

***Coffee has been used to factory test the appliance and it is therefore completely normal for there to be traces of coffee in the mill. This appliance is however guaranteed to be new.
The grinding coarseness regulator should only be turned when the coffee mill is on.***

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IMPORTANT SAFEGUARDS

When using electrical appliances, basic safety precautions should always be followed, including the following:

- Read all instructions.
- Do not touch hot surfaces. Use handles and knobs.
- To protect against fire, electrical shock and personal injury, do not immerse cord, plug or appliance in water or other liquid.
- Never allow the appliance to be used by children.
- Unplug from the outlet when not in use and before cleaning. Allow to cool before fitting or taking off parts, and before cleaning the appliance.
- Do not operate with a damaged cord or plug, or after the appliance malfunctions, or has been damaged in any manner. Return the appliance to the nearest authorized service facility for examination, repair or adjustment.
- The use of accessory attachments or spare parts not recommended by the appliance manufacturer may result in fire, electrical shock or personal injury.
- Do not use outdoors.
- Do not let the cord hang over the edge of the table or counter, or touch hot surfaces.
- Do not place on or near a hot gas or electrical burner, or in a heated oven.
- Plug cord into the wall outlet. To disconnect, turn any control to "off", then remove plug from wall outlet.
- Do not use the appliance for other than the intended use. This appliance is to be utilized for domestic use only. Any other use is to be considered improper and therefore, dangerous.

WARNING: To reduce the risk of fire or electric shock, do not remove the cover.

No user serviceable parts inside. Repair should be done by authorized service personnel only!

SAVE THESE INSTRUCTIONS

THIS PRODUCT IS FOR HOUSEHOLD USE ONLY

SHORT CORD INSTRUCTIONS

- A short power cord is provided to reduce risks resulting from becoming entangled in or tripping over a longer cord.
- Longer, detachable power supply cords or extension cords are available and may be used if care is exercised in their use.
- If an extension cord is used, the marked electrical rating should be at least as great as the electrical rating of the appliance. If the appliance is provided with 3- wire, grounding type cord, the extension should be a GROUNDING TYPE 3 - WIRE CORD. The longer cord should be arranged so that it will not drape over the counter-top or table top where it can be pulled on by children or tripped over.
- Your product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

1 DESCRIPTION (SEE PAGE 3)

- A. Cup warmer tray
- B. Steam knob
- C. Steam spout
- D. Cappuccino frother
- E. Water tank (removable)
- F. Cup tray
- G. Drip tray (removable)
- H. Service door
- I. Coffee spout (adjustable in height)
- J. Control panel
- K. Bean container lid
- L. Central lid for ground coffee
- M. Infuser
- N. Power cable
- O. Cappuccino frother (removable)
- P. Cappuccino frother nozzle (removable)
- Q. Measuring scoop for pre-ground coffee
- R. Coffee grounds container (removable)
- S. Grinding coarseness regulator
- T. Coffee beans container
- U. Compartment for measuring scoop
- V. Ground coffee funnel
- W. Mobile drawer

Control Panel

- 1. Display;
- 2. Appliance ON/OFF button;
- 3. Coffee strength selection button;
- 4. One shot espresso button;
- 5. Two shots espresso button;
- 6. One long coffee button;
- 7. Button to select ground coffee or, if the MENU light is on, to display the next parameter on the menu;
- 8. Button to select hot water or, if the MENU light is on, to change the menu parameters;
- 9. Button to rinse the appliance or, if the MENU light is on, to confirm the menu parameters;
- 10. Button to activate or deactivate menu parameter setting mode;
- 11. MENU light;

2 SAFETY WARNINGS

READ THESE INSTRUCTIONS CAREFULLY AND KEEP FOR FUTURE CONSULTATION!

- This appliance is designed to "make espresso coffee" and "hot drinks". Use with care to avoid scalds from the water and steam jets or through incorrect use.
- This appliance is intended for domestic use only. Any other use is considered improper and thus dangerous.
- The manufacturer is not liable for damage caused by improper, incorrect or unreasonable use of the appliance.
- When using the appliance, do not touch the hot surfaces.
- Do not touch the appliance with damp hands or feet.
- Do not allow children or infirmed persons to use the appliance unsupervised.
- Never allow children to play with the appliance.
- In the event of failure or malfunction, unplug the appliance from the outlet and do not tamper with it in any way. If it requires repair, contact an authorized service center only and ask for original spare parts to be used. Failure to respect the above could reduce the safety of the appliance.

3 INSTALLATION

- After removing the packaging, make sure the product is complete and undamaged. If in doubt, do not use the appliance and contact a qualified professional.
- Packing elements (plastic bags, polystyrene etc) must not be left within reach of children as they may represent a hazard.
- Place the appliance on a work surface far away from water taps, basins and sources of heat.
- After positioning the appliance on the work top, leave a space of at least 2 in (5 cm) between the surfaces of the appliance and the side and rear walls and at least 8 in (20 cm) above the coffee maker.
- Never install the appliance in environments where the temperature may reach freezing or below freezing temperatures (the appliance could be damaged if the water freezes).
- Connect the appliance to a grounded socket with a minimum current rating of 10amps. The manufacturer is not liable for possible accidents caused by failure to do so.
- If the power socket does not match the plug on the appliance, have the socket replaced with a suitable type by a qualified professional.
- The power cable on this appliance must not be replaced by the user as this operation requires the use of special tools. If the cable is damaged or requires replacing, contact an authorized service center only to avoid all risks.
- You should personalize water hardness as soon as possible following the instructions in section 12.6.

To learn how to operate the appliance correctly, when you use it for the first time, follow the step-by-step instructions given in the following sections.

4 USING FOR THE FIRST TIME

1. The first time you use the appliance, select the language.

To set English, plug the appliance into the outlet and wait for the appliance to display:

PRESS OK TO SELECT ENGLISH

Press the **OK** button for at least 3 seconds until the appliance displays:

ENGLISH SELECTED

The appliance then displays the setting message in English.

2. After a few seconds, the appliance displays:

FILL TANK

To fill, remove the tank (fig. 1), rinse and fill with fresh water. Never exceed the MAX line.

(When removing the tank, the cappuccino frother must always be positioned towards the center of the appliance, otherwise the tank cannot be removed).

Put the tank back and **push as far as it will go**.

3. The appliance now displays:

TURN THE STEAM KNOB

Move the cappuccino frother outwards (fig. 2) and place a cup underneath it.

Turn the steam knob counterclockwise as far as it will go (fig. 3).

After a few seconds, a little water runs out of the cappuccino frother. When the cup contains about 1 oz of water, turn the steam knob clockwise (fig. 4) as far as it will go to terminate the flow of water.

4. The appliance now displays:

TURNING OFF PLEASE WAIT ...

and it goes off.

5. Fill the container with coffee beans (fig. 5).

IMPORTANT: to prevent malfunction, never fill with ground coffee, freeze dried coffee, oily beans or anything else which could damage the appliance.

6. Press the ① (fig. 6), The appliance displays:

HEATING UP PLEASE WAIT ...

to indicate that preheating is underway.

7. When preheating is complete, the appliance displays:

RINSING COMPLETED PLEASE WAIT ...





and performs an automatic rinse cycle (a little hot water runs out of the spouts and is collected in the drip tray beneath).

Tip: if you want to make a short coffee (less than 2 oz), to make it hotter, fill the cup with this hot rinsing water first. Leave it for a few seconds then empty it to preheat the cup.

8. The appliance now displays the ready message:

READY STRONG TASTE

5 PREPARING COFFEE (USING COFFEE BEANS)

1. The appliance is preset to make coffee with a strong taste. You can also choose coffee with a mild or regular taste. To choose the required taste, press the  button (fig. 7). The selected coffee taste will be displayed.
2. Place 1 cup under the spouts to make 1 shot (fig. 8) or 2 cups for 2 shots (fig. 9). For a creamier coffee, lower the spouts to bring them as close to the cups as possible (fig. 10).
3. Press the  button to make one shot espresso (fig. 11), the  button for two shots espresso and the  button for a long coffee.

To change the quantity of coffee delivered automatically into the cup, follow the instructions in section 6.

(The appliance now grinds the beans and starts brewing the coffee into the cup.

Once the desired quantity has been reached, the appliance automatically stops delivering the coffee and ejects the grounds into the coffee grounds container).

4. After a few seconds, the ready message is displayed again and you can make another coffee.

5. To turn the appliance off, press the ① button.

Before going off, the appliance performs an automatic rinse cycle (a little hot water runs out from the spouts and is collected in the drip tray beneath). Take care to avoid scalds.


NOTE 1: If the coffee is delivered a drop at a time or not at all, turn the grinding coarseness regulator (fig. 15) one click clockwise (see section 7).




Turn one click at a time until the coffee is delivered adequately. **The grinding coarseness regulator must only be turned when the coffee mill is on.**




NOTE 2: If the coffee is delivered too fast and is not creamy enough, turn the grinding coarseness regulator (fig. 15) one click counterclockwise (see section 7). Turn one click at a time until the coffee is delivered adequately. Avoid turning the grinding coarseness regulator excessively otherwise when you select 2 cups, the coffee may run out in drips.

The grinding coarseness regulator must only be turned when the coffee mill is on.

NOTE 3: *Tips to make hotter coffee:*

- **When you turn the appliance on**, if you want to make a short coffee (less than 2 oz), use the hot rinse-through water to preheat the cups.
If **2-3 minutes have passed**, since you last made coffee, before making coffee again you must preheat the infuser by pressing the  button (fig. 12).
Run off the water into the underlying drip tray or alternatively use this water to fill (and then empty) the cup to be used for the coffee, so as to preheat it.
- Unless preheated, do not use cups that are too thick, as they will absorb too much heat.
- Use cups that have been preheated by rinsing them with hot water or by leaving them for at least 20 minutes on the cup warmer tray on top of the appliance with the appliance on.

NOTE 4: While the appliance is making the coffee, **delivery can be stopped at any time** by pressing the ,  or  button as previously selected.

NOTE 5: As soon as delivery is complete, to **increase the quantity** of coffee, simply press and hold the ,  or  button as previously selected, until the desired quantity is reached (this operation must be performed within 3 seconds from when coffee delivery from the spouts ceases).

NOTE 6: *When the appliance displays:*

FILL TANK

the water tank must be refilled or the appliance will not make coffee.

(It is normal for there to be a little water left in the tank when the message is displayed).

NOTE 7: The appliance counts the number of coffees made.

Every 14 single coffees (or 7 doubles) the appliance displays:

EMPTY GROUNDS CONTAINER

indicating that the grounds container is full and must be emptied and cleaned. Until the grounds container has been cleaned, the appliance continues to display the message and cannot make coffee.

To clean, open the service door at the front by pulling the spout (fig. 13), remove the drip tray (fig. 14), empty and clean.

Empty the grounds container and clean thoroughly, making sure all residue deposited on the bottom are removed.

IMPORTANT: When removing the drip tray, the grounds container **MUST** be emptied, even if it is not completely full. If this is not done, when making your next coffee, the grounds in the container may exceed the maximum level and block the appliance.

NOTE 8: While the appliance is delivering coffee, **never remove the water tank**. If it is removed, the appliance will not be able to make the coffee.

To reset the appliance, turn the steam knob counterclockwise as far as it will go and run off water from the cappuccino frother for a few seconds.

When using the appliance for the first time, 4-5 cups of coffee need to be made before the appliance starts to give satisfying results.

If the appliance malfunctions, do not contact the service center right away.

The problem can almost always be resolved by following the instructions indicated in sections 14 and 15.

If this is not the case, or for further explanations, contact customer service by calling the number listed in the warranty or visit www.delonghi.com for a list of service centers near you. (U.S. and Canada)

6 CHANGING THE QUANTITY OF COFFEE IN THE CUP

The appliance is factory preset to automatically deliver the following quantities of coffee:

- 1 shot espresso (when the ☕ button is pressed);
- 2 shots espresso (when the ☕☕ button is pressed);
- long coffee (when the ☕☕☕ button is pressed);

To change these quantities, proceed as follows:

- press the button corresponding to the quantity you want to change (☕ , ☕☕ or ☕☕☕) for at least 8 seconds until the message "PROGRAM QUANTITY" is displayed;
- when the coffee in the cup reaches the required level, press the same button again to memorize the new amount.

7 REGULATING THE COFFEE MILL

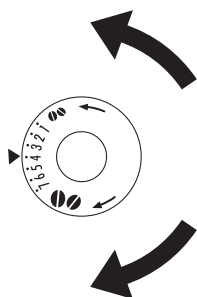
After making the first coffees, if you find that coffee delivery is either too fast or too slow (in drips), the grinding coarseness regulator can be adjusted (fig. 15).

Turning it 1 click (1 number) clockwise speeds up coffee delivery (without drips).

Turning it 1 click counterclockwise slows down delivery giving a creamier appearance to the coffee.

These adjustments will only be evident after at least 2 cups of coffee have been brewed.

The grinding coarseness regulator must only be turned when the coffee mill is on.




Turn counterclockwise to obtain finer ground coffee, slower delivery and a creamier appearance.




Turn clockwise for coarser ground coffee and faster delivery (not a drop at a time).

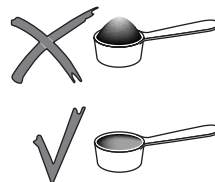
(Coffee has been used to factory test the appliance and it is therefore completely normal for there to be traces of coffee in the mill. This appliance is however guaranteed to be new).

8 PREPARING ESPRESSO/COFFEE USING GROUND COFFEE (INSTEAD OF BEANS)

- Press the  button (fig. 16) to select the ground coffee function. This disables the coffee mill function. The appliance displays

READY PRE-GROUND

- Lift the central lid, place one level measure of ground coffee in the funnel (see fig. 17) and proceed as described in section 5. Note: You can make just one coffee at a time by pressing the ,  or  button once only.



NOTE 1: Never add the ground coffee when the appliance is off to avoid it being dispersed inside the appliance.


NOTE 2: Never add more than one level measured scoop, otherwise either the appliance will not make the coffee, the ground coffee will be lost inside the appliance, dirtying it, or the coffee will run off in drips and the message "GROUND TOO FINE ADJUST GRINDER AND OPEN STEAM" will be displayed.




NOTE 3: When measuring the quantity of coffee to be added, use the measuring scoop supplied only.

NOTE 4: Use ground coffee for espresso coffee makers only. Do not use coffee beans, freeze-dried coffee or other materials that could damage the appliance.


NOTE 5: If the funnel blocks due to moisture inside the appliance or if more than one measure of pre-ground coffee has been used, use a plastic knife to push the coffee down (Fig. 18), then remove and clean the infuser and appliance as described in section 11.2 "Cleaning the infuser".

- Once the coffee has been delivered, to go back to making coffee using beans, deactivate the ground coffee function by pressing the  button again (the light goes off and the coffee mill is enabled for operation again).

9 PRODUCING HOT WATER

- Always make sure the appliance is ready.
- Turn the cappuccino frother towards the outside of the appliance and place a container under it (fig. 2).
- Press the  (fig. 19). The appliance displays:

READY HOT WATER

- Turn the steam knob half a turn counterclockwise as far as it will go (fig. 3). Hot water runs from the cappuccino frother and starts to fill the container underneath. You should not run hot water for more than 2 minutes at a time.
- To interrupt hot water delivery, turn the steam knob clockwise as far as it will go (fig. 4) and place the cappuccino frother in the original position near the center of the appliance.
- To deactivate the hot water function, press the  (fig. 19).

10 PREPARING CAPPUCCINOS (USING STEAM)

- Move the cappuccino frother outwards (fig. 2).
- Place an empty container under the cappuccino frother. Turn the steam knob a half turn counterclockwise as far as it will go (fig. 3). The appliance displays:

STEAM

Allow the steam mixed with water to run off for a few seconds until steam only is given off.

- To interrupt steam delivery, rotate the knob clockwise as far as it will go (fig. 4).
- Empty the container then fill it with about 3.5 oz of milk for each cappuccino to be prepared. In choosing the size of the container, bear in mind that the milk doubles or triples in volume. You are recommended to use skim or semi-skimmed milk at refrigerator temperature.
- Dip the cappuccino frother into the pitcher containing the milk (fig. 2), taking care not to immerse the raised line on the cappuccino frother (indicated by the arrow in fig. 20). Turn the steam knob a half turn counterclockwise as far as it will go (beware of burns). Steam is discharged from the cappuccino frother, giving the milk a creamy frothy appearance. To obtain a creamier froth, dip the cappuccino frother into the milk and rotate the container with slow movements from the bottom upwards. (You should not discharge steam for more than two minutes at a time).
- Once the required temperature is reached, interrupt steam delivery by rotating the knob clockwise as far as it will go (fig. 4).
- Prepare the coffee as described previously, using large enough cups, then fill with the frothed milk prepared previously. The cappuccino is ready. Sweeten to taste and, if desired, sprinkle the froth with a little cocoa powder.

IMPORTANT: always clean the cappuccino frother immediately after use. Proceed as follows:

- Discharge a little steam for a few seconds by rotating the steam knob. This empties any milk left inside the steam spout.
IMPORTANT: To guarantee cleanliness, you are recommended to follow this procedure each time you make cappuccino to avoid milk stagnating in the cappuccino nozzle.
- Turn the steam knob clockwise as far as it will go.
- Wait a couple of minutes for the cappuccino frother to cool down then with one hand hold the cappuccino spout handle firm and with the other unscrew the cappuccino frother itself by rotating clockwise and extracting downwards (fig. 21).
- Remove the nozzle from the steam spout by pulling it downwards (fig. 22).
- Carefully wash the cappuccino frother and steam nozzle in warm water.
- Make sure the two holes shown in fig. 23 are not blocked. If necessary, clean with a pin.
- Replace the steam nozzle by inserting it and vigorously turning it upwards into the steam spout.
- Replace the cappuccino frother by pushing it upwards and turning it counterclockwise.

11 CLEANING AND MAINTENANCE

Before performing any cleaning operations, leave the appliance to cool down and unplug from the outlet.

Never immerse the coffee maker in water. It is an electrical appliance.

Do not use solvents or abrasive cleaning products to clean the appliance. A soft damp cloth will suffice.

NEVER wash ANY of the components of the appliance in a dishwasher.

11.1 Cleaning the coffee maker

Clean the grounds container (as described in section 5, note 7) whenever it requires emptying.

The water tank should also be cleaned regularly.

The drip tray is fitted with a level indicator (red) showing the level of water it contains.

When the indicator starts to become visible (a few millimeters under the drip tray), the drip tray must be emptied and cleaned.

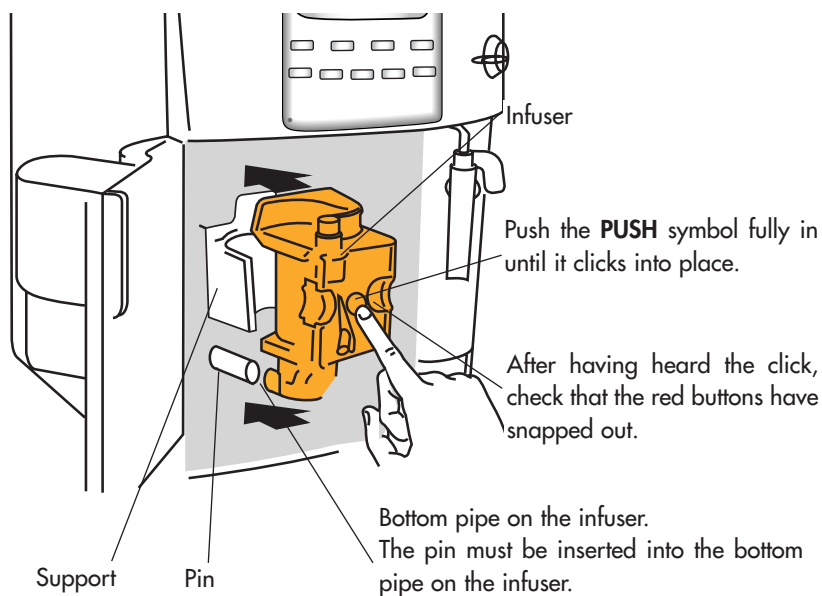
Check that the holes in the coffee spout are not blocked. To unblock them, scrape the dry coffee residues away with a needle (fig. 24).

11.2 Cleaning the infuser

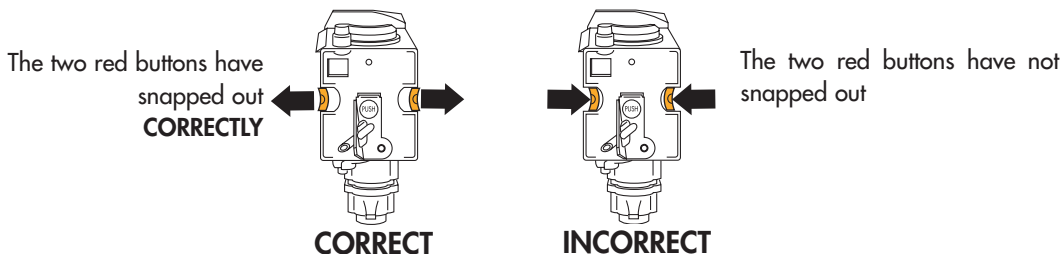
The infuser must be cleaned regularly to avoid the build-up of coffee encrustations which could cause malfunction.

Proceed as follows:

- Turn the appliance off by pressing the ① button (fig. 6) (do not unplug) and wait for the display to go off;
- Open the service door (fig. 13);
- Remove the drip tray and the grounds container (fig. 14) and clean;
- Press the two red release buttons on the infuser (fig. 25) and pull it out;
- **IMPORTANT: THE INFUSER CAN ONLY BE REMOVED WHEN THE APPLIANCE IS OFF. ATTEMPTING TO REMOVE THE INFUSER WITH THE APPLIANCE ON MAY CAUSE SERIOUS DAMAGE.**
- Wash the infuser under running water, without using detergents. Never wash the infuser in the dishwasher;
- Clean the inside of the appliance thoroughly. To remove coffee encrustations from the inside of the appliance, scrape with a plastic or wooden fork (fig. 26) then vacuum up the residues with a vacuum cleaner (fig. 27);
- Replace the infuser by sliding it onto the supports and pin at the bottom, then push the PUSH symbol fully in until it clicks into place.



Check that the two red buttons have snapped out, otherwise the door cannot be closed.



NOTE 1: If the infuser is not inserted correctly until it clicks into place and the two red buttons have not snapped out, the service door cannot be closed.

NOTE 2: If it is hard to insert the infuser, before inserting it squeeze it to the right size by pressing it forcefully from the top and bottom simultaneously, as shown in figure 28.

NOTE 3: If it is still hard to insert the infuser, leave it out of the appliance, close the service door, unplug from the outlet then plug in again.

Wait for all the lights to go off, then open the door and replace the infuser.

- replace the drip tray, complete with the grounds container;
- close the service door.

12 CHANGING AND SETTING THE MENU PARAMETERS

The following menu parameters and functions can be changed by the user:

- Clock
- Auto-start time
- Descaling process
- Coffee temperature
- Length of time the appliance remains on
- Water hardness
- Factory default values

12.1 Setting the clock

To set the clock, proceed as follows:

- Press the **MENU'** button (the light over the button comes on) then press the **NEXT** button repeatedly until the appliance displays

CLOCK 00:00

- Press the **CHANGE** button to set the clock. (If you hold the **CHANGE** button down, the time is changed rapidly).
- Press the **OK** button to confirm the value;
- Press the **MENU'** button to exit programming mode or **NEXT** to change other parameters.

12.2 Setting auto-start time

This programs the time the appliance will come on automatically.

- Make sure the clock on the appliance is set as described above.
- Press the **MENU'** button then press the **NEXT** button repeatedly until the appliance displays:

START TIME 00:00

- Press the **CHANGE** button to set the auto-start time. (If you hold the **CHANGE** button down, the time is changed rapidly).
- Press the **OK** button to confirm the value,
- Press **NEXT** once and the appliance displays the message:

AUTO-START NO

Press the **CHANGE** button to modify the function (the appliance displays AUTO-START YES);

- Press the **OK** button to activate auto-start;
- Press the **MENU'** button to exit programming mode or the **NEXT** button to change other parameters.

12.3 Descaling

Over time, the continuous heating up of the water used to make the coffee leads to lime scale building up in the inner circuits of the appliance.

When the appliance displays the message:

DESCALE

You should perform the descale cycle.

Proceed as follows:

- make sure the appliance is ready.
- press the **MENU'** button (the light over the button comes on) then press the **NEXT** button repeatedly until the appliance displays:

DESCALE NO

- Press **CHANGE** and the appliance displays the message:

DESCALE YES

- Press the **OK** button to start the descale program.
- Empty the water tank and pour in the contents of the descaler with water. The amount of water to be used is based on the manufactures's directions provided on the descaler. For subsequent descaling operations, descaling solution can be purchased from authorized technical service centers.

Note: Make sure splashes of descaler do not fall onto surfaces sensitive to acid such as marble, limestone and glaze.

- Place a plastic or glass container with a minimum capacity of 50 oz under the cappuccino frother (Fig. 3);
- Turn the steam knob half a turn counterclockwise (fig.3). The descaling solution will run out of the cappuccino frother and start to fill the container underneath.
- The descale program automatically performs a series of run offs and pauses to remove lime scale deposits from inside the coffee maker.
- After about 30 minutes, the appliance displays:

DESCALING COMPLETED TURN KNOB

- Turn the steam knob a half turn clockwise as far as it will go (fig. 4).

The appliance must now be rinsed through to eliminate residues of descaling solution from inside the appliance. Proceed as follows:

- Remove the water tank, rinse and fill with clean water.
- Reposition the tank.
- Empty the collection container (under the cappuccino frother) full of liquid and then put it back under the cappuccino frother.
- Turn the steam knob a half turn counterclockwise (fig. 3).

Hot water will run off from the cappuccino frother into the container below and the appliance displays:

RINSING

- When the water tank is empty, the appliance displays the message:

RINSING COMPLETED TURN KNOB

- Turn the steam knob clockwise as far as it will go (fig. 4) and refill the water tank with clean water.
- The descale program is now complete and the appliance is ready to make coffee again.

NOTE: if the descaling cycle is interrupted before completion, the appliance continues to display the descale message and the program must be started again from the beginning.

IMPORTANT: FAILURE TO DESCALE THE APPLIANCE REGULARLY INVALIDATES THE GUARANTEE.

12.4 Changing coffee temperature

To change the temperature of the coffee, proceed as follows:

- Press the **MENU'** button (the light over the button comes on) then press the **NEXT** button repeatedly until the appliance displays:

TEMP. WARM

- Press the **CHANGE** button until the appliance displays the desired coffee temperature
- Press the **OK** button to confirm the temperature selected;
- Press the **MENU'** button to exit programming mode or **NEXT** to change other parameters.

12.5 Changing the length of time the appliance remains on

The appliance is factory preset to go off automatically one hour after the last coffee has been made.

The number of hours the appliance remains on can be increased as follows:

- Press the **MENU'** button (the light over the button comes on) then press the **NEXT** button repeatedly until the appliance displays:

OFF AFTER 1 HOUR

- Press the **CHANGE** button to change the number of hours the appliance remains on
- Press the **OK** button to confirm the value;
- Press the **MENU'** button to exit programming mode or **NEXT** to change other parameters.

12.6 Setting water hardness

The descale message is displayed after the appliance has been operated for a factory set period of time calculated on the basis of the maximum quantity of lime scale which may be contained in the water used. If necessary, this period of operation can be extended, making descaling less frequent, by programming the appliance based on the actual lime content in the water used. Proceed as follows:

- Remove the "Total Hardness Test" strip (enclosed on page 2) from its packaging then dip it fully in the water tank for a few seconds. Remove it and wait about 30 seconds (until it changes color and a number of dots are formed);
- Turn the appliance on by pressing the **①** button (fig. 6).
- Press the **MENU'** button (the light over the button comes on) then press the **NEXT** button repeatedly until the appliance displays:

WATER HARDNESS 4

- Press the **CHANGE** button repeatedly until the number coincides with the number of squares on the test strip (for example, if there are 3 squares on the test strip, press the button until **WATER HARDNESS 3** is displayed).
- Press the **OK** button to confirm the value. The coffee maker is now programmed to provide the descaling warning when necessary, based on the actual hardness of the water.

12.7 Resetting factory default settings

If you change the original values, the factory default values can be reset as follows:

- Press the **MENU'** button (the light over the button comes on) then press the **NEXT** button repeatedly until the appliance displays:

RESET TO DEFAULT NO

- Press the **CHANGE** button and the appliance displays "*RESET TO DEFAULT YES*";
- Press the **OK** button to reset the factory default values;
- Press the **MENU'** button to exit programming mode or **NEXT** to change other parameters

13 CHANGING THE LANGUAGE

To change the language, proceed as follows:

- Press the **OK** button for at least 5 seconds until the appliance displays:

PRESS OK TO SELECT ENGLISH

and press the **OK** button for at least 3 seconds to confirm. The appliance then displays the setting message in English.






14 TROUBLESHOOTING



MESSAGE	MEANING	WHAT TO DO
<i>FILL TANK</i>	<ul style="list-style-type: none"> • The water tank is empty or is positioned incorrectly. • The tank is dirty or encrusted with lime scale. 	<ul style="list-style-type: none"> • Fill the water tank as described in section 5, note 6 and insert it fully. • Rinse or descale the tank.
<i>GROUND TOO FINE ADJUST GRINDER AND OPEN STEAM</i>	<ul style="list-style-type: none"> • The appliance cannot make coffee • The coffee runs off too slowly. 	<ul style="list-style-type: none"> • Turn the steam knob counterclockwise (fig. 3) as described in section 5 note 10. • Turn the grinding regulator (fig. 15) one click clockwise (see section 7).
<i>EMPTY USED COFFEE CONTAINER</i>	<ul style="list-style-type: none"> • The grounds container is full or missing. 	<ul style="list-style-type: none"> • Empty the grounds container and clean as described in section 5, note 7, then replace.
<i>INSERT USED COFFEE</i>	<ul style="list-style-type: none"> • After cleaning, the grounds container has not been replaced. 	<ul style="list-style-type: none"> • Open the service door and insert the grounds container.

MESSAGE	MEANING	WHAT TO DO
<i>ADD PRE-GROUND COFFEE</i>	<ul style="list-style-type: none"> With the ground coffee function selected, ground coffee has not been poured into the funnel. 	<ul style="list-style-type: none"> Add the ground coffee as described in section 8.
<i>FILL BEANS CONTAINER</i>	<ul style="list-style-type: none"> The coffee beans have run out. If the coffee grinder is very noisy, this means a small stone in the coffee beans has blocked the mill. 	<ul style="list-style-type: none"> Fill bean container Contact an authorized De'Longhi service center.
<i>DESCALE</i>	<ul style="list-style-type: none"> This indicates the presence of lime scale in the appliance. 	<ul style="list-style-type: none"> The descaling procedure, described in section 12.3, needs to be performed as soon as possible.
<i>PRESS NEXT+ CHANGE</i>	<ul style="list-style-type: none"> After cleaning, the infuser has probably been left out of the coffee maker. 	<ul style="list-style-type: none"> Leave the service door closed and the infuser out of the appliance, then follow the instructions displayed.
<i>CLOSE DOOR</i>	<ul style="list-style-type: none"> The service door is open. 	<ul style="list-style-type: none"> If the service door cannot be closed, check that the infuser is inserted correctly (section 11.2 - note 1).
<i>INSERT BREWING UNIT</i>	<ul style="list-style-type: none"> After cleaning, the infuser has probably been left out of the coffee maker. 	<ul style="list-style-type: none"> Insert the infuser, see section 11.2.
<i>GENERIC ALARM</i>	<ul style="list-style-type: none"> The inside of the appliance is very dirty. 	<ul style="list-style-type: none"> Thoroughly clean the inside of the appliance, as described in section 11.2. If the message is still displayed after cleaning, contact a service center.

15 PROBLEMS THAT CAN BE RESOLVED BEFORE CALLING THE SERVICE CENTER

If the appliance is not working, the causes of the malfunction can be identified and resolved by referring to section 14. If, on the other hand, no message is displayed, run the following checks before calling the service center.

PROBLEM	CAUSE	SOLUTION
The coffee is not hot	<ul style="list-style-type: none"> The cups have not been preheated. The infuser is too cold 	<ul style="list-style-type: none"> Heat the cups by rinsing them in hot water or leaving them for at least 20 minutes on the cup warmer tray on the lid (see note 3, section 5). Heat the infuser by pressing the  button before making the coffee (fig. 12, see note 3, section 5).
The coffee is not creamy enough	<ul style="list-style-type: none"> The coffee is ground too coarsely Wrong type of coffee is being used. 	<ul style="list-style-type: none"> Turn the grinding regulator one click counterclockwise (see section 7). Use a type of coffee for espresso coffee makers.
The coffee runs out too slowly.	<ul style="list-style-type: none"> The coffee is ground too finely. 	<ul style="list-style-type: none"> Turn the grinding regulator one click clockwise (see section 7).
The coffee runs out too quickly.	<ul style="list-style-type: none"> The coffee is ground too coarsely. 	<ul style="list-style-type: none"> Turn the grinding regulator one click counterclockwise (see section 7).
The coffee does not come out of one of the spouts.	<ul style="list-style-type: none"> The spout holes are blocked. 	<ul style="list-style-type: none"> Scrape off the dry coffee residues with a needle (fig. 24).
When the steam knob is turned, no steam comes out of the cappuccino frother	<ul style="list-style-type: none"> The holes in the cappuccino frother and steam nozzle are clogged. 	<ul style="list-style-type: none"> Clean the holes in the cappuccino frother and the steam nozzle (see section 10 - fig. 23).
When the  ,  or  button is pressed, the appliance does not deliver coffee, but only water.	<ul style="list-style-type: none"> The ground coffee may be blocked in the funnel. 	<ul style="list-style-type: none"> Remove the ground coffee inside the funnel using a plastic knife (see section 8 - note 5). Then clean the infuser and the inside of the appliance (see description in section 11.2).
When the  button is pressed, the appliance does not turn on.	<ul style="list-style-type: none"> The appliance is not plugged in. 	<ul style="list-style-type: none"> Check that the power cable is plugged into the outlet.
The infuser cannot be removed for cleaning.	<ul style="list-style-type: none"> The appliance is on. The infuser can only be removed if the appliance is off. 	<ul style="list-style-type: none"> Turn the appliance off and remove the infuser (see section 11.2). IMPORTANT: the infuser can only be removed if the appliance is off. Attempting to remove the infuser when the appliance is on may cause serious damage.

PROBLEM	CAUSE	SOLUTION
Ground coffee is being used (not beans) and the appliance does not deliver the coffee.	<ul style="list-style-type: none"> • Too much ground coffee has been added. • The  button has not been pressed and the appliance has used both the ground coffee added and the coffee ground by the mill • Ground coffee has been added when the appliance is off. 	<ul style="list-style-type: none"> • Remove the infuser and thoroughly clean the inside of the appliance, as described in section 11.2. Repeat the operation using a maximum of 1 measuring scoop of ground coffee. • Thoroughly clean the inside of the appliance, as described in section 11.2. Repeat the operation, first pressing the  button as described in section 8. • Remove the infuser and thoroughly clean the inside of the appliance, as described in section 11.2. Repeat the operation, but switch the appliance on first.
The coffee does not run out from the spouts, but from around the service door.	<ul style="list-style-type: none"> • The holes in the spouts are clogged with dry coffee. • The mobile container inside the service door is blocked and cannot swing. 	<ul style="list-style-type: none"> • Scrape the holes with a needle (see section 11.1, Fig. 24). • Thoroughly clean the mobile container, particularly near the hinges to ensure they are free to swing smoothly.



This warranty applies to all products with De'Longhi or Kenwood brand names.

LIMITED WARRANTY

What does the warranty cover?

We warrant each appliance to be free from defects in material and workmanship. Our obligation under this warranty is limited to repair at our factory or authorized service center of any defective parts or part thereof, other than parts damaged in transit. The repaired or new model will be returned at the company expense.

This warranty shall apply only if the appliance is used in accordance with the factory directions, which accompany it, and on an Alternating current (AC) circuit.

How long does the coverage last?

This warranty runs for two years (2) from the purchase date found on your receipt and applies only to the original purchaser for use.

What is not covered by the warranty?

The warranty does not cover defects or damage of the appliance, which result from repairs or alterations to the appliance outside our factory or authorized service centers, nor shall it apply to any appliance, which has been subject to abuse, misuse, negligence or accidents. Also, consequential and incidental damage resulting from the use of this product or arising out of any breach of contract or breach of this warranty are not recoverable under this warranty. Some states do not allow the exclusion or limitation of incidental or consequential damage, so the above limitation may not apply to you.

How do you get service?

If repairs become necessary, see contact information below:

U.S. Residents:

Please contact our toll free hotline at #1-866-Latte-Best or log onto our website at www.delonghi.com. For all accessories, spare parts or replacement parts, please contact our parts division at 1-866-528-8323.

Residents of Canada:

Please contact our toll free hotline at #1-866-Latte-Best or 1-866-528-8323 or log onto our website at www.delonghi.com.

Residents of Mexico:

Please refer to the Limited Warranty statement for Mexico (see page 60).

Please refer to the back page of the manual for De'Longhi addresses.

The above warranty is in lieu of all other express warranties and representations. All implied warranties are limited to the applicable warranty period set forth above. This limitation does not apply if you enter into an extended warranty with De'Longhi. Some states do not allow limitations on how long an implied warranty lasts, so the above exclusions may not apply to you. De'Longhi does not authorize any other person or company to assume for it any liability in connection with the sale or use of its appliance.

How does state law apply?

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.