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.

CWG27MDQRS CWG27MSQRS

EN ENGLISH



MFL71671206
Rev.01_101520

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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.

Laundry Lounge Apps

– Laundry Lounge Installer : This is a registration app for installers used to register the product on the server. Only available for authorized users.

* Search for **Laundry Lounge Installer** in the Google Play Store or Apple App Store.

– Laundry Lounge : This is for end-users to check real-time monitoring of registered stores and products.

* Search for **Laundry Lounge** in the Google Play Store or Apple App Store.

SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance.

The guidelines are separated into ‘WARNING’ and ‘CAUTION’ as described below.

Safety Messages

This symbol is displayed to indicate matters and operations that can cause risk. Read the part with this symbol carefully and follow the instructions in order to avoid risk.

WARNING

This indicates that the failure to follow the instructions can cause serious injury or death.

CAUTION

This indicates that the failure to follow the instructions can cause the minor injury or damage to the product.

WARNING

⚠ WARNING

To reduce the risk of explosion, fire, death, electric shock, injury or scalding to persons when using this product, follow basic precautions, including the following:

Technical Safety

- 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.

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.

- Children should be supervised to ensure that they do not play with the appliance.
- If the power cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Use a new hose or hose-set supplied with the appliance. Reusing old hoses can cause a water leak and subsequent property damage.
- Ventilation openings must not be obstructed by a carpet.
- The inlet water pressure must be between 0.1 MPa and 1.0 MPa.

Maximum Capacity

- The maximum capacity in some cycles for dry clothes to be washed is 13 kg.

Installation

- Never attempt to operate the appliance if it is damaged, malfunctioning, partially disassembled, or has missing or broken parts, including a damaged cord or plug.
- This appliance should only be transported by two or more people holding the appliance securely.
- Do not install the appliance in a damp and dusty place. Do not install or store the appliance in any outdoor area, or any area that is subject to weathering conditions such as direct sunlight, wind, rain, or temperatures below freezing.
- Do not install the product in a laundry factory environment.
- This appliance is not designed for maritime use or for mobile installations such as in RVs, aircraft, etc.
- Make sure the power plug is completely pushed into the power outlet.
- Do not plug the appliance into multiple outlet sockets, power boards, or an extension power cable.
- Do not modify the power plug provided with the appliance. If it does not fit the power outlet, have a proper outlet installed by a qualified electrician.

- This appliance is equipped with a power cord having an equipmentearthing / grounding conductor (earthing pin) and a grounding power plug. The power plug must be plugged into an appropriate outlet socket that is installed and earthed / grounded in accordance with all local codes and ordinances.
- Improper connection of the equipment-grounding conductor can result in risk of electric shock. Check with a qualified electrician or service personnel if you are in doubt as to whether the appliance is properly grounded.
- This appliance must not be installed behind a lockable door, a sliding door or a door with a hinge on the opposite side to that of the appliance, in such a way that a full opening of the appliance door is restricted.

Operation

- Do not apply any sharp objects to the control panel in order to operate the appliance.
- Do not attempt to separate any panels or disassemble the appliance.
- Do not repair or replace any part of the appliance. All repairs and servicing must be performed by qualified service personnel unless specifically recommended in this Owner's Manual. Use only authorized factory parts.
- Do not push down the door excessively, when the appliance door is open.
- Do not put animals, such as pets into the appliance.
- Do not wash rugs, mats, shoes or pet blankets, stuffed toys, or any other items other than clothes or sheets, in this machine.
- Keep the area underneath and around the appliance free of combustible materials such as lint, paper, rags, chemicals, etc.
- Do not leave the appliance door open. Children may hang on the door or crawl inside the appliance, causing damage or injury.

- Do not put in, wash or dry articles that have been cleaned in, washed in, soaked in, or spotted with combustible or explosive substances (such as waxes, wax removers, oil, paint, gasoline, degreasers, drycleaning solvents, kerosene, petrol, spot removers, turpentine, vegetable oil, cooking oil, acetone, alcohol, etc.). Improper use can cause fire or explosion.
- Do not use or store flammable or combustible substances (ether, benzene, alcohol, chemical, LPG, combustible spray, gasoline, thinner, petroleum, insecticide, air freshener, cosmetics, etc.) near the appliance.
- Never reach into the appliance while it is operating. Wait until the drum has completely stopped.
- Do not touch the door during a high temperature programme.
- Turn off water taps to relieve pressure on hoses and valves and to minimize leakage if a break or rupture should occur. Check the condition of the fill hoses; they should be replaced after 5 years.
- If there is a gas leakage (isobutane, propane, natural gas, etc.) within the launderette, do not touch the appliance or power plug and ventilate the area immediately.
- If the drain hose or inlet hose is frozen during winter, use it only after thawing.
- Keep all washing detergents, softener and bleach away from children.
- Do not touch the power plug or the appliance controls with wet hands.
- Do not bend the power cable excessively or place a heavy object on it.
- Avoid touching any water that is drained from the appliance during the wash.
- Make sure that drainage is working properly. If water is not drained properly, your floor may get flooded.
- When the air temperature is high and the water temperature is low, condensation may occur and thus wet the floor.
- Wipe off dirt or dust on the contacts of the power plug.

Maintenance

- Disconnect the appliance from the power supply before cleaning the appliance. Setting the controls to the OFF or stand by position does not disconnect this appliance from the power supply.
- Securely plug the power plug in the outlet socket after completely removing any moisture and dust.
- Do not spray water inside or outside the appliance to clean it.
- Never unplug the appliance by pulling on the power cable. Always grip the power plug firmly and pull straight out from the outlet socket.
- Do not repair or replace any part of the appliance 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.

Disposal

- Before discarding an old appliance, unplug it. Cut off the cable directly behind the appliance to prevent misuse.
- Dispose of all packaging materials (such as plastic bags and styrofoam) away from children. The packaging materials can cause suffocation.
- Remove the door before disposing of or discarding this appliance to avoid the danger of children or small animals getting trapped inside.

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This manual is subject to revision by the manufacturer.

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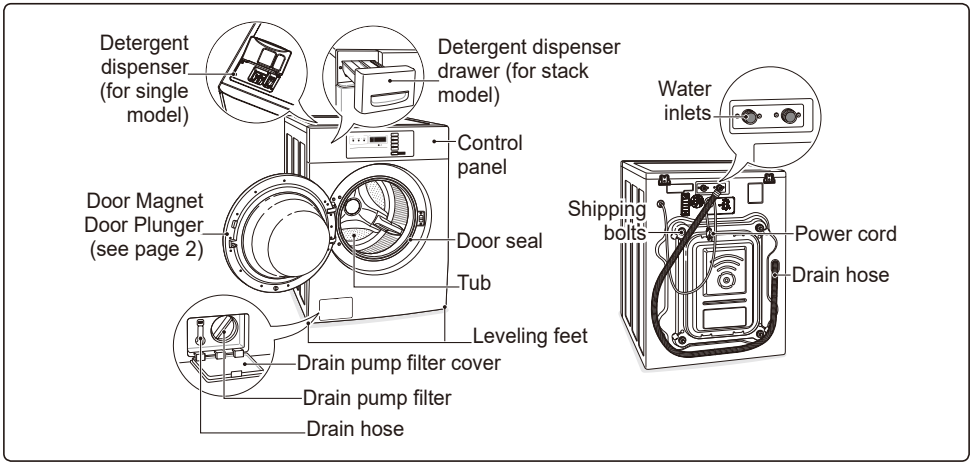
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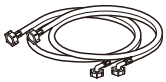
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PARTS AND ACCESSORIES

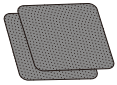
Parts



Accessories



Hot and Cold Water Hoses



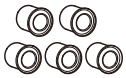
Non-skid pads



Caps (4) (for covering shipping bolt holes)



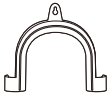
Wrench (for removing shipping bolts and adjusting leveling feet)



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



Tie Strap (for securing drain hose)



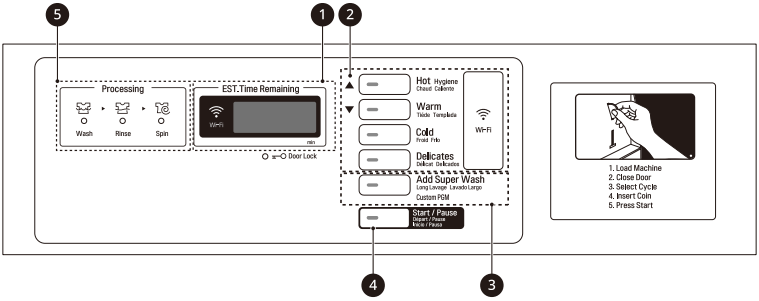
Elbow Bracket (for securing drain hose)



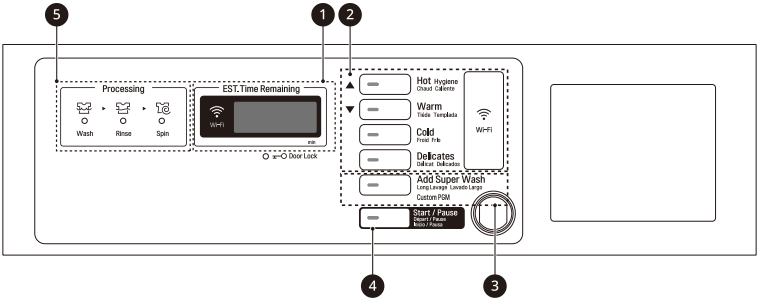
OPL sheet (only for OPL type)

CONTROL PANEL FEATURES

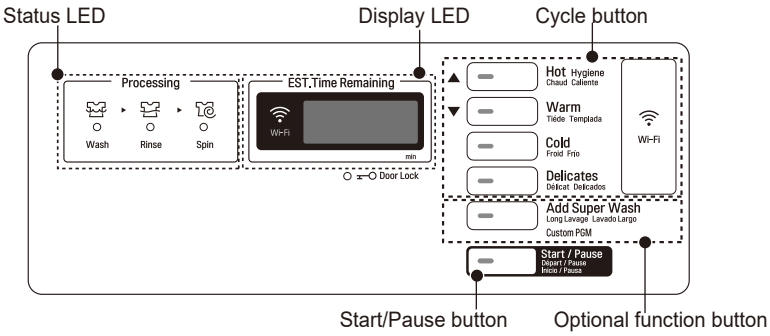
Coin type (CWG27MSQRS)



Coin type (CWG27MDQRS)



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



Display LED

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



Cycle Buttons

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

Hot

Use this cycle for heavily soiled loads.

Hygiene

Use this cycle to reduce laundry bacteria by using heater.

Warm

Use this cycle for loads with moderately heavy soil.

Cold

Use this cycle for loads with normal soil.

Delicates

Use this cycle to wash sensitive fabrics that can be easily damaged.

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 Spinning cycle is in operation.
Door Lock	LED flashes whenever the door lock is activated.
Wi-Fi	LED flashes when the Wi-Fi is connecting. LED stays lit when the Wi-Fi is connected.

INSTALLATION INSTRUCTIONS

Checking and choosing the proper location

Install the washing machine on a solid concrete cement 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.

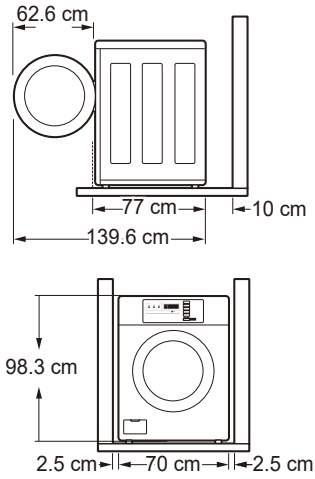
NOTE

- This appliance is intended to be used in areas for communal use or in launderettes only and not in household applications.
- Be sure to allow for wall, door, or floor moldings that may increase the required clearances.

⚠ WARNING

- Certain internal parts are intentionally not grounded and may present a risk of electric shock only during servicing. Service personnel - Do not contact the following parts while the appliance is energized: pump, valve, motor, control board.

Installing on a floor



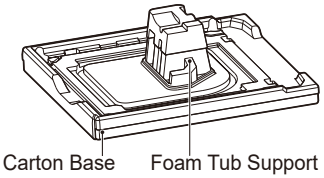
NOTE

- 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.

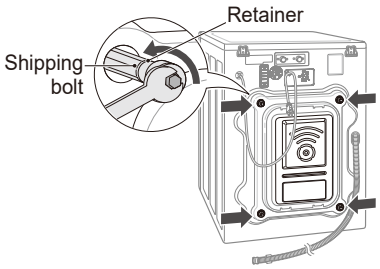
Unpacking and removing shipping bolts

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.

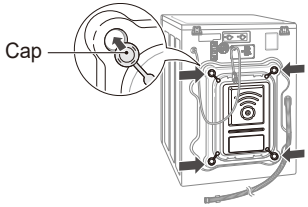
DO NOT lay the washer on its front or back.



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

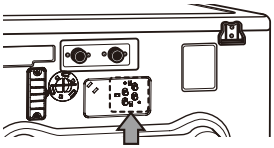
- Save the bolt assemblies for future use. To prevent damage to internal components, DO NOT transport the washer without reinstalling the shipping bolts.
- Failure to remove shipping bolts and retainers may cause severe vibration and noise, which can lead to permanent damage to the washer. The cord is 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 (4 pieces) into hose connect in back of the machine.



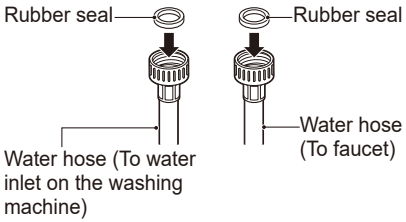
NOTE

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

Connecting the water lines

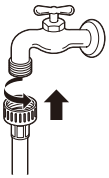
1 Check the rubber seals on both sides of the hose.

– 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.

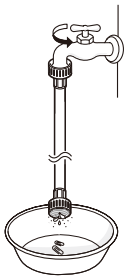
– Connect the blue hose to a cold water faucet and the red hose to a hot water faucet.



WARNING

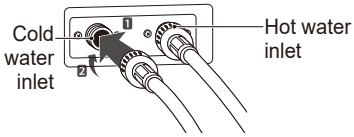
- **Do not overtighten.** Damage to the coupling can result.

3 After connecting inlet hose to water faucets, turn on the water faucets to flush out foreign substances (dirt, sand, 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 10.0 kgf/cm² (0.1~1.0 MPa). If the water supply pressure is more than 10.0 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.

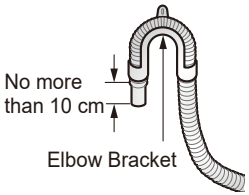
NOTE

- The drain hose should be properly secured. Failure to properly secure the drain hose can result in flooding and malfunction.
- Total height of the hose end should not exceed 100.0 cm from the bottom of the washer.
- 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.

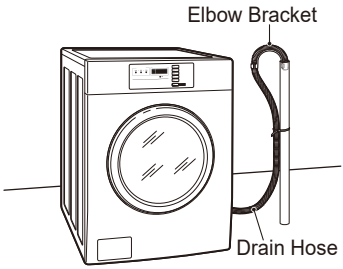
Using a standpipe

1 Clip the end of the hose into the elbow bracket.

– Connect the elbow bracket within 10 cm from the end of the drain hose. If the drain hose is extended more than 10 cm beyond the end of the elbow bracket, mold or microorganisms could spread to the inside of the washer.



2 Insert the end of the drain hose into the standpipe.

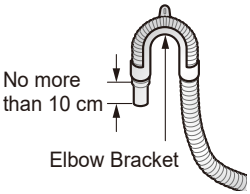


3 Use a tie strap to secure the drain hose in place.

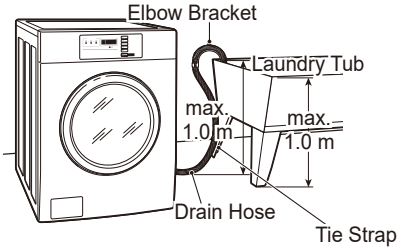
Using a laundry tub

1 Clip the end of the hose into the elbow bracket.

– Connect the elbow bracket within 10 cm from the end of the drain hose. If the drain hose is extended more than 10 cm beyond the end of the elbow bracket, mold, or microorganisms could spread to the inside of the washer.

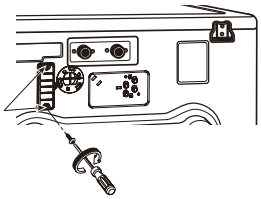


2 Hang the end of the drain hose over the side of the laundry tub.



3 Use a tie strap to secure the drain hose in place.

Connecting the auto dosing



1 Unscrew the 2 screws on the protective cover and remove the cover.

2 Connect the auto dosing harness from Accessory parts.

NOTE

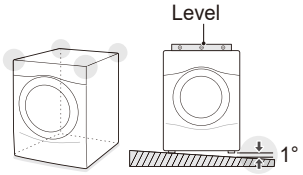
- The voltage of the auto dosing machine should be the same as the washer's voltage.

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.

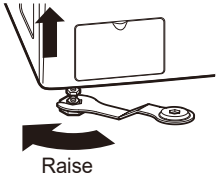
1 Check the washing machine's level.

– 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.

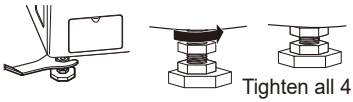


2 Turn the lower leveling feet clockwise to level the washing machine.

– 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 ibration 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.

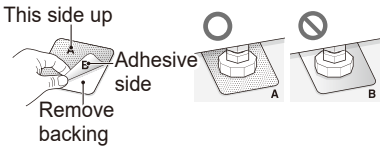
1 Clean the floor to attach the non-skid pads.

– 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.
- 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 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

How to wash better

It is recommended to follow the below guide for better wash performance.

Load Type	Recommended Capacity	How to Wash Better
Everyday Clothes	**Less Than 10kg**	Frontload washers use dropping action for wash performance. Therefore, it is better to NOT fully load the drum. Oversudsing also prevents efficient wash performance.
Blanket	**Less Than 7kg**	Do not use 2 blankets with big differences in size. It may not extract properly. Use similar-sized blankets.
Bed Sheets	**Less Than 7kg**	Any Bleach (When Needed)
Carpet/Rug	**Do Not Use**	Only Non-Chlorine Bleach (When Needed)
Footwear	**Do Not Use**	Do Not Bleach
Pillow	**Do Not Use**	

Laundry loading guide

Loading your laundry following the below guide will help to increase the lifetime and wash performance of the washer



- Single items or mixed items that include large items should be less than half of the maximum capacity(dry condition).
  - Single items : Consists only of one type of garment, such as 5kg of towel.
  - Mixed items : Consists of various types of garments.
  - Large item : bed linen/sheet, bath sheet, bath towel, and blanket.
    - Mixed items (without large items) should only be loaded up to 2/3 of the drum for optimal performance.

NOTE

- Do not overload as this reduces cleaning efficiency and causes gasket wear.

About the dispenser

The automatic dispenser consists of three compartments which hold:

- Liquid chlorine bleach.
- Liquid fabric softener.
- Liquid and powdered detergent and colorsafe 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

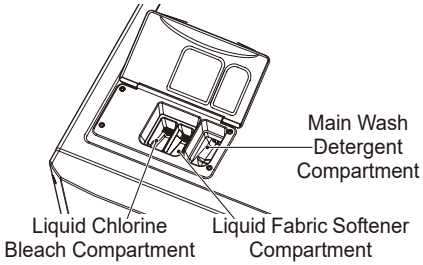
This compartment holds laundry detergent for the main wash cycle, which is added to the load at the beginning of the cycle.

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.

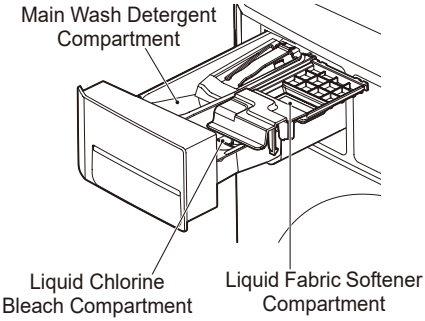
NOTE

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

- Single model -



- Stack model -



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.
- Do not add the fabric softener sheets to this compartment.
- Do not add 'fabric sheet softener' into the dispenser draw as it is likely to cause water to leak out. If 'fabric sheet softener' has been added, please pull out the dispenser draw and remove.

OPERATING YOUR WASHER

1 Ready mode

– All types of machines show ‘PUSH’

NOTE

- Price setting varies by country
- Set your country from Loc1 mode
- After EEPT, reset your country (Default country is EUK)

2 Select the cycle

Press the desired button and the display will show you the price of the cycle.(You cannot change the cycle while the machine is running.)

- **Add Super Wash** (Optional, only in Coin/Card type)Wash time or rinse cycle can be added when additional coin is inserted, or a valid cash card is entered.
- **Select cycles designed for different types of fabric and soil levels.**

CYCLE	Fabric type	Wash/Rinse Temp.
Hot, Hygiene	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

NOTE

- When the card balance is insufficient, machine displays bAL and the card balance.

3 Insert Coin/Card (Not for OPL type)

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

4 Change cycle

You can not change the cycle while the machine is running.

5 Cycle finish

The machine stops and the display shows ‘End’ with beep sound.

* Do not work any button 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:

- **Coin type** – Turn on/off the toggle switch.
- **Card type** – Insert the service card.
- **All types** –

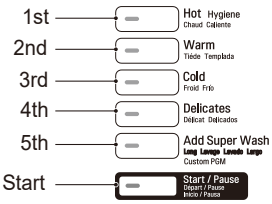
1 Press the 1st & 3rd button at the same time. 0-1--

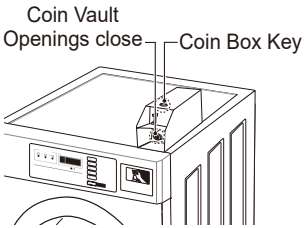
2 Press the 2nd & 3rd buttons to toggle numbers. Then, press the 4th button to move to the next digit. -0--

3 Press the Start button to finish password input. L90d

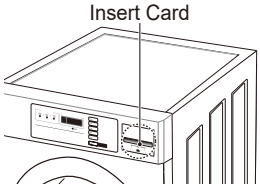
* Default Password : 3000

<Control Panel Button>

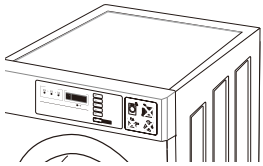




- coin type -



- card type -



- OPL type -

NOTE

- If you turn on the power without connecting meter case for the first time, the machine display L9C1.
- 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)

Structure of Programming mode – Card / Coin type

Algorithm flow chart shows how to control the programming mode.

Before program set, check the structure of the 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.

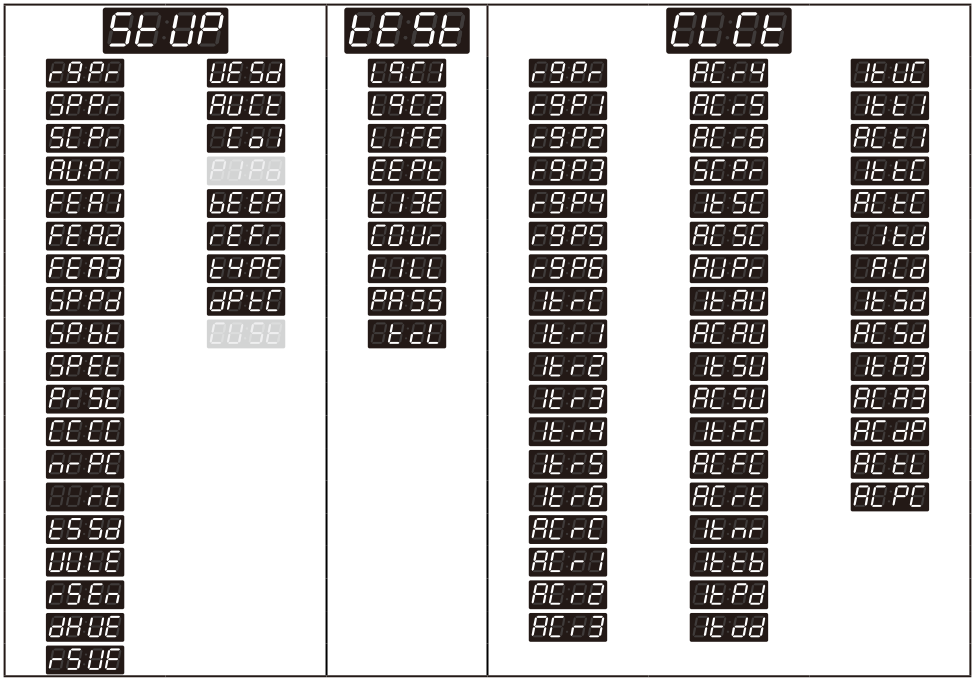
3 Press Warm (+) or Cold (-) button if you want to be at the same level.

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.



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)
- PIPo This function is for Card type only.
- After EEPT, reset your country (Default country is EUK)

Structure of Programming mode – OPL type

Algorithm flow chart shows how to control the programming mode.
Before program set, check the structure of the 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.

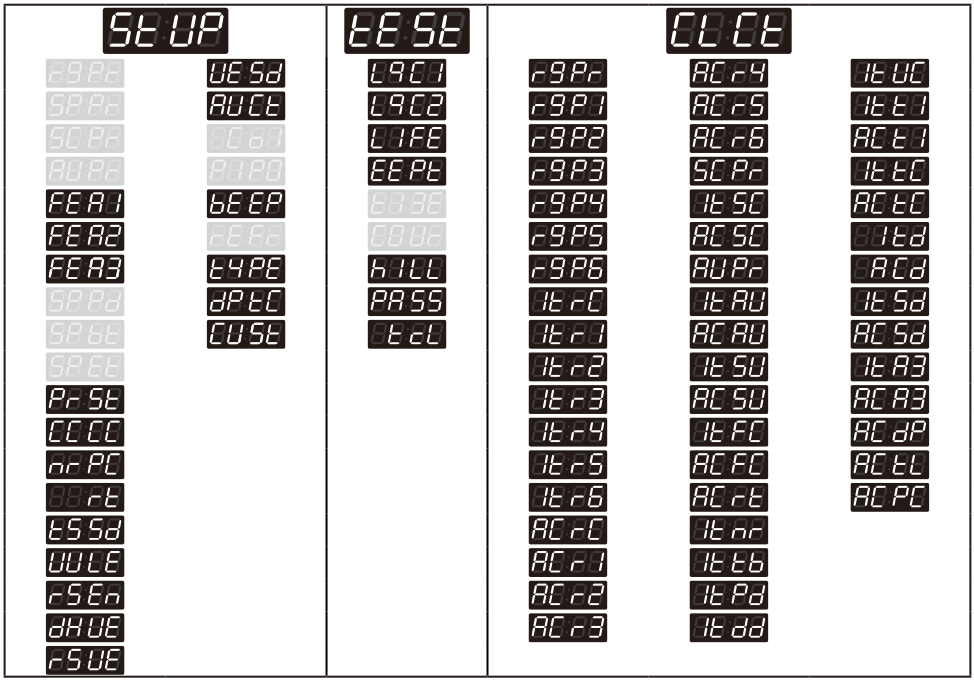
3 Press Warm (+) or Cold (-) button if you want to be at the same level.

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.



NOTE

- Do not use t9C2, LIFE. (It is used only in inspecting the machine.)

PROGRAMING MODE – SETUP MODE

Setup Mode : SEtUP (display)

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

How to enter Programming mode:

- **Coin type** – Turn on/off the toggle switch.
- **Card type** – Insert the service card.
- **All types** –

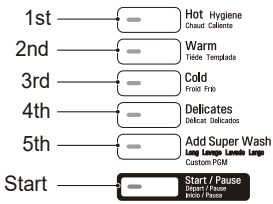
1 Press the 1st & 3rd button at the same time. 0---

2 Press the 2nd & 3rd buttons to toggle numbers. Then, press the 4th button to move to the next digit. -0--

3 Press the Start button to finish password input. L9C1

* Default Password : 3000

<Control Panel Button>



1. r9Pr Regular Price Setup

How to set regular prices for all/each course.

Regular Price Setup		Display
Enter SVC mode		L9C1
Press 1st button		tESt
Press 2nd button		SEtUP
Press start button		r9Pr
Press 2nd button or 3rd button	Until display shows	r9Pr
Press start button		ALL
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	Start button to select : ➡ 1st button to go back a step : ➡ SEtUP ▶ r9Pr ▶ ALL ▶ 2:00 COS1 COS2 2nd button move up : ➡ COS3 3rd button move to down : ➡ COS4 COS5 COS6	
Press Start to set the price	The next course setting will be displayed.	COS1

NOTE

- Range : 0.00~10.00
- Increments : 0.1
- ALL is to select the default prices for all the courses at once.
- Select individual price for COS1~6.
- COS1 : Hot
- COS2 : Warm
- COS3 : Cold
- COS4 : Delicates
- COS5, COS6 : Heater model only

* Individual course prices are prioritized above ALL.

– Set your currency type using Loc1

2. SPPr Special Price Setup

How to set special prices for all/each course.

Special Price Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		rSPr
Press 2nd button or 3rd button	Until display shows	SPPr
Press start button		ALL
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ SPPr ▶ ALL ▶ 0.00 COS1 COS2 COS3 COS4 COS5 COS6	
Press Start to set the price	The next course setting will be displayed.	COS1

NOTE

- Range : 0.00~10.00
- Increments : 0.1
- ALL is to select the default prices for all the courses at once.
- Select individual price for COS1~6.
- COS1 : Hot
- COS2 : Warm
- COS3 : Cold
- COS4 : Delicates
- COS5, COS6 : Heater model only

* Individual course prices are prioritized above ALL.

– Set your currency type using LocI

3.SCPr Add Super Wash Price Setup

How to set Add Super Wash Price.

*** Add Super Wash is used to add extra wash, rinse, or both (only in Pay type).**

Add Super Wash Price Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		PAPA
Press 2nd button or 3rd button	Until display shows	SCPr
Press start button		0.50
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ SCPr ▶ 0.50	
Press Start to set the price	The next menu setting will be displayed.	AUPr

NOTE

- Range : 0.00~10.00
- Increments : 0.1
  - Set your currency type using LOC1

4.AUPr Auto Dosing Price Setup

How to set Auto Dosing Price.

*** Auto dosing is used to inject detergent/chemicals using external pumps (only in Pay type).**

Auto Dosing Price Setup		Display
Enter SVC mode		LANG
Press 1st button		tEST
Press 2nd button		SEUP
Press start button		PAPr
Press 2nd button or 3rd button	Until display shows	AUPr
Press start button		0.50
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ AUPr ▶ 0.50	
Press Start to set the price	The next menu setting will be displayed.	FEA1

NOTE

- Range : 0.00~10.00
- Increments : 0.1
  - Set your currency type using Loc1

5.FEA1 Features of the Machine (1st Set)

How to set up Features of the Machine. There are multiple setup features under FEA1.

Features of the Machine (1st Set)		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		rSEr
Press 2nd button or 3rd button	Until display shows	FEA1
Press start button		SPdE
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ FEA1 ▶ SPdE, PA4H, 3rPL, tEIn, PAUS	
Press Start to set sub-function		

NOTE

SPdE : Special price day enable or disable

PA4H : Easy entry payment cycle kill enable or disable

3rPL : Maximum rpm limit enable or disable

tEIn : Twin spray enable or disable

PAUS : Pause function enable or disable

5-1. SPdE Special Price Day Setup

Special Price Day Setup can be used to enable/disable the use of special prices.

Special Price Day Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		rOOr
Press 2nd button or 3rd button	Until display shows	FEA1
Press start button		SPdE
Press start button		dISb
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ FEA1 ▶ SPdE ▶ dISb / EnAb	
Press Start to enable or disable	The next menu setting will be displayed.	PA4h

5-2.PA4h Easy Entry Payment Cycle Kill Setup

Easy entry cycle kill can be enabled or disabled in the payment cycle

Easy Entry Payment Cycle Kill Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		r9Pr
Press 2nd button or 3rd button	Until display shows	FEA1
Press start button		SPdE
Press 2nd button or 3rd button	Until display shows	PA4h
Press start button		d1Sb
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ FEA1 ▶ PA4h ▶ d1Sb / EnAb	
Press Start to enable or disable	The next menu setting will be displayed.	3rPL

NOTE

d1Sb Shortcut key not available

EnAb Shortcut key available

- Shortcut key : Press and hold the start button for at least 3 seconds.

5-3. 3rPL Max RPM Limit Setup

Max RPM Limit Setup can be used to enable/disable the ability to limit the max RPM during spin process.

Max RPM Limitation Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		rSPr
Press 2nd button or 3rd button	Until display shows	FEA1
Press start button		SPdE
Press 2nd button or 3rd button	Until display shows	3rPL
Press start button		dISb
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ FEA1 ▶ 3rPL ▶ dISb / EnAb	
Press Start to enable or disable	The next menu setting will be displayed.	tEMn

NOTE

If enabled, the max RPM will adjust according to the laundry load.

Max RPM will be reduced for highly unbalanced loads.

5-4. tE1n Twin Spray Setup

Twin Spray Setup can be used to enable/disable water circulation during tumble.

Twin Spray Setup		Display
Enter SVC mode		LOCK
Press 1st button		tEST
Press 2nd button		SEtUP
Press start button		rOOr
Press 2nd button or 3rd button	Until display shows	FEA1
Press start button		SPdE
Press 2nd button or 3rd button	Until display shows	tE1n
Press start button		dISb
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEtUP ▶ FEA1 ▶ tE1n ▶ dISb / EnAb	
Press Start to enable or disable	The next menu setting will be displayed.	PAUS

NOTE

For better wash performance, twin spray pumps up water from the bottom of the tub to spray soapy water on laundry while tumbling.

5-5. PAUS Pause Function Setup

Pause Function Setup can be used to enable/disable the ability to pause the cycle when pressing the start/pause button.

Pause Function Setup		Display
Enter SVC mode		LOCA
Press 1st button		tEST
Press 2nd button		SEUP
Press start button		rOPr
Press 2nd button or 3rd button	Until display shows	FEA1
Press start button		SPdE
Press 2nd button or 3rd button	Until display shows	PAUS
Press start button		EnAb
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ FEA1 ▶ PAUS ▶ EnAb / diSb	
Press Start to enable or disable	The next menu setting will be displayed.	SPdE

6.FEA2 Features of the Machine (2nd Set)

How to set up features of the machine. There are multiple setup features under FEA2.

Features of the Machine (2nd Set)		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		rSAr
Press 2nd button or 3rd button	Until display shows	FEA2
Press start button		SbtN
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ FEA2 ▶ SbtN SUUE AUtE SPCt tcoP tcHt tcbt	

NOTE

SbtN : 5th button fuction select (Add super wash or Auto dosing charging)

SUUE : Add super wash enable or disable

AUtE : Auto dosing function enable or disable

SPCt : Add super wash type

tcoP : Tub clean load detection enable or disable

tcHt : Tub clean heater usage enable or disable

tcbt : Tub clean easy entry function enable or disable

6-1.5btn 5th Button Type Setup

5th Button Type Setup can be used to set the function of the 5th button.

5th Button Type Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		r9Pr
Press 2nd button or 3rd button	Until display shows	FEA2
Press start button		5btn
Press 2nd button or 3rd button	Until display shows	AddS
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ FEA2 ▶ 5btn ▶ AddS / Auto	
Press Start to set sub-fuction	Display returns to standby mode.	

NOTE

Setting to AddS will make the 5th button function as Add Super Wash.

Setting to Auto will make the 5th button function as payment for auto dosing.

6-2. SUUE Add Super Wash Setup

Add Super Wash Setup can be used to enable/disable the super wash function.

*** Add Super Wash is used to add extra wash, rinse, or both (only used in Pay type).**

Add Super Wash Setup		Display
Enter SVC mode		
Press 1st button		
Press 2nd button		
Press start button		
Press 2nd button or 3rd button	Until display shows	
Press start button		
Press 2nd button or 3rd button	Until display shows	
Press start button		
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ FEA2 ▶ SUUE ▶ EnAb / diSb	
Press Start to enable or disable	The next menu setting will be displayed.	

6-3. AUTE Auto Dosing Setup

Auto Dosing Setup can be used to enable/disable the Auto dosing function.

Auto Dosing Setup		Display
Enter SVC mode		CAL1
Press 1st button		TEST
Press 2nd button		SETUP
Press start button		rSPn
Press 2nd button or 3rd button	Until display shows	FEA2
Press start button		SbtA
Press 2nd button or 3rd button	Until display shows	AUTE
Press start button		EnAb
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SETUP ▶ FEA2 ▶ AUTE ▶ EnAb / diSb	
Press Start to enable or disable	The next menu setting will be displayed.	SPCt

6-4. SPCt Add Super Wash Type Setup

Add Super Wash Type Setup can be used to add extra wash cycle, rinse cycle, or both.

Add Super Wash Type Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		rOPr
Press 2nd button or 3rd button	Until display shows	FEA2
Press start button		SbtA
Press 2nd button or 3rd button	Until display shows	SPCt
Press start button		both
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ FEA2 ▶ SPCt ▶ both / rOPr / UOLt	
Press Start to set sub-fuction	The next menu setting will be displayed.	tcoP

NOTE

both : Both (Increase wash time and rinse once more)

UOLt : Increase wash time

rOPr : Rinse once more

6-5. tcoP Tub Clean Load Detection Setup

Tub Clean Load Detection Setup can be used to enable/disable the ability to detect laundry load during tub clean. If enabled, the washer will detect whether or not a load is present in the washer.

Tub Clean Load Detection Setup		Display
Enter SVC mode		4CAI
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		rgPr
Press 2nd button or 3rd button	Until display shows	FEA2
Press start button		SbtA
Press 2nd button or 3rd button	Until display shows	tcoP
Press start button		EnAb
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ FEA2 ▶ tcoP ▶ EnAb / diSb	
Press Start to enable or disable	The next menu setting will be displayed.	tcHt

6-6. tcHt Tub Clean Heater Setup

Tub Clean Heater Setup can be used to enable/disable the ability to use the heater during tub clean. If enabled, the heater will be used for the tub clean.

Tub Clean Heater Setup		Display
Enter SVC mode		LOCK
Press 1st button		TEST
Press 2nd button		SETUP
Press start button		rSPr
Press 2nd button or 3rd button	Until display shows	FEA2
Press start button		Sbtn
Press 2nd button or 3rd button	Until display shows	tcHt
Press start button		dISb
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SETUP ▶ FEA2 ▶ tcHt ▶ dISb / EnAb	
Press Start to enable or disable	The next menu setting will be displayed.	tcbt

6-7. tcbt Tub Clean Button Setup

Tub Clean Button Setup can be used to enable/disable the easy entry function for the new tub clean

Tub Clean Button Setup		Display
Enter SVC mode		LOCA
Press 1st button		tEST
Press 2nd button		SEUP
Press start button		rOPn
Press 2nd button or 3rd button	Until display shows	FEA2
Press start button		SbtN
Press 2nd button or 3rd button	Until display shows	tcbt
Press start button		EnAb
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ FEA2 ▶ tcbt ▶ EnAb / diSb	
Press Start to enable or disable	The next menu setting will be displayed.	SbtN

NOTE

diSb Shortcut key not available

EnAb Shortcut key available (Press and hold 1st and 2nd button in same time)

7.FEA3 Features of the Machine (3rd Set)

How to set up features of the machine. There are multiple setup features under FEA3.

Features of the Machine (3rd Set)		Display
Enter SVC mode		LOCK
Press 1st button		tEST
Press 2nd button		SETUP
Press start button		rSPn
Press 2nd button or 3rd button	Until display shows	FEA3
Press start button		STtE
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEtUP ▶ FEA3 ▶ STtE SPon itCL 93od HYCS	

NOTE

STtE : Spin type

SPon : Spin only easy entry function enable or disable

itCL : Initial tub clean enable or disable

93od : quick mode enable or disable

HYCS : Hygiene Course enable or disable

7-1. STEE Spin Type Setup

Spin Type Setup can be used to select spin type between multi-housing type and coin laundry type.

Spin Type Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		rOPr
Press 2nd button or 3rd button	Until display shows	FEA3
Press start button		STEE
Press start button		3ULE
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ FEA3 ▶ STEE ▶ 3ULE / LAUn	
Press Start to set spin type	The next menu setting will be displayed.	SPon

NOTE

3ULE Vibration is lower than Coin type, but spin entry time may be longer. This setting is recommended for locations with bad flooring conditions, such as apartments or dormitories.

LAUn Vibration is higher than Multi type, but spin entry time will be shorter. This setting is recommended for locations with good flooring conditions, such as laundromats.

- Long spin entry time means an increase in total cycle time.

7-2. SPon Spin Only Easy Entry Setup

Spin Only Easy Entry Setup can be used to enable/disable the easy entry function for the spin only.

Spin Only Button Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		rSEr
Press 2nd button or 3rd button	Until display shows	FEA3
Press start button		SIEE
Press 2nd button or 3rd button	Until display shows	SPon
Press start button		EnAb
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ FEA3 ▶ SPon ▶ EnAb / diSb	
Press Start to enable or disable	The next menu setting will be displayed.	ItCL

NOTE

- In the case when the washer completes a cycle but the clothes are still very wet, the spin only feature will be activated and ready for use.
- This condition is based on the program of the machine, in some cases it may not be available. Even if the spin only is not available to the customer after a load, it does not mean the washer requires service.

7-3. How to use Spin only easy entry

When the washer completes a cycle but the clothes are still very wet, please run a spin only cycle using the easy entry function.

Spin only easy entry		Display
Press and hold 5th button for at least 3 seconds.	Display shows SP In if the function is activated.	
Press start button	Display will show the remaining time and the Spin only cycle starts.	
	When the Spin only cycle is finished, End is displayed with beeping.	
	Go back to ready mode.	

NOTE

- There will be no visible indication even when the Spin Only Easy Entry function becomes activated. The machine will be in ready/idle mode.
  - – PAY type: Price is displayed.
  - – FrEE type: PUSH is displayed.

7-4. ItCL Pre clean button setup

Pre clean button setup can be used to enable/disable button that entry a short tub wash cycle.

Pre Clean Button Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		rOOr
Press 2nd button or 3rd button	Until display shows	FEA3
Press start button		SItE
Press 2nd button or 3rd button	Until display shows	ItCL
Press start button		diSb
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ FEA3 ▶ ItCL ▶ diSb / EnAb	
Press Start to enable or disable	The next menu setting will be displayed.	93dd

7-5. How to use Pre clean

When the customer or manager want to use short wash the tub before the cycle, please run a pre clean cycle.

Pre clean easy entry		Display
Press and hold 1st button for at least 3 seconds.	Display shows 88:3 if the function is activated.	
Press start button	Display will show the remaining time and the Spin only cycle starts.	
	When the Spin only cycle is finished, End is displayed with beeping.	
	Go back to ready mode.	

NOTE

- There will be no visible indication even when the Pre clean becomes activated. The machine will be in ready/idle mode.
- After one cycle, additional cycles are not possible continuously.
  - – PAY type: Price is displayed.
  - – FrEE type: PUSH is displayed.

7-6. 93od quick mode setup

Quick mode setup can be used to enable/disable the use quick cycle.

Quick Mode Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		rSEr
Press 2nd button or 3rd button	Until display shows	FEA3
Press start button		SIEE
Press 2nd button or 3rd button	Until display shows	93od
Press start button		EnAb
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ FEA3 ▶ 93od ▶ EnAb / diSb	
Press Start to enable or disable	The next menu setting will be displayed.	H4CS

7-7. HYCS hygiene cycle button setup

hygiene cycle button setup can be used to set the function of the 1st button.

Hygiene Cycle Button Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		rSEr
Press 2nd button or 3rd button	Until display shows	FEA3
Press start button		SIEE
Press 2nd button or 3rd button	Until display shows	HYCS
Press start button		dISb
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ FEA3 ▶ HYCS ▶ dISb / EnAb	
Press Start to enable or disable	The next menu setting will be displayed.	SIEE

NOTE

Setting EnAb to will make the 1st button function as Hygiene cycle.

Setting dISb to will make the 1st button function as Hot cycle.

The hygiene cycle is a heating cycle that, like tub clean cycle, may shut down if several units are operated simultaneously.

8.SPPd Special Price Day Setup

Special Price Day Setup can be used to select which days to apply special prices.

Special Price Day Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		rSEr
Press 2nd button or 3rd button	Until display shows	SPPd
Press start button		SUn
Press Start button		dISb
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ SPPd ▶ SUn / Mon / tUE / UEd / tHU / Fri / SAt ▶ dISb / EnAb	
Press Start to enable or disable	The next menu setting will be displayed.	Mon

9.SPbt Special Price Beginning Time Setup

Special Price Beginning Time Setup can be used to set the start time of special prices.

Special Price Beginning Time Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		tcbt
Press 2nd button or 3rd button	Until display shows	SPbt
Press start button		00:0
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ SPbt ▶ 00:0	
Press Start to set time	The next menu setting will be displayed.	SPEt

NOTE

- Make sure to set up the Time feature before using this feature.
- Range : 0~23 hr
- Increments : 1

10.SPEE Special Price Ending Time Setup

Special Price Ending Time Setup can be used to set the end time for special prices.

Special Price Ending Time Setup		Display
Enter SVC mode		
Press 1st button		
Press 2nd button		
Press start button		
Press 2nd button or 3rd button	Until display shows	
Press start button		
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ SPEE ▶ 88:88	
Press Start to set time	The next menu setting will be displayed.	

NOTE

- Range : 1~24 hr
- Increments : 1

11.PrSt Prewash Time Setup

Prewash Time Setup can be used to set the time for prewash.

Prewash Time Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		rSEr
Press 2nd button or 3rd button	Until display shows	PrSt
Press start button		COS1
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ PrSt ▶ COS1 COS2 COS3 COS4 COS5 COS6 ▶ PrEn PrHC PrCt	
Press Start to set option	The next menu setting will be displayed.	PrHC

NOTE

PrEn : Prewash available(dISb : disable / EnAb : enable)

PrHC : Prewash valve(Hot : Hot vavle / Cold : cold valve)

– PrHC is used only on single type model.

PrCt : Prewash time(Range : 4~8)

12. CCCC Wash Time Setup

Wash Time Setup can be used to set the duration of the wash process.

Wash Time Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		rSAr
Press 2nd button or 3rd button	Until display shows	CCCC
Press start button		COS1
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ CCCC ▶ COS1 ▶ 8888 COS2 COS3 COS4 COS5 COS6	
Press Start to set time	The next course setting will be displayed.	COS2

NOTE

- Range : 5~15 min
- Increments : 1
- COS1 : Hot
- COS2 : Warm
- COS3 : Cold
- COS4 : Delicates
- COS5, COS6 : Heater model only

13. nrPC Number of Rinses per Cycle Setup

Number of Rinses per Cycle Setup can be used to set number of rinses for one cycle.

Number of Rinses per Cycle Setup		Display
Enter SVC mode		
Press 1st button		
Press 2nd button		
Press start button		
Press 2nd button or 3rd button	Until display shows	
Press start button		
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**		
Press Start to set the number of cycles	The next course setting will be displayed.	

NOTE

- Range : 1~5
- Increments : 1
- COS1 : Hot
- COS2 : Warm
- COS3 : Cold
- COS4 : Delicates
- COS5, COS6 : Heater model only

14. Rinse Time Setup

Rinse Time Setup can be used to set the duration of one rinse.

Rinse Time Setup		Display
Enter SVC mode		
Press 1st button		
Press 2nd button		
Press start button		
Press 2nd button or 3rd button	Until display shows	
Press start button		
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	▶ ▶ ▶	
Press Start to set time	The next course setting will be displayed.	

NOTE

- Multiple and to calculate total rinse process time
- Range : 8~16 min
- Increments : 1
- COS1 : Hot
- COS2 : Warm
- COS3 : Cold
- COS4 : Delicates
- COS5, COS6 : Heater model only

15. tSSd Top Spin Speed Setup

Top Spin Speed Setup can be used to set the maximum RPM for the spin process.

Top Spin Speed Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		rSPr
Press 2nd button or 3rd button	Until display shows	tSSd
Press start button		COS1
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ tSSd ▶ COS1 COS2 COS3 COS4 COS5 COS6 ▶ 8888	
Press Start to set the number	The next course setting will be displayed.	COS2

NOTE

- Range : 0~6
- Increments : 1
- COS1 : Hot
- COS2 : Warm
- COS3 : Cold
- COS4 : Delicates
- COS5, COS6 : Heater model only

0 : 1200RPM
1 : 1000 RPM
2 : 900 RPM
3 : 800 RPM
4 : 700 RPM
5 : 600 RPM
6 : 500 RPM

16. Water Level Setup

Water Level Setup can be used to set the water supply level.

Water Level Setup		Display
Enter SVC mode		
Press 1st button		
Press 2nd button		
Press start button		
Press 2nd button or 3rd button	Until display shows	
Press start button		
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SETUP ▶ WATER ▶ COS1 / COS2 / COS3 / COS4 / COS5 / COS6 ▶ HIGH / MIDDLE / LOW	
Press Start to set the level	The next course setting will be displayed.	

NOTE

- COS1 : Hot
- COS2 : Warm
- COS3 : Cold
- COS4 : Delicates
- COS5, COS6 : Heater model only

- Water level frequency
- High : 23.0 KHz
- Middle : 23.5 KHz
- Low : 23.8 KHz

17. rSEn Rinse Spin Setup

Rinse Spin Setup can be used to enable/disable spin during rinse cycle.

Rinse Spin Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		rOOr
Press 2nd button or 3rd button	Until display shows	rSEn
Press start button		rS1
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ rSEn ▶ rS1 / rS2 / rS3 / rS4 / rS5 ▶ EnAb / dISb	
Press Start to enable or disable	The next course setting will be displayed.	rS2

NOTE

rS1 : 1st rinse spin skip

rS2 : 2nd rinse spin skip

rS3 : 3rd rinse spin skip

rS4 : 4th rinse spin skip

rS5 : 5th, 6th rinse spin skip

6th rinse spin refers to Add super wash rinse.

18. dHUE Drop Count Setup

Drop Count Setup can be used to set the number of drop counts. Drops occur while the machine checks for balancing of the load as the cycle enters higher RPM.

Drop Count Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		rSPd
Press 2nd button or 3rd button	Until display shows	dHUE
Press start button		0150
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ dHUE ▶ 0150	
Press Start to set the number	The next menu setting will be displayed.	rSUE

NOTE

- **Drop counts 25~145:** 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 150:** 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.**

19. rSUE Rinse Spin Drop Count Setup

Rinse Spin Drop Count Setup can be used to set the drop count for each rinse spin. Drops occur while the machine checks for balancing of the load as the cycle enters higher RPM.

Rinse Spin Drop Count Setup		Display
Enter SVC mode		
Press 1st button		
Press 2nd button		
Press start button		
Press 2nd button or 3rd button	Until display shows	
Press start button		
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SETUP ▶ rSUE ▶ 00:10	
Press Start to set the number	The next menu setting will be displayed.	

NOTE

- Range : 5~15
- Increments : 1
- If unable to reach target RPM within set number of drops, cycle will continue to next step.

20. UE Shutdown Setup

UE Shutdown Setup can be used to set the time to display UE until the cycle ends.

UE Shutdown Setup		Display
Enter SVC mode		
Press 1st button		
Press 2nd button		
Press start button		
Press 2nd button or 3rd button	Until display shows	
Press start button		
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**		
Press Start to set the time	The next menu setting will be displayed.	

NOTE

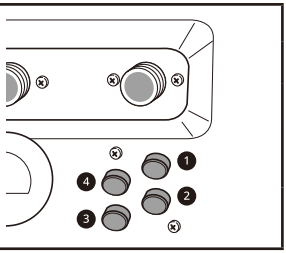
- Range : 0~10 min
- 0 : UE will remain until user opens door, redistributes clothes, and starts up spin process again.
- 1~10 : Cycle will end after set time.

21. AUTO Auto Dosing Pump Time Setup

Auto Dosing Pump Time Setup can be used to set the pump activation duration for each channel per course.

Auto Dosing Pump Time Setup		Display
Enter SVC mode		LOCK
Press 1st button		TEST
Press 2nd button		SETUP
Press start button		PASS
Press 2nd button or 3rd button	Until display shows	AUTO
Press start button		COS1
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SETUP ▶ AUTO ▶ COS1 ▶ CH1 ▶ 00:10 COS2 CH2 COS3 CH3 COS4 CH4 COS5 CH5 COS6	
Press Start to set the time	The next channel setting will be displayed.	CH2

CH	Detergent	Range (s)	Input period
❶	Pre-wash	0~20	Pre-wash phase
❷	Main wash	0~20	Main wash phase
❸	Bleach	0~10	Main wash (Remaining washing time : 5 Minutes)
❹	Softener	0~20	Final rinse phase



22. Coin 1 Value Setup

Coin 1 Value Setup can be used to set the value of each coin signal received.

Coin1 Value Setup		Display
Enter SVC mode		
Press 1st button		
Press 2nd button		
Press start button		
Press 2nd button or 3rd button	Until display shows	
Press start button		
Select the price you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**		
Press Start to set the price	The next menu setting will be displayed.	

NOTE

- Range : 0.10~10.00
- Increments : 0.10

23. P1P0 Penny Increment Pricing Offset Setup

Penny Increment Pricing Offset Setup can be used to set additional cent increase when card is used.

Penny Increment Pricing Offset Setup		Display
Enter SVC mode		L9C1
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		r9Pr
Press 2nd button or 3rd button	Until display shows	P1P0
Press start button		00:00
Select the price you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ P1P0 ▶ 00:00	
Press Start to set the price	The next menu setting will be displayed.	bEEP

NOTE

- Range : 0~4
- P1P0 Penny increment pricing offset is available only in card type. It hasn't affected the coin type's price setting.

24.bEEP Beep Volume Setup

Beep Volume Setup can be used to set the sound level of the machine.

Beep Volume Setup		Display
Enter SVC mode		LOCK
Press 1st button		TEST
Press 2nd button		SETUP
Press start button		rSPr
Press 2nd button or 3rd button	Until display shows	bEEP
Press start button		HIGH
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SETUP ▶ bEEP ▶ HIGH / LOW / OFF	
Press Start to set the sound level	The next menu setting will be displayed.	rEFr

25. rEFr Standby Return Time Setup

Standby Return Time Setup can be used to set how long the input payment is held until the machine resets to standby mode.

Standby Return Time Setup		Display
Enter SVC mode		LANG
Press 1st button		tESt
Press 2nd button		SEtUP
Press start button		rSPr
Press 2nd button or 3rd button	Until display shows	rEFr
Press start button		00:0
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEtUP ▶ rEFr ▶ 00:0	
Press Start to set the time	The next menu setting will be displayed.	tYPE

NOTE

- 0 : Holds input payment permanently.
- 1~180 : Holds input payment for selected amount of time, then returns to standby mode.
- rEFr : Standby return time setup is available only in coin type.

26. TYPE Type

Type can be used to set the machine's various type settings.

Type		Display
Enter SVC mode		LOCA
Press 1st button		TEST
Press 2nd button		SETUP
Press start button		PROG
Press 2nd button or 3rd button	Until display shows	TYPE
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SETUP ▶ TYPE ▶ PDTD LOCA VEND CDRD CNDR	

NOTE

PDTD : Product type
LOCA : Currency type
VEND : Vend type
CDRD : Card reader type
CNDR : Coin meter type
HEAT : Heater type

26-1. Product Type Setup

Product Type Setup can be used to set the machine's payment type (Pay or Free)

Product Type Setup		Display
Enter SVC mode		
Press 1st button		
Press 2nd button		
Press start button		
Press 2nd button or 3rd button	Until display shows	
Press Start button		
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEtUP ▶ tYPE ▶ PAtd ▶ PAY / FrEE	
Press Start to set the type	Display returns to standby mode.	

NOTE

- PAY : Coin/Card
- FrEE : On Premise Laundry
- Issues may occur if certain large items are loaded after changing from Free type to Pay type.

26-2. Loc1 Currency Type Setup

Currency Type Setup can be used to set the country and its currency

Currency Type Setup		Display
Enter SVC mode		L9C1
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		r9Pr
Press 2nd button or 3rd button	Until display shows	t4PE
Press Start button		Pdtd
Press 2nd button or 3rd button	Until display shows	Loc1
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ t4PE ▶ Loc1 ▶ 0000	
Press Start to set the type	Display returns to standby mode.	

NOTE

Country (Loc1)	Range	Increments
England (0)	0~10.00	0.10
Australia (1)	0~10.00	1.00
USA (2)	0~9.95	0.05
China (3)	0~199	1
Korea (4)	0~9500	100
Japan (5)	0~9500	100
Canada (6)	0~9.95	0.05
Philippines (7)	0~995	5

26-3. Vend Type Setup

Vent Type Setup can be used to set the payment type (Coin/Card/Mobile pay).

Vend Type Setup		Display
Enter SVC mode		
Press 1st button		
Press 2nd button		
Press start button		
Press 2nd button or 3rd button	Until display shows	
Press Start button		
Press 2nd button or 3rd button	Until display shows	
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ TYPE ▶ VEnd ▶ Coin / CArd / APP	
Press Start to set the type	Display returns to standby mode.	

26-4. Card Reader Type Setup

Card Reader Type can be used to set the card reader company.

Card Reader Type Setup		Display
Enter SVC mode		
Press 1st button		
Press 2nd button		
Press start button		
Press 2nd button or 3rd button	Until display shows	
Press Start button		
Press 2nd button or 3rd button	Until display shows	
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	▶ ▶ ▶	
Press Start to set the type	Display returns to standby mode.	

NOTE

- 0 : Greenwald
- 1 : ESD

26-5. CnDr Coin Drop Type Setup

Coin Drop Type can be used to set the coin pulse signal setting for coin drops.

Coin Drop Type Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		rOPr
Press 2nd button or 3rd button	Until display shows	tYPE
Press Start button		Pdtd
Press 2nd button or 3rd button	Until display shows	CnDr
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ tYPE ▶ CnDr ▶ 0000	
Press Start to set the type	Display returns to standby mode.	

NOTE

- Coin pulse
- 0 : 50ms : ESD, Greenwald, Munzprufer
- 1 : 100ms : Korea

26-6. HEAt Heater type setup

Heater type setup can be used to set machine's tool(heater/non heater).

Heater Type Setup		Display
Enter SVC mode		LOCA
Press 1st button		tESt
Press 2nd button		SEUP
Press start button		rSPn
Press 2nd button or 3rd button	Until display shows	tYPE
Press Start button		Pdtd
Press 2nd button or 3rd button	Until display shows	HEAt
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	SEUP ▶ tYPE ▶ HEAt ▶ OFF / On	
Press Start to set the type	Display returns to standby mode.	

NOTE

- On : Heater
- OFF : Non heater

27. Max Surpassed Cycle Time Setup

Cut off time is how long the machine can run after the display time has been reached. This feature allows the adjustment of the cut off time between 1 and 15 minutes.

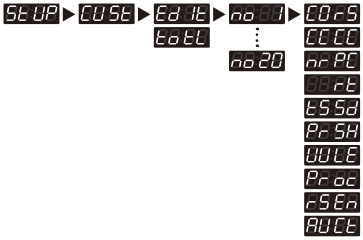
Max Surpassed Cycle Time Setup		Display
Enter SVC mode		
Press 1st button		
Press 2nd button		
Press start button		
Press 2nd button or 3rd button	Until display shows	
Press Start button		
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**		
Press Start to set the time.	The next menu setting will be displayed.	

NOTE

- Range : 1~15 min
- Increments : 1
- The washer will try and complete the entire cycle in the allotted display time. However, in the case of an off balance load or too much soap, the washer will use the extra cut off time to balance or remove excess soap before ending the cycle.

28. CUSt Custom Program Setup

Custom Program can be used to create up to 20 different customized courses.

Custom Program Setup		Display
Enter SVC mode		
Press 1st button		
Press 2nd button		
Press start button		
Press 2nd button or 3rd button	Until display shows	
Press Start button		
Select the setting you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**		
Press Start to set		

NOTE

CUSt : is only available in FrEE type.
totL : Total number of custom courses (1~20)
CorS : Select base course
CCCC : Wash Time
nrPC : Number of Rinse per Cycle
rtt : Rinse Time
tSSd : Top Spin Speed
PrSH : Prewash Time
WtLE : Water Level
Proc : Rinse Spin Only, Spin Only
rSEn : Rinse Spin
AUCt : Auto Dosing Pump Time

Programing Mode – Test Mode

Diagnostic tests: tESt (display)

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

How to enter Programming mode:

- **Coin type** – Turn on/off the toggle switch.
- **Card type** – Insert the service card.
- **All types** –

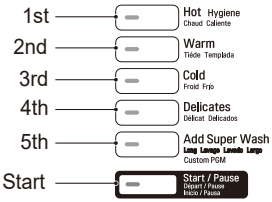
1 Press the 1st & 3rd button at the same time. 0---

2 Press the 2nd & 3rd buttons to toggle numbers. Then, press the 4th button to move to the next digit. -0--

3 Press the Start button to finish password input. L9C1

* Default Password : 3000

<Control Panel Button>



1.tEST Test

Test features can be used to check and change various machine settings.

Test mode		Display
Enter SVC mode		L9C1
Select the feature you want **Button functions:** **Start button = Select** **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	tESt ▶ L9C1 L9C2 LIFE EEPt t13E COUr hILL PASS tcL	

NOTE

L9C1 : Diagnostic Test 1
L9C2 : Factory Use (Do not Use)
LIFE : Factory Use (Do not Use)
EEPt : Factory Reset
t13E : Time Setting
COUr : Courtesy Cycle
hILL : Cycle Kill
PASS : Password Setup
tcL : Tub Clean Course

2. L9C1 Diagnostic Test

Diagnostic Test can be used to check functionality of various machine parts.
Press Start to move through the check points.

Number of times the Start button is pressed	Check point	Display
0	Enter SVC mode	L9C1
1	Turns on all lamps and locks the door	Displays 88:88, 1U:XX, 1g:XX, 10:XX, 1C:XX alternately (Version)
2	Tumble clockwise	rpm (40~50)
3	Low speed spin	rpm (600)
4	High speed spin	rpm (1200)
5	Inlet valve for main water turns on	Water level frequency (255~)
6	Inlet valve for hot water turns on	Water level frequency (255~)
7	Inlet valve for atomizing turns on (Single model) Inlet valve for softener turns on (Stack model)	Water level frequency (255~)
8	Inlet valve for bleach turns on (Single model) Inlet valve for atomizing/bleach turns on (Stack model)	Water level frequency (255~)
9	Tumble counter clockwise	rpm (40~50)
10	Heater turns on	Displays water temperature
11	Circulation pump turns on	Water level frequency (255~)
12	Drain pump turns on	Water level frequency (255~)
13	All lamps turn on	Displays 88:88, 1U:XX, 1g:XX, 10:XX, 1C:XX alternately (Version)
14	Button check	
15	High speed spin	rpm (1200)
16	12:00 PDA signal check	12:00 this function is not applied in this machine
17		L9C1

NOTE

- Make sure the drum is empty when diagnostic test is being performed. Do not use L9C2.
- RPM notation is displayed except for the last number when it is more than a hundred (i.e. 1200 rpm is displayed as 120)

3.EEPt Factory Reset

Factory Reset is used to reset the machine to default settings.

Factory Reset		Display
Enter SVC mode		
Press 2nd button or 3rd button	Until display shows	
Press Start button		
Press 2nd button	Until display shows	
Press Start button		

NOTE

- All settings return to default.
- Wash time : 8 minutes
- Rinse cycle : Twice
- Top spin speed : 800 rpm
- Add Super Wash : 3 minutes extra wash and one extra rinse
- Price setting varies by country
- After Factory Reset, set your country from Loc I mode.

4. tIME Time Setup

Time Setup can be used to set the current year, month, day, hour, and minute.

Time Setup		Display
Enter SVC mode		
Press 2nd button or 3rd button	Until display shows	
Press Start button	Display shows you 2000(Year) → 0101(Month/ Date) → Sat(Day) → 0000(Time(24hr))	
Press Start button		
Press 2nd button or 3rd button	Until display shows the year you want (i.e. 2020)	
Press Start button		
Press 2nd button or 3rd button	Until display shows the month you want in the left two digits (i.e. June = 0601)	
Press Start button		
Press 2nd button or 3rd button	Until display shows the day you want in the right two digits (i.e. June 11th = 0611)	
Press Start button		
Press 2nd button or 3rd button	Until display shows the hour you want (i.e. 2:00 PM = 1400)	
Press Start button		
Press 2nd button or 3rd button	Until displays shows the minute you want (i.e. 2:15 PM = 1415)	
Press Start button	Display shows you 2000(Year) → 0101(Month/ Date) → Sat(Day) → 0000(Time(24hr))	
Press 1st button	Until display returns to standby mode	

NOTE

- Time is displayed in military time format.
- Time Setup must be set to use Special Day Price feature.
- When the machine is powered off, Time Setup is reset to default.

5.COUr Courtesy Cycle

Courtesy Cycle is a free cycle given to customers for Pay Type machines.

Courtesy Cycle		Display
Enter SVC mode		
Press 2nd button or 3rd button	Until display shows	
Press Start button		
Press 2nd button	Until display shows	
Press Start button	Machine is ready to use. User can choose desired course and press Start.	

6. KILL Kill Cycle

Kill Cycle is used to end the currently operating cycle.

Cycle Kill		Display
Enter SVC mode		
Press 2nd button or 3rd button	Until display shows	
Press Start button		
Press 2nd button	Until display shows	
Press Start button	Machine is ready to use. User can choose desired course and press Start.	

NOTE

- Only works for machine that is currently operating.
- Cycle can be ended with Cycle Kill Card for Card Type machines.
- Easy entry : Press and hold the start button for at least 3 seconds.

7.PASS Password Setup

Password Setup can be used to change the password to enter Service mode.

Password Setup		Display
Enter SVC mode		
Press 2nd button or 3rd button	Until display shows	
Press Start button		
Button functions: Start button = Select **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	Input current password Default Password : 3000 **1** Press the 2nd & 3rd buttons to toggle numbers. **2** Press the 4th button to move to the next digit.	
Press Start button		
Button functions: Start button = Select **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	Input new password (i.e. 1234) **1** Press the 2nd & 3rd buttons to toggle numbers. **2** Press the 4th button to move to the next digit.	
Press Start button	New password is set	

8. tcL Tub Clean Course

Tub Clean Course is used to clean the drum.

Tub Clean Course		Display
Enter SVC mode		
Press 2nd button or 3rd button	Until display shows	
Press Start button	Display shows remaining time and starts the Tub Clean Course.	

NOTE

- Machine goes back to standby mode after Tub Clean Course is completed.
- Easy Entry : Press and hold the 1st button and 2nd button for at least 3 seconds.
- Display shows the default number of Tub Clean cycles to run. (Range : 1~3)
- Never load laundry when using Tub Clean Course. Laundry may be damaged or become contaminated.
- Tub Clean Course should be used every 50 cycles.
- Related functions tcoP : Tub Clean Load Detection Setup
  tcHt : Tub Clean Heater Setup
  tcbt : Tub Clean Shortcut Button Setup

Programing 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.

Collect Mode

Collect Mode		Display
Enter SVC mode		L9C1
Press 1st button		tESt
Press 2nd button or 3rd button	Until display shows	CLCt
Press Start button		r9Pr
Select the feature you want Start button = Select **1st button = Go back a step** **2nd button = Move up or increase value** **3rd button = Move down or decrease value**	Refer to the follow Collect Mode Data List	

Collect Mode Data lists

No.	Abbreviation	Meaning	Description
1	rgPr	Regular Price (Default Price)	
2	rgP1	Regular COS1 Price	
3	rgP2	Regular COS2 Price	
4	rgP3	Regular COS3 Price	
5	rgP4	Regular COS4 Price	
6	rgP5	Regular COS5 Price (for Heater)	
7	rgP6	Regular COS6 Price (for Heater)	
8	ltrC	Interval Regular Total Cycle Count	(0~65535)
9	ltr1	Interval Regular COS1 Cycle Count	(0~65535)
10	ltr2	Interval Regular COS2 Cycle Count	(0~65535)
11	ltr3	Interval Regular COS3 Cycle Count	(0~65535)
12	ltr4	Interval Regular COS4 Cycle Count	(0~65535)
13	ltr5	Interval Regular COS5 Cycle Count (for Heater)	(0~65535)
14	ltr6	Interval Regular COS6 Cycle Count (for Heater)	(0~65535)
15	ACrC	Accumulated Regular Total Cycle Count	(0~65535)
16	ACr1	Accumulated Regular COS1 Cycle Count	(0~65535)
17	ACr2	Accumulated Regular COS2 Cycle Count	(0~65535)
18	ACr3	Accumulated Regular COS3 Cycle Count	(0~65535)
19	ACr4	Accumulated Regular COS4 Cycle Count	(0~65535)
20	ACr5	Accumulated Regular COS5 Cycle Count (for Heater)	(0~65535)
21	ACr6	Accumulated Regular COS6 Cycle Count (for Heater)	(0~65535)
22	SCPr	‘Add Super Wash’ Price	
23	ltSC	Interval ‘Add Super Wash’ Usage Count	(0~65535)
24	ACSC	Accumulated ‘Add Super Wash’ Usage Count	(0~65535)
25	AUPr	‘Auto Dosing’ Price	
26	ltAU	Interval ‘Auto Dosing’ Usage Count	(0~65535)
27	ACAU	Accumulated ‘Auto Dosing’ Usage Count	(0~65535)
28	ltSU	Interval ‘Courtesy Cycle’ Usage Count	(0~65535)
29	ACSU	Accumulated ‘Courtesy Cycle’ Usage Count	(0~65535)
30	ltFC	Interval ‘Token’ Cycle Count	(0~65535)
31	ACFC	Accumulated ‘Token’ Cycle Count	(0~65535)
32	ACrt	Accumulated Run Time (minutes)	(0~65535)
33	ltnr	Interval No Runs	(0~255)
34	lttb	Interval Trouble Cycle Count	(0~255)
35	ltPd	Interval Power Downs	(0~255)
36	ltdd	Interval Unauthorized Service Door Openings	(0~255)
37	ltUC	Interval Unauthorized Coin Vault Openings	(0~255)
38	lttl	Interval Total Income	(0~65535)
39	ACtl	Accumulated Total Income	(0~65535)
40	lttC	Interval Total Cycle Count	(0~65535)
41	ACtC	Accumulated Total Cycle Count	(0~65535)
42	ltd	Interval Money	(0~65535)
43	Acd	Accumulated Money	(0~65535)

44	ItSd	Interval ‘Add Super Wash’ Money	(0~65535)
45	ACSd	Accumulated ‘Add Super Wash’ Money	(0~65535)
46	ItA3	Interval ‘Auto Dosing’ Money	(0~65535)
47	ACA3	Accumulated ‘Auto Dosing’ Money	(0~65535)
48	ACdP	Accumulated ‘WaveForce’ Operations	(0~65535)
49	ACtL	Accumulated ‘Tub Clean Course’ Cycle Count	(0~65535)
50	ACPC	Accumulated ‘Pre Clean’ Cycle Count	(0~65535)

NOTE

- ‘Auto Dosing’ only counts paid Auto Dosing Cycles.
- Interval Cycles are reset to 0 after data is collected with Collect Card.
- Accumulated Cycles do not count Service or Trouble Cycles.
- Price settings vary by country.

SMART FUNCTIONS

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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.
- Certain internal parts are intentionally not grounded and may present a risk of electric shock only during servicing. Service personnel - Do not contact the following parts while the appliance is energized: pump, valve, motor, control board.

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 1 gallon of nontoxic recreational vehicle (RV) antifreeze to the empty wash drum. Close door.
5. Unplug the power cord, dry the drum interior with a soft cloth, and close the door.
6. Remove the inserts from the dispenser. Drain any water in compartments and dry the compartments.
7. Store the washer in an upright position.
8. To remove the antifreeze from the washer after storage, run washer through a complete cycle using detergent. **Do not add laundry!**

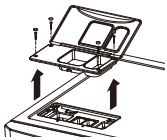
NOTE

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

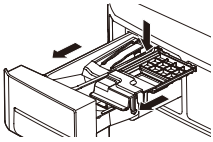
Cleaning the Dispenser

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

- Single model -

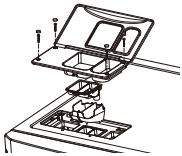


- Stack model -

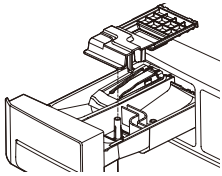


2. Remove the inserts from the drawer, and clean them with warm water and a soft cloth or brush to remove any residue or buildup. Wipe out the inside of the drawer opening with a damp cloth. Reassemble the drawer and reinstall in the drawer opening.

- Single model -



- Stack model -



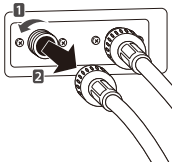
NOTE

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

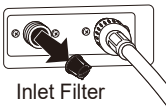
Cleaning the Water Inlet Filters

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.

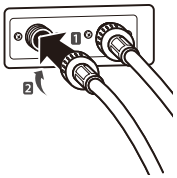


4. Pull out the water inlet filter.



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

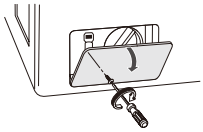
- IE message will blink on the display when the water pressure in the detergent drawer is weak or an inlet filter is clogged with dirt. Clean the inlet filter.

Cleaning the Drain Pump Filter

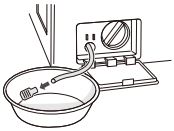
The washing machine fails to drain if the drain pump filter is clogged. Periodically clean the drain filter to prevent clogging with foreign objects.

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

2 Open the drain pump filter cover.



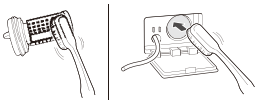
3 Unclip the drain hose and remove the plug from the drain hose to drain the remaining water.



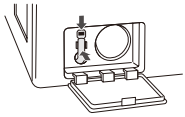
4 Twist the pump filter counterclockwise to remove.



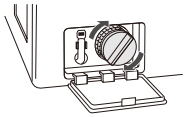
5 Clean the pump filter and opening.



6 Recap the plug onto the drain hose and reattach the drain hose.



7 Insert the drain pump filter.



8 Close the drain pump filter cover.

⚠ WARNING

- **Make sure to pull out the plug before cleaning.** Failure to do so may cause electric shock.
- Opening the drain filter will result in water overflowing if there is water in the washer tub. **Make sure to check if the water is completely drained before opening the drain filter.**
- If you use the washing machine with the drain filter reassembled incorrectly after cleaning it, or if you use the machine without the filter, it may cause leaks or malfunction of the washing machine.

NOTE

- OE message will blink when the drain pump filter is clogged with dirt. Clean the drain pump filter.

Cleaning 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.

Cleaning 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.

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

- Wave Force process during the Rinse step helps in maintaining tub hygiene. The tub is cleaned by rotating the water-filled tub at an optimized RPM.
- Wave Force is intrinsic within the Rinse step. No additional setting is required.
- Wave Force is NOT a substitute for the TUB CLEAN cycle. TUB CLEAN should still be repeated monthly to maintain hygienic use.

Removing Mineral Buildup

In areas with hard water, mineral scale can form on internal components of the washer. Periodically clean the mineral buildup on the internal components to extend the lifespan of the washer.

Use of a water softener is recommended in areas with hard water.

- Use a descaler, to remove visible mineral buildup on the washer tub.
- After descaling, always run the Tub Clean cycle before washing clothing
- Mineral scale and other spots may be removed from the stainless steel tub using a soft cloth soaked in stainless steel cleaner.
- Do not use steel wool or abrasive cleaners.

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 the load in the tub to allow it to balance properly.
	• 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.
	• Thermistor is opened or shorted.	Thermistor should be replaced.
	• Out of balance sensor is defective.	Sensor should be replaced.
	• Load is out of balance or the out of balance sensor is defective.	Rearrange the load in the tub to allow it to balance properly. If problem persists replace the sensor.
	• 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	8 Minutes
Rinse Time	17 Minutes
Spin Time	11 Minutes
Rinsing times	Twice
Coin #1 Value	0.10
Vend Price	2.00
Add super wash price	0.50
Top Spin speed	800 rpm

SPECIFICATIONS

Model	
Power supply	220-240 V~ / 50 Hz / 500 W (Hygiene : 1950-2300 W)
Size	700 mm (W) X 770 mm (D) X 983 mm (H), 1396 mm (D with door open)
Weight	87 kg
Wash capacity	13 kg
Spin speed	1200 rpm max.

NOTE

- Specifications subject to change by manufacturer.
- RPM depends on the selected cycle and load type.
- Price setting varies by country.
- Set your country from 
- After EEPT, reset your country (Default country is EUK)

Memo

Memo


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