



ENGLISH

OWNER'S MANUAL

FRONT LOADING

AUTOMATIC WASHER

Please read this owner's manual thoroughly before operating and keep it handy for reference at all times.

WM8500H*A



P/No.: MFL68005501

www.lg.com

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IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

⚠ WARNING

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

Your Safety and the safety of others are very important.

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

⚠ This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word DANGER, WARNING or CAUTION. These words mean:

⚠ DANGER

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

⚠ WARNING

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

⚠ CAUTION

You may be slightly injured or cause damage to the product if you do not follow instructions.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.

BASIC SAFETY PRECAUTIONS

⚠ WARNING

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

- Use this appliance only for its intended purpose as described in this owner's Manual.
- Before use, the washer must be properly installed as described in this manual.
- Do not wash articles that have been previously cleaned in, washed in, soaked in, or spotted with gasoline, dry cleaning solvents, or other flammable or explosive substances, as they give off vapors that could ignite or explode.
- Do not add gasoline, dry cleaning solvents, or other flammable or explosive substances to the wash water. These substances give off vapors that could ignite or explode.
- Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for 2 weeks or more. HYDROGEN GAS IS EXPLOSIVE. If the hot water system has not been used for such a period, before using the washer, turn on all hot water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use an open flame during this time.
- Do not allow children to play on or in the washer. Close supervision of children is necessary when the washer is used near children.
- Before the washer is removed from service or discarded, remove the lid to prevent children from climbing inside.
- Do not install or store the washer where it will be exposed to the weather or freezing temperatures.
- Do not tamper with controls.
- Keep the area underneath and around your appliances free of combustible materials (lint, paper, rags, etc.), gasoline, chemicals and other flammable vapors and liquids.
- Do not repair or replace any part of the washer or attempt any servicing other than as described in this manual. We strongly recommend that any service be performed by a qualified technician.
- See Installation Instructions for grounding requirements.
- ALWAYS follow the fabric care instructions supplied by the garment manufacturer.
- Do not place items exposed to cooking oil in your washer. Items contaminated with cooking oils may contribute to a chemical reaction that could cause a load to catch fire.
- Use fabric softeners or products to eliminate static only as recommended by the manufacturer.
- This washer is not designed for maritime use or for mobile installations such as in RVs, aircraft, etc.
- Turn off the water faucets and unplug the washer if the machine is to be left for an extended period of time, such as during vacations.
- Do not use to dry articles containing foam rubber or similarly textured rubber-like materials.
- Packaging material can be dangerous for children. There is a risk of suffocation! Keep all packaging from children.
- Always check the inside of the washer for foreign objects before loading laundry. Keep the lid closed when not in use.
- Do not reach into the appliance if the tub or agitator is moving.
- **WARNING** : This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. *Wash hands after handling.*

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

WARNING

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

GROUNDING INSTRUCTIONS

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

WARNING

Improper connection of the equipment-grounding conductor can result in risk of electric shock. Check with a qualified electrician or servicer if you are in doubt as to whether the appliance is properly grounded. Do not modify the plug provided with the appliance. If it does not fit the outlet, have a proper outlet installed by a qualified electrician. Failure to follow these warnings can cause serious injury, fire, electric shock, or death.

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

WARNING

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

SAFETY INSTRUCTIONS FOR INSTALLATION

WARNING

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

- Refer to **INSTALLATION INSTRUCTIONS** for detailed grounding procedures. Installation instructions are packed with the washer for installer's reference. If the washer is moved to a new location, have it checked and reinstalled by a qualified service technician. Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- Do not, under any circumstances, cut or remove the third (ground) prong from the power cord. Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- For personal safety, this appliance must be properly grounded. Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- The power cord of this appliance is equipped with a 3-prong (grounding) plug which mates with a standard 3-prong (grounding) wall outlet to minimize the possibility of electric shock from this appliance.
- This washer must be plugged into a 120 VAC, 60 Hz grounded outlet. Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- Have the wall outlet and circuit checked by a qualified electrician to make sure the outlet is properly grounded. Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- Where a standard 2-prong wall outlet is encountered, it is your personal responsibility and obligation to have it replaced with a properly grounded 3-prong wall outlet. Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- Do not install on carpet. Install washer on a solid floor. Failure to follow this warning can cause serious leak damage.
- Do not remove ground prong. Do not use an adapter or extension cord. Plug into a grounded 3-prong outlet. Failure to follow these warnings can cause serious injury, fire, electric shock, or death.
- The washer should always be plugged into its own individual electrical outlet which has a voltage rating that matches the rating plate. This provides the best performance and also prevents overloading house wiring circuits which could cause a fire hazard from overheated wires.
- Never unplug your washer by pulling on the power cord. Always grip plug firmly and pull straight out from the outlet. Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- Repair or immediately replace all power cords that have become frayed or otherwise damaged. Do not use a cord that shows cracks or abrasion damage along its length or at either end. Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- When installing or moving the washer, be careful not to pinch, crush, or damage the power cord. Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- The washer must be installed and electrically grounded by a qualified service person in accordance with local codes to prevent shock hazard and assure stability during operation.
- The washer is heavy. Two or more people may be needed to install and move the appliance. Failure to do so can result in back or other injury.
- Store and install the washer where it will not be exposed to temperatures below freezing or exposed to outdoor weather conditions. Failure to follow this warning can cause serious leak damage.
- Do not install the washer in humid spaces to reduce the risk of electric shock. Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- To reduce the risk of injury to persons, adhere to all industry recommended safety procedures including the use of long sleeved gloves and safety glasses. Failure to follow all of the safety warnings in this manual could result in property damage, injury to persons or death.

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USE

⚠ WARNING

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

SAFETY INSTRUCTIONS FOR USE, CARE, CLEANING, AND DISPOSAL

⚠ WARNING

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

- Unplug the washer before cleaning to avoid the risk of electric shock.
- Never use harsh chemicals, abrasive cleaners, or solvents to clean the washer. They will damage the finish.
- Do not put oily or greasy rags or clothing on top of the washer. These substances give off vapors that could ignite the materials.
- Do not wash items that are soiled with vegetable or cooking oil. These items may contain some oil after laundering. Due to the remaining oil, the fabric may smoke or catch fire by itself.
- Disconnect this appliance from the power supply before attempting any user maintenance. Turning the controls to the OFF position does not disconnect this appliance from the power supply. Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- Do not combine laundry products for use in one load unless specified on the label.
- Do not mix chlorine bleach with ammonia or acids such as vinegar. Follow package directions when using laundry products. Incorrect usage can produce poisonous gas, resulting in serious injury or death.
- Do not reach into the washer while parts are moving. Before loading, unloading, or adding items, press the START/PAUSE button and allow the drum to coast to a complete stop before reaching inside. Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- Do not allow children to play on or in the washer. Close supervision of children is necessary when the washer is used near children. As children grow, teach them the proper, safe use of all appliances. Failure to comply with these warnings could result in serious injury to persons or death.
- Destroy the carton, plastic bag, and other packing materials after the washer is unpacked. Children might use them for play. Cartons covered with rugs, bedspreads, or plastic sheets can become airtight chambers. Failure to comply with these warnings could result in serious injury to persons or death.
- Keep laundry products out of children's reach. To prevent injury to persons, observe all warnings on product labels. Failure to comply with these warnings could result in serious injury to persons or death..
- Remove the door to the washing compartment to avoid the danger of children or small animals getting trapped inside before your washer is removed from service or discarded. Failure to do so can result in serious injury to persons or death.
- Make sure the dispenser drawer is closed at all times when not being filled with laundry products. Failure to keep the drawer closed can result in personal injury or flooding.

SAVE THESE INSTRUCTIONS

PRODUCT FEATURES

INVERTER DIRECT-DRIVE MOTOR

The inverter motor, which is directly connected to the drum, is capable of producing multiple distinct motions for optimal wash performance with very little noise and vibration. The motor assembly also contains fewer moving parts, resulting in fewer repairs.

Smart Diagnosis™

Should you experience any technical difficulty with your washing machine, it has the capability of transmitting data by phone to the Customer Information Center. The call center agent records the data transmitted from your machine and uses it to analyze the issue, providing a fast and effective diagnosis. (Refer to page 38.)

TAG ON FUNCTION

The Tag On function allows you to use most NFC-equipped, Android-based smart phones to communicate with your appliance. Once you download the LG Smart Laundry&DW application to your phone, you can download and install new laundry cycles on your appliance with Tag On Cycle Download or help diagnose issues with Tag On Diagnosis. (Refer to pages 29-31.)

TUB CLEAN

Regular cleaning of the tub on a monthly basis using the Tub Clean cycle can help keep the tub clean and fresh.

MAGNETIC DOOR PLUNGER

Safely and conveniently secure the door slightly ajar with the magnetic door plunger. This will promote air circulation and allow the interior of the machine to dry. To use this feature, remove the clean laundry then position the door so that the door is almost closed. When the magnetic door plunger comes into contact with the metal washer cabinet, it will secure the door slightly open allowing the interior of the washer to dry.

LARGE CAPACITY STAINLESS STEEL DRUM

The large capacity stainless steel drum offers extreme durability and is tilted to improve efficiency and allow easier access for large items.

CHILD LOCK

Use this option to disable the controls during a wash cycle. This option can prevent children from changing cycles or operating the machine.

DETERGENT DISPENSER DRAWER

The four-compartment dispenser drawer makes it easy to separate the Prewash detergent, the main laundry detergent, liquid bleach, and fabric softener into different compartments.

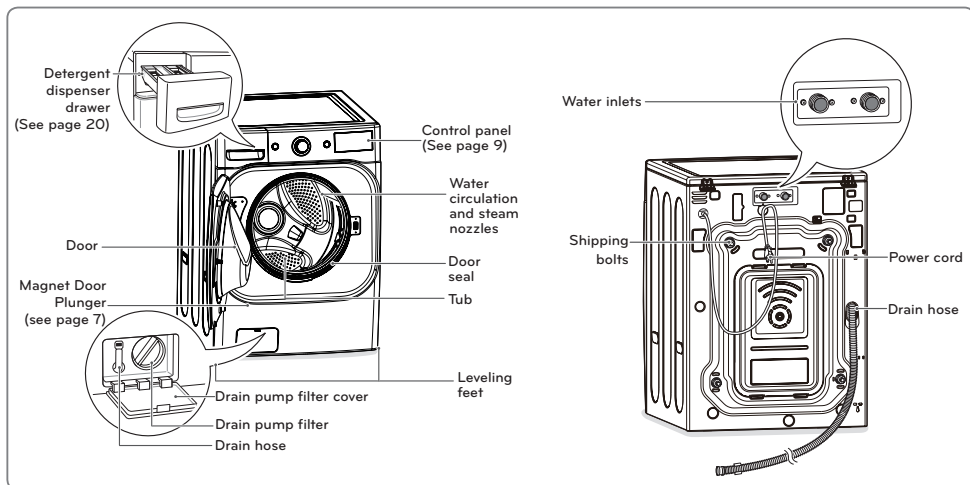
HIGH TEMPERATURE STEAM CYCLES

During LG's unique steam cycles, with high temperature steam cycle help to remove tough stains.

INTRODUCING YOUR WASHING MACHINE

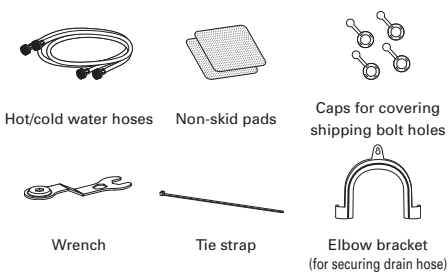
Parts and Accessories

Parts

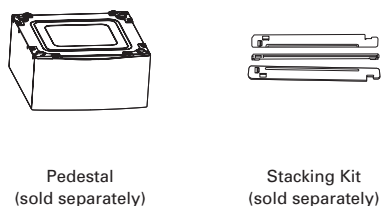


Accessories

Included Accessories



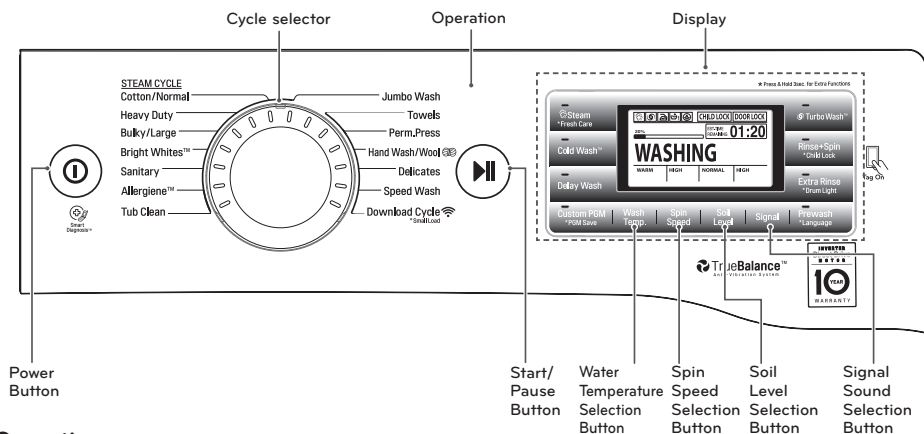
Optional Accessories



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



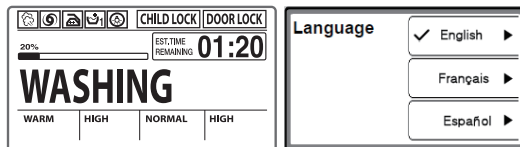
Operation





Button	Description
	<ul style="list-style-type: none"> The Power button turns the washing machine on and off. (During the wash cycle) stops operation, and cancels the settings.
<p>STEAM CYCLE Cotton/Normal Heavy Duty Bulky/Large Bright Whites™ Sanitary Allergiene™ Tub Clean</p> <p>Jumbo Wash Towels Perm. Press Hand Wash/Wool Delicates Speed Wash Download Cycle</p>	<ul style="list-style-type: none"> Allergiene™ <ul style="list-style-type: none"> - For cotton, underwear (see page 24) Sanitary <ul style="list-style-type: none"> - For underwear, diapers etc. (see page 24) Bright Whites™ <ul style="list-style-type: none"> - For white fabrics (see page 24) Bulky/Large <ul style="list-style-type: none"> - For blankets or large bulky items (see page 24) Heavy Duty <ul style="list-style-type: none"> - For heavily soiled cotton fabric (see page 24) Cotton/Normal <ul style="list-style-type: none"> - For general laundry, such as cotton T-shirts or towels (see page 24) Jumbo Wash <ul style="list-style-type: none"> - For blankets or king size items (see page 24) Towels <ul style="list-style-type: none"> - For towels (see page 24) Perm. Press <ul style="list-style-type: none"> - For wrinkle-free fabrics (see page 24) Hand Wash/Wool <ul style="list-style-type: none"> - For wool or hand-wash fabrics (see page 24) Delicates <ul style="list-style-type: none"> - For sheer and delicate fabrics (see page 24) Speed Wash <ul style="list-style-type: none"> - For small quantities of lightly soiled items (see page 24) Download Cycle/Small Load <ul style="list-style-type: none"> - For downloadable cycles or normally soiled loads with only a few items Tub Clean <ul style="list-style-type: none"> - For tub clean (see page 33)
	<ul style="list-style-type: none"> The Start/Pause button starts or pauses the washing machine cycle. - If you do not press the Start/Pause button within 4 minutes of selecting a cycle, the washing machine will turn off automatically.
	<ul style="list-style-type: none"> (Press repeatedly) The Wash Temp button selects the water temperature for the wash cycle (see page 25). - Select water temperature from 5 settings.
	<ul style="list-style-type: none"> (Press repeatedly) The Spin Speed button selects the spin speed in the desired level (see page 25). - Selects spin speed from 5 settings.
	<ul style="list-style-type: none"> (Press repeatedly) The Soil Level button selects a wash cycle by soil level (see page 25). - Selects soil level from 5 settings.
	<ul style="list-style-type: none"> (Press repeatedly) The Signal button turns off or adjusts the volume of the melody and button sounds (see page 26).

Operation (continued)

Button	Description
	<ul style="list-style-type: none"> • (Press before starting wash cycle) Use the Steam option for extra cleaning power (See page 27). • (Press and hold 3 seconds) Fresh Care tumbles clothes to prevent wrinkling (See page 26).
	<ul style="list-style-type: none"> • Use the Turbo Wash option to save time. (See page 27).
	<ul style="list-style-type: none"> • Use the Cold Wash option to save on energy consumption (See page 27).
	<ul style="list-style-type: none"> • (Press before wash cycle) Use the Rinse + Spin option to rinse detergent from a load (See page 26). • (Press and hold during wash cycle) Use the Child Lock option to Lock/Unlock the controls (See page 28).
	<ul style="list-style-type: none"> • Use the Delay Wash button to delay the start time of the cycle (See page 27).
	<ul style="list-style-type: none"> • (Press before wash cycle) Use the Extra Rinse option to add an extra rinse to the selected cycle. (See page 26). • (Press and hold during wash cycle) The drum is equipped with a white LED light that illuminates when the washer is turned on (See page 26)
	<ul style="list-style-type: none"> • Use the Custom PGM button to save a special combination of settings that you use frequently (See page 28).
	<ul style="list-style-type: none"> • Use the Prewash option to Prewash heavily soiled laundry (See page 26). • (Press and hold 3 seconds) Allows you to change the language shown in the display. (See page 28)

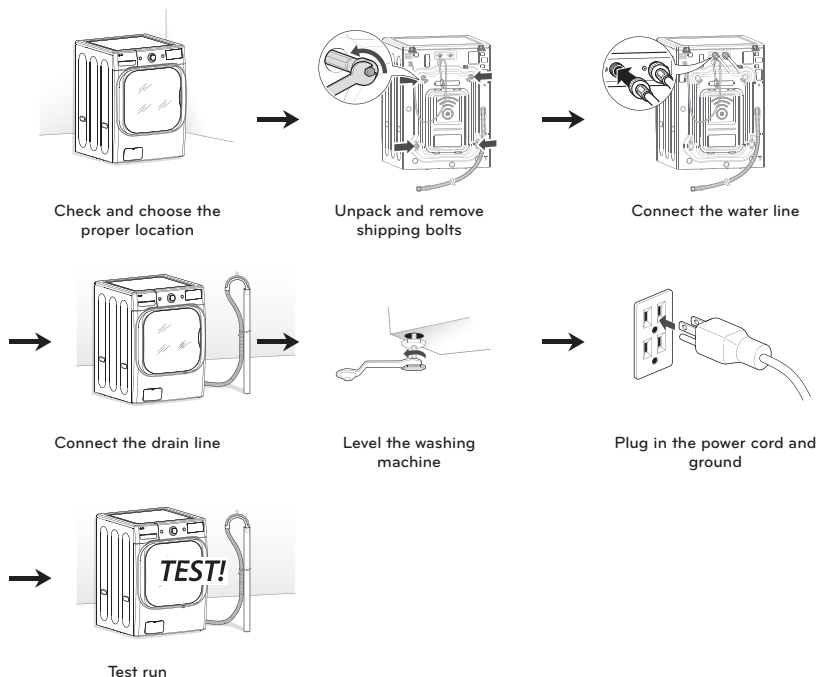
Display



Display Icon	Description
	<ul style="list-style-type: none"> • This portion of the display shows which options are set. (Steam, Turbo Wash, Fresh Care, Extra Rinse or Drum Light)
	<ul style="list-style-type: none"> • Indicates 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.
	<ul style="list-style-type: none"> • When Child Lock is set, the Child Lock indicator will appear and all buttons will be disabled except the Rinse+Spin button. This prevents children from changing settings while the washer is operating.
	<ul style="list-style-type: none"> • 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.

INSTALLATION INSTRUCTIONS

Preview installation order



⚠ WARNING

- The washer is heavy! Two or more people are required when moving and unpacking the washer. Failure to do so can result in back or other injury.
- Store and install the washer where it will not be exposed to temperatures below freezing or exposed to outdoor weather conditions. Failure to follow this warning can cause serious injury, fire, electric shock, or death.
- Properly ground the 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 the ground prong. Do not use an adapter or extension cord. Plug into a grounded 3-prong outlet. Failure to follow this warning can cause serious injury, fire, electric shock, or death.

Checking and choosing the proper location

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

- 1 Clean the floor before installation.
- Make sure to select solid and smooth ground.
- 2 Two or more people are needed for moving and unpacking the washing machine.
- 3 Allow for sufficient space between the walls and the washing machine for installation.

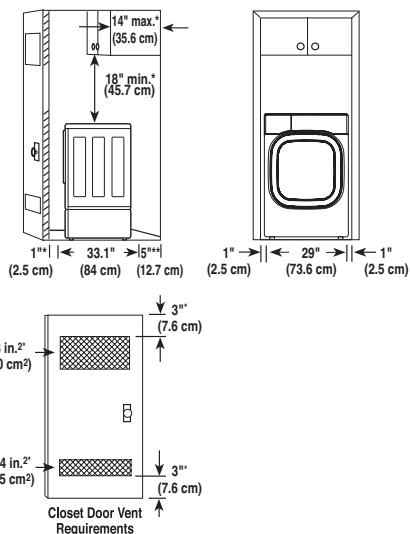
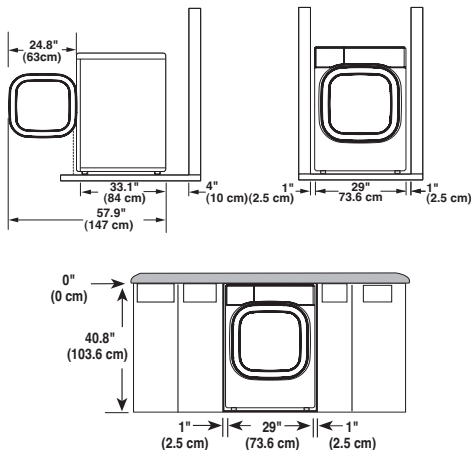
Space requirements

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

NOTE

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

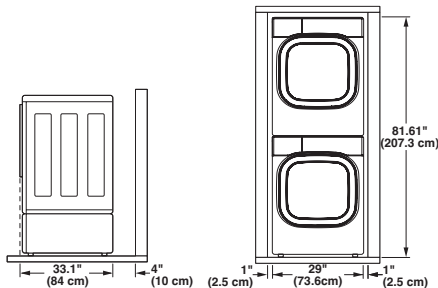
Clearances



NOTE

- The floor must be strong and rigid enough to support the weight of the washer, when fully loaded, without flexing or bouncing. If your floor has too much flex, you may need to reinforce it to make it more rigid.
A floor that is adequate for a top-loading washer may not be rigid enough for a front loading washer, due to the difference in the spin speed and direction. If the floor is not solid, your washer may vibrate and you may hear and feel the vibration throughout your house.
- Before installing the washer, make sure the floor is clean, dry and free of dust, dirt, water and oils so the washer feet can not slide easily. Leveling feet that can move or slide on the floor can contribute to excess vibration and noise due to poor contact with the floor.
- If a drip pan must be used, take extra care to follow the instructions provided with the drip pan and make sure the leveling feet are adjusted for firm and even contact with the pan. Use of drip pans and failure to properly level the machine may result in increased vibration and noise during operation.

Installing on a pedestal or stacking kit



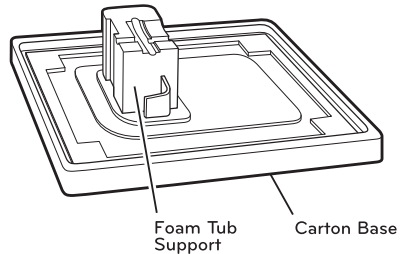
NOTE

- Refer to the instructions packaged with the optional PEDESTAL or STACKING KIT before installing with a PEDESTAL or a STACKING KIT.

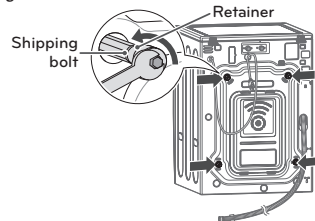
Unpacking and removing shipping bolts

When removing the washer from the carton base, be sure to remove the foam drum support in the middle of the carton base.

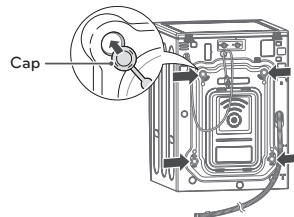
If you must lay the washer down to remove the base packaging materials, always lay it carefully on its side. **DO NOT** lay the washer on its front or back.



- Starting with the bottom two shipping bolts, use the wrench (included) to fully loosen all four shipping bolts by turning them counterclockwise. Remove the bolt assemblies by wiggling them slightly while pulling them out.



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

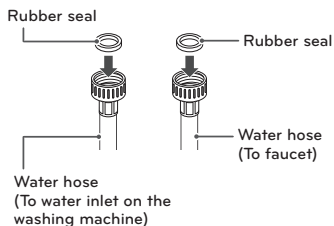


NOTE

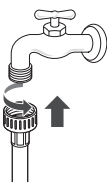
- Save the bolt assemblies for future use. To prevent damage to internal components, **DO NOT** transport the washer without reinstalling the shipping bolts.
- Failure to remove shipping bolts and retainers may cause severe vibration and noise, which can lead to permanent damage to the washer. The cord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

Connecting the water lines

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



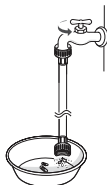
- 2 Connect the water supply hoses to the HOT and COLD water faucets tightly by hand and then tighten another 2/3 turn with pliers.
 - Connect the blue hose to a cold water faucet and the red hose to a hot water faucet.



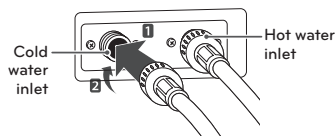
⚠ WARNING

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

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



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



⚠ WARNING

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

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

❗ NOTE

- For your safety, and for extended product life, use only authorized components. The manufacturer is not responsible for product malfunction or accidents caused by the use of separately purchased, unauthorized parts.
- Use new hoses when you install the washing machine. Do not reuse old hoses. Use only the inlet hoses provided with the washer. LG does not recommend the use of aftermarket hoses.
- Periodically check the hoses for cracks, leaks and wear, and replace the hoses every 5 years.
- Do not stretch the water hoses intentionally, and make sure that they are not crushed by other objects.
- Water supply pressure must be between 14.5 PSI and 142 PSI (100 – 980 kPa). If the water supply pressure is more than 142 PSI, a pressure reducing valve must be installed.
- To provide optimum washing performance the hot water temperature should be set at 120-135°F (48-57°C) and the cold at 60°F (15°C).

Connecting the drain line

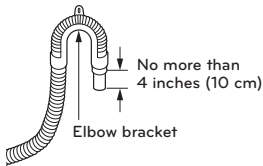
Secure the drain hose in place to prevent moving and leaking.

NOTE

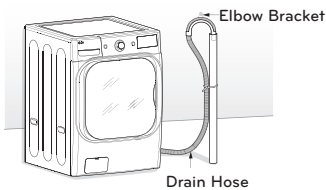
- The drain hose should be properly secured. Failure to properly secure the drain hose can result in flooding and malfunction.
- Total height of the hose end should not exceed 96 inches (244.8 cm) from the bottom of the washer.
- The drain must be installed in accordance with any applicable local codes and regulations.
- Make sure that the water lines are not stretched, pinched, crushed, or kinked.

Using a standpipe

- 1 Clip the end of the hose into the elbow bracket.
 - Connect the elbow bracket within 4 inches (10 cm) from the end of the drain hose. If the drain hose is extended more than 4 inches (10 cm) beyond the end of the elbow bracket, mold or microorganisms could spread to the inside of the washer.



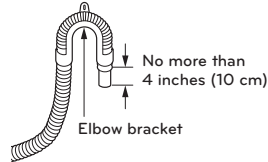
- 2 Insert the end of the drain hose into the standpipe.



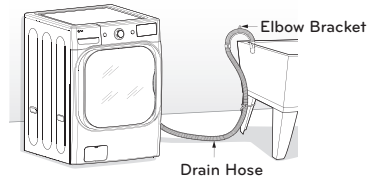
- 3 Use a tie strap to secure the drain hose in place.

Using a laundry tub

- 1 Clip the end of the hose into the elbow bracket.
 - Connect the elbow bracket within 4 inches (10 cm) from the end of the drain hose. If the drain hose is extended more than 4 inches (10 cm) beyond the end of the elbow bracket, mold, or microorganisms could spread to the inside of the washer.



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



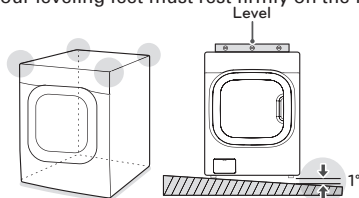
- 3 Use a tie strap to secure the drain hose in place.

Leveling the washing machine

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

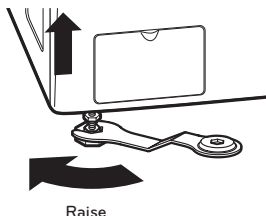
1 Check that the washing machine is level.

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

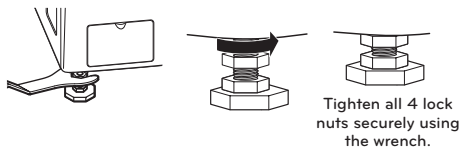


2 Turn the lower leveling feet clockwise to level the washing machine.

- Turning the lower leveling feet clockwise raises the washing machine.



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



4 Check again that the washing machine is level.

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

⚠ WARNING

- Using the washing machine without leveling may cause it to malfunction, producing excess vibration and noise.
- If you are installing the washing machine on the optional pedestal, you must adjust the leveling feet on the pedestal to level the washing machine. The washing machine's leveling feet should be minimized and the locknuts turned counterclockwise to secure them.
- Use the leveling feet only when you level the washing machine. If you raise the leveling feet unnecessarily, it may cause abnormal vibration of the washing machine.

Using non-skid pads (optional)

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

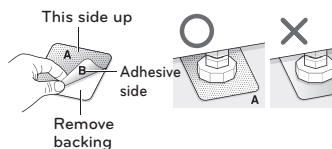
1 Clean the floor to attach the non-skid pads.

- Use a dry rag to remove foreign objects or moisture. If moisture remains, the non-skid pads may slip.

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

3 Place the adhesive side of the non-skid pad on the floor.

- It is most effective to install the non-skid pads under the front legs. If it is hard to place the pads under the front legs, place them under the back legs.



4 Check again that the washing machine is level.

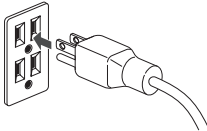
- Push or rock the top edges of the washing machine gently to make sure that the washing machine does not rock. If the washing machine rocks, level the washing machine again.

Plugging in the power cord and grounding

Make sure to ground the washing machine to prevent a short circuit or an electric shock when plugging in.

Using a 3-prong outlet

Plug in the electrical outlet without additional grounding.



⚠ WARNING

- The power outlet must be within 60 inches (1.5 m) of either side of the washer.
- The appliance and outlet must be positioned so that the plug is easily accessible.
- Do not overload the outlet with more than one appliance.
- The outlet must be grounded in accordance with current wiring codes and regulations.
- Time-delay fuse or circuit breaker is recommended.
- It is the personal responsibility and obligation of the product owner to have a proper outlet installed by a qualified electrician.
- Do not use a worn or damaged power cord or power plug. Replace or repair it immediately. Failure to do so may result in malfunction, fire, electric shock, or death.
- Do not modify the power cord and take care not to damage it when installing or moving the washing machine. Failure to do so may result in malfunction, fire, electric shock, or death.
- Make sure that the washing machine is grounded.
- Connect this washing machine to a grounded outlet conforming to the rating prior to use. Failure to do so may result in fire, electric shock, or malfunction.
- Do not use adaptors or extension cords. The washing machine should always be plugged into its own individual electrical outlet which has a voltage rating that matches the rating plate. Failure to do so may result in fire, electric shock or disorder.
- Do not damage or cut off the ground prong of the power cord. Doing so may cause product malfunction, electric shock, fire or death.

Test run

Check if the washing machine is properly installed and run a test cycle.

- 1 Load the washing machine with 6 pounds of laundry.
- 2 Press the Power button.
- 3 Press the Rinse + Spin button.
- 4 Press the Start/Pause button.
 - The wash cycle starts.
- 5 Check if water is supplied, that the washing machine does not rock or vibrate excessively, and that it drains well during the spin cycle.
 - If water leaks during water supply, see page 14, **Connecting the water lines** to connect them properly.
 - If the washing machine rocks and vibrates excessively, see page 16, **Leveling the washing machine** to level it again.
 - If the drain does not work, see page 15, **Connecting the drain line** to install it properly.

PREPARATION

Sorting wash loads












Precautions for fabric care before wash cycle

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

- ◆ Check all pockets to make sure that they are empty.
 - Items such as clips, matches, pens, coins, and keys can damage both your washer and your clothes.
- ◆ Close zippers, hooks, and drawstrings to prevent these items from snagging or tangling on other clothes.
- ◆ Pretreat heavily stained areas before washing.
 - Doing so will produce clean, stain-free results.
- ◆ Combine large and small items in a load. Load large items first.
- ◆ Large items should not be more than half of the total washload.
- ◆ The washer can be fully loaded, but the drum should not be tightly packed with items.
 - The door of the washer should close easily.
- ◆ Do not wash single items, except for bulky items such as blankets. Make sure to wash laundry in similar types of loads.
 - Washing a single small item may result in the tub becoming unbalanced, vibrating and making a noise.
- ◆ Do not wash waterproof clothes.
 - This may cause abnormal vibration, or may cause the load to bounce, which could damage the tub.
- ◆ Check if there are any 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 clothes may be damaged due to particles rubbing against sheer fabrics.
- ◆ Wash blankets individually.
 - Washing more than one blanket at a time may lead to poor wash performance 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.

Fabric care labels

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

Category	Label	Directions
<div> Washing</div>		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
<div>Water Temperature</div>	...	Hot
	..	Warm
	.	Cold/Cool
<div> Bleach symbols</div>		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

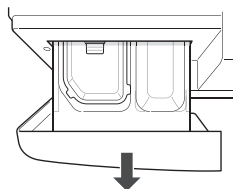
NOTE

- 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

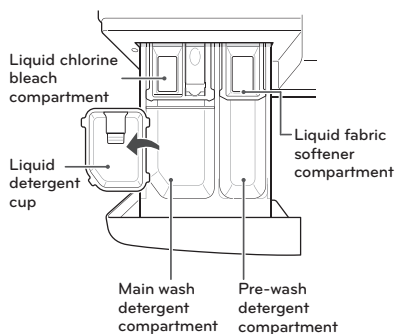
The detergent dispenser drawer of the washing machine has a dispenser compartment for each detergent type. Add each detergent to its appropriate compartment.

- 1 Pull out the detergent dispenser drawer.



- 2 Add each 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.

Prewash Detergent Compartment

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

! NOTE

- If using liquid detergent for the main wash, you must use the liquid detergent cup accessory in the main wash dispenser when using the Prewash option, to prevent the main wash liquid detergent from being dispensed immediately.
- Add 1/2 the amount of detergent for the Prewash option as is recommended for the main wash. For example, if the main wash cycle requires one measure of detergent, add 1/2 measure for the Prewash 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



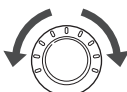



This compartment holds liquid fabric softener, which will be automatically dispensed during the final rinse cycle.

! 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.

USING YOUR WASHING MACHINE

Basic operation

- 1  Load the laundry into the washing machine and close the door.
- 2  Press the Power button.
 - The lights around the cycle selector knob will illuminate and a chime will sound. Turn the cycle selector knob to the desired cycle.
 - The optimum default cycle settings are automatically set according to the wash cycle. See page 23, **Cycle guide**, for more detail on the default settings for each cycle.
 - See page 24, **Main cycle**, for details on the wash cycles.
 - To change the settings, press the cycle modifier buttons and select the desired settings. See page 25, **Modifying settings before the cycle**, for more details on modifying cycle settings.
 - Skip to step 4 to use the default settings without modifying them.
- 3 
 - 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.
- 4  Add the proper amount of detergent and additions (bleach, softener) into the detergent dispenser drawer.
- 5  Press the Start/Pause button.
 - 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)	CYCLE SETTINGS (*=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	88 ~ 132	-	EXTRA HIGH HIGH★ MEDIUM LOW NO SPIN	-	●		●	●		●
Sanitary	Heavily soiled underwear, work clothes, diapers, etc.	81 ~ 112	EXTRA HOT★	EXTRA HIGH HIGH★ MEDIUM LOW NO SPIN	HEAVY NORMAL★ LIGHT	●		●	●	●	●
Bright Whites™	White Fabrics	52 ~ 79	HOT★ WARM COLD TAP COLD	EXTRA HIGH HIGH★ MEDIUM LOW NO SPIN	HEAVY NORMAL★ LIGHT	●		●	●	●	●
Bulky/Large	Large items such as blankets and comforters	45 ~ 68	HOT WARM★ COLD TAP COLD	MEDIUM★ LOW NO SPIN	HEAVY NORMAL★ LIGHT	●	●	●	●	●	●
Heavy Duty	Heavily soiled Cotton Fabrics	60 ~ 117	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	27 ~ 99	HOT WARM★ COLD TAP COLD	EXTRA HIGH HIGH★ MEDIUM LOW	HEAVY NORMAL★ LIGHT	●	●	●	●	●	●
Jumbo Wash	Comforter	45 ~ 68	HOT WARM★ COLD TAP COLD	HIGH★ MEDIUM LOW NO SPIN	HEAVY NORMAL★ LIGHT	●	●	●	●	●	●
Towels	Towels	39 ~ 75	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	29 ~ 56	HOT WARM★ COLD TAP COLD	HIGH MEDIUM★ LOW	HEAVY NORMAL★ LIGHT		●	●	●	●	●
Hand Wash/Wool	Items labeled "hand-washable"	44 ~ 55	WARM★ COLD TAP COLD	LOW★ NO SPIN	NORMAL★ LIGHT		●	●			
Delicates	Dress shirts/blouses, nylons, sheer or lacy garments	30 ~ 53	WARM COLD★ TAP COLD	MEDIUM★ LOW NO SPIN	HEAVY NORMAL★ LIGHT		●	●	●	●	
Speed Wash	Lightly soiled clothing and small loads	7 ~ 25	HOT★ WARM COLD TAP COLD	EXTRA HIGH★ HIGH MEDIUM LOW NO SPIN	HEAVY NORMAL LIGHT★		●	●	●		●
Small Load	Normally soiled and small loads.	45	WARM★	HIGH★	NORMAL★			●			
Tub Clean	This cycle is designed to remove a mildewy or musty smell.	89				●		●			

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.)

Main cycle

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 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.

Reduce laundry allergens, Allergiene™

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

Reduce laundry bacteria, Sanitary

This wash cycle reduces 99.9% 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.

For white fabrics, Bright Whites™

This cycle is for washing white items only.

Blankets or bulky items, Bulky/Large

This cycle is for washing blankets or bulky items.

Normal items, Cotton/Normal

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 proceeds to Cotton/Normal.

Heavily soiled items, Heavy Duty

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

Comforters, Jumbo Wash

This cycle is for washing king or queen comforters.

Wrinkle free items, Perm.Press

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

Sheer items, Delicates

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

For towels, Towels

This cycle is for washing towels.

For a few items, Small Load

The default cycle is Small Load, for normally soiled loads with just a few items. This cycle can also be used for downloadable cycles (see page 31).

Items labeled wool or hand-washable, Hand Wash/Wool

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 a 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.

Quick wash, Speed Wash

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 only a 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 been designed with the optimum fabric care settings for that cycle preset automatically. You may also customize the settings using the cycle modifier buttons. Press the desired cycle modifier button 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 the water temperature, Wash Temp.

The optimum water temperature is set automatically for each cycle. To change the water temperature setting for a cycle, follow the instructions below. Remember to set the appropriate temperature, as specified in the fabric care label on your clothing.

- 1 Press the Power button and turn the cycle selector knob to 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 above it.
- 3 You can now modify other cycle settings and add options (see pages 25-28), 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.

Setting spin speed, Spin Speed

Higher spin speeds extract more water from clothes, reducing drying time and saving energy. Some fabrics, such as delicates, require a slower spin speed. To protect your clothing, not all spin speeds are available for all cycles. The optimum spin speeds for each cycle have been set automatically. To change the spin speed for a cycle, follow the instructions below.

- 1 Press the Power button and turn the cycle selector knob to 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 above it.
- 3 You can now modify other cycle settings and add options (see pages 25-28), 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. To use Drain & Spin, press the Power button, then press the Spin Speed button repeatedly to select a spin speed. Press the Start/Pause button to begin.

Setting soil level of laundry, Soil Level

You can wash your laundry more thoroughly by setting the proper soil level on the washing machine. The soil level for each cycle has been set automatically. To change the soil level for a cycle, follow the instructions below.

- 1 Press the Power button and turn the cycle selector knob to the desired cycle.
- 2 Press the Soil Level button repeatedly to select the desired soil level.
 - When you press the button, an indicator light for the corresponding selection will turn on above it.
- 3 You can now modify other cycle settings and add options (see pages 25-28), or proceed to step 4 to begin the cycle.
- 4 Press the Start/Pause button.

NOTE

- Lightly soiled loads may take less time and heavily soiled loads may add time to the cycle.

Setting options before the cycle

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

Adjusting melody and button tones, 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 these melody and button tones can be changed or they can be turned off if desired.

- 1 Press the Power button.
- 2 Turn the cycle selector knob to the desired cycle.
- 3 Press the Signal button to adjust the melody and button tones as desired.
- 4 You can now modify the cycle settings and add options (see pages 25-28), or proceed to step 4 to begin the cycle.
- 5 Press the Start/Pause button.

Prewashing, Prewash

Prewash for 15 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 to the desired cycle.
- 2 Press the Prewash button.
 - The indicator light will turn on.
- 3 You can now modify the cycle settings and add other options (see pages 25-28), or proceed to step 4 to begin the cycle.
- 4 Press the Start/Pause button.

Rinse, drain and spin only, Rinse+Spin

Use this cycle to rinse detergent from the load.

- 1 Press the Power button and turn the cycle selector knob to 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.

Drum Lighting, 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 follow the instructions below.

- 1 Press and hold the Extra Rinse/Drum Light button for 3 seconds during the wash cycle.
 - The drum light will illuminate and then turn off automatically after 4 minutes.
 - It is normal for clothes and the gasket to appear yellow in the LED lighting.

Tumbling clothes to prevent wrinkles, Fresh Care

Use this function when you are not able to remove your clothes from the washer as soon as the wash cycle ends.

- 1 Press and hold the Steam/Fresh Care button for 3 seconds before the wash cycle.
 - The Fresh Care indicator light will turn on.

NOTE

- This function provides periodic tumbling for up to about 19 hours to prevent wrinkles. If you press the Start/Pause or Power button, you can unload your laundry at any time.

Adding an extra rinse cycle, 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 to the desired cycle.
- 2 Press the Extra Rinse button.
 - The Extra Rinse indicator light will turn on.
- 3 You can now modify the cycle settings and add other options (see pages 25-28), or proceed to step 4 to begin the cycle.
- 4 Press the Start/Pause button.

Presetting the start time, Delay Wash

You can delay the start time of the cycle.

- 1 Press the Power button and turn the cycle selector knob to the desired cycle.
- 2 Modify the cycle settings and add other options (see pages 25-28), 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 will appear 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.

High temperature, 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 the Power button and turn the cycle selector knob to the desired cycle.
- 2 Press the Steam button. The washer will automatically adjust the cycle settings.
- 3 Set any other desired options.
- 4 Press the Start/Pause button.

⚠ 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 add steam to cycles when washing delicate fabrics such as wool or silk, or non-colorfast fabrics.

Saving energy, 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 motions (Tumbling, Rolling, Stepping, Scrubbing, Swinging and Filtration), fabrics get the cleaning benefits, without the energy usage.

- 1 Press the Power button and turn the cycle selector knob to the desired cycle.
- 2 Press the Cold Wash™ button. The washer will automatically adjust the cycle settings.
- 3 Set any other desired options.
- 4 Press the Start/Pause button.

❗ NOTE

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

Saving time, Turbo Wash™

Adding the Turbo Wash™ option to normal cycles reduces cycle time while providing the same wash performance. The option uses the Twin Spray and Optimization features of the washer to save time without sacrificing performance.

- 1 Press the Power button and turn the cycle selector knob to the desired cycle.
- 2 Press the Turbo Wash™ button. The washer will automatically adjust the cycle settings.
- 3 Set any other desired options.
- 4 Press the Start/Pause button.

❗ 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 the cycle

You can add desired options during the wash cycle.

Button lock feature, Child Lock

You can lock the controls to prevent children or others from changing cycles or operating the machine. This can also be useful for cleaning the button and control panel area. Once the Child Lock has been turned on, it must be turned off before any controls, except the Power button, can be used.

To turn Child Lock ON

Press and hold the Rinse + Spin button for 3 seconds during the wash cycle.

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

To turn Child Lock OFF

(When the Child Lock is activated.)

Press and hold the Rinse + Spin button for 3 seconds during the wash cycle.

NOTE

- Child Lock lasts after the end of the cycle. If you want to deactivate this function, press and hold the Rinse+Spin button for 3 seconds.

Saving a customized wash cycle, PGM Save

You can save a special combination of settings that you use frequently.

To save a cycle

- 1 Press the Power button and turn the cycle selector knob to the desired cycle.
- 2 Modify the cycle settings and add other options (see pages 25-28), if desired.
- 3 Press the Start/Pause button to start the cycle.
- 4 Press and hold the Custom PGM button for 3 seconds during the wash cycle.
 - The cycle with your preferred settings and options is saved.

Selecting your customized cycle, Custom PGM

You can recall the customized wash cycle you had previously saved.

To recall a cycle

- 1 Press the Power button and then press the Custom PGM button.
- 2 Press the Start/Pause button.

Language setting button, Language

This option allows you to change the language shown in the display. Once set, the language setting will remain selected even after the power is turned off. The display language options are English, French, and Spanish; English is the default language.

To change the language

- 1 Press the Power button to turn on the washer.
- 2 Press and hold the Prewash button for 3 seconds, until the following screen appears in the display.



- 3 When the screen appears, English is displayed as the default language. Press the Rinse+Spin button to select Français (French). Press the Extra Rinse button to select Español (Spanish).

NOTE

- If you don't press a button or select another language for 3 seconds after opening the language setting option, the language selection function will apply the existing language selection and close.

Before using the Tag On function

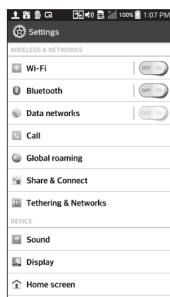
- The Tag On function allows you to conveniently use the LG Smart Diagnosis™ and Cycle Download features to communicate with your appliance right from your own smart phone. To use the Tag On function:

- 1 Download the LG Smart Laundry&DW App to your smart phone.
- 2 Turn on the NFC (Near Field Communication) function in your smart phone.

The Tag On function can only be used with most smart phones equipped with the NFC function and based on the Android operating system (OS).

Turning on the NFC function of the smart phone

- 1 Enter the "Settings" menu of the smart phone and select "Share & Connect" under "WIRELESS & NETWORKS."



- 2 Set "NFC" and "Direct Android Beam" to ON 1 and select "NFC" 2.

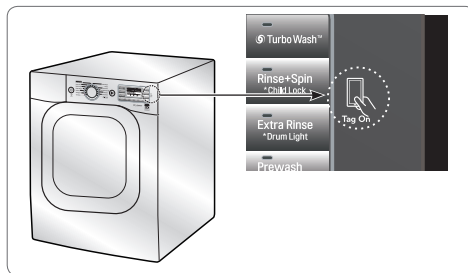


- 3 Check "Use Read and Write/P2P receive."



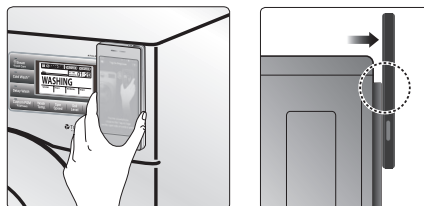
Depending on the smart phone manufacturer and Android OS version, the NFC activation process may differ. Refer to the manual of your smart phone for details.

The Tag On icon



Tag On position

Tag On: Look for the Tag On icon next to the LCD screen on the control panel. This is where you position your smart phone when using the Tag On function with the LG Smart Diagnosis™ and Cycle Download features of the LG Smart Laundry&DW App.



When you use the Tag On function, position your smart phone so that the NFC antenna on the back of your smart phone matches the position of the Tag On icon on the appliance. If you do not know the position of your NFC antenna, move your smart phone very slightly in a circular motion until the application verifies the connection.

Because of the characteristics of NFC, if the transmission distance is too far, or if there is a metal sticker or a thick case on the phone, transmission will not be good. In some cases, NFC-equipped phones may be unable to transmit successfully.

Press [?] in the LG Smart Laundry&DW app for a more detailed guide on how to use the Tag On function.



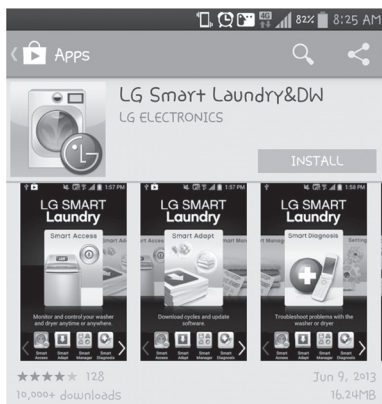
Scan this QR code with your smart phone to quickly access the LG Smart Laundry&DW App for download

Tag On

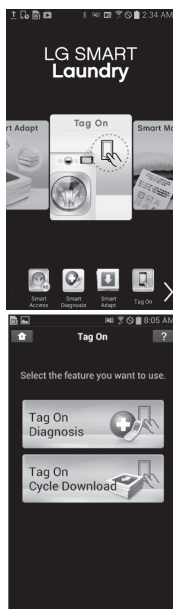
Download and install the LG Smart Laundry&DW application on an NFC-equipped smart phone. The application includes a Tag On self-diagnosis feature and a Tag On cycle download feature.

Tag On self-diagnosis using LG Smart Laundry&DW application


- 1 Install 'LG Smart Laundry&DW' app on a NFC-equipped smartphone.
 - Install the app from the Play store and run it.



- 2 Select Tag On. Home card and icons at the bottom of the screen are all available to use.

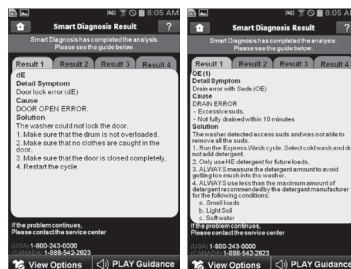


- 3 Select Tag On Diagnosis

- 4 Touch the Tag On logo.
 - When a Tag On screen appears (see at right), tap your smart phone on the Tag On icon on the right side of the washer's control panel.
 - If it isn't recognized, touch  on the upper right of the Tag On screen on your LG Smart Laundry&DW app to see the detailed guide. (This might happen due to the different NFC antenna positions for each phone.)



- 5 Check the diagnosis results and solutions.
 - It shows the diagnosis results on the two cycles recently used.



※ Images are for reference only. The LG Smart Laundry&DW application may be updated.

Tag On cycles download using LG Smart Laundry&DW application

NOTE

- The Tag On Cycle Download feature lets you use your smart phone to download a new cycle to your washer, replacing the Small Load cycle. The Small Load Cycle can always be re-downloaded, if desired.

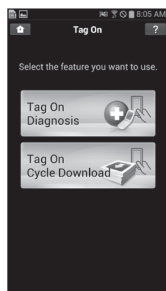
- 1 Install 'LG Smart Laundry&DW' app on a NFC-equipped smartphone.
 - Install the app from the Play store and run it.




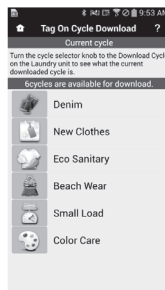
- 2 Select Tag On. Home card and icons at the bottom of the screen are all available to use.




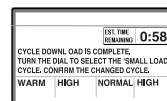
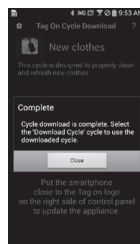
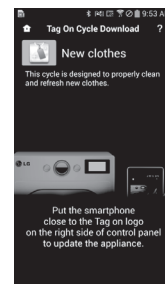
- 3 Select Tag On Cycles Download.



- 4 Touch the Tag On logo.
 - When a Tag On screen appears (see at right), tap your smart phone on the Tag On icon on the right side of the washer's control panel.
 - If it isn't recognized, touch  on the upper right of the Tag On screen on your 'LG Smart Laundry&DW' app to see the detailed guide. (This might happen due to the different NFC antenna positions for each phone.)
- 5 Select a cycle to download.
 - You can also check the existing cycles already downloaded.



- 6 Touch the Tag On logo.
 - When a Tag On screen appears (see at right), tap your smart phone on the Tag On icon on the right side of the washer's control panel.
 - If it isn't recognized, touch  on the upper right of the Tag On screen on your LG Smart Laundry&DW app to see the detailed guide. (This might happen due to the different NFC antenna positions for each phone.)
- 7 The new cycle is downloaded successfully!
 - Check whether the new cycle is downloaded by turning the cycle selector knob to Download Cycle/ Small Load.



※ Images are for reference only. The LG Smart Laundry&DW application may be updated.

MAINTENANCE

Care

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

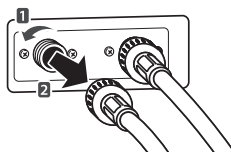
- Unplug the washer before cleaning to avoid the risk of electric shock. Failure to follow this warning can cause serious injury, fire, electric shock or death.
- Never use harsh chemicals, abrasive cleaners, or solvents to clean the washer. They will damage the finish.
- Do not use volatile substances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

Storing the washing machine for an extended period of time

Follow these instructions to avoid damage when storing the washing machine for an extended period of time in cold climates where it may be exposed to freezing temperatures.

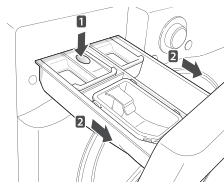
- 1 Turn off the faucets connected with the water lines.
- 2 Unscrew the water lines from back of the washer.



- 3 Empty any water out of the water lines.
- 4 Press 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. Close the door.
- 6 Press the Spin Speed button 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 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.

When the water line is frozen

- 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 Re-connect the water lines with the water inlets of the washing machine and with the 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.
 - Make sure the water fills properly.

When the Drain Line is Frozen

- 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 to begin 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.

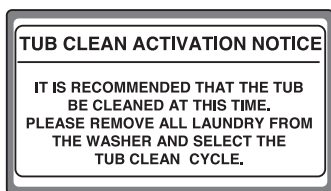
Cleaning your the drum, Tub Clean

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 to 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 the cleaner 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 the Power button.
- 3 Turn the cycle selector knob to Tub Clean.
- t cL 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 keep the tub clean.
- Tub Clean should be repeated monthly.
- If you notice mildew or musty smells, run Tub Clean once a week for 3 consecutive weeks.
- Safely and conveniently secure the door slightly ajar with the magnetic door plunger. This will promote air circulation and help the machine to dry.



Automatic alert for cleaning washing machine

When the power is on and the t 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.

Removing mineral buildup from the washer tub

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, 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.

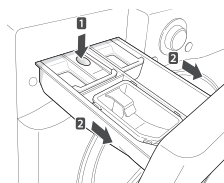
NOTE

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

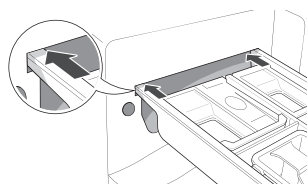
Cleaning the detergent dispenser drawer

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 remove 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 up 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.

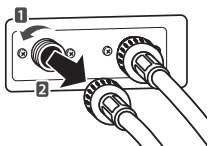
NOTE

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

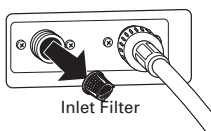
Cleaning the water inlet filters

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.

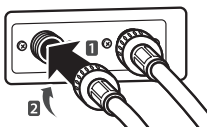
- 1 Press the Power button to turn off the washing machine and pull out the plug.
- 2 Turn off the faucets connected with the water inlets.
- 3 Remove the water inlets.



- 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 is not clean or is missing.

⚠ NOTE

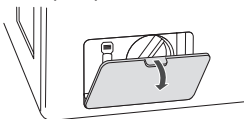
- IE message will blink on the display when the water pressure in the detergent drawer is weak or an inlet filter is clogged with dirt. Clean the inlet filter.



Cleaning the drain pump filter

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

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



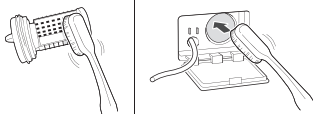
- 3 Unclip the drain hose and remove the plug from the drain hose to drain the remaining water.



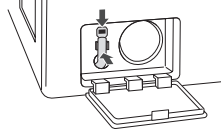
- 4 Twist the pump filter counterclockwise to remove it.



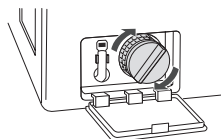
- 5 Clean the pump filter and opening.



- 6 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

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

ⓘ NOTE

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



Cleaning the door seal

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

- 1 Wear rubber gloves and protective goggles.
- 2 Dilute 3/4 cup (177 ml) of liquid chlorine bleach in 1 gallon (3.8 L) of water.
- 3 Soak a sponge or a soft cloth in this diluted solution and wipe down all around the door seal.
- 4 Wipe up 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.

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
	Item of clothing has gathered on one side of the tub. <ul style="list-style-type: none"> • There are not enough items in the machine. • Have your items gathered in one area, or is the load too small? • Did you wash a stuffed animal, a mat, or knitwear? • Did you wash two different blankets together? 	<ul style="list-style-type: none"> • Rearrange items to help balance the load. • 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. • Put one blanket in at a time.
	Water is not supplied or the water pressure is low <ul style="list-style-type: none"> • Is the faucet turned off? • Is the water supply stopped or the faucet frozen? • Is the water pressure low or is an inlet filter clogged? • Is the water line properly connected with the cold water inlet? • Is the water line pinched or bent? Water line leaks in connection <ul style="list-style-type: none"> • Are the water lines connected with the faucets properly? 	<ul style="list-style-type: none"> • Turn on the faucets. • If a faucet is frozen, thaw it with warm water. • If the inlet filter is clogged, clean it. (see page 35) • Connect the water line properly with the cold water inlet. (see page 14) • Check that the water lines are not pinched or bent. Take extra care that water lines are not twisted or pinched by other objects. • Connect the water lines properly with the faucets. (see page 14)
	The tub does not rotate <ul style="list-style-type: none"> • Is the door secured? 	<ul style="list-style-type: none"> • Close and secure the door. If the message keeps appearing, unplug the power and contact your nearest LG service center.
	The washing machine drains slowly or not at all <ul style="list-style-type: none"> • Is the drain hose installed over 3 1/4 feet (1 m) beyond the end of the elbow bracket? • Is the drain hose pinched or clogged inside? • Is the drain hose frozen? • Is the drain hose clogged with foreign objects? 	<ul style="list-style-type: none"> • Lower the drain hose within 3 feet below the end of the elbow bracket. • Place the drain hose on a smooth surface to prevent bending. • If the drain hoses are frozen, thaw them in warm water. • Open the drain pump plug cap and remove the dirt.
	A power failure has occurred.	<ul style="list-style-type: none"> • Press the Power button to turn off the washing machine and press it again to turn it on.
	Control Error.	<ul style="list-style-type: none"> • Unplug the power cord and contact your nearest LG service center.
	The water supply does not stop <ul style="list-style-type: none"> • Do the water supply and the drain keep repeating in turn? 	<ul style="list-style-type: none"> • Unplug the power cord and contact your nearest LG service center
	The water level is not controlled <ul style="list-style-type: none"> • Is the water level too low or high compared with the size of the load? 	<ul style="list-style-type: none"> • The water level sensor is not working correctly. • Unplug the power cord and contact your nearest LG service center.
	The tub does not rotate <ul style="list-style-type: none"> • Is the washing machine overloaded? 	<ul style="list-style-type: none"> • Rearrange the load size and restart the washing machine. • 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.
	<ul style="list-style-type: none"> • To clean up the tub, please run the Tub Clean cycle. 	<ul style="list-style-type: none"> • Please empty the tub and insert bleach into the detergent dispenser and select the Tub Clean cycle. • 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 reappearing until a few washing cycles have been completed, after which it will disappear until the next scheduled time to clean the tub.

Before calling for service

Check the following before calling for service.

Problem	Possible Causes	Solutions
Clicking sound	<ul style="list-style-type: none"> Do you hear a sound when you close or lock and unlock the door? 	<ul style="list-style-type: none"> This sound is normal and occurs when the door is closed, locked or unlocked.
Spraying or hissing sound	<ul style="list-style-type: none"> Is water spraying in the tub? 	<ul style="list-style-type: none"> This sound is normal as water is spraying or circulating during the cycle.
Buzzing or gushing sound	<ul style="list-style-type: none"> Is the washing machine draining water? 	<ul style="list-style-type: none"> This sound is normal as the drain pump drains water from the washing machine after the cycle.
Splashing sound	<ul style="list-style-type: none"> Is the washing machine washing a load of laundry? 	<ul style="list-style-type: none"> This sound is normal as the load is moving up and down during the wash and rinse cycles.
Rattling and clanking noise	<ul style="list-style-type: none"> Are there any foreign objects such as keys, coins, or safety pins in the tub or drain filter? 	<ul style="list-style-type: none"> Check if there are any foreign objects in the tub and the drain filter after stopping the cycle. Unplug the power cord and contact your nearest LG service center if the noise persists.
Thumping sound	<ul style="list-style-type: none"> Is the washing machine overloaded? Is the load out of balance? 	<ul style="list-style-type: none"> This sound is normal and occurs when the load is out of balance. Stop the cycle and rearrange the load for balancing.
Vibrating noise	<ul style="list-style-type: none"> Are the shipping bolts removed? Is the load evenly distributed in the tub? Is the washing machine level balanced? Is the washing machine installed on a solid and smooth surface? 	<ul style="list-style-type: none"> See page 13, Unpacking and removing shipping bolts to remove the shipping bolts. Stop the cycle and rearrange the load for balancing. See page 16, Leveling the washing machine to level the washing machine. Check if the floor is solid and level.
Water leaking around washer	<ul style="list-style-type: none"> Is water leaking from a faucet or a water line? Is a drain pipe or a drain hose clogged? 	<ul style="list-style-type: none"> Check the faucets or water lines. <ul style="list-style-type: none"> If the water lines are loosely connected, see page 14, Connecting water lines to connect them properly. Unclog the drain pipe or drain hose. Contact a plumber if necessary.
Excessive suds or failure to rinse	<ul style="list-style-type: none"> Did you use more than the recommended amount of detergent? Is the soil level higher than the size of the load? 	<ul style="list-style-type: none"> Use the recommended amount of detergent for load. If the soil level is low, reduce the detergent quantity to less than the recommended level. <p> Only use detergent with the HE (High-Efficiency) logo.</p>
Staining	<ul style="list-style-type: none"> Did you add detergent directly to the tub? Did you remove the load immediately after it finished? Did you sort and wash the clothes by color or soil? 	<ul style="list-style-type: none"> Make sure to load detergent into the detergent dispenser drawer. Remove the load immediately after it finishes. 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

Problem	Possible Causes	Solutions
Wrinkling	<ul style="list-style-type: none"> • Did you remove the load immediately after it finished? • Did you overload the tub? • Did you reverse the hot and cold water inlets? 	<ul style="list-style-type: none"> • Remove the load immediately after it finishes. • Do not overload the tub. • Hot water rinse can cause garments to wrinkle. Check the inlet hose connections.
Power is not turned on	<ul style="list-style-type: none"> • Is the power cord plugged in properly? • Has a house fuse blown, a circuit breaker tripped, or a power outage occurred? 	<ul style="list-style-type: none"> • Make sure that the plug is secured in a grounded 3-prong, 120 V (60 Hz) outlet. • 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.
The door does not open when the cycle pauses or finishes	<ul style="list-style-type: none"> • Is the temperature in the tub too high? • Is the water level in the water high? 	<ul style="list-style-type: none"> • 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. • Allow the washer to complete the programmed cycle, or Press the Spin Speed button.
The wash cycle time is longer than usual	<ul style="list-style-type: none"> • Is the washing machine overloaded? Are other options added to the wash cycle? 	<ul style="list-style-type: none"> • This is normal. The washing machine automatically adjusts the cycle time for the amount of laundry, water pressure, water temperature, and other operating conditions.
It is musty or moldy in the tub	<ul style="list-style-type: none"> • Has the incorrect detergent been used? • Did you clean the tub periodically? 	<ul style="list-style-type: none"> • Use only HE (High-Efficiency) detergent recommended for a front-loading washing machine. • See page 33, clean the inside and outside of the washing machine periodically.

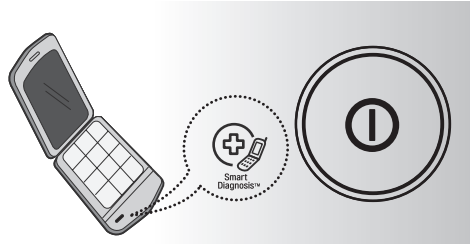
SPECIFICATIONS

Model WM8500H*A	
Description	Front-Loading Washer
Electrical requirements	120 VAC @ 60 Hz.
Max. water pressure	14.5 - 142 PSI (100 – 980 kPa)
Dimensions	73.7cm (W) X 81.4cm (D) X 103.5cm (H), 146cm (D with door open) 29" (W) X 32" (D) X 40 ¾" (H), 57½" (D with door open)
Net weight	225lb (102kg)
Max. spin speed	1,300RPM


USING Smart Diagnosis™

Should you experience any problems with your Washer, it has the capability of transmitting data to your Smart Phone using the LG Smart Laundry Application or via your telephone to the LG call center. Smart Diagnosis™ cannot be activated unless your Washer is turned on by pressing the POWER button. If your Washer is unable to turn on, then troubleshooting must be done without using Smart Diagnosis™.

Audible Diagnosis



Smart Diagnosis™ Using Your Smart Phone

1. Download the LG Smart Laundry application on your smart phone.
2. Open the LG Smart Laundry application on your smart phone. Press the right arrow button to advance to the next screen.
3. Press the RECORD button on the smart phone and then hold the mouth piece of the smart phone near the Smart Diagnosis™ logo on the Washer.
4. With the phone held in place, press and hold  button for three seconds.
5. Keep the phone in place until the tone transmission has finished. This takes about 6 seconds and the display will count down the time.
6. When the recording is complete, view the diagnosis by pressing the Next button on the phone.

! NOTE


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

Smart Diagnosis™ Through the CallCenter

1. Call the LG call center at: (LG U.S.) 1-800-243-0000 (LG Canada) 1-888-542-2623.
2. When instructed to do so by the call center agent, hold the mouthpiece of your phone over the Smart Diagnosis™ logo on the machine. Hold the phone no more than one inch (but not touching) the machine.

! NOTE

- Do not touch any other buttons or icons on the display screen.

3. Press and hold the  button for three seconds.
4. Keep the phone in place until the tone transmission has finished. This takes about 6 seconds and the display will count down the time.
5. Once the countdown is over and the tones have stopped, resume your conversation with the call center agent, who will then be able to assist you in using the information transmitted for analysis.

LG WASHING MACHINE LIMITED WARRANTY (USA)

WARRANTY:

LG Electronics U.S.A., Inc. ("LG") warrants your LG Washing Machine ("product") against defect in materials or workmanship under normal household use, during the warranty period set forth below. LG will, at its option, repair or replace the product. This limited warranty is valid only to the original retail purchaser of the product, is not assignable or transferrable to any subsequent purchaser or user, and applies only when the product is purchased through an LG authorized dealer or distributor and used within the United States ("U.S.") including U.S. Territories.

Note: Replacement products and repair parts may be new or factory-remanufactured and are warranted for the remaining portion of the original unit's warranty period or ninety (90) days, whichever is longer. Please retain dated receipt or delivery ticket as evidence of the Date of Purchase for proof of warranty (you may be required to submit a copy to LG or authorized representative).

WARRANTY PERIOD:

Period	One (1) year from date of original retail purchase:	Ten (10) years from date of original retail purchase:	Lifetime from date of original retail purchase:
Scope of Warranty	Any internal /functional Parts & Labor	Drum Motor (Stator, Rotor, and Hall Sensor)	Stainless Steel Drum
Remark	LG will provide parts & labor to repair or replace defective parts.	Parts only. Customer will be responsible for any labor or in-home service to replace defective parts.	

HOW SERVICE IS HANDLED: In-Home Service

In-home service will be provided, as available, during the warranty period subject to service availability within the U.S. To receive in-home service, the product must be unobstructed and accessible to service personnel. If the in-home service repair cannot be completed, it may be necessary to remove, repair and return the product. If in-home service is unavailable, LG may elect, at its option, to provide for transportation of the product to and from an LG authorized service center.

THIS LIMITED WARRANTY DOES NOT COVER:

- Service trips to deliver, pick up, or install the product or for instruction on product use.
- Replacing house fuses or resetting of circuit breakers, correction of house wiring or plumbing, or correction of product installation.
- Damage or failure caused by leaky/ broken/ frozen water pipes, restricted drain lines, inadequate or interrupted water supply or inadequate supply of air.
- Damage or failure caused by accidents, pests and vermin, lightning, wind, fire, floods or acts of God.
- Damage or failure resulting from misuse, abuse, improper installation, repair or maintenance. Improper repair includes use of parts not approved or specified by LG.
- Damage or failure caused by unauthorized modification or alteration to the product.
- Damage or failure caused by incorrect electrical current, voltage, or plumbing codes.
- Cosmetic damage, including scratches, dents, chips or other damage to the finish of the product, unless such damage results from defects in materials or workmanship and is reported to LG within seven (7) calendar days from the date of delivery.
- Damage or missing items to any display, open box, discounted, or refurbished product.
- Product where the original factory serial numbers have been removed, defaced or changed in any way.
- Repairs when product is used in other than normal and usual household use (e.g. rental, commercial use, offices, or recreational facilities) or contrary to the instructions outlined in the owner's manual.
- The removal and reinstallation of the Product if it is installed in an inaccessible location.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING AND WITHOUT LIMITATION TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ANY IMPLIED WARRANTY IS REQUIRED BY LAW, THIS WARRANTY IS LIMITED IN DURATION TO THE TERM PERIOD EXPRESSED ABOVE. REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY FOR THE CUSTOMER. NEITHER THE MANUFACTURER NOR ITS U.S. DISTRIBUTOR SHALL BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY NATURE, INCLUDING AND WITHOUT LIMITATION TO, LOST REVENUES OR PROFITS, OR ANY OTHER DAMAGE, WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

HOW TO OBTAIN WARRANTY SERVICE & ADDITIONAL INFORMATION:

Write your warranty information below:

Call 1-800-243-0000 or visit our website at www.lg.com.
Mail to: LG Customer Information Center (ATTN: CIC)
201 James Record Road, Huntsville, AL 35824

Product Registration Information:
Model:
Serial Number:
Date of Purchase:

LG WASHING MACHINE LIMITED WARRANTY (CANADA)

WARRANTY:

Should your LG Washer ("Product") fail due to a defect in material or workmanship under normal home use during the warranty period set forth below, LG Canada will at its option repair or the Product upon receipt of proof of original retail purchase. This warranty is valid only to the original retail purchaser of the product and applies only to a Product distributed in Canada by LG Canada or an authorized Canadian distributor thereof. The warranty only applies to Products located and used within Canada.

Period	One (1) year from the date of original retail purchase	Ten (10) years from the date of original retail purchase	Five (5) years from the date of original retail purchase
Scope of Warranty	Parts and Labor (internal/functional parts only)	DD Motor (Stator, Rotor, Hall Sensor)	Stainless Steel Drum
Remark	Washer	Extended Component Warranty (Parts Only) (Consumer will be charged for Labor after one (1) year from the date of purchase)	

- ▶ Replacement products and parts are warranted for the remaining portion of the original warranty period or ninety (90) days, whichever is greater.
- ▶ Replacement products and parts may be new or remanufactured.
- ▶ LG Authorized Service Center warranties their repair work for thirty (30) days.

LG Canada's sole liability is limited to the warranty set out above. Except as expressly provided above, LG Canada makes no and hereby disclaims all other warranties and conditions respecting the product, whether express or implied, including, but not limited to, any implied warranty or condition of merchantability or fitness for a particular purpose, and no representations shall be binding on LG Canada. LG Canada does not authorize any person to create or assume for it any other warranty obligation or liability in connection with the product. To the extent that any warranty or condition is implied by law, it is limited to the express warranty period above. LG Canada, the manufacturer or distributor shall not be liable for any incidental, consequential, special, direct or indirect damages, loss of goodwill, lost profits, punitive or exemplary damages or any other damage, whether arising directly or indirectly from any contractual breach, fundamental or otherwise, or from any acts or omissions, tort, or otherwise. This warranty gives you specific legal rights. You may have other rights which may vary from province to province depending on applicable provincial laws.

Any term of this warranty that negates or varies any implied condition or warranty under provincial law is severable where it conflicts with provincial law without affecting the remainder of this warranty's terms.

This limited warranty does not cover:

1. Service trips to deliver, pick up, or install the product; instructing a customer on operation of the product; repair or replacement of fuses or correction of wiring, or correction of unauthorized repairs/installation.
2. Failure of the product to perform during power failures and interruptions or inadequate electrical service.
3. Damage caused by leaky or broken water pipes, frozen water pipes, restricted drain lines, inadequate or interrupted water supply or inadequate supply of air.
4. Damage resulting from operating the Product in a corrosive atmosphere or contrary to the instructions outlined in the Product owner's manual.
5. Damage to the Product caused by accidents, pests and vermin, lightning, wind, fire, floods, or acts of God.
6. Damage resulting from the misuse, abuse, improper installation, repair, or maintenance of the Product. Improper repair includes use of parts not approved or specified by LG Canada.
7. Damage or product failure caused by unauthorized modification or alteration, or use for other than its intended purpose, or resulting from any water leakage due to improper installation.
8. Damage or Product failure caused by incorrect electrical current, voltage, commercial or industrial use, or use of accessories, components, or cleaning products that are not approved by LG Canada.
9. Damage caused by transportation and handling, including scratches, dents, chips, and/or other damage to the finish of your product, unless such damage results from defects in materials or workmanship and is reported within one (1) week of delivery.
10. Damage or missing items to any display, open box, discounted, or refurbished Product.
11. Products with original serial numbers that have been removed, altered, or cannot be readily determined. Model and Serial numbers, along with original retail sales receipt, are required for warranty validation.
12. Increases in utility costs and additional utility expenses.
13. Replacement of light bulbs, filters, or any consumable parts.
14. Repairs when your Product is used in other than normal and usual household use (including, without limitation, commercial use, in offices or recreational facilities) or contrary to the instructions outlined in the Product owner's manual.
15. Costs associated with removal of the Product from your home for repairs.
16. The removal and reinstallation of the Product if it is installed in an inaccessible location or is not installed in accordance with published installation instructions, including the Product owner's and installation manuals.
17. Accessories to the Product such as door bins, drawers, handles, shelves, etc. Also excluded are parts besides those that were originally included with the Product.

All costs associated with the above excluded circumstances shall be borne by the consumer.

For complete warranty details and customer assistance, please call or visit our website:

Write your warranty information below:

Call 1-888-542-2623 (24 hours a day, 365 days a year) and select Product Registration Information:
the appropriate option from the menu, or visit our website at <http://www.lg.com>

Model:
Serial Number:
Date of Purchase:



This product qualifies for ENERGY STAR in the "factory default (Home Use)" setting.

Changing the factory default settings or enabling other features may increase power consumption that could exceed the limits necessary to qualify for ENERGY STAR.

LG Customer Information Center

1-800-243-0000 USA

1-888-542-2623 CANADA

Register your product Online!

www.lg.com