



**☎ 1-800-243-0000**

24 HOURS A DAY, 7 DAYS A WEEK FOR LG CUSTOMER SERVICE

# Owner's Manual

## Dishwasher

**MODEL : LDF8812ST/LDF8812WW/LDF8812BB**

Please read this manual carefully. It provides instructions on safe installation, use and maintenance.

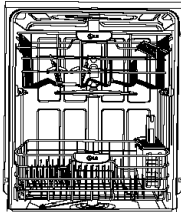
Retain it for future reference.

Record the model and serial numbers of your machine and report this information to your dealer if your machine requires service.

To obtain nearest authorized service center or sales dealer, or to obtain product, customer, or service assistance, call 1-800-243-0000 (24 hours a day, 7 days per week) and choose the appropriate prompt from the menu and have your product type, model number, serial number and Zip code; or visit our web site at <http://www.lgservice.com> or <http://us.lgservice.com>

# DISHWASHER FEATURES

## ■ Ultra Large Capacity

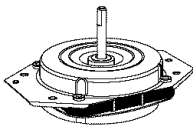


If you raise the upper rack, you can load large dishes in the lower rack. (Max. 14 in.)

The tall tub provides the clearance to handle large dishes as well as overall large capacity.

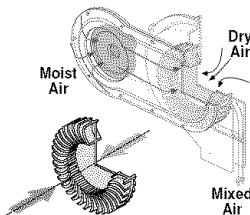
LG dishwashers let you load very large items in the upper and lower racks.

## ■ Slim Direct Motor™



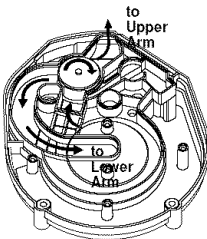
The new **Slim Direct motor™** is inverter-controlled. Wash power is controlled based on program selection. It also offers high energy efficiency to minimize energy use.

## ■ Hybrid Drying System



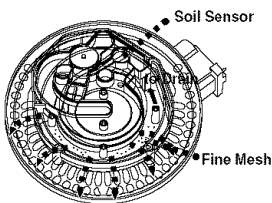
This is one of the best performance solutions for drying dishes because it minimizes venting humid air to the outside of the dishwasher. In addition, this system ensures better drying results compared to the condensing drying system while minimizing energy consumption.

## ■ Vario Spray System



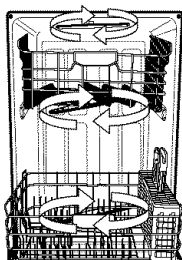
Because the water spray is alternated between the upper and lower racks, all the power from the motor is directed to only one rack at a time which allows superior performance and reduced consumption of water and electricity.

## ■ 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 into small particles before it goes down the drain.

## ■ Dual Intensity™ Wash Cycle



The spray intensity of the upper and lower racks independently. You can select wash power based on soil level. For example by selecting Soft Spray for the upper rack and Strong Spray for the lower rack, you can, for example, wash delicate items like stemware on the upper rack while washing pots and pans on the lower rack.

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# S AFETY AND CAUTION

## IMPORTANT SAFETY INSTRUCTIONS

Serious injury or death may occur if the following rules are not observed.

**WARNING** - To reduce any risk of electric shock, fire, personal injury or property damage 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.
- 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.
- 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 injury when reaching into the dishwasher.
- 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 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

## SAVE THESE INSTRUCTIONS

### For a permanently connected dishwasher:

This appliance must be connected to a grounded metal, permanent wiring system or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the appliance.

### ⚠ WARNING



#### Tip Over Hazard

Do not put excessive downward force on the open door prior to installation as this could cause damage to the unit or cause it to tip over. The dishwasher should not be used before installation has been completed in accordance with the instructions in the installation manual.

### ⚠ WARNING

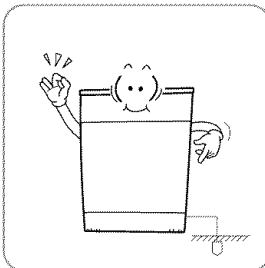


#### Electrical Shock Hazard

Not following these instructions can result in death, fire or electrical shock. The dishwasher **MUST** be grounded. Connect the ground wire to green ground connector in terminal box. Do not use an extension cord.

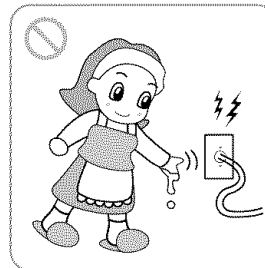
**⚠ WARNING** Not observing these instructions may result in serious injury or death.

## Installation



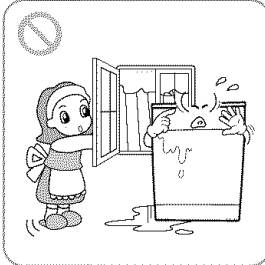
The dishwasher is designed for standard household current (120 Volts AC, 60 Hz.) Before connecting the dishwasher, ensure the outlet or cable is properly fused and grounded.

**Not being grounded may cause breakdowns or electric shocks.**



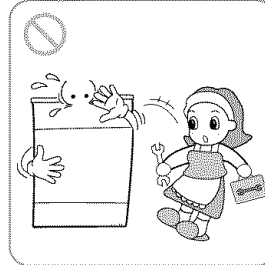
Do not grasp the power cord or switch with wet hands. Do not use a damaged power cord, plug or socket.

**It may cause electric shock.**



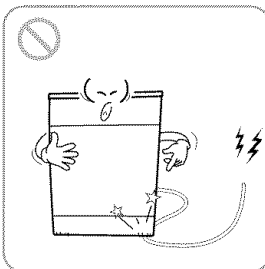
Do not install or store the dishwasher where it will be exposed to the weather.

**It may cause an electric shock, fire, malfunction and deformation.**



Disassembly or repair should be conducted by experienced service persons.

**Improper disassembly or repair could head to product failure or electrical shock.**



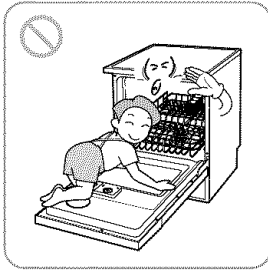
Do not damage the power cord itself or place heavy objects on the cord.

**Power cord damage may cause fire and electric shock.**

# S SAFETY AND CAUTION

**! WARNING** Serious injury or death may occur if the following instructions are not observed.

## Use and Maintenance



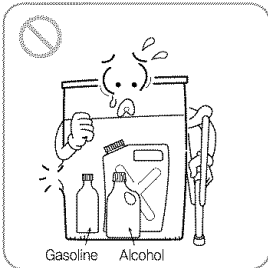
Do not allow children or pets to play on the door or inside the dishwasher.  
Do not allow children to hang on the door because the door may collapse and they may be injured.

**Children might fall off.  
Pets or children may be injured by rotating parts or suffocated inside tub.**



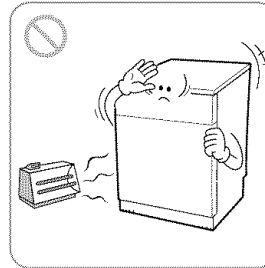
Don't leave racks out of dishwasher.

**Children might play inside a dishwasher.  
Children may be injured by playing with racks.**



Do not store or use combustible materials, gasoline or other flammable vapors and liquids in or around dishwasher.

**It may cause fire.**



Keep the dishwasher away from electric stove, candles, and any flammable objects.

**It may cause some parts to melt or fire.**



Do not pour water on to the dishwasher.

**It may cause fire and electric shock.**

**! CAUTION** concerning the Power Cord

Most appliances should be connected to a dedicated circuit; that is, a single outlet circuit which powers only that appliance and has no additional outlets or branch circuits. Check the specification page of this owner's manual to be certain (See page 7). Do not overload wall outlets. Overloaded wall outlets, loose or damaged wall outlets, extension cords, frayed power cords, or cords with damaged or cracked wire insulation are dangerous. Any of these conditions could result in electric shock or fire. Periodically examine the cord of your appliance, and if its appearance indicates damage or deterioration, unplug it, discontinue use of the appliance, and have the cord replaced with an exact replacement part by an authorized service person. Protect the power cord from physical or mechanical abuse, such as being twisted, kinked, pinched, closed in a door, or walked upon. Pay particular attention to plugs, wall outlets, and the point where the cord exits the appliance.

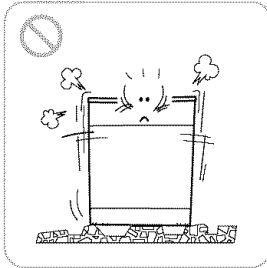
### Child Safety

- Controls may be locked using Child Lock mode to prevent settings from being changed during operation by children. (See page 9.)
- Keep children away from detergents and rinse aids.
- Do not allow children to operate the dishwasher.
- Young children should be supervised to ensure that they do not play with the appliance.

# S SAFETY AND CAUTION

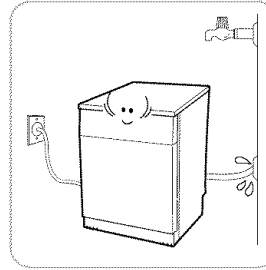
**! CAUTION** Failure to observe the following instructions may result in injury, malfunction or poor performance.

## Installation



Place dishwasher on even and solid floor.

Uneven surface may cause abnormal noise.

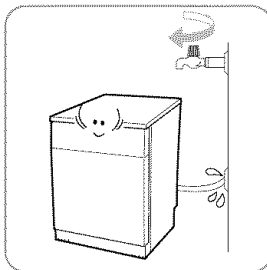


After installation, make sure water supply connections are tight.

Loosened connection may cause water leakage leading to property damage.

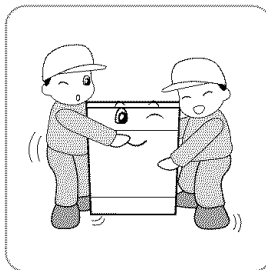
**NOTE** Detailed installation instructions are contained in the installation instruction manual included with your dishwasher. Be sure to read observe all instructions in the installation manual.

## Use and Maintenance

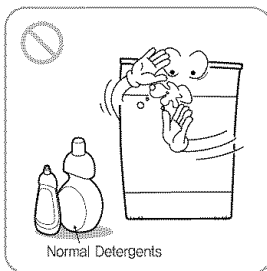


When dishwasher is not used for a long period of time, close the water valve.

Water leakage and property damage could occur if there is a failure.

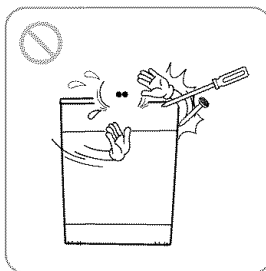


Dishwasher should be unpacked and moved by 2 or more persons due to its heavy weight.



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

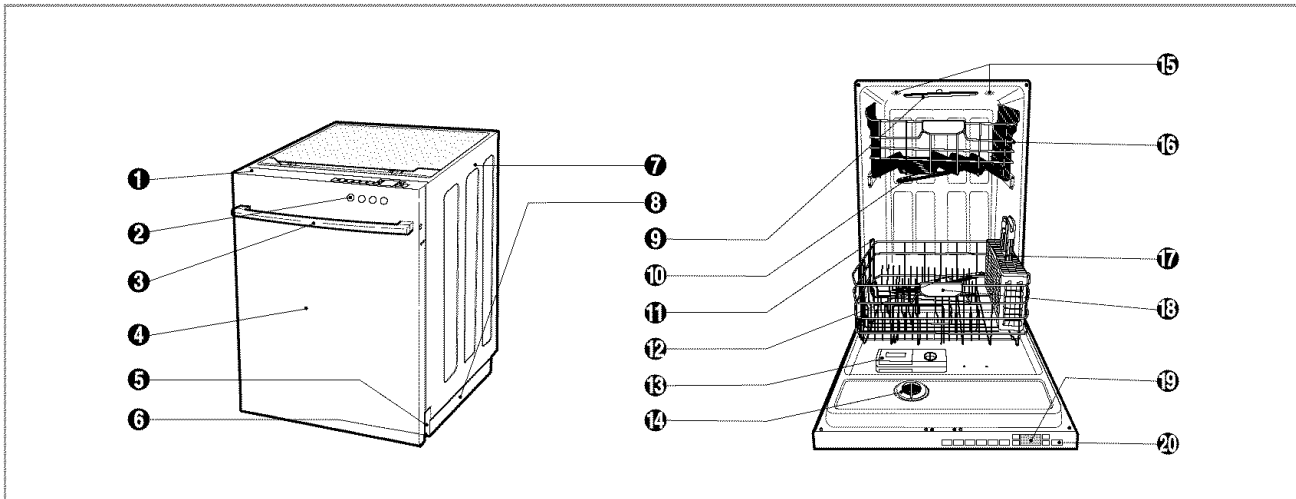
Improper detergents may cause malfunctions, electric shock, or fire due to excessive sudsing.



Do not press the buttons with sharp edged objects like silverware. Use only your fingers.

It may cause electric shock, failure or damage to the controls.

# PARTS OF YOUR DISHWASHER



- |  |                                   |
|--|-----------------------------------|
| ① Control Panel                        | ⑪ Removable Tines                 |
| ② Front Display ( <b>SignaLight™</b> ) | ⑫ Lower Spray Arm                 |
| ③ Door Handle                          | ⑬ Detergent & Rinse Aid Dispenser |
| ④ Front Cover                          | ⑭ Vapor Vent Cover                |
| ⑤ Lower Cover                          | ⑮ Tub Lamp ( <b>IllumiTub™</b> )* |
| ⑥ Leveling Foot                        | ⑯ Upper Rack                      |
| ⑦ Side Cabinet                         | ⑰ Cutlery Basket                  |
| ⑧ Base                                 | ⑱ Lower Rack                      |
| ⑨ Top Spray Arm                        | ⑲ Top Display                     |
| ⑩ Upper Spray Arm                      | ⑳ Power Button                    |

\* **IllumiTub™** comes on when the door is opened. It goes off when the door is closed.

## Specifications

- Power Supply: 120V, 60Hz AC only, minimum 15A circuit breaker.
- Water Pressure: 20 - 120 psi (140 - 830 kPa)
- Size (WxDxH): 23 7/8" x 25" x 33 7/8"  
(606 mm x 635 mm x 860 mm)
- Minimum Recommended Inlet Water Temperature: 120°F (49°C)
- Weight: 115 lbs. (52 kg)

The appearance and specifications are subject to change without notice.

# FUNCTIONS OF CONTROL PANEL

## Front Display

### Process Indicator (Signalight™)

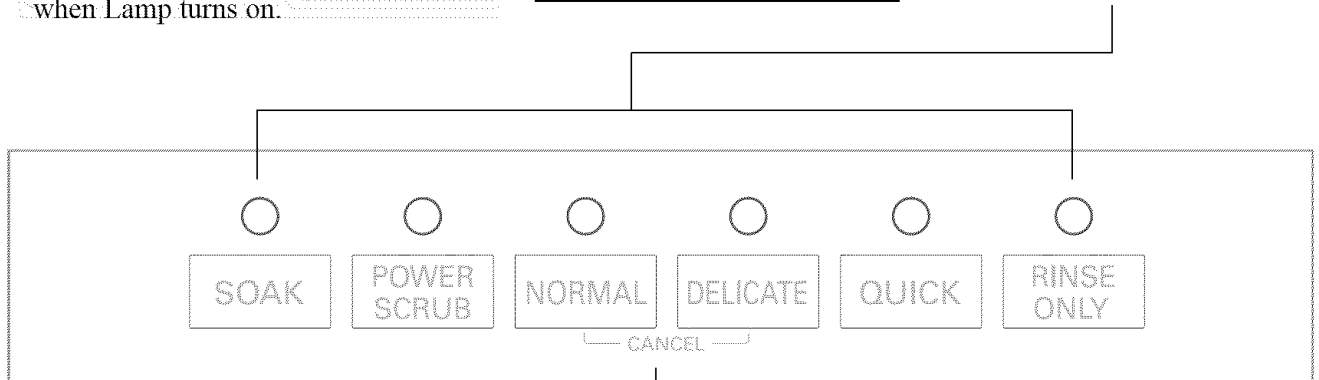
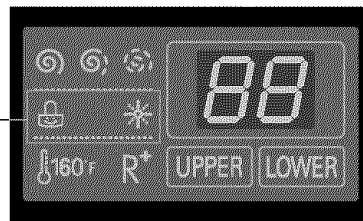


## PROGRAM

- Press the program that corresponds to your desired wash cycle.

## INDICATOR

- Child Lock (🔒): Lamp will turn on when **Child Lock** setting is on.
- Rinse Aid (\*): Refill with rinse aid when Lamp turns on.



### 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

This program is for that quick wash of lightly soiled, recently used dishes and cutlery.

### Rinse Only

This program is for just a quick rinse of dishes. No detergent is used.

## CANCEL

- To cancel a running program, open the door, then press and hold the **Normal** and **Delicate** buttons for 3 seconds.
- The drain pump will be activated and the cycle will be canceled.

**NOTE** Only the sanitary cycle is designed to meet sanitization standards. There is no intention, either directly or indirectly, that all cycles Will meet sanitization standards.



## SPRAY (INTENSITY)

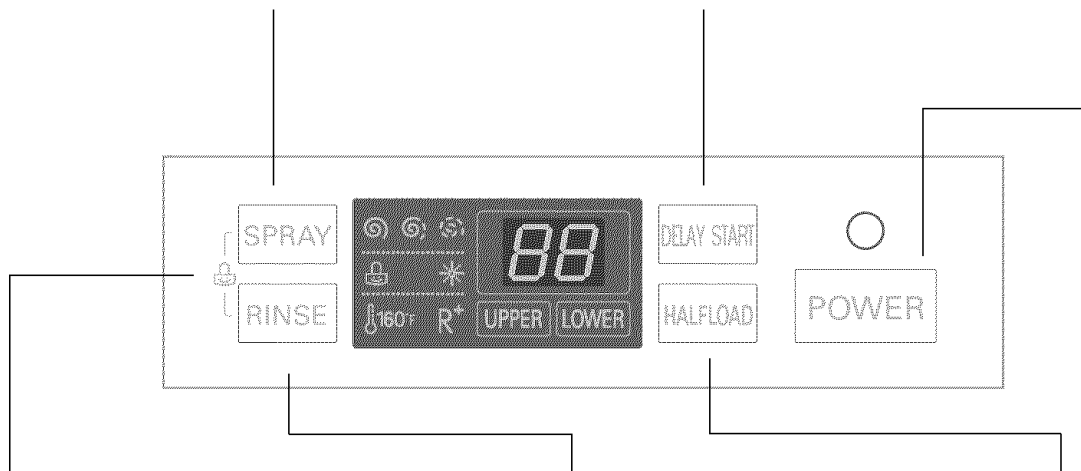
- Repeated pressing of the Spray button will select **Strong**(☉), **Medium**(☉) or **Soft**(☉).

## DELAY START

- If you want to delay the start of a selected program, press the **Delay Start** button.
- Each press of **Delay Start** will delay the start of the cycle by one additional hour.
- The delay start time can be adjusted from 1 to 24 hours in one-hour increments.

## POWER

- Pressing the **POWER** button turns on power to the control.
- After the cycle is complete, the power automatically switches off after 4 minutes for safety and economy.
- If there is an unusual Power surge or disturbance, the power will be automatically turned off for safety and the cycle will have to be started over.



## CHILD LOCK

- Locks the control buttons during cycle operation to prevent the settings from being changed during operation.
- To lock/unlock, press **Spray** and **Rinse** buttons simultaneously for 3 seconds with door open.

## SANITARY/EXTRA RINSE

- Repeated pressing of the Rinse button will select **Sanitary**(160°), **Extra Rinse**(R<sup>+</sup>) or both.
- If you select the **Sanitary** Function, the Sanitary Light blinks when the water temperature meets the sanitary temperature level, and steadily illuminated at the end of cycle when the sanitary temperature level has been met to achieve sanitization.
- When you select **Extra Rinse**, an additional rinse cycle is added.

## HALF LOAD

- In case of a small load, use just the upper or lower rack to save energy.
- Each press of the **Half Load** button cycles between upper rack only and lower rack only.
- If you don't press **Half Load**, the dishwasher runs normally, i.e. operation of upper and lower spray arms alternate periodically.

**NOTE** This high temperature rinse sanitizes dishware and glassware in accordance with NSF/ANSI Standard 184 for Residential Dishwashers. Certified residential dishwashers are not intended for licensed food establishments.

# USING YOUR DISHWASHER

**Before using the dishwasher, please read the Important Safety Instructions.**

Water supply temperature should be a minimum of 120°F (49°C) for better washing and reasonable cycle time.

For this reason, use hot water faucet only.

It is also important that the dishwasher is loaded according to instructions for the effective cleaning. When loading your dishwasher, make sure that insoluble items such as bones, toothpicks and pieces of paper have been removed.

When loading the dishwasher, observe the following general guidelines;

1. Deep based items should be placed at an angle to help water run off and dry properly.
2. Remove solid, burnt-on scraps from dishes prior to loading in the dishwasher.
3. Load only items which are dishwasher safe.

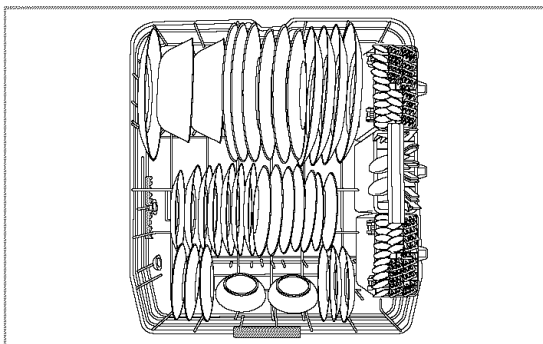
**NOTE** Please avoid utensils that are non-heat resistant, metal decorated, etc.

## Loading the Lower Rack

The extra tall tub allows loading of dishes, pans or other utensils that are up to 14 inches in size.

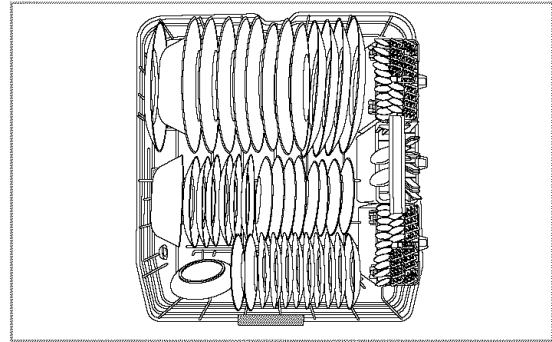
**NOTE** Do not obstruct the rotation of the spray arms. Make sure large items do not prevent the detergent dispenser from opening.

The lower rack is best loaded with dinner plates, soup bowls, dishes, pots, pans, lids and even a grill tray. Plates should be positioned upright and facing the center of the rack. Pots, pans and large dishes must be turned so that the inside is facing downward.



Sample 10 place setting, lower rack

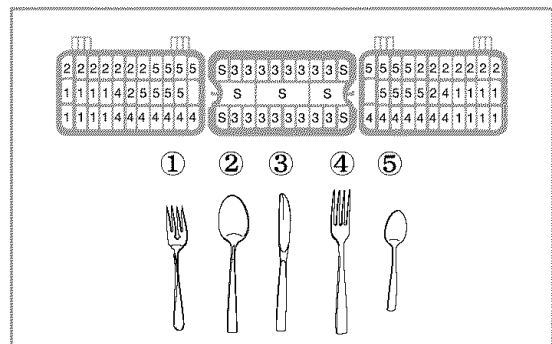
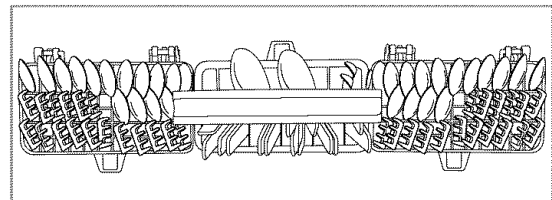
Basically the lower rack is not meant to load small items like cups, wine glasses, or small plates. These items should be loaded on the upper rack for proper distribution. Racks are designed to hold even the most delicate items securely in place as well as tall items.



Sample 12 place setting, lower rack

## Cutlery Basket

Cutlery and knife rack has separators to avoid scratching and tarnishing of your delicate cutlery. The basket can be divided into three separate baskets which can be used on both the upper and lower levels. If you only have a small load of cutlery, the baskets can be removed leaving extra space for other plates.



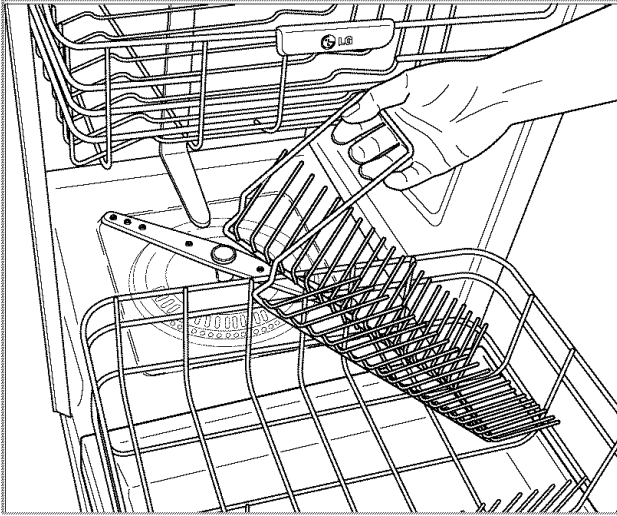
### ⚠ WARNING

Be careful when loading and unloading sharp-edged items. Load sharp knives with the handles up in order to reduce the risk of injury.

# U SING YOUR DISHWASHER

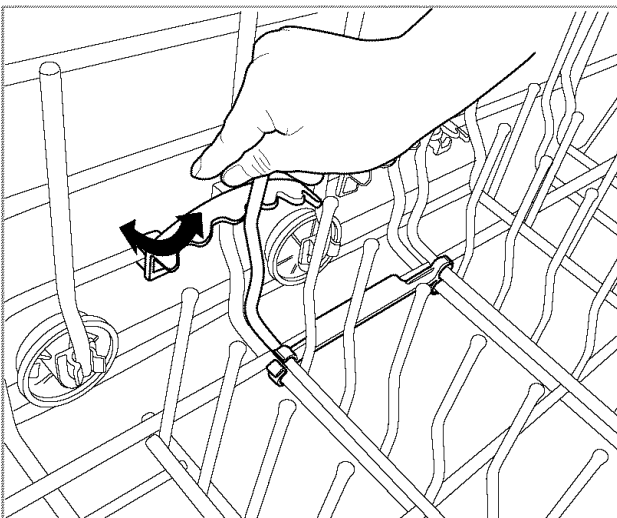
## Removable Tines

If you need to wash large items, you can remove the tines from the lower rack.



## Adjustable angular tines

The plate supports in the lower and upper racks can be folded down. Based on the size and shape of the dishes, you can adjust the angle of the tines to five different positions.

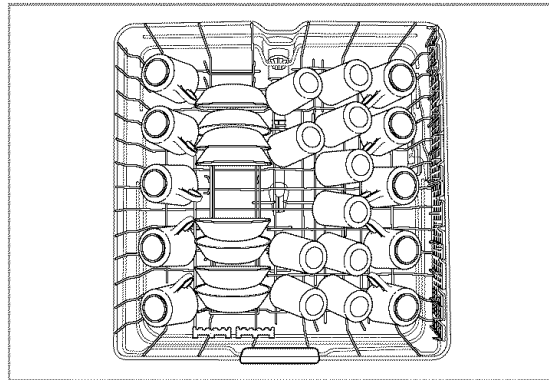


### **NOTE**

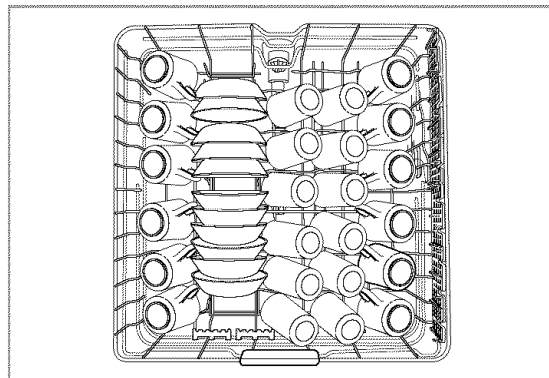
*Use caution when adjusting angular tines and apply gentle force.*

## Loading the Upper Rack

The upper rack is best loaded with more delicate items, small plates, cutlery basket, cups, glasses and dishwasher safe plastic items. Plates should be positioned upwards with the plate bottom facing the front of the rack. Cups, glasses and bowls must be positioned upside down. Extra cups or cooking utensils can be laid on the fold down cup racks which may also provide support for long stem glasses. Take care not to obstruct the rotation of the spray arms above and below the upper rack.



Sample 10 place setting, upper rack




Sample 12 place setting, upper rack

# USING YOUR DISHWASHER


## Height Adjustable Upper Rack for 14 in. lower rack capacity

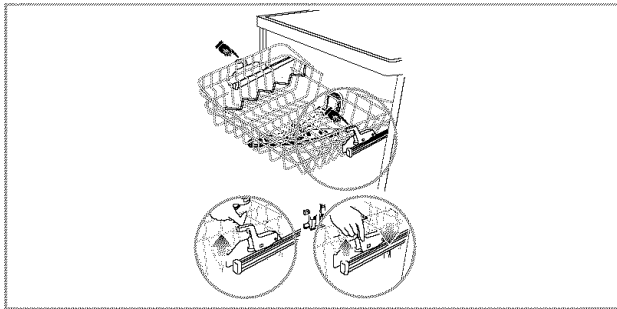
The upper rack adjusts up and down to let you put tall and oversized items on it. The racks can be adjusted to allow 14 inch plates on the bottom rack or the upper rack will allow 12 inch dishes.

### To raise the rack

Raise the upper rack by lifting the rack at the middle of each side (  marked position) until the rack locks in place.

### To lower the rack

Hold the rack in the middle of each side to support the weight of the rack, then lift the lever on each side to release the rack and lower it. (  marked position).



### NOTE

After adjusting, check that the spray arm is free to rotate without being stopped by dishes loaded on the upper or lower racks. Do not adjust the rack when it is loaded with dishes.

## Caution

### Non Dishwasher-Safe Items

The combination of high water temperature and dishwasher detergents may damage certain items. Therefore we do not recommend using the dishwasher to wash the following items:

- Hand painted silver or gold leaf crockery
- Wood or bone handled utensils
- Iron or non-rustproof utensils
- Plastic items which are not dishwasher safe.

## Half Loading Option

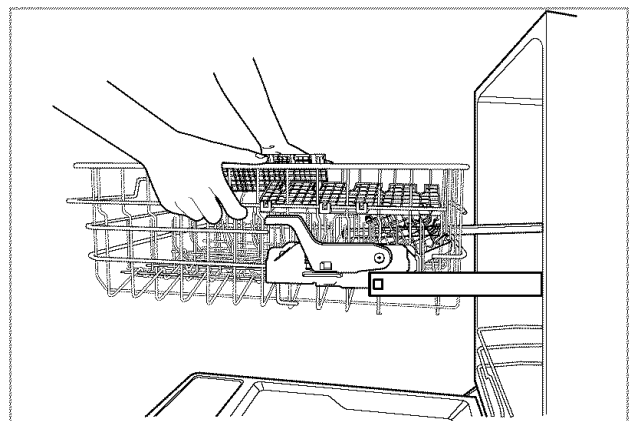
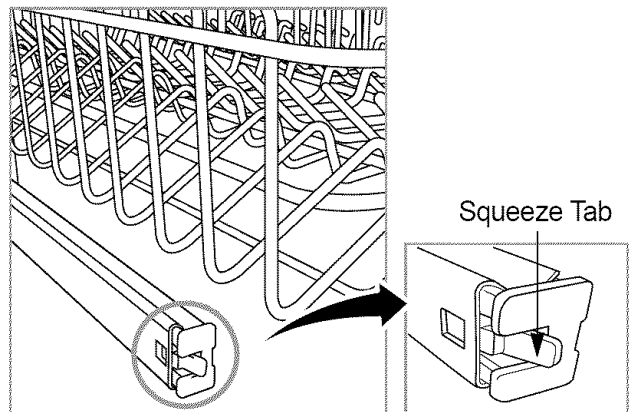
In the event that you do not have enough dishes for a full load, you can simply load dishes in the upper rack or in the lower rack only. You can then wash either rack separately by selecting the half load option. This will bring about a savings in hot water, electricity and time.

## Removing the Upper Rack

The upper rack can be removed to make more room in the lower rack.

To remove the upper rack

1. Pull the upper rack out until it stops.
2. Squeeze the tab of the retainer at the end of each side rail and remove it.  
Be careful not to allow the upper rack to fall off the rails while removing the retainers.
3. Pull the upper rack out of the slides.



### NOTE

Always remove dishes from the upper rack before removing the rack.

# U SING YOUR DISHWASHER

## Adding detergent to dispenser

- Detergent must be put into the detergent chamber before starting every cycle except when Rinse Only is selected.
- 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) when full.
- The amount of detergent depends on the program, dish load and soil level. Refer to the table below and adjust these recommended amounts as necessary for your load.

CYCLE	AMOUNT OF DETERGENT	
	PRE-WASH compartment	PRE-WASH compartment
Soak	Full(0.2 oz)	½ Full(0.7 oz)
Power Scrub	Full(0.2 oz)	½ Full(0.7 oz)
Normal	None	½ Full(0.7 oz)
Delicate	None	½ Full(0.7 oz)
Quick	None	½ Full(0.7 oz)
Rinse only	None	None

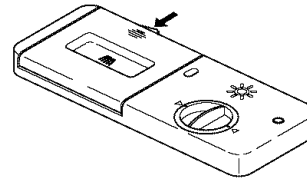
## Caution

### 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

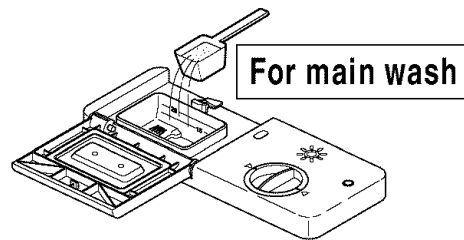
1. Push latch to open.



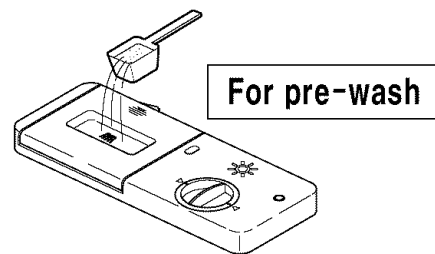
2. Add detergent to the main wash compartment. (See the table for the amount of detergent.)

### **NOTE**

*Do not add detergent for the Rinse Only cycle.*



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



4. Close the cover. (The cover will click shut.)

### **NOTE**

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

# USING YOUR DISHWASHER

## Adding Rinse Aid to dispenser

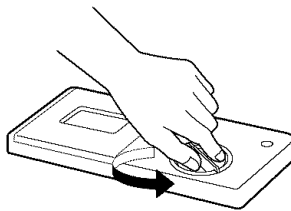
The use of rinse aid is required to prevent possible spots on dishes water droplets remaining after the completion of the wash cycle and to enhance the performance of the dry cycle.

### NOTE

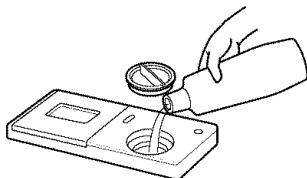
Only liquid rinse aid can be used for this dishwasher.

#### • Filling Rinse Aid

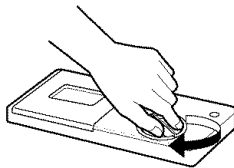
1. Rotate the round cap counterclockwise and remove it.



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



3. Replace and lock the cap.

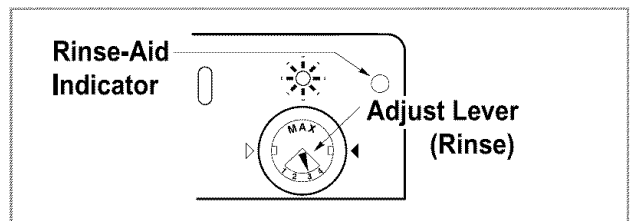


4. Rinse aid will be automatically dispensed during the final rinse cycle.

#### • Rinse Aid Amount Setting

The factory setting is at level 3, which is where you can expect the best performance under most conditions. Setting the rinse aid control to a setting that is too low will contribute to spotting and streaking of the dishes and poor drying performance. Setting the control too high can cause foaming which will cause poor wash performance or failure.

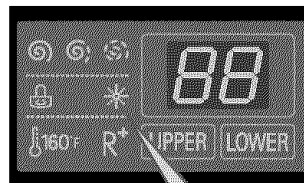
1. Remove the cap.
2. Rotate adjuster to the desired setting.




#### • Refilling Rinse Aid

4.8 oz (145ml) is the capacity of the rinse aid dispenser. How often you need to refill the rinse aid dispenser depends on your washing habits such as the number of washes per month and which rinse aid setting you use. The indicator light will inform you when the rinse aid level is low. The indicator light will stay on when you close the door to start a cycle.

### NOTE



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

# CARE & MAINTENANCE

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

**WARNING :** To prevent any possible injury during care and maintenance/cleaning, be sure to wear gloves and/or protective clothing.

## Cleaning metallic parts

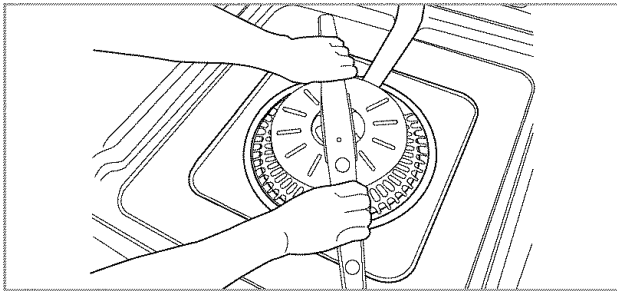
With a cloth or sponge, you can clean some parts such as exterior or interior parts.

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

## Cleaning Spray Arms

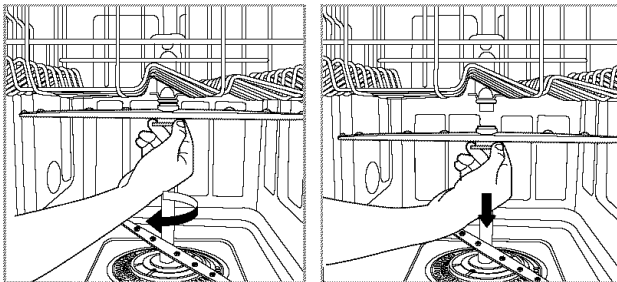
### - Lower Spray Arm

- 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 by pushing down to snap it in place. Be sure spray arm turns freely after installation.



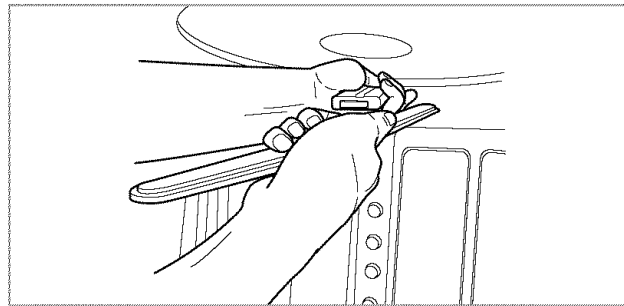
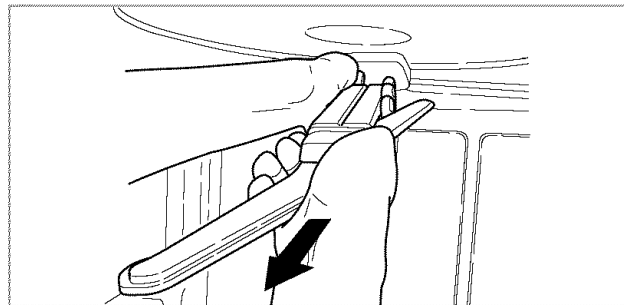
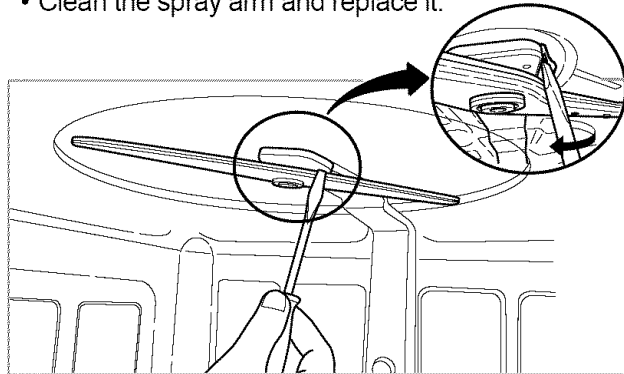
### - Upper Spray Arm

- Pull the upper rack forward. Make sure the water jet holes are not blocked by food particles.
- If cleaning becomes necessary, remove the spray arm by turning the nut on the bottom of the spray arm 1/8th turn counterclockwise and pulling down. (See illustrations below)
- Clean the spray arm and replace it in the reverse order. Make sure the nut locks back in place (1/8th turn).



### - 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.



## Seasonal Maintenance and Storage

- During the summer season, if you will be absent for extended periods of time, it is recommended that you close the water valve and unplug power cord, or shut off the circuit breaker.
- During the winter season, if there is a possibility of freezing temperatures, it is recommended that you winterize the water supply lines and the product itself.



# OPERATING SEQUENCE

## 1. Load the dishes.

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.

## 2. Turn on the dishwasher.

When ready to run a cycle, open the door and press the power button. The dishwasher defaults to the normal cycle.

## 3. Check rinse-aid.

The indicator lights will illuminate if the rinse aid level is low.

### NOTE

*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 stopped.*

## 4. Measure the detergent.

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

## 5. 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 fills only 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 stopped.

## 6. Close the door. The dishwasher starts automatically after a slight delay.

## 7. At the end of the Program.

**End** is displayed on the digital display for a few seconds and a tone will sound, signaling 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.

### Dual Intensity™ Wash Cycle

Course Selection → Press **SPRAY** key for 3 sec. → **SPRAY** selection for upper spray (Strong/Medium/soft/off) → Press **HALF LOAD** to select lower rack → **SPRAY** selection for lower spray (Strong/Medium/soft/off) → Check selection by press **HALF LOAD** → Another option → Door Closed → Start



# P PROGRAM

Cycle	WASH		RINSE				DRY	Water (gal/L)	Time (min)
	Pre-Wash	Main Wash	Rinse 1	Rinse 2	Rinse 3	Heating Rinse			
<b>Soak</b>	120°F	140~149°F				162°F		5.5~9.2/ 21~35	143~191
	49°C	60~65°C				72°C			
<b>Power Scrub</b>		131~145°F				154°F		5.5~9.2/ 21~35	123~171
		55~63°C				68°C			
<b>Normal</b>		113~140°F				149°F		2.6~6.9/ 10~26	101~135
		45~60°C				65°C			
<b>Delicate</b>		113~120°F				154°F		5.5~6.9/ 21~26	103~120
		45~50°C				68°C			
<b>Quick</b>		115°F				140°F		5.5 / 21	74
		46°C				60°C			
<b>Rinse Only</b>								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

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.
	Power supply is not connected.	Connect power supply properly.
	Fuse is blown.	Replace fuse or reset circuit breaker.
Too long operation	Unit connected to cold water.	Check water supply connection or water heater setting. (Heating cold water takes longer).
Odor	Previous cycle was stopped before complete.	Operate Quick Wash cycle with detergents without loading dishes.
Water remains after a cycle finishes	Drain hose is kinked or clogged.	Adjust hose or clear blockage.
Food Soil remains on dishes	Improper cycle selection	Select correct cycle based on dish types and soil toughness.
	Water temperature is low.	Check water supply connection or water heater setting.
	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 minimum 120°F for the best washing performance.
	Wrong detergent amount used	Use the recommended amount of detergent.
	Overloading	Load the proper amount of dishes.
	Improper loading	Rearrange dishes referring to photos on pages 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	Some level of noise is normal.	Detergent cover opening. Drain pump at the beginning of drain cycle.
	Your Dishwasher isn't level.	Adjust the installation.
	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 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	Rack is poorly adjusted.	Adjust the upper rack properly referring to page 12.
IE Error	Water inlet trouble	Check clogging of water inlet hose (or hose kink or freezing).
		Check water supply.
OE Error	Drainage trouble	Check clogging of water drain hose (or kink 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 have followed this troubleshooting guide and the problem persists, or the problem you are experiencing is not listed here, please call LGE Customer Service at 1-800-243-0000.

# WARRANTY



## LG ELECTRONICS, INC. LG Dishwasher 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): **2 Years** 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.**