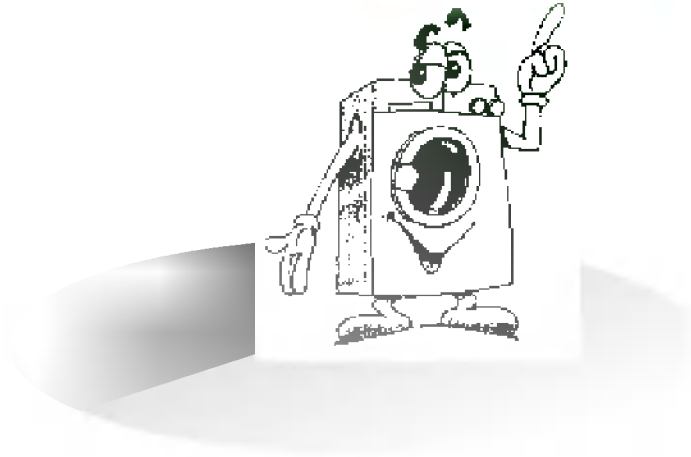


# intellowasher

- WD-6021 C - WD-6021 CH**
- WD-6022 C - WD-6022 CH**
- WD-8021 C - WD-8021 CH**
- WD-8022 C - WD-8022 CH**
- WD-1021 C - WD-1021 CH**
- WD-1022 C - WD-1022 CH**



***This product  
has been  
manufactured at  
environmental  
friendly modern  
facilities.***



*Dear Customer,*

*We wish that this product, manufactured at modern facilities with total quality notions, will deliver you the best performance. In order to guarantee this, please read this instruction manual thoroughly and keep it for your future reference.*

[www.lge.co.kr](http://www.lge.co.kr)



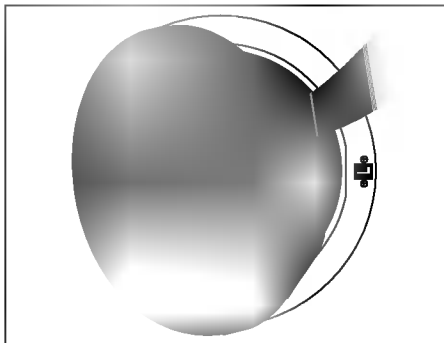
## CONTENTS

- **Part 1:**  
Steps before operating Fullautomatic Washing Machine and safety precautions.
- **Part 2:**  
Technical features.
- **Part 3:**  
Determining location and installation

- **Part 4:**  
Program selection and washing operations.
- **Part 5:**  
Care and Maintenance.
- **Part 6:**  
Helpful tips on stain removal
- **Part 7:**  
Before calling service.

- 
- *The current requirement in order for safe operation of this machine is 16 Amperes. You will need to have a certified electrician to connect a 16 Amp fuse, if there is not enough current load.*
  - *Your washing machine is set to 220-230 Volts.*
  - *Do not forget to check the grounding in all cases of use with or without the transformer. Our company will not be responsible for any damages caused by operations without grounding.*
  - *In order to bring the machine to ready before use, please call your service technician or a certified plumber.*
  - *The performance of the washing machine depends on the effectiveness of the cleaning agent. Stains can be permanent if low quality detergents are used. Please take necessary effort to clean the stained clothes as described in following pages before washing them in the machine.*

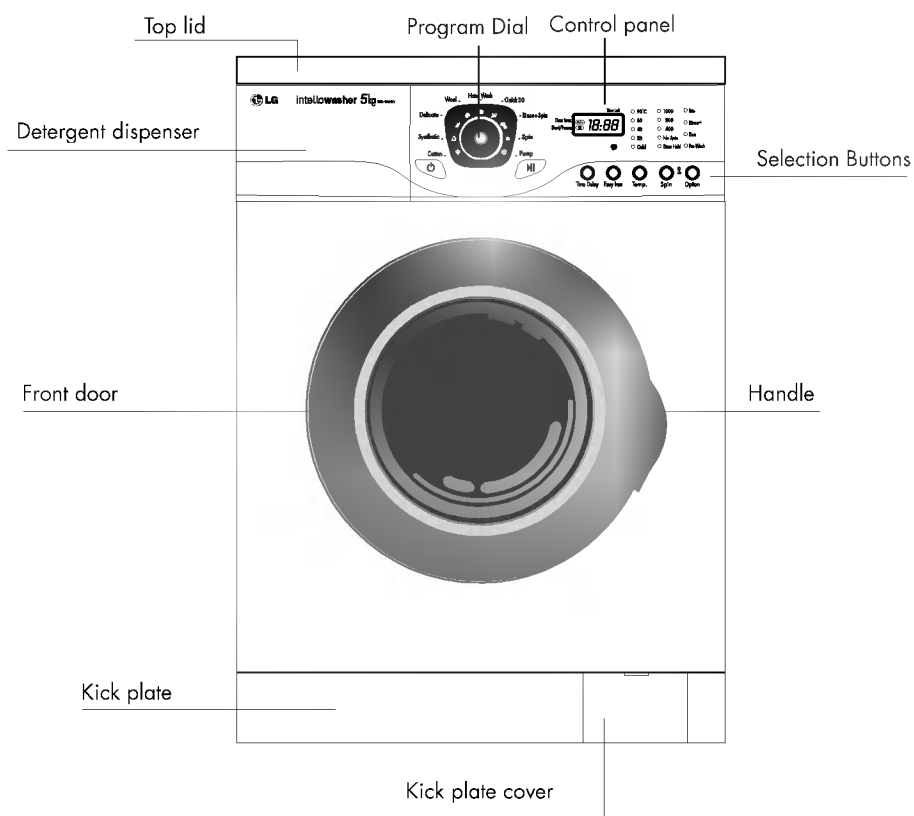
### To open the front door



*Make sure the Power switch is in the off position and always allow one to two minutes for the door safety lock to release the lock. Pull the handle to open the door.*



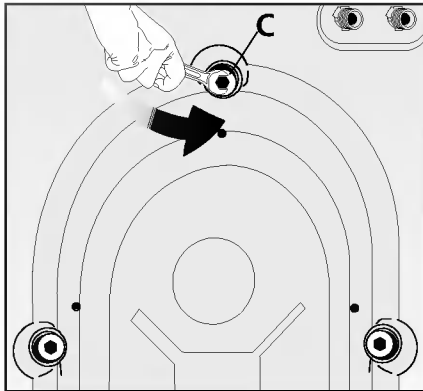
*Due to the quality control processes during production, there may be some water left over in your machine. This does not cause any damage to your product.*



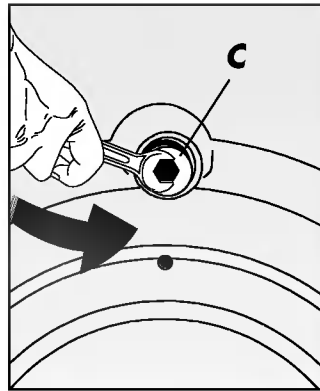
WD-6021 C	WD-6022 C
WD-6021 CH	WD-6022 CH
WD-8021 C	WD-8022 C
WD-8021 CH	WD-8022 CH
WD-1021 C	WD-1022 C
WD-1021 CH	WD-1022 CH

Capacity (dry fabric)	5 kg. (11.1 lbs)	4.5 kg. (11.1 lbs)
Height	85 cm.	85 cm.
Width	60 cm.	60 cm.
Depth	54 cm.	45 cm.
Net weight	60 kg.	57 kg.
Power requirement	220-230 V, 50 Hz.	
Nominal current	10 A.	
Motor power	300 Watts.	
Heater power	1900 Watts.	
Washing speed	50 rpm.	
Max. Spin speed		
WD-6021 C WD-6021 CH WD-6022 C WD-6022 CH	600 rpm.	
WD-8021 C WD-8021 CH WD-8022 C WD-8022 CH	800 rpm.	
WD-1021 C WD-1021 CH WD-1022 C WD-1022 CH	1000 rpm.	

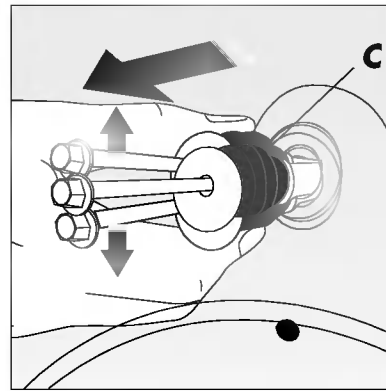
## 1. Removing transport



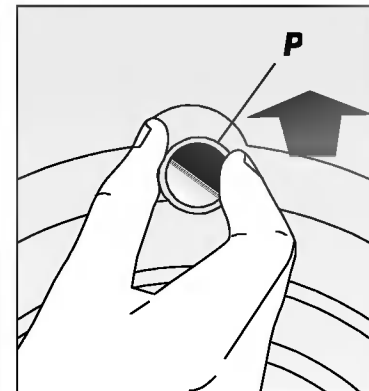
The transport safety bolts must be removed before any operation of the machine. Bolt heads, marked "C".



"C", should be turned in a anti clockwise direction until the bolt can be partially withdrawn.



Remove transport safety bolts and rubber bushes by pulling outwards. (A up/down action and a small squirt of washing up liquid should ease removal.)



Plastic plugs, supplied inside the protective bag and designated as "P", should be placed in the safety bolt holes according to the direction shown.



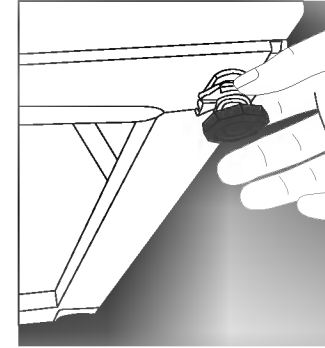
### Attention!

Please keep the safety bolts for future transportation and reinstate them before transporting your machine. Never transport your machine without the transport bolts in position.

Never place your machine on a carpet. This prevents air circulation. The electrical components of the machine may overheat and may cause damage.

## 2. Feet adjustment

In order for quiet and stable operation, the machine should be placed properly and leveled on its feet. Your machine comes with two adjustable feet. If the machine is unstable, loosen the plastic counternut and screw or unscrew the adjustable foot until the machine is leveled perfectly. After positioning, tighten the counternut for stability.



## 3. Water connection

### a) Water inlet hose

#### Cold water supply

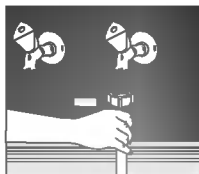
For proper operation, the pressure of water should be between 1 and 10 atm. (1 atm corresponds to more than 8 liters per minute flow rate at fully open tap.)

To prevent water leaks sealing washers are supplied with the water inlet hose inside the machine, place these on each of the hose ends and tighten both ends fully.

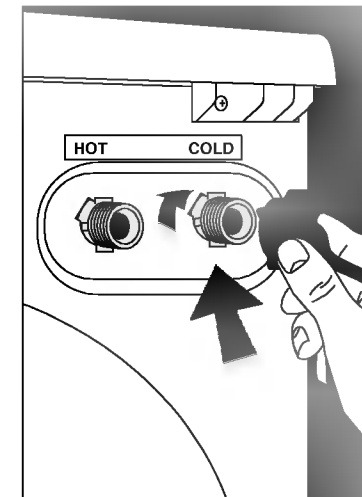
In order to prevent any water leak damages, keep the water taps closed when not in use. Connect the cornered end of the hose to the machine water inlet.

#### Hot water supply (only for hot and cold water inlet machines)

Pressure: 1-10 bar Temperature: 60°C max. A hot water supply fed from a separate cold water tank will normally be suitable. Open outlet gas or electric water heaters must not be used. Multipoint water heaters or combination boilers may be suitable if they are designed to supply washing machines. (Check your boilers operation instructions or supplier.)



Connect the cold water using the hose with blue printing and connect the hot water using the hose with red printing.

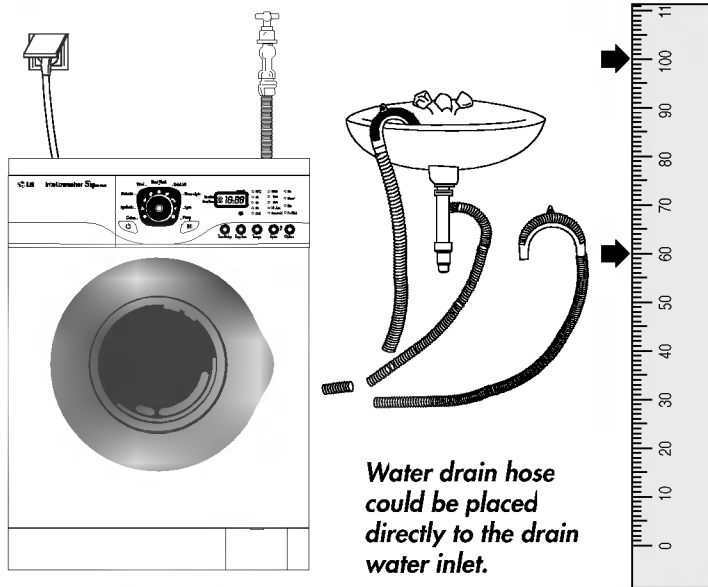


## b) Water drain hose

Water drain hose could be placed either at the side of the bath tub, or directly to the drain. The hose should not be bent. **Water drain hose should be secured with the elbow so that it would not fall down on the ground.**



The hose should be placed between 60 and 100 cm. from the ground.



Water drain hose could be placed directly to the drain water inlet.

## 4. Electrical connection

Connect the power cord to the appropriate electrical system which is being supported by the maximum voltage and current rating indicated on the rating plate placed inside the kick plate. The appliance should be so positioned that the plug is accessible. **Look! Page 1, Steps before operating Fullautomatic Washing Machine and safety precautions.**



**Make sure that you have grounded power outlet.**



**Attention!** Before any operation of the machine check the following.

- Did you close the front door?
- Is the tap open?
- Is water drain hose placed properly?
- Is power connected?



## Preparation

### ● Loading the machine

Place the fabrics uniformly inside the machine. Hand knits should be placed inside out in the machine. Make sure that there is no clothing at the side of the door. Close the door by pushing lightly. If the door does not close completely, the machine could not be started—a safety measure. Front door is locked until the end of the washing program and it will not be opened about 2 minutes following the end of the program.

### ● Sorting laundry

Sort the laundry according to the following groups and wash them separately:

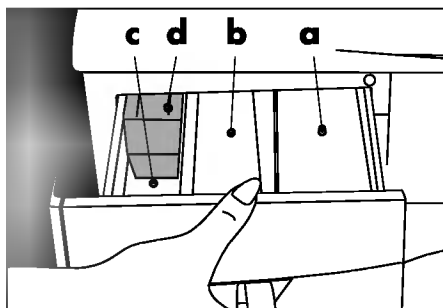
- white and resistant colored fabrics,
- colored fabrics,
- delicate fabrics (silk, rayon etc.),
- wool.

Be sure to empty pockets and remove any belts, buttons, pins, etc. from the clothing. For stained fabrics, refer to the **“Practical information”** section of the operating manual.

### ● Detergent and softener selection

Choose the appropriate detergent specifically used at the full automatic washing machines. Suggested amount is given on the detergent cover. If small amount of clothing is placed in the machine, put half the amount of detergent required for normal wash.

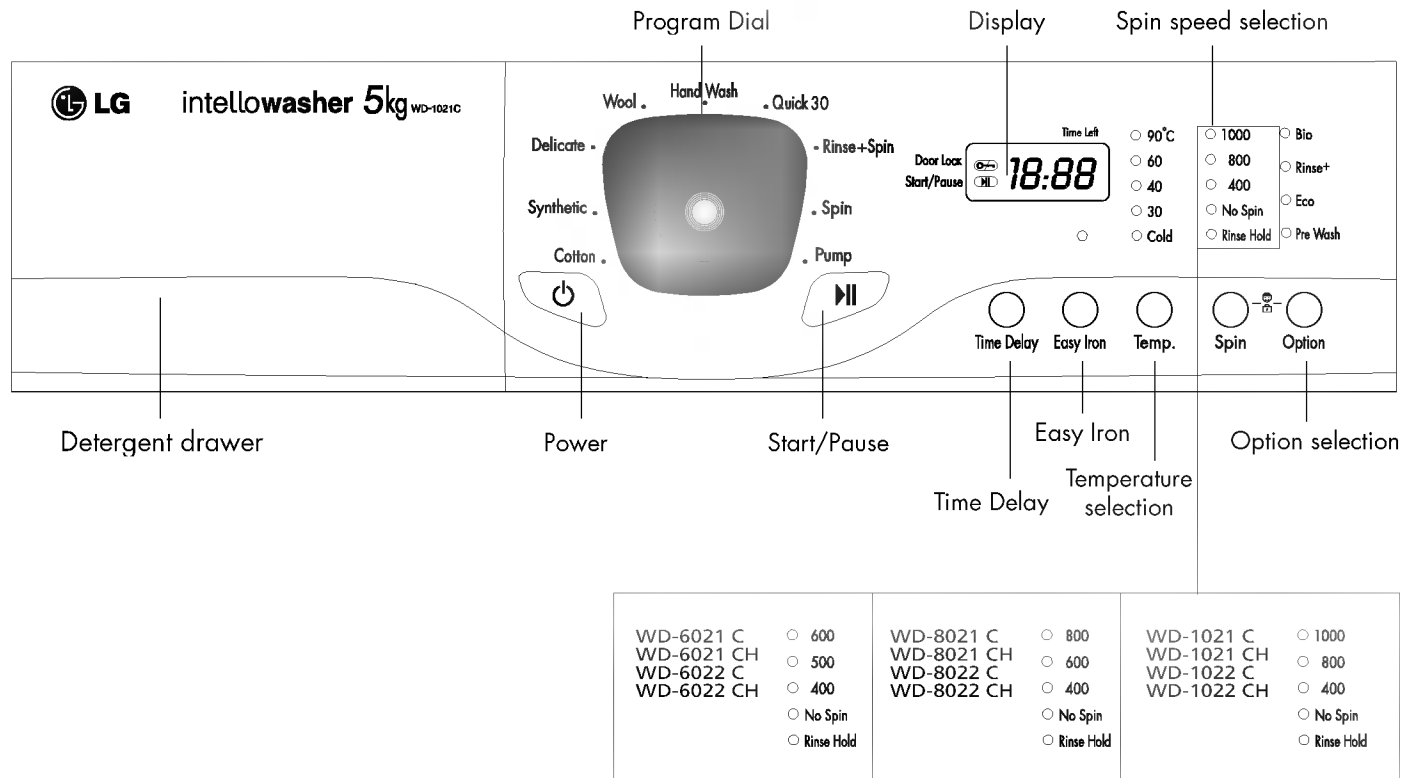
Do not attempt to use detergents and bleaching elements that contain chlor and sulphur. The amount of the detergent depends on the dirt level of fabric, the amount of fabric and the softness of the water.



- a.** Compartment I. detergent compartment for prewash cycle.
- b.** Compartment II. detergent compartment for wash cycle.
- c.** "☼" Compartment for fabric conditioner.
- d.** Siphon.

Fill the fabric softener to the marking. Any excess amount of softener will mix into the wash water and you will have to re-fill the compartment. Hardened softener may clog the siphon, in this case add some water to the softener.

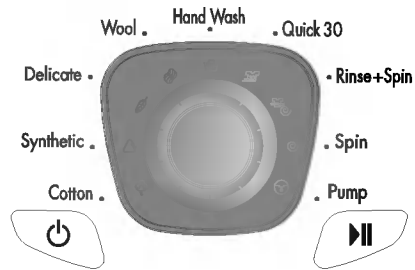
Control Panel



PROGRAMMES	TEMP. (°C)	RINSE HOLD	EASY IRON	OPTIONS **				LOAD kg.	FABRIC TYPE
				BIO	RINSE PLUS	ECO	PREWASH		
Cotton	Cold-90	*	*	*	*	*	*	5	Heavy soiled cottons and linens
Synthetic	Cold-60	*	*	*	*	*	*	2.5	Normally soiled synthetics
Delicate	Cold-40	*	*		*			2.5	Normally soiled delicates
Wool	Cold-40	*	*		*			1.5	Woolens
Handwash	Cold-40	*	*		*			1.5	Lightly soiled synthetics and delicates
Quick30	Cold-40	*	*		*			5	Lightly soiled cotton and linens
Rinse+Spin	-	*	*		*			-	Additional rinse and spin step
Spin	-		*					-	Additional spin
Pump	-							-	Removing remain water after rinse hold option

\* Options available

\*\* You can select only one option during a program.



Place your clothes into the machine and close the front door. Determine the program after referring to the program selection table. Put powder detergent and the fabric softener to the compartments and close the detergent dispenser.

Push the **Power** button to turn on the washing machine. Program leds are turned on.

### Program Selection

Turn the Program Dial to select the program you require.

The required lamp will light up for identification.

- 90°C
- 60
- 40
- 30
- Cold



Temp.

### Temp. Selection

Using this button, you can select final temperature up to 90°C in cotton, up to 60°C in synthetics, up to 40°C in Delicate, Wool, Hand wash, Quick30 programs. If you don't want to apply heating, you can select also cold wash.

- 1000
- 800
- 400
- No Spin
- Rinse Hold



Spin

### Spin Selection

Using this button, you can select final spin speed upto 1000 rpm.

### Rinse Hold

If "Rinse Hold" is selected, no.1 is displayed at display window at the end of the process. If customers want to continue spin, push the "start/pause", select the rpm and then push the "start/pause" again.



If you don't want to apply spinning to your clothes, you can select also No Spin.

*Preparing washing before starting "Time Delay"*

- Turn on the water tap.
- Load laundry and close the door.
- Place the detergent and fabric softener in the drawer.

- *How to set Time Delay*

- Press Power button.
- Turn the Program dial to select the program you require.
- Press Time Delay button and set the desired time.
- Press the Start/Pause button (":") blinks)

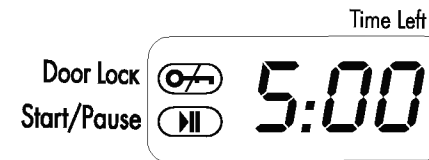
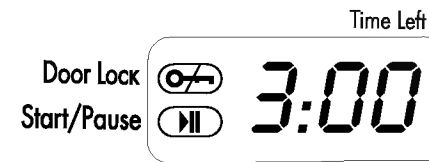
- If Time Delay button is pressed, "3:00" is displayed. The maximum delayed time is 19:00 hours and the minimum time is 3:00 hours.

- Each pressing of the button advances on time delay by one hour.

- To cancel the time delay, press the Power button.

- Time Delay is "Expected Time" from to present to completion of washing cycles or selected process. (Wash, Rinse, Spin)

- According to the condition of water supply and temperature, the delayed time and the actual washing time may vary.



## Option

Bio

By pressing the Option Button, only one option function may be selected.

Rinse<sup>+</sup>

The required lamp will light up for identification.

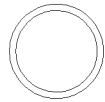
Eco

### **Bio**

*If you want to eliminate protein stains (milk, blood, chocolate...) you may select Bio function by pressing the option button.*

*NB. You select Bio function when temperature is higher than 60°C in cotton and synthetic.*

Pre Wash



Option

### **Rinse Plus (Rinse<sup>+</sup>)**

*Used to additional rinse, which may assist in removing traces of detergent residue.*

*By selecting Rinse function, the Rinse Time and Rinse water are increased.*

### **Eco**

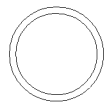
*By selecting Eco function, the water temperature is reduced and washing time is lengthened. So you can economize in your consumption of heating energy.*

*NB. You can select Eco function when temperature is higher than 60°C in Cotton and Synthetic.*

### **Pre Wash**

*If the laundry is heavily soiled, "Pre Wash" course is effective.*

*Pre Wash is available in Cotton and Synthetic.*



Easy Iron

### **Easy Iron**

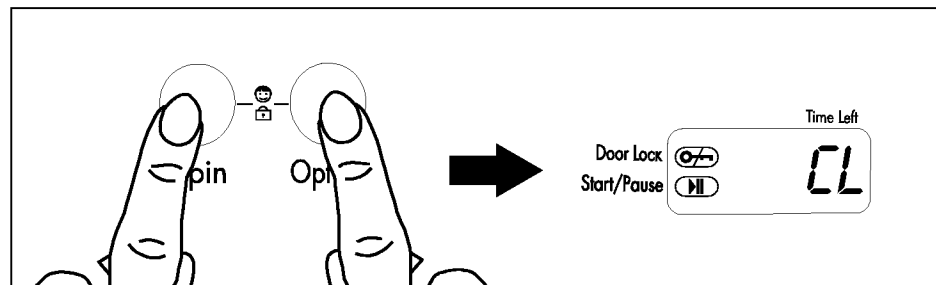
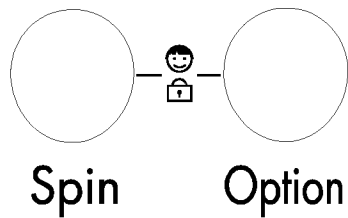
*If you don't want to wrinkled the laundry you may select Easy Iron option.*

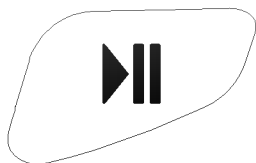
## Child Lock

During washing, in order to prevent any interruptions during the program by mistakenly pressed buttons, there is a child-care lock, as a safety measure. To activate the child-care lock, press the **Spin** and **Option** buttons at the same time (for three seconds) after the washing process has been started. The child-care lock will lock all the keys and buttons excluded Power button. When the child lock active, CL mark will be displayed on display instead of time.

To open the front door at the end of the program or to interrupt the program during the process you have to deactivate the child-care lock. To deactivate the lock you have to press the **Spin** and **Option** buttons at the same time again.

The child lock can be set any time and it is automatically canceled when operational errors occur. Also child lock works when power is off.





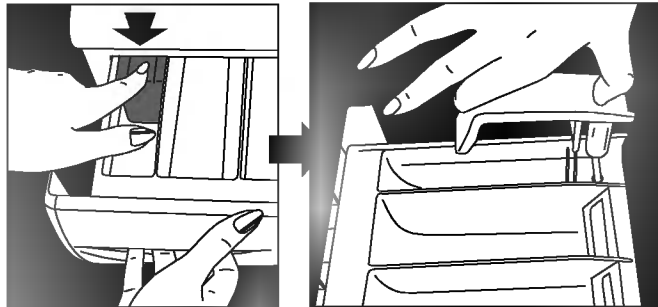
Start / Pause

The selected program can be started by pushing the **Start/Pause** button. Front door will be locked and the led indicator will go on. To stop the machine during the program press the **Start/Pause** button again.

If fabric softener is added in the softener compartment, it will be used in the last rinse cycle. If **rinse hold** is selected, by re-pressing this button, you can continue the program. If no spin is desired, you may leave the **rinse hold** button pushed. Pause the machine, select the **Drain option** and Start the machine. With this operation, water in the machine will be discharged.

Machine stops automatically after the programs are completed, and the buzzer beeps 7 times. After 8 seconds the machine will be automatically turned off. Front door can be opened 1-2 minutes after the end of the program. Turn off the water tap. Unload the machine and leave the front door open to air the machine.



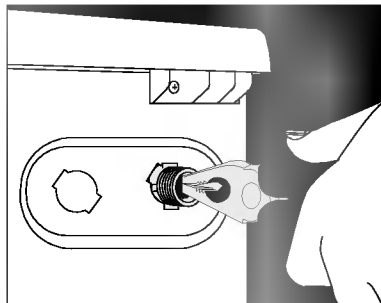


### **Detergent dispenser**

To clean the detergent residues, remove the detergent dispenser from its place by pressing on the area marked on siphon. Wash the dispenser with water and also clean the dispenser housing before inserting the dispenser to its place.

### **Siphon**

Clean the siphon (coloured piece in the dispenser) every 30-40 washes. Pull out the siphon by holding from its edges. To prevent clogging, clean the softener residues thoroughly and make sure that the siphon fits into its place completely before any operation.

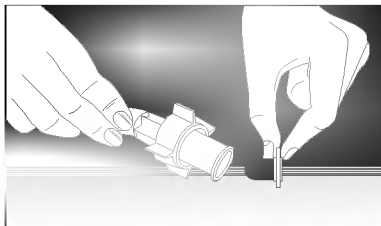


### **Hoses**

To prevent any leakage, have a technician to control the hoses every two years. If the machine is placed at cold ambient temperatures, the water remaining inside the pump and hoses should be removed from the filters. Also to prevent freezing, empty the water intake hoses by disconnecting from taps.

### **Drum**

Do not leave any metal objects (pins, needles, etc.) inside the drum. These objects may cause rust on the drum surface. Do not clean the drum with scratching elements.



### **Water intake filter**

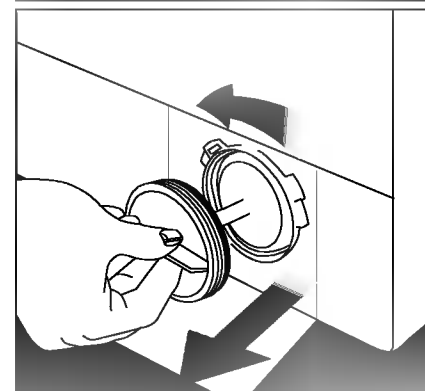
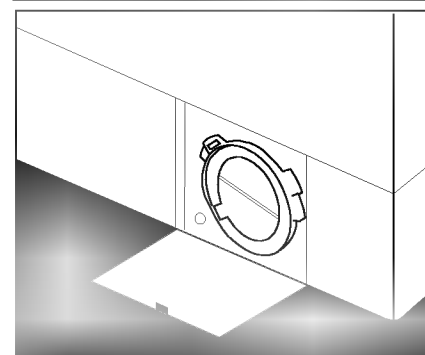
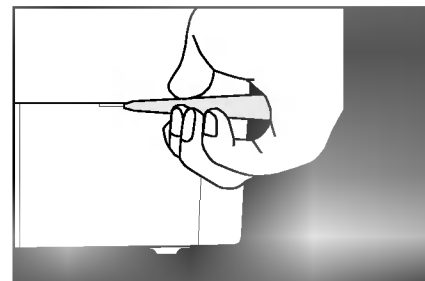
At the end of the water intake connection module and water inlet hose-tap side, there exists filters. These filters prevent any dirt and objects passing into the machine. It is advisable that these filters should be cleaned every 30-40 washes. To clean the filter, first turn the tap off. Then, disconnect the hose and clean the filter with a thin brush. If the filter is very dirty, you may clean it by pulling out with pliers. To clean the filter at the tap side of the hose, pull it out by hand and clean the filter under the tap water.

## Cleaning the pump

To prevent objects entering to the pump, your machine comes with a filter system that extends the pump life. It is advisable that you should clean the filter at every 30-40 washes. Before opening the filter door, disconnect the power. Open the kick plate cover with a help of a coin. Place a little pan in front of the filter door to prevent a little amount of water spilling from the machine. Remove the filter by turning it counter-clockwise direction. After cleaning the objects on the filter, place it by turning clockwise and make sure that it is closed firmly. Close the kick plate cover by pushing.



**Attention!** If the filter does not fit into its place, water will leak out from the filter.



## Part 6:

## Helpful tips on stain removal

The following stain removing tips are approximate and can only be used at the washable fabrics. Please consult the washing information of the fabric manufacturer.

Ratios are approximated.



**Alcoholic beverages:** Wipe the fabric first with water, then water-glycerine solution and rinse with vinegar-water solution.



**Shoe polish:** Without harming the fabric, remove the stain carefully and grind it with detergent. If this doesn't help, prepare a water to alcohol solution (2 to 1) and rub the fabric, then wash it with warm water.



**Tea and coffee:** Pour hot water on to the stain and the fabric is white, pour some bleach and rinse it with water.



**Bubblegum:** Harden the gum stain by putting an ice on it. Then scrape off the stain carefully.



**Chocolate and cocoa:** Place the fabric into cold water for a period of time. Rub it with soap or detergent and wash it with the warmest water that the fabric can withhold. If any grease stain leftover wipe it with oxygen water.



**Tomato paste:** Scrape the hardened paste and leave the fabric for 40 minutes into cold water. Rub it with detergent and wash.



**Egg stain:** If the stain is hardened scrape the stain and wipe it with wet sponge or a soft cloth. Rub it with detergent and wash with cold water.



**Grease stain:** Scrape the stain and rub it with detergent. Then wash the fabric with warm water.



**Mustard:** Use glycerin and rub the fabric with detergent. If unsuccessful, wipe the stain with alcohol. (Colored and synthetic fabrics need 2 cups water and 1 cup alcohol solution.)



**Blood stain:** Leave the fabric for 30 minutes in the cold water. Use ammonia solution to remove the stain. (4 liters water- 3 spoonful of ammonia.)



**Ice-cream, milk and cream:** Place the fabric into cold water for a period of time. Rub it with soap or detergent and wash it with the warmest water that the fabric can withhold. If any grease stain leftover wipe it with oxygen water.



**Mildew:** Do not let mildew stains stay for long periods of time. Place the fabric into cold water for a period of time. Rub it with soap or detergent and wash it with the warmest water that the fabric can withhold. If any grease stain leftover wipe it with oxygen water.



**Fruit:** Pour cold water on to the stain and do not use warm water to rinse. Let it sit for 2 hours and wipe it with white vinegar and rinse.



**Ink:** Let the cold water run on the stain and wait until the stain is gone. Later rub it with lemon juice and detergent, let the stain stay for five minutes and rinse the fabric.



**Grass stain:** Rub the stain with detergent. If the fabric lets, use bleaching element. Wools should be wiped with alcohol.



**Paint:** Use thinner to remove the stain. Put a cotton cloth on the wool fabrics. Rub the stain with detergent and rinse with cold water.



**Burnt stains:** Use bleach if permissible. For wool fabrics place a oxygen water inserted cotton cloth on the stain and iron. Rinse completely and wash the fabric.



**You turned the machine on, but the leds are off on the panel.**

Check the grounding on the power cable or a blown fuse. Check the front door proper closure.



**Water coming from beneath the machine.**

Check the water intake and drain hoses. Tighten the connections. The washers of the hoses may be worn out. If non of the both, the pump filter is not closed properly.



**Machine does not take water.**

Check the front door for proper closure. Either taps are closed or water intake filters are clogged.



**Foam coming out of the detergent dispenser.**

Check whether your detergent is suitable for automatic machines. Next time use less detergent.



**Taken water is directly discharged.**

Check if the discharge hose placed as described in page 8 or not.



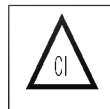
**Pump does not drain water.**

Clean the pump filter. Check whether the drain hose is bent or not. If there is need to clean the pump filter, refer to the pump filter cleaning section of the manual.

**Descriptions of the**



Washing temperature



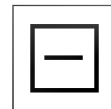
Bleach can be used



Do not use bleach



Do not machine wash



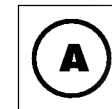
Dry on horizontal surface



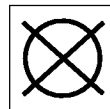
Do not wash



Dry clean



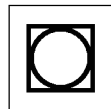
Chemicals can be used



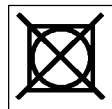
No dry cleaning



No spin



Can be washed at centrifugal machine



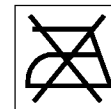
Do not wash centrifugal machine



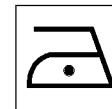
Line dry



Iron permitted



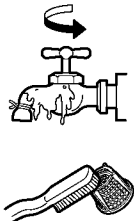
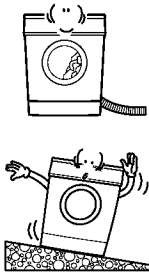
Do not iron

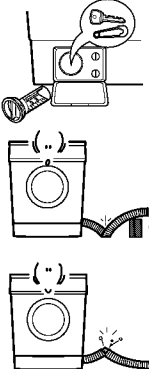



Warm iron

## Trouble - Shooting guide

- ❑ Check the following before asking for service if the error message is displayed during washing, rinsing or spinning.
- ❑ Request for the service center or agent in the case of failure or damage except for the followings.

Symptom	Check points	Solution
<i>IE</i>	 <ul style="list-style-type: none"> <li>• Is the water tap turned off ?</li> <li>• Is the water frozen?</li> <li>• Is the water pressure low or the filter clogged ?</li> </ul>	<ul style="list-style-type: none"> <li>• Turn the water tap on.</li> <li>• Melt it with 50°C hot water.</li> <li>• Disconnect the inlet hose and clean the filter.</li> </ul>
<i>UE</i>	 <ul style="list-style-type: none"> <li>• Is the laundry tilted to one side in the drum?</li> <li>• Is the washer leveled ?</li> </ul>	<ul style="list-style-type: none"> <li>• Spread the laundry evenly.</li> <li>• Release imbalance by pressing the [Start/Pause] button. If it happens after rinsing or spinning, call for service.</li> <li>• Install it on a firm and even floor.</li> </ul>

<p><b>OE</b></p>	 <ul style="list-style-type: none"> <li>• Is there foreign material in the drain pump ?</li> <li>• Is the drain hose bent or higher than 85cm above the floor ?</li> <li>• Is the hose clogged ?</li> <li>• Is the hose frozen ?</li> </ul>	<ul style="list-style-type: none"> <li>• Clean and remove foreign material from drain filter.</li> <li>• Put the drain hose evenly.</li> <li>• Place the drain hose under 85cm from the floor.</li> <li>• Melt it with 50°C hot water.</li> </ul>
<p>Door is faulty <b>DE</b></p>	 <ul style="list-style-type: none"> <li>• Did you run the washer while the door is not closed completely?</li> </ul>	<ul style="list-style-type: none"> <li>• Close the door.</li> <li>* If it is not released, call for service.</li> </ul>
<p>Water is not heating <b>EE</b></p>		<ul style="list-style-type: none"> <li>• Unplug the power plug and call for service.</li> </ul>

## Symptom

## Check points

## Solution

**PE**

It is displayed when the water pressure sensor malfunction.

- Close the water tap.
- Take out power plug.

**FE**

It is displayed when the water overfills due to abnormal water inlet valve.

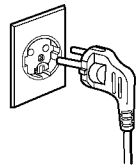
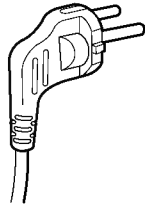
- Call the service center.

The machine does not start up.



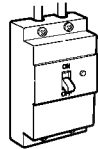
- Did you press the power button.

- Turn it on.



- Is the power plug unplugged?
- Is the power supply correct?

- Plug it to power supply.
- Use exclusive AC220 – 240V outlet with ground terminal.




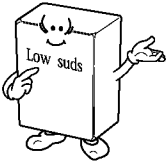
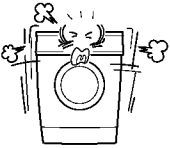
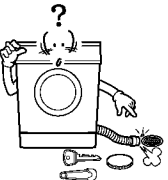
- Is the short-circuit breaker turned off?

- Turn it on.

**EE**

EPR0M Error

- Call the Service

<p>Excessive suds</p> 	 <ul style="list-style-type: none"> <li>• Did you use more detergent than recommended?</li> <li>• Did you use low suds detergent for the front loading washing machine?</li> </ul>	<ul style="list-style-type: none"> <li>• Put the recommended amount.</li> <li>• Use detergents only for front loading washing machine.</li> </ul>
<p>Excessive vibration and noise.</p> 	 <ul style="list-style-type: none"> <li>• Did you remove the transit bolts?</li> <li>• Is the washer levelled?</li> <li>• Is the drain pump clogged with foreign material?</li> <li>• Is the washer loaded with excessive clothes?</li> </ul>	<ul style="list-style-type: none"> <li>• Remove it.</li> <li>• Place it on an even floor.</li> <li>• Remove foreign material from the drain pump.</li> <li>• Remove the excessive loads.</li> </ul>