



espresso coffee machines



MANUAL FOR USE AND MAINTENANCE

S50

EN LSC 050 06-2020

WEEE

Disposal of equipment by the users in the territory of the European Union (WEEE), according to standards 2011/65 / EU, 2011/19 / EU and 2015/863 / EU, relating to the reduction of the use of dangerous substances in electrical and electronic equipment, as well as waste disposal.



The symbol of the crossed waste bin indicated on the equipment or on the packaging means that the product at the end of its lifetime must be disposed of separately from all the other waste.

The separate collection of this equipment coming at the end of its lifetime is organized and run by the importer/distributor. The user who should have to dispose of such equipment should get in touch with the importer/ distributor and follow the procedure they have adopted for the separate disposal of the equipment coming at the end of its lifetime. The proper separate disposal of disused equipment so that it can be recycled and treated according what is environmentally compatible contributes to avoid possible negative effects on the Environment and on Health and allows the reutilization and/or the recycling of the materials the equipment is composed of.

The improper disposal by the user causes the enforcement of the administrative sanctions according to current regulations.



GENERAL WARNINGS

Read carefully the instructions and warnings contained in this manual and in the "INSTRUCTION MANUAL FOR THE INSTALLER", since they provide important indications concerning the installation of the appliance.

Attention!

The electric system, water supply system, drainage system MUST already be put in place by the customer in order to allow the proper installation of the machine. The installation engineer cannot change the existing system put in place by the customer. See chapter "INSTALLATION REQUIREMENTS FOR THE USER".

Attention!

The appliance must be installed where use and maintenance are restricted to trained staff.

SAFETY NORMS

Attention!

CAREFULLY READ THE FOLLOWING WARNINGS, WHICH OFFER IMPORTANT GUIDELINES FOR THE SAFE USE AND MAINTENANCE OF THE APPLIANCE.

The appliance must only be used for its intended purpose and it must be installed in a suitable place for its use. Any other use is therefore considered as improper and unreasonable.

The manufacturer cannot be held liable for any damage caused by improper, incorrect or unreasonable use. Installation must be carried out by qualified personnel according to current laws and to the manufacturer's instructions. Incorrect installation may cause damage to people, animals or property for which the manufacturer cannot be held liable.

⚠ Danger!

The electrical safety of the appliance is fully achieved only after it has been correctly connected to an earthing system as required by the laws in force.

It is necessary to have the earthing connection checked by professionally qualified personnel. The manufacturer cannot be held liable for any damage caused by the lack or inefficiency of the system's earthing connection. The appliance has not been designed for outdoor use. It must only be operated in a place where the ambient temperature is between +5°C and +40°C.

⚠ Attention!

The use of any electrical appliance also requires observance of the following important regulations.

- Do not touch the appliance with wet or damp hands or feet.
- Do not use the appliance barefooted.
- Do not pull the power supply cord to unplug the appliance from the mains power.
- Do not allow children or unqualified people to use the appliance.
- Access to the appliance's service area must be restricted to those people with the relevant practical experience and familiarity with the appliance itself, especially in terms of safety and hygiene.
- This appliance can be used by children aged from 8 years and above, and person with reduced physical sensory or mental capabilities or lack of experience and knowledge, if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Before carrying out any routine maintenance or cleaning operation, disconnect the appliance from the mains power and close the water supply tap.
- In the event of damage and/or malfunction of the appliance, switch it off completely without trying to make any direct repairs. Contact the nearest Service Centre authorised by the manufacturer.
- In order to guarantee the proper efficiency and operation of the appliance, it is fundamentally important to follow the manufacturer's instructions, and to follow a regular maintenance schedule.
- The appliance has not IPX protection against water and therefore, it cannot be installed in areas where it may be subject to jets of water.



- The appliance has class I protection against electric shocks.
- The noise emitted by the appliance during normal operation is less than 70 dB.
- The maximum altitude at which the machine may be installed is 8000 meters .
- Children shall not play with the appliance.
- Cleaning and use maintenance shall not be made by children without supervision.
- These instructions are also available in an alternative format, e.g. on a website.

Attention!

Failure to comply with the above regulations could jeopardise the correct operation and safety of the appliance as well as its useful lifetime.

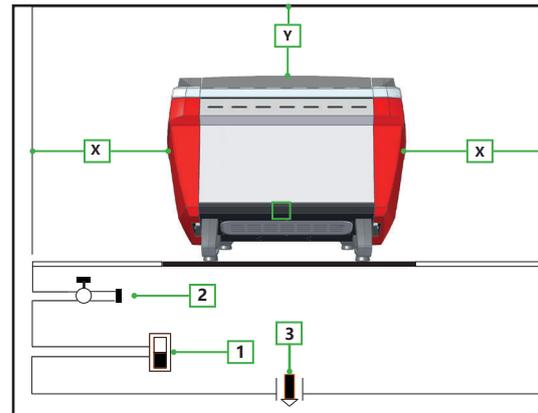
INSTALLATION REQUIREMENTS FOR THE USER

The appliance must be placed on a flat and stable surface and a surface height for the appliance of no less than 1.2 metres from the ground. Check this important requirement, since the manufacturer cannot be considered liable for any damage caused by the instability of the appliance. While preparing the systems, take into account that a hole is needed on the bearing surface in order to carry out all electric and water connections through the opening below where a water softener will need to be placed, if recommended by the installation engineer.

A hole of 10 x 10 cm is enough in the area (a) as indicated in Pict.

The minimum size of the opening below is:

- height cm. 60
- width cm. 40
- depth cm. 40



Legend:

1 Multi-pole power switch with a switch-contact gap of at least 3 mm.

2 Water supply tap

3 Drain siphon

X min. 20 cm.

Y min. 40 cm.

Z* min. 10 cm.

*) distance between the back of the appliance and the wall.

- Between the water mains and the water inlet pipe of the appliance, there must be a tap to stop the water flow if necessary (2 - Pict. 1)
- Water mains pressure must be within the range of 1 and 5 bar. If this requirement is not met, please consult the manufacturer.
- The appliance is supplied without a plug. It is supposed to be directly connected to the power supply and therefore, it is necessary to fit a multi-pole power switch with a switch-contact gap of at least 3 mm or more beforehand, according to the regulations in force (1 - Pict. 1)
- The drain pipe of the appliance must be directly connected to a suitable open drain siphon, previously installed by the customer (3 - Fig. 1). Do not fit the drain pipe into basins or buckets placed under the counter as this will increase the possibility of forming dirt deposits and as a result, the spread of bacteria.

 **Attention!**

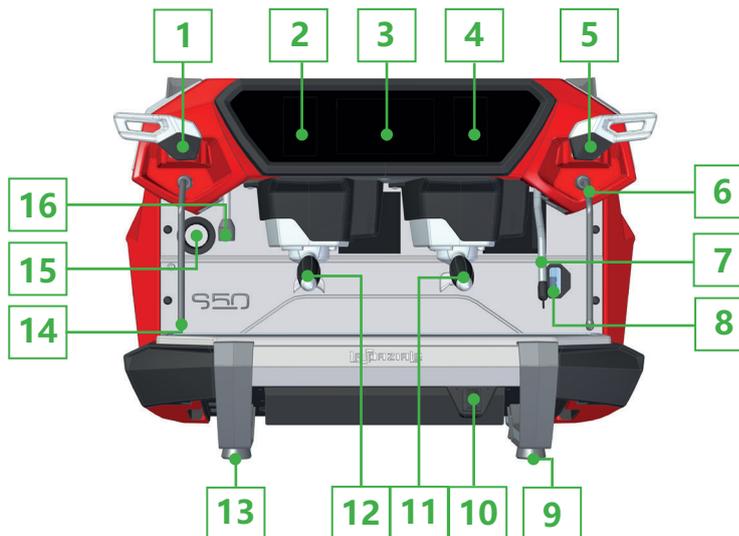
The appliance is supplied without water in the boiler. This is to prevent serious damage if the appliance is exposed to low temperatures. The appliance must only be supplied with cold drinking water.



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1. GENERAL DESCRIPTION OF THE MACHINE

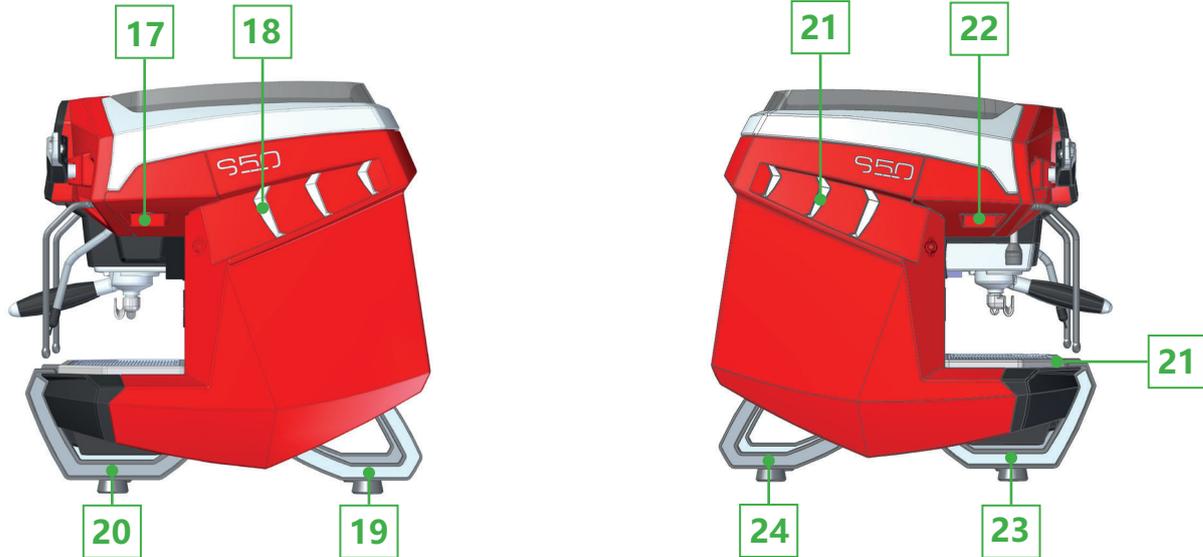


LEGEND:

- | | | | |
|---------------------|--------------------------|-----------------------|--------------------------------------|
| 1. Left steam lever | 5. Right steam lever | 9. Right front foot | 13. Left front foot |
| 2. 2° group display | 6. Right steam wand | 10. Main switch | 14. Left steam wand |
| 3. Main display | 7. M.A.T. steam wand | 11. 1-cup portafilter | 15. Water mains/ Pump pressure gauge |
| 4. 1° group display | 8. Water level indicator | 12. 2-cup portafiler | |



1.1 GENERAL DESCRIPTION OF THE SIDE PANEL

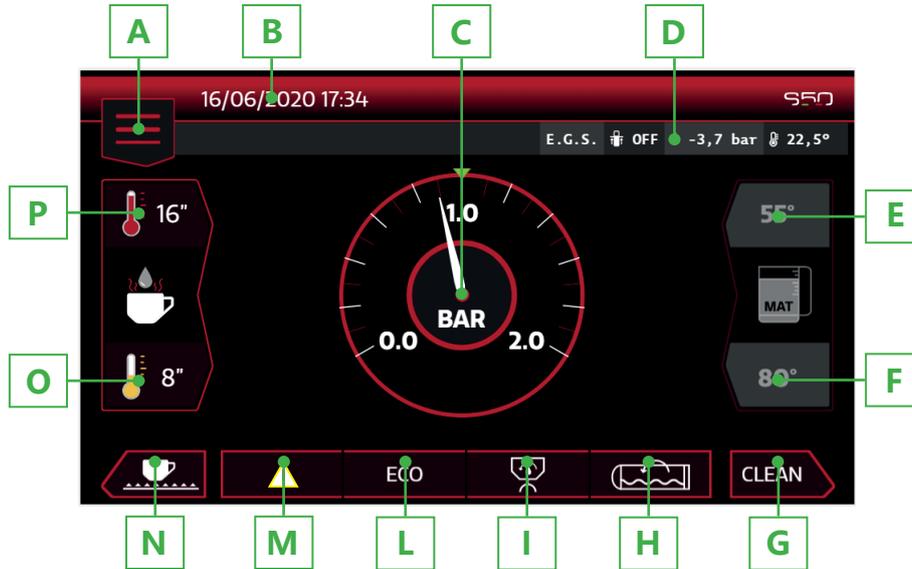


LEGEND:

- 17. Cold white led for right side
- 18. RGB led for right side
- 19. RGB led for right back foot
- 20. RGB Led for right front foot

- 21. RGB Led for left side
- 22. Cold white led for left side
- 23. RGB led for left front foot
- 24. RGB Led for left back foot

1.2 GENERAL DESCRIPTION OF THE MAIN DISPLAY



LEGEND:

- | | | | |
|-----------------------------|-------------------------|--------------------------|----------------------------|
| A. Programming touch button | E. M.A.T. 1° sel button | I. Group cleaning button | O. Hot Water 1° sel button |
| B. Date & Time | F. M.A.T. 2° sel button | L. ECO button | P. Hot water 2° sel button |
| C. Digital pressure gauge | G. CLEAN button | M. Alarm section | |
| D. Status bar | H. Boiler wash button | N. Cupwarmer button | |



1.3 GENERAL DESCRIPTION OF THE STATUS BAR

LEGEND OF SYMBOLS IN THE STATUS BAR:

E.G.S.

E.G.S. Electronic Ground System: enabling this function , in case of no activity of the delivery groups for 30 minutes, a minimal hot water quantity is delivered inside the portafilter to keep the coffee cake humid inside so as to remove it easily. The signal that the cycle is starting is a 30" seconds count-down on the corresponding group.

OFF

Auto water refill: according to the water refill system , the symbol can be ON or OFF.

3,7 bar

Water mains pressure indication: the machine can be equipped with a pressure sensor (standard in the 3.0 and PERFORMANCE versions, optional for the SELETRON) which is monitoring the water mains and pump pressure values.

22,5°

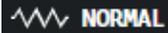
Boiler temperature indication: a temperature sensor is monitoring boiler temperature.

31,5°

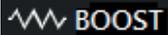
Cup warmer temperature indication: a temperature sensor is monitoring the temperature of the cup warmer tray.



Indication of the electric heater control: after 20 minutes of inactivity of the machine (that means with no coffee, water, steam nor M.A.T. delivery) the total power input of the machine is reduced to 2/3 so as to solely maintain the operating temperature. As soon as a new delivery is required, the "Economy" function is deactivated.



Indication of the boiler electric heater control: the power input of the machine is run in standard mode.



Indication of the boiler electric heater control: in case of significant delivery of steam/hot water, once boiler pressure drops 0,3 bar below the preset value, the machine power input is automatically increasing.



Indication that the pressure profiling system of the groups is active.

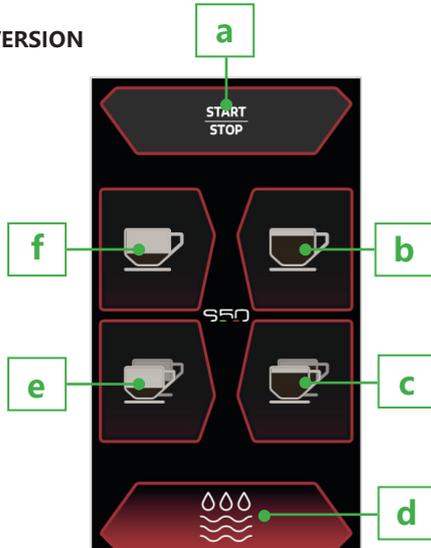


Indication of the active Timer function and of next day/time switching off.

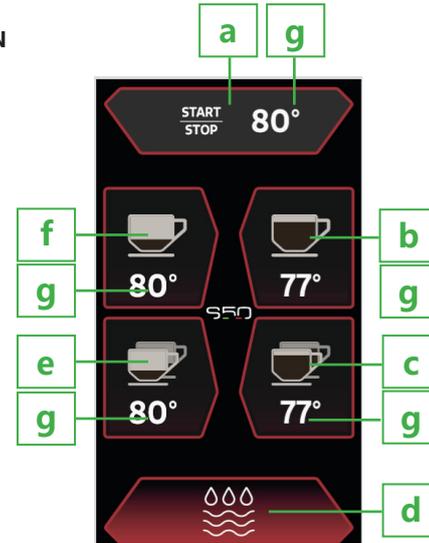


1.4 GENERAL DESCRIPTION OF THE DELIVERY GROUP DISPLAY

SELETRON VERSION



3.0 VERSION



LEGEND:

- a. Free Flow touch button.
- b. Long coffee button
- c. Double long coffee button

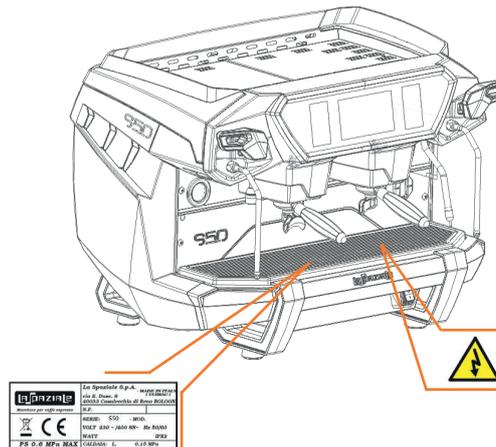
- d. Purge touch button
- e. Double short coffee button
- f. Short coffee button
- g. Temperature SET ITC 3.0 indication

2. LABELS AND WARNING PLATES

In the picture here below we are showing the labels and warning technical data plates applied on the machine.

Attention!

Dedicate all the time necessary to get familiar with these labels/plates. Make sure that they are all readable and for this purpose clean or replace those which are damaged or not readable (both in the text and in the graphics). To clean the labels or data plates use a soft towel, water and soap. Do not use solvents, gasoline, etc.. If a label is applied on a component to be replaced, make sure that on the new component there is a new label or apply the old label to the new component.





3. PACKAGING REMOVAL

After removing the packaging, check the integrity of the appliance, in case of any doubt do not use it and contact the manufacturer. Packaging materials must not be left within the reach of children reach as they may represent a potential danger.

 **Attention!**

As the appliance has a weight higher than 30Kg, it cannot be lifted by one person alone.

 **Note!**

Proceed to dispose of the packaging materials as per norms in force in the destination country of the machine.

3.1 STANDARD OUTFIT OF THE MACHINE

- A. One set of portafilters with respective spouts
- B. A complete set of flexible hoses for water connection
- C. One set of filters
- D. One set of showers for each delivery group
- E. One group head key to remove showers
- F. One brush
- G. A manual coffee tamper

3.2 OPTIONAL ACCESSORIES (supplied only on request of the customer)

LEGEND:

- I. Water softener
- L. Water mains impurity filter
- M. Pressure Reducer
- N. Detergent

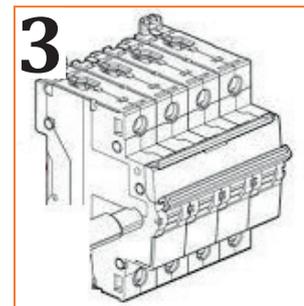
4. STARTING THE SYSTEM



Open water mains
tap



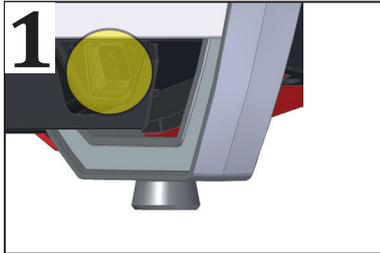
Check any water leaks from
pipes



Turn on main switch



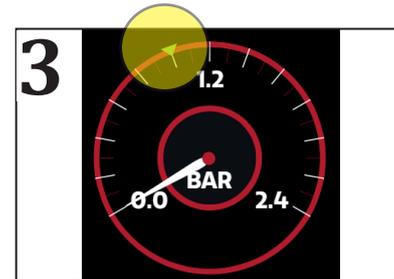
5. ELECTRIC SWITCHING ON OF THE APPLIANCE



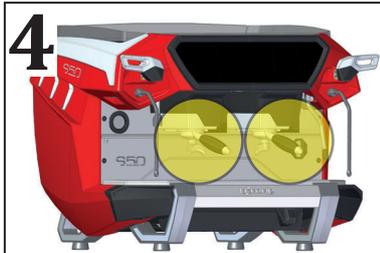
1 Press the main switch (10 pag. 2)



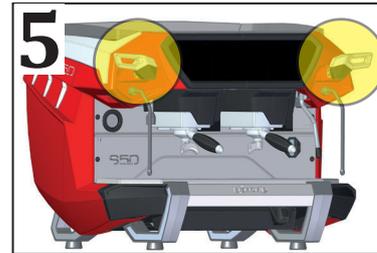
2 The machine refills the boiler with water.



3 Wait for the machine to reach the operating pressure indicated by the green triangle.



4 Attach the portafilter to the group.



5 Open the valves by pulling the levers.

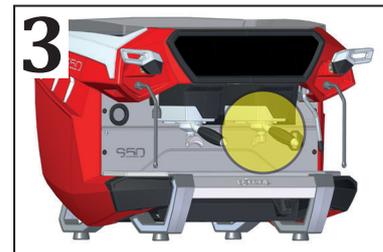
5.1 COFFEE BREWING



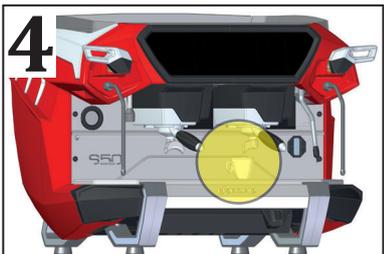
1 Remove one portafilter from the group.



2 Fill the portafilter with ground coffee and press it.



3 Firmly attach the portafilter to the group.



4 Place one or two coffee cups below the spout.



5 Press one of the preset dose buttons or the free flow delivery.



6 In case of free flow delivery, the display will show the extraction time.



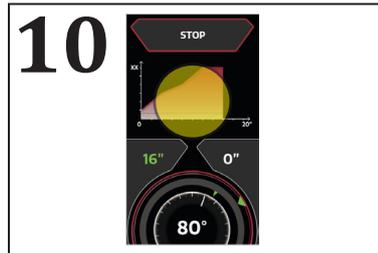
In case of preset doses, the display shows the programmed time (in green on the left) and the real extraction time (in white on the right).



A progressive white circular bar will show if the preset time has been reached (green triangle). If it turns red, it means that the extraction time is shorter or longer than the programmed one.



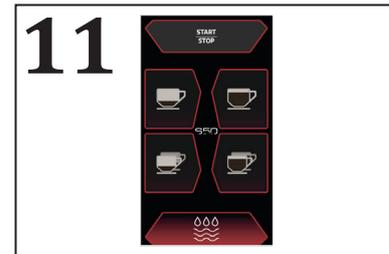
In the ITC 3.0 version, the water extraction temperature is indicated in the centre of the display.



In the PERFORMANCE version, during the delivery, the preset pre-infusion curve is shown on the display.

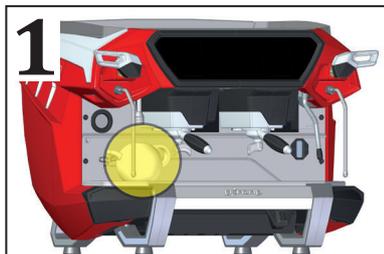
 **Note!**

To terminate earlier a delivery started with one of preset dose buttons, simply press the same button.



By pressing the PURGE button, the machine delivers a minimum amount of water (programmable) from the group.

5.2 HOT WATER DELIVERY FOR INFUSIONS



Place the jug below the hot water spout.



Press the button on the top left hand side (P, page 4) to deliver hot water. The delivery stops at the end of the time programmed during the installation.



Or press the button on the bottom left hand side (O, page 4) to deliver mixed hot water. The delivery stops at the end of the time programmed during the installation.

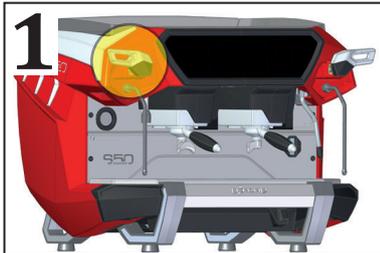
N.B. The temperature of the water delivered is preset by the Service, during the machine installation phase.

Attention!

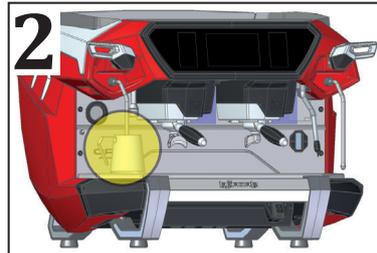
Do not press the push-button to dispense water before placing the jug below the hot water spout, to avoid possible burns.



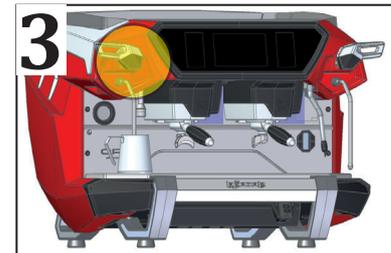
5.3 HOT WATER DELIVERY FOR HOT BEVERAGES



Push the Steam valve lever to purge.



Insert the steam wand into the jug containing the beverage to be heated.



Pull the lever of the steam wand to start heating the beverage. At the end, move back the lever to the initial position.

 **Note!**

At the end of the heating, remove the jug from the steam wand and immediately clean the wand with a damp sponge.

 **Attention**

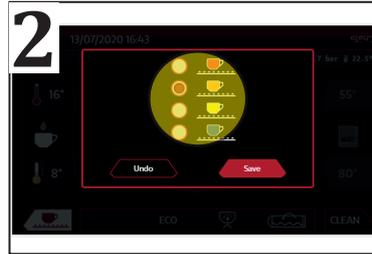
Do not deliver the steam before inserting the wand into the jug to avoid possible burns.

5.4 ELETTRIC CUP WARMER

To obtain a better preheating of the cups, it is possible to switch on the electric cup warmer.



Push the electric cup warmer button.



The display shows a pop-up that allows to modify the temperature of the cup tray.



Set the new temperature and push "save" or wait for the pop up to close.



With the cup warmer turned on, the temperature of the cup tray is shown on the status bar.



Push the same button to turn off the cup warmer heating element.



5.5 ECONOMY MODE

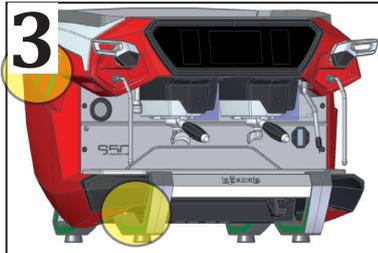
The ECONOMY mode enables to obtain a remarkable energy savings when the machine is on but not fully operational.



1 Push the ECO button.



2 With the ECONOMY function active, all delivery function of coffee, tea and steam (M.A.T.) are disabled.



3 The RGB LEDs on the feet and sides are in green.



4 The boiler temperature reaches 85°C. Press the ECO button again to deactivate the ECONOMY mode. In about 15 minutes the machine will be ready to work.

5.6 WASHING THE GROUPS

The GROUP CLEANING function enables to clean the group showers without increasing the coffee counters.



Push GROUP CLEANING button.



Push ACTIVATE button to activate the GROUP CLEANING cycle.



The GROUP CLEANING cycle consists of 5 seconds of water delivery from the selected group, followed by 5 seconds of STOP, thus allowing the use of the brush to clean the group showers.



Press the DEACTIVATE button to stop the cleaning cycle. Press the GROUP CLEANING button again to return to the work screen.

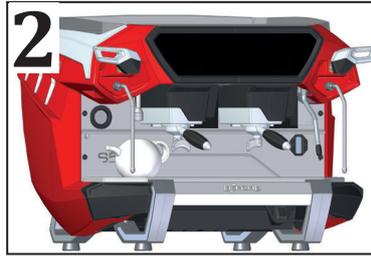


5.7 BOILER WASHING FUNCTION

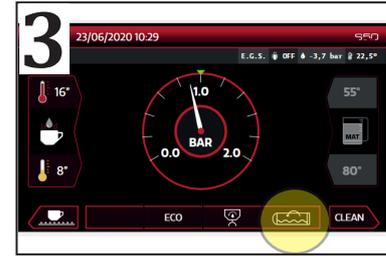
The BOILER WASHING function allows to partially replace the water inside the boiler.



Push the BOILER WASHING button.



The machine is dispensing hot water for 2 minutes from the spout and then automatically refills the water into the boiler



Press BOILER WASHING button again to interrupt the washing cycle in advance.

Note!

Place a container below the hot water spout to empty it from time to time.

Attention!

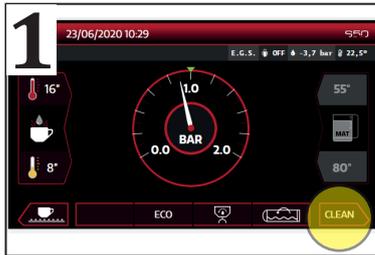
Use protective gloves to avoid possible burns.

Note!

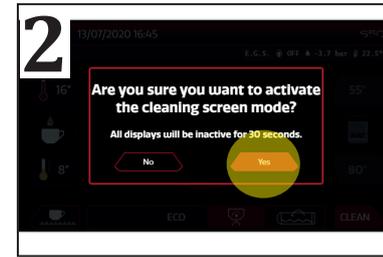
It is recommended to carry out the boiler washing cycle every day at the end of the work.

5.8 CLEANING FUNCTION

The CLEANING function temporarily disables the capacitive display, thus allowing to clean the glass.



Push the CLEANING button.



Push "YES".



For 30" the capacitive displays are disabled. After completion the displays will show the work screen again.



6 PROGRAMMING OF THE MACHINE

Compared to what is described below, the programming may differ in some menus, depending on the settings made during installation and on the firmware version.



Push "Setup" button.



Display will show the secondary menu
SETTINGS - TOOLS - SETUP.



Scroll left to visualize the menu
INFO- CUSTOMIZATION – TECHNICAL.

6.1 SETTINGS MENU



Push "settings" button.



Display visualizes the secondary menu "Language" and "Date Time".

6.2 LANGUAGE

"Language" function allows to set the menu and display in several languages.



Select the language.



Push "Save" button. The main display will power off and back on, by viewing the "HOME" screen in the selected language.



6.3 DATE TIME



Push "Date Time" button.



By using the ARROWS set the current Date Time.



Confirm by pressing "Save" button.

6.4 TIMER

"Timer" function allows to turn on and off the machine automatically at a prearranged time.



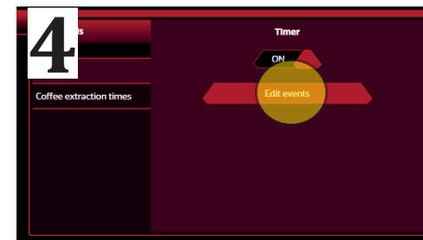
Push "Tools" button.



Push "Timer" button.



Select "ON".



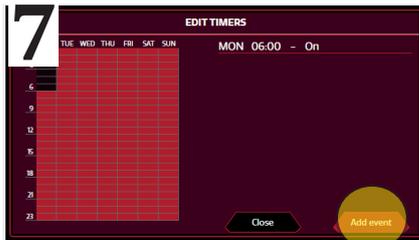
Push "Edit Events" button.



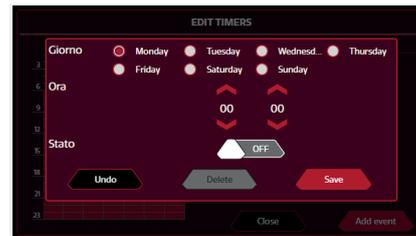
Change the first "event" on the screen by pressing on it.



Select the day and the switching on time and move the cursor to "ON". Confirm with "Save".



To set the time and day of shutdown, press "Add event" again.



Select the day and the time of shutdown and move the cursor to "OFF". Confirm with "Save". To delete an event that has already been set, press "delete".



The preset shutdown time can be seen on the status bar.



If the machine has been turned off by the "Timer", the main display shows the preset switching on time, press yes "Disable timer" to force the switching on.

6.5 COFFEE DELIVERY TIME CONTROL MENU

"Coffee delivery time control" function allows to notify the user in case of incorrect extraction times, referring to previously stored data.



Select "Coffee extraction times".



Move the cursor to "ON" to activate the function.



Select the tolerance expressed in seconds.

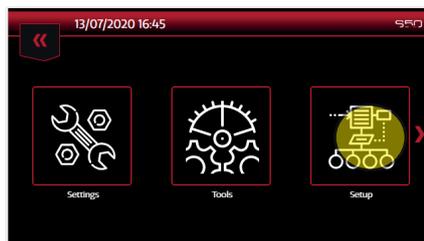


Confirm with "Save".



During the following delivery, if the coffee extraction is within the range of time stored by the service during the installation phase +/- the selected tolerance, the progressive bar will be green. Otherwise, in case incorrect delivery time, it will turn red.

6.6 SETUP MENU



Push "Setup" button.

6.7 BOILER PRESSURE



Push "Boiler pressure".



Push "+" button to increase the boiler pressure. Push "-" button to decrease the boiler pressure.



6.8 COFFEE DOSES



Push the button "Coffee doses".



Push the button "Start dose setup".



Attach the portafilter with the coffee to the 1st, 2nd or 3rd group starting from the right and press the one short coffee button to start the delivery.



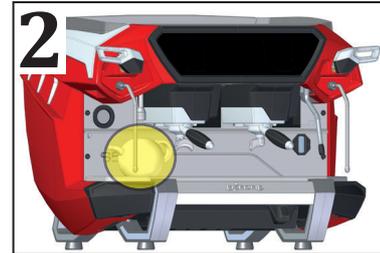
Once the desired amount of coffee in the cup is reached, press the same button to stop the coffee delivery. Repeat the same procedure with the other buttons. Press "Stop" at the end. The group on the right copies the doses on the other groups. In case you want to program the 2nd or 3rd group differently from the others, program the dose buttons of the other groups separately.



6.9 HOT WATER (H2O) DOSE



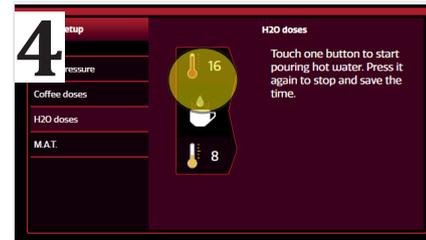
Push the button "HOT WATER (H2O) doses".



Place a jug below the hot water spout.



Press the top button (100% hot water) to start the water delivery.



Once the desired amount of water in the pot is reached, press the same button to stop the water delivery and to memorize it. Repeat the same procedure with the button in the bottom (mixed hot water).

7 INFO MENU



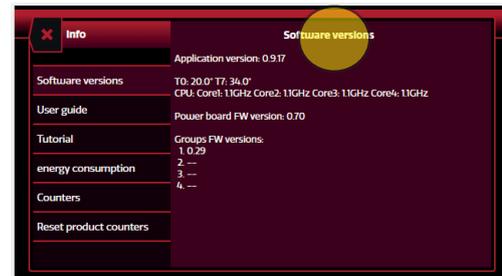
Push "Info" button.

7.1 SOFTWARE VERSIONS

"Software versions" menu allows to know the firmware versions of the various boards.



Push "Software versions" button



The display shows the firmware versions of power, groups and ANDROID application management.



7.2 USER GUIDE

In the "User guide" menu it is possible to display the manual for use and maintenance.



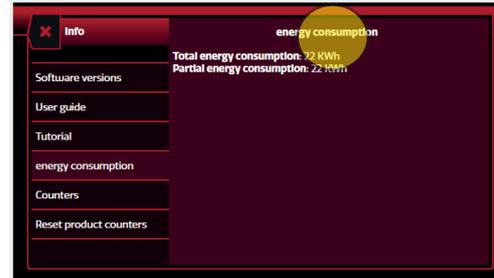
7.3 TUTORIAL

On the "Tutorial" menu it is possible to display a series of videos related to the machine.



7.4 ENERGY CONSUMPTION

In the "Energy consumption" menu it is possible to check the energy consumption of the machine, in KW/h.
N.B. the displayed value may slightly differ from the amount of energy actually used.



7.5 COUNTERS

In the "Counters" menu you can check the number of coffee, tea and steam deliveries (M.A.T.) dispensed by the machine.





7.6 RESET PRODUCT COUNTERS

In the "Reset product counters" menu it is possible to reset the partial coffee, tea and steam (M.A.T.) counters.



Enter the "Reset product counters" menu.



Push "Reset" button.



Push "Yes" button.

7.7 CUSTOMIZATION MENU



7.8 NUMBER OF SELECTIONS

The "Number of selections" menu allows you to select the number of "preset dose" buttons on the group display.



Push "Number of selections" button.



Select "2 Selections" or "6 Selections".



Select "2 Selections" or "6 Selections" and confirm with "SAVE".



6 -dose selection touchpad layout



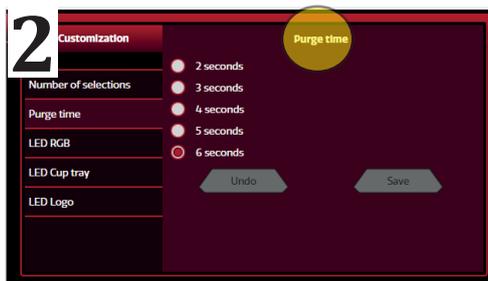
2 -dose selections touchpad layout

7.9 PURGE TIME

The “Time Purge” menu allows you to set the purge button delivery time.



Push “Purge Time” button



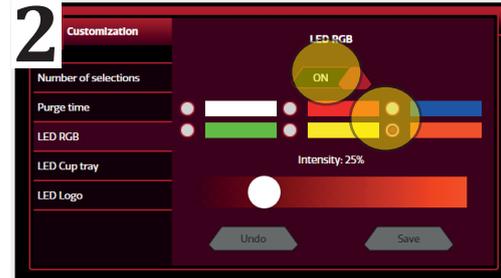
Select the required time and confirm with “Save”.

8 LED RGB

The "Led RGB" menu allows you to set the colours and intensity of the LEDs on the feet and side panels.



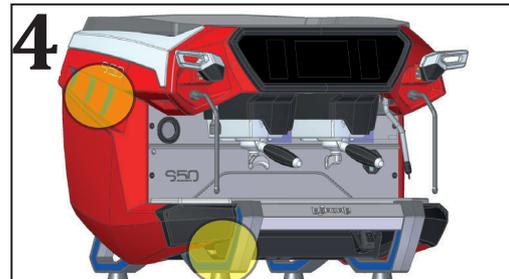
Select "Led RGB".



The cursor on top allows you to turn the RGB LEDs on or off. Select the desired colour.



Adjust the light intensity and confirm with "Save".



The RGB LEDs on the side panels and the feet will take on the selected colour.

8.1 LED CUP TRAY

The "Led Cup Tray" menu allows you to manage the white LEDs that illuminate the cup tray.



Select "Led Cup Tray".



The cursor on top allows you to turn the Cup Tray LEDs on or off.



Select the light intensity of the LEDs and confirm with "Save".



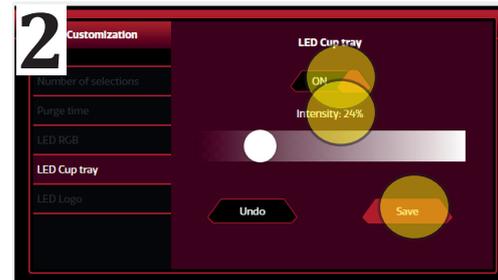


8.2 LED logo

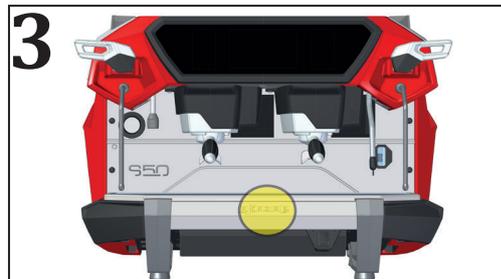
The "LED logo" menu allows you to manage the white LEDs of the front "LA SPAZIALE" logo.



Select "LED logo".



The cursor on top allows you to turn LA SPAZIALE logo on or off. Select the light intensity and confirm with "Save".



9 ALARM MANAGEMENT

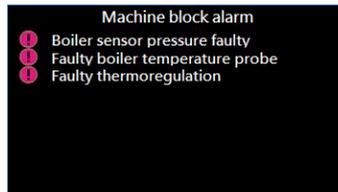
MACHINE BLOCK ALARM MESSAGES

They are alarms referring to GENERAL functions of the machine, originating from components/cases for which it is NOT possible to keep the other functions of the machine enabled.

These alarms cause (subject to the following exceptions) a BLOCK of all the functions of the machine (coffee delivery/ hot water/M.A.T., temperature control, boiler water level control).

When such messages occur, a POPUP showing "MACHINE BLOCK ALARM" is displayed in the main DISPLAY, followed by the description of the type of alarm that originated the BLOCK (see example below).

The POPUP stays on (subject to the following exceptions). To try to "reset" the alarm case it is necessary to turn off and turn on the appliance.



FAULTY THERMOREGULATION

When the boiler pressure transducer and the boiler temperature sensor are both damaged. All machine functions are disabled.

NO WATER PRESSURE

When the water mains pressure sensor detects a pressure = 0 bar (no water supply). All machine functions are disabled. If during the alarm a pressure > 0 bar is detected for 3 consecutive seconds, the alarm and the POPUP will reset automatically.



BOILER TEMPERATURE NOT REACHED

If after 15 minutes from turning on the machine, the boiler temperature sensor does not detect at least 80 °C, all machine functions are disabled.

24 VAC VOLTAGE FAILURE AT THE EV SOLENOID VALVES

When the electronic control board detects the power on the transformer secondary = 0 volts for 3 consecutive seconds, all machine functions are disabled.

FAULTY BOILER WATER LOADING SYSTEM

When at the first switching on, the automatic water refill system stays on for 8 minutes consecutively.
During normal operation, when the automatic water refill system stays on for 4 minutes consecutively.
All machine functions are disabled.

MAIN SERIAL COMMUNICATION FAILED

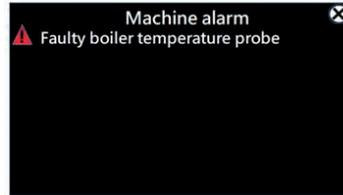
When the communication between the front display and the control board is missing.

NO BLOCK ALARM MESSAGES

These alarms usually cause the block of a specific function, but all the other features of the machines are still active (coffee delivery / hot water / MAT, temperature control, boiler water level control).

When such messages occur a POPUP showing "MACHINE LOCK ALARM" is displayed in the main DISPLAY, followed by the description "MACHINE ALARM" followed by the description of the alarm (see image 1).

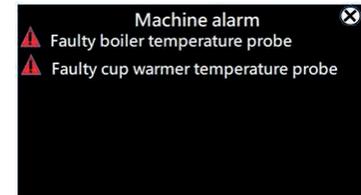
The POP UP stays on for a time of 30" after which it disappears from the main display, and replaced by the symbol "TRIANGLE" in the alarm section of the main display (see image 2). Touching the symbol, a POPUP comes out with the list of the active NO BLOCK ALARM (see image 3).



IMG 1



IMG 2



IMG 3



FAULTY WATER PRESSURE SENSOR

It occurs when the water pressure sensor has failed.

With active alarm, the pressure value detected on the status bar is replaced by two dashes and all the alarms connected to it are silenced (MISSING WATER PRESSURE, HIGH/LOW PUMP PRESSURE).

LOW PUMP PRESSURE

It occurs when after 5 seconds from the delivery start, the pressure detected by the pump is ≤ 6 BAR.

HIGH PUMP PRESSURE

It occurs when after 5 seconds from the delivery start, the pressure detected by the pump is ≥ 12 BAR.

BOILER PRESSURE SENSOR FAULTY

It occurs when the boiler pressure sensor has failed.

N.B: With active alarm, thermoregulation moves to the PT1000 boiler sensor.

FAULTY BOILER TEMPERATURE PROBE

It occurs when the boiler temperature sensor has failed (SHORT CIRCUIT/OPEN CIRCUIT).

FAULTY CUP WARMER TEMPERATURE SENSOR

It occurs when the cup warmer temperature sensor has failed (SHORT CIRCUIT/OPEN CIRCUIT).

FAULTY M.A.T. SYSTEM TEMPERATURE PROBE

It occurs when the M.A.T. temperature sensor has failed (SHORT CIRCUIT/OPEN CIRCUIT).

DELIVERY GROUP ALARMS

They are alarms referring to specific functions connected to the DELIVERY GROUP , which in any case DO NOT cause the COFFEE DELIVERY BLOCK . When the alarm occurs , the respective message is indicated on the display corresponding to the affected group.

The message occasionally occurs during the delivery and disappears at the end of it.

In some other cases , it occurs for 30" even with no delivery in progress and it remains on the main DISPLAY with the "TRIANGLE" symbol.

FAILED FLOW METER DOSING

It occurs when the impulses generated by the flowmeter regulator (Hall effect) are not detected by the electronic control board. When the alarm occurs a POPUP with TRIANGLE SYMBOL with exclamation point shows up in the respective group with the alarm description "FAILED FLOW METER DOSING".

At the end of the delivery the POPUP disappears and there is no evidence of it on the main display.

ITC 3.0 TEMPERATURE PROBE FAILURE

It occurs when the thermocouple of the I.T.C. 3.0 temperature sensor has failed.

With active alarm, on all selections two dashes appear and replace the preset temperature value.

You can reset the alarm selecting I.T.C. OFF in the technical menu , or restoring the proper functioning of the NTC thermocouple after switching off and on the machine.

PRESSURE PROFILING SYSTEM DEFECTIVE

It occurs In case of a malfunction of the pressure profiling system (DRIVER, MOVEMENT OF THE MOTORIZED VALVE).

With the active alarm, during the delivery, you have the visualization of the symbol of TRIANGLE with exclamation point instead of the preinfusion curve.

You can reset the alarm selecting PREINFUSION PRESSURE "OFF" in the Technical Menu or restoring the functioning of the system by switching off and on the machine.



GROUP SERIAL COMMUNICATION FAILED

This alarm occurs when serial communication between group and control board is missing.

With active alarm, the corresponding group is deactivated (same visualization of when ECO is active) with the symbol TRIANGLE with exclamation point active instead of the S50 logo.

You reset the alarm when the serial communication is restored by switching off and on the machine.

10 ORDINARY MAINTENANCE BY THE USER

Note!

To grant the efficiency of the appliance and to maintain correct operation, it is necessary to follow the manufacturer's instructions as to cleaning and regular maintenance.

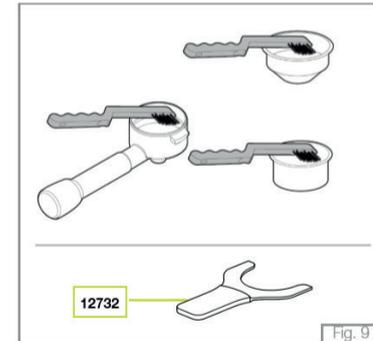
Attention!

Cleaning and routine maintenance operations must be carried out by the user according to the manufacturer's instructions given here below. Before performing any cleaning operation, make sure the machine is unplugged from the power supply. Cleaning and routine maintenance operations must be carried out when the machine is cold and using protective gloves to prevent abrasions.

10.1 EVERY DAY AT THE END OF DAILY WORK

- Replace the water in the boiler utilising the BOILER WASHING function (refer to chap. 5.7, page 19).
- Then clean the filter holders and the filters* with the brush provided, making sure no dirt is left inside the filter holders and that all and that all filter holes are well clean.
- Clean the delivery groups.

*) To remove easy the filters it is possible to use the COMPLETE FILTER EXTRACTION code 12732 (Optional).

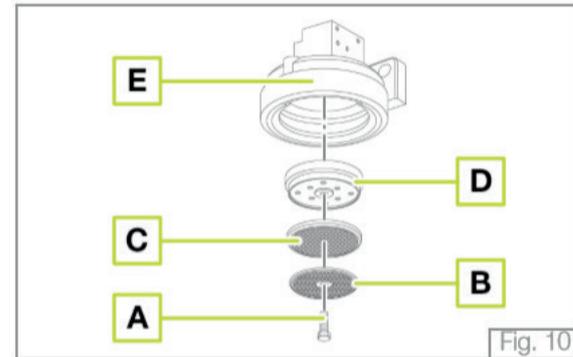


- Furthermore, clean the coffee delivery groups with a small brush between one dispensing and another.
- Clean the drip tray and the cup grid, using the standard detergents available on the market, if necessary.

10.2 EVERY 3 DAYS

After turning off the machine, remove the shower heads using the wrench provided; brush them carefully, making sure that all the holes are clean. Then reassemble the parts following the sequence shown in the picture.

- a. Fastening screw
- b. Small shower head
- c. Large shower head
- d. Shower head block
- e. Delivery group



Find out more about > <http://www.laspaziale.com/index.php/it/video>

Attention!

At the end of each workday and after performing the daily cleaning operations, switch off the machine by turning the electrical switch on "0" and close the water mains tap.

⚠ Attention!

Do not use water jets to clean the machine.

WATER SOFTENER:

If the installation of a water softener has been recommended by the installation engineer because of hard water and problems of scale deposits, it is necessary to follow the instructions of the water softener's manufacturer (periodic regeneration).

MACHINE BODY:

Clean the body of the machine using mild detergents to avoid any damage.
We recommend not to use abrasive sponges that could damage the body panels.

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La Spaziale S.p.A.
Via E. Duse, 8 40033
Casalecchio di Reno Bologna - (Italy)

 +39 051 611.10.11

 +39 051 611.10.11

 +39 051 611.10.40

 info@laspaziale.com



Design by LA SPAZIALE S.p.A.