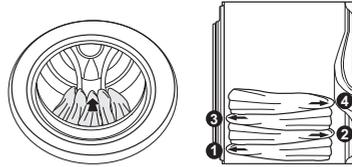


# PREPARATION

## Sorting Wash Loads

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

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



- Load clothes loosely, and do not overfill the drum. Clothes need room to circulate in order to get clean.
- Do not press down on items while stacking them in the drum.

## Fabric Care Labels

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

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

## Sorting Laundry

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

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

## Using Detergent/Fabric Softener

### Recommended Detergent

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



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

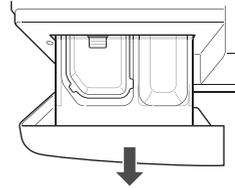
### NOTE

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

## Loading the Dispenser

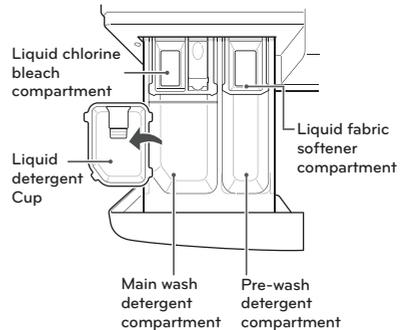
The detergent dispenser drawer of the washing machine has a dispenser compartment for each detergent type. Add each detergent to its appropriate compartment.

- 1 Pull out the detergent dispenser drawer.



- 2 Add the appropriate detergent to its appropriate compartment.

- If you use a liquid detergent, check if the liquid detergent cup is in place.
- If you use a powdered detergent, remove the liquid detergent cup and put the powder in the main wash detergent compartment.



- 3 Close the detergent dispenser drawer slowly.
  - Slamming the detergent dispenser drawer may result in the detergent overflowing into another compartment or pouring into the tub earlier than programmed.

### NOTE

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

**Pre-wash Detergent Compartment**

Add liquid or powdered detergent to this compartment when using the pre-wash option. Always use HE (High-Efficiency) detergent with your washing machine.

**! NOTE**

- If liquid detergent is to be used for the main wash when using the pre-wash option, the liquid detergent cup accessory must be used in main wash dispenser to prevent the main wash liquid detergent from being dispensed immediately.
- The amount of detergent added for the pre-wash option is 1/2 the amount recommended for the main wash cycle. For example, if the main wash cycle requires one measure of detergent, add 1/2 measure for the pre-wash option.

**Main Wash Detergent Compartment**

This compartment holds laundry detergent for the main wash cycle, which is added to the load at the beginning of the cycle. Always use HE (High-Efficiency) detergent with your washing machine. Never exceed the manufacturer's recommendations when adding detergent. 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.
- When using liquid detergent, make sure the liquid detergent cup and insert are in place. Do not exceed the maximum fill line.
- When using powdered detergent, remove the insert and liquid detergent cup from the compartment. Powdered detergent will not dispense with the liquid detergent cup and insert in place.

**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.

# OPERATION

## Using the Washer

- 1  Load the laundry into the washing machine and close the door.
- 2  Press .
  - The lights around the cycle selector knob will illuminate and a chime will sound.
- 3  Turn  to the desired cycle.
  - The proper default option is automatically set according to the wash cycle. See page 23, **Cycle guide**, for more detailed default options for each cycle.
  - See page 24, **Main cycle**, for details on the wash cycles.
  - To change the options, press the option button and select the desired option. See page 25, **Setting options before cycle**, for more details on options.
  - Skip to step 4 to use the default setting without changing the options.
- 4  Add the proper amount of detergent and additions (bleach, softener) into the detergent dispenser drawer.
  - See page 20, **Using detergent/fabric softener**, for more details on using detergent.
- 5  Press .
  - The washing machine will start.
- 6  When the melody plays, the wash cycle is finished.
  - When the washing cycle is finished, the door will unlock. Open the door and remove the laundry immediately.
  - Make sure to check around the door seal when taking out the finished load. Small items may be caught in the door seal.

### WARNING

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

### NOTE

- The front-load washing machine rotates the laundry in a way that allows it to use less water while still fully saturating your clothing. It is normal to not be able to see water during the wash cycle.
- If the temperature or the water level inside the machine is too high, the door locks and cannot be opened. To open the door while washing, use the Rinse + Spin feature.

## Cycle Guide

The cycle guide below shows the options and recommended fabric types for each cycle.

● = Available option

CYCLE	FABRIC TYPE	DISPLAY TIME(MIN)	BASIC OPTION (*=DEFAULT)			ADDITIONAL OPTIONS					
			Wash Temp.	Spin Speed	Soil Level	Steam	Cold Wash™	Delay Wash	Extra Rinse	Pre Wash	Turbo Wash™
Allergiene™	Cotton, underwear, pillow covers, bed sheets, baby wear	103-138	-	Extra High High★ Medium Low No Spin	-	●		●	●		●
Sanitary	Heavily soiled underwear, work clothes, diapers, etc.	116-129	Extra Hot★	Extra High High★ Medium Low No Spin	Heavy Normal★ Light	●		●	●	●	●
Bright Whites™	White Fabrics	72-85	Hot★ Warm Cold Tap Cold	Extra High High★ Medium Low No Spin	Heavy Normal★ Light	●		●	●	●	●
Bulky/Large	Large items such as blankets and comforters	84	Hot Warm★ Cold Tap Cold	Medium★ Low No Spin	Heavy Normal★ Light	●	●	●	●	●	●
Heavy Duty	Heavy soiled Cotton Fabrics	91-132	Extra Hot Hot Warm★ Cold Tap Cold	Extra High★ High Medium Low No Spin	Heavy★ Normal Light	●	●	●	●	●	●
Cotton/ Normal	Cotton, linen, towels, shirts, sheets, jeans, mixed loads	26-53	Extra Hot Hot Warm★ Cold Tap Cold	Extra High High★ Medium Low	Heavy Normal★ Light	●	●	●	●	●	●
Jumbo Wash	Comforter	84	Hot Warm★ Cold Tap Cold	High★ Medium Low No Spin	Heavy Normal★ Light	●	●	●	●	●	●
Towels	Towels	61-74	Hot Warm★ Cold Tap Cold	Extra High★ High Medium Low No Spin	Heavy Normal★ Light		●	●	●	●	●
Perm.Press	Dress shirts/pants, wrinkle-free clothing, poly/cotton blend clothing, tablecloths	37-47	Hot Warm★ Cold Tap Cold	High Medium★ Low	Heavy Normal★ Light		●	●	●	●	●
Hand Wash/ Wool	Items labeled "hand-washable"	55	Warm★ Cold Tap Cold	Low★ No Spin	Normal★ Light		●	●			
Delicates	Dress shirts/blouses, nylons, sheer or lacy garments	41	Warm Cold★ Tap Cold	Medium★ Low No Spin	Heavy Normal★ Light		●	●	●	●	
Speed Wash	Lightly soiled clothing and small loads	15	Hot★ Warm Cold Tap Cold	Extra High★ High Medium Low No Spin	Heavy Normal Light★		●	●	●		●
Small Load	Normally soiled and small loads.	49-51	Hot Warm★ Cold Tap Cold	Extra High High★ Medium Low No Spin	Heavy Normal★ Light		●	●	●	●	
Tub Clean	This cycle is designed to remove a mildewy or musty smell.	93-95				●		●			

Cycle time depends on type and amount of load and detergent, water pressure and chosen additional options.

- If the Turbo Wash™ option is on, you cannot select "No Spin" as your Spin Speed.

(If the Turbo Wash™ option is off, you can select "No Spin" as your Spin Speed.)

## Wash Cycles

You can wash laundry items more thoroughly by selecting the wash cycle that best suits the type of items to be washed. Turn the  to the desired cycle. When you select a wash cycle, the light for the corresponding wash cycle will turn on. See page 22, **Basic operation**, for more details on operating methods.

### Allergiene™ : Reducing Laundry Allergens

This cycle is a powerful, high temperature cycle designed specifically to reduce certain allergens.

#### NOTE

- Selecting the Allergiene™ cycle automatically incorporates steam into the wash cycle.
- The Allergiene™ cycle can significantly reduce allergens in bedding and clothing.
- The Allergiene™ cycle helps reduce dust mite populations and helps reduce allergens.
- Due to the higher energy and temperatures used, the Allergiene™ cycle is not recommended for wool, silk, leather, or any other delicate or temperature sensitive items

### Sanitary : Reducing Laundry Bacteria

This wash cycle reduces 99% of bacteria on laundry through high temperature.



**Protocol P172**  
Sanitization Performance of Residential and Commercial, Family Sized Clothes Washers

#### NOTE

- This cycle has been certified by NSF using Tide HE powder.

### Bright Whites™ : White Fabrics

This cycle is for washing white items only.

### Bulky/Large : Blankets or Bulky Items

This cycle is for washing blankets or bulky items.

### Cotton/Normal : Normal Items

Use this cycle to wash all normal items, except delicate fabrics such as wool or silk.

#### NOTE

- If you press  and then  without selecting another cycle, the washing machine proceeds to Cotton/Normal.

### Heavy Duty : Heavily Soiled Items

This cycle is for washing heavily soiled laundry though more powerful tub rotation.

### Jumbo Wash : Comforters

This cycle is for washing king or queen comforter.

### Perm. Press : Wrinkle-Free Items

This cycle is for washing items such as wrinkle-free clothes or tablecloths to minimize wrinkles.

### Delicates : Sheer Items

This cycle is for washing lingerie or sheer and lacy clothes which can easily be damaged.

### Towels

This cycle is for washing towels.

### Small Load : Washing a Few Items

This cycle is for normally soiled and small loads.

### Hand Wash/Wool : Items Labeled Wool or Hand-Wash

This cycle is for washing shrinkable woolen or hand-washable items requiring delicate care. Only wash woolen items that are labeled machine washable or hand-washable.

#### NOTE

- Laundry weight should be less than 8 pounds (3.6 kg) to prevent damage to the fabric.
- Use only natural or wool-safe detergent harmless to fabrics and load 1/2 of the normal amount of detergent.
- The Hand Wash/Wool cycle uses a gentle tumble rotation angle and low speed spin for the ultimate fabric care.

### Speed Wash : Washing Quickly

Use the Speed Wash cycle to quickly wash lightly soiled clothing and small load. For high wash and rinse efficiency, it is recommended to wash small loads of 2-3 lightly soiled garments.

#### NOTE

- Use very little detergent in this cycle. If you want more rinsing, you can add an extra rinse by using the Extra Rinse option button.

## Cycle Modifier Buttons

Each cycle has preset settings that are selected automatically. You may also customize the settings using the cycle modifier buttons. Press the button for that option to view and select other settings.

The washer automatically adjusts the water level for the type and size of wash load for best results and maximum efficiency. It may seem there is no water inside the drum in some cycles, but this is normal.

### NOTE

- To protect your garments, not every wash/rinse temperature, spin speed, soil level, or option is available with every cycle. See the Cycle Guide for details.

## Setting Options Before Cycle

You can select and add the desired optional functions before you start the washing machine.

### Wash Temp.

Set the water temperature for the wash cycle. Set the appropriate temperature, as specified in the fabric care label.

- Press  and turn  to the desired cycle.
- Press  repeatedly to select the desired water temperature:
  - When an optional item is selected, an indication light for the corresponding optional item turns on.
- Press the desired option button to use the other options.
  - Skip to step 4 to use the default setting without changing the options.
- Press .

### NOTE

- Cold rinses use less energy.
- Your washer features a heating element to boost the hot water temperature for Extra Hot settings. This provides improved wash performance at normal water heater settings.
- Select the water temperature suitable for the type of load you are washing. Follow the fabric care label for best results.

## Spin Speed

You can set the desired spin speed. Use this feature properly according to the characteristics of the load.

- Press  and turn  to the desired cycle.
- Press  repeatedly to select the desired spin speed.
  - When an optional item is selected, an indication light for the corresponding optional item turns on.
- Press the desired option to use the other options.
  - Skip to step 4 to use the default setting without changing the options.
- Press .

### NOTE

- The Spin Speed button also activates the Drain & Spin cycle to drain the tub and spin clothes; for example, if you want to remove clothes before the cycle has ended.

## Soil Level

You can wash your laundry more thoroughly by setting the proper soil level on the washing machine.

- Press  and turn  to desired cycle.
- Press  repeatedly to select a soil level.
  - When an optional item is selected, an indication light for the corresponding optional item turns on.
- Press the desired option to use the other options.
  - Skip to step 4 to use the default setting without changing the options.
- Press .

### NOTE

- This feature needs more time for heavily soiled loads or less time for lightly soiled loads.

## Signal

The washing machine plays a melody when the wash cycle is finished. The buttons make a sound each time a button is pressed. Use this option to adjust the volume of the melody and button tones.

- 1 Press .
- 2 Turn  to the desired cycle.
- 3 Press . Adjust the melody and button tones as desired.
- 4 Press the desired option to use the other options.
- 5 Press .

## Prewash

Prewash for 15 minutes when clothes are covered in dirt or dust. This feature is suitable for heavily soiled items.

- 1 Press  and turn  to the desired cycle.
- 2 Press .
  -  light will turn on.
- 3 Press the desired option to use the other options.
  - Skip to step 4 to use the default setting without changing the options.
- 4 Press .

## Rinse+Spin

Use this cycle to rinse detergent from load.

- 1 Press  and turn  to the desired cycle.
- 2 Press .
- 3 Press the desired option to use the other options.
  - Skip to step 4 to use the default setting without changing the options.
- 4 Press .

## Drum Light

The drum is equipped with a white LED light that illuminates when the washer is turned on. This light automatically turns off when the door is closed and the cycle starts. To turn on the light during a cycle.

- 1 Press  and turn  to the desired cycle.
- 2 Press .
- 3 Press and hold  for 3 seconds during the wash cycle.
  - The drum light will illuminate and then turn off automatically after 4 minutes.
  - Clothes and the gasket may look like yellow due to lights of the lamp, but it is normal.

## Fresh Care

Use this function when you are not able to take out your clothes as soon as the wash cycle ends. This function provides periodic tumbling for up to about 19 hours to prevent wrinkles. Press the Start/Pause or Power button to unload laundry at any time.

- 1 Press  and turn  to the desired cycle.
- 2 Press and hold  for 3 seconds during the wash cycle.
  -  light will turn on.
- 3 Select any desired options.
  - Skip to step 4 if you would like to use the default settings without changing or adding any options.
- 4 Press .

## Extra Rinse

You can add an extra rinse cycle to the default rinse cycle.

- 1 Press  and turn  to the desired cycle.
- 2 Press .
  -  light will turn on.
- 3 Press the desired option to use the other options.
  - Skip to step 4 to use the default setting without changing the options.
- 4 Press .

## Delay Wash

You can set the desired start time.

- 1 Press  and turn  to the desired cycle.
- 2 Press the desired option to use the other options.
- 3 Press  repeatedly to select the desired start time.
  -  light will turn on.
  - The set start time appears on the display panel.
  - Each press of the button increases the delay time by one hour, up to 19 hours.
- 4 Press .

## Steam

Adding the Steam option to these cycles help to enhance washing performance. By using a hot steam fabrics get the cleaning benefits of a super hot wash.

- 1 Press  and turn  to the desired cycle.
- 2 Press . The washer will automatically adjust the cycle settings.
- 3 Set any other desired options.
- 4 Press .

### ⚠ WARNING

- Do not touch the door during steam cycles. The door surface can become very hot. Allow the door lock to release before opening the door.
- Do not attempt to override the door lock mechanism or reach into the washer during a steam cycle. Steam can cause severe burns.

### ! NOTE

- The steam option cannot be used with all cycles.
- Steam may not be clearly visible during the steam cycles. This is normal. Too much steam could damage clothing.
- Do not use steam with delicate fabrics such as wool, silk, or easily discolored fabrics.

## Cold Wash™

Adding the Cold Wash™ option reduces energy usage and provides the same washing performance as a warm water wash. By using 6 different washing motion (Tumbling, Rolling, Stepping, Scrubbing, Swing, Filtration), fabrics get the cleaning benefits, without the energy usage.

- 1 Press  and turn  to the desired cycle.
- 2 Press . The washer will automatically adjust the cycle settings.
- 3 Set any other desired options.
- 4 Press .

### ! NOTE

- When you select the Cold Wash™ option, wash time will be increased up to 10 minutes.
- For high wash efficiency, it is recommended to use less than 8 pounds.

## Turbo Wash™

Adding the Turbo Wash™ option reduces cycle time and provides good performance in normal cycle. By using the Turbo Wash™, We can save the time without sacrificing performance.

- 1 Press  and turn  to the desired cycle.
- 2 Press . The washer will automatically adjust the cycle settings.
- 3 Set any other desired options.
- 4 Press .

### ! NOTE

- The Turbo Wash™ option cannot be used with all cycles.
- Turbo Wash™ is available in the beginning of the Cotton/Normal and Perm. Press cycles.
- Press and hold the Turbo Wash™ button to change the default settings.

## Setting Options During Cycle

You can add the desired options during the wash cycle.

### Child Lock

This feature locks the controls to prevent children or others from changing the cycle settings by pressing the buttons during the cycle. The feature does not lock the door.

#### Enabling Child Lock

Press and hold  for 3 seconds during the wash cycle.

- When Child Lock is enabled, a  message and the remaining wash time are displayed, in turn, on the display panel of the washing machine.

#### Disabling Child Lock

Press and hold  for 3 seconds during the wash cycle.

#### NOTE

- Once the washer has shut off, the Power button allows the machine to be turned on, but the controls are still locked. Press and hold the Rinse + Spin button for 3 seconds to disable Child Lock.

## Add Garments

Use this function to add garments or remove foreign objects like coins or keys after the cycle has started.

- 1 Press . The cycle pauses and the door unlocks.
- 2 Open the door, add garments or remove foreign objects, and close the door.
- 3 Press  to restart the cycle. The cycle continues automatically.

#### NOTE

- After checking the water level/temperature conditions for safety, the door unlocks once the wash movement has stopped. (Door Lock LED turns off.)
- This may take several seconds depending on the water level. When a lot of water is in the tub, the door unlocks after water drains to a safe level.
- If the temperature in the tub is higher than 113°F (45°C), a short warning chime sounds and Add Garments is NOT allowed for safety.
- Add Garments is disabled during the Tub Clean cycle for safety.
- To preserve wash performance, wash time may be extended depending on when garments are added to a cycle.

#### WARNING

- Be careful when opening the door as wet laundry may drip or fall out when the door is opened.
- Do not attempt to force the door to open when locked. Doing so could result in damage to the machine, malfunction, or personal injury.
- Make sure the area around the door seal is clear before closing the door. If laundry gets caught between the door and the seal, it can damage the rubber gasket and may result in leaking.

# MAINTENANCE

## Regular Cleaning

### 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

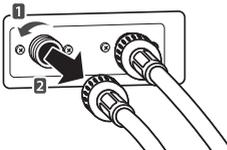
- Unplug the washer before cleaning to avoid the risk of electric shock. Failure to follow this warning can cause serious injury, fire, electric shock or death.
- Never use harsh chemicals, abrasive cleaners, or solvents to clean the washer. They will damage the finish.
- Do not use volatile substances (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.

## Care in Cold Climates

### Long-Term Storage

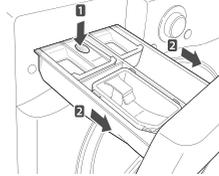
Follow these instructions when storing the washer for an extended period where it might be exposed to freezing temperatures.

- 1 Turn off the faucets connected with the water lines.
- 2 Unscrew the water lines from back of the washer.



- 3 Empty any water out of the water lines.
- 4 Press **⏻**.
- 5 Open the door and add 1 gallon (3.8 L) of nontoxic recreational vehicle (RV) antifreeze to the empty washer tub. DO NOT use automotive anti-freeze. Close the door.
- 6 Press **Spin Speed** for draining and spinning.

- 7 Press **▶|**.
  - Drain the water from the washing machine for 1 minute. Not all of the RV antifreeze will be expelled.
- 8 Press **⏻** to turn off the washing machine and pull out the power plug.
- 9 Dry the tub interior of the washer tub with a soft cloth, and close the door.



- 10 Press down hard on the disengage button and pull out the detergent dispenser drawer.
- 11 Drain the water from the detergent dispenser drawer and dry out each compartment.
- 12 Store the washing machine in an upright position.

### ! NOTE

- To remove the antifreeze after storing the washing machine, add detergent to the dispenser, and run one cycle. Do not load any laundry at this time.

### Thawing Frozen Water Lines

- 1 Turn off the faucets connected with the water lines.
- 2 Pour hot water on the frozen faucets to thaw the water lines and pull them out.
- 3 Immerse the water lines in hot water to thaw them.
- 4 Connect the water lines with the water inlets of the washing machine and faucets.
  - See page 14, **Connecting the water lines** for details.
- 5 Turn on the faucets.
- 6 Press **⏻**.
- 7 Press **Spin Speed**.
- 8 Press **▶|**.
  - Verify the water fills properly.

### Thawing Frozen Drain Lines

- 1 Pour hot water in the washer tub and close the door.
  - Leave it for 10 minutes.
- 2 Press  after 10 minutes.
- 3 Press  for draining and spinning.
- 4 Press .
  - Check if the water drains.

## Cleaning

Periodically clean the washing machine to help maintain its performance and to minimize the chance of malfunction.

### Tub Clean

“Improper installation or use of the washing machine in a humid space for a long period of time potentially could lead to a buildup of detergent residue in the washing machine that may produce mildew or musty smells. If you clean the washer tub regularly on a monthly basis using Tub Clean it will minimize the possibility that detergent residue will build up and mildew or musty smells may occur.”

- 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**, pull out the liquid detergent cup and add it into the main wash detergent compartment.
  - **When you use cleaning tablets**, place them directly into the washer tub. (Do not add tablet cleaner to the drawer.)
- 2 Press .
- 3 Turn  to Tub Clean.
  -  message appears in the display.
  - The indication light for Tub Clean turns on.
- 4 Press .

### ! NOTE

- Never load laundry while using Tub Clean. The laundry may be damaged. Make sure to clean the washer tub when it is empty.
- It is recommended to leave the door open after finishing the laundry to keep the tub clean.
- It is recommended that Tub Clean should be repeated monthly.
- If you notice mildew or musty smells, run Tub Clean for 3 consecutive weeks.
- Safely and conveniently secure the door slightly ajar with a magnetic door plunger. This will promote air circulation and help the machine to dry.

**Automatic Alert**

When the power is on and the **CL** message blinks, it means the washer tub needs cleaning. Use Tub Clean to clean the washer tub. The automatic indication alert for cleaning the washer tub depends on the frequency of use, however, the message will generally blink every 1~2 months.

**Removing Mineral Buildup**

If you live in an area with hard water, mineral scale can form on the internal components of the washing machine. Take extra care to periodically clean the mineral buildup on the internal components to extend the lifespan of the washing machine. Check if the descaler is suitable for cleaning the washer tub before using it and run the Tub Clean cycle. See page 30, **Tub Clean**, for details on tub clean.

**NOTE**

- In areas with hard water, it is recommended to use a water softener.
- Make sure to remove all loads from the washer tub before cleaning the washer tub. Cleaning the washer tub together with a load may result in contamination of or damage to the laundry.

**Removing Lime Buildup on Stainless Steel**

Wipe lime buildup or other spots on stainless steel with a soft cloth soaked in stainless steel cleaner.

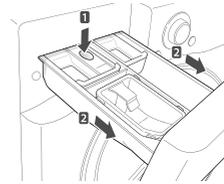
**NOTE**

- Never use steel wool or abrasive cleansers. Doing so may damage the washing machine.

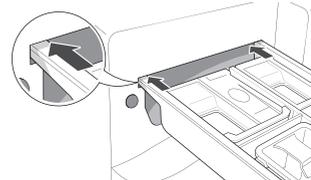
**Cleaning the Detergent Dispenser Drawer**

Leaving detergent in the detergent dispenser drawer for an extended period of time or using the washing machine for a long period of time may cause the build-up of scales in the detergent dispenser drawer. Pull out and clean the detergent dispenser drawer once a week.

- 1 Pull out the detergent dispenser drawer.
- 2 Press down hard on the disengage button and pull out the detergent dispenser drawer.



- 3 Remove the inserts from the drawer.
- 4 Clean them with warm water.
  - Use a soft cloth or brush for cleaning and remove any residue.
- 5 Wipe any moisture with a dry towel or cloth after cleaning.
- 6 Replace the detergent dispenser drawer.



**WARNING**

- Do not spray water inside the washing machine. Doing so may cause fire or electric shock.

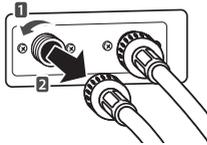
**NOTE**

- Use water only when you clean the detergent dispenser drawer. Make sure to use Rinse+Spin to rinse the washer tub before the wash cycle when you use a cleaning detergent to clean the washer tub.

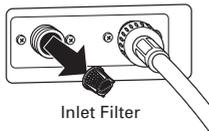
## Cleaning the Water Inlet Filters

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.

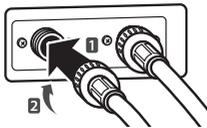
- 1 Press  to turn off the washing machine and pull out the plug.
- 2 Turn off the faucets connected with the water inlets.
- 3 Remove the water inlets.



- 4 Pull out the water inlet filter.



- 5 Remove foreign objects from the water filter inlet.
  - Soak the water filter inlets in white vinegar or a lime scale remover or use a toothbrush to remove foreign objects and rinse thoroughly.
- 6 Press the water filter inlets back into place.
- 7 Reattach the water lines to the washing machine.



## ⚠ WARNING

- Unplug the power cord and turn off the faucets before cleaning. Failure to do so may cause electric shock.
- Do not use the washing machine without the inlet filters. If you use the washing machine without the inlet filters it will cause leaks and malfunction.
- If you use the washing machine in an area with hard water, the inlet filter may clog due to lime buildup. Contact your nearest LG customer service center if the inlet filter is not clean or is missing.

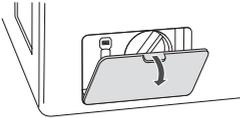
## ! NOTE

-  E 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 Press  to turn off the washing machine and pull out the plug.
- 2 Open the drain pump filter cover.



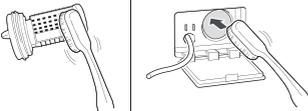
- 3 Unclip the drain hose and remove the plug from the drain hose to drain the remaining water.



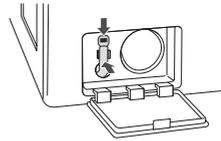
- 4 Twist the pump filter counterclockwise to remove.



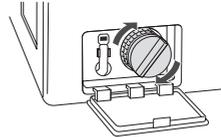
- 5 Clean the pump filter and opening.



- 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

-  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 undiluted bleach may cause malfunction of the door seal and washing machine parts. You must add water to the bleach before using it.