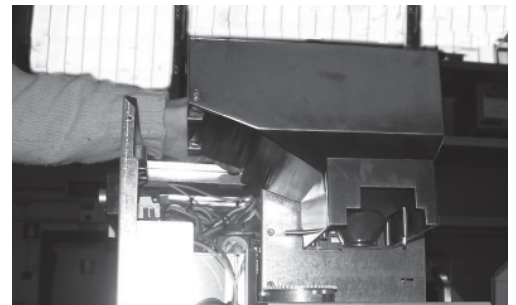
phase 6

- Unscrew the three screws securing the coffee container to the machine structure.



phase 7

- Remove the coffee container.



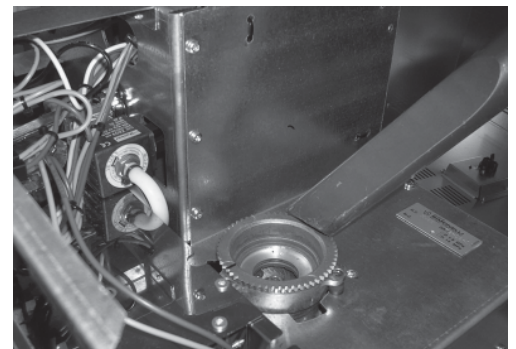
■ *Box for buhrstone mill*

phase 1

- Remove the machine cover as described in the instructions in section 9 on page 24 and 25.
- Remove the coffee container, following the instructions in section 12 on page 38 and 39.

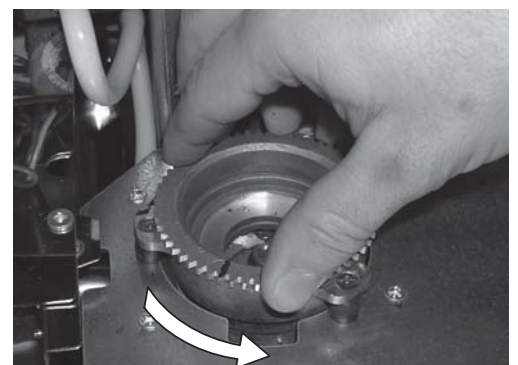
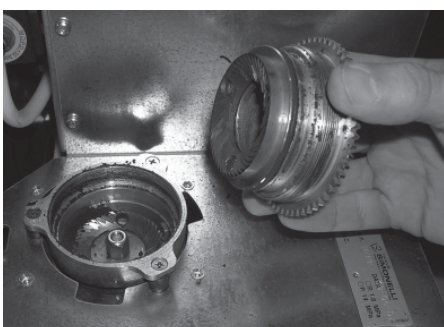
phase 2

- Vacuum any coffee residues before carrying out the procedure.



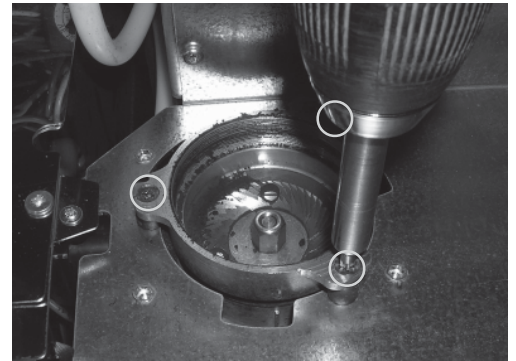
phase 3

Unscrew the top part of the coffee grinder.



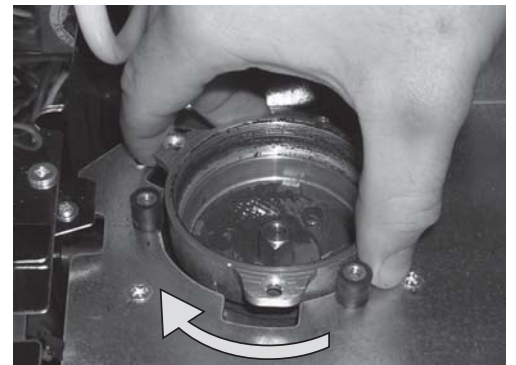
phase 4

Unscrew the three screws securing the coffee grinder to the machine structure.

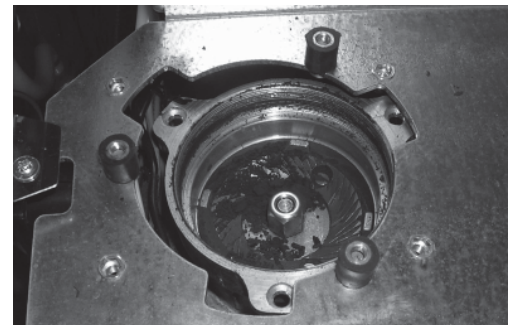


phase 5

Slightly raise the coffee grinder and rotate it so that the tabs are lined up with the slots, as shown in the figures.

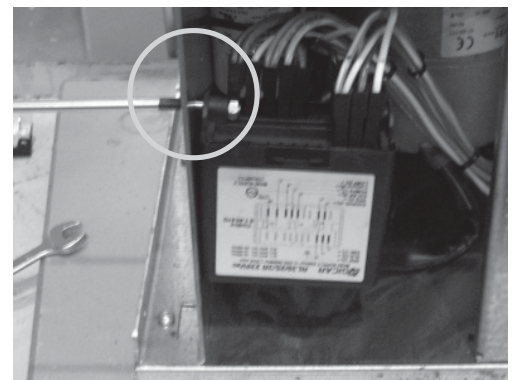
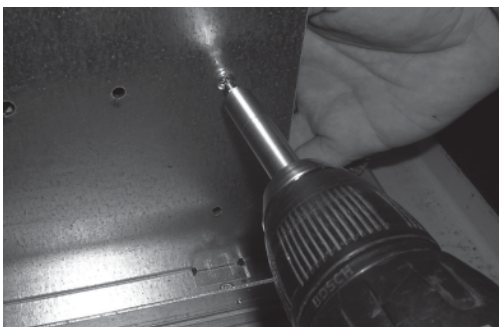


- Lower the coffee grinder, seating it in the slots.



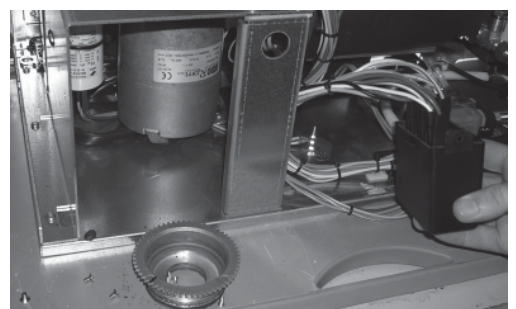
phase 6

Unscrew the screw securing the power supply.



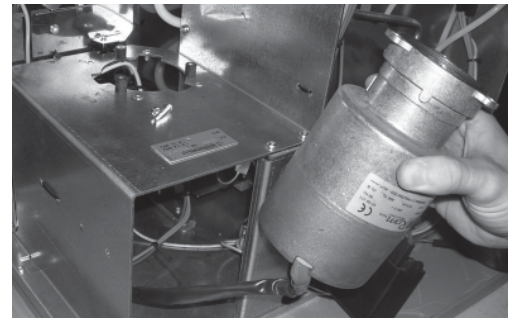
phase 7

Move the power supply so that the coffee grinder can be removed from the back.



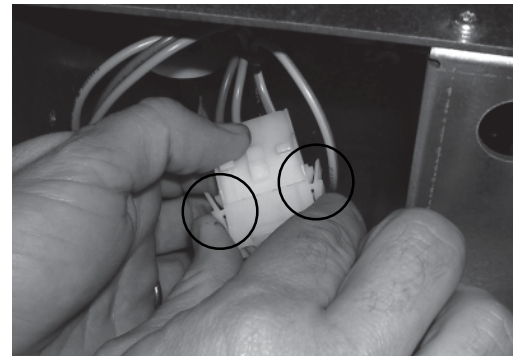
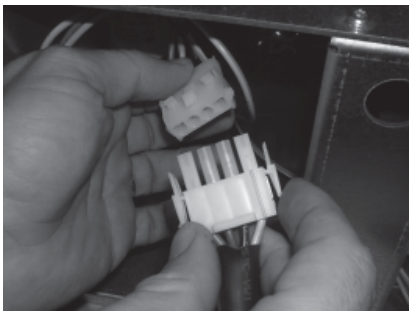
phase 8

Remove the coffee grinder.



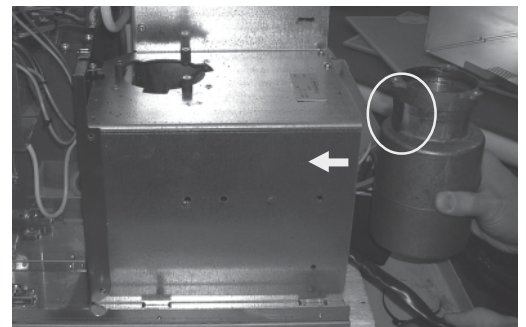
phase 9

Disconnect the quick release by applying leverage to the tabs.

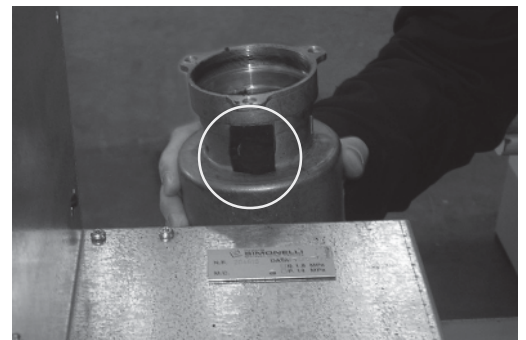


phase 10

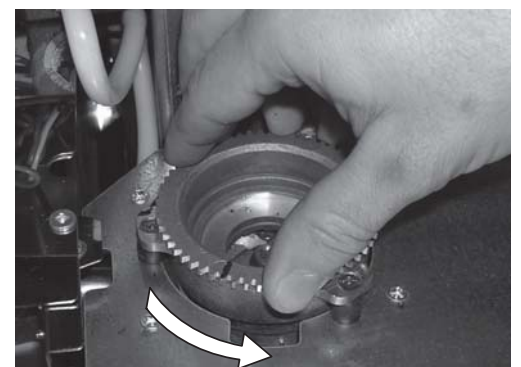
Reconnect the new coffee grinder using the quick release.



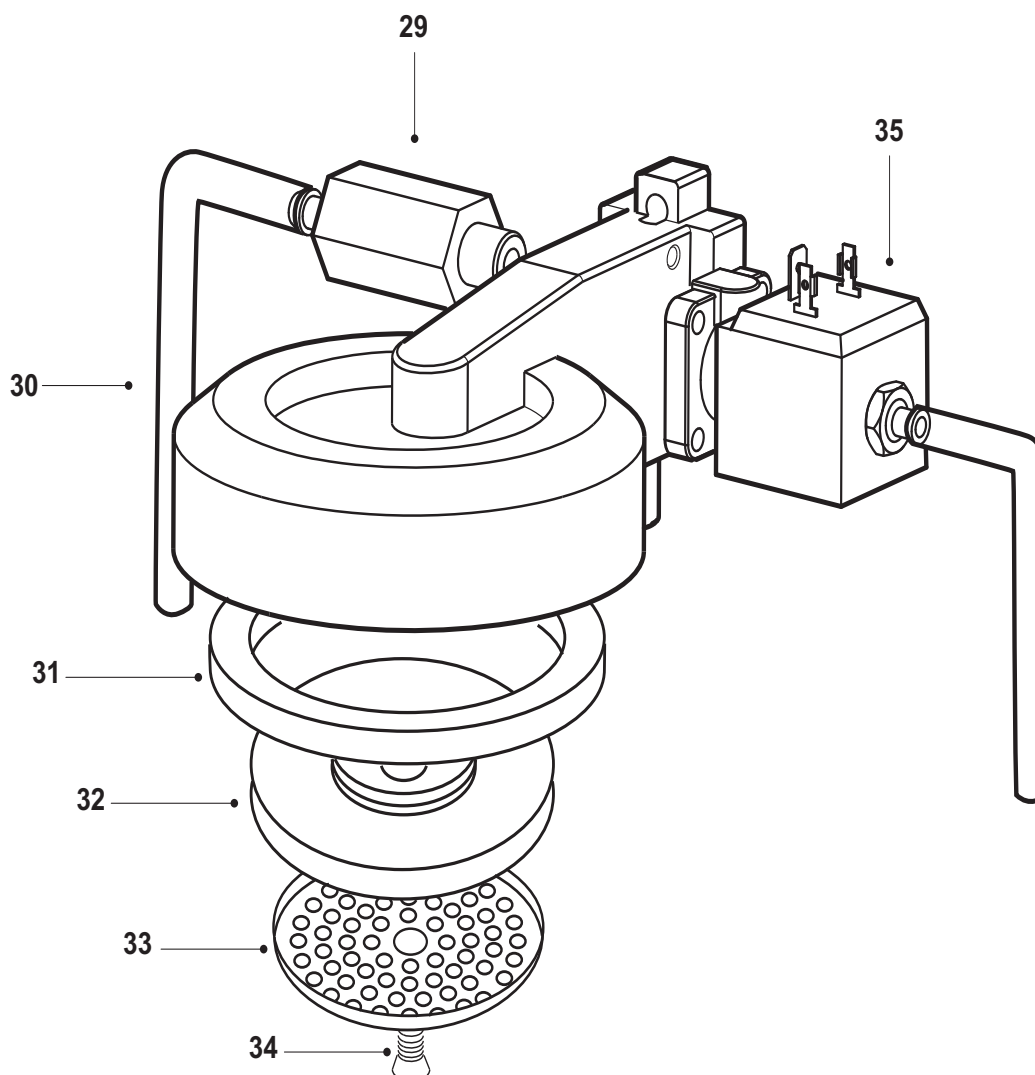
WARNING: Take care while assembling the coffee grinder to ensure that the hole is facing the machine and lined up with the distribution spout.



WARNING: Tighten the top part of the coffee grinder. Then unscrew it by a quarter turn (90°) to adjust grinding.



Exploded drawing and parts list for distribution unit (13.1)



DESCRIPTION	POSITION
NEPLAX VALVE	29
SILICONE TUBE	30
GASKET	31
PAVILON	32
GUTTER	33
SCREW M6x18	34
SOLENOID	35



WARNING

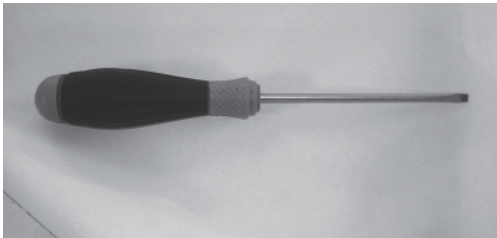
Before carrying out any service procedure, ensure that the machine has cooled down and is not under pressure, then disconnect it from the mains power.

Replacing distribution unit parts (13.2)

■ *Gutter; Pavilion; Gasket*

phase 1

- Using a flathead screwdriver, remove the screw securing the sprayer.



phase 2

- Remove the sprayer and base.

Note: The sprayer and base may be washed in warm water.



phase 3

Note: The seal may be removed without removing the sprayer.

- Using a screwdriver, release the seal as shown in the pictures.



Note: When installing the new seal, take care that the correct orientation is observed. The flat part must face upwards, as shown in the figure.



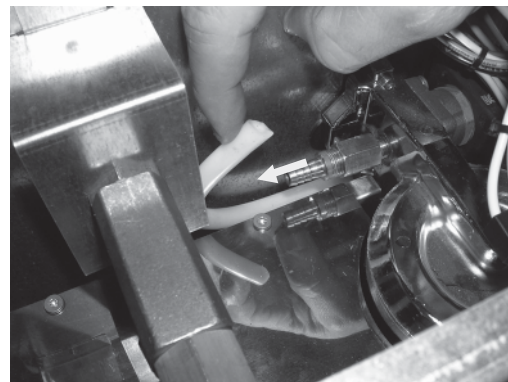
■ **Neplax valve**

phase 1

- Remove the machine cover as described in the instructions in section 11 on page 24 and 25.

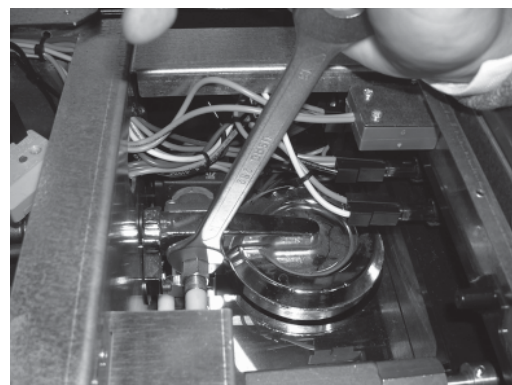
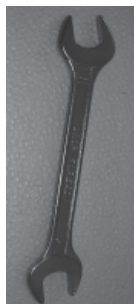
phase 2

- Release the white pipe.



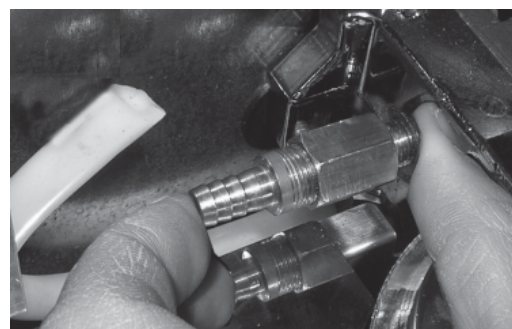
phase 3

- Loosen the nut using a No. 14 wrench.



phase 4

- Remove the valve.



■ **Solenoid**

phase 1

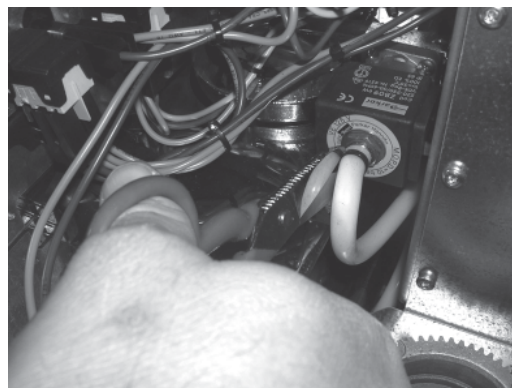
- Remove the machine cover as described in the instructions in section 9 on page 24 and 25.

phase 2

- Remove the coffee container, following the instructions in section 12 on pages 38 and 39.

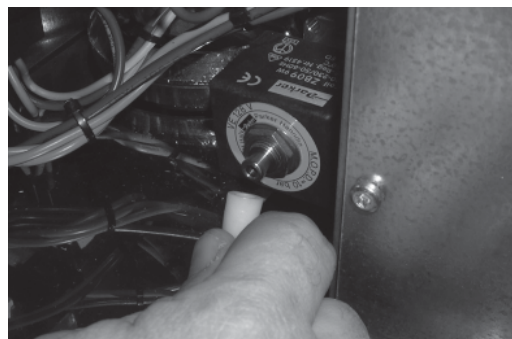
phase 3

- Cut the tie securing the white pipe to the electrically-operated valve.



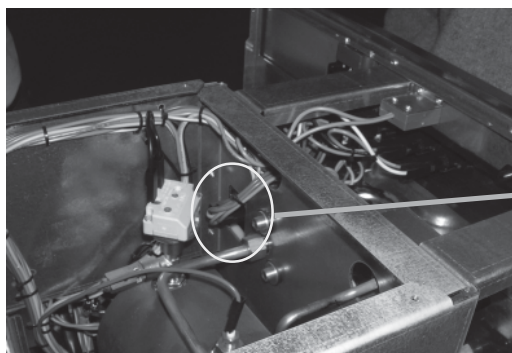
phase 4

- Remove the pipe.

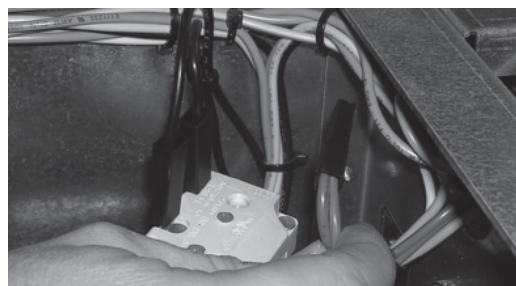


phase 5

- Release the connectors located behind the electrically-operated valve.

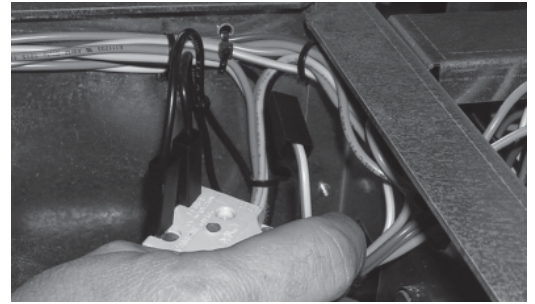


- Disconnect the red wire.



Distribution Unit

- Disconnect the yellow/green Earth wire.

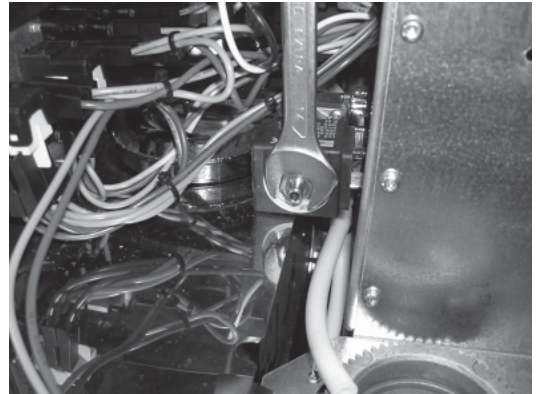


- Disconnect the blue wire.



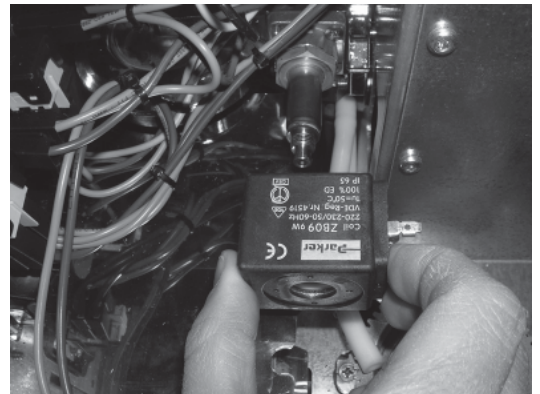
phase 6

- Using a No. 14 Allen wrench, loosen the nut shown in the figure.



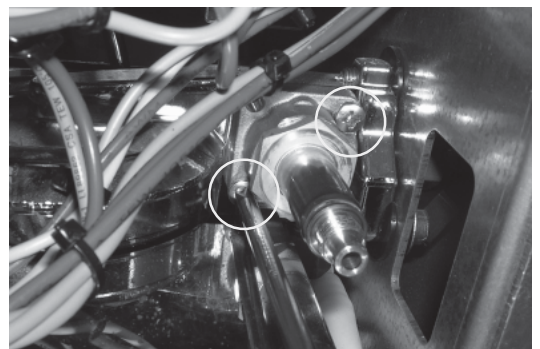
phase 7

- Pull out the electrically-operated valve.



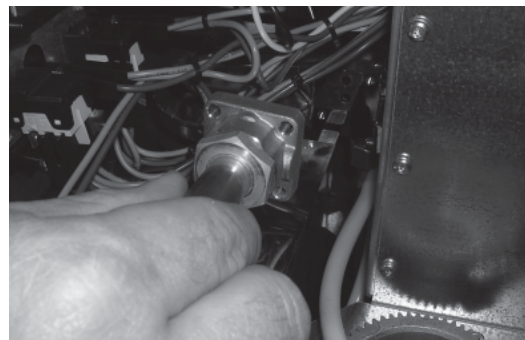
phase 8

- Using a crosshead screwdriver, unscrew the two screws as shown in the figure.

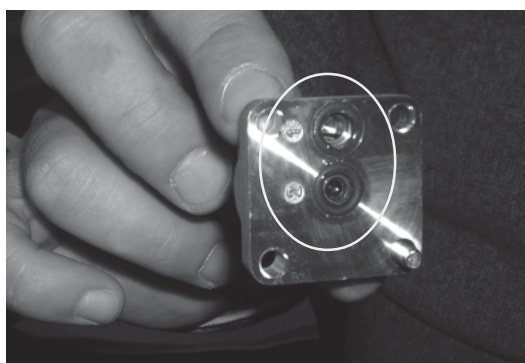
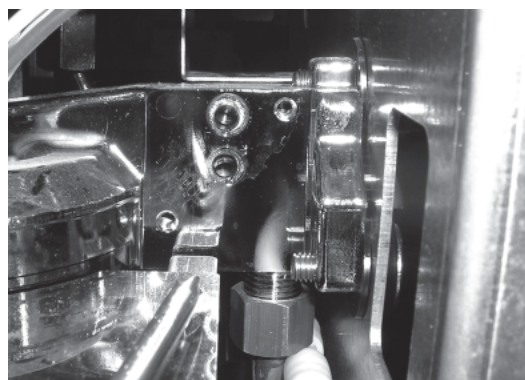


phase 9

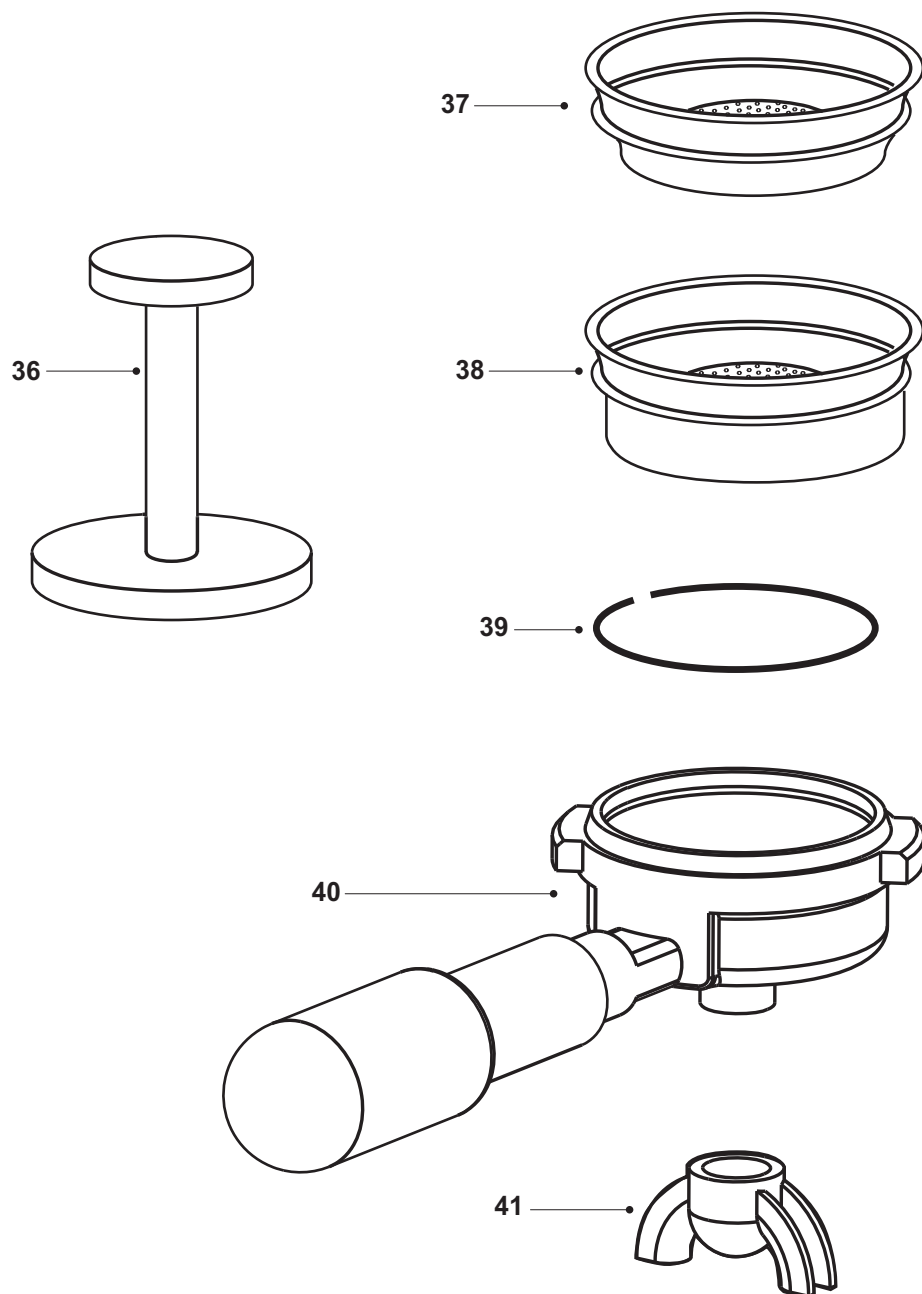
- Remove the bracket for the electrically-operated valve.



Note: Be aware of the holes when installing the new electrically-operated valve. The hole marked "1" must face upwards, as shown in the figure.

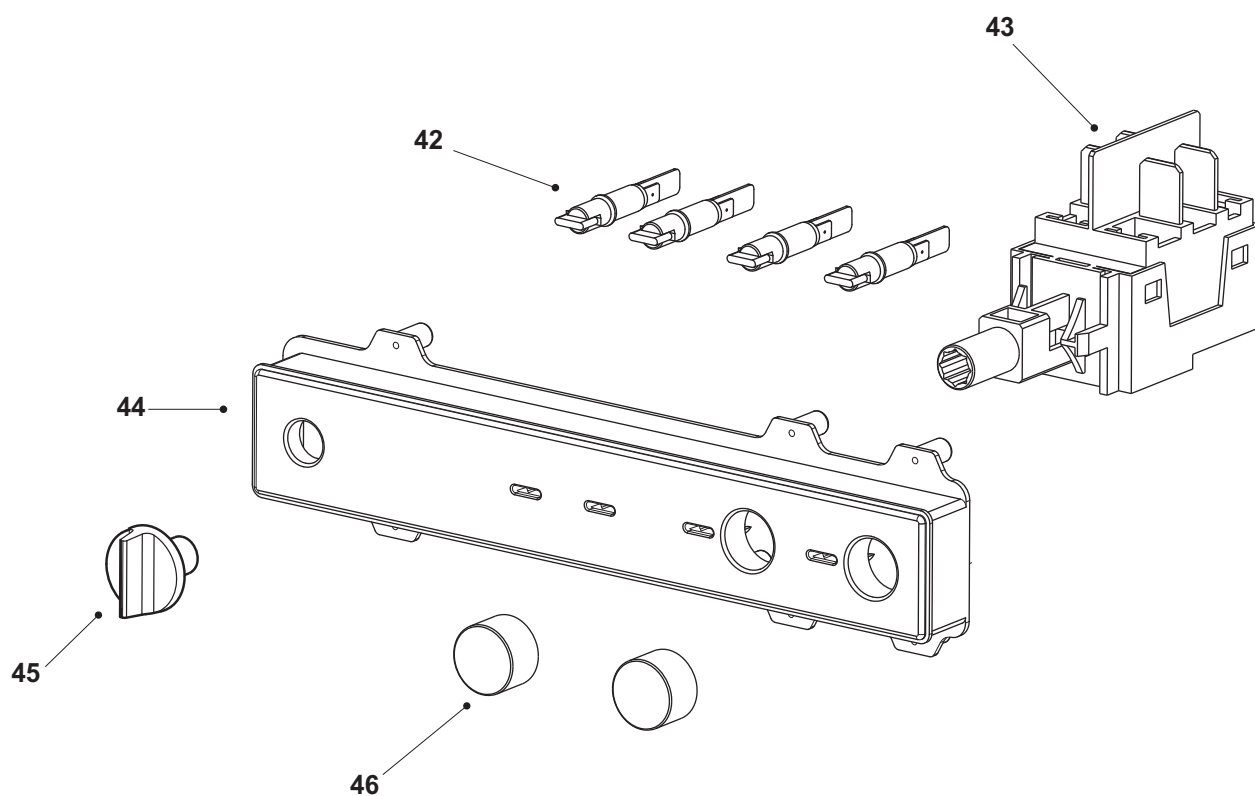


Exploded drawing and parts list for supplied kit (14.1)



DESCRIPTION	POSITION
COFFEE PRESS	36
COFFEE ONE FILTER	37
COFFEE TWO FILTER	38
LOCK SPRING FILTER	39
FILTER	40
TWO EXIT BEAK	41

Exploded drawing and parts list for control unit (15.1)



DESCRIPTION	POSITION
RED DIAL LAMP	42
INTERRUPTER	43
CONTROL COMMAND	44
SUPPORT STEAM KNOB	45
INTERRUPTER KEY	46



WARNING

Before carrying out any service procedure, ensure that the machine has cooled down and is not under pressure, then disconnect it from the mains power.

Replacing control group parts (15.2)

■ *Support steam knob*

phase 1

- Slide off the knob.

Note: Do not use a screwdriver, or any other tool, as doing so may cause damage to the control faceplate.



phase 2

- Install the new knob.



■ *Interrupter key*

phase 1

- Slide off the button.



phase 2

- Install the new button.



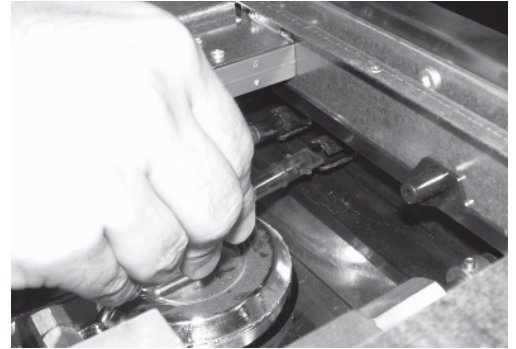
■ *Red dial lamp*

phase 1

- Remove the machine cover as described in the instructions in section 9 on page 24 and 25.

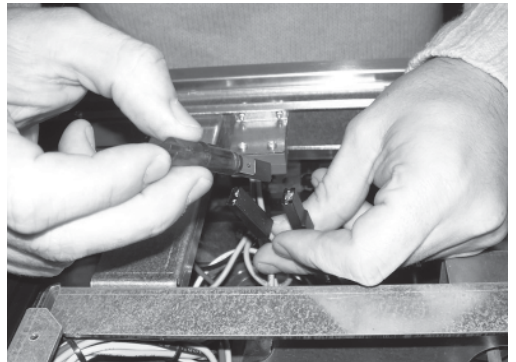
phase 2

- Remove the indicator light that needs to be replaced, located behind the control faceplate.



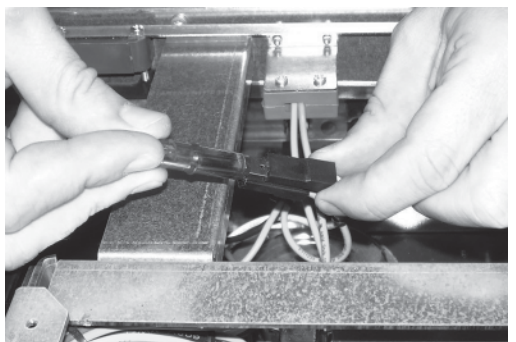
phase 3

- Release the fastons from the indicator light.



phase 4

- Connect the new indicator light to the two fastons.



phase 5

- Install the indicator light in the mask.



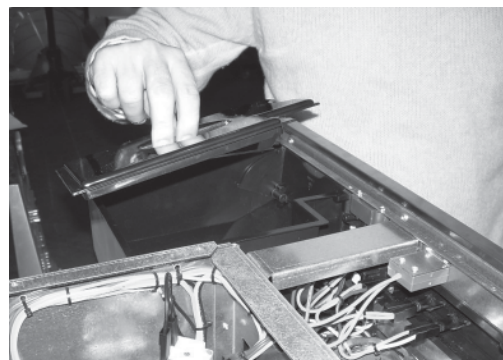
■ *Interrupter*

phase 1

- Remove the machine cover as described in the instructions in section 9 on page 24 and 25.

phase 2

- Remove the cover of the coffee container.



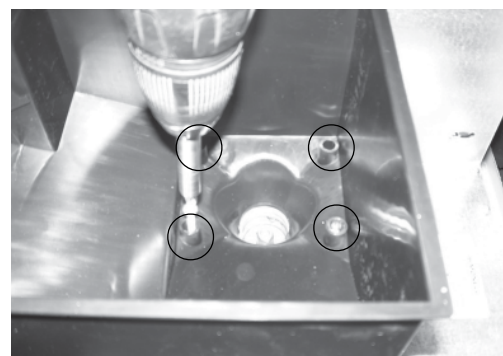
phase 3

- Remove the plastic spider.



phase 4

- Unscrew the four screws securing the coffee container to the machine structure.



phase 5

- Open the front of the machine.



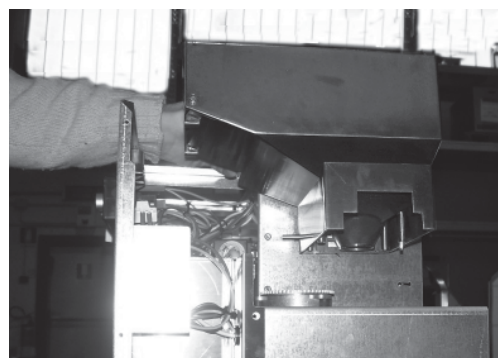
phase 6

- Unscrew the three screws securing the coffee container to the machine structure.



phase 7

- Remove the coffee container.



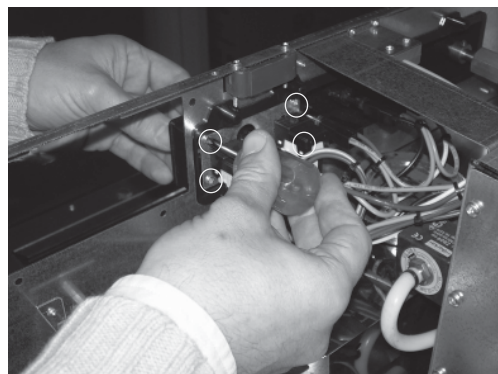
phase 8

- Remove the two buttons.



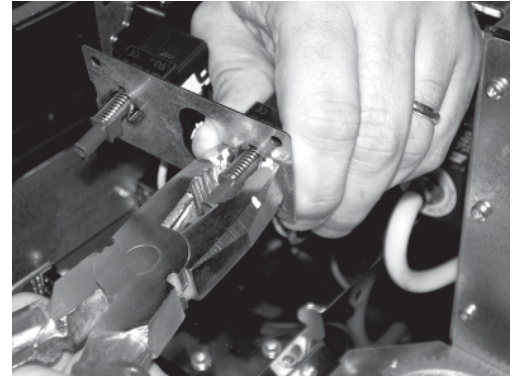
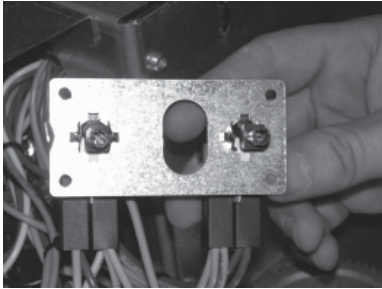
phase 9

- Using a short screwdriver, unscrew the four screws securing the switch to the structure.



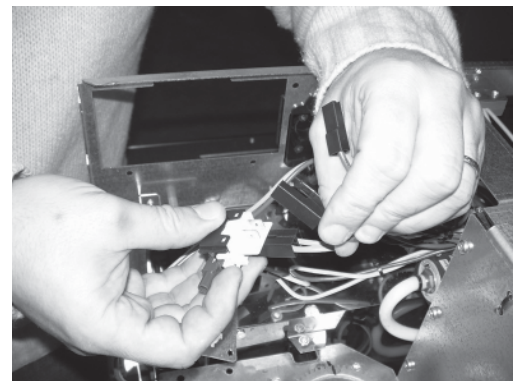
phase10

- Using pliers, apply pressure to the tabs to remove the switch.



phase11

- Disconnect the wires.



phase12

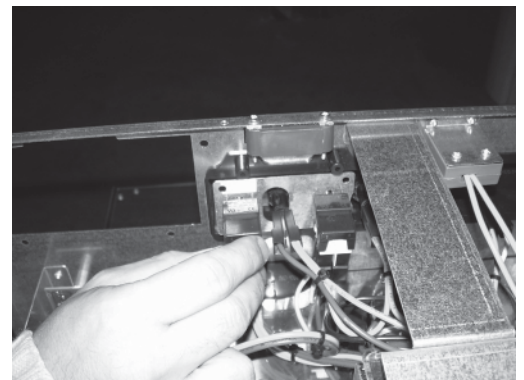
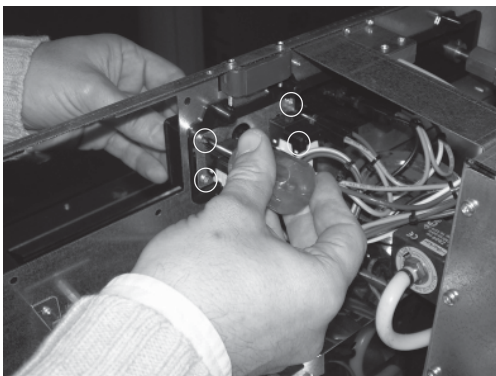
- The new switch should be connected to the previously disconnected wires.

phase13

- Install the new switch in the mounting bracket.

phase14

- Screw the control bracket to the control faceplate.



■ **Control command**

phase 1

- Remove the machine cover as described in the instructions in section 9 on pages 24 and 25.

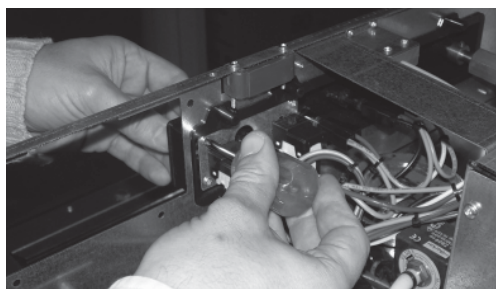
phase 2

- Remove the knob and the two buttons.



phase 3

- Using a short screwdriver, unscrew the four screws securing the switch to the structure.



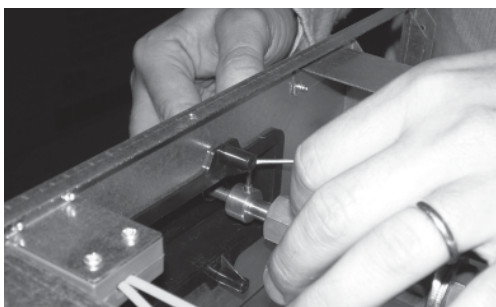
phase 4

- Remove the indicator lights that are secured to the faceplate.



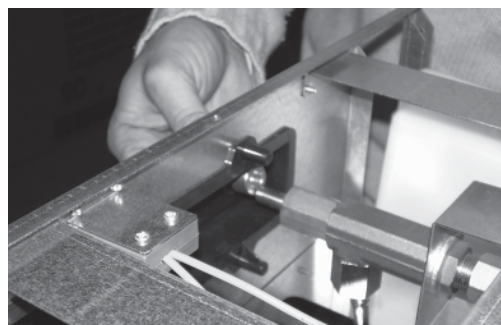
phase 5

- Using a 2 mm Allen wrench, remove the screw securing the coffee distributor extension.



phase 6

- Remove the coffee distributor extension.



phase 7

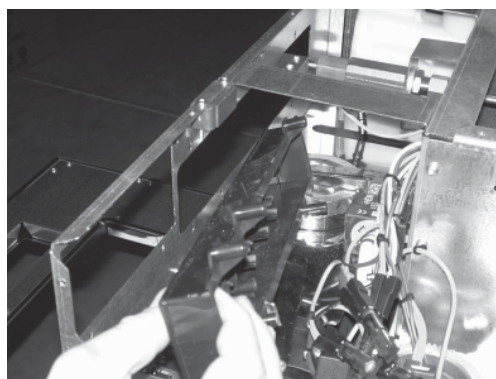
- Using a screwdriver, remove the six screws securing the control faceplate to the structure.



phase 8

- Install the new control faceplate and tighten the six screws.

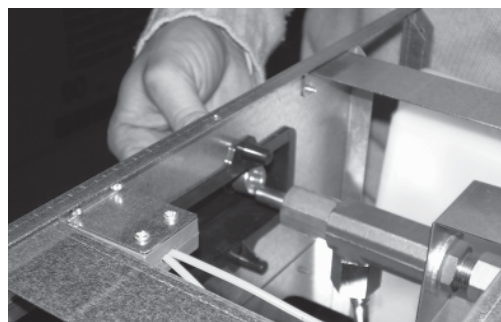
Note: Take care to centre the control faceplate on the panel.



phase 9

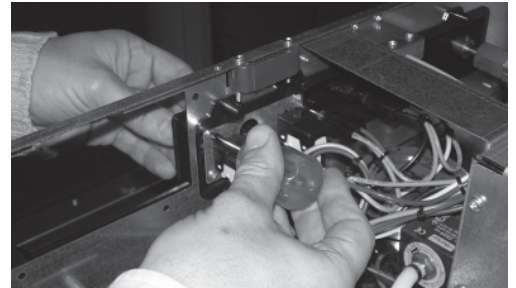
- Reinstall the steam extension.

Note: Before securing the steam extension, install the knob and centre it with the markings on the control faceplate.



phase 10

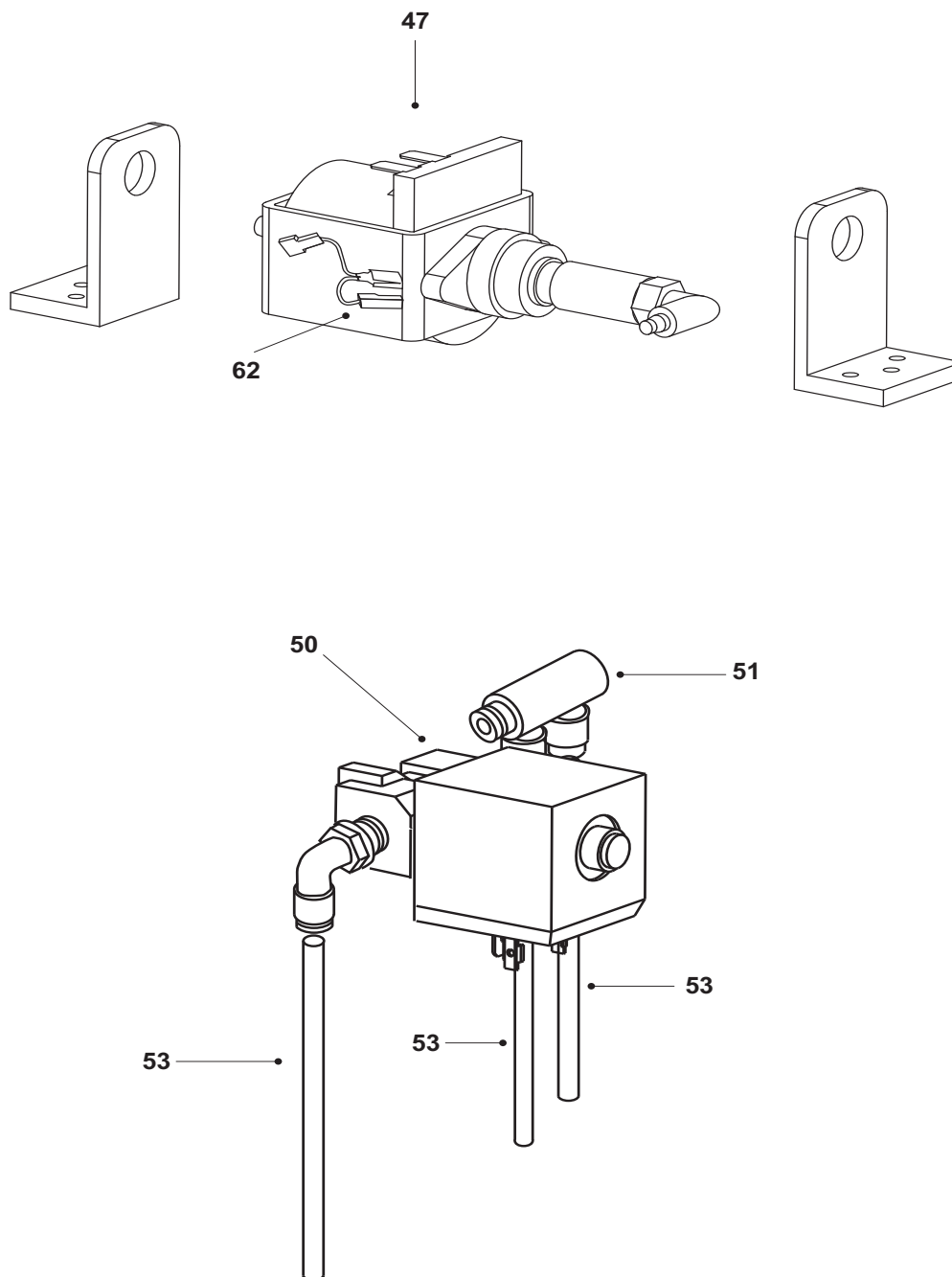
Reinstall the indicator lights. Tighten the four screws securing the switch to the control faceplate.



phase 11

Install the buttons and the steam knob.

Exploded drawing and parts list for the hydraulic/pump unit (16.1)



DESCRIPTION	POSITION
ELECTRICAL PUMP	47
SOLENOID TWO EXIT	50
TURNOUT DUPLEX	51
TEFLON TUBE	53
TERMOPROTETTORE	62



WARNING

Before carrying out any service procedure, ensure that the machine has cooled down and is not under pressure, then disconnect it from the mains power.

Replacing Hydraulic/Pump Unit (16.2)

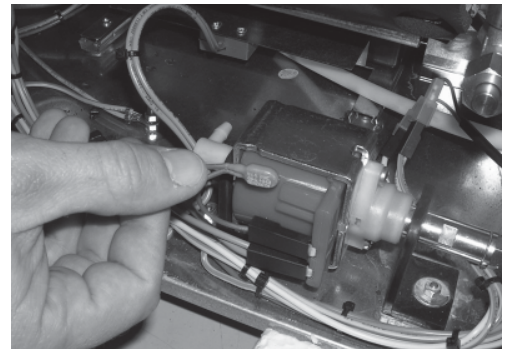
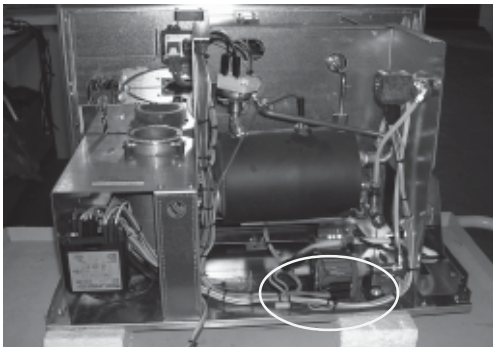
■ Thermal protection

phase 1

- Remove the machine cover as described in the instructions in section 9 on page 24 and 25.

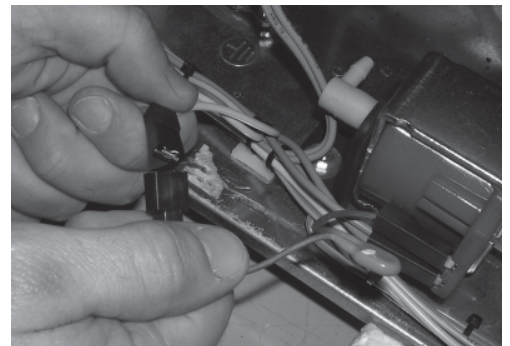
phase 2

- Remove the thermal protection from the pump.



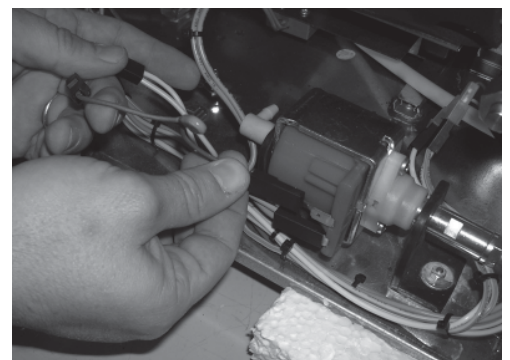
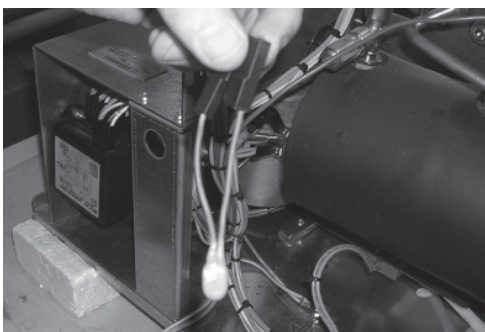
phase 3

- Remove the thermal protection's first faston from the yellow wire.



phase 4

- Remove the faston from the thermal protection's brown wire, which is connected directly to the pump.



phase 5

- Reconnect the new thermal protection.

Note: There is no polarity for the two thermal protection's connectors. When replacing the thermal protection, the new one should meet the following specifications: T90 Self-Resetting.

■ *Electical pump*

phase 1

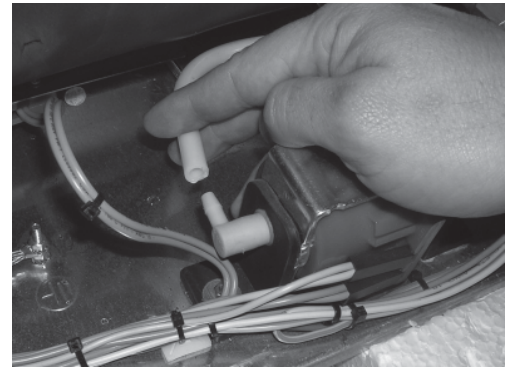
- Remove the machine cover as described in the instructions in section 9 on pages 24 and 25.

phase 2

- Remove the thermal protection following the steps on page 59.

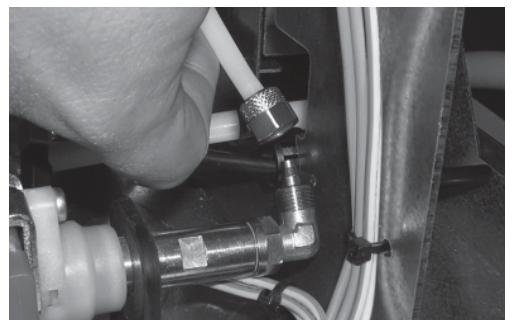
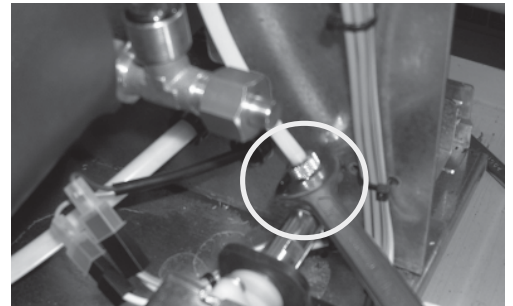
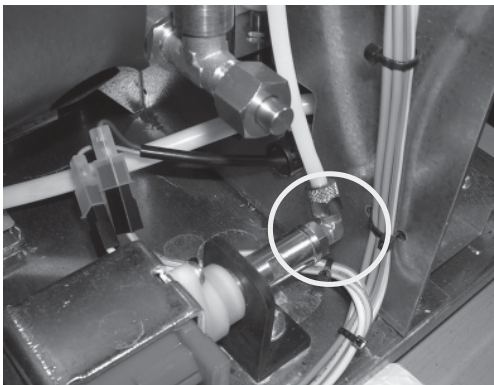
phase 3

- Disconnect the white water pipe.



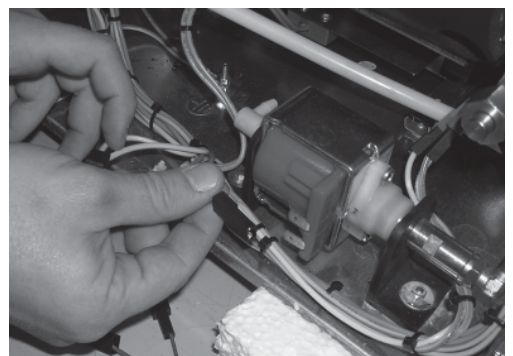
phase 4

- Using a No. 12 wrench, remove the nut securing the white pipe that connects the pump to the water treatment unit.



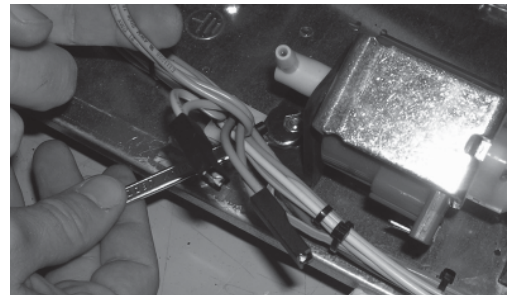
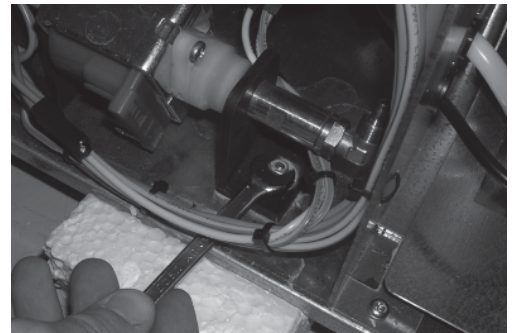
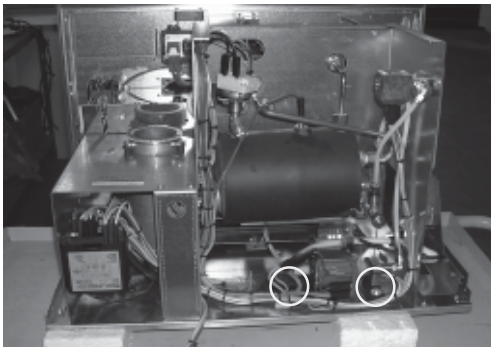
phase 5

- Disconnect the light blue wire.



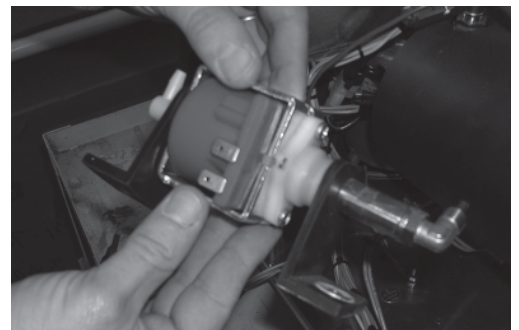
phase 6

- Using a No. 7 wrench, unscrew the two nuts securing the pump.



phase 7

- Pull out the pump.



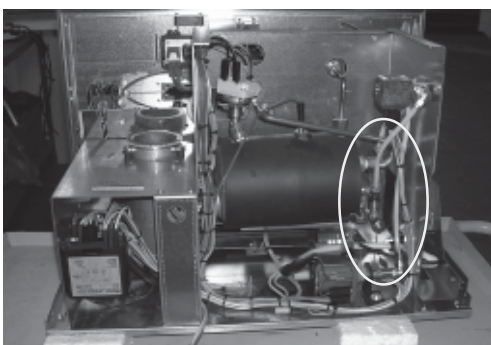
■ Solenoid two exit

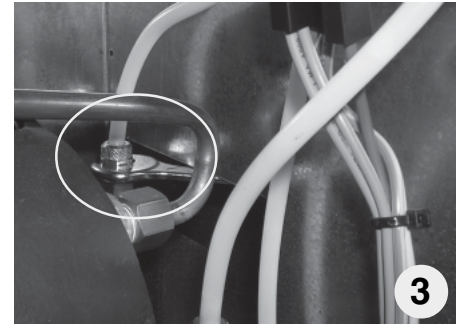
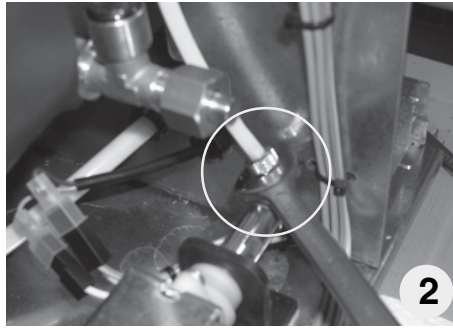
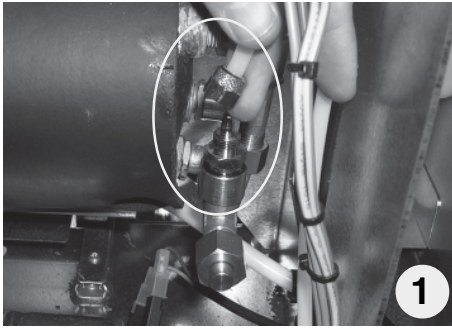
phase 1

- Remove the machine cover as described in the instructions in section 9 on pages 24 and 25.

phase 2

- Using a No. 12 wrench, loosen and remove the nuts securing the three white pipes originating from the hydraulic unit.

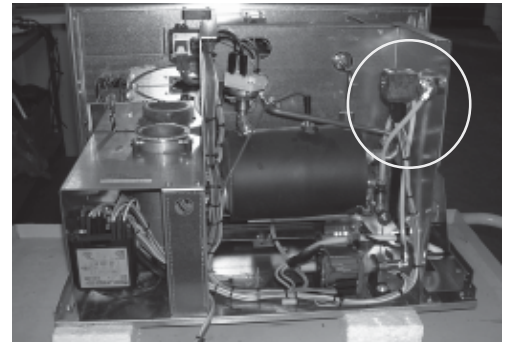




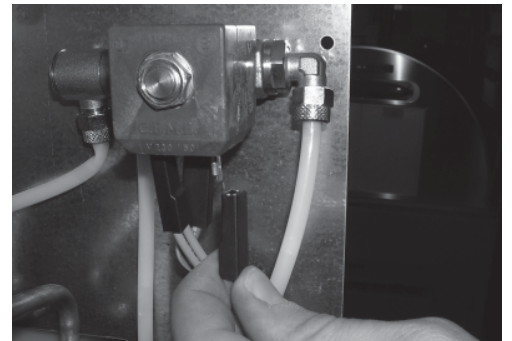
Note: To facilitate disconnection of the third pipe, remove the water reservoir and insert the wrench from the exterior, as shown in the figure.

phase 3

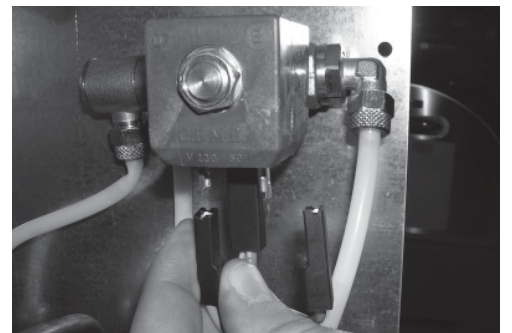
- Disconnect the fastons on the electronically-operated valve:



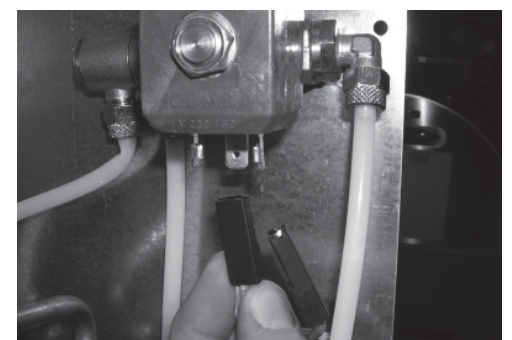
- Disconnect the faston on the red wire.



- Disconnect the faston on the blue wire.

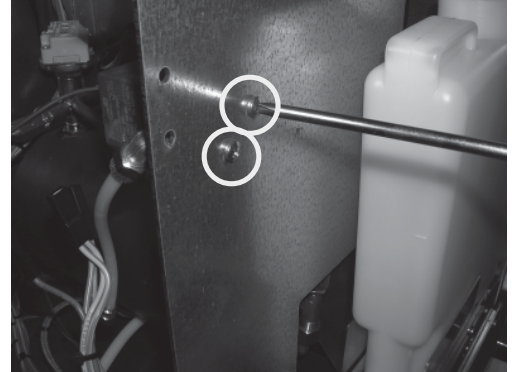


- Remove the faston on the yellow/green wire.



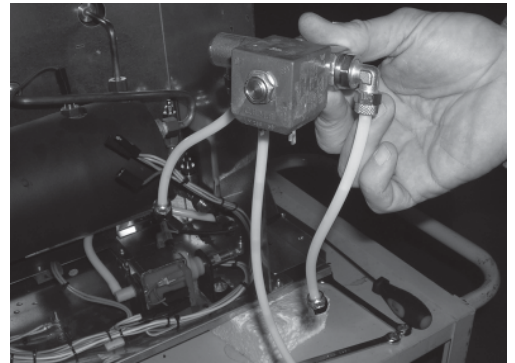
phase 4

- Unscrew the two screws on the outside of the structure that secure the hydraulic unit.

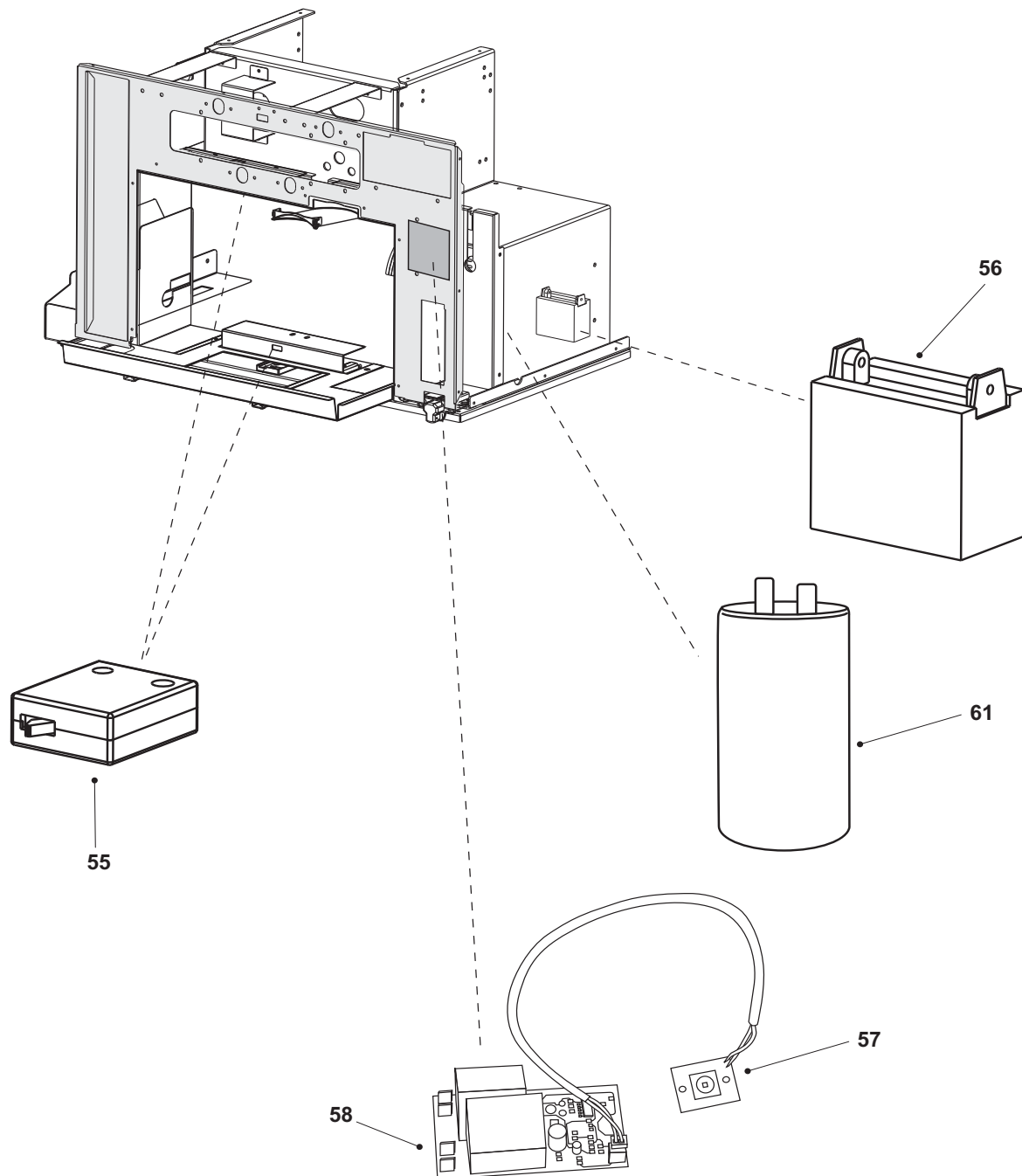


phase 5

- Remove the hydraulic unit.



Exploded drawing and parts list for electrical components (17.1)



DESCRIPTION	POSITION
DIP SWITCH	55
GENERIC SWITCH	56
INTERRUPTER COFFEE PAN CRUSHER	57
ELECTRICAL CARD	58
CONDENSER	61



WARNING

Before carrying out any service procedure, ensure that the machine has cooled down and is not under pressure, then disconnect it from the mains power.

Replacing electrical components (17.2)

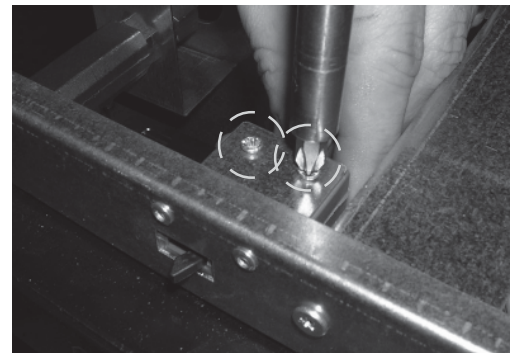
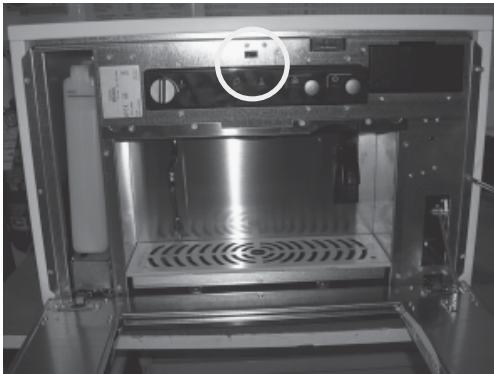
■ *Dip switch*

phase 1

- Remove the machine cover as described in the instructions in section 9 on pages 24 and 25.

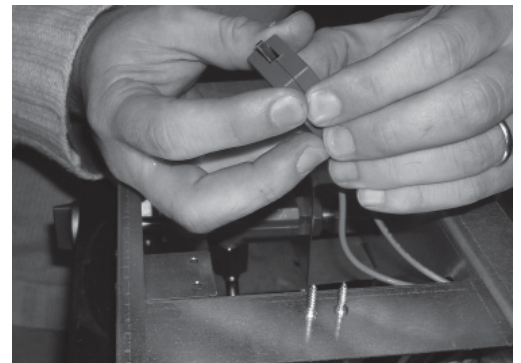
phase 2

- Unscrew the two screws securing the switch to the machine structure.



phase 3

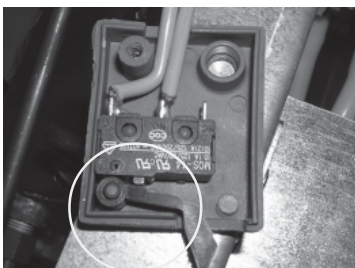
- Remove the switch.



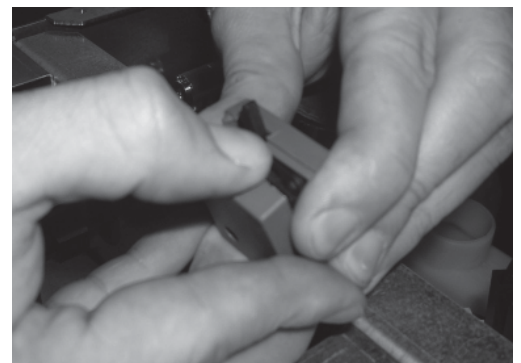
phase 4

- Open the switch by removing the box.

Note: When the wires are soldered again, the switch should be set to "normally open".



Note: Ensure that the micro-switch is positioned near the fulcrum of the micro-lever, as shown in the figure.



■ *Dip switch*

phase 1

- Pull the drip tray forward.



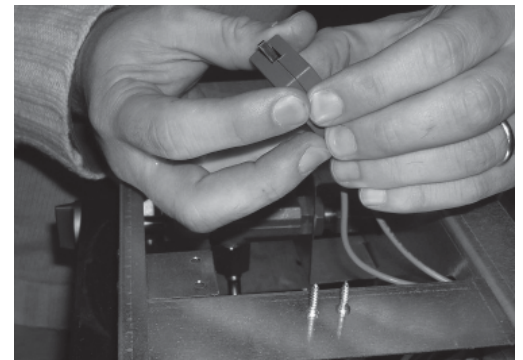
phase 2

- Unscrew the two screws.



phase 3

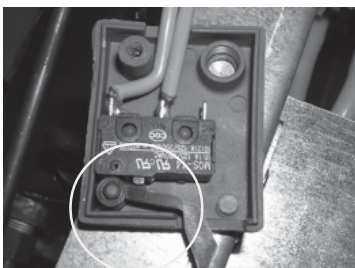
- Remove the switch.



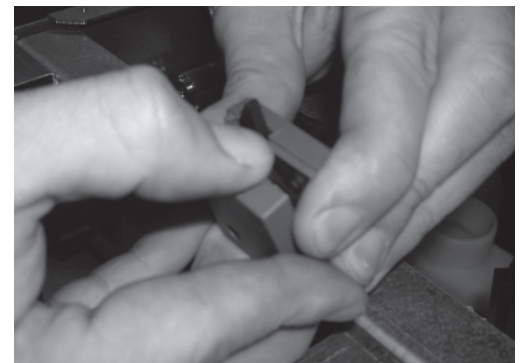
phase 4

- Open the switch by removing the box.

Note: When the wires are soldered again, the switch should be set to "normally open".



Note: Ensure that the micro-switch is positioned near the fulcrum of the micro-lever, as shown in the figure.



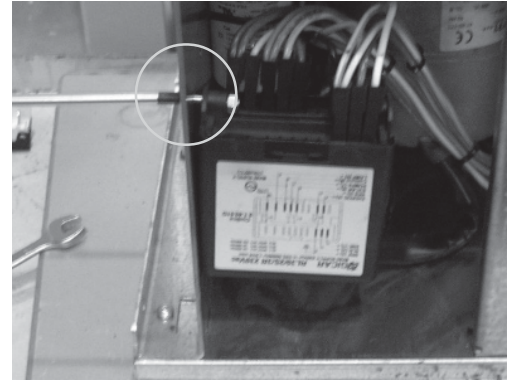
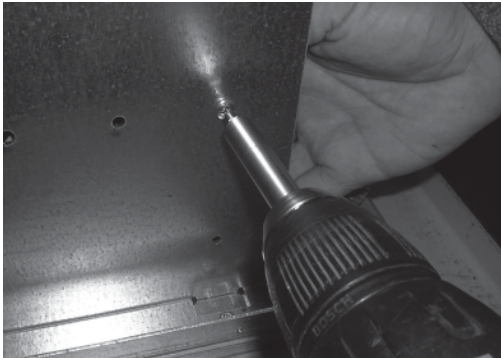
■ **Generic switch**

phase 1

- Remove the machine cover as described in the instructions in section 9 on pages 24 and 25.

phase 2

Unscrew the screw securing the power supply.



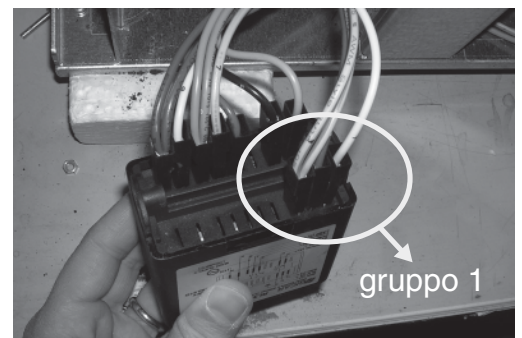
phase 3

- Remove the power supply.

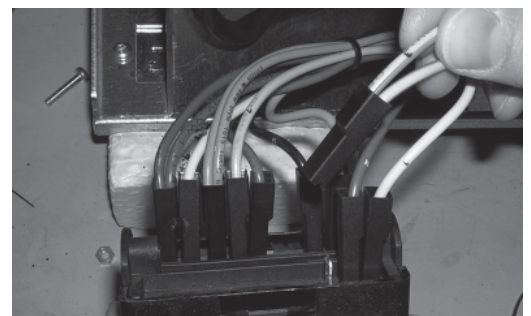


phase 4

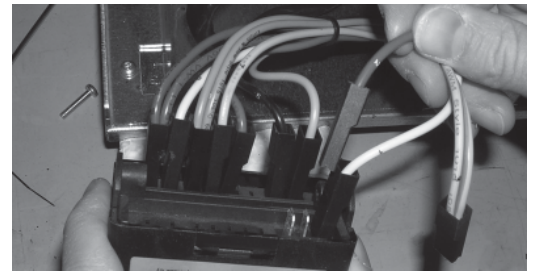
- Disconnect the group 1 wires starting from left to right:



1_Disconnect the Earth wires (yellow/green) numbered 3.



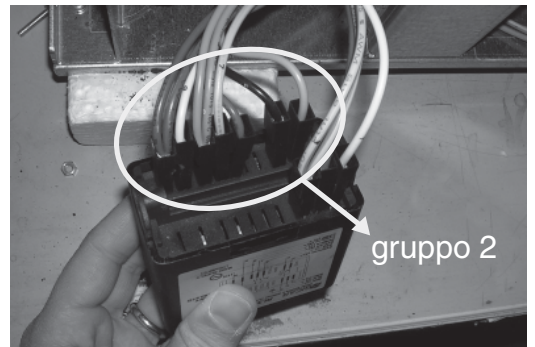
2_Disconnect the red wire numbered 2.



3_Disconnect the white wire numbered 1.



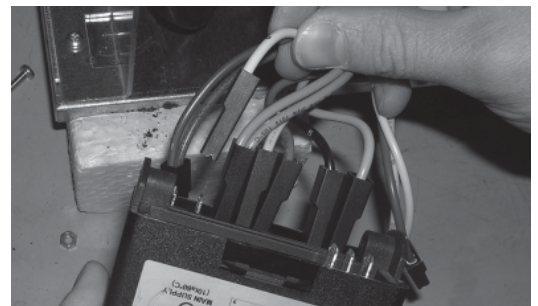
- Disconnect the group 2 wires starting from left to right:



1_Disconnect the faston with the two brown wires numbered 10.



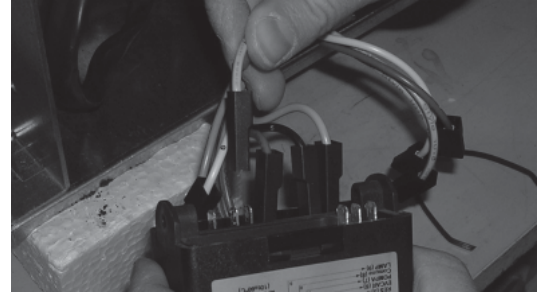
2_Disconnect the faston with the white wire numbered 9.



3_Disconnect the faston with the two blue wires numbered 8.



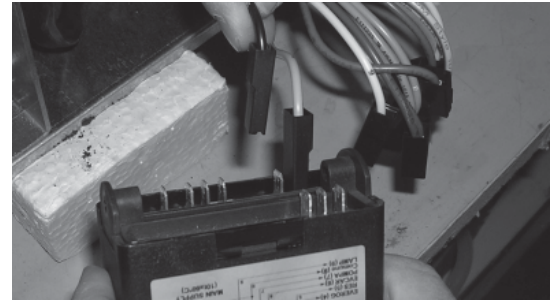
4_Disconnect the faston with the yellow wire numbered 7.



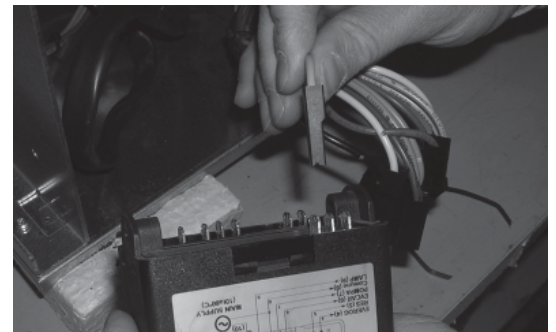
5_Disconnect the faston with the red wire numbered 6.



6_Disconnect the faston with the black wire numbered 5.



7_Disconnect the faston with the grey wire numbered 4.

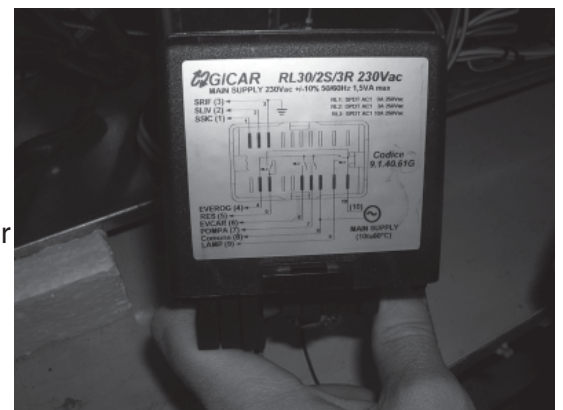


phase 5



WARNING:

To reconnect the wires, follow the electrical diagram on the power supply label.



■ **Electrical card**

phase 1

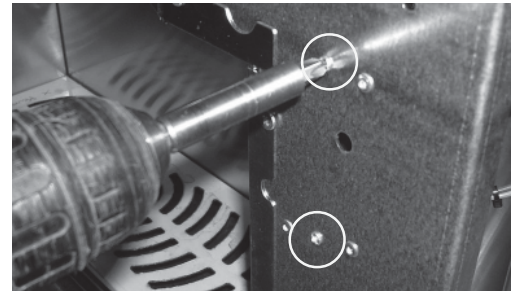
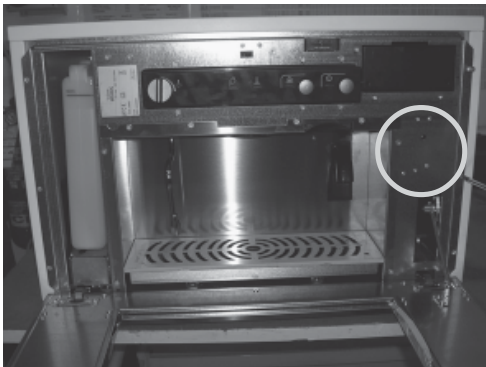
- Remove the machine cover as described in the instructions in section 9 on pages 24 and 25.

phase 2

- Remove the coffee container, following the instructions in section 12 on pages 38 and 39.

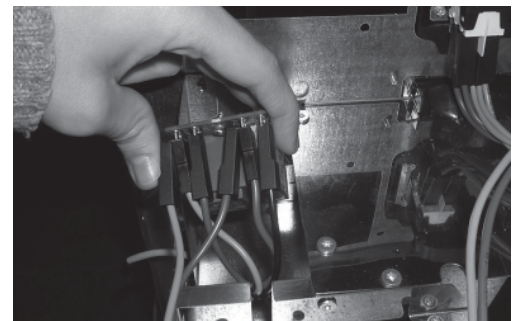
phase 3

- Unscrew the two screws securing the electronic board.



phase 4

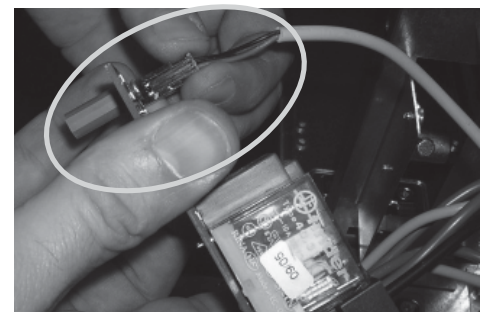
- Remove the electronic board.



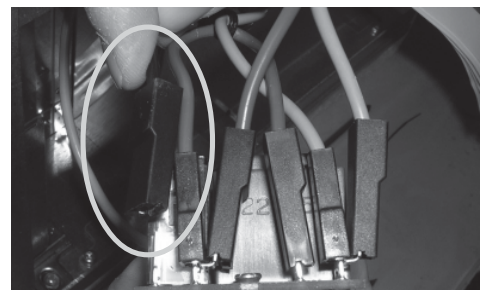
phase 5

- Disconnect the fast connectors as shown in the sequence of pictures:

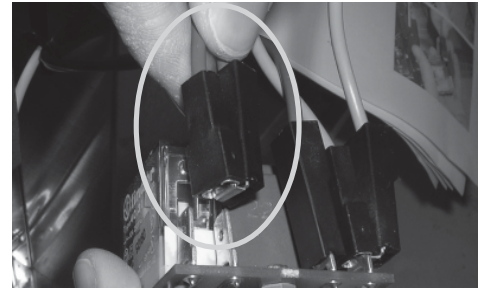
1_Cable with a white sheathe and two wires (black and red).



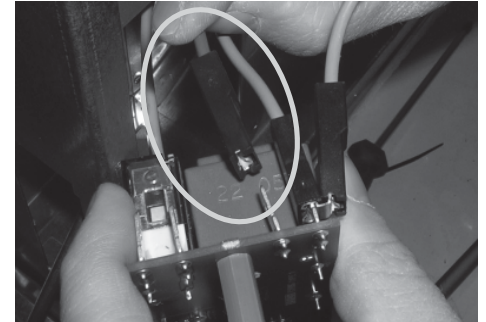
2_Black cable.



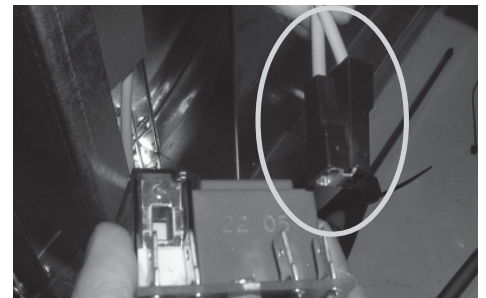
3_Faston with 2 brown wires



4_Brown cable



5_Faston with two light blue cables



■ *Condenser*

Note: Before replacing the capacitor, ensure that:

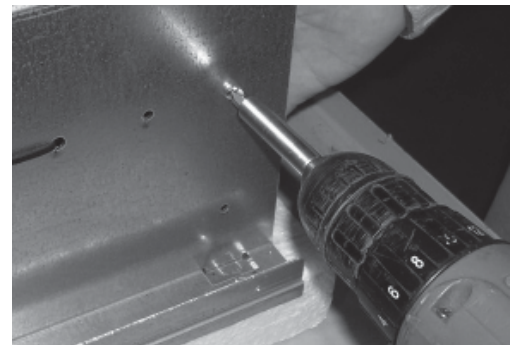
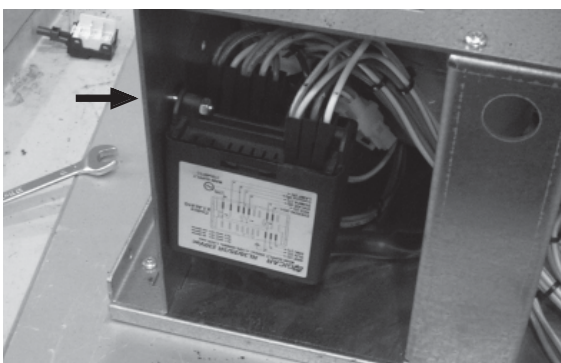
- 1_The coffee grinder is not blocked with any material other than coffee. If so, try cleaning the coffee grinder by vacuuming any residues.
- 2_The coffee grinder is powered on.
- 3_The coffee grinder is not running.

phase 1

- Remove the machine cover as described in the instructions in section 9 on pages 24 and 25.

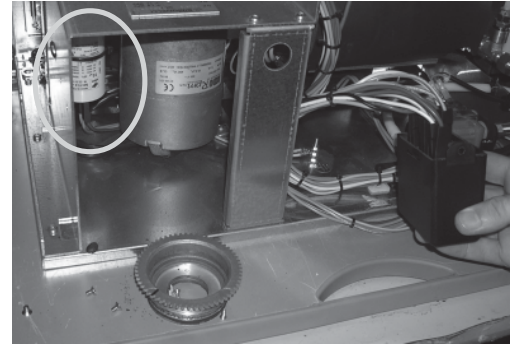
phase 2

- Unscrew the power supply screw on the coffee machine side.



phase 3

- Remove the power supply so that the capacitor can be accessed.



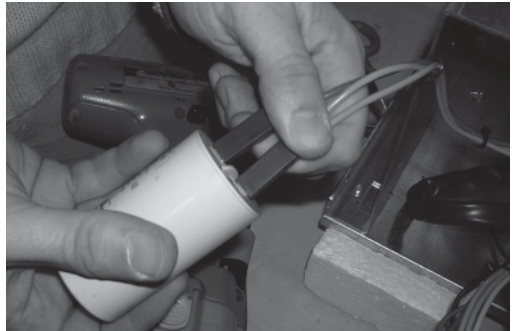
phase 4

- Using scissors, cut the tie securing the capacitor to the wall of the machine.



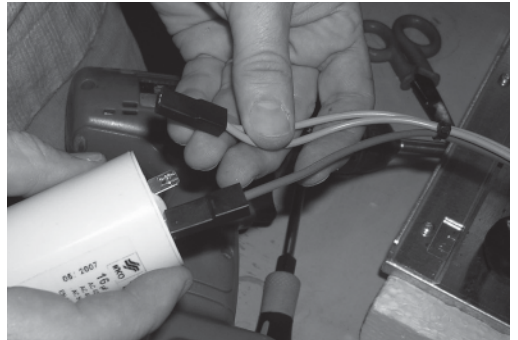
phase 5

- Remove the capacitor.



phase 6

- Disconnect the blue connector.



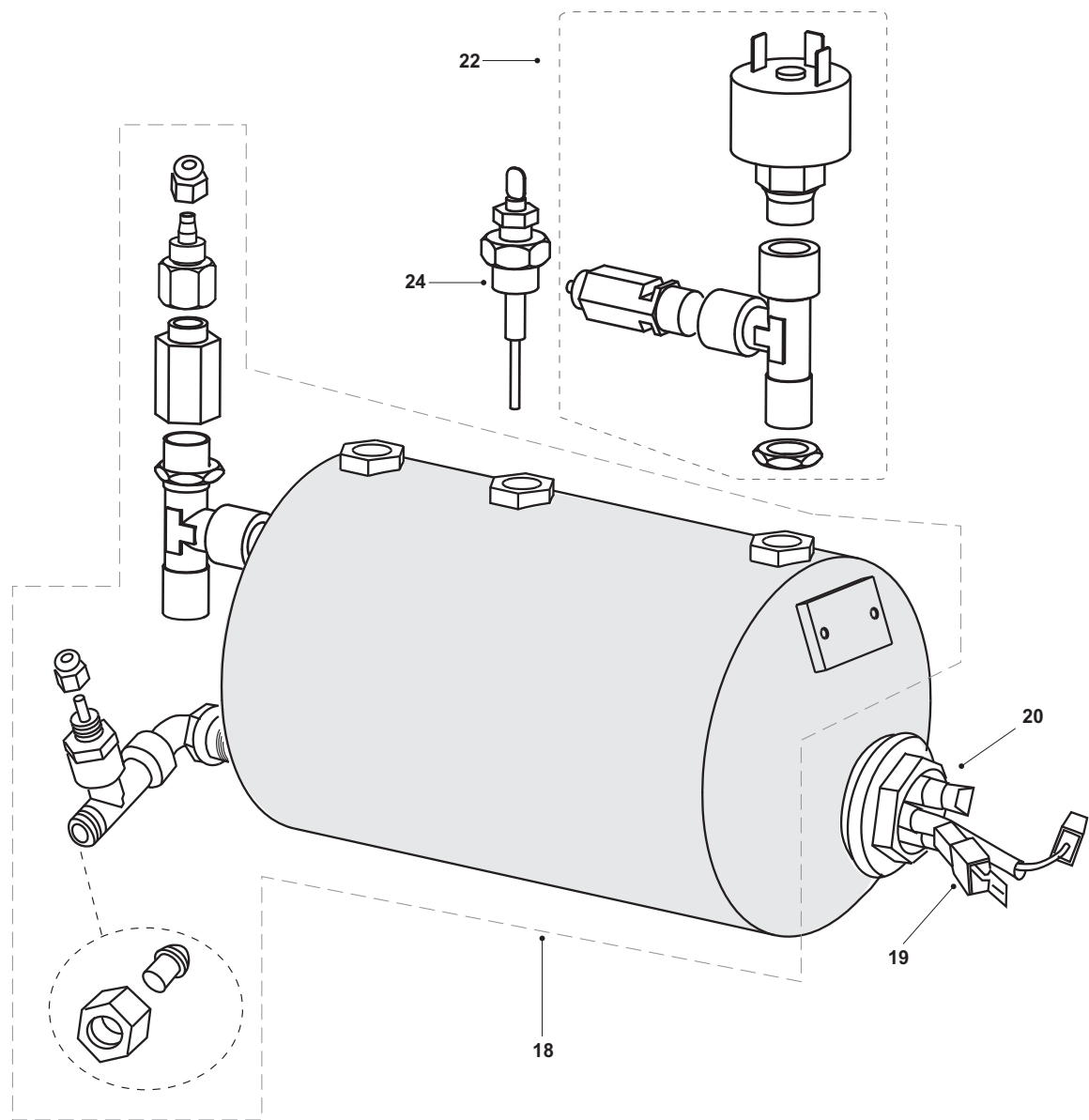
phase 7

- Disconnect the red connector.


Note: There is no polarity for the two connectors.




Exploded drawing and parts list for the boiler (18.1)



DESCRIPTION	POSITION
COFFEE BOILER	18
THERMAL PROTECTOR CABLE	19
BOILER RESISTANCE	20
PRESSURE SWITCH	22
PROBE	24

 **WARNING**
Before carrying out any service procedure, ensure that the machine has cooled down and is not under pressure, then disconnect it from the mains power.

Emptying the boiler (18.2)

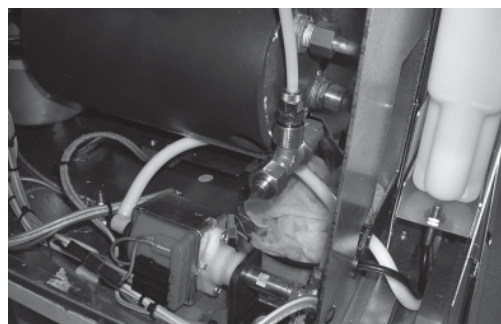
 **WARNING**
Before undertaking any procedures, the boiler should be emptied as follows.

phase 1

- Remove the machine cover as described in the instructions in section 9 on pages 24 and 25.

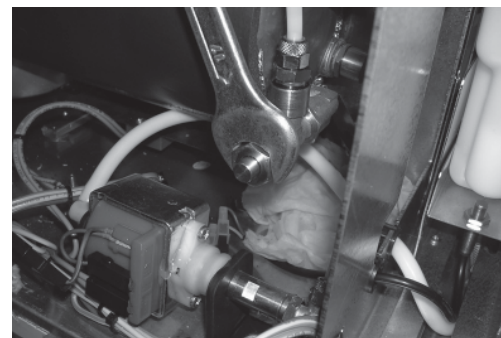
phase 2

Place absorbent paper on the bottom of the machine.



phase 3

Using a No. 17 wrench, unscrew the imitation nut.



Replacing boiler parts (18.3)

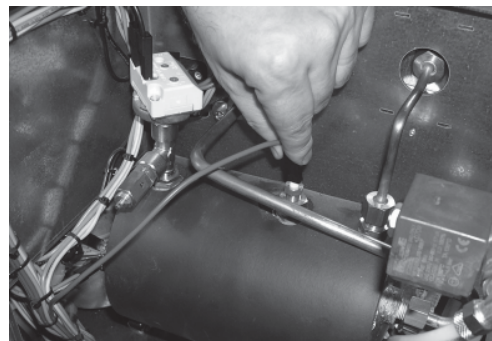
■ Probe

phase 1

- Remove the machine cover as described in the instructions in section 9 on pages 24 and 25.

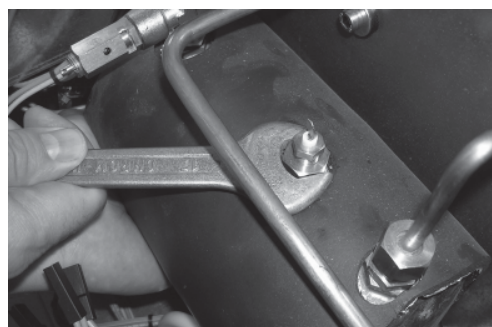
phase 2

- Disconnect the red wire.



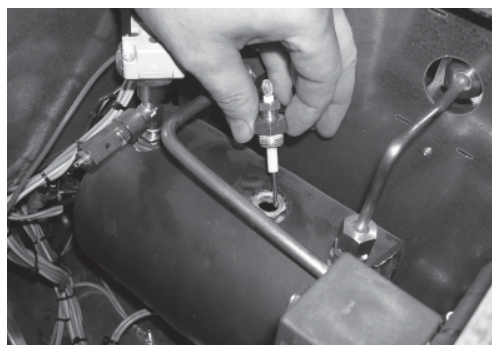
phase 3

- Using a No. 17 wrench, unscrew the nut securing the probe, while holding the boiler with your other hand.



phase 4

- Remove the probe.



■ ***Pressure switch, safety valve and connector***

phase 1

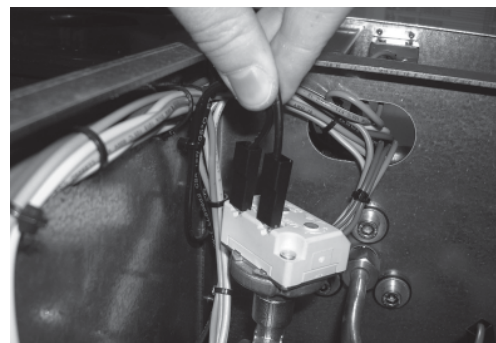
- Remove the machine cover as described in the instructions in section 9 on pages 24 and 25.

phase 2

- Empty the boiler by following the instructions in section 18.2 on page 74.

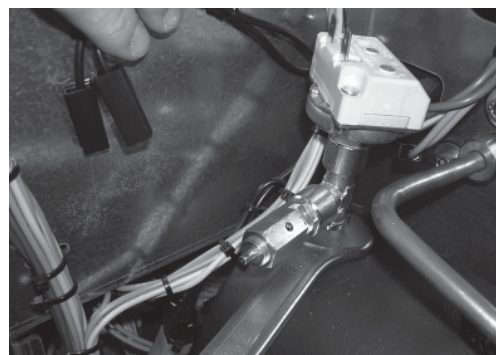
phase 3

- Disconnect the two black wires.



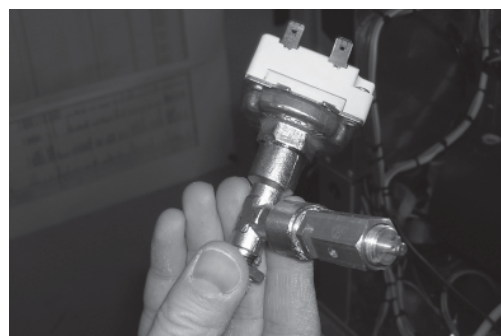
phase 4

- Using a No. 18 wrench, unscrew the nut on the connector to which the



phase 5

- Remove the pressure switch, the connector and the safety valve.



■ ***Thermal protector cable***

phase 1

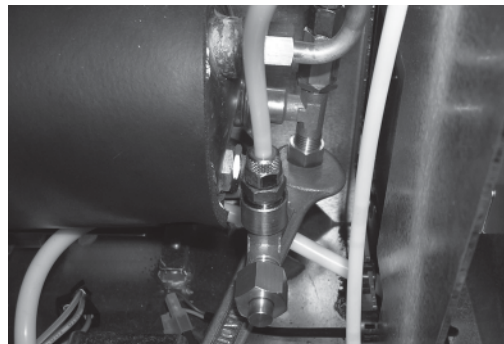
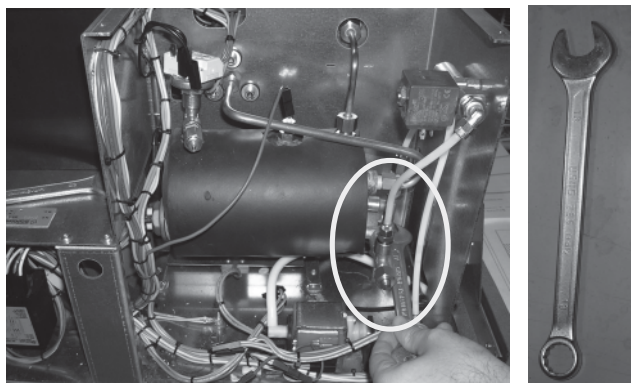
- Remove the machine cover as described in the instructions in section 9 on pages 24 and 25.

phase 2

- Empty the boiler by following the instructions in section 18.2 on page 74.

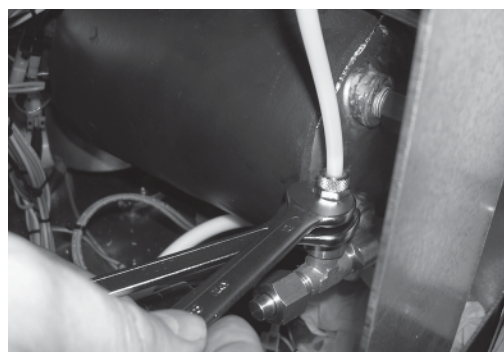
phase 3

- Unscrew the nut using a No. 17 wrench.



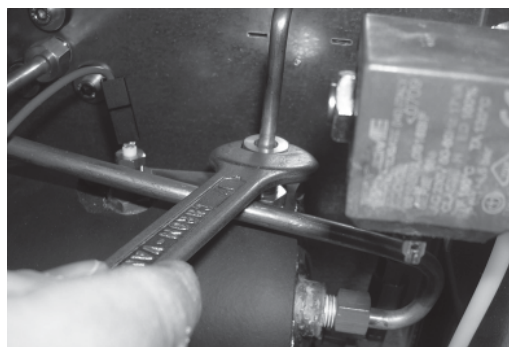
phase 4

- Unscrew the pipe lock nut using a No. 12 wrench while holding the check nut using a No. 14 wrench.



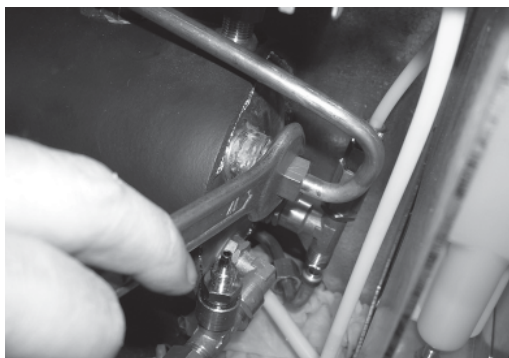
phase 5

- Unscrew the nut using a No. 17 wrench.



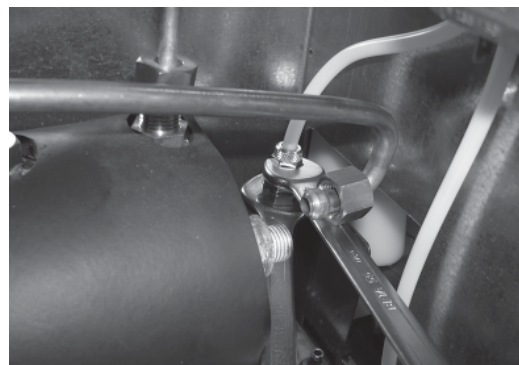
phase 6

- Unscrew the nut using a No. 17 wrench.



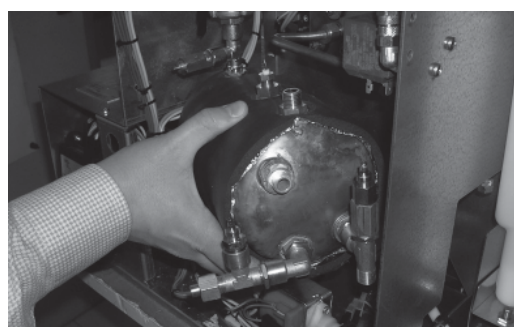
phase 7

- Unscrew the pipe lock nut using a No. 12 wrench while holding the check nut using a No. 14 wrench.



phase 8

- Remove the boiler.



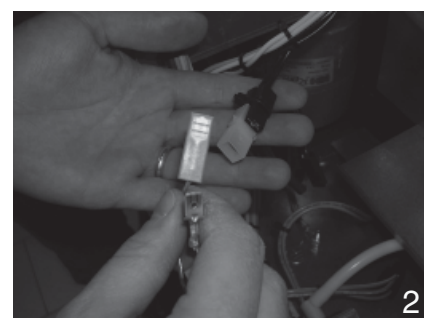
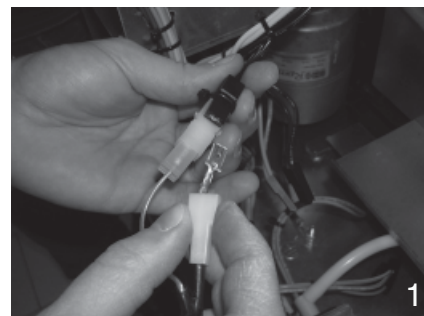
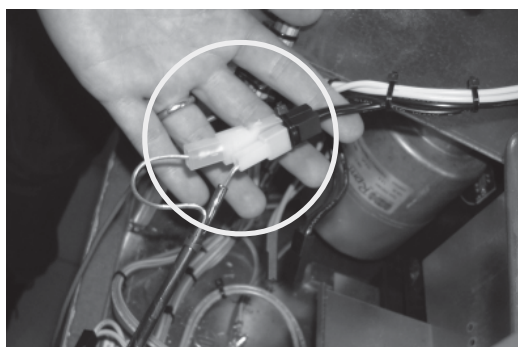
phase 9

- Remove the thermal protection.



phase 10

- Remove the two fastons connecting the thermal protection.



■ **Boiler resistor and seal**

phase 1

- Remove the machine cover as described in the instructions in section 9 on pages 24 and 25.

phase 2

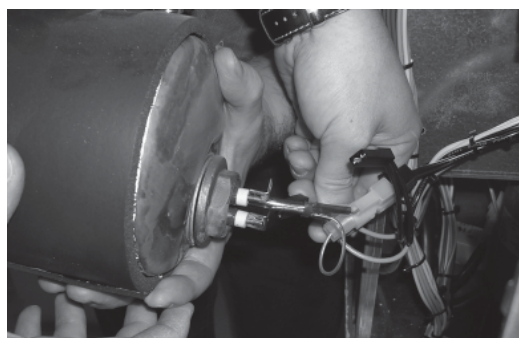
- Empty the boiler by following the instructions in section 18.2 on page 74.

phase 3

- Repeat the steps in section 18.3 relating to the thermal protection from page 76 to page 78 step 9.

phase 4

- Release the black and blue faston from the resistor.



phase 5

- Release the resistor using a No. 30 wrench.



- Remove the resistor.

Note: Ensure to install the seal when changing the resistor.



■ **Coffee boiler and connections**

phase 1

- Remove the machine cover as described in the instructions in section 9 on pages 24 and 25.

phase 2

- Empty the boiler by following the instructions in section 18.2 on page 74.

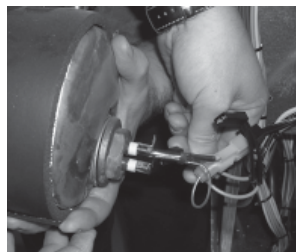
phase 3

- Repeat the steps in section 18.3 relating to the thermal protection from page 76 to page 78 step 9.



phase 4

- Disconnect the black faston and the blue one from the resistor.



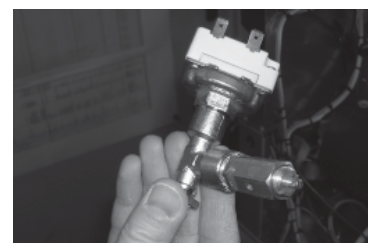
phase 5

- Unscrew and remove the resistor as indicated in section 18.3 on page 79 at step 5.



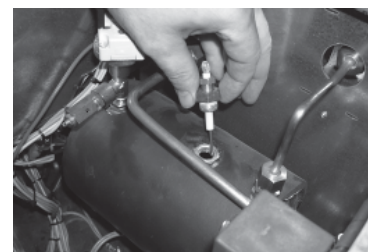
phase 6

- Remove the pressure switch as indicated in section 18.3 on pages 75 and 76.

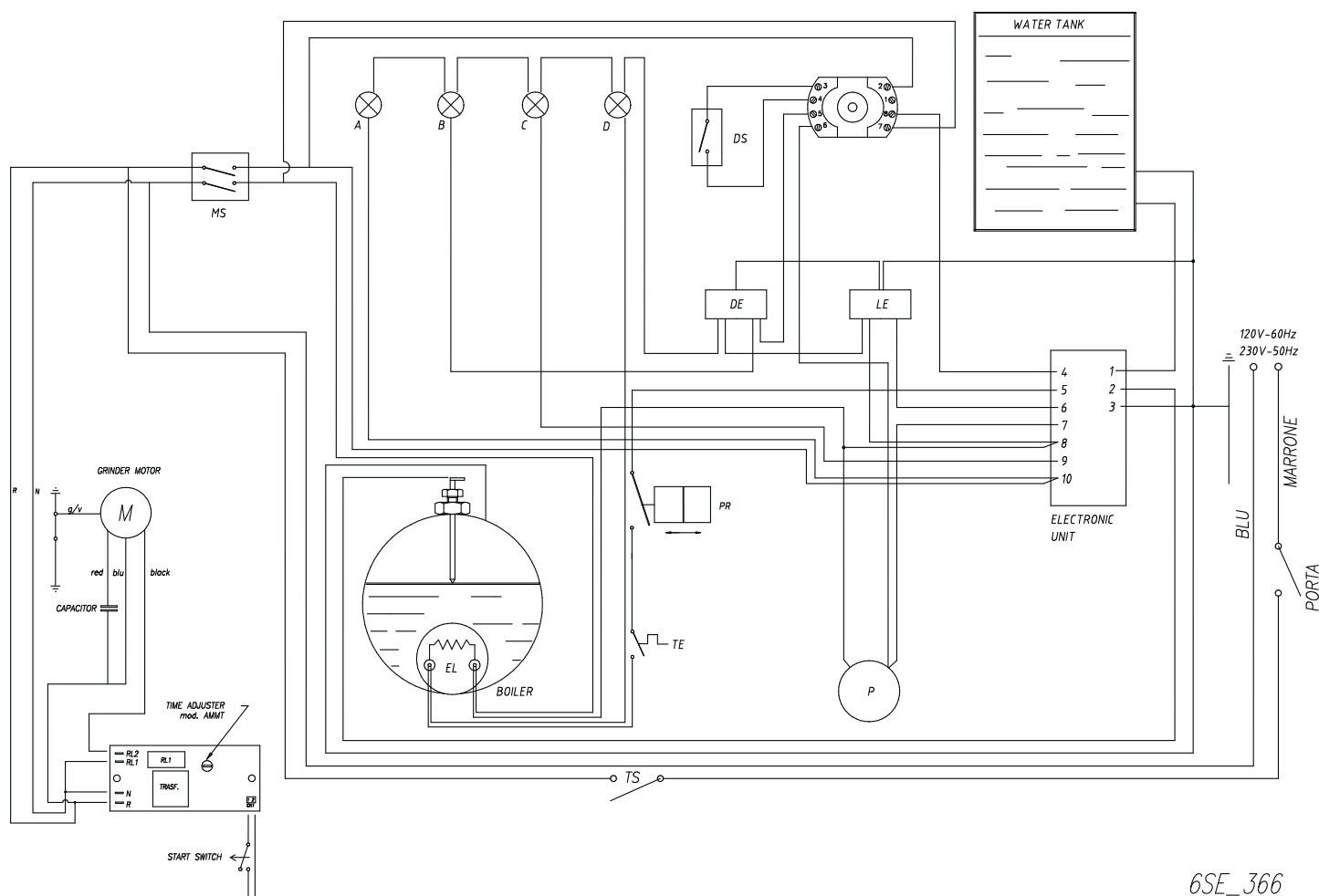


phase 7

- Remove the level probe as indicated in section 18.3 on page 75.



Wiring diagram (19.1)

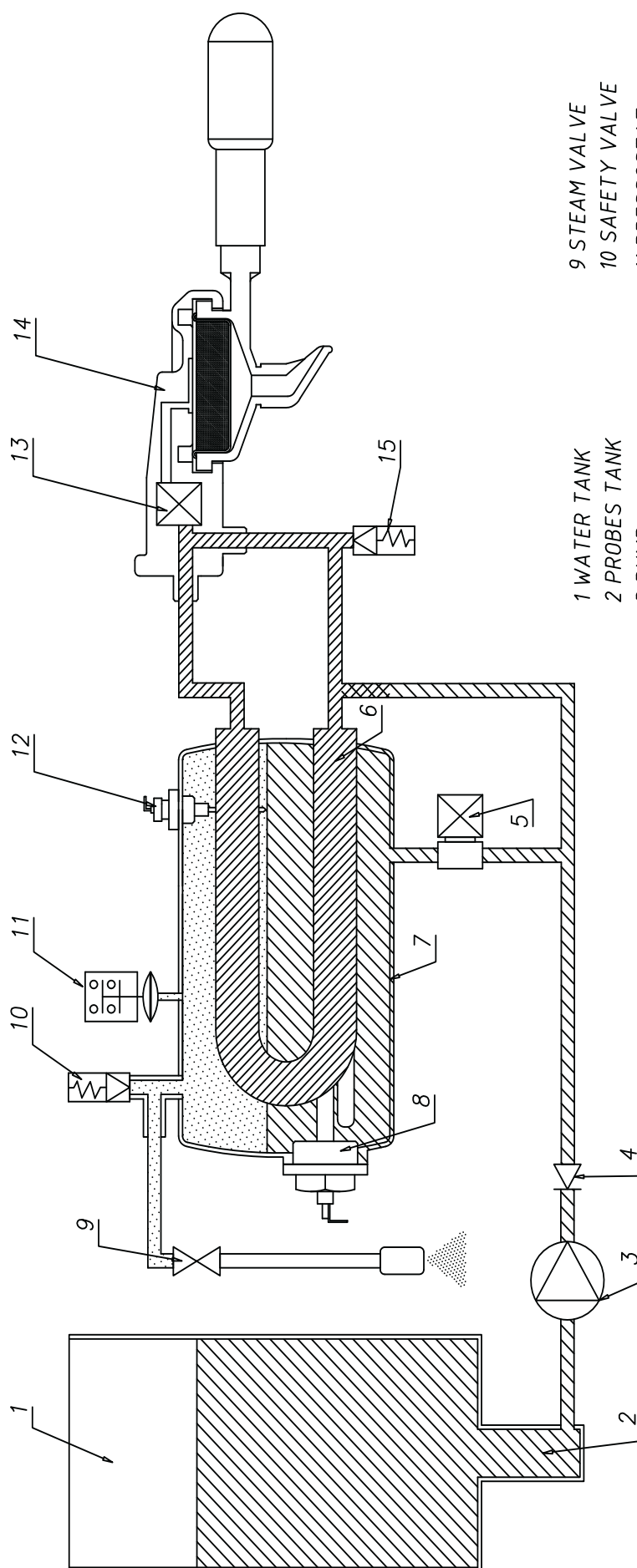


6SE_366

A ON-OFF LAMP - Spia accensione
 B COFFEE DELIVERY LAMP - Spia Erogazione caffè
 C NO-WATER LAMP - Spia assenza acqua
 D ELEMENT LAMP - Spia Resistenza
 MS MAIN SWITCH - Interruttore principale
 DS COFFEE DELIVERY SWITCH - Interruttore Erog. caffè
 DE COFFEE DELIVERY ELECTROVALVE - E.V. Erog. caffè
 LE LEVEL ELECTROVALVE - E.V. Livello

PR PRESSURE SWITCH - Interruttore Pressione
 TS DRAINAGE TANK SWITCH - Interruttore vaschetta di scarico
 EL ELEMENT - Resistenza
 P WATER PUMP - Pompa Acqua
 TE THERMOSTAT - Termostato

xx TUTTO IN AWG 18



- | | |
|--------------------|----------------------|
| 1 WATER TANK | 9 STEAM VALVE |
| 2 PROBES TANK | 10 SAFETY VALVE |
| 3 PUMP | 11 PRESSOSTAT |
| 4 RETAINING VALVE | 12 LEVEL PROBE |
| 5 LEVEL SOLENOID | 13 DELIVERY SOLENOID |
| 6 HEAT EXCHANGER | 14 GROUP |
| 7 BOILER - Caldaia | 15 EXPANSION VALVE |
| 8 HEATING ELEMENT | |

If your espresso coffee maker does not work correctly, check the following troubleshooting list..

FAULT	CAUSE	REMEDY
The coffee maker does not make espresso coffee	- Water is missing in the tank (indicator light 6) or the tank is not installed correctly.	- Insert the filter-holder correctly.
	- Coffee is ground too fine.	- Call a specialised technician.
	- Coffee is pressed too much.	- Press coffee as needed.
	- The shower and/or coffee dispenser are clogged up.	- Decalcification must be performed. Call a specialised technician.
	- The pump does not take water from the tank.	- Call a specialised technician.
Coffee spills from the filter-holder sides.	- The filter-holder is not installed correctly.	- Fill the water tank and install it correctly.
	- The filter-holder is not tightened enough.	- Tighten the filter-holder.
	- The gasket is dirty with coffee.	- Remove coffee deposits from gasket
There is too little or no "cream"	- The coffee dose is incorrect.	- The quantity of coffee in the doser must be flat.
	- The coffee maker is not hot.	- The indicator light 5 must be off.
	- Coffee is ground too coarse.	- Call a specialised technician.
	- Coffee is not pressed by the filter correctly.	- Press coffee as needed.
Coffee is not hot enough	- Hot water goes through the filter too rapidly. You need 25-40 seconds to make two cups.	- Call a specialised technician.
	- The filter-holder is cold.	- Leave the filter-holder inserted in the coffee maker during heating and use to keep it warm.
	- The boiler safety thermostat went on.	- Call a specialised technician.

