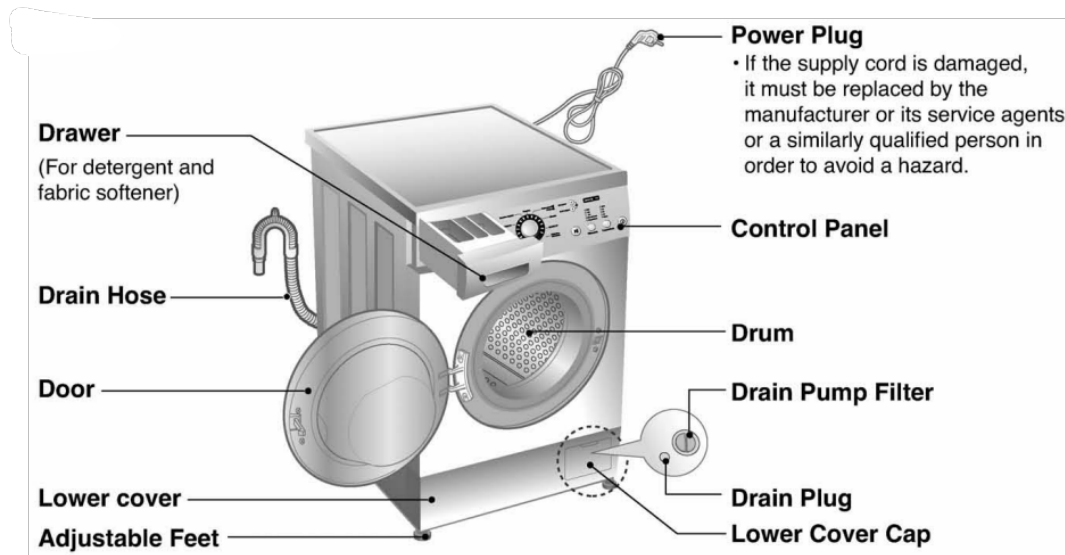


User Manual Washing Machine

Specifications



Name	Front loading washing machine
Power supply	220-240V~,50Hz
Size	600mm(W) X 550mm(D) X 850mm(H)
Weight	60 kg
Max.Watt	2100W 0.50W (The off-mode, The left-on mode)
Wash capacity	7kg
Spin speed	Rinse Hold/ No Spin/ 400/ 800/1200 Rinse Hold/ No Spin/ 400/ 800/ 1000 Rinse Hold/No Spin/ 400/800/1400
Water consumption	49 l
Permissible water pressure	1.0-10kgf/cm- (100 -1 000kPa)

* The appearance and specifications may be varied without notice to raise the units quality.

Care before washing

■ Before the first washing

Select a cycle (COTTON (Q) 60°C, add a half load of detergent) allow the unit to wash without clothing. This will remove residues and water from the drum that may have been left during manufacturing.

■ Caring before washing

1. Care Labels

Look for a care label on your clothes. This will tell you about the fabric content of your garment and how it should be washed.

2. Sorting

To get the best results, Sort clothes into loads that can be washed with the same wash cycle. Water temperature and spin speed and different fabrics need to be washed in different ways. Always sort dark colors from pale colors and whites. Wash separately as dye and lint transfer can occur causing discoloration of white etc. If possible, do not wash heavily soiled items with lightly soiled one.

Soil (Heavy, Normal, Light) Separate clothes according to amount of soil.

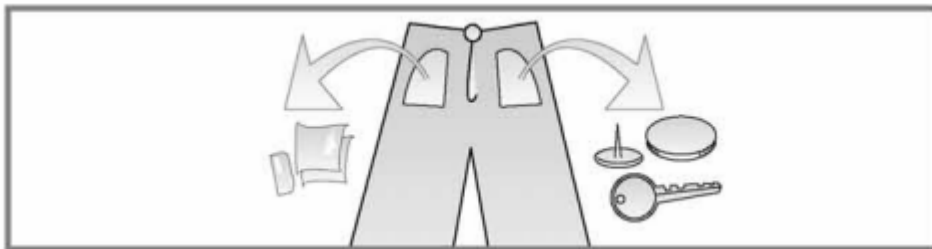
Color (White, Lights, Darks).....Separate white fabrics from colored fabrics.

Lint (Lint producers, Collectors) Wash lint producers and lint collectors separately.

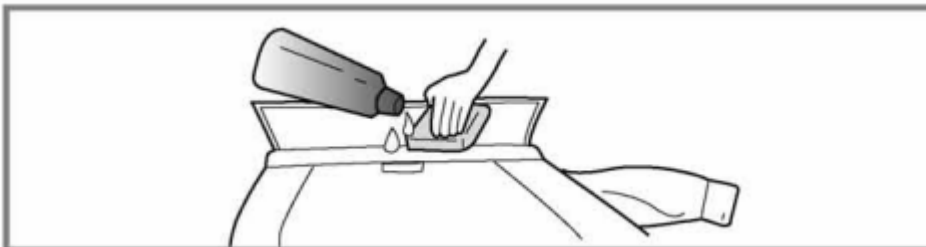
3. Caring before loading

■ Combine large and small items in a load. Load large items first. Large items should not be more than half the total wash load.

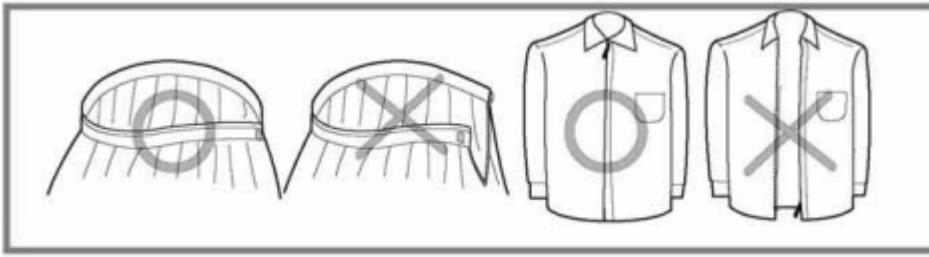
Do not wash single items. This may cause an out-of-balance load. Add one or two similar items.



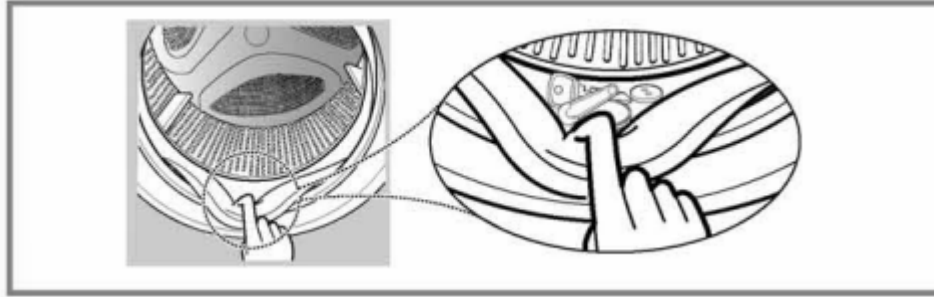
Check all pockets to make sure that they are empty. Items such as nails, hair clip, matches, pens, coins and keys can damage both your washer and your clothes.



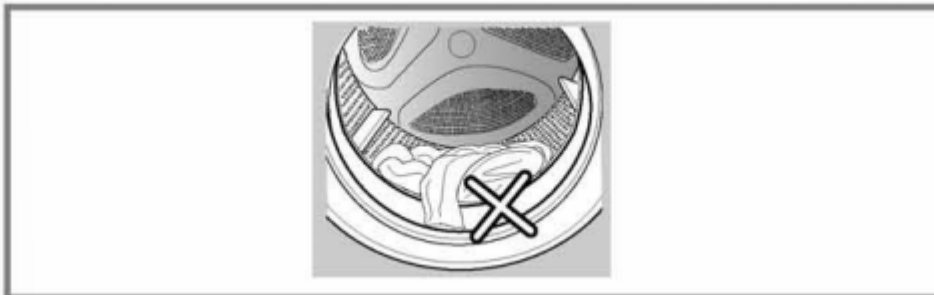
Close zippers, hooks and strings to make sure that these items don't snag on other clothes.



Pre treat dirt and stains by brushing a little detergent dissolved in water onto stains like collars and cuffs to help shift dirt.



Check the folds of the flexible gasket (gray) and remove any small articles, if any.
Check inside of the drum and remove any left items in it for next wash cycle.

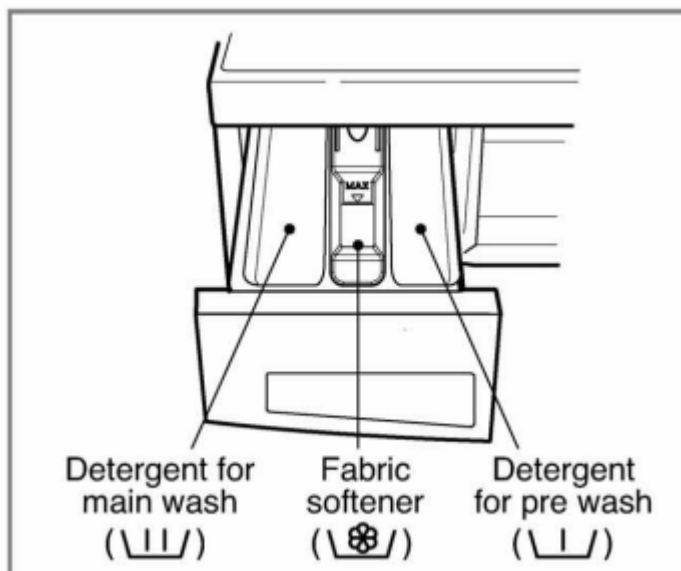


Remove any clothing or items on the flexible gasket to prevent clothing and the gasket damages.

Adding detergent

■ Adding detergent and fabric softener

1. The Dispenser Drawer



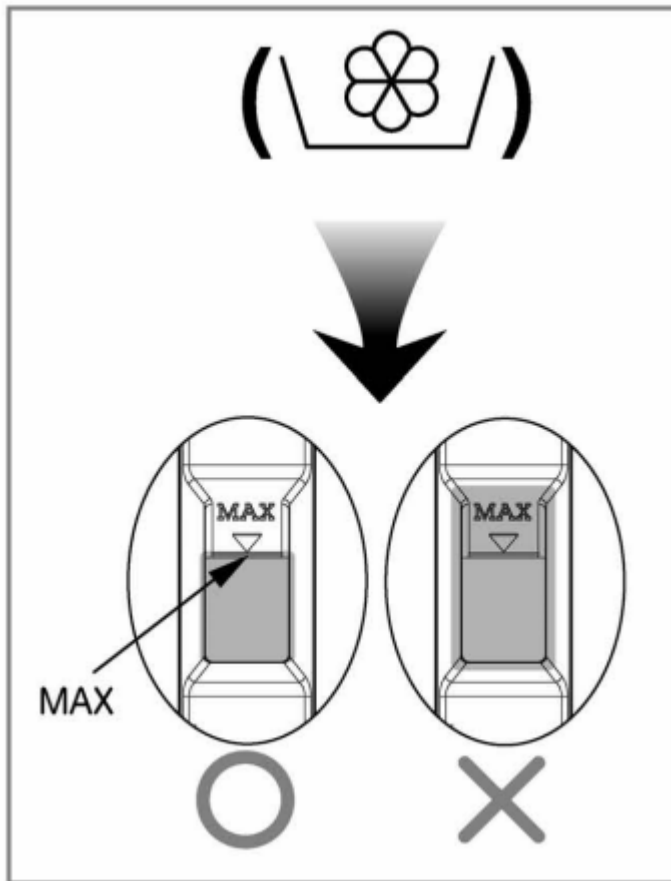
- Main wash only →
- Pre Wash + Main Wash → •

Warning Keep all washing detergents away from children as there is danger of poisoning.

Too much detergent, bleach or softener may cause an overflow.

Be sure to use the appropriate amount of detergent.

2. Adding Fabric Softener



- Do not exceed the maximum fill line. Close the dispenser drawer slowly. Overfilling can cause early dispensing of the fabric softener which could stain clothes.
- Do not leave the fabric softener in the detergent drawer for more than 2 days. (Fabric softener could harden)
- Softener will automatically be added during the last rinse cycle.
- Do not open the drawer when water is supplied.
- Solvents(benzene, etc) are not allowable.

Note: Do not pour fabric softener directly on the cloths

3.Detergent dosage

- Detergent should be used according to the instruction of the detergent manufacture and selected according to type, colour, soiling of the fabric and washing temperature.
- If too much detergent is used, too many suds can occur and this will decrease the washing result or cause heavy load to the motor.
- It is recommended that you use powdered detergent for best results.

If you wish to use liquid detergent follow guidelines provided by the detergent manufacturer.

- You can pour liquid detergent directly into the main detergent drawer if you are starting the cycle immediately.

- Please do not use liquid detergent if you are using Time Delay' as the liquid may harden, or if you have selected 'Pre Wash'.
- If too many suds occur, please reduce the detergent amount.
- Detergent usage may need to be adjusted for water temperature, water hardness, size and soil level of the load. For best results, avoid oversudsing.
- Refer to the label of the clothes, before choosing the detergent and water temperature.
- To use the washing machine, put the designated detergent only.
 - General powdered detergents for all types of fabric (Cold - 95 °C)
 - Powdered detergents for delicate fabric (Cold - 40 °C)
 - Liquid detergents for all types of fabric (Cold - 95 °C) or designated detergents only for wool (Cold - 40 °C)
- For better washing performance and whitening, use the detergent with the General powdered bleach.

Warning

Do not let the detergent harden.

Doing so may lead to blockages, poor rinse performance or bad odor.

Note:

- Full load : according to manufacturer's recommendation.
- Part load : 3/4 of the normal amount.
- Minimum load : 1/2 of full load.
- Detergent is flushed from the dispenser at the beginning of the cycle.

4. Adding water softener



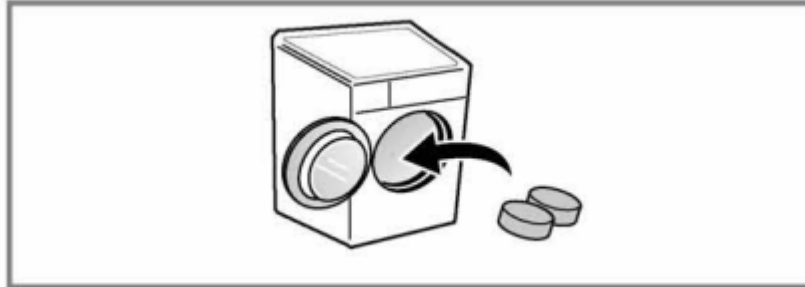
- A water softener, such as Anti-limescale (e.g. Calgon) can be used to cut down on the use of detergent in extremely hard water areas. Dispense according to the amount specified on

the packaging.

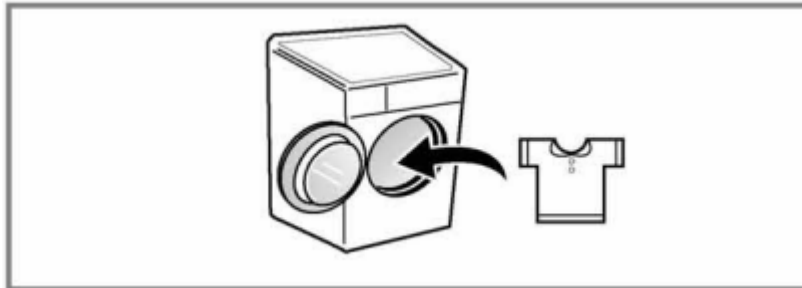
First add detergent and then the water softener.

- Use the quantity of detergent as for soft water.

5. Using tablet

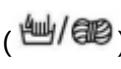



1) Open the door and put tablets into the drum.



2) Load the laundry into the drum and close the door.

Function

Program	Fabric Type	Proper Temp.	Option	Maximum Load	
Cotton	Color fast garments (shirts, nightdresses, pajamas, etc) and normally soiled cotton load (underwear)	40°C [Cold, 20°C, 60°C, 95°C]	- Intensive - Pre Wash	Rating	
Synthetic	Polyamide, Acrylic, Polyester	40° C [Cold, 20°C, 60°C]		Less than 3.5 kg	
Cotton Large	Cotton which is lightly soiled	60°C [Cold, 20°C, 40°C]		Rating	
Quick 30	Colored Laundry which is lightly soiled fast.	20° C [Cold, 40°C]	- Intensive	Less than 2.0 kg	
Delicate	Delicate laundry easily damaged (silk, curtains...)	20° C [Cold, 40°C]			
Hand Wash/ Wool ()	“Hand Wash” marked laundry or machine washable woolens	40°C [Cold, 20° C]			
Blanket	Cotton bedding with filling, duvet, pillow, blanket, sofa cover with light filling				1 single size

Baby Care ()	Laundry for infant	60°C (95°C)	- Intensive - Pre Wash	Less than 6.0 kg
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* **Water Temperature** : Select the water temperature to the wash cycles.

Always follow garment manufacture's care label or instructions when laundering.

* **Intensive** : When washing heavily soiled laundry you can increase effectiveness by choosing "Intensive" option.

* **Pre Wash** : If the laundry is heavily soiled, "Pre Wash" Course is recommended.

* Set program at" Cotton Large 40°C + Intensive (Half Load)", " Cotton Large 60°C + Intensive (Half Load)", " Cotton Large 60°C + Intensive (Full Load)"¹ option for test in accordance in conformity with EN60456 and Regulation 1015/2010.

- Standard 60°C cotton program : Cotton Large+  + 

- Standard 40°C cotton program : Cotton LargeC)+  + 

(They are suitable to clean normally soiled cotton laundry.)

(They are the most efficient programmes in terms of combined energy and water consumptions for washing * that type of cotton laundry)

* Actual water temperature may differ from the declared cycle temperature.

The test results depend on water pressure, water hardness, water inlet temperature, room temperature, type and amount of load, degree of soiling utilized detergent, fluctuations in the main electricity supply and chosen additional options.

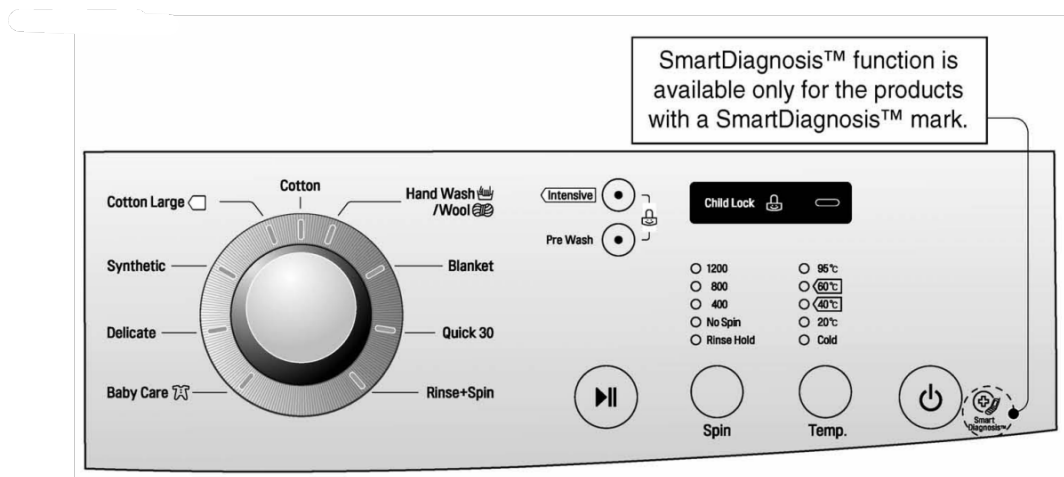
* **Notes** : Neutral detergent is recommended.

The wool cycle features gentle tumbling and low-speed spin for garment care.

Note: Information of main washing programmes at half load

Program	Time in minutes	Remaining moisture content		Water in Liter	Energy in kWh
		1400rpm	1200rpm/ 1000rpm		
Cotton (40°C)	94	44%	53%	39	0.66
Cotton Large (60°C)	120	44%	53%	49	0.74

How to use washer



1. Cotton automatically selected upon power on. * •

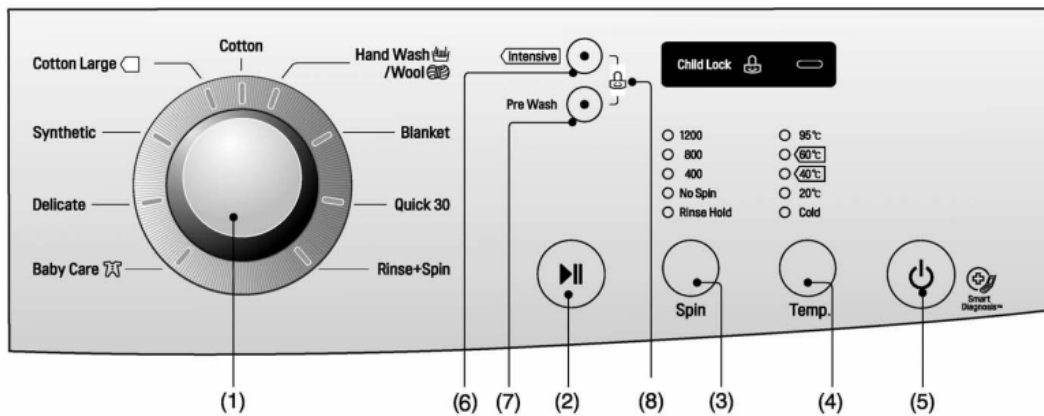
- Press the **Power** button to start.
- Press the **Start/Pause** button.
- Initial conditions
 - **Wash** : main wash
 - **Rinse**: 3 times
 - **Spin**:
 - 1400 rpm
 - 1200 rpm
 - 1000 rpm
 - **Water temperature**: 40° C
 - **Program**: Cotton

2. Manual Selecting

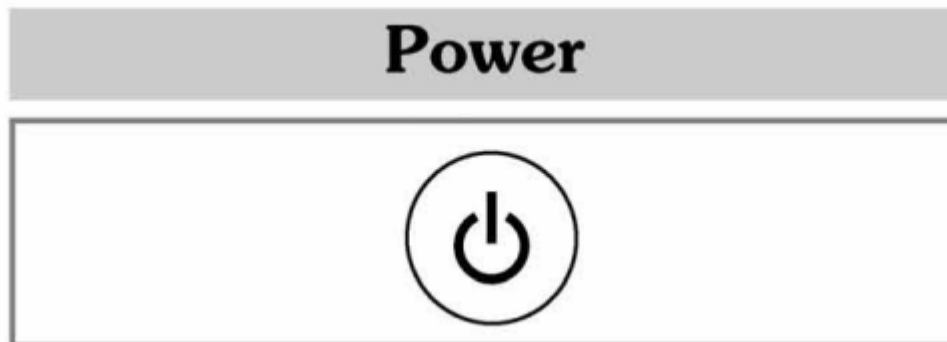
- Press the **Power** button to start.
- Select the conditions which you want to use, by turning the program dial and pressing each button.

For selecting the each conditions, please refer to the page9~page23

- Press the **Start/Pause** button.



(1) Dial : Program	(5) Button : Power
(2) Button : Start/Pause	(6) Button : Intensive
(3) Button : Spin	(7) Button : Pre Wash
(4) Button : Temperature	(8) Child Lock



1. Power

- Press the Power button to turn power on and off.
- To cancel the Time Delay function, the power button should be pressed.

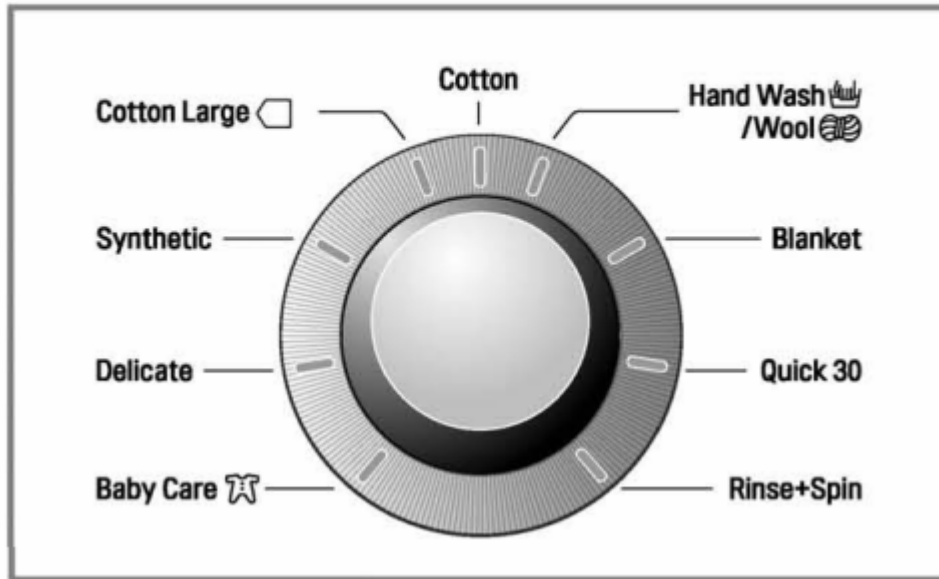
2. Initial Program


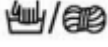
- When the Power button is pressed, the washer is ready for Cotton program. And the other initial conditions as follows.
- So, if you want to advance into the washing cycle without changing the program, just press the **Start/Pause** button and then the washer will proceed.

◆ Initial program

- Cotton Program / Main wash / Normal Rinse / 1400 rpm / 40° C
- Cotton Program / Main wash / Normal Rinse / 1200 rpm / 40° C
- Cotton Program / Main wash / Normal Rinse / 1000 rpm / 40° C

Program



- 9 programs are available according to the laundry type.
- Lamp will light up to indicate selected program.
- When **Start/Pause** button is pressed, the Cotton program is automatically selected.
- By turning the Program dial, the program is selected in order of “Cotton - Cotton Large - Synthetic -Delicate - Baby Care () - Rinse + Spin-Quick 30 - Blanket - Hand Wash/Wool ()”.

Regarding to the laundry type for each program Please refer to the pagell.

Start/Pause



1. Start

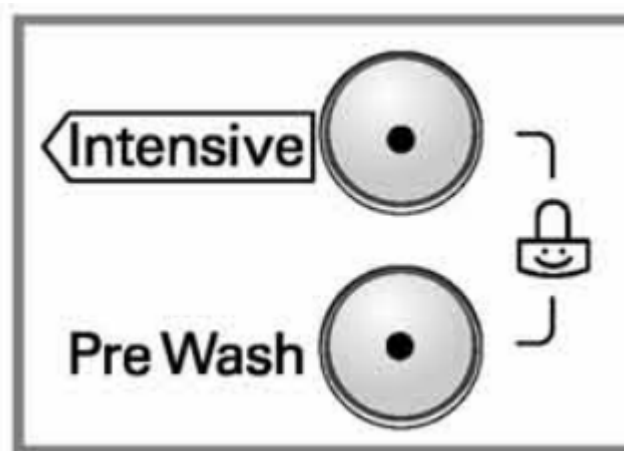
- This **Start/Pause** button is used to start wash cycle or pause the wash cycle.

2. Pause

- If temporary stop of wash cycle is needed, press the **Start/Pause** button.
- When in Pause, the power is turned off automatically after 4 minutes.

- **NB.** The door will not open before 1 to 2 minutes when Pause is selected, or at the end of the wash cycle.

Option



- By pressing the Option button, all Option functions may be selected.

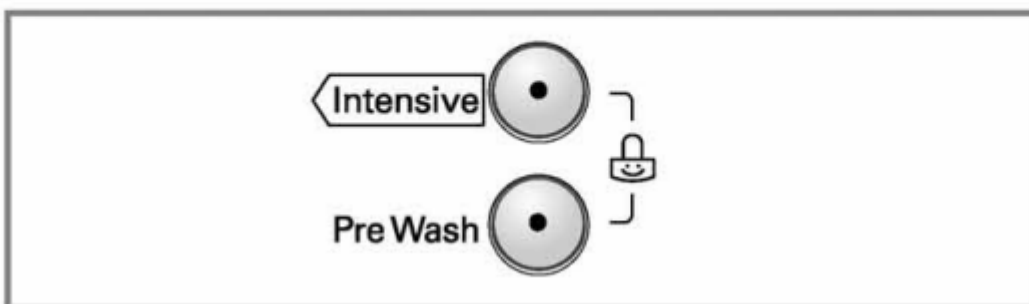
1. Intensive

- If the laundry is heavily soiled “Intensive” option is effective.

2. Pre Wash

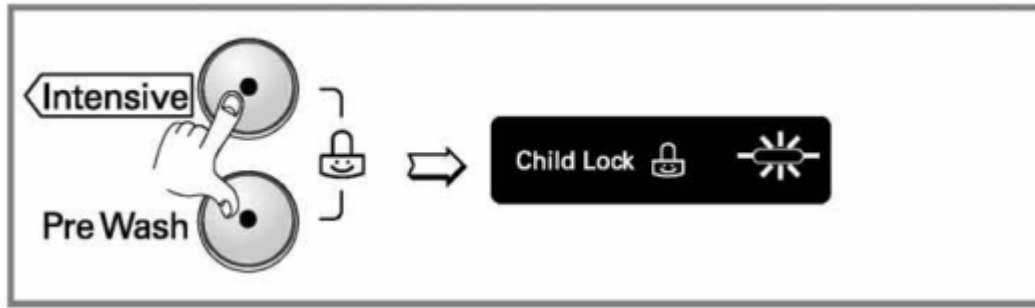
- If the laundry is heavily soiled, “Pre Wash” course is effective.
- Pre Wash is available in Cotton, Synthetic and Baby Care.

Child Lock

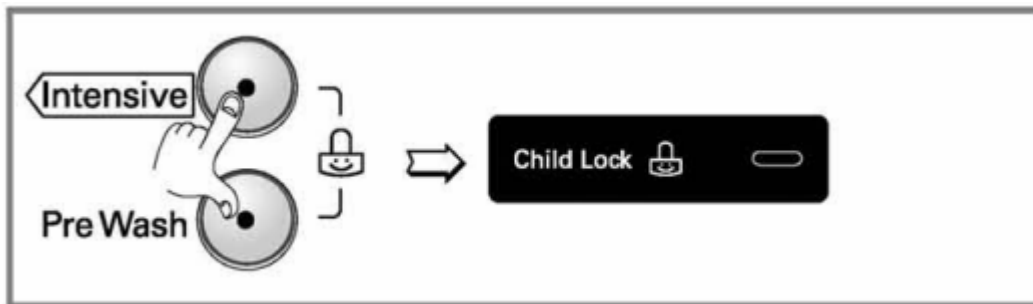


If you choose to lock the buttons on the control assembly to prevent tampering this function may be selected.

- Child Lock can be set by pressing the **Intensive** button and **Pre Wash** button simultaneously. (About three seconds)

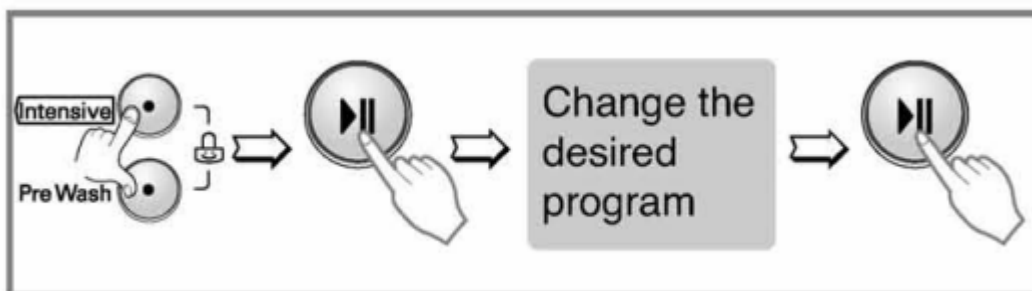


•To deactivate Child Lock system, press **Intensive** and **Pre Wash** buttons simultaneously again. (About three seconds)



•To change to the desired program, whilst in child lock mode.

1. Press both **Intensive** and **Pre Wash** together once again. (About three seconds)
2. Press the **Start/Pause** button.
3. Select the desired program and press the **Start/Pause** button again.



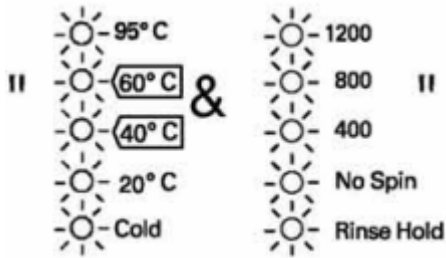
The child lock can be set at any time and it can be deactivated only by using child lock cancel process. Turning the power off and operational errors will not affect child lock.

Maintenance

* **Before cleaning the washer interior, unplug the electrical power cord to avoid electrical shock to avoid electrical shock hazards.**

*** When disposing of the appliance, cut off the mains cable, and destroy the plug
Disable the door lock to prevent young children being trapped inside.**

■ The water inlet filter

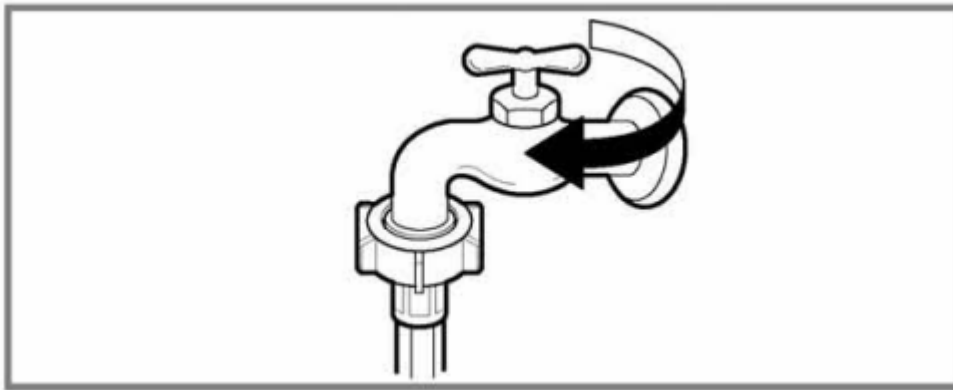


error message will blink on the control panel when water does not enter the detergent drawer.

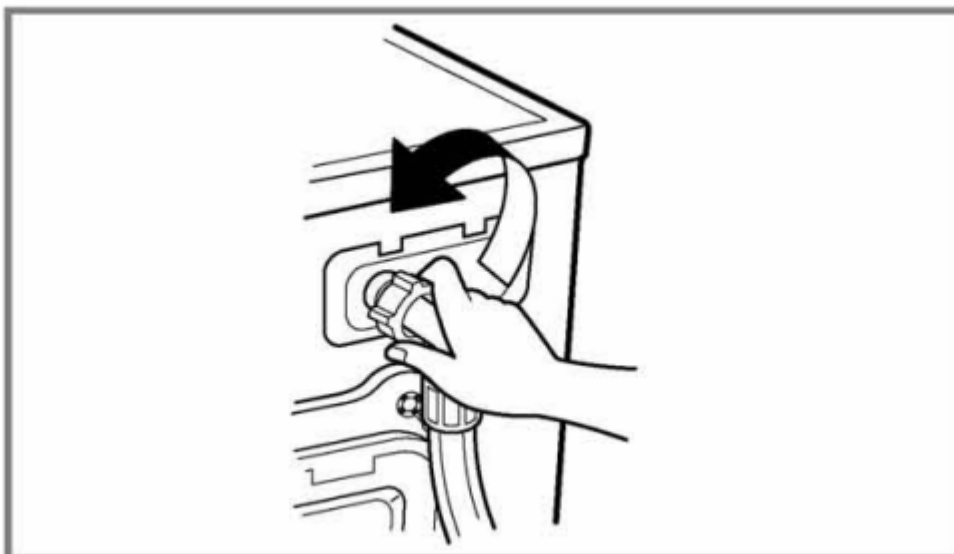
- If water is very hard or contains traces of lime deposit, the water inlet filter may become clogged.

It is therefore a good idea to clean it from time to time.

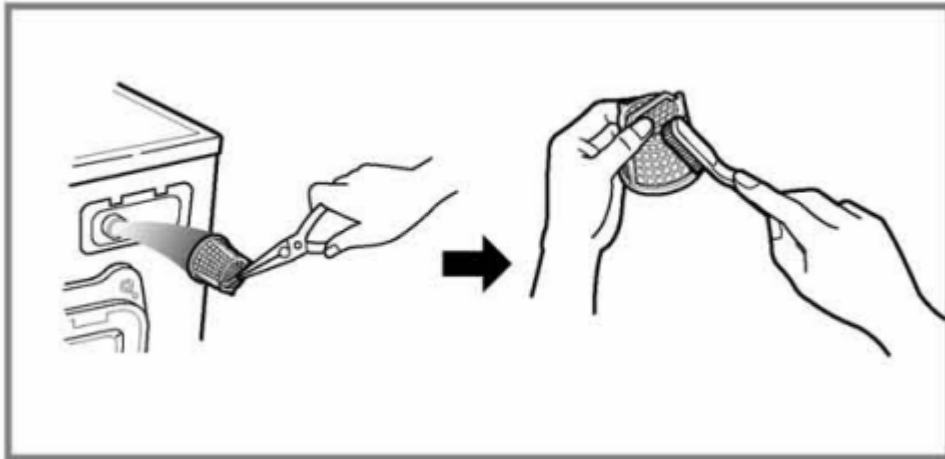
1. Turn off the water tap.



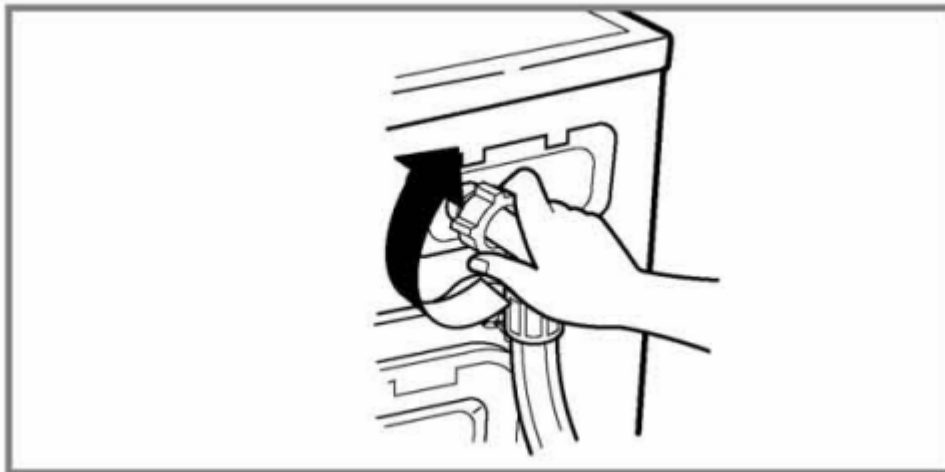
2. Unscrew the water inlet hose.



3. Clean the filter using a hard bristle brush.



4. Tighten up the inlet hose.



■ The drain pump filter

* The drain filter collects threads and small objects left in the laundry.

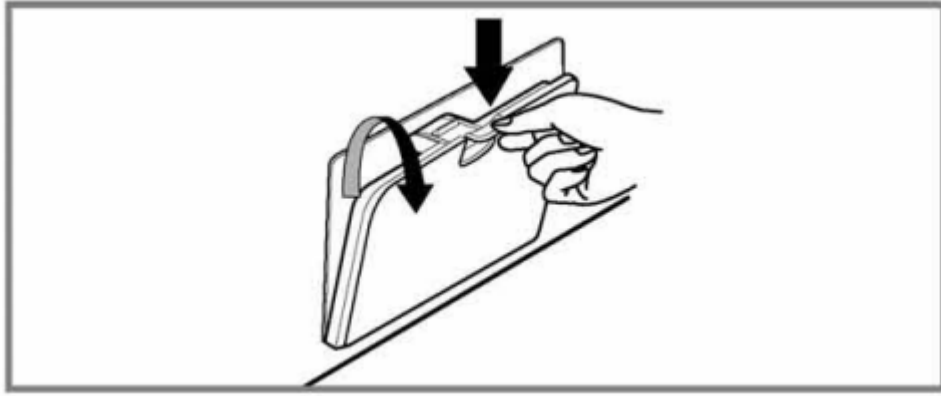
Check regularly that the filter is clean to ensure smooth running of your machine.

CAUTION: First drain using the drain hose and then open the pump filter to remove whatever any threads or objects.

Be careful when draining if the water is hot.

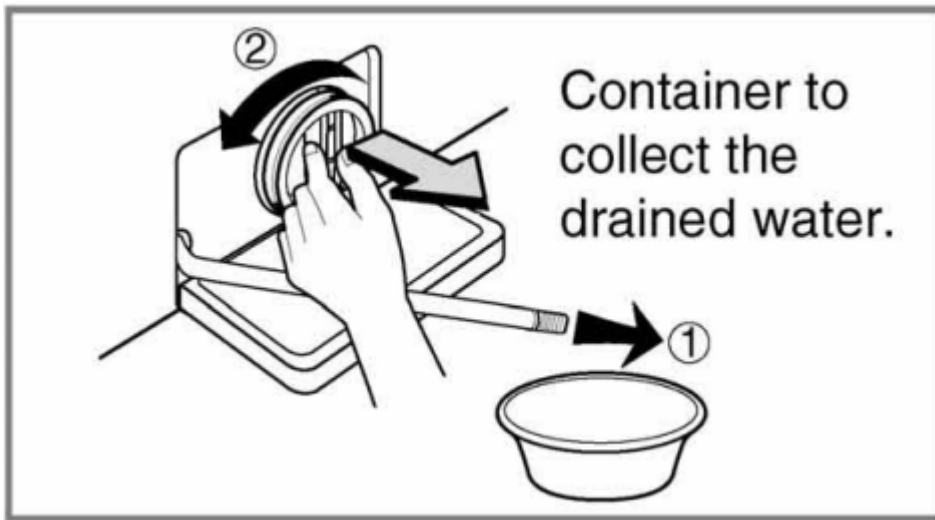
* Allow the water to cool down before cleaning the drain pump, carrying out emergency emptying or opening the door in an emergency.

1. Open the lower cover cap. pull out the hose.

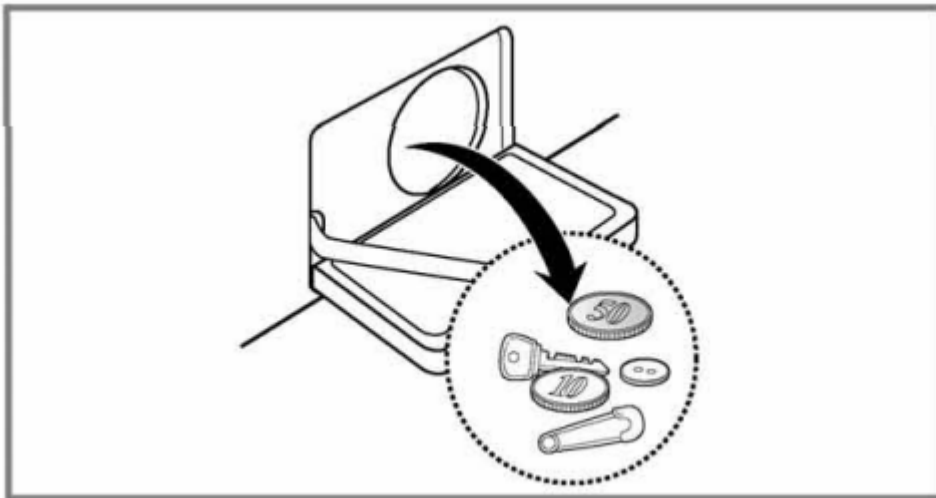


2. Unplug the drain plug.

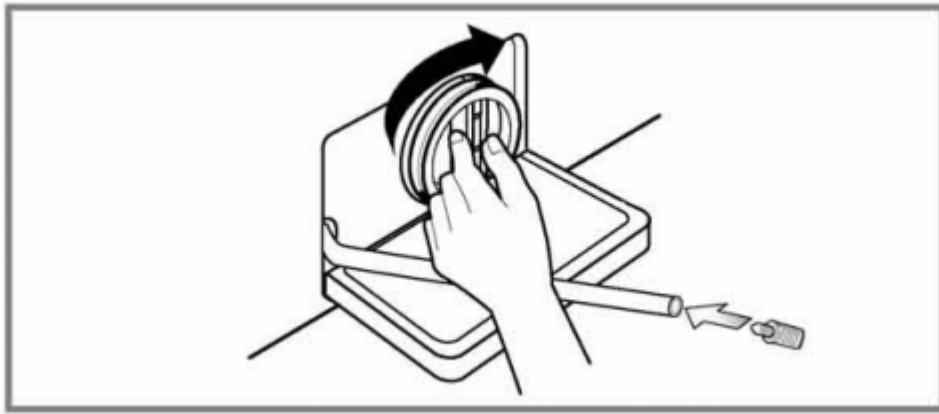
Open the filter by turning to the left.



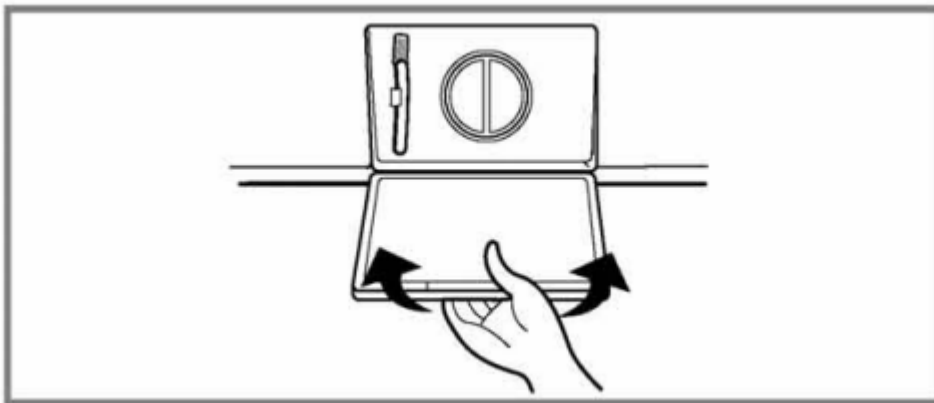
3. Remove any extraneous matter from the pump filter.



4. After cleaning, turn the pump filter and insert the drain plug.

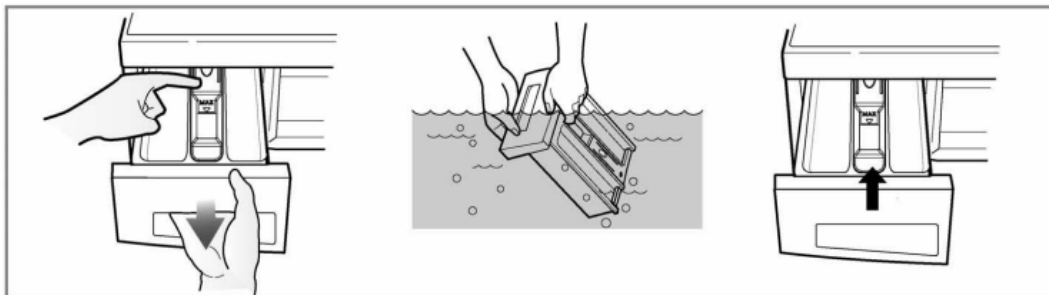


5. Close the lower cover cap.



■ Dispenser drawer

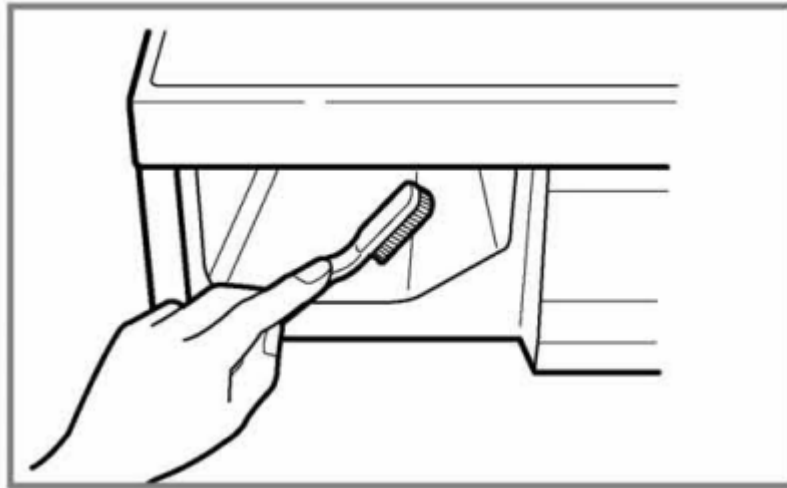
- After a while detergents and fabric softeners leave a deposit in the drawer.
- It should be cleaned from time to time with a jet of running water.
- If necessary it can be removed completely from the machine by pressing the catch downwards and by pulling it out.
- To facilitate cleaning, the upper part of the fabric softener compartment can be removed.



■ The drawer recess

* Detergent can also accumulate inside the recess which should be cleaned occasionally with an old toothbrush.

- Once you have finished cleaning, replace the drawer and run a rinse cycle without laundry.



■ The washing drum

- If you live in a hard water area, limescale may continuously build up in places where it cannot be seen and thus not easily removed.

Over time the build up of scale clogs appliances, and if it is not kept in check these may have to be replaced.

- Although the washing drum is made of Stainless steel, specks of rust can be caused by small metal articles (paper clips, safety pins) which have been left in the drum.

- The washing drum should be cleaned from time to time.

- If you use descaling agents, dyes or bleaches, make sure they are suitable for washing machine use.

* Descaler may contain chemicals that may damage part of your washing machine.

* Remove any spots with a stainless steel cleaning agent.

* Never use steel wool.

■ Cleaning your washer

1. Exterior

Proper care of your washer can extend its life.

The outside of the machine can be cleaned with warm water and a neutral non abrasive household detergent.

Immediately wipe off any spills. Wipe with damp cloth.

Try not to hit surface with sharp objects.

IMPORTANT: Do not use methylated spirits, diluents or similar products.

2. Interior

Dry around the washer door opening, flexible gasket and door glass.

Run washer through a complete cycle using hot water.

Repeat process if necessary.

NOTE: Remove hard water deposits using only cleaners labeled as safe for washing machine.

■ Winterizing instructions

If the washer is stored in an area where freezing may occur or moved in freezing temperatures, follow these instructions to prevent damage to the washer:

1. Turn off water supply tap.
2. Disconnect hoses from water supply and drain water from hoses.
3. Plug electrical cord into a properly grounded electrical outlet.
4. Add 1gallon(3.8L) of nontoxic recreational vehicle(RV) antifreeze into an empty wash drum. Close the door.
5. Set spin cycle and let washer spin for 1 minute to drain out all water.

Not all of the RV antifreeze will be expelled.

6. Unplug electrical power cord, dry the drum interior, and close the door.
7. Remove dispenser drawer, drain and dry excessive water from the compartments.
8. Store washer in an upright position.
9. To remove antifreeze from washer after storage, run empty washer through a complete cycle using detergent. Do not add wash load.

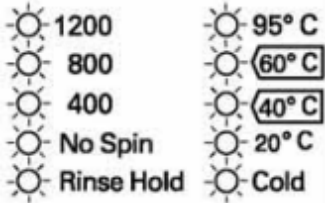
Troubleshooting guide

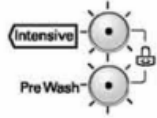

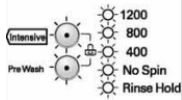

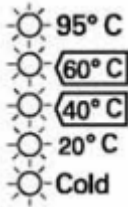
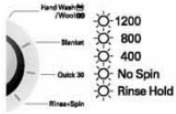
*** This washing machine is equipped with automatic safety functions which detect and diagnose faults at an early stage and react appropriately**

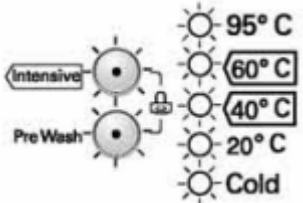
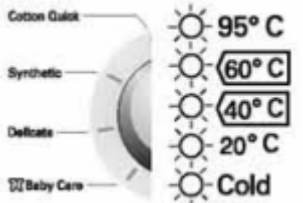
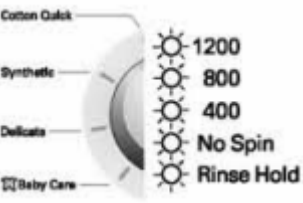
When the machine does not function properly or does not function at all, check the following points before you contact your service provider.

Symptom	Possible Cause	Solution
Rattling and clanking noise	<ul style="list-style-type: none"> Foreign objects such as coins or safety pins may be in drum or pump. 	<p>Stop washer and check drum and drain filter.</p> <p>If noise continues after washer is restarted, call your authorised service centre.</p>
Thumping sound	<ul style="list-style-type: none"> Heavy wash loads may produce a thumping sound. This is usually normal. 	<p>If sound continues, washer is probably out of balance. Stop and redistribute wash load.</p>
Vibrating noise	<ul style="list-style-type: none"> Have all the transit bolts and packing been removed? Are all the feet resting firmly on the ground? 	<p>If not removed during installation. Refer to Installation guide for removing transit bolts.</p> <p>Wash load may be unevenly distributed in drum. Stop washer and rearrange wash load.</p>
Water leaks.	<ul style="list-style-type: none"> Fill hoses or drain hose are loose at tap or washer. 	<p>Check and tighten hose connections.</p>
	<ul style="list-style-type: none"> House drain pipes are clogged. 	<p>Unclog drain pipe. Contact plumber if necessary.</p>
Oversudsing		<p>Too much detergent or unsuitable detergent may cause excessive foaming which may result in water leaks.</p>
Water does not enter washer or it enters slowly	<ul style="list-style-type: none"> Water supply is not adequate in area. 	<p>Check another tap in the house.</p>
		<p>Fully open tap.</p>

	<ul style="list-style-type: none"> • Water supply tap is not completely open. 	
	<ul style="list-style-type: none"> • Water inlet hose(s) are kinked. 	Straighten hose.
	<ul style="list-style-type: none"> •The filter of the inlet hose(s) clogged. 	Check the filter of the inlet hose.
Water in the washer does not drain or drains slowly.	<ul style="list-style-type: none"> • Drain hose is kinked or clogged. • The drain filter is clogged. 	Clean and straighten the drain hose. Clean the drain filter
Washer does not start.	<ul style="list-style-type: none"> • Electrical power cord may not be plugged in or connection may be loose. 	Make sure plug fits tightly in wall outlet.
	<ul style="list-style-type: none"> • House fuse blown, circuit breaker tripped, or a power outage has occurred. • Water supply tap is not turned on. 	Reset circuit breaker or replace fuse. Do not increase fuse capacity. If problem is a circuit overload, have it corrected by a qualified electrician. Turn on water supply tap.
Washer will not spin.	<ul style="list-style-type: none"> • Check that the door is firmly shut. 	<p>Close the door and press the Start/Pause button. After pressing the Start/Pause button, it may take a few moments before the clothes washer begins to spin. The door must lock before spin can be achieved.</p> <p>Add 1 or 2 similar items to help balance the load.</p> <p>Rearrange load to allow proper spinning.</p>

<p>Door does not open.</p>		<p>Once machine has started, the door cannot be opened for safety reasons. Check if the “Door Lock” icon is illuminated. You can safely open the door after the “Door Lock” icon turns off.</p>
<p>Wash cycle time delayed.</p>		<p>The washing time may vary by the amount of laundry, water pressure, water temperature and other usage conditions.</p> <p>If the imbalance is detected or if the suds removing program works, the wash time shall be increased.</p>
<p>Fabric softener overflow.</p>	<p>Too much softener may cause an overflow.</p>	<p>Follow softener guidelines to ensure appropriate amount is used.</p> <p>Do not exceed the maximum fill line.</p>
<p>Softeners dispensed too early.</p>		<p>Close the dispenser drawer slowly. Do not open the drawer during the wash cycle.</p>
	<ul style="list-style-type: none"> • Water supply is not adequate in area. • Water supply taps are not completely open. • Water inlet hose(s) are kinked. • The filter of the inlet hose(s) are clogged. 	<p>Check another tap in the house. Fully open tap.</p> <p>Straighten hose(s).</p> <p>Check the filter of the inlet hose.</p>

	<ul style="list-style-type: none"> • Drain hose is kinked or clogged. • The drain filter is clogged. 	<p>Clean and straighten the drain hose. Clean the drain filter.</p>
	<ul style="list-style-type: none"> • Load is too small. • Load is out of balance. • The appliance has an imbalance detection and correction system. If individual heavy articles are loaded (ex. bath mat, bath robe, etc.) this system may stop spinning or even interrupt the spin cycle altogether. • If the laundry is still too wet at the end of the cycle, add smaller articles of laundry to balance the load and repeat the spin cycle. 	<p>Add 1 or 2 similar items to help balance the load.</p> <p>Rearrange load to allow proper spinning</p>
	 <ul style="list-style-type: none"> • Is the door opened? 	<p>Close the door.</p> <p>* If it is not released, call for service.</p>
		<p>Unplug the power plug and call for service.</p>
	<ul style="list-style-type: none"> • Water overfills due to the faulty water valve. 	<p>Close the water tap. Unplug the power plug. Call for service.</p>

	<ul style="list-style-type: none"> • Water level sensor has malfunctioned. 	
	<ul style="list-style-type: none"> • Over load in motor. 	
	<ul style="list-style-type: none"> • Over load in motor. 	

Note: SmartDiagnosis™ function is available only for the products with a SmartDiagnosis™ mark. In case of a mobile phone with static option, the smart diagnosis function might not operate.

■ Using SmartDiagnosis™

- Only use this feature when instructed to do so by the call center.

The transmission sounds similar to a fax machine, and so has no meaning except to the call center.

- SmartDiagnosis™ cannot be activated if the washer does not power up.

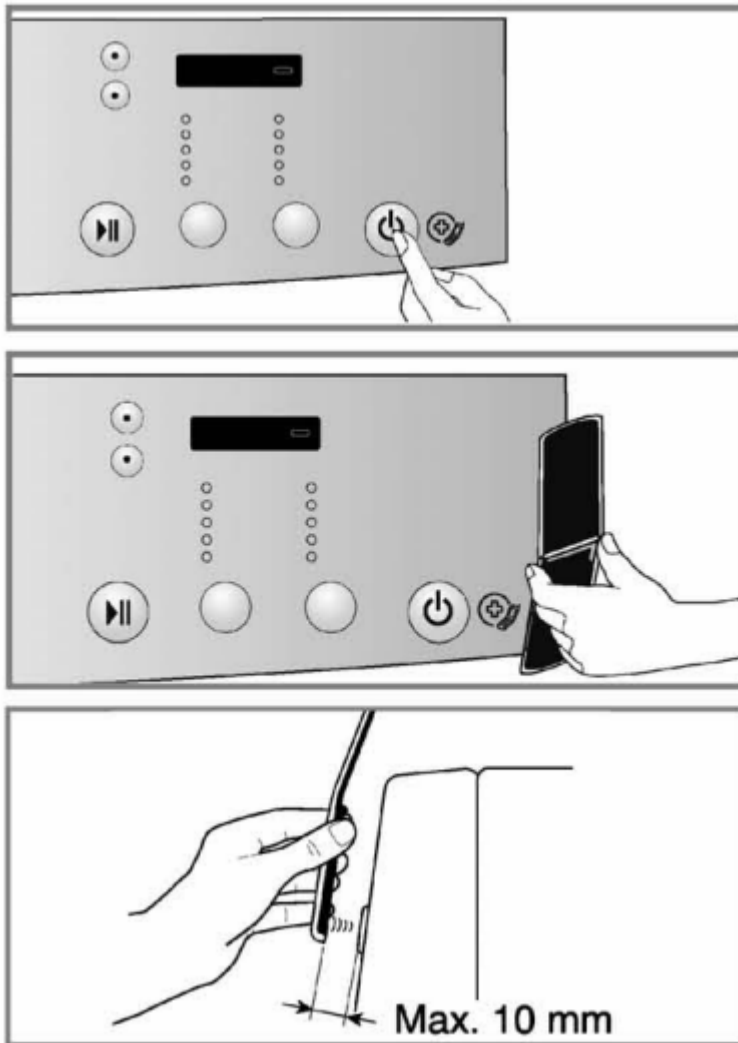
If this happens, then troubleshooting must be done without SmartDiagnosis™.

If you experience problems with your washer, call to Customer information center.

Follow the call center agent's instructions, and do the following steps when requested:

1. Press the Power button to turn on the washer.

Do not press any other buttons or turn the cycle selector knob.



2. When instructed to do so by the call center, place the mouthpiece of your phone very close to the Power button.



3. Press and hold the “Temp.” button for three seconds, while holding the phone mouthpiece to the icon or Power button.

4. Keep the phone in place until the tone transmission has finished.

This takes about 6 seconds, and the display will count down the time.

- For best results, do not move the phone while the tones are being transmitted.
- If the call center agent is not able to get an accurate recording of the data, you may be asked to try again.

- Pressing the Power button during the transmission will shut off the SmartDiagnosis™.

5. Once the countdown is over and the tones have stopped, resume your conversation with the call center agent, who will then be able to assist you using the information transmitted for analysis at the call to Customer information center.

- Smart Diagnosis is a troubleshooting feature designed to assist, not replace, the traditional method of troubleshooting through service calls. The effectiveness of this feature depends upon various factors, including, but not limited to, the reception of the cellular phone being used for transmission, any external noise that may be present during the transmission, and the acoustics of the room where the machine is located.

Accordingly, LG does not guarantee that Smart Diagnosis would accurately troubleshoot any given issue.

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.