MFL67658553

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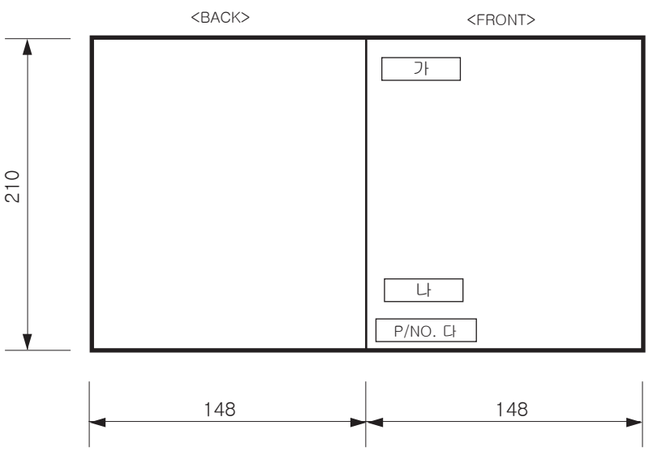
이 도면은 LG전자의 자산으로 불법 유출시 관계법과 회사규정에 의해 처벌됨.

SEC. / WORK	가 BRAND	나 MODEL	다 P/NO.	PRINTING DEGREE EXTERIER	PRINTING DEGREE INTERIER	LG MODEL 명	BUYER	PAGE	REMARK
01	LG	FH0C7FD3S	MFL67658553	1	1	FH0C7FD3S	Appro	156	FH0C7FD3S.ASSQEEU



<< 주기 >>
1. 재질 : 모조지 80g
2. 인쇄작업
   1) G/S(LG) BRAND(FIG1) : * 표지 - 1도 : LG RED PANTONE #207
      - 2도 : LG GRAY PANTONE #430
      * 내지 - 1도 : BLACK
   2) OEM BRAND(FIG2) : * 표지 - 1도 : BLACK
      * 내지 - 1도 : BLACK
3. 문자의 크기 및 형상은 주어진 FILM에 준한다.
4. 책자의 크기는 일반적 규격(국판)에 준한다.
5. 양산 전에 설계 한도를 득할 것.
6. 유해물질 관리기준
   : 본 부품에 금지물질이 포함되지 않도록 하고, 상세 내용은 LG(63)-A-5501-34를 만족할 것.

<< NOTES >>
1. Material : Vellum paper
2. Print work
   1) G/S(LG) BRAND(FIG1) : * Cover - First color : LG Red Pantone #207
      - Second color : LG GRAY PANTONE #430
      * Inside - First color : Black
   2) OEM BRAND(FIG2) : * Cover - First color : Black
      * Inside - First color : Black
3. Printing, text size and line are based on LG design film.
4. Size will Follow the standard.
5. Before product controlled by criteria sample.
6. Standard of supervision for hazardous material
   : The part should not contain prohibited substances(Pb,Cd,Hg,Cr+6,PBB,PBDE) and details should comply with LG standard of LG(63)-A-5501-34.

REV. NO. 기호	REVISION DESCRIPTION 변경 사항	REF. NO. 시방 번호	DATE 년/월/일	PREPARED 시방자	APPROVED 승인자	REV. NO. 기호	REVISION DESCRIPTION 변경 사항	REF. NO. 시방 번호	DATE 년/월/일	PREPARED 시방자	APPROVED 승인자
①	Owners manual 내용 현실화	EAGH200059	2017.02.02	김영관	김재문	⑤					
②	Owners manual 내용 현실화	EAGH400721	2017.04.28	김영관	김재문	⑥					
③	Owners manual 내용 현실화	EAGH600541	2017.06.16	김영관	김재문	⑦					
④						⑧					

DR COMPLETED
도면 DR 완료

PDF
ILLUSTRATOR

완료일 :

TRIG.	UNIT	mm	SCALE 1/1	TITLE
MODELING / DESIGNED 김영관 17.01.02	REVIEWED	CHECKED 윤형구 17.01.04	APPROVED 김재문 17.01.04	MANUAL,OWNER'S TITAN-C (W) HEATER 1/1

LG 전자 (주)
LG Electronics Inc.

RELATED DWG.

DWG. No. MFL67658553

LG
Life's Good

OWNER'S MANUAL

COMMERCIAL WASHER

Before beginning installation, read these instructions carefully. This will simplify installation and ensure that the washer is installed correctly and safely. Leave these instructions near the washer after installation for future reference.

MODEL
FH0C7FD3S

MFL67658553

www.lg.com

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PRODUCT FEATURES

DIRECT DRIVE SYSTEM

The advanced brushless DC motor drives the drum directly without using a belt and pulley.

TILTED DRUM AND EXTRA LARGE DOOR OPENING

The tilted drum and extra large opening make it possible to load and unload clothing more easily.

ULTRA CAPACITY

The larger drum enables more tumbling action and greater centrifugal force, but also less tangling and wrinkling of the laundry. Heavier loads, such as king size comforters, blankets, and curtains can be washed.

SEE-THROUGH DOOR AND BIG DOOR

You can see the laundry throughout the cycle.

MAGNETIC DOOR PLUNGER

Safely and conveniently secure the door slightly ajar with the magnetic door plunger. This will promote air circulation and allow the interior of the machine to dry. To use this feature, after the load has been removed, do not close the door completely. When the magnetic door plunger comes into contact with the metal washer cabinet, it will secure the door slightly open allowing the interior of the washer to dry.

STAINLESS STEEL DRUM

Stainless steel drum offers extreme durability.

TUB CLEAN

Regular cleaning of the tub on a monthly basis using TUB CLEAN can help keep the tub clean and fresh.

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

⚠ WARNING

For your safety, the information in this manual must be followed to minimize the risk of fire or explosion, electric shock, or to prevent property damage, injury to persons, or death.

Your Safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages.

⚠ This is the safety alert symbol.
This symbol alerts you to potential hazards that can kill or hurt you and others.
All safety messages will follow the safety alert symbol and either the word DANGER, WARNING or CAUTION. These words mean:

⚠ DANGER

You will be killed or seriously injured if you don't immediately follow instructions.

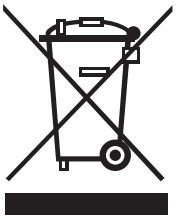
⚠ WARNING

You can be killed or seriously injured if you don't follow instructions.

⚠ CAUTION

You may be slightly injured or cause damage to the product if you do not follow instructions.
All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.

Disposal of your old appliance



1. This crossed-out wheeled bin symbol indicates that waste electrical and electronic products (WEEE) should be disposed of separately from the municipal waste stream.
2. Old electrical products can contain hazardous substances so correct disposal of your old appliance will help prevent potential negative consequences for the environment and human health.

   Your old appliance may contain reusable parts that could be used to repair other products, and other valuable materials that can be recycled to conserve limited resources.
3. You can take your appliance either to the shop where you purchased the product, or contact your local government waste office for details of your nearest authorised WEEE collection point. For the most up to date information for your country please see www.lg.com/global/recycling

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

⚠ WARNING

For your safety, the information in this manual must be followed to minimize the risk of fire or explosion, electric shock, or to prevent property damage, injury to persons, or death.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

Children of less than 3 years should be kept away unless continuously supervised.

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

⚠ WARNING

For your safety, the information in this manual must be followed to minimize the risk of fire or explosion, electric shock, or to prevent property damage, injury to persons, or death.

BASIC SAFETY PRECAUTIONS

⚠ WARNING

To reduce the risk of fire, electric shock, or injury to persons when using this appliance, follow basic precautions, including the following.

- Read all instructions before using the washer.
- Do not wash articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, dry cleaning solvents, or other flammable or explosive substances, as they give off vapors that could ignite or explode.
- Do not add gasoline, dry cleaning solvents, or other flammable or explosive substances to the wash water.
  These substances give off vapors that could ignite or explode.
- Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for 2 weeks or more. HYDROGEN GAS IS EXPLOSIVE. If the hot water system has not been used for such a period, before using the washing machine, turn on all hot water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use an open flame during this time.
- Do not allow children to play on or in the washer. Close supervision of children is necessary when the washer is used near children.
- Before the washer is removed from service or discarded, remove the door to prevent children from hiding inside.
- Do not install or store the washer where it will be exposed to the weather.
- Do not tamper with the controls.
- Do not repair or replace any part of the washer or attempt any servicing unless specifically recommended in the user-maintenance instructions or published user-repair instructions that you understand and have the skills to carry out.
- See Installation Instructions for grounding requirements.
- ALWAYS follow the fabric care instructions supplied by the garment manufacturer.
- Do not place items exposed to cooking oil in your washer. Items contaminated with cooking oils may contribute to a chemical reaction that could cause a load to catch fire.
- Do not use fabric softeners or products to eliminate static unless recommended by the manufacturer of the fabric softener or product.

SAVE THESE INSTRUCTIONS

GROUNDING INSTRUCTIONS

This appliance must be grounded. In the event of malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electric current. This appliance is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

- Do not use an adapter or extension cord.
- Do not remove ground prong.
- If you don't have the proper outlet, consult an electrician.

⚠ WARNING

Improper connection of the equipment-grounding conductor can result in risk of electric shock. Consult a qualified electrician or serviceman if you are in doubt as to whether the appliance is properly grounded. Do not modify the plug provided with the appliance - if it does not fit the outlet, have a proper outlet installed by a qualified electrician.

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

⚠ WARNING

For your safety, the information in this manual must be followed to minimize the risk of fire or explosion, electric shock, or to prevent property damage, injury to persons, or death.

SAFETY INSTRUCTIONS FOR INSTALLATION

⚠ WARNING

To reduce the risk of fire, electric shock, or injury to persons when using this appliance, follow basic precautions, including the following.

- **Refer to INSTALLATION INSTRUCTIONS for detailed grounding procedures.** Installation instructions are packed in the washer for installer's reference. If the washer is moved to a new location, have it checked and reinstalled by a qualified service person. Failure to follow this warning can cause serious injury, fire, electric shock or death.
- **Do not, under any circumstances cut or remove the third (ground) prong from the power cord.** Failure to follow this warning can cause serious injury, fire, electric shock or death.
- **For personal safety, this appliance must be properly grounded.** Failure to follow this warning can cause serious injury, fire, electric shock or death.
- **The power cord of this appliance is equipped with a 3-prong (grounding) plug which fits a standard 3-prong (grounding) wall outlet to** minimize the possibillty of electric shock hazard from this appliance.
- **This washer must be plugged into a 220-240 V~, 50 Hz grounded outlet.** Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- **Have the wall outlet and circuit checked by a qualified electrician to make sure the outlet is properly grounded.**
  Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- **Where a standard 2-prong wall outlet is encountered, it is your personal responsibility and obligation to have it replaced with a properly grounded 3-prong wall outlet.**
  Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- **Do not install on carpet. Install the washer on a solid floor.** Failure to follow this warning can cause serious leak damage.
- **Do not remove the ground prong. Do not use an adapter or extension cord. Plug into a grounded 3 prong outlet.** Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- **The washer should always be plugged into its own individual electrical outlet which has a voltage rating that matches the rating plate.** This provides the best performance and also prevents overloading house wiring circuits which could cause a fire hazard from overheated wires.
- **Never unplug your washer by pulling on the power cord. Always grip the plug firmly and pull straight out from the outlet.** Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- **Repair or replace all power cords that have become frayed or otherwise damaged. Do not use a cord that shows cracks or abrasion damage along its length or at either end.** Failure to follow this warning can cause serious injury, fire, electric shock,or death.
- **When installing or moving the washer, be careful not to pinch, crush, or damage the power cord.** Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- **The washer must be installed and electrically grounded by a qualified service person in accordance with local codes,** to prevent shock hazard and assure stability during operation.
- **The washer is heavy. Two or more people are needed to install and move the appliance.** Failure to do so can result in back or other injury
- **Store and install the washer where it will not be exposed to temperatures below freezing or exposed to outdoor weather conditions.** Failure to follow this warning can cause serious leak damage.
- **Do not install the washer in humid spaces to reduce the risk of electric shock.** Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- **To reduce the risk of injury to persons, adhere to all industry recommended safety procedures including the use of long sleeved gloves and safety glasses.** Failure to follow all of the safety warnings in this manual could result in property damage, injury to persons or death.
- **Keep the area underneath and around your appliances free of combustible materials such as lint, paper, rags, chemicals, etc.** Failure to do so can result in fire.

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

⚠ WARNING

For your safety, the information in this manual must be followed to minimize the risk of fire or explosion, electric shock, or to prevent property damage, injury to persons, or death.

SAFETY INSTRUCTIONS FOR USE, CARE, CLEANING, AND DISPOSAL

⚠ WARNING

To reduce the risk of fire, electric shock, or injury to persons when using the washer, follow basic precautions, including the following:

- **Unplug the washer before cleaning** to avoid the risk of electric shock.
- **Never use harsh chemicals, abrasive cleaners, or solvents to clean the washer.** They will damage the finish.
- **Do not put oily or greasy rags or clothing on top of the washer.** These substances give off vapors that could ignite the materials.
- **Do not wash items that are soiled with vegetable or cooking oil.** These items may contain some oil after laundering.
  Due to the remaining oil, the fabric may smoke or catch fire by itself.
- **Disconnect this appliance from the power supply before attempting any user maintenance.**
  Turning the controls to the OFF position does not disconnect this appliance from the power supply.
  Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- **Do not combine laundry products for use in 1 load unless specified on the label. Do not mix chlorine bleach with ammonia or acids such as vinegar.**
  Follow package directions when using laundry products. Incorrect usage can produce poisonous gasresulting in serious injury or death.
- **Do not reach into the washer while parts are moving. Before loading, unloading, or adding items, push in the cycle selector knob and allow the drum to coast to a complete stop before reaching inside.**
  Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- **This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.**
- **Children should be supervised to ensure that they do not play with the appliance.**
- **Do not allow children to play on or in the washer.**
  Close supervision of children is necessary when the washer is used near children. As children grow, teach them the proper, safe use of all appliances.
  Failure to comply with these warnings could result in serious personal injuries.
- **Destroy the carton, plastic bag, and other packing materials after the washer is unpacked.**
  Children might use them for play.
  Cartons covered with rugs, bedspreads or plastic sheets can become airtight chambers. Failure to comply with these warnings could result in serious personal injuries.
- **Keep laundry products out of children's reach.**
  To prevent injury to persons, observe all warnings on product labels. Failure to comply with these warnings could result in serious personal injuries.

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

⚠ WARNING

For your safety, the information in this manual must be followed to minimize the risk of fire or explosion, electric shock, or to prevent property damage, injury to persons, or death.

SAFETY INSTRUCTIONS FOR USE, CARE, CLEANING, AND DISPOSAL

⚠ WARNING

To reduce the risk of fire, electric shock, or injury to persons when using the washer, follow basic precautions, including the following:

- **Remove the door to the washing compartment to avoid the danger of children or small animals getting trapped inside before your washer is removed from service or discarded.**Failure to do so can result injury or death.
- **Before the washer is removed from service or discarded, remove the washer door to prevent accidental entrapment.**
  Failure to comply with these warnings could result in serious personal injuries.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- **The new hose-sets supplied with the appliance are to be used and that old hose-sets should not be reused.**

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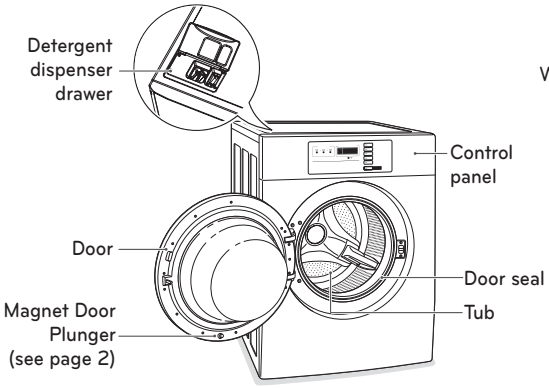
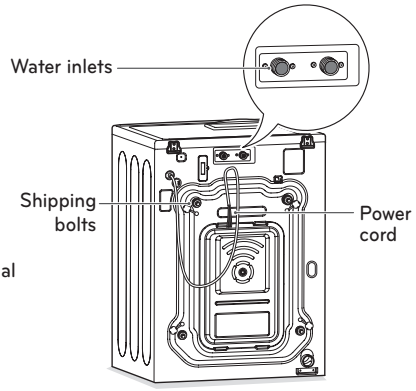
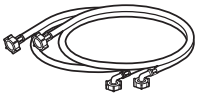
PARTS AND ACCESSORIES

Parts

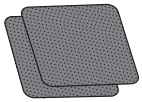




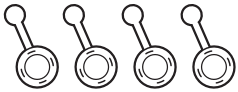
Accessories



Hot and Cold Water Hoses



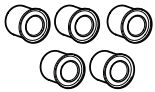
Non-skid pads



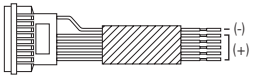
Caps (4)
(for covering shipping bolt holes)



Wrench
(for removing shipping bolts and adjusting leveling feet)



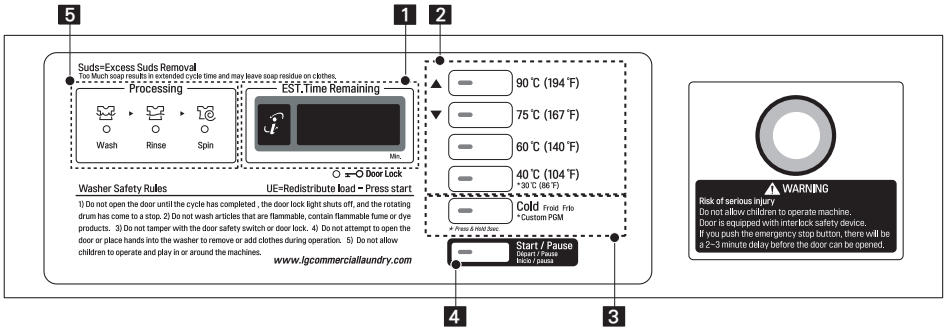
Hole cap (5)
(for securing auto dosing hole)



Harness
(for connecting auto dosing)

CONTROL PANEL FEATURES

OPL type (FH0C7FD3S)

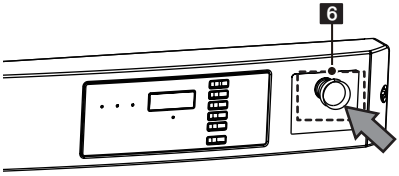


Optional function button

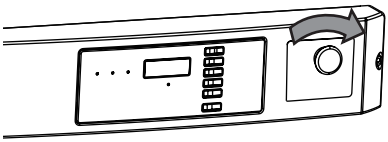
1. Display LED
2. Cycle button
3. Optional function button
4. Start/Pause button
5. Status LED
6. Emergency stop button

How to Emergency stop button

1 Press emergency stop button in emergency situation.



2 After emergency situation is resolved turn the button follow by arrow sign (right).

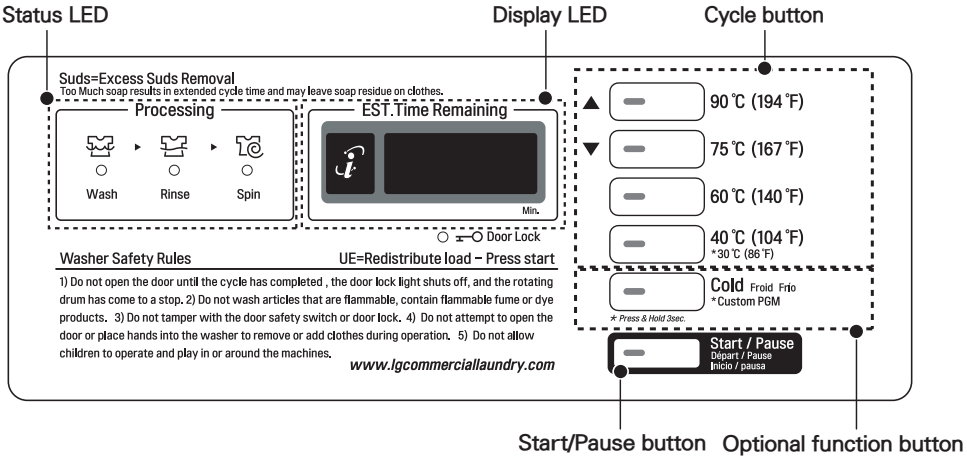


NOTE

- To utilize as Non-heater model, order Display Sheet for Titan-C (W) Non-heater model (FH0C7FD3.ASSQMLS) and change the sheet.

NOTE

- In case of pressing button by mistake, machine can run normally by resetting emergency stop button after 2, 3 seconds.
- After resetting emergency stop button, LED light will blink in start button and by pressing start button again, machine will run normally again.



Display LED

The display shows the vend price and remaining time and programming options.
Error codes are also displayed here.



Cycle button

Press the CYCLE button to select the desired cycle based on laundry types and conditions.

90°C (194°F)

Use it for the more medical wash than 75°C (167°F) such as white clothes, baby clothes, sheets and underwear.

75°C (167°F)

Use it for heavy soiled fabrics such as white clothes, baby clothes, sheet and underwear.

60°C (140°F)

Use it for heavy soiled fabrics such as baby wear, underwear and white clothes.

40°C (104°F) / 30°C (86°F)

Use it for normal soiled fabrics such as cotton, linen, towels, shirts and jeans.

Cold

Use for cold washing for sturdy fabrics, such as casual work.

Optional function button

Custom PGM: Customized cycle program can be used. Only available in OPL type.
Press and hold the Cold button for 3 seconds, then choose a customized cycle by using the 90°C or 75°C buttons.

Start button

The Start LED flashes when the full vend price has been satisfied and the cycle has been chosen.

Status LED

LED	Description
Wash	LED flashes whenever the washing cycle is in operation.
Rinse	LED flashes whenever the Rinsing cycle is in operation.
Spin	LED flashes whenever the Spining cycle is in operation.
Door Lock	LED flashes whenever the door lock is activated.

INSTALLATION INSTRUCTIONS

Checking and choosing the proper location

Install the washing machine on a solid floor that is strong and rigid enough to support the weight of the washing machine, even when fully loaded, without flexing or bouncing. If the floor has too much flex, you may need to reinforce it to make it more rigid. If the floor is not solid, it may cause severe vibration and noise.

1 Clean the floor before installation.
   - Make sure to select solid and smooth ground.

2 Two or more people are needed for moving and unpacking the washing machine.

3 Allow for sufficient space between the walls and the washing machine for installation.

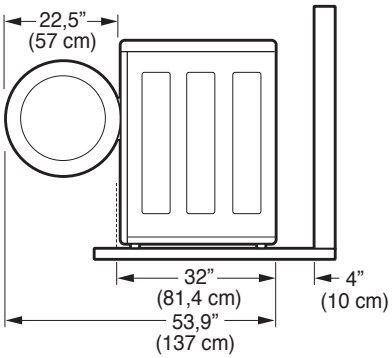
Space requirements

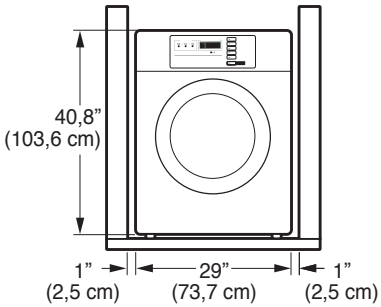
You must allow sufficient space for water lines, the drain line, and airflow.

NOTE

- Be sure to allow for wall, door, or floor moldings that may increase the required clearances.

Installing on a floor



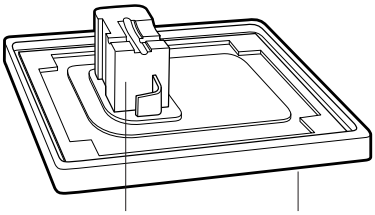


NOTE

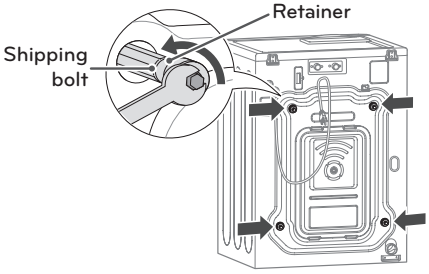
- The floor must be strong and rigid enough to support the weight of the washer, when fully loaded, without flexing or bouncing. If your floor has too much flex, you may need to reinforce it to make it more rigid.
  A floor that is adequate for a top-loading washer may not be rigid enough for a front loading washer, due to the difference in the spin speed and direction. If the floor is not solid, your washer may vibrate and you may hear and feel the vibration throughout your house.
- Before installing the washer, make sure the floor is clean, dry and free of dust, dirt, water and oils so the washer feet can not slide easily. Leveling feet that can move or slide on the floor can contribute to excess vibration and noise due to poor contact with the floor.

Unpacking and removing shipping bolts

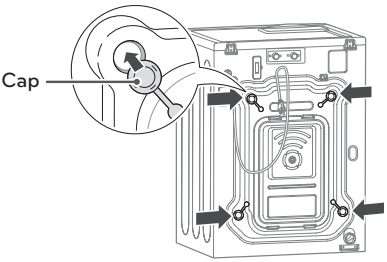
When removing the washer from the carton base, be sure to remove the foam drum support in the middle of the carton base.
If you must lay the washer down to remove the base packaging materials, always lay it carefully on its side.
DO NOT lay the washer on its front or back.



1 Remove the bottom two shipping bolts with the wrench (included) to fully loosen all four shipping bolts by turning them counterclockwise and then pulling them out.



2 Locate the four hole caps included in the accessory pack and install them in the shipping bolt holes.

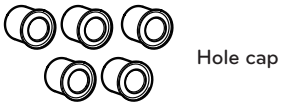


NOTE

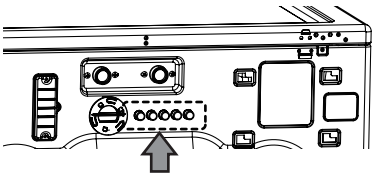
- Save the bolt assemblies for future use. To prevent damage to internal components, DO NOT transport the washer without reinstalling the shipping bolts.
- Failure to remove shipping bolts and retainers may cause severe vibration and noise, which can lead to permanent damage to the washer. The cord is secured to the back of the washer with a shipping bolt to help prevent operation with shipping bolts in place.

Installing Hole cap

1 Take the hole cap out from manual bag.



2 Insert the hole cap (5 pieces) into hose connect in back of the machine.

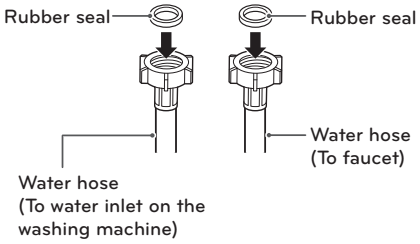


NOTE

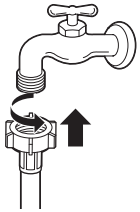
- In case of using auto dosing feature, inserting hole cap is unnecessary.

Connecting the water lines

1 Check the rubber seals on both sides of the hose.
- Insert a rubber seal into the threaded fittings on each hose to prevent leaking.



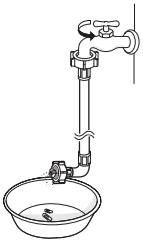
2 Connect the water supply hoses to the HOT and COLD water faucets tightly by hand and then tighten another 2/3 turn with pliers.
- Connect the blue hose to a cold water faucet and the red hose to a hot water faucet.



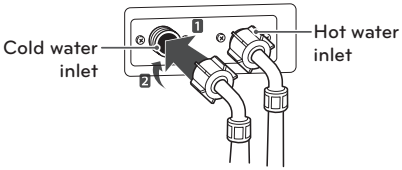
⚠ WARNING

- **Do not overtighten.** Damage to the coupling can result.

3 After connecting inlet hose to water faucets, turn on the water faucets to flush out foreign substances (dirt, sand or sawdust) in the water lines. Let water drain into a bucket, and check the water temperature.



4 Connect the hoses to the water inlets tightly by hand and then tighten another 2/3 turn with pliers.
- Connect the blue hose to the cold water inlet and the red hose to the hot water inlet.



⚠ WARNING

- **Do not overtighten the hoses.** Overtightening can damage the valves resulting in leaking and property damage.

5 Check for leaks by turning on the faucets.
- If water leaks, check steps 1 to 4 again.

NOTE

- For your safety, and for extended product life, use only authorized components. The manufacturer is not responsible for product malfunction or accidents caused by the use of separately purchased unauthorized parts.
- Use new hoses when you install the washing machine. Do not reuse old hoses. Use only the inlet hoses provided with the washer. LG does not recommend the use of aftermarket hoses.
- Periodically check the hoses for cracks, leaks and wear, and replace the hoses every 5 years.
- Do not stretch the water hoses intentionally, and make sure that they are not crushed by other objects.
- Water supply pressure must be between 1,0 - 8,0 kgf/cm² (0,1~0,8MPa). If the water supply pressure is more than 8,0 kgf/cm², a pressure reducing valve must be installed.
- To provide optimum washing performance the hot water temperature should be set at 120-135°F (48-57°C) and the cold at 60°F (15°C).

Connecting the drain line

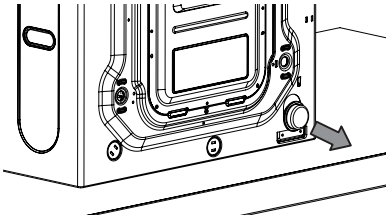
Secure the drain hose in place to prevent moving and leaking.

NOTE

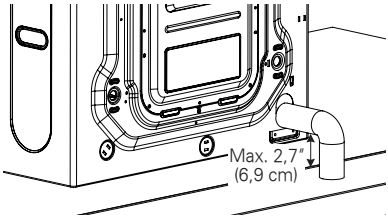
- The drain hose should be properly secured. Failure to properly secure the drain hose can result in flooding and malfunction.
- While installing drain hose, height of hose should not be over 6,9 cm (from bottom of the machine).
- The drain must be installed in accordance with any applicable local codes and regulations.
- Make sure that the water lines are not stretched, pinched, crushed, or kinked.

Installation of drain hose

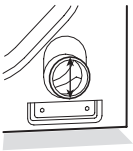
1 Remove drain cap from the machine.



2 Place the end of the drain hose in the drainage ditch of the floor drain system. The drain hose should not be placed higher than 6,9 cm from the bottom of the washer.

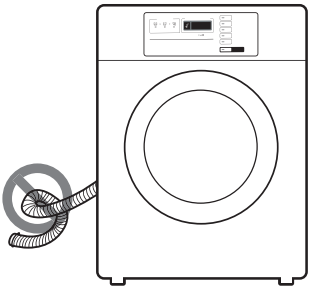


NOTE

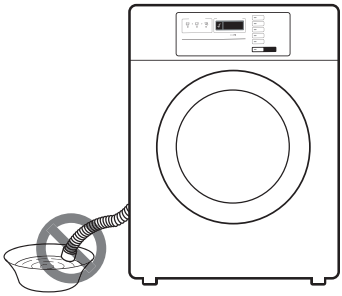


External diameter of drain valve
: 1,97″ (5 cm)

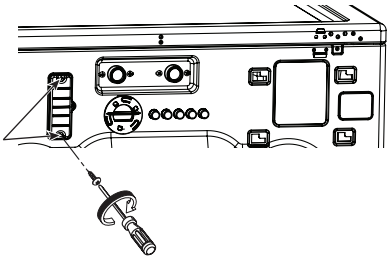
- Make sure that the hose is not twisted.



- Do not submerge the end of the hose.



Connecting the auto dosing



1 Unscrew the 2 screws on the protective cover.

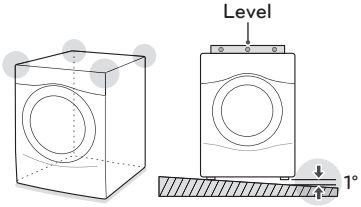
2 Remove the protective cover.

3 Connect the auto dosing harness from Accessory parts.

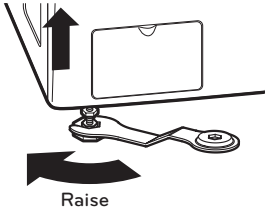
Leveling the washing machine

The washer tub of your new washing machine spins at very high speeds. To minimize vibration, noise, and unwanted movement, the floor must be perfectly level and solid.

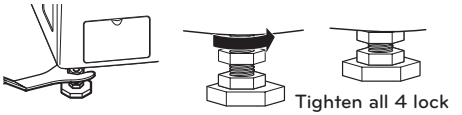
1 Check the washing machine's level.
- Check the precise level by rocking the top edges of the washing machine or placing a level on the washing machine. The slope beneath the washing machine must not exceed 1°, and all four leveling feet must rest firmly on the floor.



2 Turn the lower leveling feet clockwise to level the washing machine.
- Turning the lower leveling feet clockwise raises the washing machine.



3 Turn the locknuts counterclockwise and tighten them when the washing machine is level.



4 Check the washing machine's level again.
- Push or rock the top edges of the washing machine gently to make sure that the washing machine does not rock.
- If the washing machine rocks, repeat steps 1 to 3.

⚠ WARNING

- Using the washing machine without leveling, it may result in malfunction caused by the production of excess vibration and noise.
- **Use the leveling feet only when you level the washing machine.** If you raise the leveling feet unnecessarily, it may cause abnormal vibration of the washing machine.

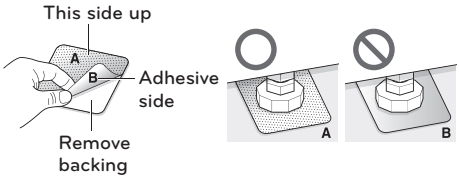
Using non-skid pads (optional)

If you install the washing machine on a slippery surface, it may move because of excessive vibration. Incorrect leveling may cause malfunction through noise and vibration. In the event of this, lay the non-skid pads under the leveling feet and adjust the level.

1 Clean the floor to attach the non-skid pads.
- Use a dry rag to remove and clean foreign objects or moisture. If moisture remains, the non-skid pads may slip.

2 Adjust the level after placing the washing machine in the installation area.

3 Place the adhesive side of the non-skid pad on the floor.
- It is most effective to install the non-skid pads under the front legs. If it is hard to place the pads under the front legs, place them under the back legs.



4 Check the washing machine's level again.
- Push or rock the top edges of the washing machine gently to make sure that the washing machine does not rock. If the washing machine rocks, level the washing machine again.

PREPARATION

Precautions for fabric care before wash cycle

Read and observe the following to prevent shrinkage or damage to clothes.

- Check all pockets to make sure that they are empty.
  -Items such as clips, matches, pens, coins, and keys can damage both your washer and your clothes.
- Close zippers, hooks, and drawstrings to prevent these items from snagging or tangling on other clothes.
- Pretreat heavily stained areas before washing.
  - Doing so will produce clean, stain-free results.
- Combine large and small items in a load. Load large items first.
- Large items should not be more than half of the total washload.
- The washer can be fully loaded, but the drum should not be tightly packed with items.
  - The door of the washer should close easily.
- Do not wash single items, except for bulky items such as blankets. Make sure to wash laundry in similar types of loads.
  - Washing a single small item may result in the tub becoming unbalanced, vibrating and making a noise.
- Do not wash waterproof clothes.
  - This may cause abnormal vibration, or may cause the load to bounce, which could damage the tub.
- Check if there are any other foreign objects in the door seal and take extra care that clothes do not get caught there.
  - Foreign objects in the door seal may stain clothes, and water may leak if clothes get caught in the door seal.
- Wash underwear or small, light items in a laundry net.
  - Small, light items may get caught in the door seal, and a brassiere hook may damage other items or the tub.
- Brush heavy soil, dust, or hair off fabrics before washing.
  - Laundry may not wash clean if there is dirt or sand on the fabrics, or they may damage due to particles rubbing against sheer fabrics.
- Wash blankets individually.
  - Washing more than one blanket together may produce unclean results due to tangling or an unbalanced load.
- Always separate fabrics according to their colors and wash them separately to prevent colors from running.
  - Fabrics may damage or become stained due to fabric dyes running, or due to foreign objects transferring from one fabric to another.

Fabric care labels

Most articles of clothing feature fabric care labels that include instructions for proper care.

Category	Label	Directions
Washing		Hand Wash
		Machine Wash, Normal Cycle
		Use Permanent Press/Wrinkle Resistant washing machine setting (which has a cool down or cold spray before the reduced spin)
		Use Gentle/Delicate washing machine setting (slow agitation and/ or reduced wash time).
		Do Not Wash
		Do Not Wring
Water Temperature	•••	Hot
	••	Warm
	•	Cold/Cool
Bleach symbols		Any Bleach (When Needed)
		Only Non-Chlorine Bleach (When Needed)
		Do Not Bleach

Sorting laundry

It is recommended that you sort laundry into similar loads that are washable in the same cycle.
Refer to the following chart for sorting clothes

Colors	Whites / Lights / Darks
Soil	Heavy / Normal / Light
Fabric	Delicates / Easy Care / Sturdy Cottons
Lint	Lint Producers / Lint Collectors

Using detergent/fabric softener

Recommended detergent

Use HE (High-Efficiency) detergent for front-loading washing machines. HE detergents dissolve more efficiently and produce fewer suds to ensure efficient washing and rinsing. Use the correct amount of detergent as indicated on the label of the detergent packaging.



Designed specially to use only HE (High-Efficiency) detergent

NOTE

- Use HE detergents, since using a regular detergent will produce excessive suds.
- HE detergents produce fewer suds, dissolve more efficiently to improve washing and rinsing performance, and help to keep the interior of your washer clean.
- Use less detergent for soft water.
- Wipe up any spills immediately, as liquids could damage the finish and the control panel of the washing machine.
- Using too much detergent can cause a build-up in the tub resulting in unsatisfactory performance and machine malfunction.
- If you use a detergent that does not dissolve easily or a detergent with high viscosity, it will leave a residue on the tub, which may not rinse properly.

About the dispenser

The automatic dispenser consists of three compartments which hold:

- Liquid chlorine bleach.
- Liquid fabric softener.
- Liquid and powdered detergent and color-safe bleach for main wash.

All laundry products can be added at once in their respective dispenser compartments. They will be dispensed at the appropriate time for the most effective cleaning.
After adding the laundry products to the dispenser, close the dispenser cover.

To add detergent, bleach, and fabric softener to the automatic dispenser:

1. Open the dispenser cover.
2. Load the laundry products into the appropriate compartments.
3. Slowly close the dispenser cover to avoid early dispensing of the laundry products.

NOTE

- It is normal for a small amount of water to remain in the dispenser compartments at the end of the cycle.

Loading the dispenser

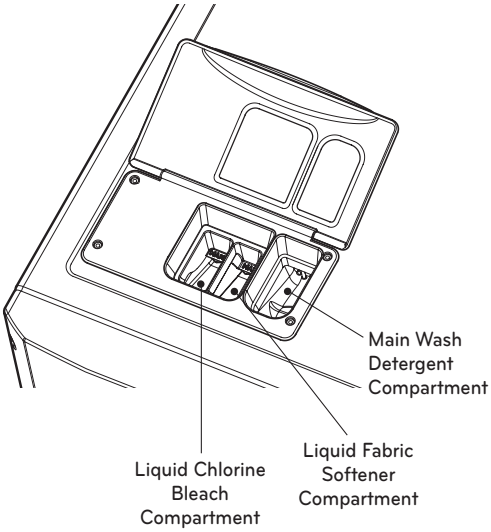
Main Wash Detergent Compartment

This compartment holds laundry detergent for the main wash cycle, which is added to the load at the beginning of the cycle. Always use HE (High-Efficiency) detergent with your washing machine.
Follow the detergent manufacturer's instructions with respect to the amount of detergent to use, and never use more than the recommended amount. Using too much detergent can result in detergent buildup in clothing and the washer. Either powdered or liquid detergent may be used.

NOTE

- Liquid or powdered color-safe bleach may be added to the main wash compartment with detergent of the same type.

Designed specially to use only HE (High-Efficiency) detergent



Liquid Bleach Compartment

This compartment holds liquid chlorine bleach, which will be dispensed automatically at the proper time during the wash cycle.

NOTE

- Do not add powdered or liquid color-safe bleach to this compartment.
- Always follow the manufacturer's recommendations when adding bleach. Do not exceed the maximum fill line. Using too much bleach can damage fabrics.
- Never pour undiluted liquid chlorine bleach directly onto the load or into the drum. Fabric damage can occur.

Fabric Softener Compartment

This compartment holds liquid fabric softener, which will be automatically dispensed during the final rinse cycle.

NOTE

- Always follow the manufacturer's recommendations when adding fabric softener. Do not exceed the maximum fill line. Using too much fabric softener may result in stained clothes.
- Dilute concentrated fabric softeners with warm water. Do not exceed the maximum fill line.
- Never pour fabric softener directly onto the load or into the drum.

OPERATING YOUR WASHER

1. Ready mode

1) Coin / Card type

– The cycle LEDs are lit at the same time, when the price of cycles are equal.

2) OPL type

– The cycle LEDs flash at the same time, and displayed 'PUSH'.

NOTE

- Price setting varies by country
- Set your country from Loc1 mode (Refer *How to enter the* tEPE)
- After EEPT, reset your country (Default country is EUK)

2. Insert card/coin (not for OPL type)

Insert a cash card that has a sufficient balance.
The card balance should be more than the programmed vend price for a selected cycle.

NOTE

- When the card balance is not enough, machine displays the card balance for 5 seconds and then displays bALb message repetitively

- Insert a sufficient amount of change that is more than the programmed vend price for the selected cycle.

NOTE

- The machine will not start until sufficient coins are inserted.

3. Select the cycle

Press the desired button and press the start button.
The display LED will show the remaining time and the selected cycle starts.

- **Select cycles designed for different types of fabric and soil levels.**

CYCLE	Wash/Rinse Temp.	Spin Speed
90°C (194°F)	Extra Hot/Cold	High
75°C (167°F)	Extra Hot/Cold	High
60°C (140°F)	Hot/Cold	High
40°C (104°F)	Warm/Cold	Middle
30°C (86°F)	Warm/Cold	Middle
Cold	Cold/Cold	Low

4. Custom PGM

Press and hold 'Cold' button for 3 seconds.
You can use courses you have created.
(Only OPL Type)

5. Change course

You cannot change the course while the machine is running.

6 . Cycle finish

The machine stops and LED display shows " End " with beeper sound.

✻ Do not work any button and stop the washer (When the washer is operating) or (when a cycle is in progress)

⚠ WARNING

- To reduce the risk of fire, electric shock, or injury to persons, **read the IMPORTANT SAFETY INSTRUCTIONS before operating this appliance.**

PROGRAMMING MODE

: You can check machine information or change setting on "Program setup", "Collect Information Data", "Diagnostic Test".

How to enter "Programming mode"

You can enter programming mode only for Idle state and pause state.

- OPL/Coin/Card Type

1) Push the 90°C (194°F) & 60°C (140°F) button at the same time.
2) Push the 75°C (167°F) button 3 times.
3) Push the Start button.
4) Display will show " t9CH ".

- Card type

1) Insert service card.
2) Display will show " t9CH "

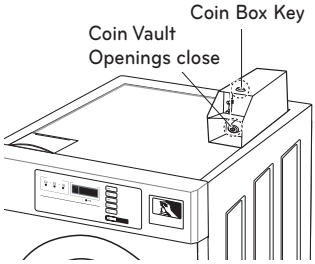
- Coin type

1) Disassemble upper coin box key.
2) Take out the coin drop from the coin box.
3) Turn on/off the toggle switch at the back of the coin box.
4) Display will show " t9CH ".

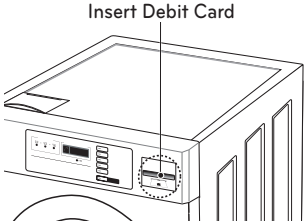
How to use button

You can change Washer vend price, cycle time and Cycle parameters, etc.

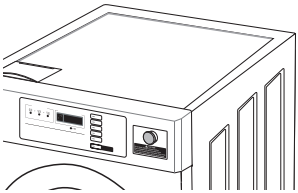
Press Button	Description
90°C (194°F)	Move to upper level or Comes back to Idle State
75°C (167°F)	Move to the mode in the same level (+)
60°C (140°F)	Move to the modes in the same level (-)
Start	Enter the selected mode



- Coin type -



- Card type -



- OPL type -

NOTE

- If you turn on the power without connecting meter case for the first time, the machine display t9CH .
- When the machine is shipped from the factory, **it is set in the coin type.** You can change Card/ Coin type by button. (For more information refer to SETUP mode.)
- The machine will display PUSH for OPL type.
- Price setting varies by country
- Set your country from Loc1 mode (Refer *How to enter the* t4PE)
- After EEPT, reset your country (Default country is EUK)

Card type

Algorithm flow chart shows how to control programming mode.

Before program set, check the structure of programming mode.

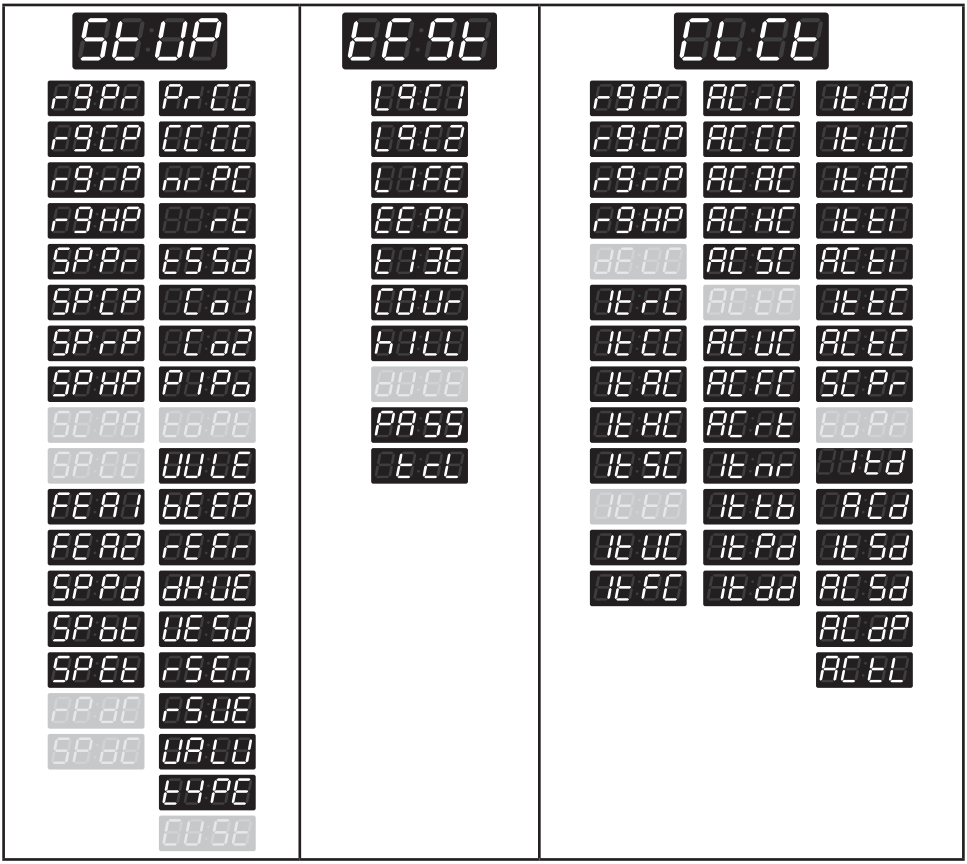
1. Turn on/off toggle switch or Insert service card, for entering set up mode (or follow OPL type instructions).
2. Press Hot button to move to the upper level.
3. Press Warm (+) or Cold (-) button if you want to be at the same level.
4. Press Start button to enter the details of Set up or Diagnostic Tests.

`StUP` is to set price value, time value, vend type, etc.

`tESt` consists of line test, reset, free cycle, and kill cycle.

`CLCt` is to collect the usage data.

Structure of Programming mode



NOTE

- Do not use `LPC2` , `LIFE` .
- It is used only in inspecting the machine.
- Price setting varies by country
- Set your country from `Loc1` mode (Refer *How to enter the* `tYPE`)
- After EEPT, reset your country (Default country is EUK)

Coin type

Algorithm flow chart shows how to control programming mode.

Before program set, check the structure of programming mode.

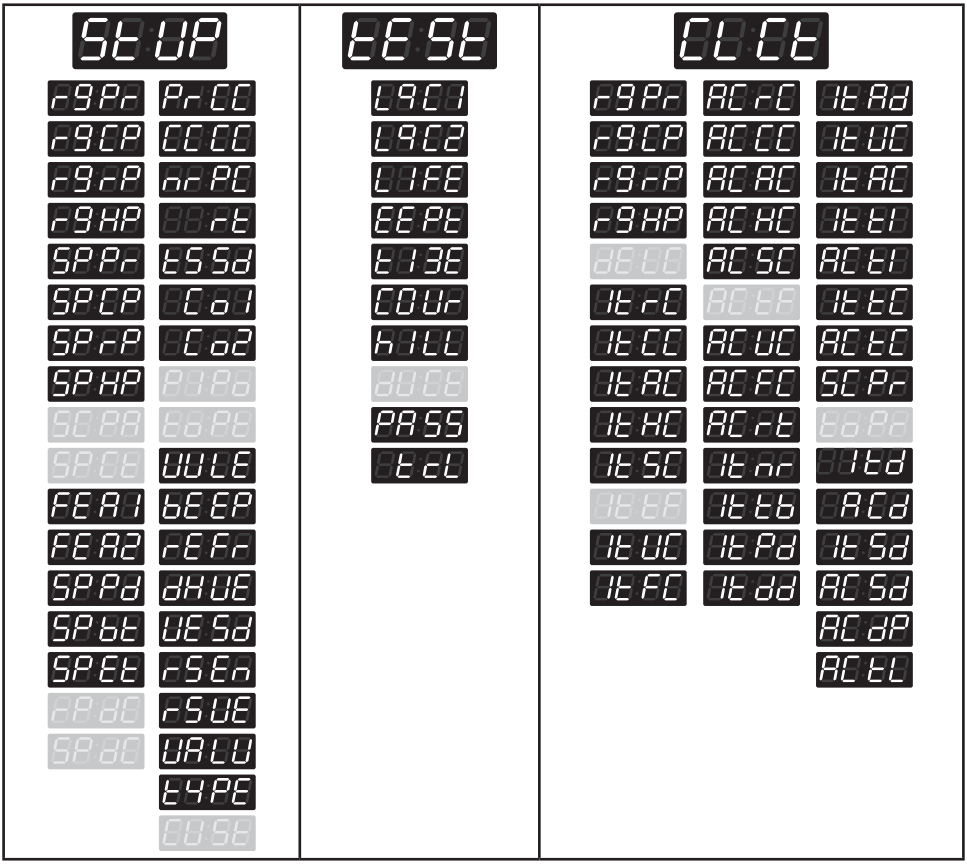
1. Turn on/off toggle switch or Insert service card, for entering set up mode (or follow OPL type instructions).
2. Press Hot button to move to the upper level.
3. Press Warm (+) or Cold (-) button if you want to be at the same level.
4. Press Start button to enter the details of Set up or Diagnostic Tests.

`SEUP` is to set price value, time value, vend type, etc.

`tESt` consists of line test, reset, free cycle, and kill cycle.

`CLCt` is to collect the usage data.

Structure of Programming mode



NOTE

- Do not use `L9C2` , `LIFE` .
- It is used only in inspecting the machine.
- Price setting varies by country
- Set your country from `Loc1` mode (Refer *How to enter the* `t4PE`)
- After EEPT, reset your country (Default country is EUK)

OPL type

Algorithm flow chart shows how to control the programming mode.

Before program set, check the structure of the programming mode.

The method of entering set up mode.

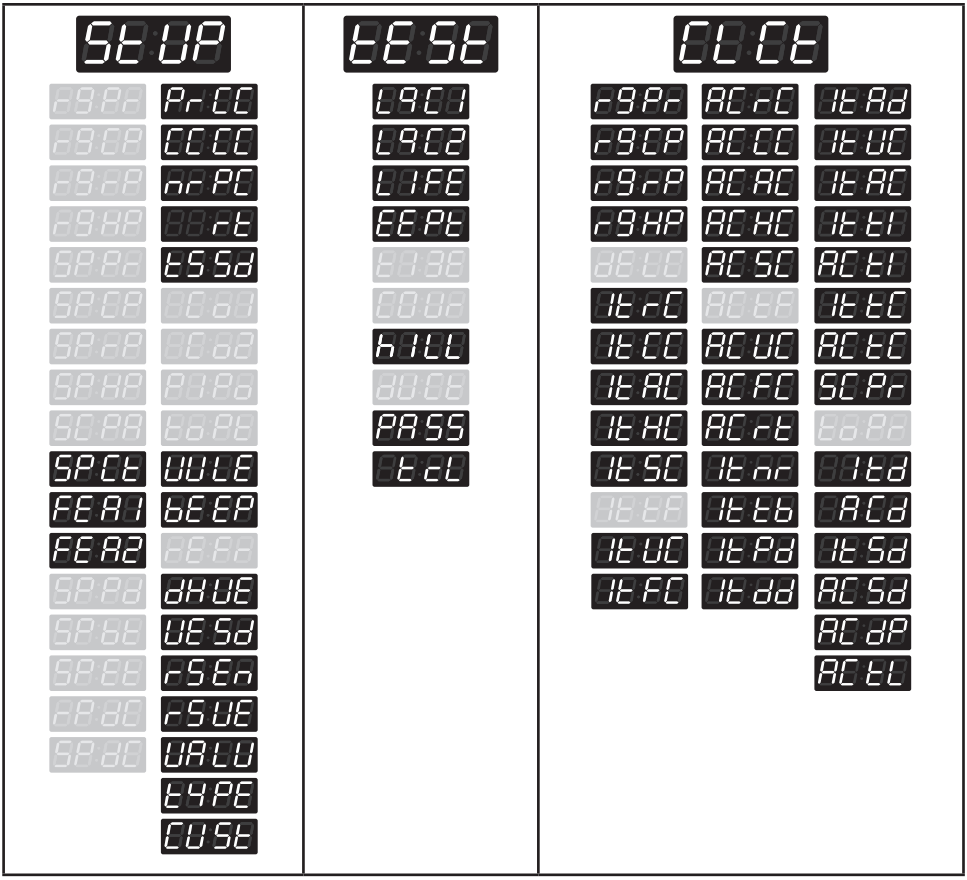
1) Push the Hot & Cold button at the same time.
2) Push the Warm button 3 times.
3) Push the Start button.
4) Display will show LANG .

SETUP is to set price value, time value, vend type, etc.

TEST consists of line test, reset, free cycle, and kill cycle.

CLCT is to collect the usage data.

Structure of Programming mode



NOTE

- Do not use LANG2 , LIFE .
- It is used only in inspecting the machine.

Setup Mode : SEtUP (display)

You can change washer vend price, cycle time, and cycle parameters, etc.

Entering set up mode
- Coin type – Turn on/off toggle switch.
- Coin/OPL type
  1) Push the 90°C (194°F) & 60°C (140°F) button at the same time.
  2) Push the 75°C (167°F) button 3 times.
  3) Push the Start button.
- Then, the washer displays LqC1 .

1. How to change regular price.

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Start** button. Display previous regular price.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to set the regular price. (The vend price can be set from 0~10,00 in 0,1 increments.)	
	Press the **Start** button. The machine sets up the regular price, then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next price. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

NOTE

- This function is not applied for OPL type.

2. How to change regular cold price.

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until rSCP appears in the display.	
	Press the **Start** button. Display previous regular cold price.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to set the regular cold price. (The vend price can be set from 0~10,00 in 0,1 increments.)	
	Press the **Start** button. The machine sets up the regular cold price, then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next price. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

NOTE

• This function is not applied for OPL type.

3. How to change regular 30˚C(86˚F)/40˚C(104˚F)/60˚C(140˚F) price

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until rSrP appears in the display.	
	Press the **Start** button. Display previous regular 30˚C(86˚F)/40˚C(104˚F)/ 60˚C(140˚F) price.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to set the regular 30˚C(86˚F)/40˚C(104˚F)/60˚C(140˚F) price. (The vend price can be set from 0~10,00 in 0,1 increments.)	
	Press the **Start** button. The machine sets up the regular 30˚C(86˚F)/40˚C(104˚F)/ 60˚C(140˚F) price, then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next price. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

NOTE

• This function is not applied for OPL type.

4. How to change regular 75˚C(167˚F)/90˚C(194˚F) price

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SPPr appears in the display.	
	Press the **Start** button. Display previous regular 75˚C(167˚F)/90˚C(194˚F) price.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to set the regular 75˚C(167˚F)/90˚C(194˚F) price. (The vend price can be set from 0~10,00 in 0,1 increments.)	
	Press the **Start** button. The machine sets up the regular 75˚C(167˚F)/90˚C(194˚F) price, then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next price. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

NOTE

• This function is not applied for OPL type.

5. How to change special price

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SPPr appears in the display.	
	the **Start** button. Display previous special price.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to set a special price. (The vend price can be set from 0~10,00 in 0,1 increments.)	
	Press the **Start** button. The machine sets up the special price, then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next price. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

NOTE

- This function is not applied for OPL type.

6. How to change special cold price

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SPCP appears in the display.	
	Press the **Start** button. Display previous special cold price.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to set the special cold price. (The vend price can be set from 0~10,00 in 0,1 increments.)	
	Press the **Start** button. The machine sets up the special cold price, then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next price. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

NOTE

- This function is not applied for OPL type.

7. How to change special 30˚C(86˚F)/40˚C(104˚F)/60˚C(140˚F) price

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SPrP appears in the display.	
	Press the **Start** button. Display previous special 30˚C(86˚F)/40˚C(104˚F)/ 60˚C(140˚F) price.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to set the special 30˚C(86˚F)/40˚C(104˚F)/60˚C(140˚F) price. (The vend price can be set from 0~10,00 in 0,1 increments.)	
	Press the **Start** button. The machine sets up the special 30˚C(86˚F)/40˚C(104˚F)/ 60˚C(140˚F) price, then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next price. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

NOTE

• This function is not applied for OPL type.

8. How to change special 75˚C(167˚F)/90˚C(194˚F) price

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SPHP appears in the display.	
	Press the **Start** button. Display previous special 75˚C(167˚F)/90˚C(194˚F) price.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to set the special 75˚C(167˚F)/90˚C(194˚F) price. (The vend price can be set from 0~10,00 in 0,1 increments.)	
	Press the **Start** button. The machine sets up the special 75˚C(167˚F)/90˚C(194˚F) price, then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next price. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

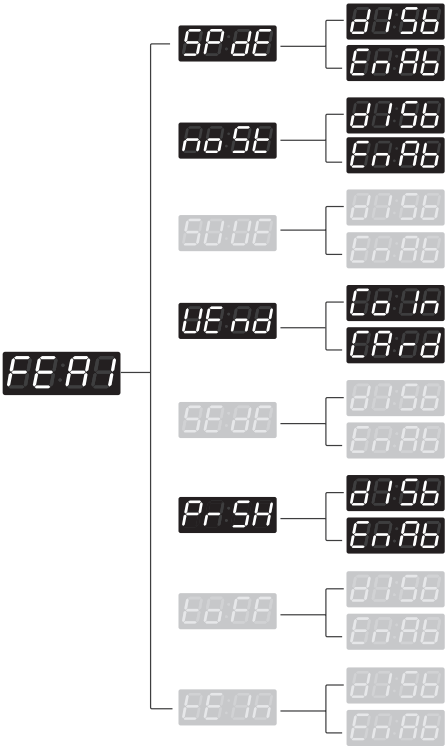
NOTE

• This function is not applied for OPL type.

9. How to enter the FEA1

Entering set up mode. You will see LqC1	Button	Display
	Press the **90°C (194°F)** button.	tEST
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEtUP appears in the display.	SEtUP
	Press the **Start** button.	r9Pr
	Press the **75°C (167°F)** or the **60°C (140°F)** button until FEA1 appears in the display.	FEA1

Structure of FEA1



Content of FEA1

- SPdE • Special price days apply or not
- noSt • Non-stop wash apply or not
- SUUE • Add super wash apply or not
- UEnd • Select vend type
- SEdE • Sense dry apply or not (only for dryer)
- PrSH • Pre-wash apply or not
- toFF • Top off apply or not (only for dryer)
- tEIn • Twin spray apply or not
- dISb • Disable
- EnAb • Enable

NOTE

- In case of OPL type, (Pre-wash) is only available in FEA1.

9-1. Special price day setup

Entering set up mode. You will see LqC1 	Button	Display
	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until  appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until  appears in the display.	
	Press the **Start** button. Display  .	
	Press the **Start** button. Press **75°C (167°F)** or **60°C (140°F)** button and then select  or  .  Disable  Enable	One or the other will display.  
	Press the **Start** button. The machine sets up the special price day, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button three times.	

NOTE

- This function is not applied for OPL type.

9-2. Non-stop rinse

Entering set up mode. You will see LqC1 	Button	Display
	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until FEA1 appears in the display.	
	Press the **Start** button. Display SPdE .	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until noSt appears in the display.	
	Press the **Start** button. Press **75°C (167°F)** or **60°C (140°F)** button and then select dISb or EnAb .  Disable  Enable	One or the other will display.  
	Press the **Start** button. The machine sets up the non-stop rinse, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button three times.	

9-3. Vend type setup - coin type setup

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until  appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until  appears in the display.	
	Press the **Start** button. Display  .	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until  appears in the display.	
	Press the **Start** button. Press **75°C (167°F)** or **60°C (140°F)** button and then select  or .  Coin type  Card type	One or the other will display.  
	Press the **Start** button. The machine sets up the vend type, then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	Press the Start button, then machine sets up the vend type. And it is returned to the standby state.	

NOTE

- After setting the Value to VEND, vend type is changed directly without power on/off (Sense dry) is not available in washer.

9-4. Pre-wash setup

Entering set up mode. You will see LqC1 	Button	Display
	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until FEA1 appears in the display.	
	Press the **Start** button. Display SPdE .	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until Pr5H appears in the display.	
	Press the **Start** button. Press **75°C (167°F)** or **60°C (140°F)** button and then select d15b or EnAb .  Disable  Enable	One or the other will display.  
	Press the **Start** button. The machine sets up the pre-wash. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button three times.	

NOTE

- toFF (top off) is not available in washer (Only for dryer)

9-5. Twin spray setup

Entering set up mode. You will see LqC1 	Button	Display
	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until  appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until  appears in the display.	
	Press the **Start** button. Display  .	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until  appears in the display.	
	Press the **Start** button. Press **75°C (167°F)** or **60°C (140°F)** button and then select  or .  Disable  Enable	One or the other will display.  
	Press the **Start** button. The machine sets up the twin spray, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button three times.	

10. How to enter the FEA2

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until FEA2 appears in the display.	

Structure of FEA2



Content of FEA2



- Pause function apply or not

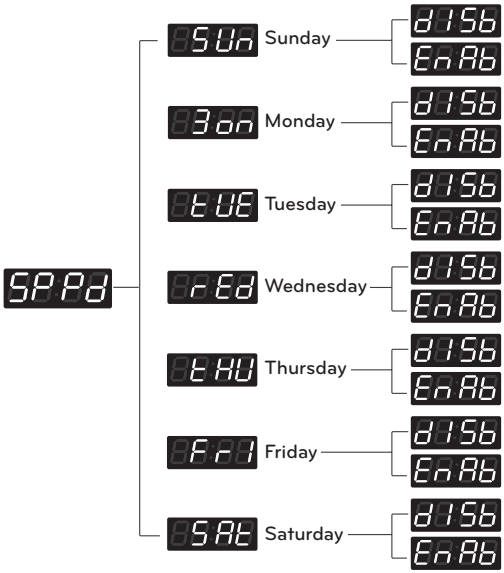
10-1. Pause function setup

Entering set up mode. You will see LqC1 	Button	Display
	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until  appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until  appears in the display.	
	Press the **Start** button. Display .	
	Press the **Start** button. Press **75°C (167°F)** or **60°C (140°F)** button and then select  or  .  Disable  Enable	One or the other will display.  
	Press the **Start** button. The machine sets up the pause function, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button three times.	

11. How to enter the special price day

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SPPd appears in the display.	
	Press the **Start** button. Display SUn .	

Structure of SPPd



NOTE

- This function is not applied for OPL type.

11-1. How to change to Sunday

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until appears in the display.	
	Press the **Start** button. Display  .	
	Press the **Start** button. Press **75°C (167°F)** or **60°C (140°F)** button and then select  or .  Disable  Enable	One or the other will display.  
	Press the **Start** button. The machine sets up the special price day (Sunday), then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button three times.	

NOTE

- As explained on the previous page, similarly, other days can be set up by the same method.
- This function is not applied for OPL type.

12. Special price beginning time setup

Entering set up mode. You will see LqC1 	Button	Display
	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SPbE appears in the display.	
	Press the **Start** button. Display previous special price beginning time.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to select time between **0** and **23**.	
	Press the **Start** button. The machine sets up the special price beginning time, then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

NOTE

- This function is not applied for OPL type.

13. Special price ending time setup

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)**or the **60°C (140°F)** button until SPEE appears in the display.	
	Press the **Start** button. Display previous Special Price ending time.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to select time between **1** and **24**.	
	Press the **Start** button. The machine sets up the special price ending time, then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

NOTE

- rPdC (regular priced dryer cycle time) is not available in washer.
- SPdC (special priced dryer cycle time) is not available in washer.

NOTE

- When setting up a special price period, the ending time must be later than the beginning time.
- This function is not applied for OPL type.

14. Prewash time setup

Prewash time setup can be used to set the time for prewash.

	Button	Display
Enter setup mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)**button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)**button until PrCC appears in the display.	
	Press the **Start** button. Display previous Prewash time.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to select prewash time between **4** and **8**.	
	Press the **Start** button. The machine sets up the prewash time, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

15. Washing time set up

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until CCCC appears in the display.	
	Press the **Start** button. Display C051. Press **75°C (167°F)** or **60°C (140°F)** button to select course. C051 : 90°C (194°F) course C052 : 75°C (167°F) course C053 : 60°C (140°F) course C054 : 30°C (86°F), 40°C (104°F) course C055 : Cold course	
	Press the **Start** button. Display previous wash time.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to select wash time. (Maximum 30 minutes, Minimum 0 minutes.)	
	Press the **Start** button. The machine sets up the wash time, then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button three times.	

NOTE

- If the temperature will be reached before the time set, the washing cycle will be stopped and the time set will be changed the setting of after washing cycle.

16. Rinsing times per cycle

Entering set up mode. You will see LqC1 	Button	Display
	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until nrPC appears in the display.	
	Press the **Start** button. Display C051. Press **75°C (167°F)** or **60°C (140°F)** button to select course. C051 : 90°C (194°F) course C052 : 75°C (167°F) course C053 : 60°C (140°F) course C054 : 30°C (86°F), 40°C (104°F) course C055 : Cold course	
	Press the **Start** button. Display previous rinsing times per cycle.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to select rinsing times per cycle. (Max 5, Min 1)	
	Press the **Start** button. The machine sets up the rinsing times per cycle, then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button three times.	

17. Rinsing time setup

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until  appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until  appears in the display.	
	Press the **Start** button. Display . Press **75°C (167°F)** or **60°C (140°F)** button to select course.  : 90°C (194°F) course  : 75°C (167°F) course  : 60°C (140°F) course  : 30°C (86°F), 40°C (104°F) course  : Cold course	
	Press the **Start** button. Display previous rinsing time.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to select rinse cycle. (Max 16min, Min 9min)	
	Press the **Start** button. The machine sets up the rinsing time, then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button three times.	

18. Top spin speed – final spin time depends on RPM

Entering set up mode. You will see LqC1 	Button	Display
	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until  appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until  appears in the display.	
	Press the **Start** button. Display . Press **75°C (167°F)** or **60°C (140°F)** button to select course.  : 90°C (194°F) course  : 75°C (167°F) course  : 60°C (140°F) course  : 30°C (86°F), 40°C (104°F) course  : Cold course	
	Press the **Start** button. Display previous top spin speed.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to select top spin speed. (0~3)	
	Press the **Start** button. The machine sets up the top spin speed, then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button three times.	

NOTE

- **Top spin speed**

0 : 980 rpm	3 : 700 rpm	6 : 400 rpm
1 : 900 rpm	4 : 600 rpm	
2 : 800 rpm	5 : 500 rpm	

19. Value of coin 1

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until  appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until  appears in the display.	
	Press the **Start** button. Display previous coin 1 value.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to select value of coin 1 (The value can be set 0~1000 in 10 increments.)	
	Press the **Start** button. The machine sets up the value of coin 1, then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

NOTE

- This function is not applied for OPL type.

20. Value of coin 2

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until C02 appears in the display.	
	Press the **Start** button. Display previous coin 2 value.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to select value of coin 2. (The value can be set 0~1000 in 10 increments.)	
	Press the **Start** button. The machine sets up the value of coin 2, then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

NOTE

- Coin 2 is available for kiosk system
- This function is not applied for OPL type.

21. Penny increment pricing offset (Use only for Card type)

This represents the cent increment price offset used when debit card is setup.

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until PIPo appears in the display.	
	Press the **Start** button. Display previous penny increment pricing offset.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to select value of PIPo. (0~4)	
	Press the **Start** button. The machine sets up the value of PIPo, then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

NOTE

- Penny Increment Pricing Offset is available only in card type.
  (It hasn't affected on the coin type's price setting.)
  toPt (top off time) is not available in washer.

22. How to change the water level

You can change the water level by selecting options.
1. LO indicate water level 23,5 [KHz] (cold course : 23,5 KHz)
2. 31dd indicate water lever 23,3 [KHz] (cold course : 23,3 KHz)
3. H1 indicate water lever 23,0 [KHz] (cold course : 23,0 KHz)

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until UULE appears in the display.	
	Press the **Start** button. Display C051. Press **75°C (167°F)** or **60°C (140°F)** button to select course. C051 : 90°C (194°F) course C052 : 75°C (167°F) course C053 : 60°C (140°F) course C054 : 30°C (86°F), 40°C (104°F) course C055 : Cold course	
	Press the **Start** button. Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button and then select LO, 31dd, H1 LO 23,5 KHz (cold course : 23,5 KHz) 31dd 23,3 KHz (default) (cold course : 23,3 KHz) H1 23,0 KHz (cold course : 23,0 KHz)	One or the other will display.   
	Press the **Start** button. The machine sets up the value of water level, then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

NOTE

• This function is only controlled in machine. (It is not applied in setup card.)

23. Beep volume

Entering set up mode. You will see LqC1 	Button	Display
	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until bEEP appears in the display.	
	Press the **Start** button. Display previous value.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to select High or Low or Off.	
	Press the **Start** button. The machine sets up the beep volume, then advances to the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

24. Time to keep the coin (Use only for coin type)

Entering set up mode. You will see LqC1 	Button	Display
	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until rEFr appears in the display.	
	Press the **Start** button. Display previous value.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to select button to select time between **0 ~ 180**.	
	Press the **Start** button. The machine sets up the time to keep the coin, then advancesto the next process automatically. If this function is restricted originally in program, You can move to the next step by pushing the 60°C (140°F) button.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

25. How to setting drop count

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until dAtE appears in the display.	
	Press the **Start** button. Display default drop count.	
	Press **75°C (167°F)** or **60°C (140°F)** button to select time between **25** and **45**. (Unit of drop count : 5)	
	Press the **Start** button. The machine sets up the drop count, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

NOTE

- **Drop counts 25~40:** After dropping the selected amount of counts, UE will not occur. The cycle will end immediately or after spinning at a low RPM.
- **Drop counts 45:** After dropping the selected amount of counts, UE will occur. The cycle will end after shut down time. ***Refer to How to set shut down time after UE.***

26. How to set shut down time after UE

Unbalance Error (UE) occurs when washer cannot balance the load within the selected drop counts. UESd can be used to set the time for maintaining the UE status before shutting down the cycle.

	Button	Display
Enter setup mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until StUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until UESd appears in the display.	
	Press the **Start** button. Display default shut down time.	
	Press **75°C (167°F)** or the **60°C (140°F)** button to select time between 0~10. (0 : Permanent standby, 1~10 : Shut down after selected time) ※ To restart after Permanent standby, redistribute load and press Start button.	
	Press the **Start** button. The machine sets up the shut down time, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

27. How to set rinse spin enable

Entering set up mode. You will see LqC1 	Button	Display
	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until rSEn appears in the display.	
	Press the **Start** button. Display step of rinse.(rs1~rs5)	
	Press the **75°C (167°F)** or the **60°C (140°F)** button to select rinse spin EnAb or diSb .	
	Press the **Start** button. The machine enables/disables the rinse spin and display next step of rinse.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button three times.	

28. How to set drop count for rinse spin

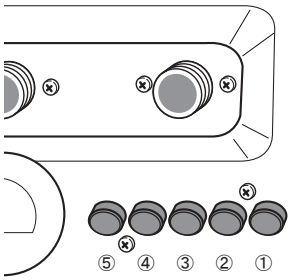
rSUE can be used to set the number of drop counts for each rinse spin.

	Button	Display
Enter setup mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until rSUE appears in the display.	
	Press the **Start** button. Display default drop count.	
	Press **75°C (167°F)** or the **60°C (140°F)** button to select drop count between 5~15 (Unit of drop count : 1)	
	Press the **Start** button. The machine sets up the drop count, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

29. How to set auto dosing

Enter setup mode. You will see LqC1 	Button	Display
	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until UALU appears in the display.	
	Press the **Start** button. Display auto dosing channel (CH1~5).	
	Press the **Start** button. Display previous dosing time (sec).	
	Press **75°C (167°F)** or the **60°C (140°F)**button to select time between **0** and **20**(Except CH3) CH3 can select time between 0 and 10.	
	Press the **Start** button. Display next auto dosing channel.(until CH5) The machine sets up the dosing time.	
	Press the **90°C (194°F)** button, then advances to the next process automatically.	

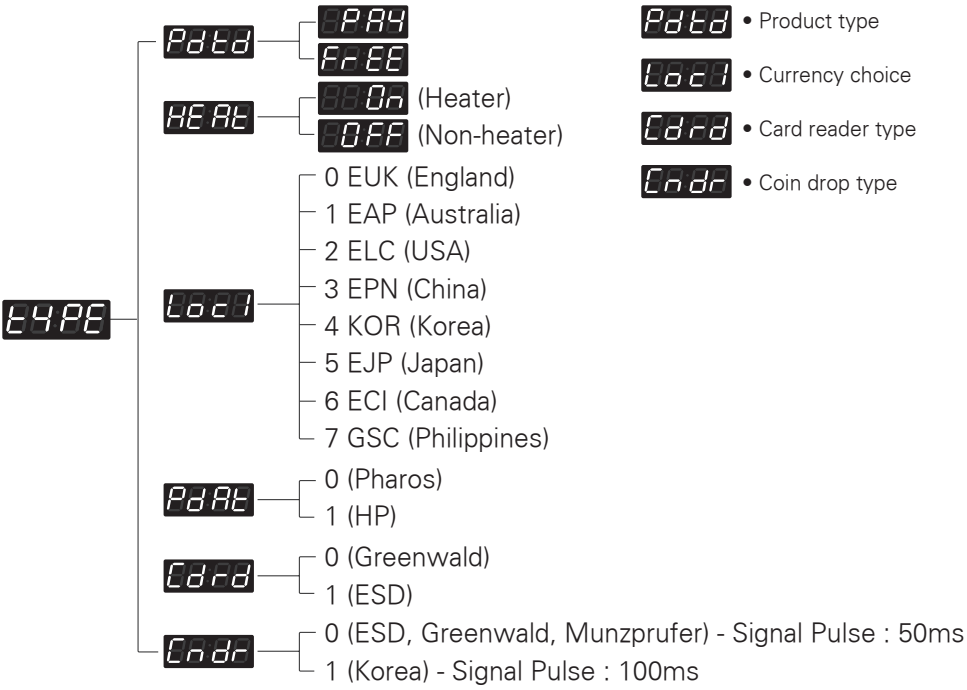
CH	Detergent	Input period
①	ETC (Emulsifier)	Main wash phase
②	Main wash	Main wash phase
③	Bleach	Main wash (Remaining washing time : 5 Minutes)
④	Softener	Final rinse phase
⑤	Pre-wash	Pre-wash phase



30. How to enter the t4PE

	Button	Display
Entering set up mode. You will see LqC1 	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until t4PE appears in the display.	

Structure of t4PE



Content of t4PE

- PdtD • Product type
- LocA • Currency choice
- CdrD • Card reader type
- CndR • Coin drop type

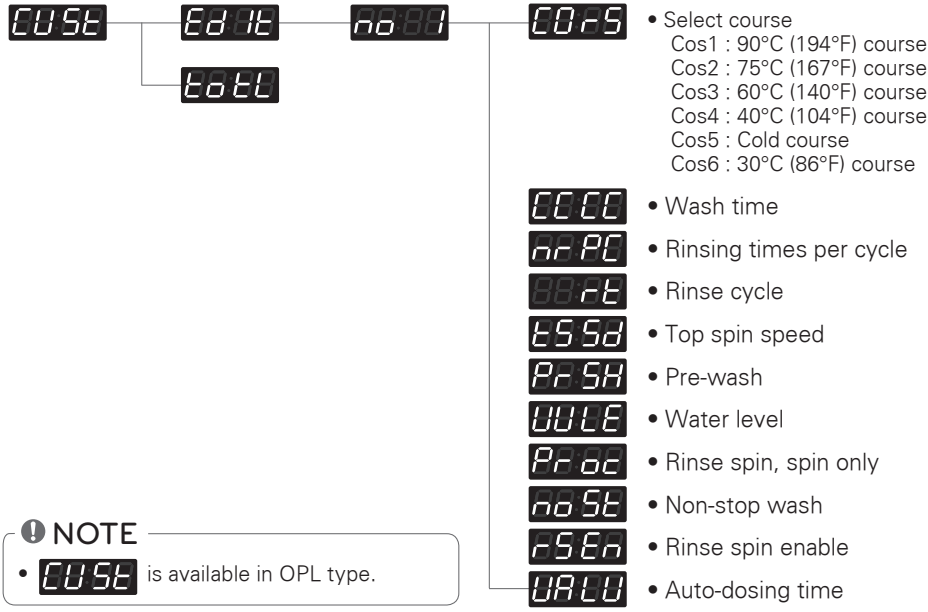
NOTE

- Pay means card or coin type.
- Default type is coin type. If you want to change coin type to card type, you need to setup vend type in fea1. (refer to FEA1 function)
- Free means OPL type.
- Price setting varies by country
- Set your country from LocA mode (Refer *How to enter the* t4PE)
- After EEPT, reset your country (Default country is EUK)

31. How to set custom program

Entering set up mode. You will see LqC1 	Button	Display
	Press the **90°C (194°F)** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until CUSt appears in the display.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until totL appears in the display. Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button to select Number of Course (1~20). Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button until Edit appears in the display. Press the **Start** button.	
	Press the **75°C (167°F)** or the **60°C (140°F)** button to select Number of Course (NO 1~20). Press the **Start** button. Setup course you want, refer to below.	

Structure of CUSt



NOTE

- CUSt is available in OPL type.

PROGRAMMING MODE - TEST MODE

Diagnostic tests: tEST (display)

This program has been added for testing the washer and detecting errors.

Entering the test mode

Data Name	Button	Display	Description
Entering the test mode	1. Entering programming mode	L9C1	Insert service card (card type), turn on/off toggle switch (Coin type).
	2. Hot	tEST	Press the Hot button. Then tEST appears in the display.
	3. Start	L9C1	Enter the diagnostic test mode.

1. L9C1

According to pressing Start button, test move to the next step.

Number of times the Start button is pressed	Check Point	Display
None		L9C1
1 time	Turns on all lamps and locks the door	Displays 88:88, Displays 1U:XX, 1t:XX and 10:XX alternately (Version)
2 times	Tumble Clockwise.	rpm (42~50)
3 times	Low Speed Spin	rpm (550~650)
4 times	High Speed Spin	rpm (900~1000)
5 times	Inlet valve for cold water turns on. (Close the gravity drain valve.)	Water level frequency (255~)
6 times	Inlet valve for hot water turns on.	Water level frequency (255~)
7 times	Inlet valve for atomizing turns on.	Water level frequency (255~)
8 times	Inlet valve for bleach turns on.	Water level frequency (255~)
9 times	Tumble counter clockwise. (Open the gravity drain valve.)	rpm (42~50)
10 times	Turn on the heater	Displayed XX
11 times	Turns on all lamps.	Displays 88:88, Displays 1U:XX, 1t:XX and 10:XX alternately
12 times	Button Checks.	
13 times	High Speed Spin	rpm (900~1000)
14 times	AF:88 PDA Signal Check	AF:88 this function is not applied in this machine
15 times		L9C1

NOTE

- Make sure the drum is empty when a diagnostic test is performed. Do not use L9C2 .

2. Factory reset - EEPt

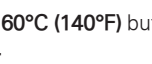
After factory reset, machine information is changed to the default value.

	Button	Display
Entering set up mode. You will see LqC1 	Press the **75°C (167°F)** or the **60°C (140°F)** button until EEPt appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** button until 23 appears in the display.	
	Press the **Start** button, then factory reset is done. PUSH is displayed. (Card & Coin type : LqC1 displayed.)	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

NOTE

- Washing time 31 minutes
- Rinse cycle twice
- Top spin speed 980 rpm
- Price setting varies by country
- Set your country from LOC1 mode (Refer *How to enter the* tYPE)
- After EEPT, reset your country (Default country is EUK)

3. Time setup

Entering set up mode. You will see LqC1 	Button	Display
	Press the **75°C (167°F)** or the **60°C (140°F)** button until  appears in the display.	
	Press the **Start** button. The display will cycle through 2000 –> 0101 –> Sat –> 0000 repeatedly.	
	Press the **Start** button.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to select year between 2000 and 2099.	
	Press the **Start** button. The machine sets up the year, then advances to the next process automatically.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to select a month between 01 and 12.	
	Press the **Start** button. The machine sets up the month, then advances to the next process automatically.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to select the day between 01 and 31.	
	Press the **Start** button. The machine sets up the day, then advances to the next process automatically.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to select the hour between 00 and 23.	
	Press the **Start** button. The machine sets up the hour, then advances to the next process automatically.	
	Press **75°C (167°F)(+)** or **60°C (140°F)(-)** button to select minute between 00 and 59.	
	Press the **Start** button. The machine sets up the minute.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

NOTE

• When the machine is switched off, Time setup is initialized.

4. Courtesy cycle

A courtesy cycle is like a complimentary cycle given to the customer when the washer goes out of order after the customer has made the payment to wash clothes.

	Button	Display
Entering set up mode. You will see LqC1 	Press the **75°C (167°F)** or the **60°C (140°F)** button until  appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** button until  appears in the display.	
	Press the **Start** button.	
	Select the cycle you desire.	
	Press the **Start** button. Display will show the remaining time and Start.	

NOTE

- This function is not applied for OPL type.

5. Cycle Kill

Coin / OPL type

Entering set up mode. You will see LqC1 	Button	Display
	Press the **75°C (167°F)** or the **60°C (140°F)** button until  appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** button until  appears in the display.	
	Press the **Start** button. Start drain.	
	Display  with beeping.	
	Go back to ready mode.	

Card type

Insert cycle kill card.	Description	Display
	Display spin time.	Spin Time
	Begin to drain.	Spin Time
	Remove cycle kill card.	
	Go back to ready mode.	

NOTE

- You can kill the cycle in the middle of cycle by using KILL function.

6. Password - PASS

How to change the password.

	Button	Display
Entering set up mode. You will see LqC1 	Press the **75°C (167°F)** or the **60°C (140°F)** button until PASS appears in the display.	
	Press the **Start** button.	
	Press the **75°C (167°F)** button until 03 appears in the display.	
	Set up the number you want By pressing **75°C (167°F)** or the **60°C (140°F)** button. For example, If you want to change password number to No5 Press the 75°C (167°F) button until "05" appears in the display.	
	Press the **Start** button, then Password change is done. tcL is displayed.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

NOTE

- Default password is 3.
  If you want to change the password, you must know the present password.

7. Tub clean - tCL

To clean up the tub, please run the TUB CLEAN cycle.

	Button	Display
Entering set up mode. You will see LqC1 	Press the **75°C (167°F)** or the **60°C (140°F)** button until tCL appears in the display.	
	Press **Start** button. Display show the remaining time and Tub clean Start.	
	When the TUB CLEAN cycle is finished, End is displayed with beeping.	
	Go back to ready mode.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the 90°C (194°F) button twice.	

NOTE

- Never load laundry while using TUB CLEAN. The laundry may be damaged or become contaminated. Make sure to clean the washer tub when it is empty.
- Leave the door open after finishing the laundry to keep the tub clean.
- TUB CLEAN should be repeated monthly.
- Safely and conveniently secure the door slightly ajar with a magnetic door plunger. This will promote air circulation and allow the interior of the machine to dry.

PROGRAMMING MODE - COLLECT MODE

Collect information data : CLCt (display)

The washer collects the usage data so that the owner can check various information like number of various cycles used, how many times coins used, etc.

Entering the collect mode

Data Name	Button	Display	Description
Entering the collect mode	1. Entering the programming mode.	LACA	Insert service car d(card type), turn on/off toggle switch (Coin type).
	2. 90°C (194°F)	tESt	Press the **90°C (194°F)** button until tESt appears in the display.
	3. 75°C (167°F)(+), 60°C (140°F)(-)	CLCt	Press the **75°C (167°F)(+), 60°C (140°F)(-)** button until CLCt appears in the display.
	4. Start	rSPn	Enter the Collect information data.
	5. 75°C (167°F)(+), 60°C (140°F)(-)	xxxx	Move to each data list that you want to check by pressing with **75°C (167°F) (+)** or **60°C (140°F) (-)** button.
	6. Start	xxxx	Display the value of selected data list
	7. 90°C (194°F)	CLCt	Move to upper level or Comes back to Idle State

❖ Check the collect information reference to the follow lists. The Lists are displayed by abbreviations.

Collect Mode Data lists

No.	Abbreviation	Meaning	Description
1	rgPr	Regular Price	0,00 ~ 10,00
2	rgCP	Regular Cold Price	0,00 ~ 10,00
3	rgrP	Regular 40˚C(104˚F)/60˚C(140˚F) Price	0,00 ~ 10,00
4	rgHP	Regular 75˚C(167˚F)/90˚C(194˚F) Price	0,00 ~ 10,00
5	dELC	Dryer Moisture Sense	0: disable 1: enable
6	ItrC	Interval Regular Cycles	Number of Regular cycles (0~65535)
7	ItCC	Interval Regular Cold Cycles	Number of Regular Cold cycles (0~65535)
8	ItAC	Interval Regular 30˚C(86˚F)/40˚C(104˚F)/60˚C(140˚F) Cycles	Number of Regular 30˚C(86˚F)/40˚C(104˚F)/60˚C(140˚F) cycles (0~65535)
9	ItHC	Interval Regular 75˚C(167˚F)/90˚C(194˚F) Cycles	Number of Regular 75˚C(167˚F)/90˚C(194˚F) cycles (0~65535)
10	ItSC	Interval Super Cycles	Number of Super cycles (0~65535) (Non-Heater Washer Only)
11	IttF	Interval Topoff Cycles	Number of Topoff cycles (0~65535) (Dryer Only)
12	ItUC	Interval Service Cycles	Number of Service cycles (0~65535)
13	ItFC	Interval Token Cycles	Number of Token cycles (0~65535)
14	ACrC	Accumulated Regular Cycles	Number of Regular cycles (0~65535)
15	ACCC	Accumulated Regular Cold Cycles	Number of Regular Cold cycles (0~65535)
16	ACAC	Accumulated Regular 30˚C(86˚F)/40˚C(104˚F)/ 60˚C(140˚F) Cycles	Number of Regular 30˚C(86˚F)/40˚C(104˚F)/60˚C(140˚F) cycles (0~65535)
17	ACHC	Accumulated Regular 75˚C(167˚F)/90˚C(194˚F) Cycles	Number of Regular 75˚C(167˚F)/90˚C(194˚F) cycles (0~65535)
18	ACSC	Accumulated Super Cycles	Number of Super cycles (0~65535) (Non-Heater Washer Only)
19	ACtF	Accumulated Topoff Cycles	Number of Topoff cycles (0~65535) (Dryer Only)
20	ACUC	Accumulated Service Cycles	Number of Service cycles (0~65535)
21	ACFC	Accumulated Token Cycles	Number of Token cycles (0~65535)
22	ACrt	Accumulated Run Time	Number of Running minutes (0~65535)
23	Itnr	Interval No Runs	Money inserted, but no run
24	Ittb	Interval Trouble Cycles	No money, but ran
25	ItPd	Interval Power Downs	Number of power down
26	Itdd	Interval Unauthorized Service Door Openings	Number of Unauthorized Service Door Openings (0~ 255)
27	ItAd	Interval Authorized Service Door Openings	Number of Authorized Service Door Openings (0~255)
28	ItUC	Interval Unauthorized Coin Vault Openings	Number of Authorized Service Door Openings (0~255)
29	ItAC	Interval Authorized Coin Vault Openings	Number of Authorized Coin Vault Openings (0~255)
30	Ittl	Interval Total Income	Amount of money cycle(0 ~ 65535)
31	ACtl	Accumulated Total Income	Amount of money cycle(0 ~ 65535)
32	IttC	Interval Total Cycles	Number of Total cycle(0 ~ 65535)
33	ACtC	Accumulated Total Cycles	Number of Total cycle(0 ~ 65535)
34	SCPr	Super Cycle Price	0,00 ~ 10,00 (Non-Heater Washer Only)
35	toPr	Top Off Price	0,00 ~ 10,00 (Dryer Only)
36	Itd	Interval Money	Amount of money for regular cycle(0 ~ 65535)
37	Acd	Accumulated Money	Amount of money for regular cycle(0 ~ 65535)
38	ItSd	Interval Superwash Money	Amount of money for superwash cycle(0 ~ 65535)
39	ACSd	Accumulated Superwash Money	Amount of money for superwash cycle(0 ~ 65535)
40	ACdP	Accumulated number of WaveForce operation in cycle	Number of WaveForce operation in cycle(0 ~ 65535)
41	ACtL	Accumulated number of Tub clean operation in cycle	Number of Tub clean operation in cycle(0~65535)

※ Interval Cycles (Interval means Since last data collecting)
※ Accumulated Cycles (Accumulated means Total cycles in washer/dryer's life time not include service cycles or trouble cycles)
※ These items (No. 30~33) are not applied this program
※ Price setting varies by country
※ Set your country from Loc1 mode (Refer *How to enter the* tEStE)
※ After EEPT, reset your country (Default country is EUK)

MAINTENANCE

Care after wash

After the cycle is finished, wipe the door and the inside of the door seal to remove any moisture. Leave the door open to dry the washer tub interior. Wipe the body of the washing machine with a dry cloth to remove any moisture

⚠ WARNING

- **Unplug the washer before cleaning to avoid the risk of electric shock.** Failure to follow this warning can cause serious injury, fire, electrical shock, death.
- **Never use harsh chemicals, abrasive cleaners, or solvents to clean the washer.** They will damage the finish.
- **Do not use volatile substances (benzene, paint thinner, alcohol, acetone, etc.) or detergents with strong chemical components when cleaning the washing machine.** Doing so may cause discoloration or damage to the machine, or it may cause a fire.

Storing the Washer

If the washer will not be used for an extended period of time and is in an area that could be exposed to freezing temperatures:

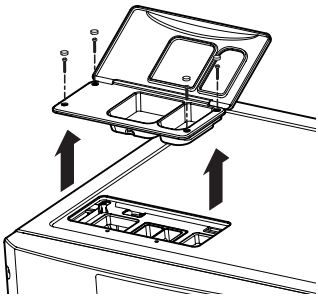
1. Turn off water supply tap.
2. Disconnect hoses from water supply and drain water from hoses.
3. Plug the power cord into a properly grounded electrical outlet.
4. Add 3,8 L of nontoxic recreational vehicle (RV) antifreeze to the empty wash drum. Close door.
5. Select the spin cycle and let washer spin for 1 minute to drain out all the water.
6. Unplug the power cord, dry the drum interior with a soft cloth, and close the door.
7. Remove the inserts from the dispenser. Drain any water in compartments and dry the compartments.
8. Store the washer in an upright position.
9. To remove the antifreeze from the washer after storage, run washer through a complete cycle using detergent. **Do not add laundry!**

NOTE

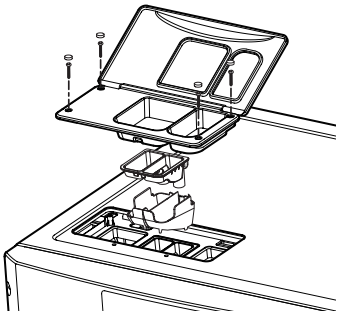
- Not all of the RV antifreeze will be expelled.
- Weekly cleaning of the detergent dispenser will ensure problem free operation.

Cleaning the Dispenser

1. The dispenser should be cleaned periodically to remove buildup from detergent and other laundry products.



2. Remove the inserts from the drawer, and clean them with warm water and a soft cloth or brush to remove any residue or buildup. Wipe out the inside of the drawer opening with a damp cloth. Reassemble the drawer and reinstall in the drawer opening.

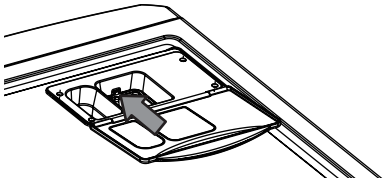


NOTE

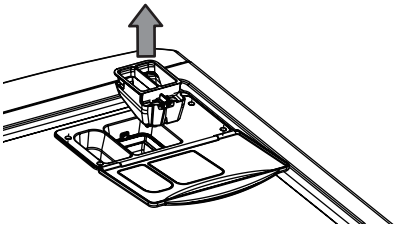
- Do not use anything other than water to clean the drawer, inserts, and drawer opening.

Cleaning the detergent box

1 In order to clean detergent box only, detach it from the machine it by pressing arrow as shown in below image.



2 Detach detergent box and clean with warm water and brush.



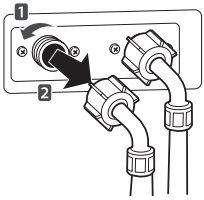
Cleaning the water inlet filters

Clean the water inlet filters periodically to prevent clogging. Take extra care to clean the water inlet filters for areas using hard water. Water may not be supplied if there are foreign objects, such as rust, sand, or stones in the water inlet filters.

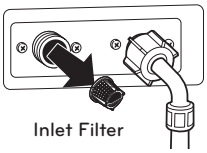
1 Pull out the plug to turn off the washing machine.

2 Turn off the faucets connected with the water inlets.

3 Remove the water inlets.



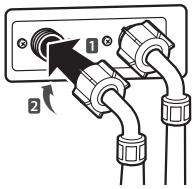
4 Pull out the water inlet filter.



5 Remove foreign objects from the water filter inlet.
- Soak the water filter inlets in white vinegar or a lime scale remover or use a toothbrush to remove foreign objects and rinse thoroughly.

6 Press the water filter inlets back into place.

7 Reattach the water lines to the washing machine.



⚠ WARNING

- **Unplug the power cord and turn off the faucets before cleaning.** Failure to do so may cause electric shock.
- **Do not use the washing machine without the inlet filters.** If you use the washing machine without the inlet filters it will cause leaks and malfunction.
- If you use the washing machine in an area with hard water, the inlet filter may clog due to lime buildup.

NOTE

- *IE* message will blink on the display when the water pressure in the detergent drawer is weak or an inlet filter is clogged with dirt. Clean the inlet filter.

Clean the door seal

Clean the door seal once a month to prevent build-up of dirt in the door seal.

1 Wear rubber gloves and protective goggles.
2 Dilute 3/4 cup (177 ml) of liquid chlorine bleach in 1 gallon (3,8 L) of water.
3 Soak a sponge or a soft cloth in this diluted solution and wipe down all around the door seal.
4 Wipe any moisture with a dry towel or cloth after cleaning.
5 Leave the door open to allow the door seal to dry completely.

⚠ CAUTION

- Cleaning the door seal with an undiluted solution may cause malfunction of the door seal and washing machine parts.

Clean the drum, TUB CLEAN

Using the washing machine in a humid space for a long period of time may lead to a buildup of black mold and germs in the air inside the washer tub and affect your health. If you clean the washer tub regularly on a monthly basis using TUB CLEAN it will keep the washer tub clean for hygienic use.

1 Add tub cleaner or lime scale remover into the detergent dispenser drawer.
   - Do not exceed the maximum detergent limit line when you add it. Detergent may remain in the washer tub after cleaning.
   - When you use liquid chlorine bleach, load it into the liquid chlorine bleach compartment. When you use a powdered cleaner, add it into the main wash detergent compartment.
   - When you use cleaning tablets, place them directly into the washer tub. (Do not add cleaning tablets to the drawer.)
2 Do operate tub clean. (please refer to 71 page about tub)

NOTE

- Never load laundry while using TUB CLEAN. The laundry may damage or become contaminated. Make sure to clean the washer tub when it is empty.
- Leave the door open after finishing the laundry to keep the tub clean.
- TUB CLEAN should be repeated monthly.
- Safely and conveniently secure the door slightly ajar with a magnetic door plunger. This will promote air circulation and allow the interior of the machine to dry.

NOTE

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ERROR MODE

Meaning of Error Codes that LED displays during occurrence of problem.

Problem	Possible Cause	Solution
	• Water supply is not adequate in area. • Water supply taps are not completely open. • Water inlet hose is bent. • The filter of the inlet hose clogged.	Check another tap in the house. Fully open tap. Straighten hose. Check the filter of the inlet hose.
	• Drain hose is bent or clogged. • The drain filter is clogged.	Clean and straighten the drain hose. Clean the drain filter.
	• Load is too small. • Load is out of balance. • The appliance has an imbalance detection and correction system. If individual heavy articles are loaded (bath mat, bath robe, etc.) and the imbalance is too great, after several attempts to restart the spin cycle the machine will stop and the error code will be displayed.	Add 1~2 similar items to help balance the load. Rearrange load to allow proper spinning.
	• Is the door opened or not completely closed?	Close the door completely. * If it will not open, call for service.
	• Door lock is broken.	Check the door switch
	• The water overfills due to a faulty water valve.	Close the water tap. Unplug the power plug. Call for service.
	• The water level sensor malfunction.	
	• Overload in motor.	Restart the cycle after 30 minutes. If  is not released, call for service.
	• Disconnection of card reader cable.	Check the card reader wire.
	• Too much detergent is used.	This is not an error. It indicates a suds removal routine. It will clear and restart the cycle when the suds are gone.
	• Emergency stop button is pressed	Release the emergency button.
	• Thermistor is opened or shorted.	Thermistor should be replaced.
	• Malfunction in Heater system.	Check the heater and wire.

POWER FAIL RECOVERY

In case of power failure, the machine stops running but the time display remains on, showing the time just before power failure.

DEFAULT WASHER SETTINGS

Default Settings	Default
Wash Time (Minutes)	31 Minutes
Rinse Time (Minutes)	18 Minutes
Spin Time (Minutes)	10 Minutes
Rinsing times	Twice
Coin #1 Value (*)	10
Coin #2 Value (kiosk) (*)	10
Vend Price (*)	2,00
Top Spin speed	980 rpm

NOTE

- * This function is not applied for OPL type.
- Default course is 60˚C(140˚F)

SPECIFICATIONS

Model	
Name	Front-loading Washing Machine
Power supply	220-240V~, 50Hz
Size	73,7 cm (W) X 81,4 cm (D) X 103,6 cm (H), 137 cm (D with door open) 29”(W) X 32”(D) X 40,8”(H), 53”(D with door open)
Weight	101,2 kg (223,1 lbs)
Wash capacity	15 kg
Spin speed	980 rpm max.
Permissible water pressure	1,0 – 8,0 kgf/cm² (0,1 - 0,8 MPa)

NOTE

- Specifications subject to change by manufacturer.
- Price setting varies by country
- Set your country from `Loc1` mode (Refer *How to enter the* `tYPE`)
- After EEPT, reset your country (Default country is EUK)

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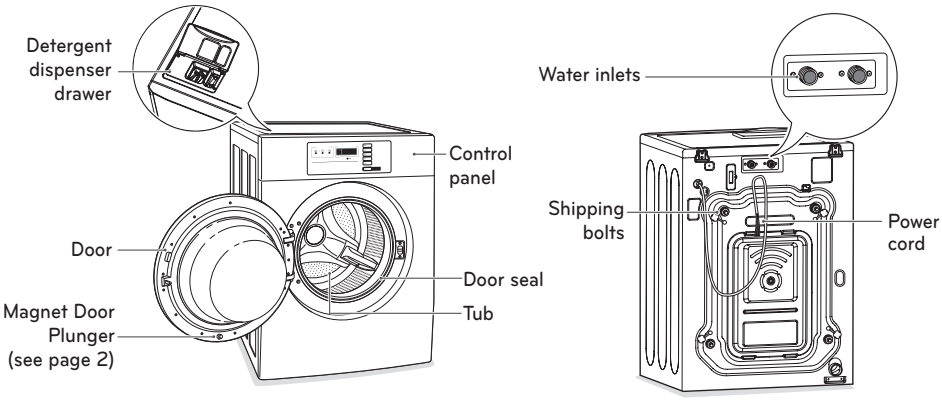
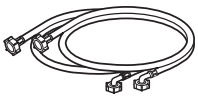
PARTS AND ACCESSORIES

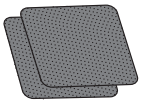
Parts



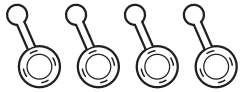
Accessories



Hot and Cold Water Hoses



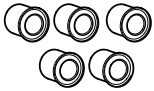
Non-skid pads



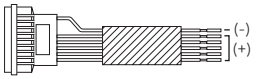
Caps (4)
(for covering shipping bolt holes)



Wrench
(for removing shipping bolts and adjusting leveling feet)



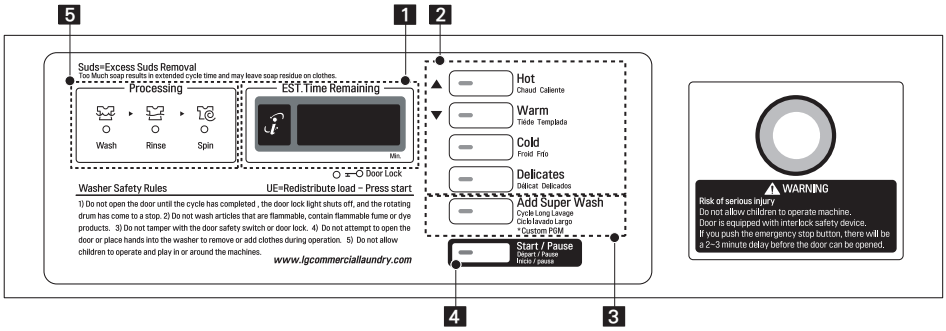
Hole cap (5)
(for securing auto dosing hole)



Harness
(for connecting auto dosing)

CONTROL PANEL FEATURES

OPL type

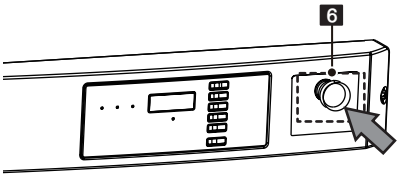


Optional function button

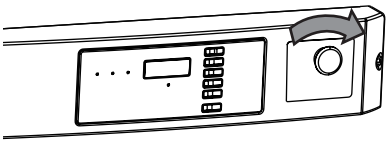
1. Display LED
2. Cycle button
3. Optional function button
4. Start/Pause button
5. Status LED
6. Emergency stop button

How to Emergency stop button

1 Press emergency stop button in emergency situation.



2 After emergency situation is resolved turn the button follow by arrow sign (right).

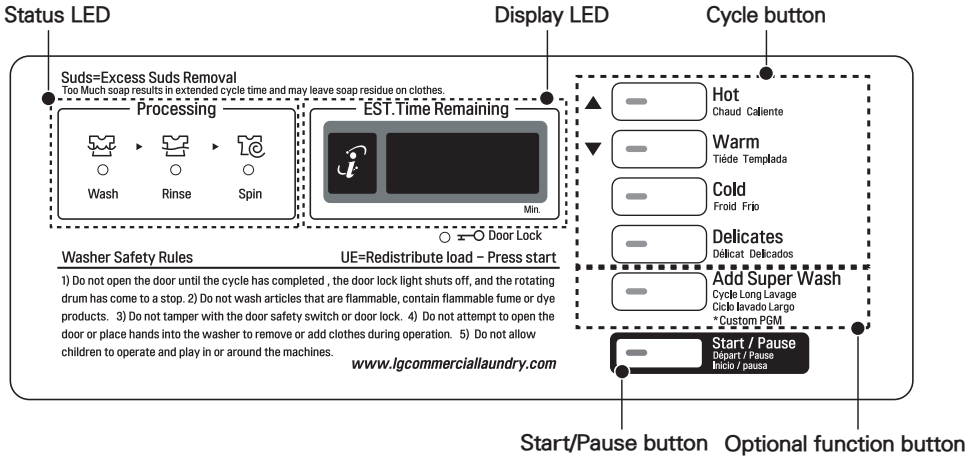


NOTE

- To utilize as Non-heater model, order Display Sheet for Titan-C (W) Non-heater model (FH0C7FD3.ASSQMLS) and change the sheet.

NOTE

- In case of pressing button by mistake, machine can run normally by resetting emergency stop button after 2, 3 seconds.
- After resetting emergency stop button, LED light will blink in start button and by pressing start button again, machine will run normally again.



Display LED

The display shows the vend price and remaining time and programming options. Error codes are also displayed here.



Cycle button

Press the CYCLE button to select the desired cycle based on laundry types and conditions.

Hot

Use for hot washing for heavy fabrics, such as white clothes, table linens, and heavily soiled clothes.

Warm

Use for warm washing for heavy fabrics, such as jeans, corduroys, or work clothes.

Cold

Use for cold washing for sturdy fabrics, such as casual work.

Delicates

Use for cold washing for synthetic fabrics, such as washable knit fabric and no-iron finishes.

Optional function button

Add Super Wash: Wash time or rinse cycle can be added when additional coin is inserted or a valid cash card is entered.

Custom PGM: Customized cycle program can be used. Only available in OPL type.

Start/Pause button

The Start/Pause LED flashes when the full vend price has been satisfied and the cycle has been chosen.

Status LED

LED	Description
Wash	LED flashes whenever the washing cycle is in operation.
Rinse	LED flashes whenever the Rinsing cycle is in operation.
Spin	LED flashes whenever the Spining cycle is in operation.
Door Lock	LED flashes whenever the door lock is activated.

INSTALLATION INSTRUCTIONS

Checking and choosing the proper location

Install the washing machine on a solid floor that is strong and rigid enough to support the weight of the washing machine, even when fully loaded, without flexing or bouncing. If the floor has too much flex, you may need to reinforce it to make it more rigid. If the floor is not solid, it may cause severe vibration and noise.

1 Clean the floor before installation.
- Make sure to select solid and smooth ground.

2 Two or more people are needed for moving and unpacking the washing machine.

3 Allow for sufficient space between the walls and the washing machine for installation.

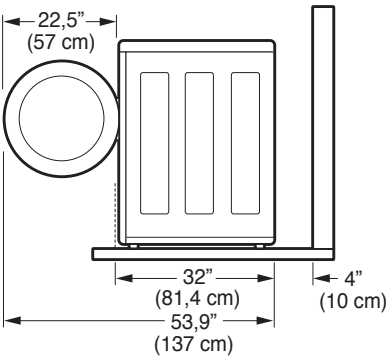
Space requirements

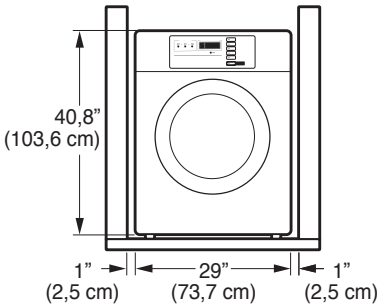
You must allow sufficient space for water lines, the drain line, and airflow.

NOTE

- Be sure to allow for wall, door, or floor moldings that may increase the required clearances.

Installing on a floor



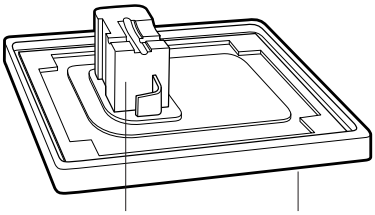


NOTE

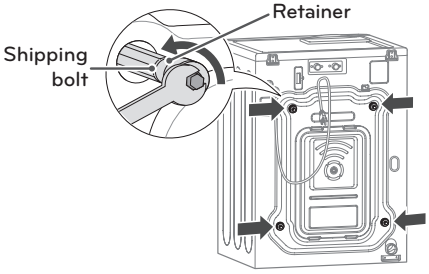
- The floor must be strong and rigid enough to support the weight of the washer, when fully loaded, without flexing or bouncing. If your floor has too much flex, you may need to reinforce it to make it more rigid. A floor that is adequate for a top-loading washer may not be rigid enough for a front loading washer, due to the difference in the spin speed and direction. If the floor is not solid, your washer may vibrate and you may hear and feel the vibration throughout your house.
- Before installing the washer, make sure the floor is clean, dry and free of dust, dirt, water and oils so the washer feet can not slide easily. Leveling feet that can move or slide on the floor can contribute to excess vibration and noise due to poor contact with the floor.

Unpacking and removing shipping bolts

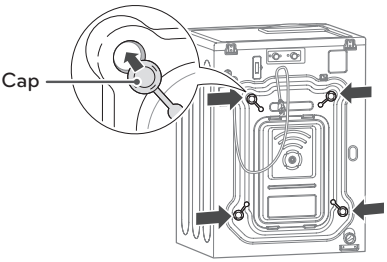
When removing the washer from the carton base, be sure to remove the foam drum support in the middle of the carton base.
If you must lay the washer down to remove the base packaging materials, always lay it carefully on its side.
DO NOT lay the washer on its front or back.



1 Remove the bottom two shipping bolts with the wrench (included) to fully loosen all four shipping bolts by turning them counterclockwise and then pulling them out.



2 Locate the four hole caps included in the accessory pack and install them in the shipping bolt holes.

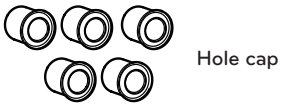


NOTE

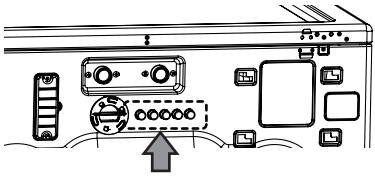
- Save the bolt assemblies for future use. To prevent damage to internal components, DO NOT transport the washer without reinstalling the shipping bolts.
- Failure to remove shipping bolts and retainers may cause severe vibration and noise, which can lead to permanent damage to the washer. The cord is secured to the back of the washer with a shipping bolt to help prevent operation with shipping bolts in place.

Installing Hole cap

1 Take the hole cap out from manual bag.



2 Insert the hole cap (5 pieces) into hose connect in back of the machine.

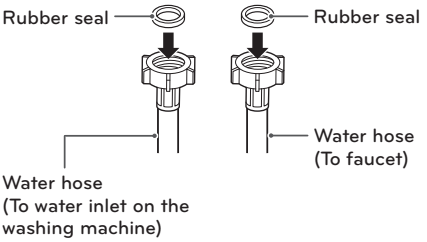


NOTE

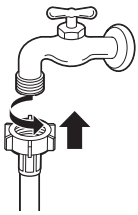
- In case of using auto dosing feature, inserting hole cap is unnecessary.

Connecting the water lines

1 Check the rubber seals on both sides of the hose.
- Insert a rubber seal into the threaded fittings on each hose to prevent leaking.



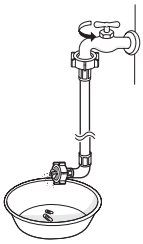
2 Connect the water supply hoses to the HOT and COLD water faucets tightly by hand and then tighten another 2/3 turn with pliers.
- Connect the blue hose to a cold water faucet and the red hose to a hot water faucet.



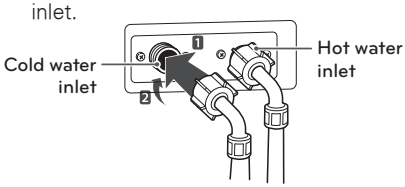
⚠ WARNING

- **Do not overtighten.** Damage to the coupling can result.

3 After connecting inlet hose to water faucets, turn on the water faucets to flush out foreign substances (dirt, sand or sawdust) in the water lines. Let water drain into a bucket, and check the water temperature.



4 Connect the hoses to the water inlets tightly by hand and then tighten another 2/3 turn with pliers.
- Connect the blue hose to the cold water inlet and the red hose to the hot water inlet.



⚠ WARNING

- **Do not overtighten the hoses.** Overtightening can damage the valves resulting in leaking and property damage.

5 Check for leaks by turning on the faucets.
- If water leaks, check steps 1 to 4 again.

NOTE

- For your safety, and for extended product life, use only authorized components. The manufacturer is not responsible for product malfunction or accidents caused by the use of separately purchased unauthorized parts.
- Use new hoses when you install the washing machine. Do not reuse old hoses. Use only the inlet hoses provided with the washer. LG does not recommend the use of aftermarket hoses.
- Periodically check the hoses for cracks, leaks and wear, and replace the hoses every 5 years.
- Do not stretch the water hoses intentionally, and make sure that they are not crushed by other objects.
- Water supply pressure must be between 1,0 kgf/cm² and 8,0 kgf/cm² (0,1~0,8 MPa). If the water supply pressure is more than 8,0 kgf/cm², a pressure reducing valve must be installed.
- To provide optimum washing performance the hot water temperature should be set at 120-135°F (48-57°C) and the cold at 60°F (15°C).

Connecting the drain line

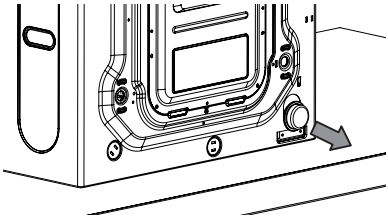
Secure the drain hose in place to prevent moving and leaking.

NOTE

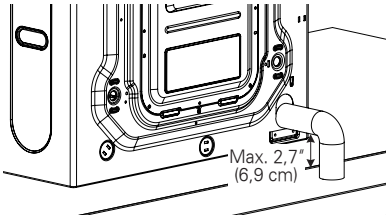
- The drain hose should be properly secured. Failure to properly secure the drain hose can result in flooding and malfunction.
- While installing drain hose, height of hose should not be over 6,9 cm (from bottom of the machine).
- The drain must be installed in accordance with any applicable local codes and regulations.
- Make sure that the water lines are not stretched, pinched, crushed, or kinked.

Installation of drain hose

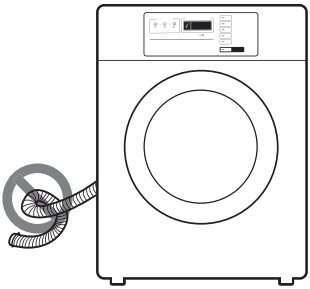
1 Remove drain cap from the machine.



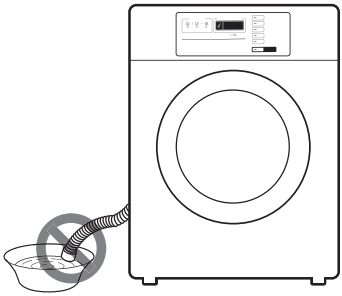
2 Place the end of the drain hose in the drainage ditch of the floor drain system. The drain hose should not be placed higher than 6,9 cm from the bottom of the washer.



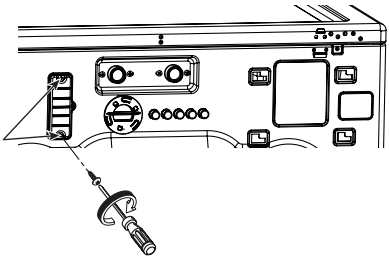
- Make sure that the hose is not twisted.



- Do not submerge the end of the hose.



Connecting the auto dosing



1 Unscrew the 2 screws on the protective cover.

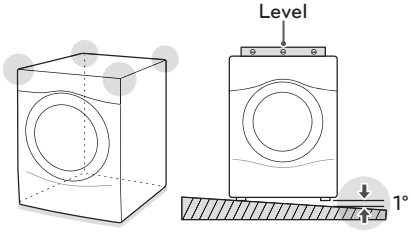
2 Remove the protective cover.

3 Connect the auto dosing harness from Accessory parts.

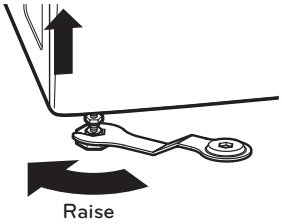
Leveling the washing machine

The washer tub of your new washing machine spins at very high speeds. To minimize vibration, noise, and unwanted movement, the floor must be perfectly level and solid.

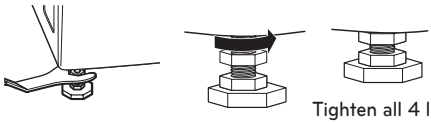
1 Check the washing machine's level.
- Check the precise level by rocking the top edges of the washing machine or placing a level on the washing machine. The slope beneath the washing machine must not exceed 1°, and all four leveling feet must rest firmly on the floor.



2 Turn the lower leveling feet clockwise to level the washing machine.
- Turning the lower leveling feet clockwise raises the washing machine.



3 Turn the locknuts counterclockwise and tighten them when the washing machine is level.



Tighten all 4 lock nuts securely using the wrench.

4 Check the washing machine's level again.
- Push or rock the top edges of the washing machine gently to make sure that the washing machine does not rock.
- If the washing machine rocks, repeat steps 1 to 3.

⚠ WARNING

- Using the washing machine without leveling, it may result in malfunction caused by the production of excess vibration and noise.
- **Use the leveling feet only when you level the washing machine.** If you raise the leveling feet unnecessarily, it may cause abnormal vibration of the washing machine.

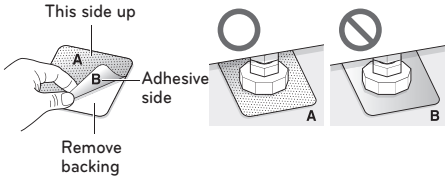
Using non-skid pads (optional)

If you install the washing machine on a slippery surface, it may move because of excessive vibration. Incorrect leveling may cause malfunction through noise and vibration. In the event of this, lay the non-skid pads under the leveling feet and adjust the level.

1 Clean the floor to attach the non-skid pads.
- Use a dry rag to remove and clean foreign objects or moisture. If moisture remains, the non-skid pads may slip.

2 Adjust the level after placing the washing machine in the installation area.

3 Place the adhesive side of the non-skid pad on the floor.
- It is most effective to install the non-skid pads under the front legs. If it is hard to place the pads under the front legs, place them under the back legs.



4 Check the washing machine's level again.
- Push or rock the top edges of the washing machine gently to make sure that the washing machine does not rock. If the washing machine rocks, level the washing machine again.

PREPARATION

Precautions for fabric care before wash cycle

Read and observe the following to prevent shrinkage or damage to clothes.

- Check all pockets to make sure that they are empty.
  - Items such as clips, matches, pens, coins, and keys can damage both your washer and your clothes.
- Close zippers, hooks, and drawstrings to prevent these items from snagging or tangling on other clothes.
- Pretreat heavily stained areas before washing.
  - Doing so will produce clean, stain-free results.
- Combine large and small items in a load. Load large items first.
- Large items should not be more than half of the total washload.
- The washer can be fully loaded, but the drum should not be tightly packed with items.
  -The door of the washer should close easily.
- Do not wash single items, except for bulky items such as blankets. Make sure to wash laundry in similar types of loads.
  - Washing a single small item may result in the tub becoming unbalanced, vibrating, making a noise.
- Do not wash waterproof clothes.
  - This may cause abnormal vibration or may cause the load to bounce, which could damage the tub.
- Check if there are any other foreign objects in the door seal and take extra care that clothes do not get caught there.
  - Foreign objects in the door seal may stain clothes, and water may leak if clothes get caught in the door seal.
- Wash underwear or small, light items in a laundry net.
  - Small, light items may get caught in the door seal, and a brassiere hook may damage other items or the tub.
- Brush heavy soil, dust, or hair off fabrics before washing.
  - Laundry may not wash clean if there is dirt or sand on the fabrics, or they may be damaged due to particles rubbing against sheer fabrics.
- Wash blankets individually.
  - Washing more than one blanket together may produce unclean results due to tangling or an unbalanced load.
- Always separate fabrics according to their colors and wash them separately to prevent colors from running.
  - Fabrics may damage or become stained due to fabric dyes running or due to foreign objects transferring from one fabric to another.

Fabric care labels

Most articles of clothing feature fabric care labels that include instructions for proper care.

Category	Label	Directions
Washing		Hand Wash
		Machine Wash, Normal Cycle
		Use Permanent Press/Wrinkle Resistant washing machine setting (which has a cool down or cold spray before the reduced spin)
		Use Gentle/Delicate washing machine setting (slow agitation and/ or reduced wash time).
		Do Not Wash
		Do Not Wring
Water Temperature	•••	Hot
	••	Warm
	•	Cold/Cool
Bleach symbols		Any Bleach (When Needed)
		Only Non-Chlorine Bleach (When Needed)
		Do Not Bleach

Sorting laundry

It is recommended that you sort laundry into similar loads that are washable in the same cycle.
Refer to the following chart for sorting clothes

Colors	Whites / Lights / Darks
Soil	Heavy / Normal / Light
Fabric	Delicates / Easy Care / Sturdy Cottons
Lint	Lint Producers / Lint Collectors

Using detergent/fabric softener

Recommended detergent

Use HE (High-Efficiency) detergent for front-loading washing machines. HE detergents dissolve more efficiently and produce fewer suds to ensure efficient washing and rinsing. Use the correct amount of detergent as indicated on the label of the detergent packaging.



Designed specially to use only HE (High-Efficiency) detergent

NOTE

- Use HE detergents, since using a regular detergent will produce excessive suds.
- HE detergents produce fewer suds, dissolve more efficiently to improve washing and rinsing performance, and help to keep the interior of your washer clean.
- Use less detergent for soft water.
- Wipe up any spills immediately, as liquids could damage the finish and the control panel of the washing machine.
- Using too much detergent can cause a build-up in the tub resulting in unsatisfactory performance and machine malfunction.
- If you use a detergent that does not dissolve easily or a detergent with high viscosity, it will leave a residue on the tub, which may not rinse properly.

About the dispenser

The automatic dispenser consists of three compartments which hold:

- Liquid chlorine bleach.
- Liquid fabric softener.
- Liquid and powdered detergent and color-safe bleach for main wash.

All laundry products can be added at once in their respective dispenser compartments. They will be dispensed at the appropriate time for the most effective cleaning.
After adding the laundry products to the dispenser, close the dispenser cover.

To add detergent, bleach, and fabric softener to the automatic dispenser:

1. Open the dispenser cover.
2. Load the laundry products into the appropriate compartments.
3. Slowly close the dispenser cover to avoid early dispensing of the laundry products.

NOTE

- It is normal for a small amount of water to remain in the dispenser compartments at the end of the cycle.

Loading the dispenser

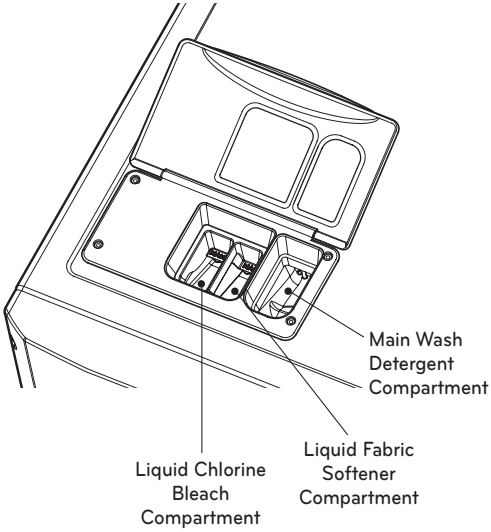
Main Wash Detergent Compartment

This compartment holds laundry detergent for the main wash cycle, which is added to the load at the beginning of the cycle. Always use HE (High-Efficiency) detergent with your washing machine.
Follow the detergent manufacturer's instructions with respect to the amount of detergent to use, and never use more than the recommended amount. Using too much detergent can result in detergent buildup in clothing and the washer. Either powdered or liquid detergent may be used.

NOTE

- Liquid or powdered color-safe bleach may be added to the main wash compartment with detergent of the same type.

Designed specially to use only HE (High-Efficiency) detergent



Liquid Bleach Compartment

This compartment holds liquid chlorine bleach, which will be dispensed automatically at the proper time during the wash cycle.

NOTE

- Do not add powdered or liquid color-safe bleach to this compartment.
- Always follow the manufacturer's recommendations when adding bleach. Do not exceed the maximum fill line. Using too much bleach can damage fabrics.
- Never pour undiluted liquid chlorine bleach directly onto the load or into the drum. Fabric damage can occur.

Fabric Softener Compartment

This compartment holds liquid fabric softener, which will be automatically dispensed during the final rinse cycle.

NOTE

- Always follow the manufacturer's recommendations when adding fabric softener. Do not exceed the maximum fill line. Using too much fabric softener may result in stained clothes.
- Dilute concentrated fabric softeners with warm water. Do not exceed the maximum fill line.
- Never pour fabric softener directly onto the load or into the drum.

OPERATING YOUR WASHER

1. Ready mode

1) Coin / Card type

– The cycle LEDs are lit at the same time, when the price of cycles are equal.

2) OPL type

– The cycle LEDs flash at the same time, and displayed PUSH.

NOTE

- Price setting varies by country
- Set your country from LOC1 mode (Refer *How to enter the* EEPE)
- After EEPT, reset your country (Default country is EUK)

2. Insert card/coin (not for OPL type)

Insert a cash card that has a sufficient balance. The card balance should be more than the programmed vend price for a selected cycle.

NOTE

- When the card balance is not enough, machine displays the card balance for 5 seconds and then displays BALE message repetitively

- Insert a sufficient amount of change that is more than the programmed vend price for the selected cycle.

NOTE

- The machine will not start until sufficient coins are inserted.

3. Select the cycle

Press the desired button and press the Start button. The display LED will show the remaining time and the selected cycle starts.

- Select cycles designed for different types of fabric and soil levels.

CYCLE	Fabric type	Wash/Rinse Temp.
Hot	Cotton, linen, towels, shirts, sheets	Hot / Cold
Warm	Cotton, mixed loads, work clothes, jeans, shirts	Warm / Cold
Cold	Cotton, dress shirts, pants, wrinkle-free clothing, cotton/poly blend clothing, tablecloths	Cold / Cold
Delicates	Dress shirts, blouses, nylons, sheer or lacey garments	Cold / Cold

4. Add super wash

Wash time or rinse cycle can be added when additional coin is inserted or a valid cash card is entered.

5. Change course

You cannot change the cycle while the machine is running.

6. Cycle finish

The machine stops and LED display shows END with beeper sound.

* Do not work any button and stop the washer (When the washer is operating) or (when a cycle is in progress)

WARNING

- To reduce the risk of fire, electric shock, or injury to persons, **read the IMPORTANT SAFETY INSTRUCTIONS before operating this appliance.**

PROGRAMMING MODE

: You can check machine information or change setting on Program setup, collect information data, Diagnostic test. There are two methods that you can enter programming mode.

How to enter Programming mode

You can enter programming mode only for Idle state and pause state.

- Card Type
1) Insert service card.
2) Display will show CARD .

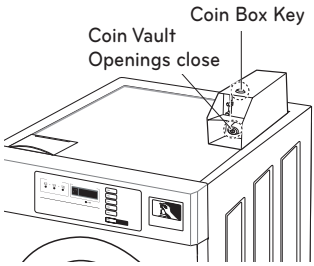
- Coin Type
1) Dissemble upper coin box key.
2) Take out the coin drop from the coin box.
3) Turn on/off the toggle switch at the back of the coin box.
4) Display will show CARD .

- All Types
1) Push the Hot & Cold button at the same time.
2) Push the Warm button 3 times.
3) Push the Start button.
4) Display will show CARD .

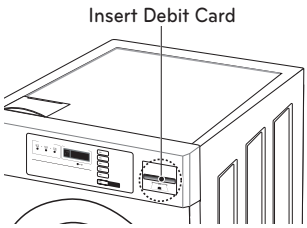
How to use button

You can change Washer vend price, cycle time and Cycle parameters, etc.

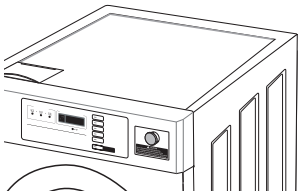
Press Button	Description
Hot	Moves to upper level or Comes back to Idle State
Warm	Moves through modes in the same level (+)
Cold	Moves through modes in the same level (-)
Start	Enters the selected mode



- Coin type -



- Card type -



- OPL type -

NOTE

- If you turn on the power without connecting meter case for the first time, the machine display CARD .
- When the machine is shipped from the factory, **it is set in the coin type.** You can change Card/ Coin type by button. (For more information refer to SETUP mode.)
- The machine will display PUSH for OPL type.
- Price setting varies by country
- Set your country from Loc1 mode (Refer *How to enter the* tYPE)
- After EEPT, reset your country (Default country is EUK)

Card type

Algorithm flow chart shows how to control programming mode.

Before program set, check the structure of programming mode.

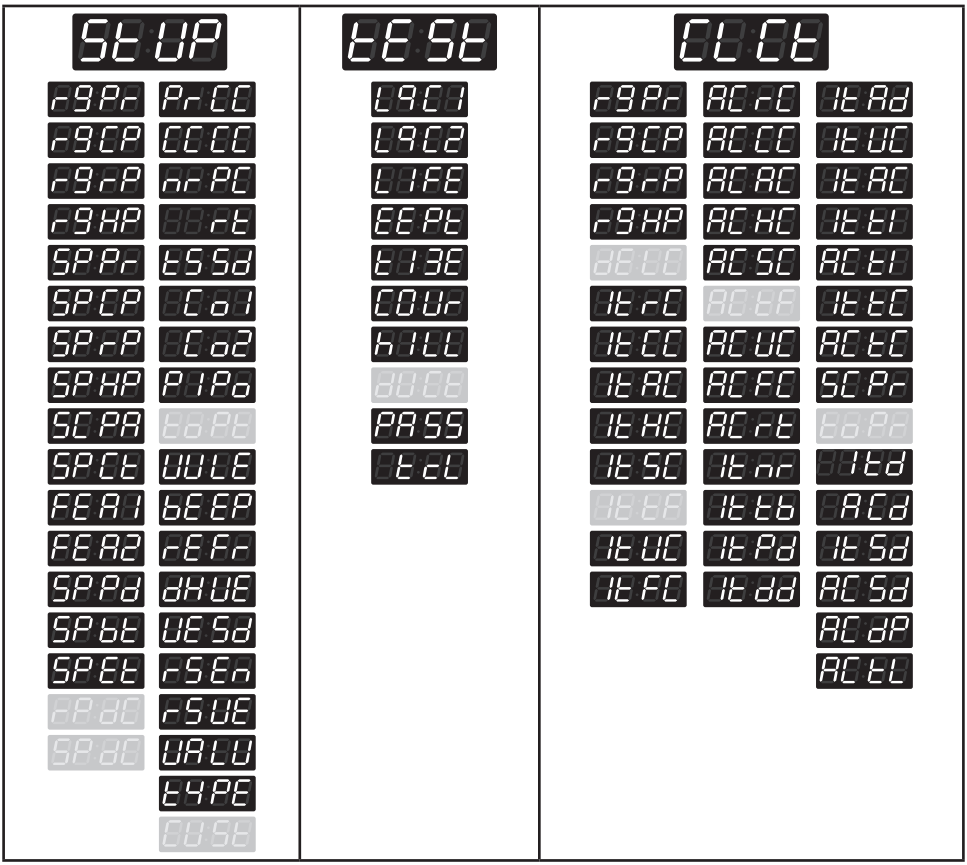
1. Turn on/off toggle switch or Insert service card, for entering set up mode (or follow OPL type instructions).
2. Press Hot button to move to the upper level.
3. Press Warm (+) or Cold (-) button if you want to be at the same level.
4. Press Start button to enter the details of Set up or Diagnostic Tests.

`StUP` is to set price value, time value, vend type, etc.

`tESt` consists of line test, reset, free cycle, and kill cycle.

`CLCt` is to collect the usage data.

Structure of Programming mode



NOTE

- Do not use `LPC2` , `LIFE` .
- It is used only in inspecting the machine.
- Price setting varies by country
- Set your country from `Loc1` mode (Refer *How to enter the* `tYPE`)
- After EEPT, reset your country (Default country is EUK)

Coin type

Algorithm flow chart shows how to control programming mode.

Before program set, check the structure of programming mode.

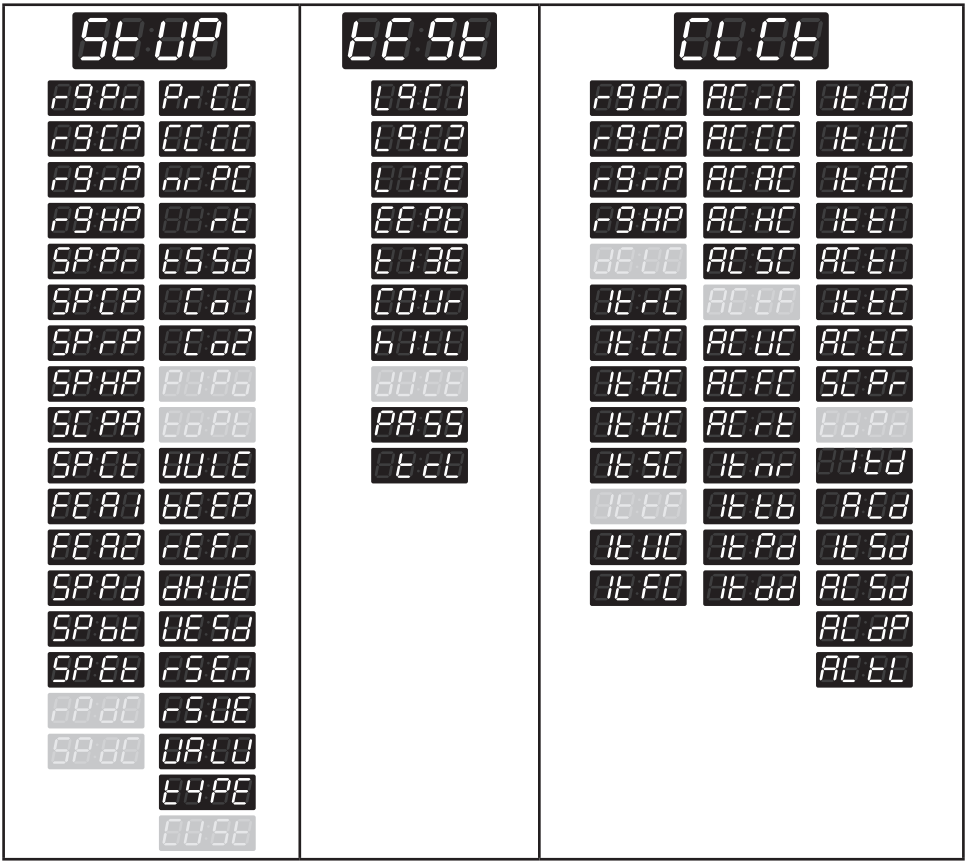
1. Turn on/off toggle switch or Insert service card, for entering set up mode (or follow OPL type instructions).
2. Press Hot button to move to the upper level.
3. Press Warm (+) or Cold (-) button if you want to be at the same level.
4. Press Start button to enter the details of Set up or Diagnostic Tests.

SEtUP is to set price value, time value, vend type, etc.

tESt consists of line test, reset, free cycle, and kill cycle.

CLCt is to collect the usage data.

Structure of Programming mode



NOTE

- Do not use L4C2 , LIFE .
- It is used only in inspecting the machine.
- Price setting varies by country
- Set your country from Loc1 mode (Refer *How to enter the* t4PE)
- After EEPT, reset your country (Default country is EUK)

OPL type

Algorithm flow chart shows how to control the programming mode.

Before program set, check the structure of the programming mode.

The method of entering set up mode.

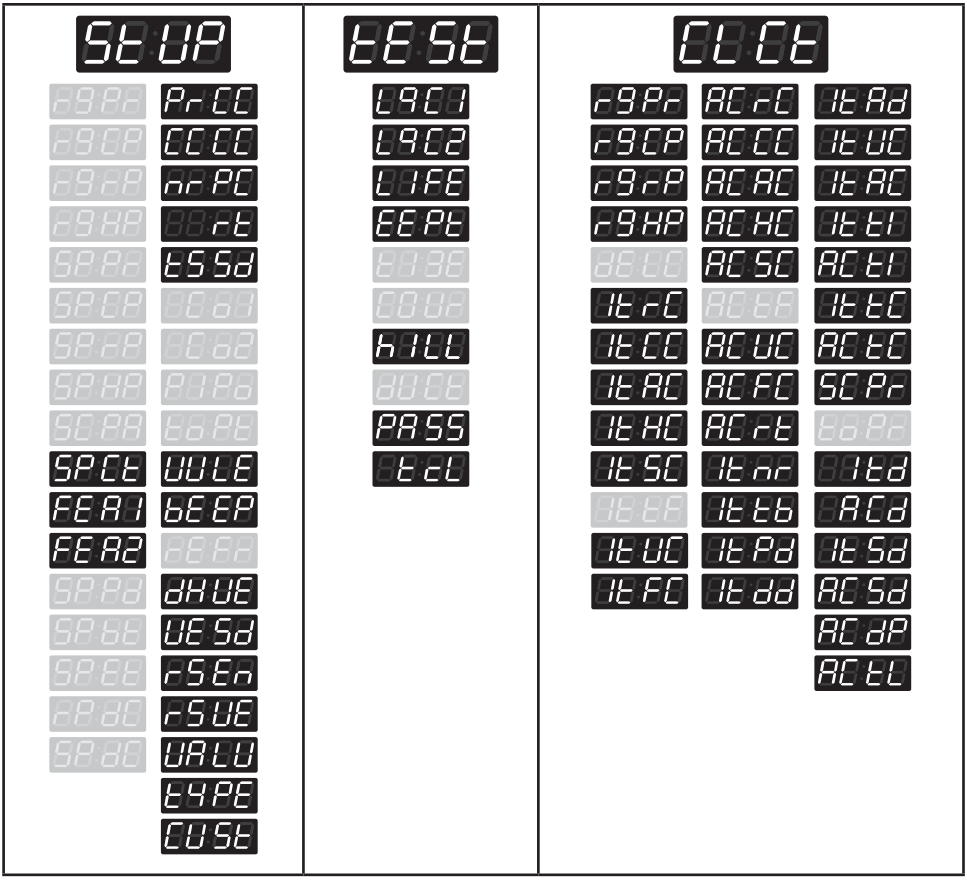
1) Push the Hot & Cold button at the same time.
2) Push the Warm button 3 times.
3) Push the Start button.
4) Display will show LOC1 .

SETUP is to set price value, time value, vend type, etc.

TEST consists of line test, reset, free cycle, and kill cycle.

CLCT is to collect the usage data.

Structure of Programming mode



NOTE

- Do not use LOC2 , LIFE .
- It is used only in inspecting the machine.

PROGRAMMING MODE –SETUP MODE

Setup Mode : SEtUP (display)

You can change washer vend price, cycle time, and cycle parameters, etc.

Entering setup mode
- Coin type – Turn on/off toggle switch.
- Card type – Insert the service card.
- All types – 1) Push the Hot & Cold button at the same time.
  2) Push the Warm button 3 times.
  3) Push the Start button.
- Then, the washer displays LqC1 .

1. How to change regular price.

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Start** button. Display previous regular price.	
	Press **Warm(+)** or **Cold(-)** button to set the regular price. (The vend price can be set from 0~10,00 in 0,1 increments.)	
	Press the **Start** button. The machine sets up the regular price, then advances to the next process automatically.	
	1. Continue to set up the next price. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

NOTE

- This function is not applied for OPL type.
- Price setting varies by country
- Set your country from LOC1 mode (Refer *How to enter the* tYPE)
- After EEPT, reset your country (Default country is EUK)

2. How to change regular delicates price.

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until rSCP appears in the display.	
	Press the **Start** button. Display previous regular delicates price.	
	Press **Warm(+)** or **Cold(-)** button to set the regular delicates price. (The vend price can be set from 0~10,00 in 0,1 increments.)	
	Press the **Start** button. The machine sets up the regular delicates price, then advances to the next process automatically.	
	1. Continue to set up the next price. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

NOTE

- This function is not applied for OPL type.
- Price setting varies by country
- Set your country from LOC1 mode (Refer *How to enter the* tYPE)
- After EEPT, reset your country (Default country is EUK)

3. How to change regular warm & cold price

	Button	Display
Enter setup mode. You will see LqC1 	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until rSrP appears in the display.	
	Press the **Start** button. Display previous regular warm & cold price.	
	Press **Warm(+)** or **Cold(-)** button to set the regular warm & cold price. (The vend price can be set from 0~10,00 in 0,1 increments.)	
	Press the **Start** button. The machine sets up the regular warm & cold price, then advances to the next process automatically.	
	1. Continue to set up the next price. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

NOTE

- This function is not applied for OPL type.
- Price setting varies by country
- Set your country from LOC1 mode (Refer *How to enter the* tYPE)
- After EEPT, reset your country (Default country is EUK)

4. How to change regular hot price

	Button	Display
Enter setup mode. You will see LqC1 	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until rSHP appears in the display.	
	Press the **Start** button. Display previous regular hot price.	
	Press **Warm(+)** or **Cold(-)** button to set the regular hot price. (The vend price can be set from 0~10,00 in 0,1 increments.)	
	Press the **Start** button. The machine sets up the regular hot price, then advances to the next process automatically.	
	1. Continue to set up the next price. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

NOTE

- This function is not applied for OPL type.
- Price setting varies by country
- Set your country from LOC1 mode (Refer *How to enter the* tYPE)
- After EEPT, reset your country (Default country is EUK)

5. How to change special price

	Button	Display
Enter setup mode. You will see LqC1 	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until SAPr appears in the display.	
	Press the **Start** button. Display previous special price.	
	Press **Warm(+)** or **Cold(-)** button to set a special price. (The vend price can be set from 0~10,00 in 0,1 increments.)	
	Press the **Start** button. The machine sets up the special price, then advances to the next process automatically.	
	1. Continue to set up the next price. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

NOTE

- This function is not applied for OPL type.
- Price setting varies by country
- Set your country from LOC1 mode (Refer *How to enter the* TYPE)
- After EEPT, reset your country (Default country is EUK)

6. How to change special delicates price

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until SPCP appears in the display.	
	Press the **Start** button. Display previous special delicates price.	
	Press **Warm(+)** or **Cold(-)** button to set the special delicates price. (The vend price can be set from 0~10,00 in 0,1 increments.)	
	Press the **Start** button. The machine sets up the special delicates price, then advances to the next process automatically.	
	1. Continue to set up the next price. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

NOTE

- This function is not applied for OPL type.
- Price setting varies by country
- Set your country from Loc1 mode (Refer *How to enter the* tYPE)
- After EEPT, reset your country (Default country is EUK)

7. How to change special warm & cold price

	Button	Display
Enter setup mode. You will see LqC1 	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until SPrP appears in the display.	
	Press the **Start** button. Display previous special warm & cold price.	
	Press **Warm(+)** or **Cold(-)** button to set the special warm & cold price. (The vend price can be set from 0~10,00 in 0,1 increments.)	
	Press the **Start** button. The machine sets up the special warm & cold price, then advances to the next process automatically.	
	1. Continue to set up the next price. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

NOTE

- This function is not applied for OPL type.
- Price setting varies by country
- Set your country from LOC1 mode (Refer *How to enter the* TYPE)
- After EEPT, reset your country (Default country is EUK)

8. How to change special hot price

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until SPHP appears in the display.	
	Press the **Start** button. Display previous special hot price.	
	Press **Warm(+)** or **Cold(-)** button to set the special hot price. (The vend price can be set from 0~10,00 in 0,1 increments.)	
	Press the **Start** button. The machine sets up the special hot price, then advances to the next process automatically.	
	1. Continue to set up the next price. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

NOTE

- This function is not applied for OPL type.
- Price setting varies by country
- Set your country from LOC1 mode (Refer *How to enter the* tYPE)
- After EEPT, reset your country (Default country is EUK)

9. How to change add super wash price

	Button	Display
Enter setup mode. You will see LqC1 	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until SCPA appears in the display.	
	Press the **Start** button. Display previous add super wash price.	
	Press **Warm(+)** or **Cold(-)** button to set add super wash price. (The vend price can be set from 0~10,00 in 0,1 increments.)	
	Press the **Start** button. The machine sets up the add super wash price, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

NOTE

- This function is not applied for OPL type.
- Price setting varies by country
- Set your country from LOC1 mode (Refer *How to enter the* tYPE)
- After EEPT, reset your country (Default country is EUK)

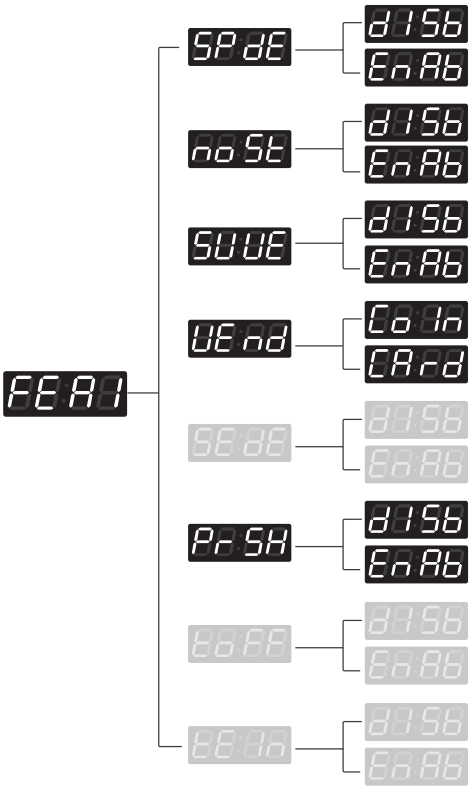
10. How to change add super wash type

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until  appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until  appears in the display.	
	Press the **Start** button. Display previous add super wash type.	
	Press **Warm** or **Cold** button and then select the add super wash type you want.  Wash time increase.  Both (Wash time increase and rinsing once more.)  Rinsing once more.	  
	Press the **Start** button. The machine sets up the add super wash type, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

11. How to enter the FEA1

Enter setup mode. You will see LqC1	Button	Display
	Press the **Hot** button.	tEST
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	SEtUP
	Press the **Start** button.	rgPr
	Press the **Warm** or the **Cold** button until FEA1 appears in the display.	FEA1

Structure of FEA1



Content of FEA1

- SPdE • Special price days apply or not
- noSt • Non-stop wash apply or not
- SUUE • Add super wash apply or not
- UEnd • Select vend type
- SEdE • Sense dry apply or not (only for dryer)
- PrSH • Pre-wash apply or not
- toFF • Top off apply or not (only for dryer)
- tEIn • Disable
- diSb • Disable
- EnAb • Enable

11-1. Special price day setup

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until  appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until  appears in the display.	
	Press the **Start** button. Display .	
	Press the **Start** button. Press **Warm** or **Cold** button and then select  or .  Disable  Enable	One or the other will display.  
	Press the **Start** button. The machine sets up the special price day, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

NOTE

- This function is not applied for OPL type.

11-2. Non-stop rinse

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until StUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until FEA1 appears in the display.	
	Press the **Start** button. Display SPdE.	
	Press the **Warm** or the **Cold** button until noSt appears in the display.	
	Press the **Start** button. Press **Warm** or **Cold** button and then select dISb or EnAb .  Disable  Enable	One or the other will display.  
	Press the **Start** button. The machine sets up the non-stop rinse, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

NOTE

• rSEn (rinse spin enable) is not available in noSt option.

11-3. Add super wash setup

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until FEA1 appears in the display.	
	Press the **Start** button. Display SPdE.	
	Press the **Warm** or the **Cold** button until SUUE appears in the display.	
	Press the **Start** button. Press **Warm** or **Cold** button and then select dISb or EnAb .  Disable  Enable	One or the other will display.  
	Press the **Start** button. The machine sets up the add super wash application, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

11-4. Vend type setup - card type or coin type setup

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until FEA1 appears in the display.	
	Press the **Start** button. Display SPdE .	
	Press the **Warm** or the **Cold** button until UEnd appears in the display.	
	Press the **Start** button. Press **Warm** or **Cold** button and then select CoIn or CArd .  Coin type  Card type	One or the other will display.  
	1.Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

NOTE

- After setting the Value to VEND, vend type is changed directly without power on/off.
- SEdE (Sense dry) is not available in washer.

11-5. Pre-wash setup

	Button	Display
Enter setup mode. You will see LqC1 	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until FEAt appears in the display.	
	Press the **Start** button. Display SPdE .	
	Press the **Warm** or the **Cold** button until PrSH appears in the display.	
	Press the **Start** button. Press **Warm** or **Cold** button and then select dISb or EnAb .  Disable  Enable	One or the other will display.  
	Press the **Start** button. The machine sets up the pre-wash, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button three times.	

NOTE

- toFF (top off) is not available in washer (Only for dryer)

11-6. Twin spray setup

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until  appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until  appears in the display.	
	Press the **Start** button. Display .	
	Press the **Warm** or the **Cold** button until  appears in the display.	
	Press the **Start** button. Press **Warm** or **Cold** button and then select or .  Disable  Enable	One or the other will display.  
	Press the **Start** button. The machine sets up the twin spray, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button three times.	

NOTE

- (Twin spray) is not available in Titan c washer.

12. How to enter the FEA2

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until FEA2 appears in the display.	

Structure of FEA2



Content of FEA2

PAUS • Pause function apply or not

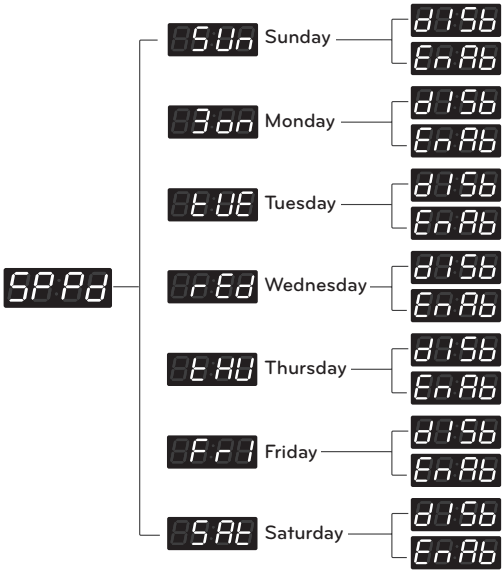
12-1. Pause function setup

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until  appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until  appears in the display.	
	Press the **Start** button. Display .	
	Press the **Start** button. Press **Warm** or **Cold** button and then select  or  .  Disable  Enable	One or the other will display.  
	Press the **Start** button. The machine sets up the pause function, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button three times.	

13. How to enter the special price day

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until SPPd appears in the display.	
	Press the **Start** button. Display SUn .	

Structure of SPPd



NOTE

- This function is not applied for OPL type.

13-1. How to change to Sunday

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until SPPd appears in the display.	
	Press the **Start** button. Display SUn .	
	Press the **Start** button. Press **Warm** or **Cold** button and then select dISb or EnAb .  Disable  Enable	One or the other will display.  
	Press the **Start** button. The machine sets up the special price day (Sunday), then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

NOTE

• As explained on the previous page, similarly, other days can be set up by the same method.

14. Special price beginning time setup

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until  appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until  appears in the display.	
	Press the **Start** button. Display previous special price beginning time.	
	Press **Warm(+)** or **Cold(-)** button to select time between **0** and **23**.	
	Press the **Start** button. The machine sets up the special price beginning time, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

15. Special price ending time setup

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until SPEt appears in the display.	
	Press the **Start** button. Display previous Special Price ending time.	
	Press **Warm(+)** or **Cold(-)** button to select time between **1** and **24** .	
	Press the **Start** button. The machine sets up the special price ending time, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

NOTE

- rPdC (regular priced dryer cycle time) is not available in washer.
- SPdC (special priced dryer cycle time) is not available in washer.

NOTE

- When setting up a special price period, the ending time must be later than the beginning time.

16. Prewash time setup

Prewash time setup can be used to set the time for prewash.

	Button	Display
Enter setup mode. You will see LqC1 	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until Pr-CC appears in the display.	
	Press the **Start** button. Display previous Prewash time.	
	Press **Warm(+)** or **Cold(-)** button to select prewash time between **4** and **8**.	
	Press the **Start** button. The machine sets up the prewash time, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

17. Washing time setup

	Button	Display
Enter setup mode. You will see LqC1 	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until CCCC appears in the display.	
	Press the Start button. Display C0S1. Press Warm or Cold button to select course. C0S1 : Hot course C0S2 : Warm course C0S3 : Cold course C0S4 : Delicates course C0S5 : None (only for Heater model)	
	Press the **Start** button. Display previous wash time.	
	Press **Warm(+)** or **Cold(-)** button to select wash time. (Maximum 15 min, Minimum 5 min.)	
	Press the **Start** button. The machine sets up the wash time, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button three times.	

18. Rinsing times per cycle

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until  appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until  appears in the display.	
	Press the Start button. Display . Press Warm or Cold button to select course.  : Hot course  : Warm course  : Cold course  : Delicates course  : None (only for Heater model)	
	Press the **Start** button. Display previous rinsing times per cycle.	
	Press **Warm(+)** or **Cold(-)** button to select rinsing times per cycle. (Max 5, Min 1)	
	Press the **Start** button. The machine sets up the rinsing times per cycle, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button three times.	

19. Rinsing time setup

	Button	Display
Enter setup mode. You will see LqC1 	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until  appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until  appears in the display.	
	Press the Start button. Display . Press Warm or Cold button to select course.  : Hot course  : Warm course  : Cold course  : Delicates course  : None (only for Heater model)	
	Press the **Start** button. Display previous rinsing time.	
	Press **Warm(+)** or **Cold(-)** button to select rinse cycle. (Max 16min, Min 9min)	
	Press the **Start** button. The machine sets up the rinsing time, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button three times.	

20. Top spin speed – final spin time depends on RPM

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button. 	
	Press the **Warm** or the **Cold** button until  appears in the display. 	
	Press the **Start** button. 	
	Press the **Warm** or the **Cold** button until  appears in the display. 	
	Press the Start button. Display . Press Warm or Cold button to select course.  : Hot course  : Warm course  : Cold course  : Delicates course  : None (only for Heater model)	
	Press the **Start** button. Display previous top spin speed. 	
	Press **Warm(+)** or **Cold(-)** button to select top spin speed. (Refer to NOTE below for Top spin speed.)	
	Press the **Start** button. The machine sets up the top spin speed, then advances to the next process automatically. 	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button three times.	

NOTE

• **Top spin speed**

0: 980 rpm	3: 700 rpm	6: 400 rpm
1: 900 rpm	4: 600 rpm	
2: 800 rpm	5: 500 rpm	

21. Value of coin 1

	Button	Display
Enter setup mode. You will see LqC1 	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until Coin appears in the display.	
	Press the **Start** button. Display previous coin 1 value.	
	Press **Warm(+)** or **Cold(-)** button to select value of coin 1 (The value can be set from 0~1000 in 10 increments.)	
	Press the **Start** button. The machine sets up the value of coin 1, then advances to the next process automatically.	
	1. Continue to set up the next price. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types – Push the Hot button twice.	

NOTE

- This function is not applied for OPL type.
- Price setting varies by country
- Set your country from Loc1 mode (Refer *How to enter the* tYPE)
- After EEPT, reset your country (Default country is EUK)

22. Value of coin 2

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until Co2 appears in the display.	
	Press the **Start** button. Display previous coin 2 value.	
	Press **Warm(+)** or **Cold(-)** button to select value of coin 2. (The value can be set from 0~1000 in 10 increments.)	
	Press the **Start** button. The machine sets up the value of coin 2, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

NOTE

- Coin 2 is only available for kiosk system

NOTE

- This function is not applied for OPL type.
- Price setting varies by country
- Set your country from Loc1 mode (Refer *How to enter the* tYPE)
- After EEPT, reset your country (Default country is EUK)

23. Penny increment pricing offset

This represents the cent increment price offset used when debit card is setup.

	Button	Display
Enter setup mode. You will see LqC1 	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until PIPo appears in the display.	
	Press the **Start** button. Display previous penny increment pricing offset.	
	Press **Warm(+)** or **Cold(-)** button to select value of PIPo. (0~4)	
	Press the **Start** button. The machine sets up the value of PIPo, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

NOTE

- Penny Increment Pricing Offset is available only in card type. (It hasn't affected the coin type's price setting.)
  toPt (top off time) is not available in washer.

24. How to change the water level

You can change the water level by selecting two options.

1. LO indicate water level 23,5 [KHz]
2. 31dd indicate water level 23,0 [KHz]
3. HI indicate water level 22,8 [KHz]

	Button	Display
Enter setup mode. You will see LqC1 	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until UULE appears in the display.	
	Press the Start button. Display C0S1. Press Warm or Cold button to select course. C0S1 : Hot course C0S2 : Warm course C0S3 : Cold course C0S4 : Delicates course C0SS : None (only for Heater model)	
	Press the **Start** button. Press **Warm(+)** or **Cold(-)** button and then select LO or 31dd or HI LO 23,5 [KHz] 31dd 23,0 [KHz] HI 22,8 [KHz]	One or the other will display.   
	Press the **Start** button. The machine sets up the value of water level, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type – Turn on/off toggle switch. • Card type – Insert the service card. • All types – Push the Hot button three times.	

NOTE

- This function can be set only at the machine. It cannot be managed via the setup card. (It is not applied in setup card.)

25. Beep volume

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until bEEP appears in the display.	
	Press the **Start** button. Display previous value.	
	Press **Warm(+)** or **Cold(-)** button to select High or Low or Off.	
	Press the **Start** button. The machine sets up the beep volume, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type – Turn on/off toggle switch. • Card type – Insert the service card. • All types – Push the Hot button twice.	

26. Time to keep the coin (Use only for coin type)

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until rEFr appears in the display.	
	Press the **Start** button. Display previous value.	
	Press **Warm(+)** or **Cold(-)** button to select button to select time between **0 ~ 180**.	
	Press the **Start** button. The machine sets up the time to keep the coin, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

27. How to set drop count

	Button	Display
Enter setup mode. You will see LqC1 	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until dHUE appears in the display.	
	Press the **Start** button. Display default drop count.	
	Press **Warm** or **Cold** button to select time between **25** and **45**. (Unit of drop count : 5)	
	Press the **Start** button. The machine sets up the drop count, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

NOTE

- **Drop counts 25~45:** After dropping the selected amount of counts, UE will not occur. The cycle will end immediately or after spinning at a low RPM.
- **Drop counts 50:** After dropping the selected amount of counts, UE will occur. The cycle will end after shut down time. ***Refer to How to set shut down time after UE.***

28. How to set shut down time after UE

Unbalance Error (UE) occurs when washer cannot balance the load within the selected drop counts. UESd can be used to set the time for maintaining the UE status before shutting down the cycle.

	Button	Display
Enter setup mode. You will see LqC1 	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until UESd appears in the display.	
	Press the **Start** button. Display default shut down time.	
	Press **Warm** or **Cold** button to select time between 0~10. (0 : Permanent standby, 1~10min : Shut down after selected time) ※ To restart after Permanent standby, redistribute load and press Start button.	
	Press the **Start** button. The machine sets up the shut down time, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

29. How to set rinse spin enable

	Button	Display
Enter setup mode. You will see LqC1 	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until rSEn appears in the display.	
	Press the **Start** button. Display step of rinse.(rs1~rs5)	
	Press the **Warm** or the **Cold** button to select risne spin EnAb or diSb .	
	Press the **Start** button. The machine sets up the rinse spin and display next step of rinse.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

30 . How to set drop count for rinse spin

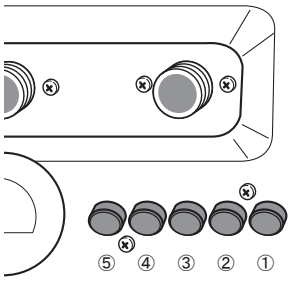
rSUE can be used to set the number of drop counts for each rinse spin.

	Button	Display
Enter setup mode. You will see LqC1 	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until rSUE appears in the display.	
	Press the **Start** button. Display default drop count.	
	Press **Warm** or **Cold** button to select drop count between 5~15 (Unit of drop count : 1)	
	Press the **Start** button. The machine sets up the drop count, then advances to the next process automatically.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

31. How to set auto dosing

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until UALU appears in the display.	
	Press the **Start** button. Display auto dosing channel (CH1~5).	
	Press the **Start** button. Display previous dosing time (sec).	
	Press **Warm** or **Cold** button to select time between **0** and **20**(Except CH3) CH3 can select time between 0 and 10.	
	Press the **Start** button. Display next auto dosing channel.(until CH5) The machine sets up the dosing time.	
	Press the **Hot** button, then advances to the next process automatically.	

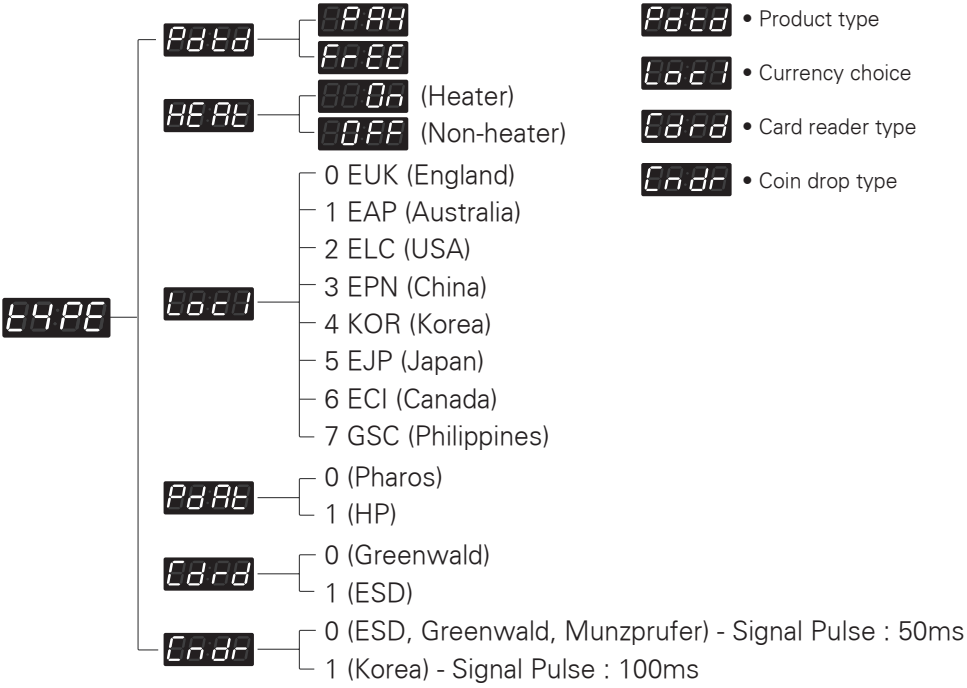
CH	Detergent	Input period
①	ETC (Emulsifier)	Main wash phase
②	Main wash	Main wash phase
③	Bleach	Main wash (Remaining washing time : 5 Minutes)
④	Softener	Final rinse phase
⑤	Pre-wash	Pre-wash phase



32. How to enter the t4PE

Enter setup mode. You will see LqC1	Button	Display
	Press the **Hot** button.	tESt
	Press the **Warm** or the **Cold** button until SEUP appears in the display.	SEUP
	Press the **Start** button.	r9Pr
	Press the **Warm** or the **Cold** button until t4PE appears in the display.	t4PE

Structure of t4PE



Content of t4PE

- PdtD • Product type
- LocI • Currency choice
- CdrD • Card reader type
- CnDr • Coin drop type

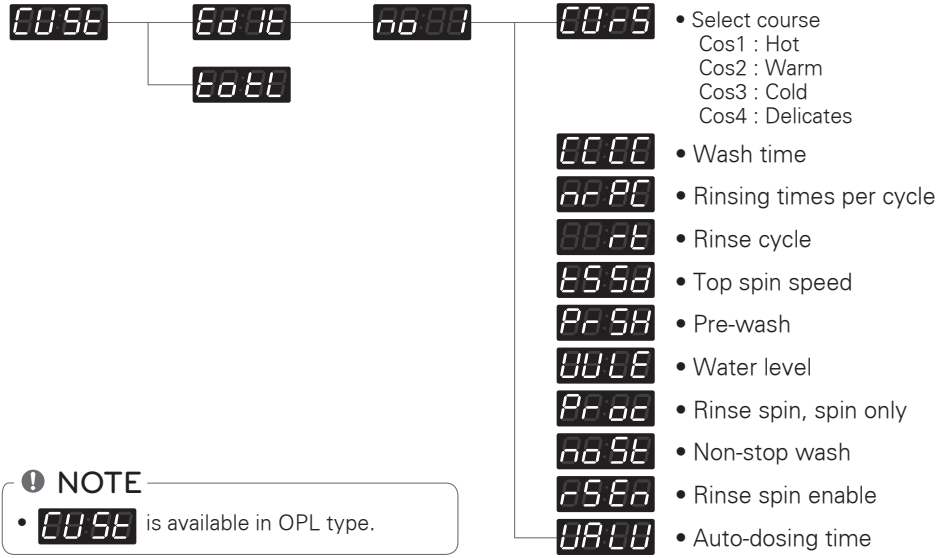
NOTE

- Pay means card or coin type.
- Default type is coin type. If you want to change coin type to card type, you need to setup vend type in fea1. (refer to FEA1 function)
- Free means OPL type.
- Price setting varies by country
- Set your country from LocI mode (Refer *How to enter the* t4PE)
- After EEPT, reset your country (Default country is EUK)

33. How to set custom program

	Button	Display
Enter setup mode. You will see LqC1 	Press the **Hot** button.	
	Press the **Warm** or the **Cold** button until SEtUP appears in the display.	
	Press the **Start** button.	
	Press the **Warm** or the **Cold** button until CUSt appears in the display. Press the **Start** button.	
	Press the **Warm** or the **Cold** button until totL appears in the display. Press the **Start** button.	
	Press the **Warm** or Cold button to select the number of custom course.(1~20) Press the **Start** button. The machine sets up the number of custom course	
	Press the **Warm** or the **Cold** button until Edit appears in the display. Press the **Start** button.	
	Press the **Warm** or **Cold** button to select custom number.(no1~20) Press the **Start** button. The machine sets up the custom mode, then advances to the next process automatically.	

Structure of CUSt



NOTE

- CUSt is available in OPL type.

PROGRAMMING MODE - TEST MODE

Diagnostic tests: tEST (display)

This program has been added for testing the washer and detecting errors.

Entering the test mode

Data Name	Button	Display	Description
Entering the test mode	1. Entering programming mode	C9C1	Insert service card (card type), turn on/off toggle switch (Coin type).
	2. Hot	tEST	Press the Hot button. Then tEST appears in the display.
	3. Start	C9C1	Enter the diagnostic test mode.

1. C9C1

According to pressing Start button, test move to the next step.

Number of times the Start button is pressed	Check Point	Display
None		C9C1
1 time	Turns on all lamps and locks the door	Displays 88:88, Displays 1U:XX, 1t:XX and 10:XX alternately (Version)
2 times	Tumble Clockwise.	rpm (42~50)
3 times	Low Speed Spin	rpm (550~650)
4 times	High Speed Spin	rpm (900~1000)
5 times	Inlet valve for cold water turns on. (Close the gravity drain valve.)	Water level frequency (255~)
6 times	Inlet valve for hot water turns on.	Water level frequency (255~)
7 times	Inlet valve for atomizing turns on.	Water level frequency (255~)
8 times	Inlet valve for bleach turns on.	Water level frequency (255~)
9 times	Tumble counter clockwise. (Open the gravity drain valve.)	rpm (42~50)
10 times	Turn on the heater	Displayed XX
11 times	Turns on all lamps.	Displays 88:88, Displays 1U:XX, 1t:XX and 10:XX alternately
12 times	Button Checks.	
13 times	High Speed Spin	rpm (900~1000)
14 times	AF:88 PDA Signal Check	AF:88 this function is not applied in this machine
15 times		C9C1

NOTE

- Make sure the drum is empty when a diagnostic test is performed. Do not use C9C2 .

2. Factory reset - EEPt

After factory reset, machine information is changed to the default value.

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Warm** or the **Cold** button until EEPt appears in the display.	
	Press the **Start** button.	
	Press the **Warm** button until 23 appears in the display.	
	Press the **Start** button, then factory reset is done. PUSH is displayed. (Card & Coin type : LqC1 displayed.)	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type – Turn on/off toggle switch. • Card type – Insert the service card. • All types – Push the Hot button twice.	

NOTE

- Washing time 9 minutes
- Rinse cycle twice
- Top spin speed 980 rpm
- Add SUPER WASH 3 minutes extra wash and one extra rinse
- Price setting varies by country
- Set your country from Loc1 mode (Refer *How to enter the* tYPE)
- After EEPT, reset your country (Default country is EUK)

3. Time setup

	Button	Display
Enter setup mode. You will see LqC1 	Press the **Warm** or the **Cold** button until  appears in the display.	
	Press the **Start** button. The display will cycle through 2000 –> 0101 –> Sat –> 0000 repeatedly.	
	Press the **Start** button.	
	Press **Warm (+)** or **Cold (-)** button to select year between 2000 and 2099.	
	Press the **Start** button. The machine sets up the year, then advances to the next process automatically.	
	Press **Warm (+)** or **Cold (-)** button to select a month between 01 and 12.	
	Press the **Start** button. The machine sets up the month, then advances to the next process automatically.	
	Press **Warm (+)** or **Cold (-)** button to select the day between 01 and 31.	
	Press the **Start** button. The machine sets up the day, then advances to the next process automatically.	
	Press **Warm (+)** or **Cold (-)** button to select the hour between 00 and 23.	
	Press the **Start** button. The machine sets up the hour, then advances to the next process automatically.	
	Press **Warm (+)** or **Cold (-)** button to select minute between 00 and 59.	
	Press the **Start** button. The machine sets up the minute.	
	1. Continue to set up the next mode. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types - Push the Hot button twice.	

NOTE

• When the machine is switched off, Time setup is initialized.

4. Courtesy cycle

A courtesy cycle is like a complimentary cycle given to the customer when the washer goes out of order after the customer has made the payment to wash clothes.

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Warm** or the **Cold** button until  appears in the display.	
	Press the **Start** button.	
	Press the **Warm** button until  appears in the display.	
	Press the **Start** button. Go back to ready mode.	
	Select the cycle you desire.	
	Press the **Start** button. Display will show the remaining time and Start.	

5. Cycle Kill

Coin / OPL type

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Warm** or the **Cold** button until  appears in the display.	
	Press the **Start** button.	
	Press the **Warm** button until  appears in the display.	
	Press the **Start** button. Start drain and display spin time.	Display spin time
	Display  with beeping.	
	Go back to ready mode.	

Card type

Insert cycle kill card.	Description	Display
	Display spin time.	Spin Time
	Begin to drain.	Spin Time
	Remove cycle kill card.	
	Go back to ready mode.	

6. Password - PASS

How to change the password.

	Button	Display
Enter setup mode. You will see LqC1 	Press the **Warm** or the **Cold** button until PASS appears in the display.	
	Press the **Start** button.	
	Press the **Warm** button until 3 appears in the display.	
	Set up the number you want By pressing **Warm** or the **Cold** button. For example, If you want to change password number to No. 5. Press the **Warm** button until 5 appears in the display.	
	Press the **Start** button, then Password change is done. tcL is displayed.	
	1. Continue to set up the next price. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types – Push the Hot button twice.	

NOTE

- Default password is 3.
  If you want to change the password, you must know the present password.

7. Tub clean - tcL

To clean up the tub, please run the TUB CLEAN cycle.

Enter setup mode. You will see LqC1 	Button	Display
	Press the **Warm** or the **Cold** button until tcL appears in the display.	
	Press the **Start** button. Display will show the remaining time.	
	When the TUB CLEAN cycle is finished, End is displayed with beeping.	
	Go back to ready mode.	
	1. Continue to set up the next price. 2. Stop the change of setup value and go back to ready mode. • Coin type - Turn on/off toggle switch. • Card type - Pull the service card. • All types – Push the Hot button twice.	

NOTE

- Never load laundry while using TUB CLEAN. The laundry may be damaged or become contaminated. Make sure to clean the washer tub when it is empty.
- Leave the door open after finishing the laundry to keep the tub clean.
- TUB CLEAN should be repeated monthly.
- Safely and conveniently secure the door slightly ajar with a magnetic door plunger. This will promote air circulation and allow the interior of the machine to dry.

PROGRAMMING MODE - COLLECT MODE

Collect information data : CLCt (display)

The washer collects the usage data so that the owner can check various information like number of various cycles used, how many times card or coins used, etc.

Entering the collect mode

Data Name	Button	Display	Description
Entering the collect mode	1. Entering the programming mode.	tACI	Insert service card (card type) Turn on/off toggle switch (card type)
	2. Hot	tESt	Press the **Hot** button until tESt appears in the display.
	3. Warm(+), Cold(-)	CLCt	Press the **Warm (+), Cold (-)** button until CLCt appears in the display.
	4. Start	rSPn	Enter the Collect information data.
	5. Warm(+), Cold(-)	xxxx	Move to each data list that you want to check by pressing with **Warm (+)** or **Cold (-)** button.
	6. Start	xxxx	Display the value of selected data list
	7. Hot	CLCt	Move to upper level or Comes back to Idle State

❖ Check the collect information reference to the follow lists. The lists are displayed by abbreviations.

Collect Mode Data lists

No.	Abbreviation	Meaning	Description
1	rgPr	Regular Price	0,00 ~ 10,00
2	rgCP	Regular Delicates Price	0,00 ~ 10,00
3	rgrP	Regular Warm & Cold Price	0,00 ~ 10,00
4	rgHP	Regular Hot Price	0,00 ~ 10,00
5	dELC	Dryer Moisture Sense	0: disable 1: enable
6	ItrC	Interval Regular Cycles	Number of Regular cycles (0~65535)
7	ItCC	Interval Regular Delicates Cycles	Number of Regular Delicate cycles (0~65535)
8	ItAC	Interval Regular Warm & Cold Cycles	Number of Regular Warm & Cold cycles (0~65535)
9	ItHC	Interval Regular Hot Cycles	Number of Regular Hot cycles (0~65535)
10	ItSC	Interval Super Cycles	Number of Super cycles (0~65535) (Washer Only)
11	IttF	Interval Topoff Cycles	Number of Topoff cycles (0~65535) (Dryer Only)
12	ItUC	Interval Service Cycles	Number of Service cycles (0~65535)
13	ItFC	Interval Token Cycles	Number of Token cycles (0~65535)
14	ACrC	Accumulated Regular Cycles	Number of Regular cycles (0~65535)
15	ACCC	Accumulated Regular Delicates Cycles	Number of Regular Delicate cycles (0~65535)
16	ACAC	Accumulated Regular Warm & Cold Cycles	Number of Regular Warm & Cold cycles (0~65535)
17	ACHC	Accumulated Regular Hot Cycles	Number of Regular Hot cycles (0~65535)
18	ACSC	Accumulated Super Cycles	Number of Super cycles (0~65535) (Washer Only)
19	ACtF	Accumulated Topoff Cycles	Number of Topoff cycles (0~65535) (Dryer Only)
20	ACUC	Accumulated Service Cycles	Number of Service cycles (0~65535)
21	ACFC	Accumulated Token Cycles	Number of Token cycles (0~65535)
22	ACrt	Accumulated Run Time	Number of Running minutes (0~65535)
23	Itnr	Interval No Runs	Money inserted, but no run
24	Ittb	Interval Trouble Cycles	No money, but ran
25	ItPd	Interval Power Downs	Number of power down
26	Itdd	Interval Unauthorized Service Door Openings	Number of Unauthorized Service Door Openings (0~255)
27	ItAd	Interval Authorized Service Door Openings	Number of Authorized Service Door Openings (0~255)
28	ItUC	Interval Unauthorized Coin Vault Openings	Number of Authorized Service Door Openings (0~255)
29	ItAC	Interval Authorized Coin Vault Openings	Number of Authorized Coin Vault Openings (0~255)
30	Ittl	Interval Total Income	Amount of money cycle(0 ~ 65535)
31	ACtl	Accumulated Total Income	Amount of money cycle(0 ~ 65535)
32	IttC	Interval Total Cycles	Number of Total cycle(0 ~ 65535)
33	ACtC	Accumulated Total Cycles	Number of Total cycle(0 ~ 65535)
34	SCPr	Super Cycle Price	0,00 ~ 10,00
35	toPr	Top Off Price	0,00 ~ 10,00
36	Itd	Interval Money	Amount of money for regular cycle(0 ~ 65535)
37	Acd	Accumulated Money	Amount of money for regular cycle(0 ~ 65535)
38	ItSd	Interval Superwash Money	Amount of money for superwash cycle(0 ~ 65535)
39	ACSd	Accumulated Superwash Money	Amount of money for superwash cycle(0 ~ 65535)
40	ACdP	Accumulated number of WaveForce operation in cycle	Number of WaveForce operation in cycle(0 ~ 65535)
41	ACtL	Accumulated number of Tub clean operation in cycle	Number of Tub clean operation in cycle(0~65535)

※ Interval Cycles (Interval means Since last data collecting)
※ Accumulated Cycles (Accumulated means Total cycles in washer/dryer's life time not include service cycles or trouble cycles)
※ These items (No. 30~33) are not applied this program
※ Price setting varies by country
※ Set your country from `Loc1` mode (Refer *How to enter the* `t4PE`)
※ After EEPT, reset your country (Default country is EUK)

MAINTENANCE

Care after wash

After the cycle is finished, wipe the door and the inside of the door seal to remove any moisture. Leave the door open to dry the washer tub interior. Wipe the body of the washing machine with a dry cloth to remove any moisture

⚠ WARNING

- **Unplug the washer before cleaning to avoid the risk of electric shock.** Failure to follow this warning can cause serious injury, fire, electrical shock, death.
- **Never use harsh chemicals, abrasive cleaners, or solvents to clean the washer.** They will damage the finish.
- **Do not use volatile substances (benzene, paint thinner, alcohol, acetone, etc.) or detergents with strong chemical components when cleaning the washing machine.** Doing so may cause discoloration or damage to the machine, or it may cause a fire.

Storing the Washer

If the washer will not be used for an extended period of time and is in an area that could be exposed to freezing temperatures:

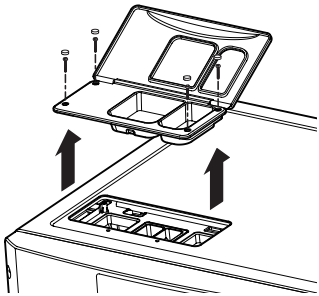
1. Turn off water supply tap.
2. Disconnect hoses from water supply and drain water from hoses.
3. Plug the power cord into a properly grounded electrical outlet.
4. Add 3,8 L of nontoxic recreational vehicle (RV) antifreeze to the empty wash drum. Close door.
5. Select the spin cycle and let washer spin for 1 minute to drain out all the water.
6. Unplug the power cord, dry the drum interior with a soft cloth, and close the door.
7. Remove the inserts from the dispenser. Drain any water in compartments and dry the compartments.
8. Store the washer in an upright position.
9. To remove the antifreeze from the washer after storage, run washer through a complete cycle using detergent. **Do not add laundry!**

NOTE

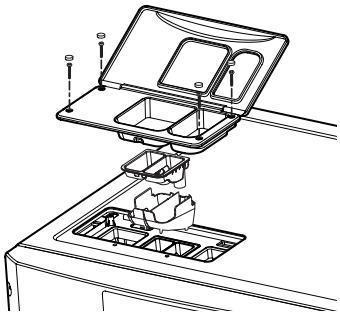
- Not all of the RV antifreeze will be expelled.
- Weekly cleaning of the detergent dispenser will ensure problem free operation.

Cleaning the Dispenser

1. The dispenser should be cleaned periodically to remove buildup from detergent and other laundry products.



2. Remove the inserts from the drawer, and clean them with warm water and a soft cloth or brush to remove any residue or buildup. Wipe out the inside of the drawer opening with a damp cloth. Reassemble the drawer and reinstall in the drawer opening.

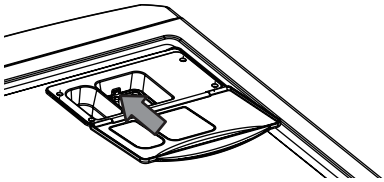


NOTE

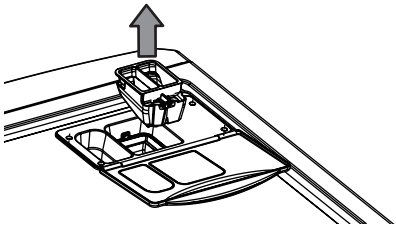
- Do not use anything other than water to clean the drawer, inserts, and drawer opening.

Cleaning the detergent box

1 In order to clean detergent box only, detach it from the machine it by pressing arrow as shown in below image.



2 Detach detergent box and clean with warm water and brush.



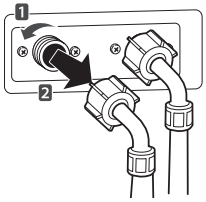
Cleaning the water inlet filters

Clean the water inlet filters periodically to prevent clogging. Take extra care to clean the water inlet filters for areas using hard water. Water may not be supplied if there are foreign objects, such as rust, sand, or stones in the water inlet filters.

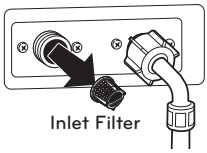
1 Pull out the plug to turn off the washing machine.

2 Turn off the faucets connected with the water inlets.

3 Remove the water inlet hoses.



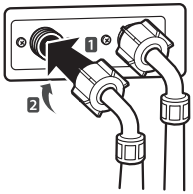
4 Pull out the water inlet filter.



5 Remove foreign objects from the water filter inlet.
- Soak the water filter inlets in white vinegar or a lime scale remover or use a toothbrush to remove foreign objects and rinse thoroughly.

6 Press the water filter inlets back into place.

7 Reattach the water lines to the washing machine.



⚠ WARNING

- **Unplug the power cord and turn off the faucets before cleaning.** Failure to do so may cause electric shock.
- **Do not use the washing machine without the inlet filters.** If you use the washing machine without the inlet filters it will cause leaks and malfunction.
- If you use the washing machine in an area with hard water, the inlet filter may clog due to lime buildup.

NOTE

- `1E` message will blink on the display when the water pressure in the detergent drawer is weak or an inlet filter is clogged with dirt. Clean the inlet filter.

Clean the door seal

Clean the door seal once a month to prevent build-up of dirt in the door seal.

1 Wear rubber gloves and protective goggles.
2 Dilute 3/4 cup (177 ml) of liquid chlorine bleach in 1 gallon (3,8 L) of water.
3 Soak a sponge or a soft cloth in this diluted solution and wipe down all around the door seal.
4 Wipe any moisture with a dry towel or cloth after cleaning.
5 Leave the door open to allow the door seal to dry completely.

⚠ CAUTION

- Cleaning the door seal with an undiluted solution may cause malfunction of the door seal and washing machine parts.

Clean the drum, TUB CLEAN

Using the washing machine in a humid space for a long period of time may lead to a buildup of black mold and germs in the air inside the washer tub and affect your health. If you clean the washer tub regularly on a monthly basis using TUB CLEAN it will keep the washer tub clean for hygienic use.

1 Add tub cleaner or lime scale remover into the detergent dispenser drawer.
   - Do not exceed the maximum detergent limit line when you add it. Detergent may remain in the washer tub after cleaning.
   - When you use liquid chlorine bleach, load it into the liquid chlorine bleach compartment. When you use a powdered cleaner, add it into the main wash detergent compartment.
   - When you use cleaning tablets, place them directly into the washer tub. (Do not add cleaning tablets to the drawer.)
2 Do operate tub clean. (please refer to 146 page about tub)

NOTE

- Never load laundry while using TUB CLEAN. The laundry may damage or become contaminated.
  Make sure to clean the washer tub when it is empty.
- Leave the door open after finishing the laundry to keep the tub clean.
- TUB CLEAN should be repeated monthly.
- Safely and conveniently secure the door slightly ajar with a magnetic door plunger. This will promote air circulation and allow the interior of the machine to dry.

NOTE

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ERROR MODE

Meaning of Error Codes that LED displays during occurrence of problem.

Problem	Possible Cause	Solution
	• Water supply is not adequate in area. • Water supply taps are not completely open. • Water inlet hose is bent. • The filter of the inlet hose clogged.	Check another tap in the house. Fully open tap. Straighten hose. Check the filter of the inlet hose.
	• Drain hose is bent or clogged. • The drain filter is clogged.	Clean and straighten the drain hose. Clean the drain filter.
	• Load is too small. • Load is out of balance. • The appliance has an imbalance detection and correction system. If individual heavy articles are loaded (bath mat, bath robe, etc.) and the imbalance is too great, after several attempts to restart the spin cycle the machine will stop and the error code will be displayed.	Add 1~2 similar items to help balance the load. Rearrange load to allow proper spinning.
	• Is the door opened or not completely closed?	Close the door completely. * If it will not open, call for service.
	• Door lock is broken.	Check the door switch.
	• The water overfills due to a faulty water valve.	Close the water tap. Unplug the power plug. Call for service.
	• The water level sensor malfunction.	
	• Overload in motor.	Restart the cycle after 30 minutes. If  is not released, call for service.
	• Disconnection of card reader cable.	Check the card reader wire.
	• Too much detergent is used.	This is not an error. It indicates a suds removal routine. It will clear and restart the cycle when the suds are gone.
	• Emergency stop button is pressed.	Release the emergency button.
	• Thermistor is opened or shorted.	Thermistor should be replaced.
	• Malfunction in Heater system.	Check the heater and wire.

POWER FAIL RECOVERY

In case of power failure, the machine stops running but the time display remains on, showing the time just before power failure.

DEFAULT WASHER SETTINGS

Default Settings	Default
Wash Time (Minutes)	9 Minutes
Rinse Time (Minutes)	18 Minutes
Spin Time (Minutes)	10 Minutes
Rinsing times	Twice
Coin #1 Value	10
Coin #2 Value (kiosk)	10
Vend Price	2,00
Add super wash price	0,50
Top Spin speed	980 rpm

SPECIFICATIONS

Model	
Name	Front-loading Washing Machine
Power supply	220-240 V~, 50 Hz
Size	73,7 cm (W) X 81,4 cm (D) X 103,6 cm (H), 137 cm (D with door open) 29”(W) X 32”(D) X 40,8”(H), 53”(D with door open)
Weight	223,1 lbs. (101,2 kg)
Wash capacity	15 kg
Spin speed	980 rpm max.
Permissible water pressure	1,0 – 8,0 kgf/cm² (0,1~0,8 MPa)

NOTE

- Specifications subject to change by manufacturer.
- Price setting varies by country
- Set your country from LOC1 mode (Refer *How to enter the* TYPE)
- After EEPT, reset your country (Default country is EUK)

MEMO


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