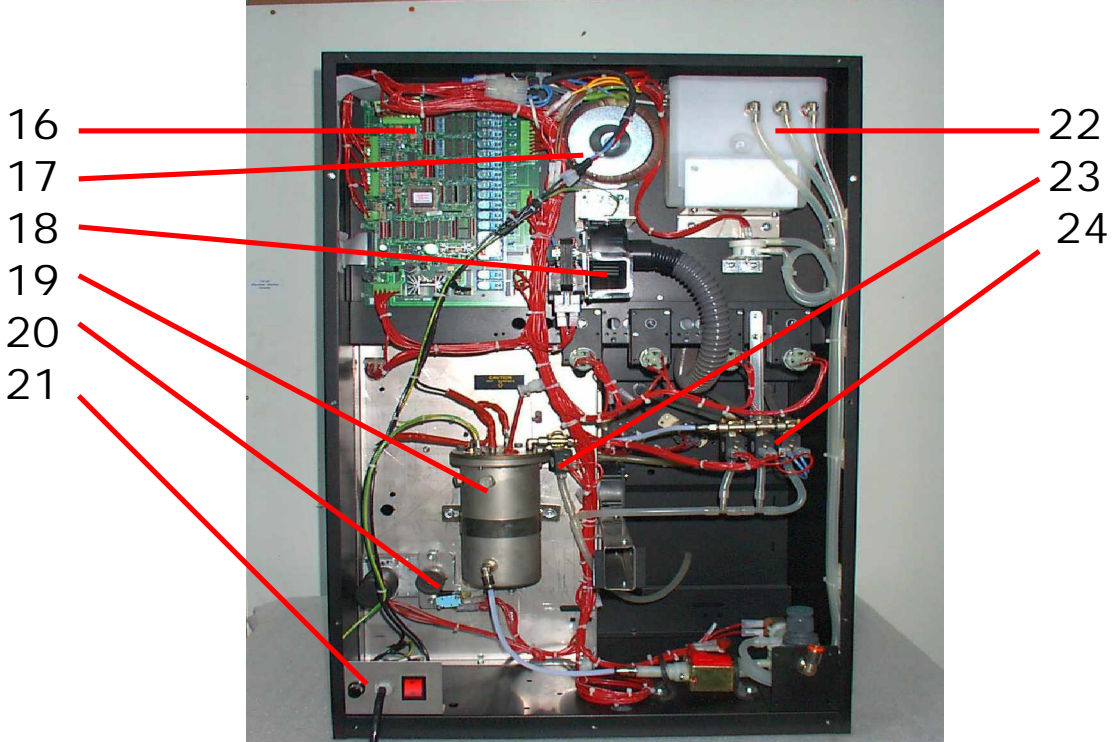
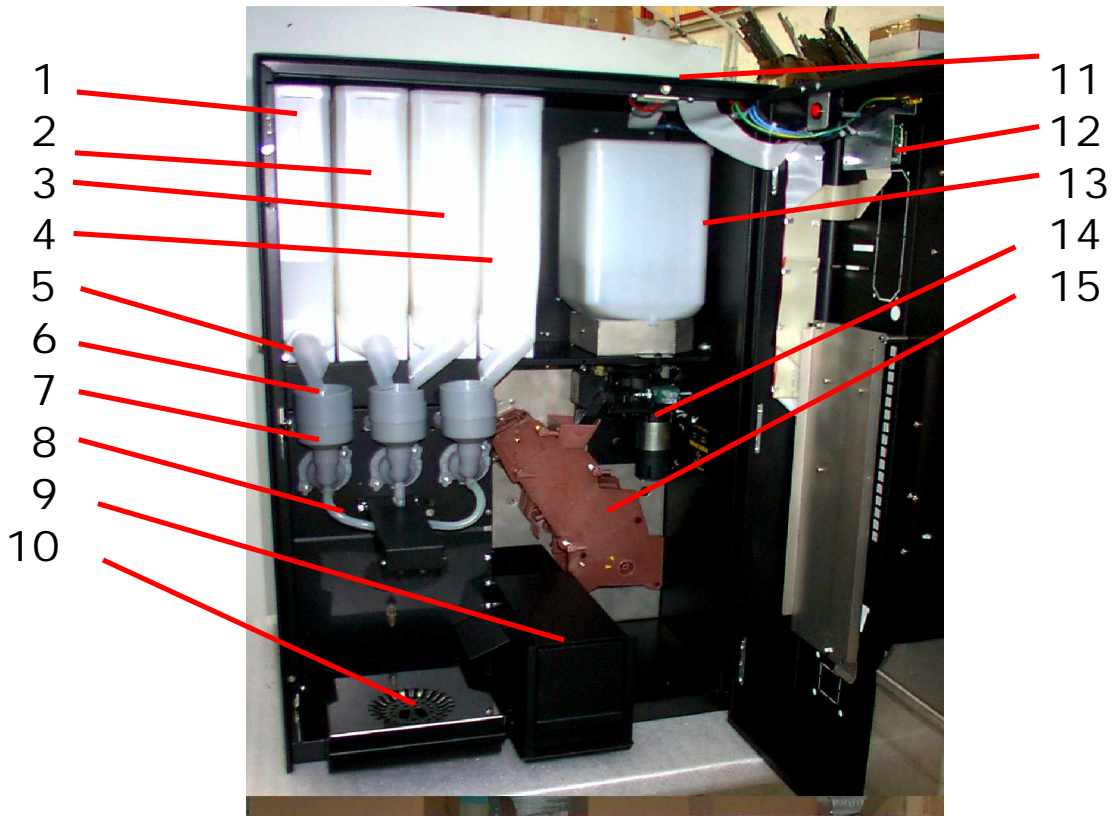


BISTROT / BISTROT CATERING INSTALLATION MANUAL

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CONTENTS

1. Machine description	page	3
2. Technical specifications	page	3
3. Using the machine for the first time	page	5
4. Selection and delivery	page	8
5. How to clean the grinder	page	9
6. Maintenance	page	10
7. Trouble shooting	page	10



MACHINE DESCRIPTION :

1- SOLUBLE CONTAINER 1	9- DUMP BOX	17- TRANSFORMER
2- SOLUBLE CONTAINER 2	10- MIXER DRIP TRAY	18- ASPIRATOR
3- SOLUBLE CONTAINER 3	11- DOOR MICROSWITCH	19- BOILER
4- SOLUBLE CONTAINER 4	12- DISPLAY	20- COFFEE MOTOR GROUP
5- CENTRAL PIPE	13- COFFEE CONTAINER	21- FUSE
6- ASPIRATOR CUP	14- GRINDER	22- AIR BRAKE
7- MIX CUP	15- COFFEE GROUP	23- COFFEE ELECTROVALVE
8- PLASTIC TUBE WHIPPER	16- CPU BOARD	24- SOLUBLE ELECTROVALVE

1. Machine description:

The machine delivers beverages automatically by mixing together food products and water. 16 different types of hot drinks are available.

The machine is built in accordance with CE rules.

2. Technical specifications:

Height:	84 cm
Width:	54 cm
Depth:	60 cm
Net weight:	57 kg
Coffee bean container ability:	2,5 kg
Powder soluble container ability:	2,8 l / 4 l
Wire supply length:	200 cm
Main voltage:	(see nameplate rates)
Wattage:	1500 W
Water main maximum pressure:	1,5 – 12 bar
Noise level:	less than 70 dB(A)

CAUTION: SAVE THESE INSTRUCTIONS

- To avoid electric shock and any other problem, please read carefully this technical dossier. This manual can be preserved inside the machine or within as easy reach.
- Before undertaking any cleaning, maintenance or loading operation on the machine, you must ALWAYS disconnect the power supply by switching the machine off at the back of the machine and removing the plug from its socket.
- Keep out from electric part of the machine, don't force the security system. For the Electrical maintenance and for the hard problems it would be better to contact the Authorised Service customer.
- Don't install the machine in places with low temperature (below +10 °C) or too high temperature (over +40 °C). Don't install the machine in damp places. Make sure that the machine is never installed near intensive magnetic fields.
- Don't immerse the machine in water nor in any other liquid. For cleaning operation use a damp cloth duster only.

Picture 1



Main switch:

It's on the back panel of the machine, and has a red light when is "ON".

Picture 2



Keyboard:

16 keys available

Picture 3



Display:

It shows you instruction on how to use the machine and notify any occurred alarm.

3. Using the machine for the first time

Picture 4



Remove the carton from the machine and keep it for any further displacement.

Picture 5



Keep the machine in a horizontal table. It must be large and strong enough to carry the machine weight.

Picture 6



Make sure to connect the machine to a right plug of main supply. (See the nameplate rates)

Picture 7



The water inlet must be connected to a main water line with a pressure between 1,5 and 4 bar.
For the connection it would be better to use a hard plastic tube (available as spare part) or a similar tube in accordance with the elementary requirement, too.

IMPORTANT:

After taking out the back part of the machine and connecting it to the water net, it is necessary:

1. While the machine is off, pull the handle of the pressure reducer.
2. Turn it anticlockwise in order to be sure that the reducer is completely closed.
3. Switch on the machine and make sure that the front door is closed.
4. Open slowly the pressure reducer by turning the handle clockwise. Make sure that during the tank refilling, the water flows constantly and with a proper pressure.
5. Push the handle of the reducer downwards to block it.

Picture 8



Open the door and lift the door microswitch.
To load the boiler switch on the machine while keeping the programming key pressed. When the water starts coming out of the coffee electrovalve, press the door microswitch.

Picture 9



Set the boiler temperature to start the resistance (see paragraph 16 of the user manual).

Picture 10



Fill in the coffee beans and the powders paying great attention not to fill over 2/3 of the container capacity.

MAKE SURE TO PUT THE CANISTER IN THE RIGHT POSITION

Opening the front door you have free access to load the machine.

- Remove the powders containers.

IMPORTANT: Turn the pipe for product exit in order to avoid any powders discharge.

-Take off the cover of the powders containers and fill with care by using quantity of products not exceeding the expected consumption till the next loading. This is to avoid the deterioration of the exceeding product.

Be sure that the powders do not contain clots and that the product is well compressed.

- The coffee beans loading procedure is the same as the powders one. Before proceeding, remember to close the pipe by using the proper tongue. After having re-assembled the container, remember to re-open the pipe.

Picture 11

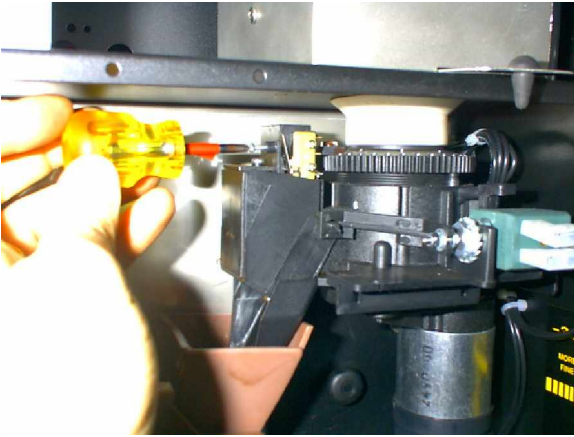


Make some coffee to test the quality. If the coffee gets into the cup too low, must be adjust the grinder regulator. Lowering the rod that allows the rotation of the grinder's ring can set the calibration of the grinder doing as follows:

- Rotate clockwise in order to obtain a finer coffee grinding.
- Rotate anticlockwise in order to obtain a thicker grinding.

After any change, make some coffee drinks and test their quality, than go on until the drink is like you want.

Picture 12



Set the coffee grams range (from 7 to 8,5 gr) that go inside the coffee group by means of a screwdriver. To increase the dose, turn the screw anticlockwise or clockwise to decrease the quantity.

4. Selection and delivery

The display normally shows the messages: "Machine ready", "Insert coins".

If the machine has just been switched on and the water in the boiler has not attended the temperature yet, the display will show "Heating", "Wait please".

- 1- Put the cup on the water tray.
- 2- While inserting the coins, the display will show the already given amount. If this is sufficient, by pressing one of the selection push buttons, the delivery of the product will start and the product will be delivered.

If the inserted amount is lower than the selected product's price, the display will show the inscription "INSERT" and the amount to be inserted for reaching the price of the desired product.

- 3- When the machine display shows "Machine ready" you can take your cup.

5. How to clean the grinder

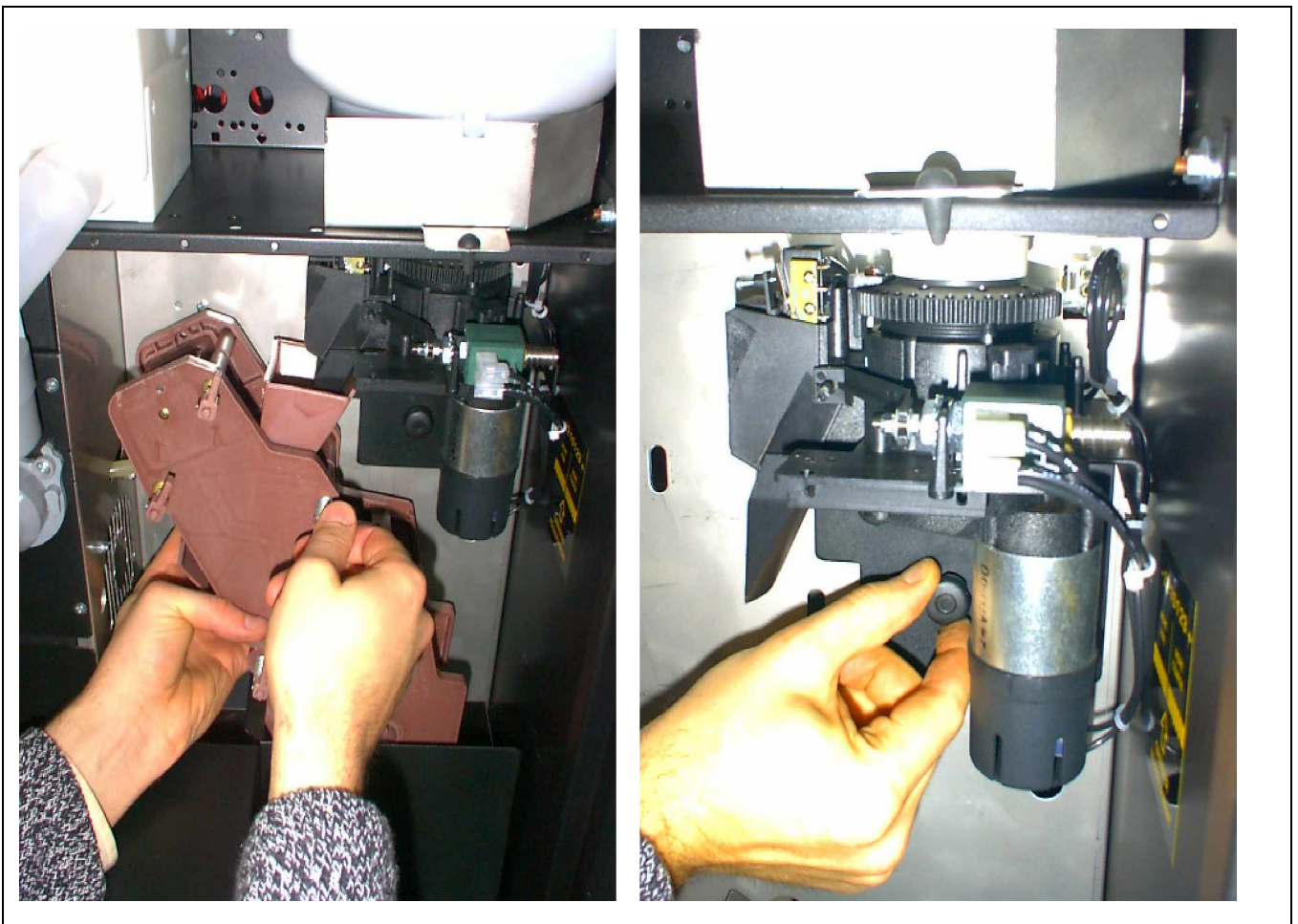
As to guarantee the correct functioning of the machine for a long time, servicing and cleaning operations must be done scrupulously.

Before making any intervention inside the machine, make sure that the light switch placed at the back of the machine is in OFF position.

NOTE: Wash your hands carefully before making any intervention.

- 1- Close and take out the coffee container from the machine.
- 2- Unscrew the two heads anticlockwise.
- 3- Take out the plug from the socket.

Now you can remove the grinder and clean. Don't use any water or detergent. You can clean with a brush and/or a vacuum cleaner.



6. Maintenance

The following instructions are destined to personnel able in electric maintenance and not, but in any case read very carefully these pages.

- 1- Using electrical machine, basic safety precautions should be followed, especially when making maintenance.
- 2- Any servicing other than cleaning and little maintenance should be performed by an authorised service representative.
- 3- No user serviceable parts inside.
- 4- Repair should be done by authorised service personnel only.
- 5- Unplug before every maintenance.
- 6- Never clean with scouring powders or hard implements.
- 7- The use of accessory attachments or spare parts not recommended by machine manufacture may result fire, electrical shock or personal injury.

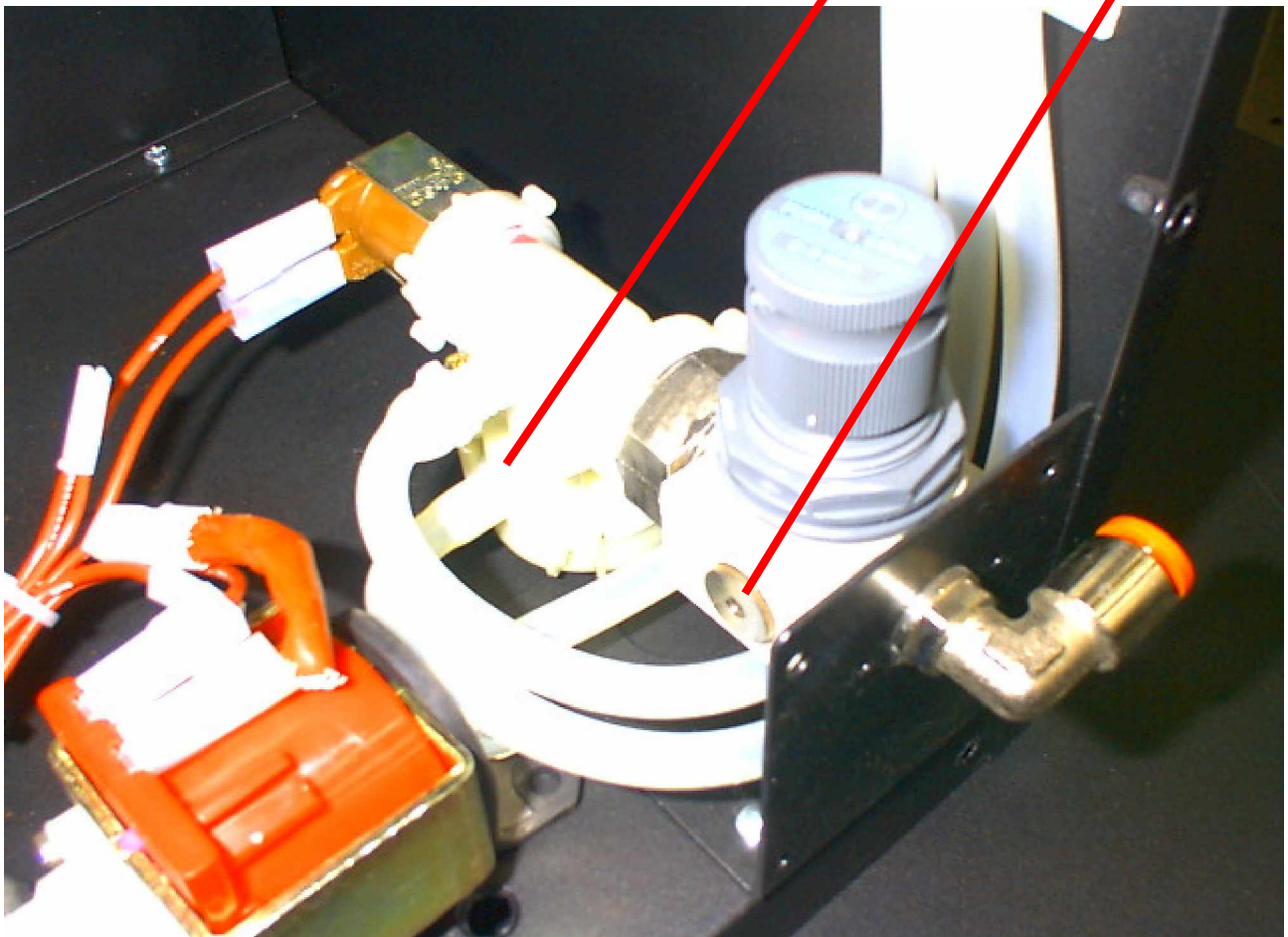
7. Trouble shooting

DEFECTS	CAUSE	SOLUTIONS
The read light of the main switch is off.	No Power	<p>Check the right insertion of the plug inside the wall outlet.</p> <p>Check the main current supply.</p> <p>Check the right position of the main switch.</p> <p>Check if the fuse next to the main switch is not damage.</p>
<p>No water comes out.</p> <p>The display shows: "No Water"</p>	<p>The water circuit may be blocked.</p> <p>It gets displayed if water is missing.</p> <p>The pump is out of service.</p>	<p>Check the blocked point and clean.</p> <p>Check if the anti-flood machine is into operation. See table A.</p> <p>The pump or the diode may be broken. Change it if necessary.</p>

TABLE "A"

This system allows blocking the water entry mechanically. There could be water entry because of default of the electrovalve or of the water level device inside the tank. To restore the normal function of the machine, proceed as follows:

1. Close the tap of the water line from outside.
2. Remove the backside of the machine by unscrewing the 6 fastening screws.
3. Discharge the water contained in the tube for the exceeding water, by taking it out from the mechanism connected to the anti-flood electrovalve. (The thinner tube connected to point No. 2 of the picture below).
4. Loosen the nut of the pressure adjuster (Picture No. 1) in order to leak the remaining pressure and screw it again.
5. Insert again the tube for the exceeding water into the corresponding fitting.
6. Tighten the leaking nut of the pressure reducer again.
7. Connect to the water net and switch the machine on.



DEFECTS	CAUSE	SOLUTIONS
The coffee comes out very slowly.	Too much coffee.	Adjust the coffee dose by screwing the screw.
	The coffee is too fine.	Turn anticlockwise the grinder regulator.

DEFECTS	CAUSE	SOLUTIONS
The display shows: "No Coffee A"	The group motor is not able to reach the position within 10".	The 10 Amps. fuse may be broken. The coffee group gear may be broken. Change them if necessary and set them as explained in Table B.

TABLE B

COFFEE GROUP ADJUSTMENT

In the pictures here below are shown the two different positions of the coffee group and of the corresponding cam when they're stopped and while they are delivering. Should not be like that, it is necessary to adjust the coffee group by doing that:

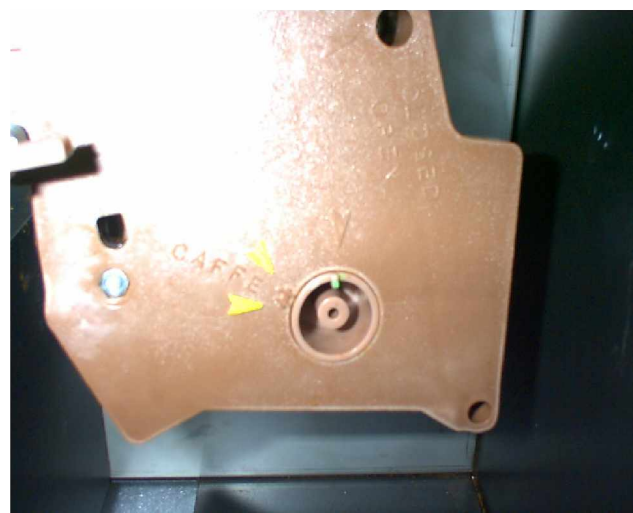
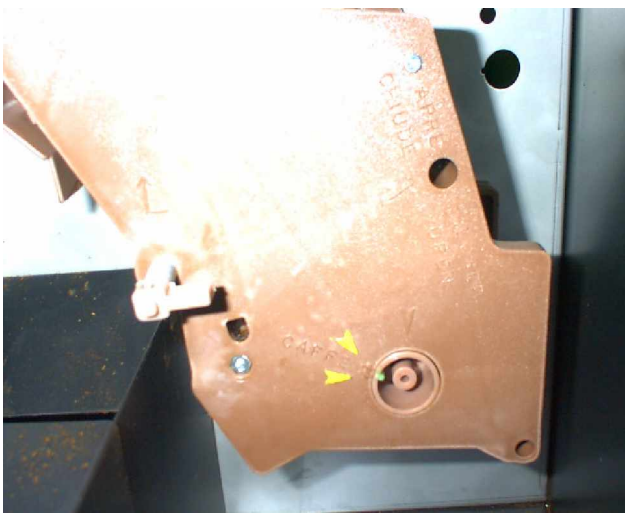
- 1- Loosen the screw that fixes the plastic cam to the coffee group motor. You will have free access to the backside of the machine.
- 2- As you know, every time you close the door, the coffee group will do a complete rotation. Push the level of the door microswitch while the machine is open, in order to make the coffee group rotate.
- 3- When the motor's cam finds between the two lines indicated on the coffee group, release the lever of the door microswitch.
- 4- Now the group is in the right position. Screw the nut fixing the cam to the motor by paying attention that the internal little tooth releases the corresponding microswitch.
- 5- Select now a coffee and verify the correct positioning.

PICTURE 1

PICTURE 2

Position of the coffee group while delivering

Position while it is not delivering



DEFECTS	CAUSE	SOLUTIONS
The display shows: "No Coffee B"	It gets displayed when the	Check the connection. Change sensor if necessary.

"No Coffee C"	temperature sensor is interrupted or short - circuited. While switching on the board, the alarm for the interrupted sensor gets delayed of 30".	Check if the thermic switch on the boiler is closed. Check if the resistor is working.
The display shows: "No Coffee D"	It gets displayed if the grinder is not able to grind the requested coffee dose in 25".	Check if the grinder is too much close. In this case turn anticlockwise the gear. Check if the dose microswitch is locked. Check if the solenoid of the volumetric coffee counter is working.
The display shows: "Empty Dump box"	It gets displayed if the set coffee grounds number has been attended.	Reset it. Set "Dump box: No" in the option menu.
The display shows: "No coffee E"	It gets displayed when the machine gets blocked because the coffee doses are to 0.	Reset it. Set "coffee counter: No" in the option menu.
The display shows: "End cups"	It gets displayed when the cups are over.	Fill up with new cups. Check if the microswitch with the shorter level is working properly.
The display shows: "Full drip tray"	It gets displayed when the drip tray is full. (If there is a waste tank inside the cabinet).	Check if the waste tank is full. Check if the level sensor is working. Check if there is connection between the sensor and the board.
The display shows: "No Coffee F"	It gets displayed when the arm does not attend the required position within 15".	This alarm appears only if there is the automatic cup dispenser. Check if the delivery motor is running tacking the three microswitches.
The display shows: "Heating"	It gets displayed if the temperature of 80°C gets not attended within 7 minutes.	This word should disappear within 2-3 minutes after switching on the machine.

DEFECTS	CAUSE	SOLUTIONS
The display shows: "No sugar"	It gets displayed when the sugar decounter goes to zero	Increase the sugar decounter.

The display shows: "No soluble"	It gets displayed when the decouner corresponding to the soluble goes to zero	Increase the soluble decouner.
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NOTE:

All alarms block the operation of the machine except that one for the water level and the end of the cups that restore themselves automatically.

To reset the alarms, when they are no more present, it is sufficient to switch off the board or press the programming key.

The alarm for the dump box filling is adjustable by pressing at the same time key C and key 1 on the keyboard beverages selection (if the machine has the 12-keys-selection board) or key 1 and key 2 (if the machine has the 16-keys-selection board) for 5 s when the machine is on.