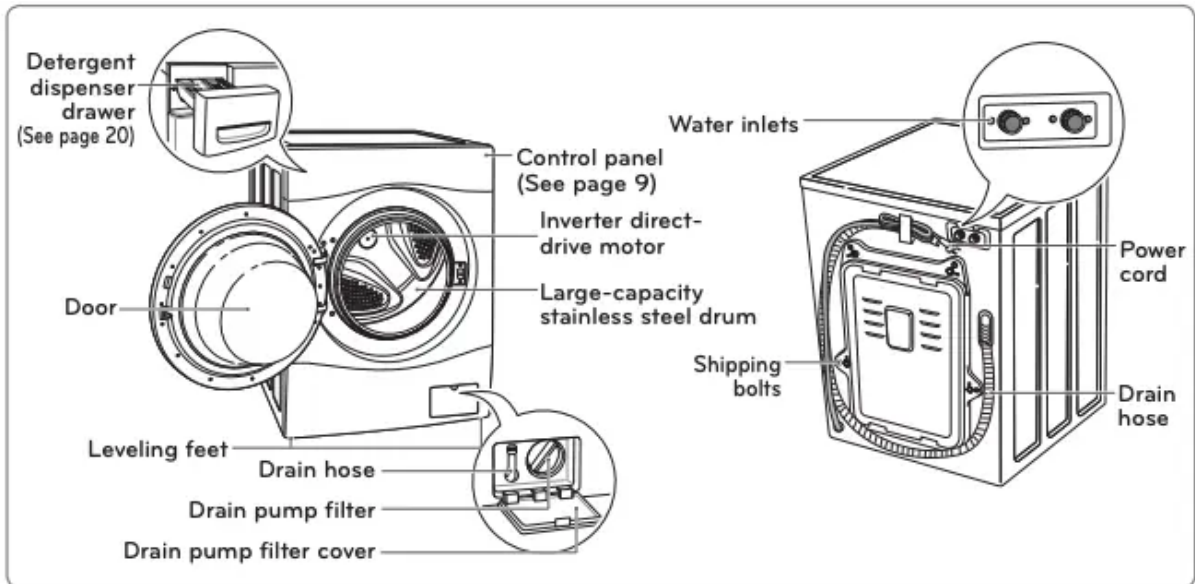


## PRODUCT OVERVIEW

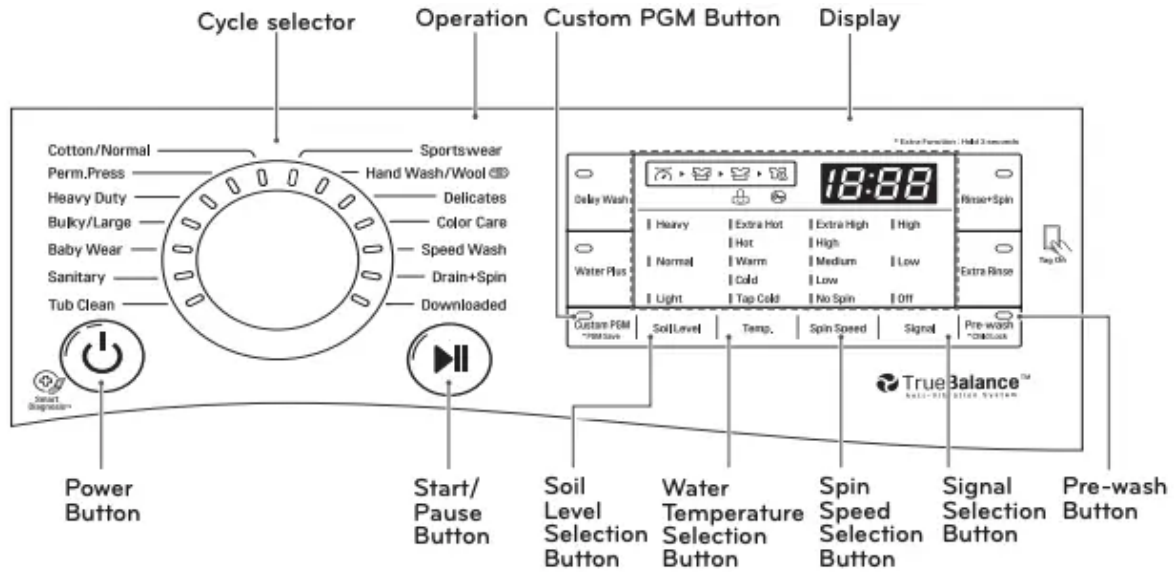
### Parts



### NOTE







- Contact LG Customer Service at 1-800-243-0000 (1-888-542-2623 in Canada) if any accessories are missing.
- 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 components or parts.
- The images in this guide may be different from the actual components and accessories, and are subject to change by the manufacturer without prior notice for product improvement purposes.

## Control Panel Features

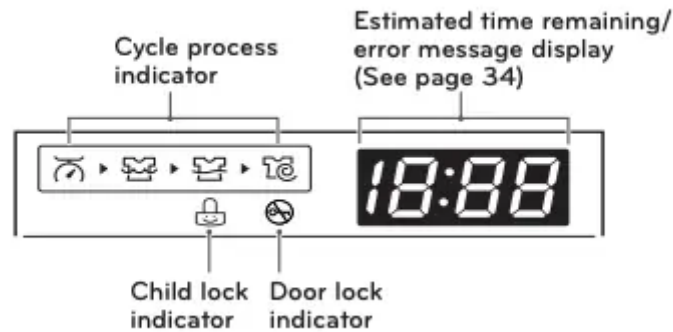


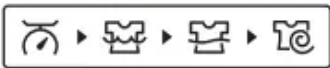



## Operation

Button	Description
	<ul style="list-style-type: none"> <li>Turns the washing machine on and off.</li> <li>(During the wash cycle) stops operation, and cancels the settings.</li> </ul>
<ul style="list-style-type: none"> <li>Cotton/Normal</li> <li>Perm.Press</li> <li>Heavy Duty</li> <li>Bulky/Large</li> <li>Baby Wear</li> <li>Sanitary</li> <li>Tub Clean</li> <li>Sportswear</li> <li>Hand Wash/Wool (CD)</li> <li>Delicates</li> <li>Color Care</li> <li>Speed Wash</li> <li>Drain+Spin</li> <li>Downloaded</li> </ul>	<ul style="list-style-type: none"> <li><b>Tub Clean</b> - For tub clean (see page 29).</li> <li><b>Sanitary</b> - For underwear, diapers, etc. (see page 24).</li> <li><b>Baby Wear</b> - For lightly soiled baby clothes (see page 24).</li> <li><b>Bulky/Large</b> - For blankets or large, bulky items (see page 24).</li> <li><b>Heavy Duty</b> - For heavily soiled cotton fabric (see page 24).</li> <li><b>Perm. Press</b> - For wrinkle-free fabrics (see page 24).</li> <li><b>Cotton/Normal</b> - For general laundry, such as cotton T-shirts or towels (see page 24).</li> <li><b>Sportswear</b> - For high-performance fabrics which need special care (see page 24).</li> <li><b>Hand Wash/Wool</b> - For wool or hand-wash fabrics (see page 24).</li> <li><b>Delicates</b> - For sheer and delicate fabrics (see page 24).</li> <li><b>Color Care</b> - For dark clothing made from cotton or fabric blends (see page 24).</li> <li><b>Speed Wash</b> - For small quantities of lightly soiled items (see page 24).</li> <li><b>Drain+Spin</b> - For items that only require draining and spinning (see page 24).</li> </ul>
	<ul style="list-style-type: none"> <li>Starts or pauses the wash cycle.</li> <li>If you do not press the Start/Pause button within 4 minutes of selecting a cycle, the washing machine will turn off automatically and all settings will be lost.</li> </ul>
Soil Level	<ul style="list-style-type: none"> <li>(Press repeatedly) Selects a wash cycle by soil level (see page 25).</li> <li>Selects soil level from 3 settings.</li> </ul>
Temp.	<ul style="list-style-type: none"> <li>(Press repeatedly) Selects the water temperature for the wash cycle (see page 25).</li> <li>Selects water temperature from 5 settings.</li> </ul>
Spin Speed	<ul style="list-style-type: none"> <li>(Press repeatedly) Selects the spin speed (see page 25).</li> <li>Selects spin speed from 5 settings.</li> </ul>
Signal	<ul style="list-style-type: none"> <li>(Press repeatedly) Sets the volume of the cycle complete melody and button sounds (see page 26).</li> </ul>

Button	Description
	<ul style="list-style-type: none"> <li>Set the delay time of starting the cycle (see page 26).</li> </ul>
	<ul style="list-style-type: none"> <li>Use this option to add extra water to the wash and rinse cycles for better wash performance with large or bulky items (see page 26).</li> </ul>
	<ul style="list-style-type: none"> <li>Use this option to save a special combination of settings that you use frequently. (see page 27.)</li> </ul>
	<ul style="list-style-type: none"> <li>Use this option to rinse detergent from the load. (see page 26.)</li> </ul>
	<ul style="list-style-type: none"> <li>Add an extra rinse to the selected cycle (see page 26).</li> </ul>
	<ul style="list-style-type: none"> <li>(Press before wash cycle) Pre-wash heavily soiled laundry (see page 26).</li> <li>(Press and hold during wash cycle) Lock/Unlock the buttons (see page 27).</li> </ul>

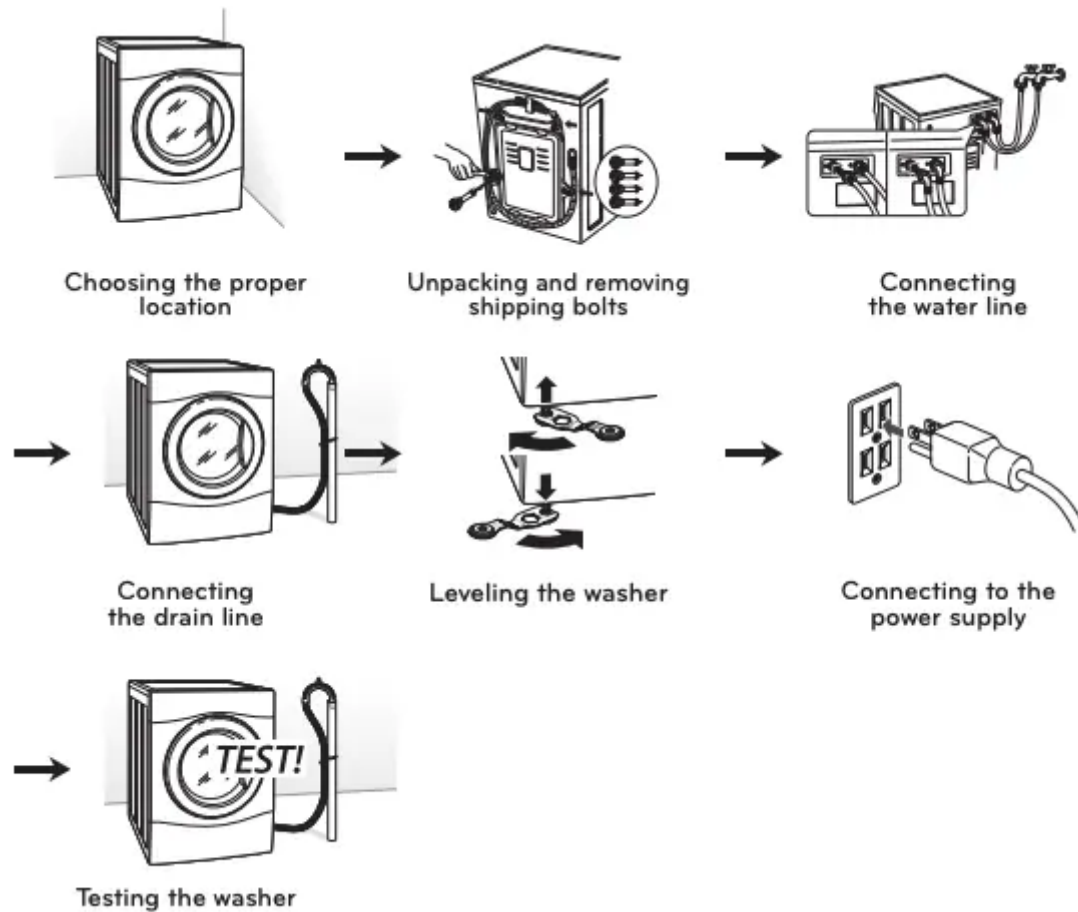
## Display



Display Icon	Description
	<ul style="list-style-type: none"> <li>This portion of the display shows which stage of the wash cycle is currently underway (Sensing, Wash, Rinse, Spin).</li> </ul>
	<ul style="list-style-type: none"> <li>This indicator shows that the door is locked. The washer door will lock while the washer is operating. The door can be unlocked by pressing the Start/Pause button to stop the washer.</li> </ul>
	<ul style="list-style-type: none"> <li>This indicator shows that the washer has been set for Child Lock. The Child Lock function locks the buttons on the control panel to prevent them from being used.</li> </ul>
	<ul style="list-style-type: none"> <li>When the Start/Pause button is pressed, the washer automatically detects the wash load (weight) and optimizes the washing time, based on the selected cycle and options. The display will then indicate the estimated time remaining for the selected wash cycle.</li> </ul>

# INSTALLATION

## Installation Overview



## WARNING

- Washer is heavy! Two or more people are required when moving and unpacking the washer. Failure to follow this warning can result in back or other injury.
- Store and install the washer where it will not be exposed to temperatures below freezing or exposed to outdoor weather conditions. Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- Properly ground washer to conform with all governing codes and ordinances. Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- To reduce the risk of electric shock, do not install the washer in humid spaces. Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- The base opening must not be obstructed by carpeting when the washer is installed on a carpeted floor.
- Do not remove ground prong. Do not use an adapter or extension cord. Plug into a grounded 3-prong outlet. Failure to follow this warning can cause serious injury, fire, electric shock, or death.

- 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.

## 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 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 (mesh bag).
- 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 items may be damaged due to particles rubbing against sheer fabrics.

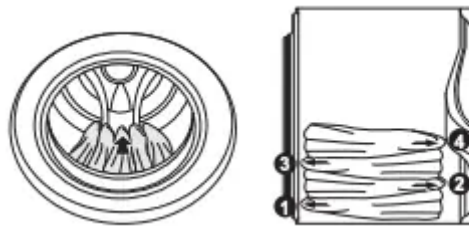
- Wash blankets individually.

- Washing more than one blanket in a load may produce inferior 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 be damaged 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

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 detergent packaging.



**Specially designed to use only HE (High-Efficiency) detergent**

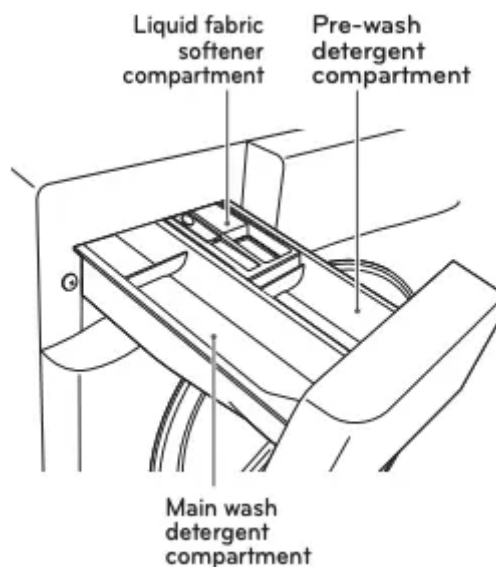
## NOTE

- Only use HE detergents, because 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 buildup 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 each detergent to its appropriate 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**

- 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 on 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.

### **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



	<p>Load the laundry into the washing machine and close the door.</p>
	<p>Press the Power button.</p> <ul style="list-style-type: none"> <li>- The lights around the cycle selector knob will illuminate and a chime will sound.</li> </ul>
	<p>Turn the cycle selector knob in either direction to select the desired cycle.</p> <ul style="list-style-type: none"> <li>- 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.</li> <li>- See page 24, Wash Cycles, for details on the wash cycles.</li> <li>- 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. -</li> </ul> <p>Skip to step 4 to use the default setting without changing the options.</p>
	<p>Add the proper amount of detergent and additions (bleach, softener) into the detergent dispenser drawer.</p> <ul style="list-style-type: none"> <li>- See page 20, Using Detergent/Fabric Softener, for more details on using detergent.</li> </ul>
	<p>Press the Start/Pause button.</p> <ul style="list-style-type: none"> <li>- The washing machine will start.</li> </ul>
	<p>When the melody plays, the wash cycle is finished.</p>



- 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.

#### Cycle Guide

The cycle guide below shows the options and recommended fabric types for each cycle. ● = Available option

CYCLE	FABRIC TYPE	BASIC OPTION (*=DEFAULT)			ADDITIONAL OPTIONS				
		Soil Level	Temp.	Spin Speed	Delay Wash	Water Plus	Rinse+ Spin	Extra Rinse	Pre-Wash
Tub Clean	Removes residue and odors from washer drum								
Sanitary	Heavily soiled underwear, work clothes, diapers, etc.	Heavy Normal*	Extra Hot*	Extra High* High Medium Low No Spin	•	•	•	•	•
Baby Wear	Lightly soiled baby clothes	Heavy Normal*	Hot* Warm	High* Medium Low No Spin	•	•	•	•	•**
Bulky/ Large	Large items such as blankets and comforters	Heavy Normal*	Warm* Cold Tap Cold	High Medium* Low No Spin	•	•	•	•	
Heavy Duty	Heavily soiled cotton fabrics	Heavy Normal* Light	Hot Warm*	Extra High High Medium* Low No Spin	•	•	•	•	•
Perm. Press	Dress shirts/pants, wrinkle free clothing, poly/cotton blend clothing, tablecloths	Heavy Normal* Light	Warm* Cold Tap Cold	Extra High* High Medium Low No Spin	•	•	•	•	•
Cotton/ Normal	Cotton, linen, towels, shirts, sheets, jeans, mixed loads	Heavy Normal* Light	Hot Warm* Cold Tap Cold	Extra High High* Medium Low No Spin	•	•	•	•	•
Sportswear	High-performance fabrics that need special care	Heavy Normal*	Warm* Cold Tap Cold	Medium* Low No Spin	•	•	•	•	
Hand Wash/ Wool	Items labeled "hand washable"	Heavy Normal*	Warm* Cold Tap Cold	Medium* Low No Spin	•	•	•	•	
Delicates	Dress shirts/blouses nylons, sheer or lacy garments	Heavy Normal*	Warm Cold* Tap Cold	Medium* Low No Spin	•	•	•	•	
Color Care	Dark clothing made from cotton or fabric blends	Heavy Normal*	Warm Cold* Tap Cold	Extra High High Medium* Low No Spin	•	•	•	•	
Speed Wash	Lightly soiled clothing and small loads	Heavy Normal*	Warm Cold* Tap Cold	Extra High High Medium* Low No Spin	•	•	•	•	•
Drain+Spin	Drain and spin only			Extra High* High Medium Low No Spin	•				

- Cycle time depends on water pressure, type and amount of load, and chosen additional options.
- To protect your garments, not every wash/rinse temperature, spin speed, soil level, or option is available with every cycle.

\*\*This option is turned on by default for this cycle. To turn it off, press the Pre-wash button.



## **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 cycle selector knob in either direction to select the desired cycle. When you select a wash cycle, the light for the corresponding wash cycle will turn on. See page 22, Using the Washer, for more details on operating methods.

### **Sanitary: Reducing Laundry Bacteria**

This wash cycle helps to remove heavy soil on laundry through high temperature.

### **Baby Wear: Lightly Soiled Baby Clothes**

This cycle helps remove food stains from baby clothes using a powerful rinse.

### **Bulky/Large: Blankets or Bulky Items**

This cycle is for washing blankets or bulky items.

### **Heavy Duty: Heavily Soiled Items**

This cycle is for washing heavily soiled laundry through more powerful drum rotation.

### **Perm. Press: Wrinkle-Free Items**

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

### **Cotton/Normal: Normal Items**

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

#### **NOTE**

- If you press the Power button and the Start/ Pause button without selecting another cycle, the washing machine defaults to the Cotton/ Normal cycle.

### **Sportswear: High-Performance Fabrics**

Use this cycle for garments that are specially designed and treated for sports.

### **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 pound (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.

### **Delicates: Sheer Items**

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

### **Color Care: Keep Fabrics from Fading**

This cycle helps to prevent fading in dark clothing made from cotton or fabric blends.

### **Speed Wash: Washing Quickly**

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

#### **NOTE**

- Use very little detergent in this cycle. For additional rinsing, add an extra rinse using the option button.

### **Drain+Spin: Drain and Spin Only**

This cycle is for draining and spinning without the wash and rinse cycle, or for removing the load from the washing machine in the middle of the cycle.

### **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.

#### **Soil Level**

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

1. Press the Power button and turn the cycle selector knob in either direction to select the desired cycle.
2. Press the Soil Level button repeatedly to select a soil level.  
- When you press the button, an indicator light for the corresponding selection will turn on in the display.
3. You can now modify other cycle settings and add options (see pages 25-27), or proceed to step 4 to begin the cycle.

4. Press the Start/Pause button.

#### **NOTE**

- This feature will add time for heavily soiled loads or subtract time for lightly soiled loads.

#### **Temp.**

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

1. Press the Power button and turn the cycle selector knob in either direction to select the desired cycle.
2. Press the Wash Temp button repeatedly to select the desired water temperature: When you press the button, an indicator light for the corresponding selection will turn on in the display.
3. You can now modify other cycle settings and add options (see pages 25-27), or proceed to step 4 to begin the cycle.
4. Press the Start/Pause button.

#### **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.

1. Press the Power button and turn the cycle selector knob in either direction to select the desired cycle.
2. Press the Spin Speed button repeatedly to select the desired spin speed. When you press the button, an indicator light for the corresponding selection will turn on in the display.
3. You can now modify other cycle settings and add options (see pages 25-27), or proceed to step 4 to begin the cycle.
4. Press the Start/Pause button.

#### **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.

## Signal

The washing machine plays a melody when the wash cycle is finished. The buttons make a sound each time a button is pressed. The volume of the melody and button tones can be changed or turned off as desired.

1. Press the Power button and turn the cycle selector knob in either direction to select the desired cycle.
2. Press the Signal button. Adjust the melody and button tones as desired.
3. You can now modify other cycle settings and add options (see pages 25-27), or proceed to step 4 to begin the cycle.
4. Press the Start/Pause button.

## Delay Wash

Set the desired start time for the cycle.

1. Press the Power button and turn the cycle selector knob in either direction to select the desired cycle.
2. Modify the cycle settings and add other options see pages 25-27), if desired.
3. Press the Delay Wash button repeatedly to select the desired start time.
  - The Delay Wash indicator 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 the Start/Pause button.

## Water Plus

Use this option to add extra water to the wash cycle for better wash performance(Stain Treatment) with large or bulky items.

1. Press the Power button and turn the cycle selector knob in either direction to select the desired cycle.
2. Press the Water Plus button..
  - The indicator light will turn on.
3. You can now modify other cycle settings and add options (see pages 25-27), or proceed to step 4 to begin the cycle.
4. Press the Start/Pause button.

## Rinse+Spin

Use this cycle to rinse detergent from the load.

1. Press the Power button and turn the cycle selector knob in either direction to select the desired cycle.
2. Press the Rinse+Spin button.
3. Press the Spin Speed button repeatedly to set the spin speed.

- The indicator light for the selected spin speed will turn on.

4. Press the Start/Pause button.

### **Extra Rinse**

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

1. Press the Power button and turn the cycle selector knob in either direction to select the desired cycle.
2. Press the Extra Rinse button.

- The Extra Rinse indicator light will turn on.

3. You can now modify other cycle settings and add options (see pages 25-27), or proceed to step 4 to begin the cycle.

4. Press the Start/Pause button.

### **Pre-wash**

Pre-wash for 17 minutes when clothes are covered in dirt or dust. This feature is suitable for heavily soiled items.

1. Press the Power button and turn the cycle selector knob in either direction to select the desired cycle.
2. Press the Pre Wash button.

- The indicator light will turn on.

3. You can now modify other cycle settings and add options (see pages 25-27), or proceed to step 4 to begin the cycle.

4. Press the Start/Pause button.

## **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

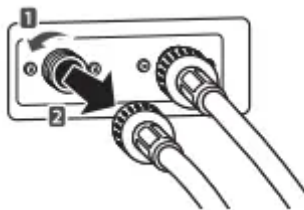
- Unplug the washer before cleaning to avoid the risk of electric shock. Failure to follow this warning can cause serious injury, fire, electric shock or death.
- Never use harsh chemicals, abrasive cleaners, or solvents to clean the washer. They will damage the finish.
- Do not use volatile substances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

## Care in Cold Climates

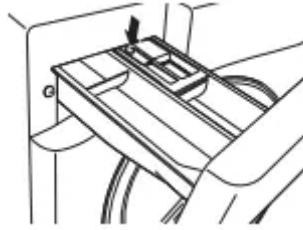
### Long-Term Storage

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 the back of the washer.



- 3 Empty any water out of the water lines.
- 4 Press the Power button.
- 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 the Spin Speed button for draining and spinning.
- 7 Press the Start/Pause button.
  - Drain the water from the washing machine for 1 minute. Not all of the RV antifreeze will be expelled.
- 8 Press the Power button to turn off the washing machine and pull out the power plug.
- 9 Dry the 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 the Power button.

7 Press the Rinse+Spin button.

8 Press the Start/Pause button.

- Verify the water fills properly.

#### **Thawing a Frozen Drain Line**

1 Pour hot water in the washer tub and close the door.

- Leave it for 10 minutes.

2 Press the Power button after 10 minutes.

3 Press the Spin Speed button for draining and spinning.

4 Press the Start/Pause button.

- 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 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 liquid chlorine bleach or tub cleaner to the detergent compartment. Some powdered or tablet tub cleaners which are manufactured for this purpose can be used.

(Do not add any laundry detergent or fabric softener to the drawer when using Tub Clean.)

#### - If using powdered cleaner

Add powdered cleaner to the main wash compartment of the drawer.

#### - If using tablet cleaner

Add tablet cleaner to the wash drum directly.

( Do not add tablet cleaner to the drawer.)

2 Press the Power button.

3 Turn the cycle selector knob to select Tub Clean.

- **t c l** message appears in the display.

- The indicator light for Tub Clean turns on.

4 Press the Start/Pause button.

### NOTE

- Never load laundry while using Tub Clean. The laundry may be damaged. Make sure to clean the washer tub when it is empty.
- Leave the door open after finishing the laundry to help keep the tub clean.
- Repeat the Tub Clean cycle monthly.
- If you notice mildew or musty smells, run Tub Clean once a week for three consecutive weeks.

### Automatic Alert

When the power is on and the **t c l** message blinks, it means the washer tub needs cleaning. Use Tub Clean to clean the washer tub. The automatic indicator 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 29, Tub clean for details on tub clean.

#### **NOTE**

- In areas with hard water, use of a water softener is recommended.
- Make sure to remove all laundry from the washer tub before cleaning the washer tub. Cleaning the washer tub together with laundry 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.

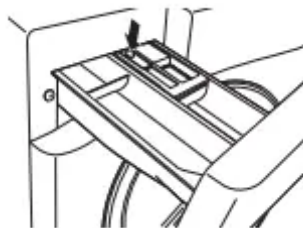
#### **NOTE**

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

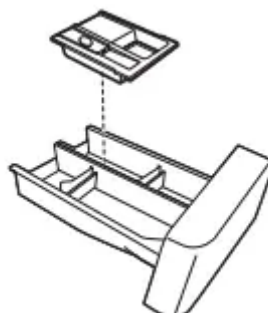
#### **Cleaning the Detergent Dispenser Drawer**

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

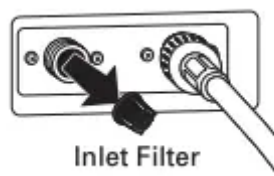
## Cleaning the Water Inlet Filters

Clean the water inlet filters periodically to prevent clogging. Take extra care to clean the water inlet filters in 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 the Power button 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.

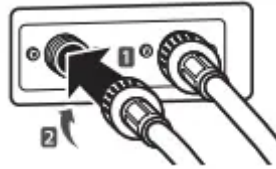


5 Remove foreign objects from the water filter inlet.

- 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 cannot be cleaned or is missing.

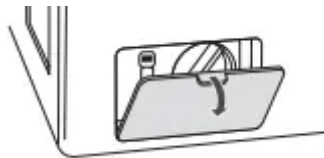
## NOTE

- **I 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 the Power button 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.



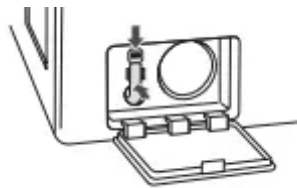
- 4 Twist the pump filter counterclockwise to remove it.



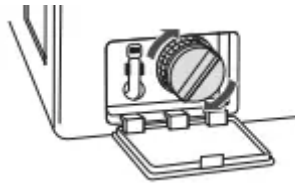
5 Clean the pump filter and opening.



6 Reinstall 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 buildup 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 liquid chlorine bleach may cause malfunction of the door seal and washing machine parts.

## **TROUBLESHOOTING**

### **Checking Error Messages**

If the following message appears on the display, check the following and take the appropriate corrective action.

Message	Possible Causes	Solutions
<b>UE</b>	<p>Item of clothing has gathered on one side of the tub/drum.</p> <ul style="list-style-type: none"> <li>• There are not enough items in the machine.</li> <li>• Load is too small or is not balanced in the tub/drum.</li> <li>• Washing stuffed animals, floor mats or knitwear.</li> <li>• Too many blankets in load.</li> </ul>	<ul style="list-style-type: none"> <li>• Rearrange items to help balance the load.</li> <li>• Stuffed animals or mats can become unbalanced during spinning and the washing machine may fail to drain. Rearrange the knitwear to help balance the load and drain it again.</li> <li>• Put one blanket in at a time.</li> </ul>
<b>IE</b>	<p>Water is not supplied or the water pressure is low</p> <ul style="list-style-type: none"> <li>• Faucet is turned off.</li> <li>• Water supply is turned off or pipes have frozen.</li> <li>• Low water pressure or clogged inlet filter.</li> <li>• Water line not properly connected to cold water inlet.</li> <li>• Water line pinched or bent.</li> </ul>	<p>Turn on the faucets.</p> <ul style="list-style-type: none"> <li>• If a faucet is frozen, thaw it with warm water.</li> <li>• If the inlet filter is clogged, clean it. (see page 31)</li> <li>• Connect the water line properly to the cold water inlet. (see page 14)</li> <li>• Check that the water lines are not pinched or bent. Take extra care that water lines are not twisted or pinched by other objects.</li> </ul>
	<p>Water line leaks in connection</p> <ul style="list-style-type: none"> <li>• Water lines not connected properly to the faucets.</li> </ul>	<ul style="list-style-type: none"> <li>• Connect the water lines properly to the faucets. (see page 14)</li> </ul>
<b>dE</b>		



<p><b>dE1</b></p> <p><b>dE2</b></p>	<p>The tub does not rotate</p> <ul style="list-style-type: none"> <li>• Door/lid is not securely closed.</li> </ul>	<ul style="list-style-type: none"> <li>• Close and secure the door. If the message keeps appearing, unplug the power and contact your nearest LG service center.</li> </ul>
<p><b>OE</b></p>	<p>The washing machine drains slowly or not at all</p> <ul style="list-style-type: none"> <li>• Drain hose is installed over 3 1/4 feet (1 m) from the end of the elbow bracket.</li> <li>• Drain hose is pinched or clogged.</li> <li>• Drain hose is frozen.</li> <li>• Drain hose is blocked by a foreign object.</li> </ul>	<ul style="list-style-type: none"> <li>• Lower the drain hose within 3 feet below the end of the elbow bracket.</li> <li>• Place the drain hose on a smooth surface to prevent bending.</li> <li>• If the drain hoses are frozen, thaw them in warm water.</li> <li>• Open the drain pump plug cap and remove the dirt.</li> </ul>
<p><b>PF</b></p>	<p>A power failure has occurred.</p>	<p>Press the Power button to turn off the washing machine and press it again to turn it on.</p>
<p><b>tE</b></p>	<p>Control Error.</p>	<p>Unplug the power cord and contact your nearest LG service center.</p>
<p><b>FE</b></p>	<p>The water supply does not stop</p> <ul style="list-style-type: none"> <li>• Water is repeatedly supplied then drained.</li> </ul>	<p>Unplug the power cord and contact your nearest LG service center</p>
<p><b>PE</b></p>	<p>The water level is not controlled</p> <ul style="list-style-type: none"> <li>• Water level is too low or high for the load size.</li> </ul>	<ul style="list-style-type: none"> <li>• The water level sensor is not working correctly.</li> <li>• Unplug the power cord and contact your nearest LG service center.</li> </ul>
<p><b>LE</b></p>		<ul style="list-style-type: none"> <li>• Rearrange the load size and restart the washing machine.</li> </ul>



	<p>The tub does not rotate</p> <ul style="list-style-type: none"> <li>• Tub/drum is overloaded.</li> </ul>	<ul style="list-style-type: none"> <li>• If the load size is big, the tub may not rotate due to an overheated motor. Allow the washing machine to stand for a while and restart the cycle. Unplug the power cord and contact your nearest LG service center if the same error message appears.</li> </ul>
<b>t cL</b>	<p>To clean up the tub, please run the TUB CLEAN cycle.</p>	<ul style="list-style-type: none"> <li>• Please empty the tub and insert bleach into the detergent dispenser and select the Tub Clean cycle.</li> <li>• If you want to skip the Tub Clean, turn the CYCLE SELECTOR KNOB or push the option buttons to select a cycle. The message will keep appearing until a few wash cycles have been completed, then it will disappear until the next scheduled time to clean the tub.</li> </ul>
<b>FF</b>	<ul style="list-style-type: none"> <li>• Water lines are frozen.</li> <li>• Drain line or pump is frozen.</li> </ul>	<ul style="list-style-type: none"> <li>• Unfreeze the water outlet hose and drain pump by pouring hot water into the washer. Close the door/lid and wait for 1-2 hours.</li> <li>• Unfreeze the water inlet line by wetting a towel in warm water and wrapping it around the frozen faucet.</li> <li>• See Care in Cold Climates for further information.</li> </ul>

## Before Calling for Service

Check the following before calling for service.

<b>Problem</b>	<b>Possible Causes</b>	<b>Solutions</b>
<b>Clicking sound</b>	Clicking sound when closing, locking or unlocking the door.	This sound is normal and occurs when the door is closed, locked or unlocked.
<b>Spraying or hissing sound</b>	Water is filling the tub/drum.	This sound is normal as water is spraying or circulating during the cycle.
<b>Buzzing or gushing sound</b>	Water is draining from the tub/drum	This sound is normal as the drain pump drains water from the washing machine after the cycle.
<b>Splashing sound</b>	Washer is agitating laundry.	This sound is normal as the load is moving up and down during the wash and rinse cycles.
<b>Rattling and clanking noise</b>	Foreign objects such as keys, coins, or safety pins stuck in the tub/drum or drain filter.	<ul style="list-style-type: none"> <li>• Check if there are any foreign objects in the tub and drain the filter after stopping the cycle.</li> <li>• Unplug the power cord and contact your nearest LG service center if the noise persists.</li> </ul>
<b>Thumping sound</b>	<ul style="list-style-type: none"> <li>• Washer is overloaded.</li> <li>• Load is unbalanced.</li> </ul>	<ul style="list-style-type: none"> <li>• This sound is normal and occurs when the load is out of balance. Stop the cycle and rearrange the load for balancing.</li> </ul>
<b>Vibrating noise</b>	<ul style="list-style-type: none"> <li>• Shipping bolts have not been removed.</li> <li>• Load is unevenly distributed in the tub/drum.</li> <li>• Washer has not been leveled properly.</li> <li>• Floor is slanted or not sturdy enough.</li> </ul>	<ul style="list-style-type: none"> <li>• See page 13, Unpacking and Removing Shipping Bolts, to remove the shipping bolts.</li> <li>• Stop the cycle and rearrange the load for balancing.</li> <li>• See page 16, Leveling the Washer, to level the washing machine.</li> <li>• Check if the floor is solid and level.</li> </ul>

<p><b>Water leaking around washer</b></p>	<ul style="list-style-type: none"> <li>• Water is leaking from a faucet or water line.</li> <li>• The drain pipe or drain hose is clogged.</li> </ul>	<ul style="list-style-type: none"> <li>• Check the faucets or water lines.</li> </ul> <p>- If the water lines are loosely connected, see page 14, Connecting Water Lines, to connect them properly.</p> <ul style="list-style-type: none"> <li>• Unclog the drain pipe or drain hose. Contact a plumber if necessary</li> </ul>
<p><b>Excessive suds or failure to rinse</b></p>	<ul style="list-style-type: none"> <li>• Too much detergent for load size.</li> <li>• Too much detergent for soil level.</li> </ul>	<ul style="list-style-type: none"> <li>• Use the recommended amount of detergent for the load.</li> <li>• If the soil level is low, reduce the detergent quantity to less than the recommended level.</li> </ul> <p>Only use detergent with the HE (High-Efficiency) logo.</p>
<p><b>Staining</b></p>	<ul style="list-style-type: none"> <li>• Detergent added directly to tub/ drum.</li> <li>• Load left in tub/drum after cycle finished.</li> <li>• Load not sorted properly.</li> </ul>	<ul style="list-style-type: none"> <li>• Make sure to load detergent into the detergent dispenser drawer.</li> <li>• Remove the load immediately after it finishes.</li> <li>• Sort and separate dark colors from light or white ones, and heavily soiled items from lightly soiled ones. See page 19, Sorting Laundry, for details</li> </ul>
<p><b>Wrinkling</b></p>	<ul style="list-style-type: none"> <li>• Load left in tub/drum after cycle finished.</li> <li>• Tub/drum overloaded.</li> <li>• Hot and cold water inlets reversed.</li> </ul>	<ul style="list-style-type: none"> <li>• Remove the load immediately after it finishes.</li> <li>• Do not overload the tub.</li> <li>• Hot water rinse can cause garments to wrinkle. Check the inlet hose connections.</li> </ul>
<p><b>Power will not turn on</b></p>	<ul style="list-style-type: none"> <li>• Power cord not plugged in properly.</li> </ul>	



	<ul style="list-style-type: none"> <li>• House fuse blown, circuit breaker tripped, power outage.</li> </ul>	<ul style="list-style-type: none"> <li>• Make sure that the plug is secured in a grounded 3-prong, 120 V (60 Hz) outlet.</li> <li>• Reset the circuit breaker or replace the fuse. Do not increase the fuse capacity. If the problem is a circuit overload, have it corrected by a qualified electrician.</li> </ul>
<p><b>The door does not open when the cycle pauses or finishes</b></p>	<ul style="list-style-type: none"> <li>• Temperature in tub/drum too high.</li> <li>• Water level in tub/drum too high.</li> </ul>	<ul style="list-style-type: none"> <li>• The washing machine has a safety lock built into the door to prevent burning. Leave the door closed and wait until the door lock icon disappears from the display.</li> <li>• Allow the washer to complete the programmed cycle, or press the SPIN button.</li> </ul>
<p><b>The wash cycle time is longer than usual</b></p>	<ul style="list-style-type: none"> <li>• Tub/drum is overloaded or selected options have increased the cycle time.</li> </ul>	<ul style="list-style-type: none"> <li>• This is normal. The washing machine automatically adjusts the cycle time for the amount of laundry, water pressure, water temperature, and other operating conditions.</li> </ul>
<p><b>It is musty or moldy in the tub</b></p>	<ul style="list-style-type: none"> <li>• Incorrect detergent used.</li> <li>• Tub needs to be cleaned and maintained properly.</li> </ul>	<ul style="list-style-type: none"> <li>• Use only HE (High-Efficiency) detergent recommended for a frontloading washing machine.</li> <li>• See page 29, clean the inside and outside of the washing machine periodically</li> </ul>
<p><b>Banging noise when washer is filling with water (Water Hammer)</b></p>	<ul style="list-style-type: none"> <li>• Plumbing in the home moves or flexes when the water valves in the washer shut off.</li> </ul>	<ul style="list-style-type: none"> <li>• Water hammer is not caused by a defect in the washer. Install water hammer arrestors (purchased separately at hardware or home improvement</li> </ul>

	<ul style="list-style-type: none"> <li>• Household water supply pressure is very high.</li> </ul>	<p>store) between the fill hose and the washer for best results.</p> <ul style="list-style-type: none"> <li>• Adjust household water supply regulator to a lower pressure or contact a plumber to have a regulator installed.</li> </ul>
<p><b>Strange odors coming from washer</b></p>	<ul style="list-style-type: none"> <li>• First time using washer</li> <li>• Buildup of dirt on gasket or drum, dirty or clogged drain pump filter, kinked or clogged drain hose</li> </ul>	<ul style="list-style-type: none"> <li>• Smell comes from the rubber attached to the washer door. It will eventually dissipate after first couple of wash cycles.</li> <li>• Periodically clean the gasket. Mold and foreign substances inside the gasket may produce mildew or musty smells.</li> <li>• Clean the drain pump filter regularly. Foreign substances on the drain pump filter may produce mildew or musty smells.</li> <li>• If the drain hose is not installed properly, the odor may be emitted because of a backflow of drainage into the tub. Make sure that the drain hose is not kinked or clogged.</li> </ul>
<p><b>Odor</b></p>	<ul style="list-style-type: none"> <li>• This odor is caused by the rubber attached to the washing machine.</li> <li>• If the rubber door gasket and door seal area are not cleaned regularly, odors can occur from mold or foreign substances.</li> <li>• Odors can occur if foreign substances are left in the drainage pump filter.</li> </ul>	<ul style="list-style-type: none"> <li>• It is the normal odor of new rubber and will disappear after the machine has been run a few times.</li> <li>• Be sure to clean the gasket and door seal regularly and check under the door seal for small items when unloading the washer.</li> <li>• Be sure to clean the drainage pump filter regularly.</li> </ul>



- |  |   |  |
|--|---|--|
|  | <ul style="list-style-type: none"><li>• Odors can occur if the drainage hose is not properly installed, causing siphoning (water flowing back inside the washing machine).</li><li>• Using the dry function, odors can occur from lint and other laundry matter sticking to the heater. (Dryer model only)</li><li>• A particular odor can occur from drying wet clothes with hot air. (Dryer model only)</li></ul> | <ul style="list-style-type: none"><li>• When installing the drainage hose, be sure that it doesn't become kinked or blocked.</li><li>• This is not a malfunction.</li><li>• The odor will disappear after a short while.</li></ul> |
|--|---|--|

### **Warning**

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