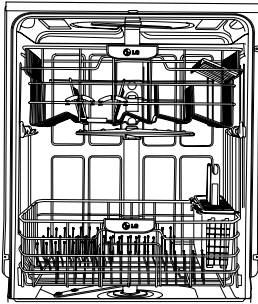


# D

## ■ Ultra Big Capacity

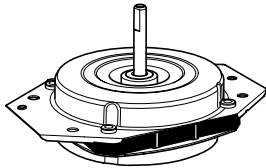


If you raise the Upper Rack, you can load large dishes in the Lower Rack. (Max. 14 in.)

The tall tub provides large dishes loading as well as large capacity.

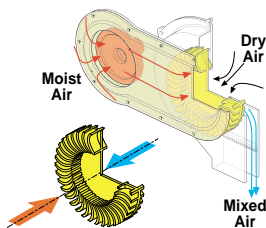
LG dishwashers let you load oversized items in the lower and upper rack.

## ■ Slim Direct Inverter Motor



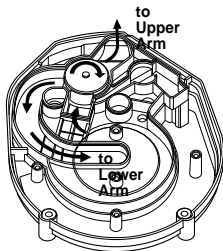
Newly introduced Slim Direct Inverter motor is inverter-controlled. Speed is controlled based on program selection. It also offers high energy efficiency to minimize energy loss.

## ■ Hybrid Drying System



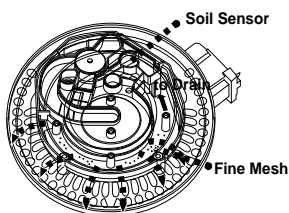
This is one of the best performance solutions for drying dishes because it minimizes venting humid air to the outside of the dishwasher. In addition, this system ensures better drying results compared to the condensing drying system.

## ■ Vario Spray System



Because of alternating water spray between the upper and lower racks, the water pressure allows superior performance and reduced consumption of water and electricity.

## ■ Self Cleaning Filter



For best wash results, the self-cleaning filter system continuously cleans the water as it circulates. Your LG dishwasher has a self-cleaning filter that grinds food in to small particles before it goes down the drain.

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PART 8. TROUBLESHOOTING .....	18

# SAFETY AND CAUTION

## IMPORTANT SAFETY INSTRUCTIONS

Serious injury or death may occur when not observing the following rules.

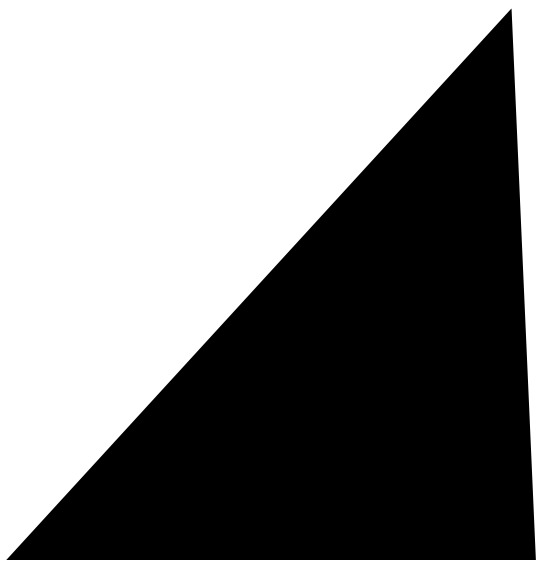
**WARNING** -To reduce any risk of electric shock, fire or other personal or property injury when using your dishwasher, please follow basic precautions, including the following :

- This manual contains very important notes regarding the installation, use and maintenance of your dishwasher.
- The manufacturer can not be responsible for problems caused by ignoring these safety and caution instructions.
- Read all instructions (manuals) carefully before using the dishwasher.
- Use the dishwasher only for its intended function, or household use.
- Use only detergents or wetting agents recommended for use in a dishwasher and keep them out of the reach of children.
- The appliance is not intended for use by young children or unqualified persons without supervision.
- When loading items to be washed :
  - 1) locate sharp items so that they are not likely to damage the door seal ; and
  - 2) load sharp knives with the handles up to reduce the risk of cut-type injuries.
- Do not wash plastic items unless they are marked dishwasher safe or the equivalent.  
For plastic items not so marked, check the manufacturer's recommendations.
- Do not touch the heating element during or immediately after use.
- Do not operate your dishwasher unless all enclosure panels are properly in place.
- Do not tamper with controls.
- Do not abuse, sit on, or stand on the door or dish rack of the dishwasher.
- To reduce the risk of injury, do not allow children to play in or on a dishwasher.
- Under certain conditions, hydrogen gas may be produced in a hot-water system that has not been used for two weeks or more. **HYDROGEN GAS IS EXPLOSIVE**. If the hot-water system has not been used for such a period, turn on all hot-water faucets and let the water flow 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.
- Remove the door to the washing compartment when disposing of an old dishwasher.

# S SAFETY AND CAUTION

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 WARNING

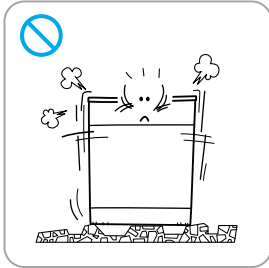




# S SAFETY AND CAUTION

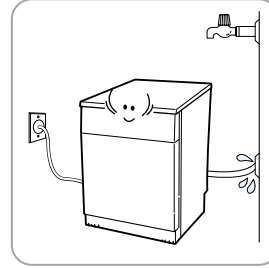
**! CAUTION** Injury, malfunction or poor performance may occur when not observing the following instruction.

## Installation



Place dishwasher on even and solid floor.

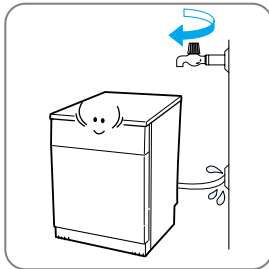
**Uneven surface may cause abnormal noise and vibration.**



After installation, make sure of hose connection.

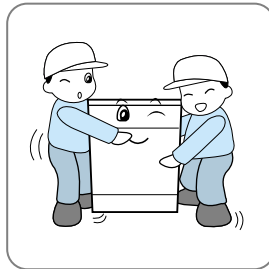
**Loosened connection may cause water leakage leading to property damage.**

## Use and Maintenance

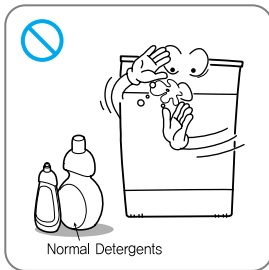


When dishwasher is not in use for a long time, close water valve.

**It may cause water leakage.**

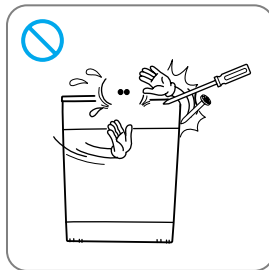


Dishwasher should be unpacked and moved by 2 or more persons due to its heavy weight.



Use only detergents or wetting agents recommended for use in a dishwasher and keep them out of the reach of children.

**Improper detergents may cause malfunctions, electric shock or fire due to excessive suds.**



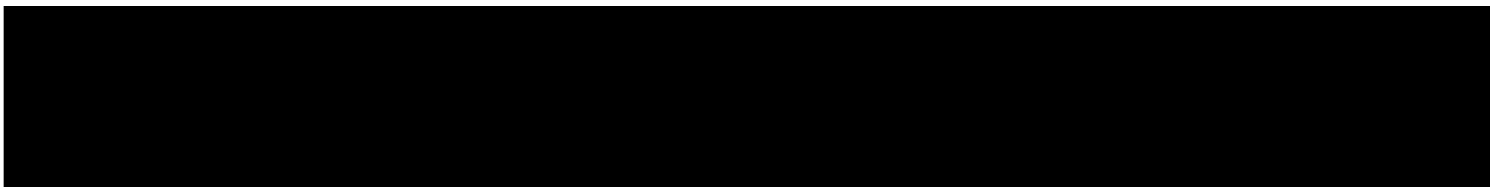
Do not press the button with sharp edged devices like a screwdriver or a pin.

**It may cause electric shock or malfunctions.**

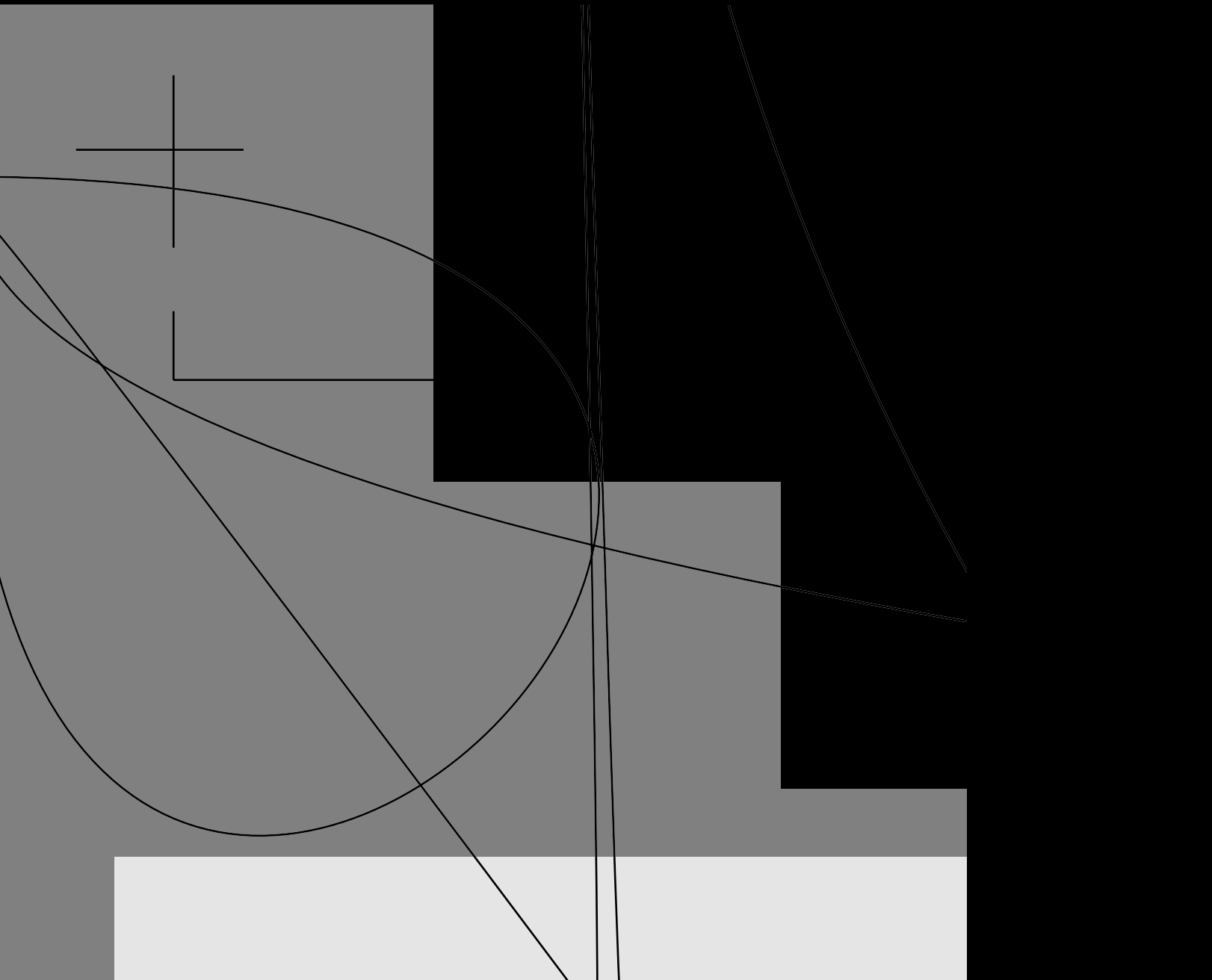


# **F**UNCTIONS OF CONTROL PANEL

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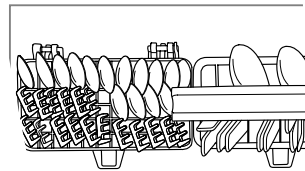


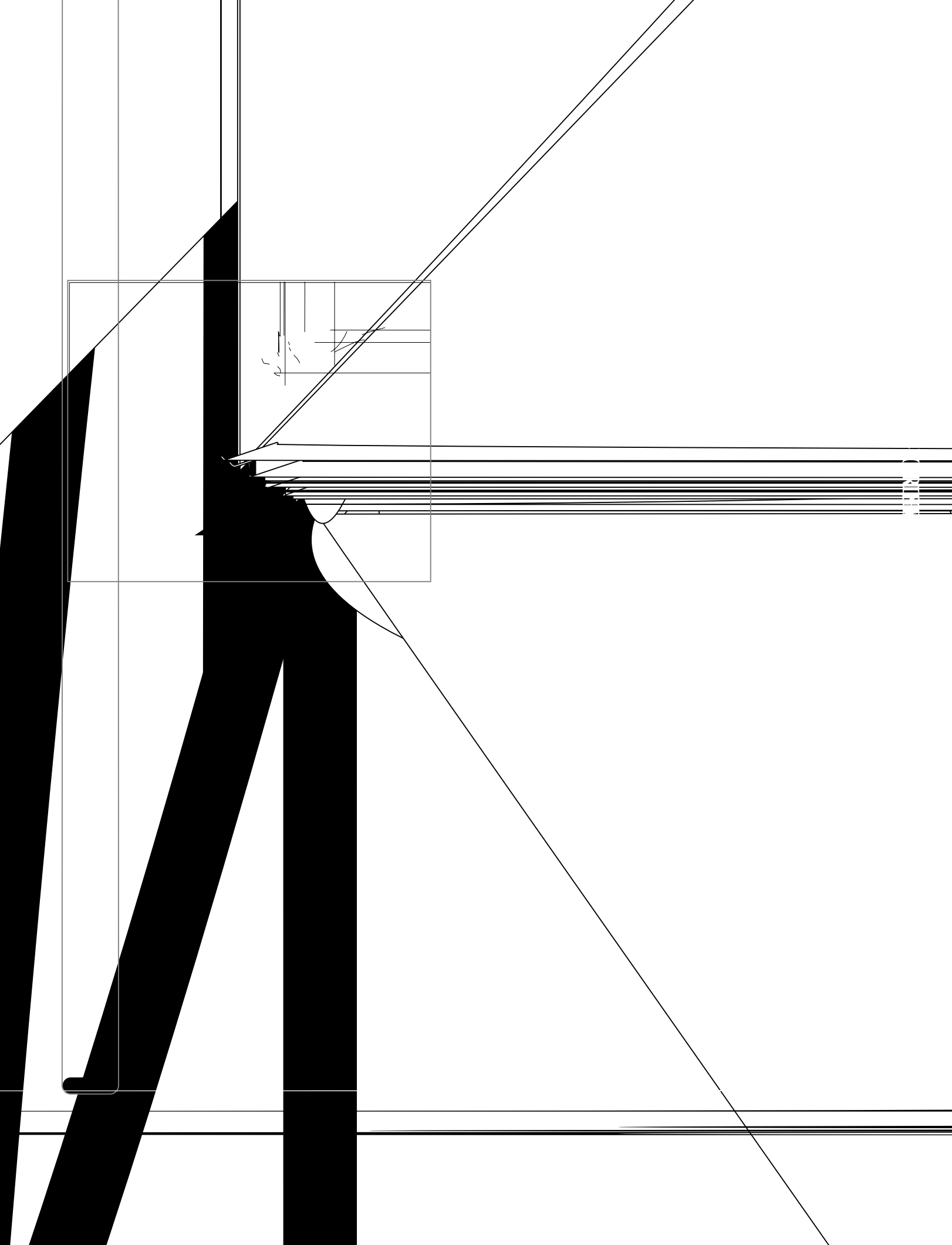


# WASHER

## Cutlery Basket

Racks are designed to hold delicate items securely in place. In addition, our extra-large racks have separators to avoid scratches on your delicate cutlery by using three separate baskets within both the upper and lower racks. For a small load of cutlery, the separators can be removed leaving extra space.







# U SING YOUR DISHWASHER

## Adding detergent to dispenser

- Detergent must be put into the detergent chamber before starting every program except the Pre-Wash.
- Please follow the manufacturer's instructions printed in the manual when determining the correct amount of detergent.
- If your dishes are only moderately dirty, you may be able to use less detergent than recommended.
- The detergent chamber holds 1.4 oz (40g) max.
- The amount of detergent depends on the program and dish loads. Refer to the guide table.

PROGRAM	AMOUNT OF DETERGENT
Soak	0.9oz (25g)
Power Scrub	0.9oz (25g)
Normal	0.7oz (20g)
Delicate	0.7oz (20g)
Quick Wash	0.7oz (20g)
Rinse Only	No detergent

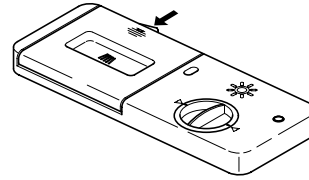
### Caution

#### Detergent Information

Use only the detergent intended for household dishwashers or the dishwasher may fill with suds during operation. Suds may reduce washing performance and could cause the unit to leak. (Hand- Wash detergent is not allowed for this dishwasher.)

## Filling the dispenser

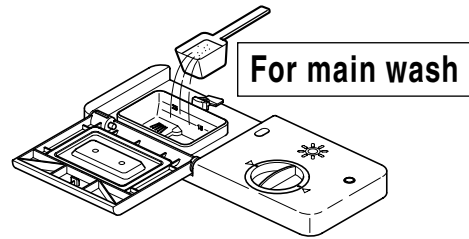
1. Push latch to open.



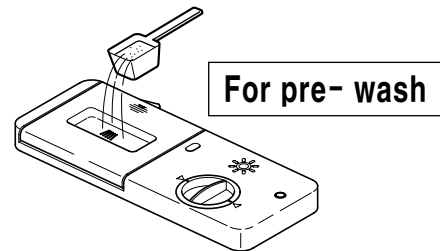
2. Add detergent to the main wash compartment. (See the table for the amount of detergent.)

### **NOTE**

*Do not add detergent for a rinse cycle.*



3. If needed, add detergent to pre wash compartment.



4. Close the cover. (You can hear cover latch click.)

### **NOTE**

*Too much detergent can leave a film on dishes.*

# USING YOUR DISHWASHER

## Adding Rinse Aid to dispenser

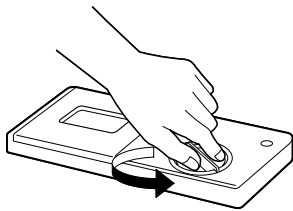
The purpose of rinse aids is to prevent possible spots on dishes formed from droplets during drying operation. By removing them, drying performance will be increased.

**NOTE**

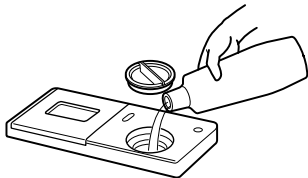
*Only liquid rinse aids can be used for this dishwasher.*

### • Filling Rinse Aid

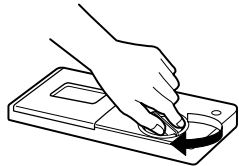
1. Rotate the round cap counterclockwise and remove it.



2. Add a liquid rinse aid to the maximum level. (Max. 4.8 oz (145mL))



3. Replace and lock the cap.

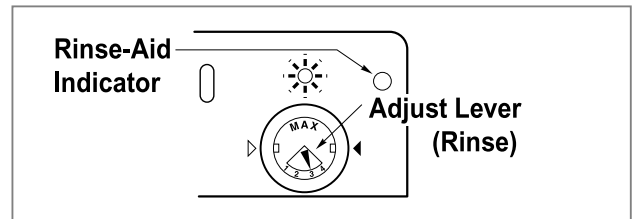


4. Rinse aid will be automatically dispensed during the final rinse cycle.

### • Rinse Aid Amount Setting

The factory setting is at level 3 which is where you can expect the best performance under a normal condition. After a cycle is done, if you notice some spots, streaks or water marks on the dishes, adjust to a higher setting. If you notice foam present on the bottom of the glasses or tub bottom, change to a lower setting.


1. Remove the cap.
2. Rotate adjuster to the desired setting.



### • Refilling Rinse Aid

4.8 oz (145mL) is the capacity of the rinse aid dispenser. The refilling period totally depends on your washing habits such as the number of washes per month and which rinse aid setting you adjust to your washing conditions. The indicator light will inform you when there is insufficient rinse aid in the dispenser. The indicator light will stay on when you close the door to start a cycle.



*When the  lamp is on, it indicates the rinse-aid reservoir is almost empty.*

- Black indicates sufficient Rinse Aid
- Clear indicates Rinse Aid required

# CARE & MAINTENANCE

For best results, it is important to periodically check and care for the filters and spray arms.

## Cleaning metallic parts

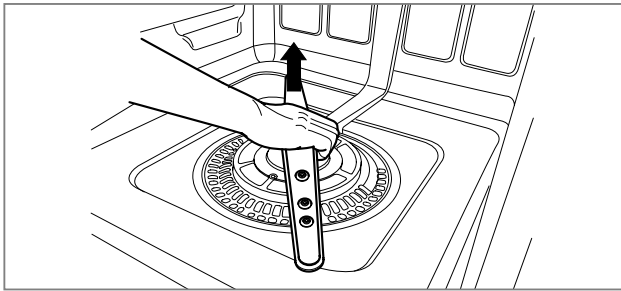
With a cloth or sponge, you can clean some parts such as exterior or interior parts.

Stainless steel tub has a tendency to build up cloudy film on its surface especially when using hard water.

## Cleaning Spray Arms

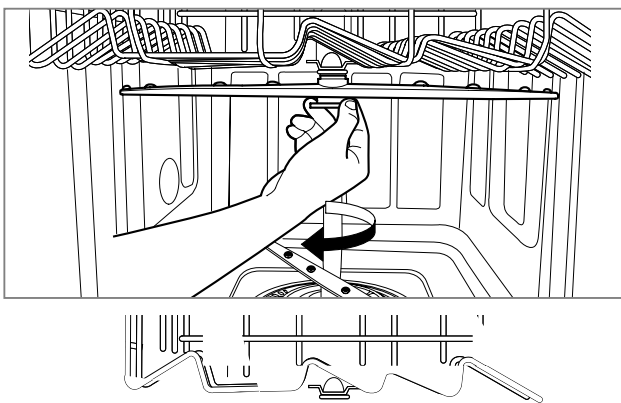
### - Lower Spray Arm

- Check that the water jet holes are not blocked by food particles.
- When cleaning is necessary, remove the Spray arm by pulling up.
- Clean the spray arm and replace it pushing down.



### - Upper Spray Arm

- Pull the upper rack forward. Make sure the water jet holes are not blocked by food particles.
- When cleaning is necessary, remove the arm by unscrewing the nut.
- Clean the spray arm and replace it in the reverse order. Make sure the nut is tight!



### - Top Spray Arm

- Make sure the water jet holes are not blocked by food particles.
- When cleaning is necessary, remove the arm by disassembling the hook from the bracket which holds the Top Spray Arm assembly to the tub.
- Clean the spray arm and replace it.

## Maintenance by seasons

- To prevent possible problems, be sure to follow procedures below.
- During the summer season If you are absent for extended periods of time, it is recommended that you close the water valve and unplug power cord.
- During the winter season, if room temperature where dishwasher is located is exposed to freezing, it is recommended that you winterize the water supply lines and product itself.

# OPERATING SEQUENCE

## 1. Open the door and press the power button.

Open the door. Press the power button to see the default setting.

## 2. Check rinse-aid.

The indicator lights will illuminate if refilling is necessary.

## 3. Load the dishes after first removing any scraps of food.

Remove any scraps of food in advance. Pull the lower rack out and load the dishes and cutlery in and push it all the way back. Pull the upper rack out and load the cups, glasses, etc.

## 4. Ensure that the spray arms can rotate freely.

## 5. Measure the detergent.

Add the required amount of detergent into the dispenser. Close the detergent dispenser lid.

## 6. Setting the program.

Select desired program and options. Before starting, the display window will show the estimated running time of the selected program. If the number of dishes only fill one rack, you can use the Half Load option. For example, if you load dishes only on the upper rack, you adjust the **Half Load** button to the upper rack.

### **Remember to load all dishes into the selected rack.**

The estimated remaining time will be displayed.

If the door is opened during operation, the dishwasher stops.

Once the door is closed, the program will restart from the point where it's stopped.

## 7. Close the door. The dishwasher will start automatically.

## 8. At the end of the Program.

End is displayed on the digital display for a few seconds and a tone will sound signaling the program completion. The dishwasher automatically switches off for safety and energy savings.

### **Caution**

Empty the lower rack first and then the upper one, this will avoid water dripping from the upper rack onto the dishes in the lower one.

### **Warning**

In general, it is not advisable to open the door while the dishwasher is running. If the door is opened, a safety device stops the machine. Care should be taken when opening the door immediately following the cycle, as steam may escape.

### **Auto-Off**

When the power is turned on, if you don't select program or if you don't close the door after selecting a program, your dishwasher will automatically turn off in 10 minutes.



# P PROGRAM

Program	WASH		RINSE				DRY	Water (gal/L)	Time (min)
	Pre Wash	Main Wash	Rinse 1	Rinse 2	Rinse 3	Heating Rinse			
Soak	120°F	140-149°F				162°F		5.5-9.2/ 21-35	143-191
	49°C	60-65°C				72°C			
Power Scrub		134-145°F				154°F		5.5-9.2/ 21-35	123-171
		57-63°C				68°C			
Normal		140°F				149°F		5.5-7.9/ 21-30	101-135
		60°C				65°C			
Delicate		115-120°F				154°F		5.5-7.9/ 21-30	103-120
		46-49°C				68°C			
Quick Wash		115°F				140°F		4.2 / 16	74
		46°C				60°C			
Rinse Only								1.3 / 5	14

## Soak

This program is for very heavily soiled loads including pots, pans and casserole dishes which may have dry food residue.

## Power Scrub

This program is for very heavily soiled loads.

## Normal

This program is for normally soiled everyday loads.

## Delicate

This program is for washing delicate items like glasses.

## Quick Wash

This program is to wash lightly soiled dishes and cutlery and wash them immediately after use.

## Rinse Only

This program is for very lightly soiled loads.

# TROUBLESHOOTING

Problem	Causes	Recommended Actions
Dishwasher does not operate	Door is not completely closed.	Check the door is completely closed and latched.
	Cycle is not selected.	Select the desired cycle.
	Power supply is not connected.	Connect power supply properly.
	Water is not supplied.	Check water faucet.
	Fuse is blown out.	Replace fuse or reset circuit breaker.
Too long operation	Cold water is supplied.	Check hot water faucet is connected (Heating water takes it longer).
Odor	Remaining water inside from the last cycle	Use a RINSE ONLY cycle until dishes are fully loaded.
Water remains after a cycle finishes	Drain hose is bent or clogged.	Straight hose.
Food Soil remains on dishes	Improper cycle selection	Select right cycle based on dish types and soil toughness.
	Water temperature is low.	Use hot water faucet.
	Dishwashing detergent was not used.	Use recommended detergents.
	Low inlet water pressure	Water pressure should range between 20 ~ 120psi.
	Water jet holes of spray arms blocked.	Clean the arm.
	Improper dish loading	Dishes shouldn't interrupt arm rotation and detergent dispensing.
Spots and filming on dishes	Low water temperature	Supplied water temperature should be 120° F for the best washing performance.
	Proper detergent amount used	Use the recommended amount of detergent.
	Overloading	Load the proper amount of dishes.
	Improper loading	Rearrange dish loading referring to photo at page 10 & 11.
	Insufficient water pressure	Adjust water pressure between 20 and 120 psi.
	Insufficient detergent	Add the recommended amount of detergent referring to detergent instructions.
	Rinse aid dispenser empty.	Refill the Rinse aid dispenser.
	Extremely hard water	Install home water softener.
Noise	This is normal.	Detergent cover opening. Drainage Sound at the early stage.
	Your Dishwasher isn't horizontal.	Reposition your dishwasher.
	Nozzle arm knocks against the dishes.	Reposition your dishes.
Cloudiness on glassware	Combination of excessive detergent and soft water	Underload the dishwasher and use a rinse aid to minimize this process.
Black or gray marks on dishes	Aluminum items rub dishes during cycle.	Remove aluminum markings with a mild cleaner.
Yellow or brown film on inside surfaces	Coffee or tea soils	Eliminate the soil by using a stain removal product.
Dishes don't dry	Rinse agent dispenser empty.	Check and refill the rinse agent if empty.
The lamps don't illuminate	Power is not connected.	Connect power supply.
	Fuse is blown out or circuit breaker is tripped.	Replace fuse and repair circuit breaker.
Spray arms don't rotate smoothly	The holes of spray arms is blocked by food particles.	Clean the holes of the spray arms.
Upper rack crooked after loading	Rack is poorly adjusted.	Adjust the upper rack properly referring to page 10.
IE Error	Water inlet trouble	Check clogging of water inlet hose (or hose twist or freezing).
		Check water supply.
OE Error	Drainage trouble	Check clogging of water drain hose (or twist or freezing).
FE Error	Excessive water supplied	Please call your Authorized Service Center or LGE Customer Service at 1-800-243-0000.
E1 Error	Water leakage trouble	
HE Error	Heater Circuit Failure	
TE Error	Thermistor trouble or very high inlet water temperature. (over 194°F)	

If you can't fix problems with the above actions or you have different problems which are not mentioned in the manual, please call LGE Customer Service at 1-800-243-0000.

# WARRANTY



## LG ELECTRONICS, INC. LG Washing Machine Limited Warranty - USA

Your LG Dishwasher will be repaired or replaced, at LG's option, if it proves to be defective in material or workmanship under normal use, during the warranty period ("Warranty Period") set forth below, effective from the date ("Date of Purchase") of original consumer purchase of the product. This warranty is good only to the original purchaser of the product and effective only when used in the United States, including Alaska, Hawaii, and U.S. Territories.

### WARRANTY PERIOD:

**LABOR: One Year** from the Date of Purchase.

**PARTS (except as listed below): One Year** from the Date of Purchase.

**Electronic Control Board: 5 Years** from the Date of Purchase.

**Dishwasher Rack: 5 Years** from the Date of Purchase.

**Stainless Steel Door Liner and Tub: Lifetime** (as long as owned by the original purchaser)

Replacement Units and Repair Parts may be new or factory remanufactured.

Replacement Units and Repair Parts are warranted for the remaining portion of the original unit's warranty period.

### HOW SERVICE IS HANDLED:

**In-Home Service:** Please retain dealer's dated bill of sale or delivery ticket as evidence of the Date of Purchase for proof of warranty, and submit a copy of the bill of sale to the service person at the time warranty service is provided.

**Please call 1-800-243-0000 and choose the appropriate option to locate your nearest LG Authorized Service Center.**

Or visit our website at : <http://www.lgservice.com>.

**THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT ANY IMPLIED WARRANTY IS REQUIRED BY LAW, IT IS LIMITED IN DURATION TO THE EXPRESS WARRANTY PERIOD ABOVE. NEITHER THE MANUFACTURER NOR ITS U.S. DISTRIBUTOR SHALL BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY NATURE, INCLUDING WITHOUT LIMITATION, 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.

### **THIS LIMITED WARRANTY DOES NOT APPLY TO:**

- Service trips to your home to deliver, pick up, and/or install the product, instruct, or replace house fuses or correct wiring, or correction of unauthorized repairs.
- Damages or operating problems that result from misuse, abuse, operation outside environmental specifications or contrary to the requirements of precautions in the Operating Guide, accident, vermin, fire, flood, improper installation, acts of God, unauthorized modification or alteration, incorrect electrical current or voltage, or commercial use, or use for other than intended purpose.

The cost of repair or replacement under these excluded circumstances shall be borne by the consumer.

### **CUSTOMER INTERACTIVE CENTER NUMBERS**

**To obtain Customer Assistance, Product Information. Or Dealer or Authorized Service Center location.**

**Call 1-800-243-0000** (24 hours a day, 365 days per year) and select the appropriate option from the menu.  
**Or visit our website at : <http://www.lgservice.com>**

### **TO CONTACT LG ELECTRONICS BY MAIL:**

LG Customer Interactive Center  
P.O. Box 240007  
201 James Record Road  
Huntsville, Alabama 35824  
ATTN: CIC



**LG Electronics Inc.**

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