

IMPORTANT SAFETY NOTICE

The information in this training manual is intended for use by persons possessing an adequate background in electrical equipment, electronic devices, and mechanical systems. In any attempt to repair a major appliance, personal injury and property damage can result. The manufacturer or seller maintains no liability for the interpretation of this information, nor can it assume any liability in conjunction with its use. When servicing this product, under no circumstances should the original design be modified or altered without permission from LG Electronics. Unauthorized modifications will not only void the warranty, but may lead to property damage or user injury. If wires, screws, clips, straps, nuts, or washers used to complete a ground path are removed for service, they must be returned to their original positions and properly fastened.

CAUTION

To avoid personal injury, disconnect the power before servicing this product. If electrical power is required for diagnosis or test purposes, disconnect the power immediately after performing the necessary checks. Also be aware that many household appliances present a weight hazard. At least two people should be involved in the installation or servicing of such devices. Failure to consider the weight of an appliance could result in physical injury.

ESD NOTICE

Some of the electronic components in appliances are electrostatic discharge (ESD) sensitive. ESD can weaken or damage the electronics in these appliances in a manner that renders them inoperative or reduces the time until their next failure. Connect an ESD wrist strap to a ground connection point or unpainted metal in the appliance. Alternatively, you can touch your finger repeatedly to a ground connection point or unpainted metal in the appliance. Before removing a replacement part from its package, touch the anti-static bag to a ground connection point or unpainted metal in the appliance. Handle the electronic control assembly by its edges only. When repackaging a failed electronic control assembly in an anti-static bag, observe these same precautions.

REGULATORY INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna; Increase the separation between the equipment and the receiver; Connect the equipment to an outlet on a different circuit than that to which the receiver is connected; or consult the dealer or an experienced radio/TV technician for help.

DISCLAIMER

The information in this training manual was accurate at the time of publication. Every effort has been made to ensure accuracy. Updates, changes, etc. are available via GCSC and LGCSacademy. The information in this manual is intended for persons with adequate backgrounds in electronics, mechanical, and electronic servicing. The manufacturer and seller are not to be held responsible for any liability incurred from its use.

COMPLIANCE

The responsible party for this device's compliance is LG Electronics Alabama, Inc.; 201 James Record Road, Huntsville, AL, 35813.

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Ver. 1.4 090827

SPECIFICATIONS

ITEM	SPECIFICATION		
Rated Voltage / Frequency	AC 120V / 60Hz		
Installation	Built-In		
Place Settings	14		
Product Dimension(in)	23 3/4" x 24 5/8" x 33 1/2"		
Product Weight(lbs)	114 lbs		
Door Color	White, Black, Stainless		
Tub Material	Stainless Steel		
Control	Electronic		
Rated Power(Watt)	1,350		
Heater Power(Watt)	1,200		
Programs	6		
Upper Rack Position	Adjustable		
Lower Rack	50% Fold down		
Water Consumption (Normal Cycle)	10 ~ 26 liters	10.6 ~ 27.5 quarts	2.6 ~ 6.9 gallons
Power Consumption (kWh/year)	285-310		
Operating Time (min)	97-124 (Normal)		
Fan Dry System	Yes		
Delay Start Function	Yes		
Auto-Off Power Switch	Yes		
Process Monitor	Yes		
Wash Level	5		
Racks	Nylon Coating		
Operating Water Pressure (Bar)	20-120 (140 - 830 kPa)		

WARRANTY

**LG ELECTRONICS, INC.
DISHWASHER LIMITED WARRANTY — USA**



Should your LG Dishwasher prove to be defective in material or workmanship under normal use during the warranty period listed below, effective from the date of original consumer purchase of the product, LG Electronics will replace the defective part(s). Replacement parts will meet intended fit and function of the original part. Replacement parts are warranted for the unexpired portion of the original warranty period. This limited warranty is good only to the original purchaser of the product and effective only when used in the United States of America.

WARRANTY PERIOD:	
For the Period of:	LG Will Replace:
One year from date of original purchase	Any part of the Dishwasher which fails due to a defect in materials or workmanship. During this full one-year warranty , LGE will also provide, free of charge , all labor and on-site service to replace the defective part.
Two years from date of original purchase	Any part of the dishwasher (except as listed below) which fails due to a defect in materials or workmanship. During this two-year parts warranty , you will be responsible for any labor or on-site service costs.
Five years from date of original purchase	Electronic control board and dishwasher rack which fails due to a defect in materials or workmanship. During this five-year parts warranty , you will be responsible for any labor or on-site service costs.
Limited Lifetime	Stainless steel door liner and tub (as long as owned by the original purchaser) which fails due to a defect in materials or workmanship. During this limited lifetime parts warranty , you will be responsible for any labor or on-site service costs.

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.

No other warranty is applicable to this product. 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 and/or territories 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, the original purchaser, specific legal rights and you may also have other rights that vary from state to state or territory to territory.

THIS LIMITED WARRANTY DOES NOT APPLY TO:

1. Service calls to your home for delivery or pick-up, installation, instruction, replacement of house fuses, connection of house wiring or plumbing, or to correct unauthorized repairs.
 2. Failure of product to perform during power failures and interruptions or inadequate electrical service.
 3. Damage caused by transportation or handling.
 4. Damage caused to the product by accident, vermin, lightning, winds, fire, floods, or acts of God.
 5. Damages caused by leaky or broken water pipes, frozen water pipes, restricted drain lines, or inadequate or interrupted water supply.
 6. Damages caused by inadequate supply of air.
 7. Damages caused by operating the product in a corrosive atmosphere.
 8. Repairs when your LG product is used in other than normal, single-family household use or contrary to the instructions described in the product User's Guide.
 9. Damage resulting from accident, alteration, misuse, abuse, or improper installation, repair, or maintenance. Improper repair includes the use of parts not approved or specified by LG.
 10. Normal maintenance as described in the User's Guide, such as cleaning or replacing filters, cleaning coils, etc.
 11. Use of accessories or components that are not compatible with this product.
 12. Products with altered or removed serial numbers.
 13. Changes in the appearance of the product that do not affect product performance.
 14. Increases in utility costs and additional utility expenses.
- The cost of repair or replacement under these excluded circumstances shall be borne by the consumer.**

Product Registration Information

Model Number: _____
 Serial Number: _____
 You can find these numbers on a label on the side of the air conditioner.
 Date of Purchase: _____
 Dealer's Name: _____

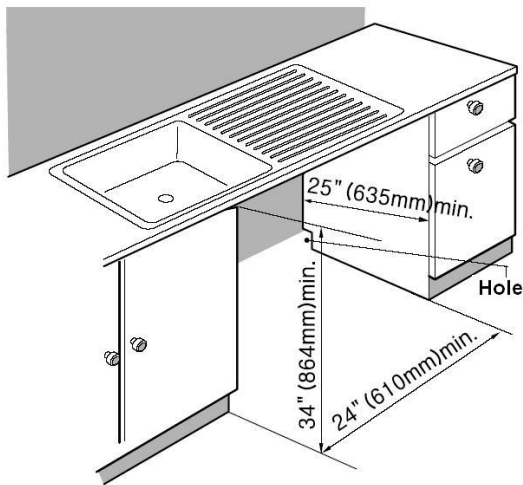
TO CONTACT LG ELECTRONICS BY MAIL:

LG Customer Interactive Center
 P. O. Box 240007
 201 James Record Road
 Huntsville, Alabama 35813
 ATTN: CIC

INSTALLATION

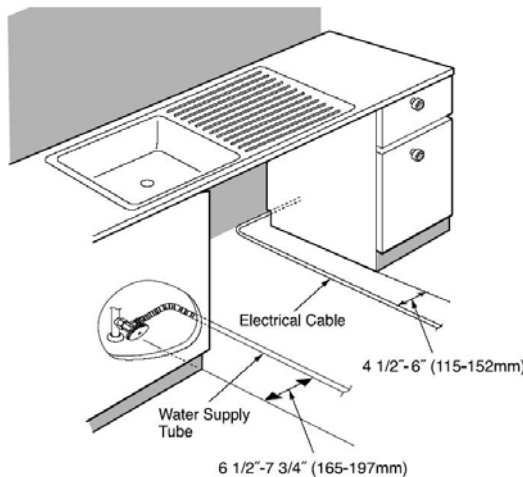
Installation is covered briefly for the servicer who may need to uninstall and reinstall the dishwasher for repairs. For new installations, please refer to the installation guide that was supplied with the dishwasher.

- We recommend a location as close to the sink as possible (but not directly under it) for easy connection to water and drain lines.
- The installation must be within 10' (3 m) of the sink for proper drainage.
- If the dishwasher is installed in a corner (next to an adjacent wall), there must be 2" (50 mm) clearance.
- The floor under the dishwasher should be at the same level as the rest of the room so the dishwasher can slide in and out easily for service.



Drill a 1½" hole on either side to allow for the drain hose, water supply hose, and electrical cable. The opening must be in an area within 4" (100 mm) of the back wall and 4" (100 mm) of the floor.

If there is a floor in the cabinet under the sink, it will be necessary to cut through it to connect the water, drain, and electrical cable under the sink.



The dishwasher must be supplied with 120 V_{AC}, 60 Hz, 1Ø current as indicated on the rating plate and connected to a properly fused and grounded dedicated 20-amp circuit.

The wire or water supply can be fed from either side, or both from the same side, depending upon source location.

They must be run in the channels under the dishwasher, as shown in the drawing.

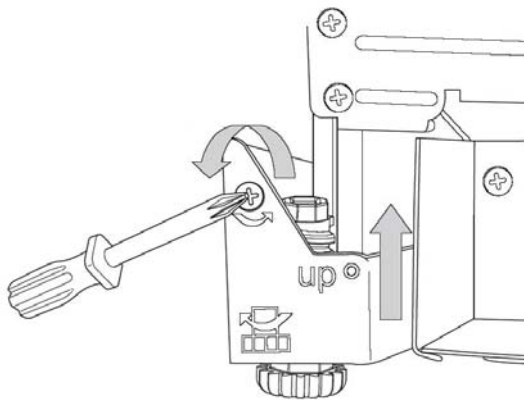
ELECTRICAL SUPPLY PREPARATION

The dishwasher can be hardwired if necessary and if permitted by local code. We recommend the use of a dishwasher installation kit, available at most hardware and home supply stores. This kit includes a cordset, a flexible water supply line, and the elbow connector necessary to connect it. Using a cordset requires an electric outlet under the sink accessible when the dishwasher is installed. The cordset makes it easier to disconnect the dishwasher from power while working on it and makes removal and replacement easier. As stated earlier, installation requires a properly fused and grounded dedicated circuit.

WATER SUPPLY PREPARATION

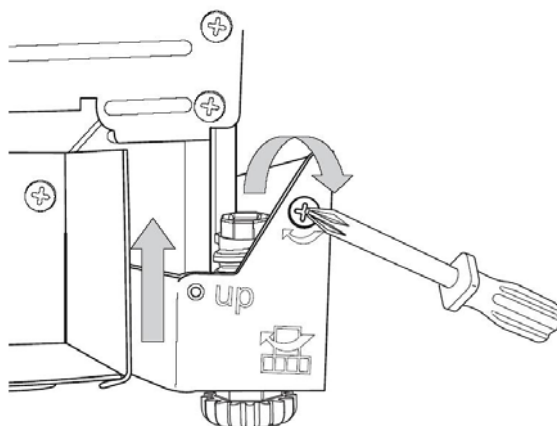
The dishwasher may be connected to either hot or cold water. If the hot water can not be maintained below 149° F, the dishwasher must be connected to the cold water supply. Lay out the water supply line as indicated on page 6 of this training manual. Use sealing tape or joint compound to avoid leaks.

INSTALLATION



After sliding the dishwasher into position, adjust the leveling legs.

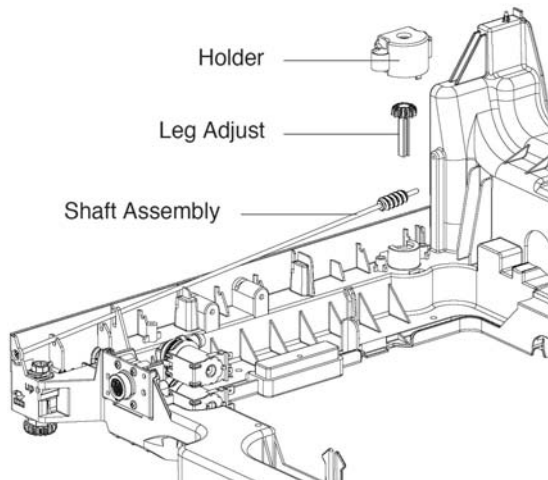
The left rear leg can be raised or lowered by turning the adjusting screw with a Phillips screwdriver. (This is slightly easier when the dishwasher is tipped forward very slightly, just enough to take the weight off the rear leg.)



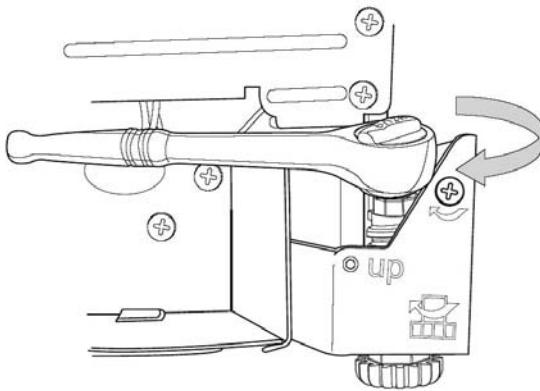
The right rear leg is adjusted in the same manner.

(See exploded view, next page.)

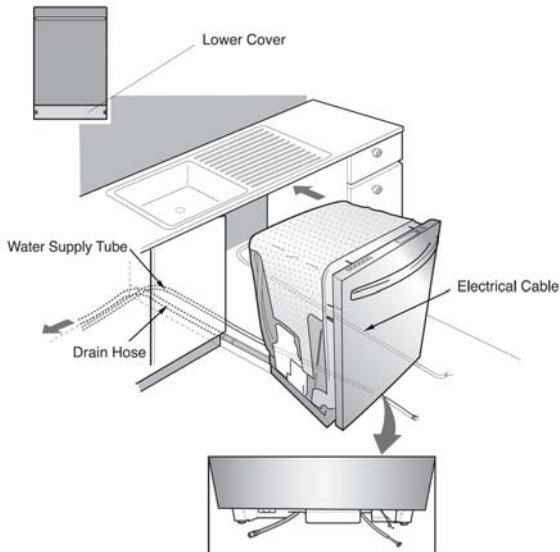
INSTALLATION, continued



Exploded view of the left rear leg adjuster assembly. (Right rear similar.)



The front legs can be adjusted by using a 1/4" drive wrench, as shown.



To complete the installation:

Remove the lower cover.

Make sure the legs are adjusted and the dishwasher is level.

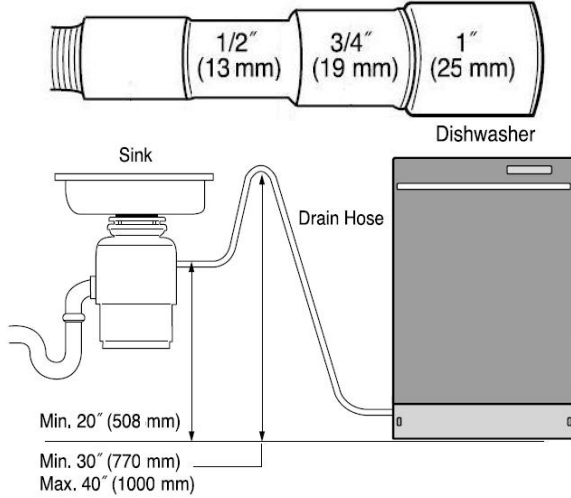
Lay out the electrical cable, water supply tube, and drain hose as shown.

Slide the dishwasher carefully back into place.

Make the appropriate connections, as directed below.

DRAIN CONNECTION

The drain hose must be connected in a manner that meets local plumbing codes. If the end of the drain hose does not fit the available connector, an adapter may be obtained from a local hardware or plumbing supplier.

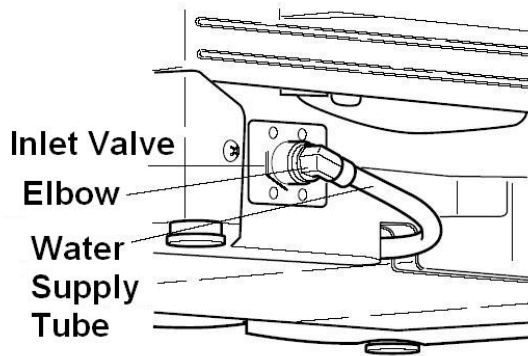


The rubber end can be cut off for the correct size attachment.

This drawing shows the drain line installed with a rise in the drain pipe but no air gap. It can also be with an air gap installed. Be sure to observe the clearances listed.

Most garbage disposers have a dishwasher drain fitting built in to them. If your installation does not include a disposer, you can use a special tailpiece with a drain attachment available at most hardware and home supply stores.

WATER CONNECTION



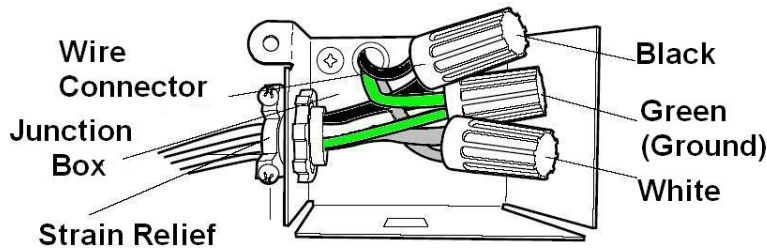
Turn off the water supply and connect the elbow to the inlet valve.

Connect the flexible supply tube to the elbow.

Use sealing tape to make all connections.

Make sure the supply line is not kinked.

ELECTRICAL CONNECTION

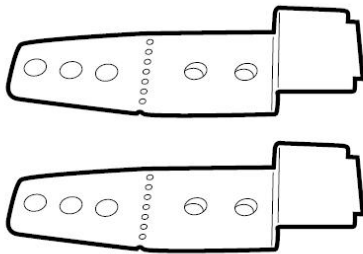


Use wire connectors and replace the cover on the junction box. (12/2 w/ ground, 20-amps)

FINAL INSTALLATION

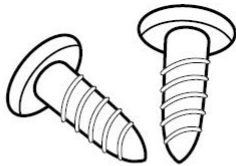
1. Turn on the water at the valve under the sink.
2. Turn on the power at the fuse or breaker (or plug in the cordset at the outlet under the sink).
3. Run the dishwasher through one QUICK cycle to check the operation and to check for water leaks.
4. Replace the lower cover.

When the door is closed, the top edge with the controls should be under the countertop.



Use the installation brackets to attach the top of the dishwasher to the bottom of the countertop, if necessary.

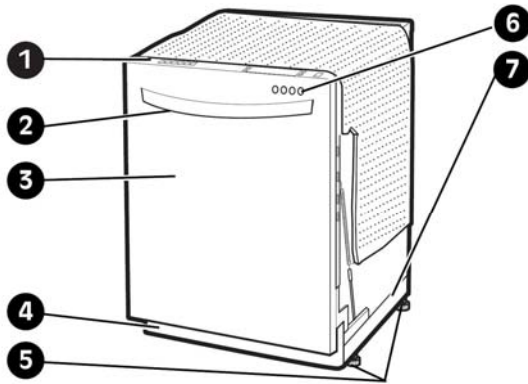
INSTALL BRACKET



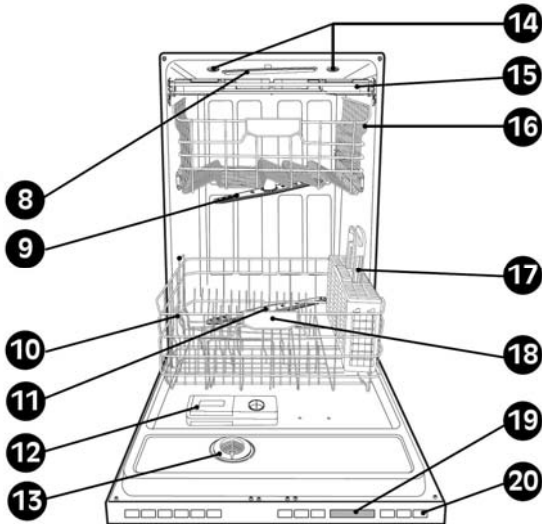
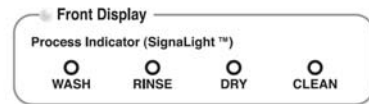
Insert a wood screw into the cabinet through the hole provided in the side of the dishwasher. Be sure to remove the plastic covers first.

WOOD SCREW

FEATURES and PARTS

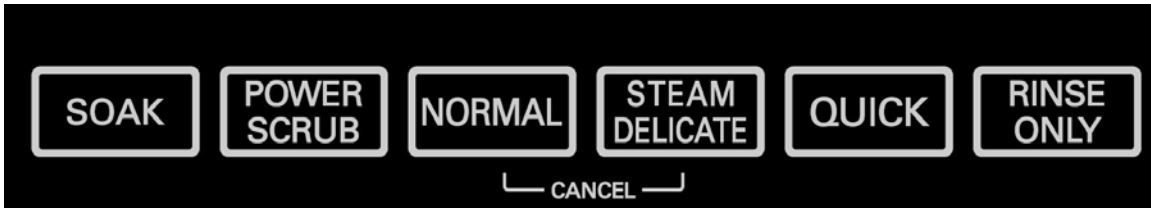


- 1 CONTROL PANEL
- 2 DOOR HANDLE
- 3 FRONT COVER
- 4 LOWER COVER
- 5 LEVELING FEET
- 6 FRONT DISPLAY (Signalight™)



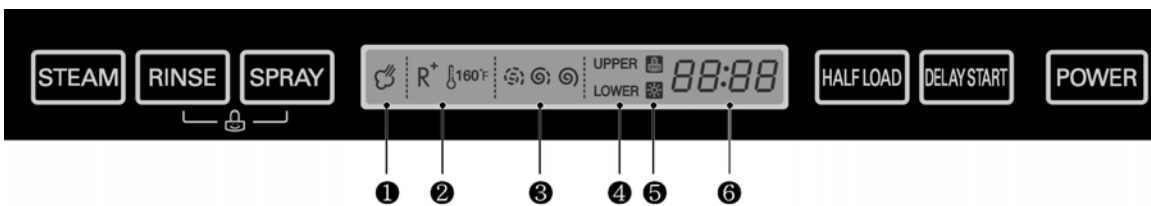
- 7 BASE
- 8 TOP SPRAY ARM
- 9 UPPER SPRAY ARM
- 10 STEAM NOZZLE
- 11 LOWER SPRAY ARM
- 12 DETERGENT AND RINSE AID DISPENSER
- 13 DRYING VENT COVER
- 14 TUB LAMP (Illumitub™)
- 15 CUTLERY RACK
- 16 UPPER RACK
- 17 SILVERWARE BASKET
- 18 LOWER RACK
- 19 TOP DISPLAY
- 20 POWER BUTTON

CONTROL PANEL



SOAK	Heavily soiled loads, with cooked-on foods
POWER SCRUB	Normal soil level, everyday loads
NORMAL	Normal soil level, everyday loads
STEAM DELICATE	Washing delicate items, crystal, stemware
QUICK	Light soil level, recently used dishes and cutlery
RINSE ONLY	Rinses only, no washing

OPTIONS



STEAM	Adds steam to SOAK, POWER SCRUB, and Normal cycles
RINSE	Press to select Sanitary, Extra Rinse, or both
SPRAY	Press to cycle through Strong, Medium, or Soft spray
HALF LOAD	Press to select either upper or lower rack instead of both
DELAY START	Each press delays the start by one hour up to 24 hours
CHILD LOCK	Press and hold both buttons to engage or disengage
CANCEL	Press and hold STEAM DELICATE and NORMAL

INDICATORS

①		Steam option indicator – blinks if selected
②		Rinse indicator – blinks if selected
③		Spray indicator – blinks if selected
④		Half load indicator
⑤		Child Lock – illuminated when engaged
		Rinse Aid – illuminated when refill is required
⑥		Time remaining before cycle ends

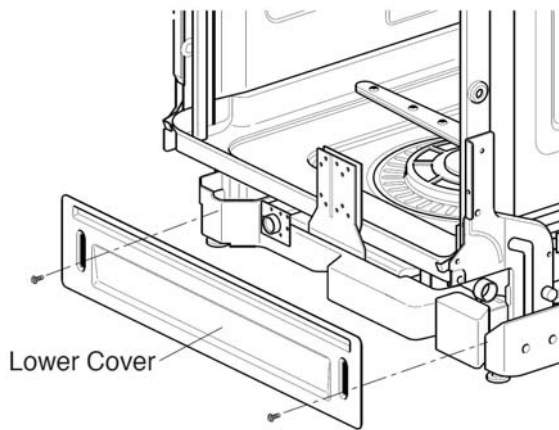
DISASSEMBLY

The following pages will detail the disassembly and reassembly of the dishwasher during the normal course of diagnosis and repair.

Turn off the electric power at the source (or unplug it if your dishwasher is installed using a plug and cordset.)

Pull the dishwasher out from under the counter and turn off the water.

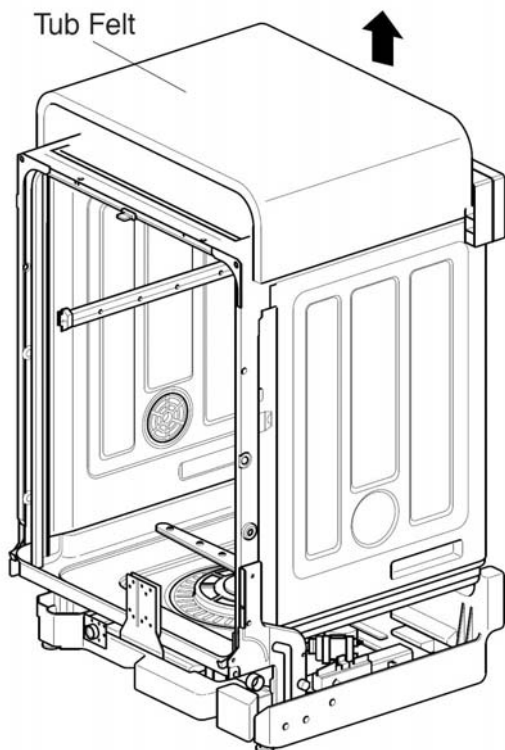
TUB ASSEMBLY, LOWER COVER, and INSULATION



Remove the two screws that hold the lower cover (kick plate) in place.

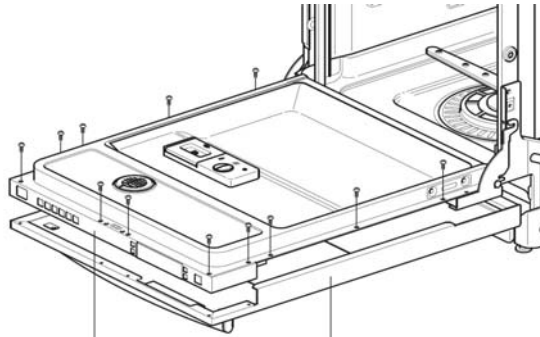
Disconnect the water inlet hose at the elbow.

Disconnect the electrical supply at the junction box if the dishwasher is hardwired. (Unnecessary if the dishwasher is installed using a plug and cordset.)



Lift the insulation blanket off the tub of the dishwasher and preserve it for replacement at the completion of repairs.

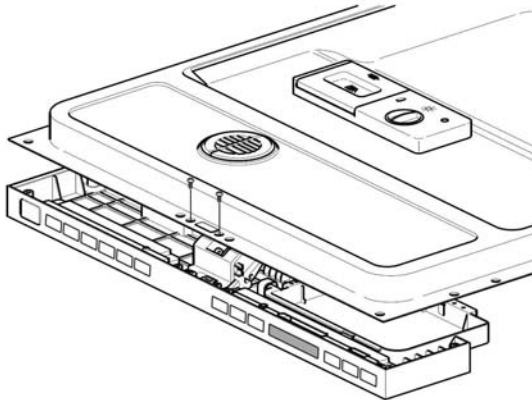
DOOR ASSEMBLY



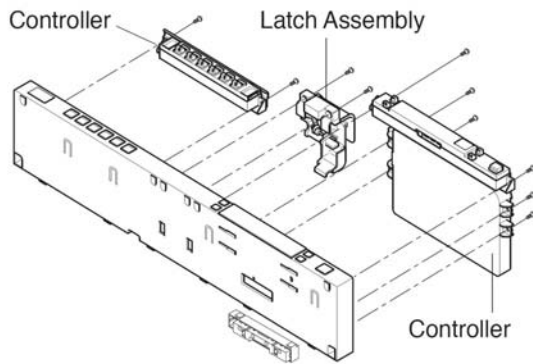
Control Panel Front Cover

Open the door and fold it down.

Remove the screws (12) from the perimeter of the door. The cover will drop, so have a blanket or pad on the floor to prevent damage to it.

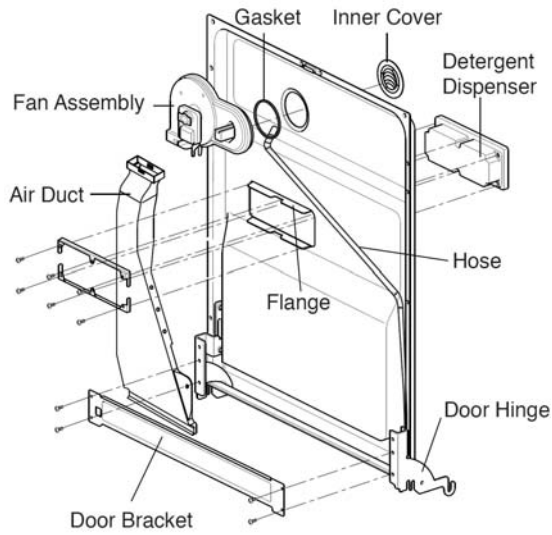


Remove the screws (2) at the latchhook. This will release the control panel and latch assemblies.



At this point, the control boards, latch assembly, and main board can be removed for repair or replacement.

FAN ASSEMBLY



With the door disassembled as described on the previous page, remove the screws (4) securing the door bracket.

Remove the ground screw and ground wire.

Remove the wire connections for the fan and for the detergent dispenser.

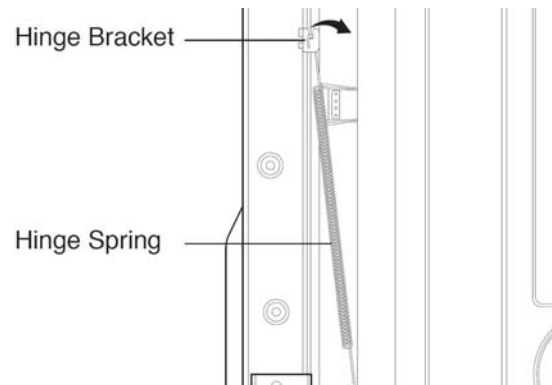
Remove the air duct. Turn the inner cover counterclockwise to remove it.

Close the door.

Remove the screws (6) and brackets (2) securing the dispenser.

Pry the dispenser out using a screwdriver.

DOOR SPRING



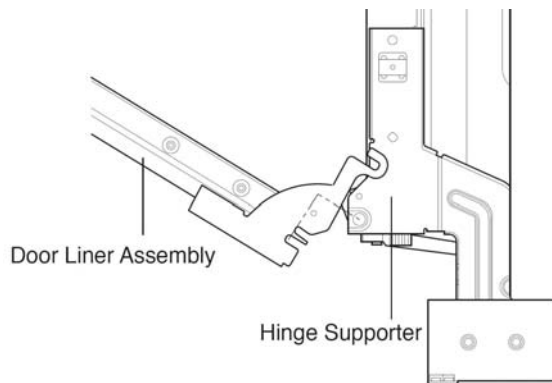
Close the door.

Lift the spring end upward and off the hinge bracket.

Watch for sharp edges on the door and tub.

Do not let the hinge spring release uncontrolled.

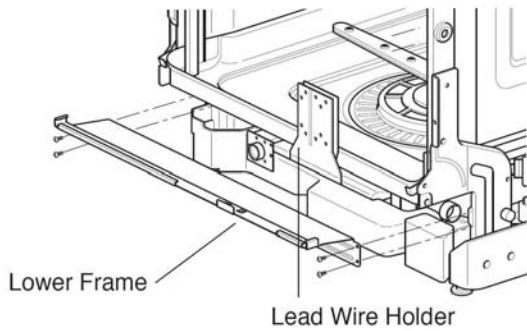
DOOR LINER



Open the door.

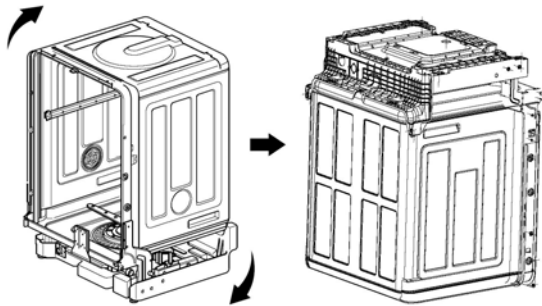
Lift the door liner and remove it from the hinge supporter.

LOWER FRAME



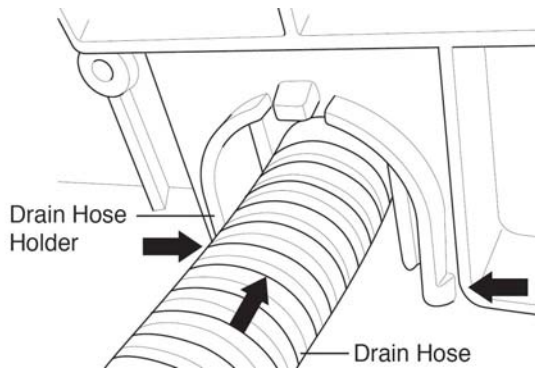
Remove the screws (4) to remove the lower frame member.

TURN THE DISHWASHER OVER



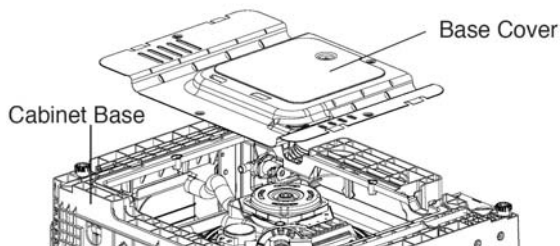
While some technicians like to turn the dishwasher over (180°) to work on it, many find it is much easier simply to pull it out from under the counter and lean it back. This eliminates the mess caused by spillage when inverting the dishwasher.

DRAIN HOSE HOLDER



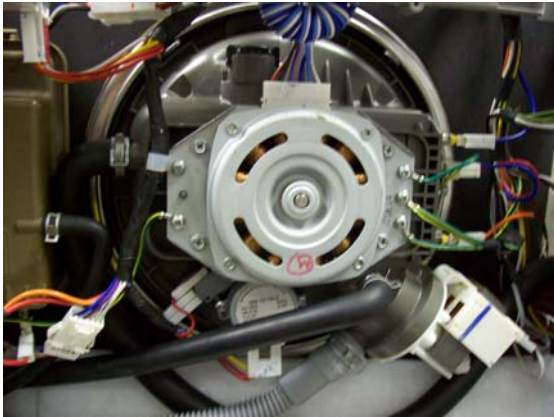
The drain hose snaps into place in its holder where it exits the base of the dishwasher. You won't need to remove this hose from its holder unless you are replacing the entire hose.

BASE COVER



Remove the screws (2) and remove the base cover. It may require flexing the cover slightly to get all the tabs from under their brackets.

SUMP WIRING HARNESS and HOSES



Remove all wiring connections.

Check carefully for ground wire connections (screw and ring connector.)

Remove all hose connections.

Remove the sump holder rings (2) and screws.

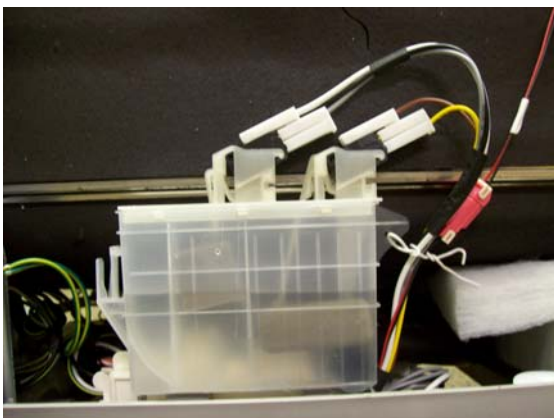
Use a new gasket if you remove or replace the sump assembly.

NOISE FILTER



The noise filter is attached to the inside of the base on the right side of the dishwasher by one screw. Remove the screw; then, pry the noise filter from its clips in the base.

FLOAT SWITCHES

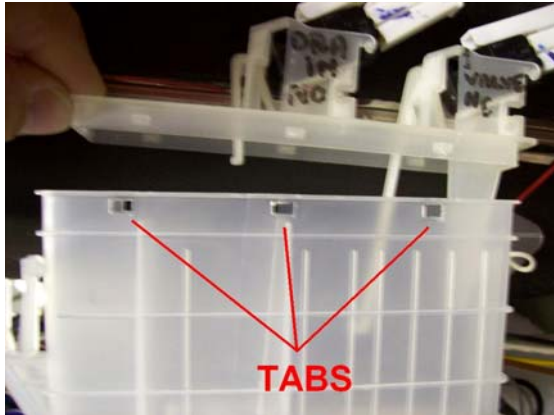


The float switches are on the right side of the dishwasher just above the base.

Remove the wiring connectors before detaching the float switch assembly,

It is a good idea to mark the switches to be sure they are reconnected correctly.

FLOAT SWITCH ASSEMBLY



The float switches can be removed without removing the assembly from the dishwasher. This allows replacement of the electrical switches and / or the part that holds the switches.

Press the tabs with a driver and lift the top of the switch assembly away from the body.

BASE ASSEMBLY



Remove the screws (8) that secure the base to the dishwasher.

All the wiring connections and hoses should have been removed already. Remember, the hoses stay with the sump at this point.

STEAM GENERATOR



The steam generator is mounted on the left side of the dishwasher.

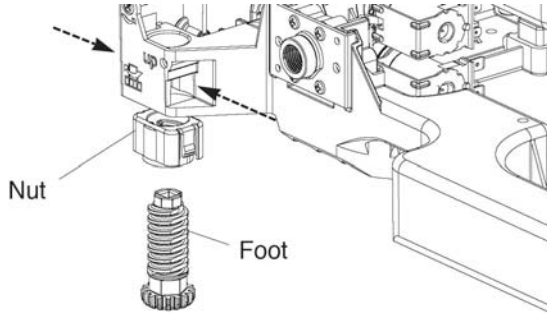
Disconnect the wiring to the thermistor, the low water sensor, and the high water sensor.

Remove the hose clamps. There are two; one for the input and one to deliver steam to the tub.

Remove the screws (2) and lift the steam generator out of the base.

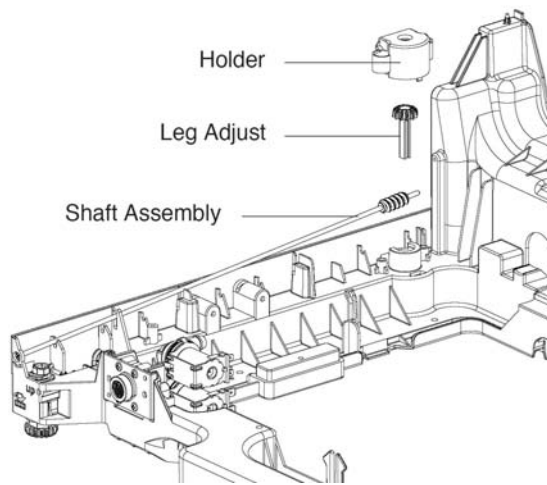
Be careful, in case the water in it is HOT!

FRONT LEG ADJUSTMENT



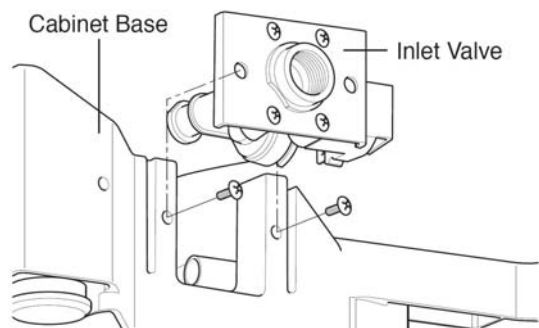
The front adjustment legs can be turned by pliers or a screwdriver at the bottom, or by a 1/4" drive ratchet from above.

REAR LEG ADJUSTMENT



The rear legs can be adjusted by using a Phillips screwdriver to turn the adjustment shaft which raises or lowers the rear leg. (See pages 7 and 8.)

INLET VALVE



The inlet valve is an electromechanical double valve that controls water input to the dishwasher.

Remove the screws (2) that hold the valve to the base of the dishwasher.

Release the clamps (2) that secure the hoses to the valve.

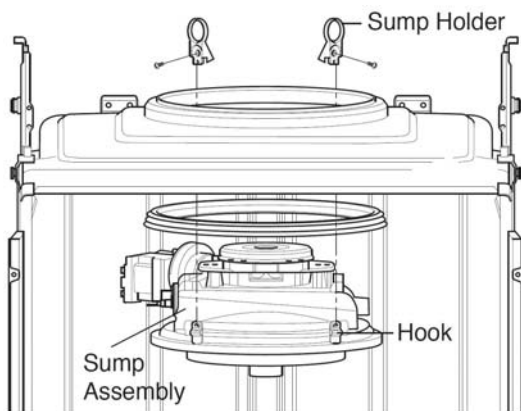
AIR BREAKER ASSEMBLY



Release the clamps (3) that secure the hoses to the air breaker.

Inside the tub, turn the air breaker vent counterclockwise. Be careful to avoid damaging the O-ring seal.

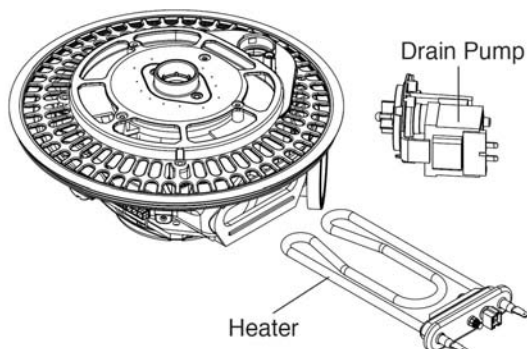
SUMP ASSEMBLY



(NOTE: The dishwasher is turned upside-down in this drawing.)

After all the wires and hoses are disconnected from the sump, remove the screws and sump holders (2), being careful **the sump does not fall into the tub** and cause damage.

If the dishwasher is not turned upside-down, but tipped up and leaned back, you can lift the sump out through the tub.



Remove the outer nut and ground wire from the heater. Then loosen the inner nut to the end of the shaft to release the heater.

Remove the screws (3) securing the drain pump to the sump assembly.

SUMP ASSEMBLY, continued

Remove two screws to remove the vario motor. It can be removed and replaced without further disassembly of the sump, even with the sump in place.

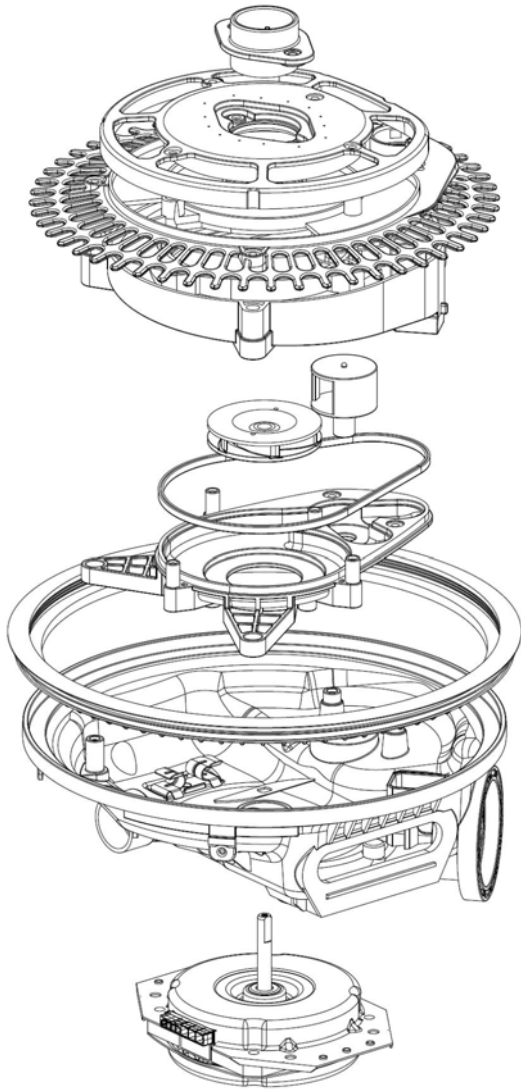


The turbidity sensor is mounted in the side of the sump. It is held in place with two clips which must be pried loose. It can be removed and replaced without further disassembly of the sump, even with the sump in place.



The turbidity sensor is installed with an O-ring that prevents leakage. It is a tight fit, and must be correctly in place to avoid a leak.

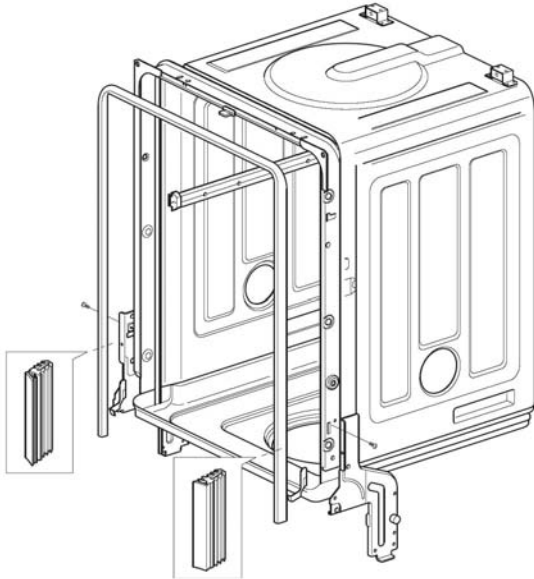
SUMP ASSEMBLY, continued



Exploded View Of Sump Assembly

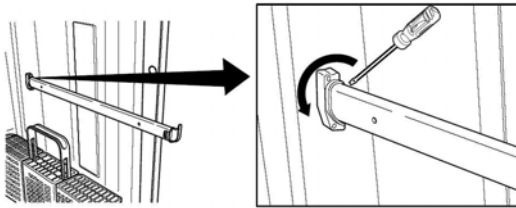
When repairing and reassembling the sump assembly, **LG** recommends replacing the gaskets in it rather than trying to re-use the old ones.

HINGE SUPPORTER AND DOOR GASKET



The door gasket and hinge support pieces must be in place to prevent any leakage. They can be slipped into place easily.

RACK SUPPORT RAILS



The rails that support the center and top racks can sometimes be removed by prying the plastic clip off the tub wall.

Insert a screwdriver tip and rotate it away from the tub at the top of the clip.

Usually, the plastic end pieces are broken, so LG recommends having replacements available. (Location # F117. See exploded view, page 41.)

CYCLE CHART

CYCLE	Wash		Rinse			Dry	*Water Usage	**Cycle Time	Spray Intensity
	Prewash	Main Wash	Rinse 1	Rinse 2	Heated Rinse				
Power Scrub	●	131°–145°F 55°–63°C ●	●	●	154°F 68°C ●	●	5.5–9.2 gal. 21–35 L	122–176 Min.	Strong
Normal	●	95°–140°F 35°–60°C ●	●		149°–153°F 65°–67°C ●	●	2.6–6.9 gal. 10–26 L	97–124 Min.	Medium
Dual Intensity	●	154°F 68°C ●	●		149°F 65°C ●	●	5.5–6.9 gal. 21–26 L	138 Min.	Upper(Soft) Lower(Strong)
Quick Wash	●	115°F 46°C ●	●		140°F 60°C ●	●	5.5 gal. 21 L	78 Min.	Medium
Steam Delicate	●	113°F 45°C ●	●		154°F 68°C ●	●	5.5–6.9 gal. 21–26 L	107 Min.	Soft
Steam Fresh					131°F 55°C ●	●	1.2–1.5 gal. 4.5–5.5 L	49 Min.	Medium
Rinse Only			●				1.3 gal. 5 L	15 Min.	Medium

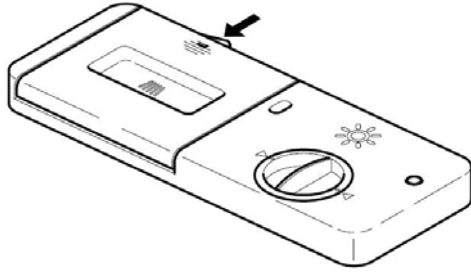
DUAL INTENSITY SPRAY WASH

The spray intensity for the upper lower racks is programmable by the customer. By selecting **SOFT SPRAY** for the upper rack and **STRONG SPRAY** for the lower rack, you can wash delicate items like stemware on top while washing pots and pans on the bottom.

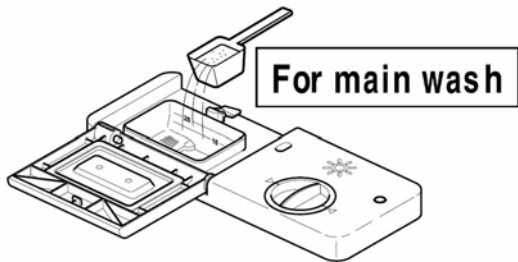
1. Press and hold **SPRAY** to illuminate the indicator.
2. Press **SPRAY** to set the intensity for the upper rack. (Strong/Medium/Soft/Off)
3. Press **HALF LOAD** to confirm the selection for the upper rack.
4. Press **SPRAY** to set the intensity for the lower rack.
5. Press **HALF LOAD** to confirm the selection for the lower rack.
6. Select other options.
7. Close the door.
8. The dishwasher will start.

ADDING DETERGENT

Detergent must be added to the dispenser before the start of every cycle except RINSE ONLY. The detergent chamber holds 1.4 oz. (40 g) when full, but that is invariably too much detergent. Fill it no more than ¾ full. If the dishes are only moderately dirty, it might be possible to use even less detergent.

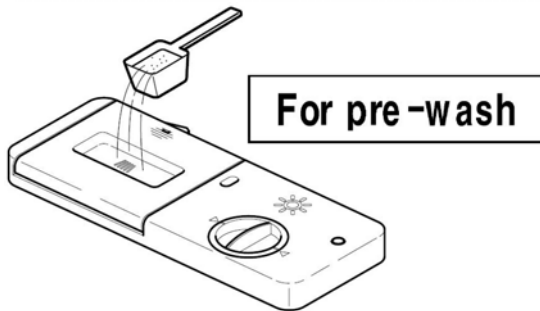


Press the latch button to open the detergent chamber.



Add detergent in the proper amount. (See chart, below.)

Close the cover and be sure the latch clicks.

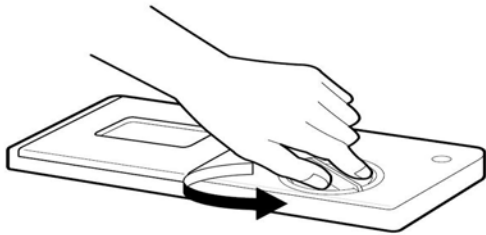


If pre-wash cycle is selected (in **SOAK** or **POWER SCRUB** only), add the appropriate amount of pre-wash detergent in the recess on the door cover. When you close the dishwasher door, the detergent will fall into the tub.

NOTE: Too much detergent will leave a film on the dishes.

CYCLE	Amount of Detergent	
Soak	Full (0.35 oz.)	¾ full (1.05 oz.)
Power Scrub	Full (0.35 oz.)	¾ full (1.05 oz.)
Normal	None	½ full (0.7 oz.)
Steam Delicate	None	½ full (0.7 oz.)
Quick	None	¼ full (0.3 oz.)
Rinse Only	None	½ full (0.7 oz.)

ADDING RINSE AID

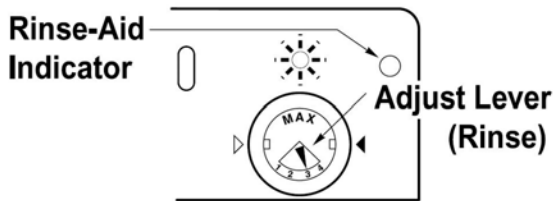


Turn the round cap counterclockwise and remove it.



Fill the reservoir. It holds 4.8 oz. (145 ml)

Replace the cap and lock it.

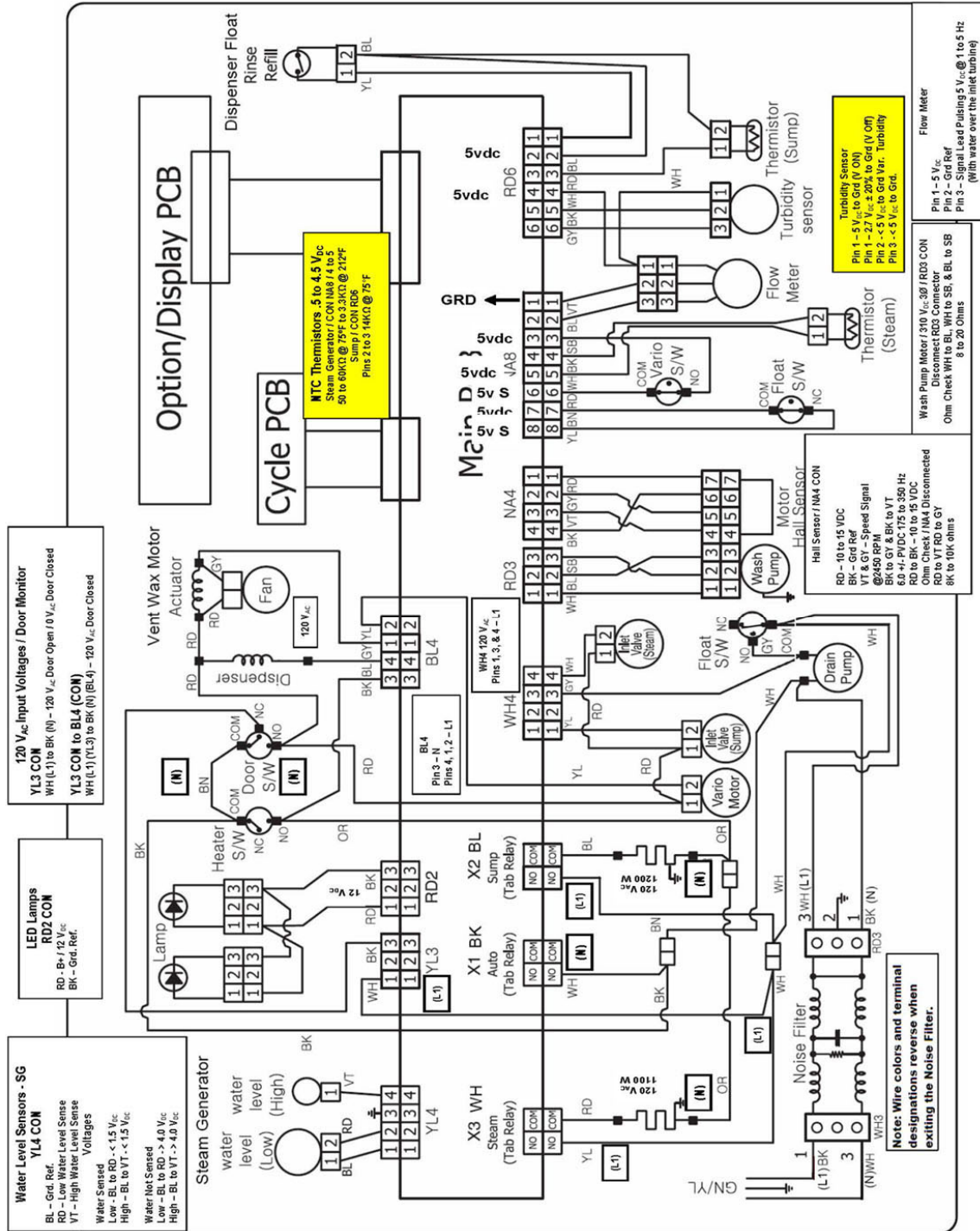


Adjust the rinse-aid setting as necessary.




The factory setting for rinse aid dispensing is **3**. Too little rinse aid contributes to spotting, streaking, and poor drying performance. Too much rinse aid causes foaming, which leads to poor washing performance.



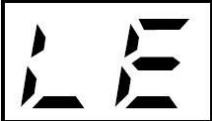

How often you refill the dispenser depends upon your washing habits, including the rinse aid setting, the number of loads per month you wash, and other factors. The indicator light will illuminate at the start of a load when the level is low.

WIRING DIAGRAM



ERROR CODES and TROUBLESHOOTING

ERROR CODE	POSSIBLE CAUSE	RESOLUTION
	Water valve is closed. Water to house is off. Inlet hose is kinked. Water pressure is low (>10 psi)	Remedy water supply issue.
INLET ERROR	Inlet valve is defective.	Measure resistance of inlet valve (1,125 Ω ± 15%)
Water supply insufficient even after 10 minutes' time.	Inlet valve filter is clogged.	Clean the inlet valve filter.
	Hall sensor (Hall sensor, Loc. # F022, p. 41) has failed.	Check inlet water frequency in Test Mode (Page 37); replace sensor if defective.
	Impeller is bound.	Replace air breaker assembly.
	Drain hose is kinked or blocked. Wire connection failure.	Resolve kink or blockage. Check connection for tightness or corrosion. Measure resistance of drain pump motor. (30 Ω ± 10 Ω)
DRAIN ERROR	Sump drain outlet is blocked.	Clean sump assembly and unstop.
Not completely drained after 5 minutes' pump operation time.	Drain pump circuit faulty.	Repair wiring or replace drain pump motor.
		Water leakage in hose connections. Damage from water leakage.
LEAKAGE ERROR	Motor shaft seal leakage.	Replace sump (M007, p. 45) or sump assembly (M006, p. 41).
Excessive motor speed from water damage and leakage.	Height of drain hose > 20".	Repair according to installation instructions.
	Wash pump impeller damaged or worn.	Replace pump.

ERROR CODE	POSSIBLE CAUSE	RESOLUTION
	Inlet valve is defective. Main board is defective.	Replace inlet valve. Replace main board.
FLOW ERROR		
Excess water		
	Inlet water over temperature (higher than 194° F / 90° C).	Check the wash temperature in Test Mode. (Page 37.)
THERMAL ERROR		
Thermistor or related wiring defective.	Wiring or thermistor defective.	Check input water temperature and adjust of over 120° F. Check wiring to thermistor. Check resistance of thermistor (11 ~ 14 kΩ @ 77° F / 25° C.) Replace main board.
	Wiring or connection failure. Wash pump motor is locked.	Check wiring and connections. Check pump motor and for restrictions.
LOCK ERROR		
Motor malfunction.	Wash motor rotor is locked. Disposer blade is locked. Magnet(s) in motor cracked.	Replace motor. Remove restriction. Replace motor.
	Heater circuit is defective. Thermistor is defective.	Repair heater circuit. Replace thermistor.
HEATER ERROR		
Water not heated or heated to incorrect temperature.	Heater element is defective. Relay circuit is defective.	Replace heater element. Replace main board.

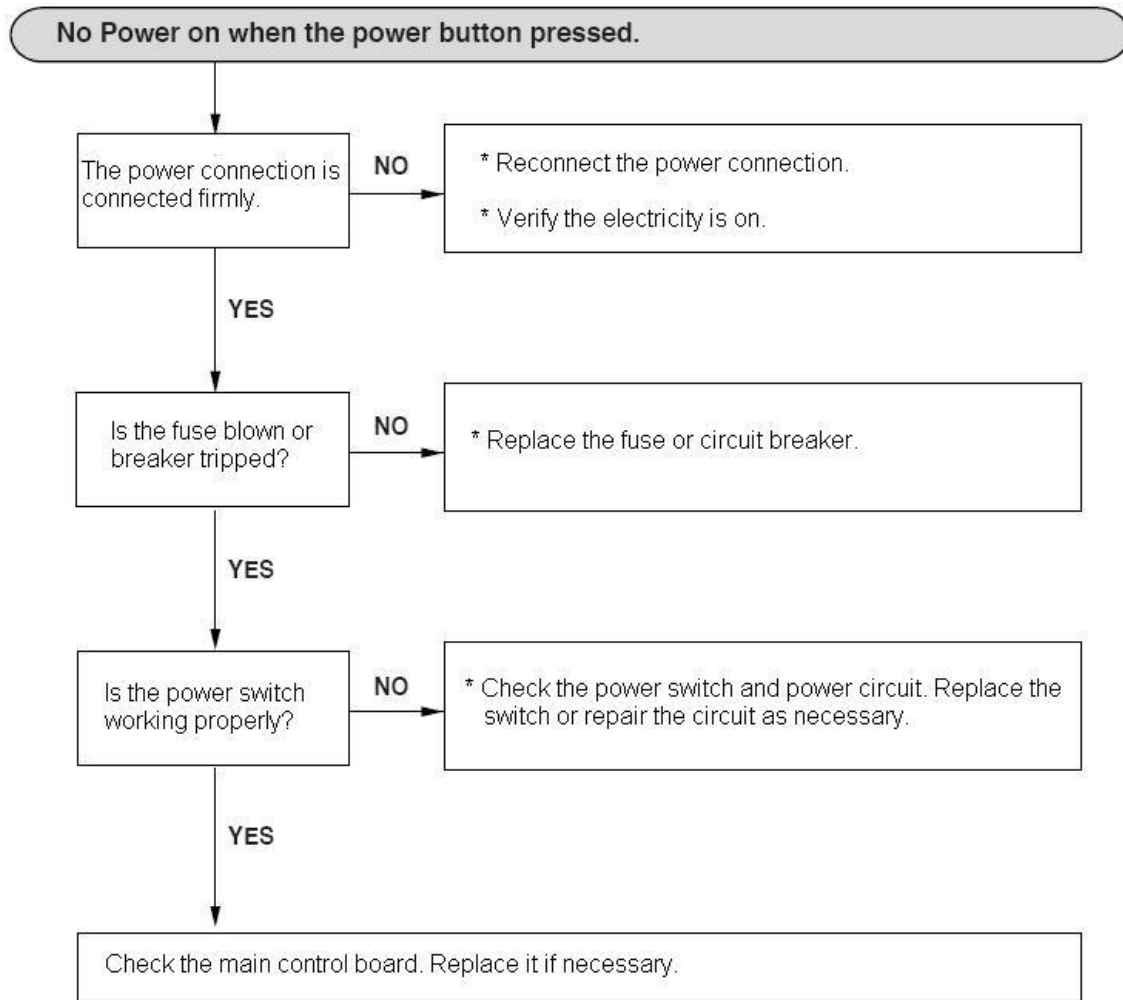
TROUBLESHOOTING

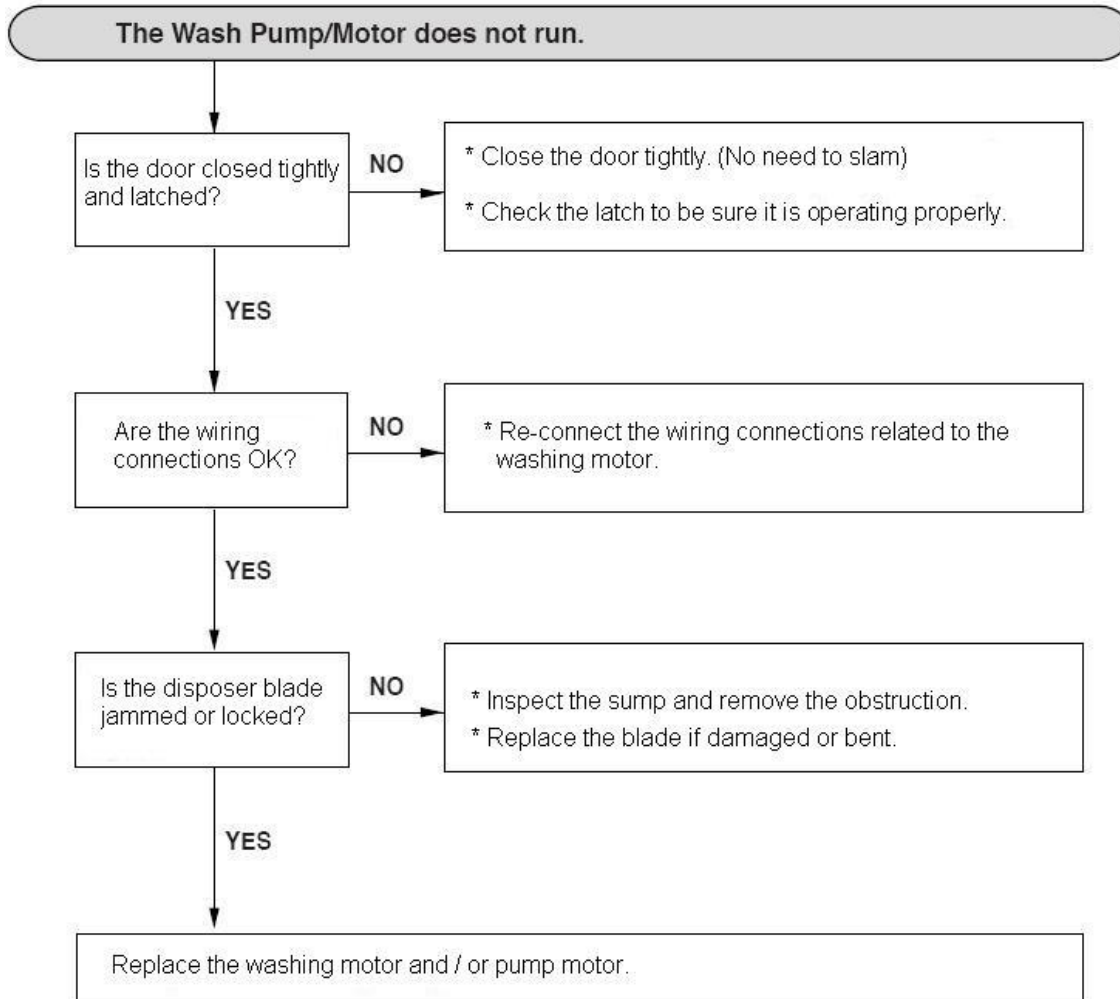
Problem	Possible Causes	Solutions
Dishwasher does not operate	Door is not completely closed.	Make sure the door is completely closed and latched.
	Power supply or power cord is not connected.	Connect the power supply or cord properly.
	Fuse is blown or circuit breaker tripped.	Replace fuse or reset circuit breaker.
Dishwasher operates too long	Unit is connected to cold water.	Check the water supply connection or water heater setting. (Heating cold water takes longer.)
Odor	Previous cycle was stopped before completion.	Operate the Quick Wash cycle with detergent without loading any dishes.
Water remains in tub after completion of cycle	Drain hose is kinked or clogged.	Adjust hose or clear blockage.
Food soil remains on dishes	Improper cycle selection.	Select correct cycle based on soil level and type of dishware being washed.
	Water temperature is too low.	Check water supply connection or water heater setting.
	Dishwashing detergent was not used.	Use recommended detergent.
	Low inlet water pressure.	Water pressure should be between 20 and 120 psi.
	Water jet holes on spray arms blocked.	Clean the spray arms.
Spots and filming on dishes	Improper loading of dishes.	Make sure dishes do not block spray arm rotation or interfere with detergent dispenser.
	Low water temperature.	Water supply should be at least 120°F for best wash performance.
	Wrong amount of detergent used.	Use the recommended amount of detergent.
	Overloading.	Load the proper amount of dishes.
	Improper loading.	See the Using Your Dishwasher section.
	Insufficient water pressure.	Adjust water pressure to between 20 and 120 psi.
	Insufficient detergent.	Add the recommended amount of detergent. See Using Your Dishwasher section.
Rinse aid dispenser empty.	Refill rinse aid dispenser.	
Noise	Extremely hard water.	Install a home water softener.
	Some level of noise is normal during operation.	Detergent cover opening. Drain pump at the beginning of drain cycle.
	The dishwasher is not level.	Adjust the leveling feet.
	Nozzle arm knocking against dishes.	Reposition the dishes.

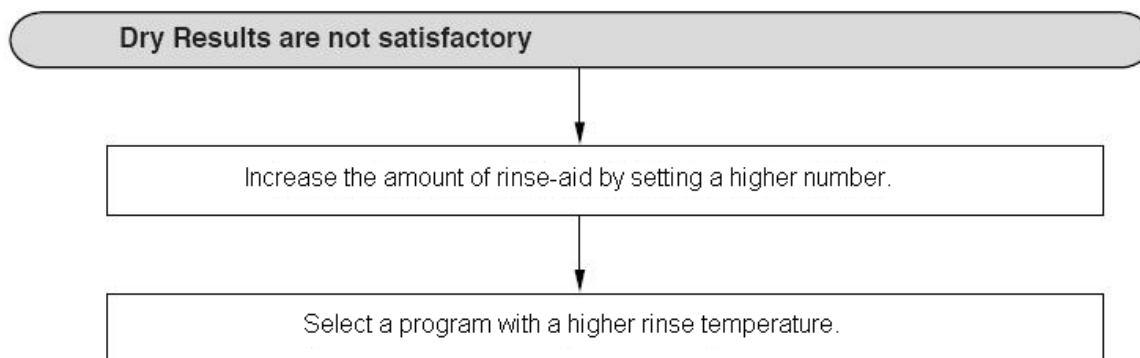
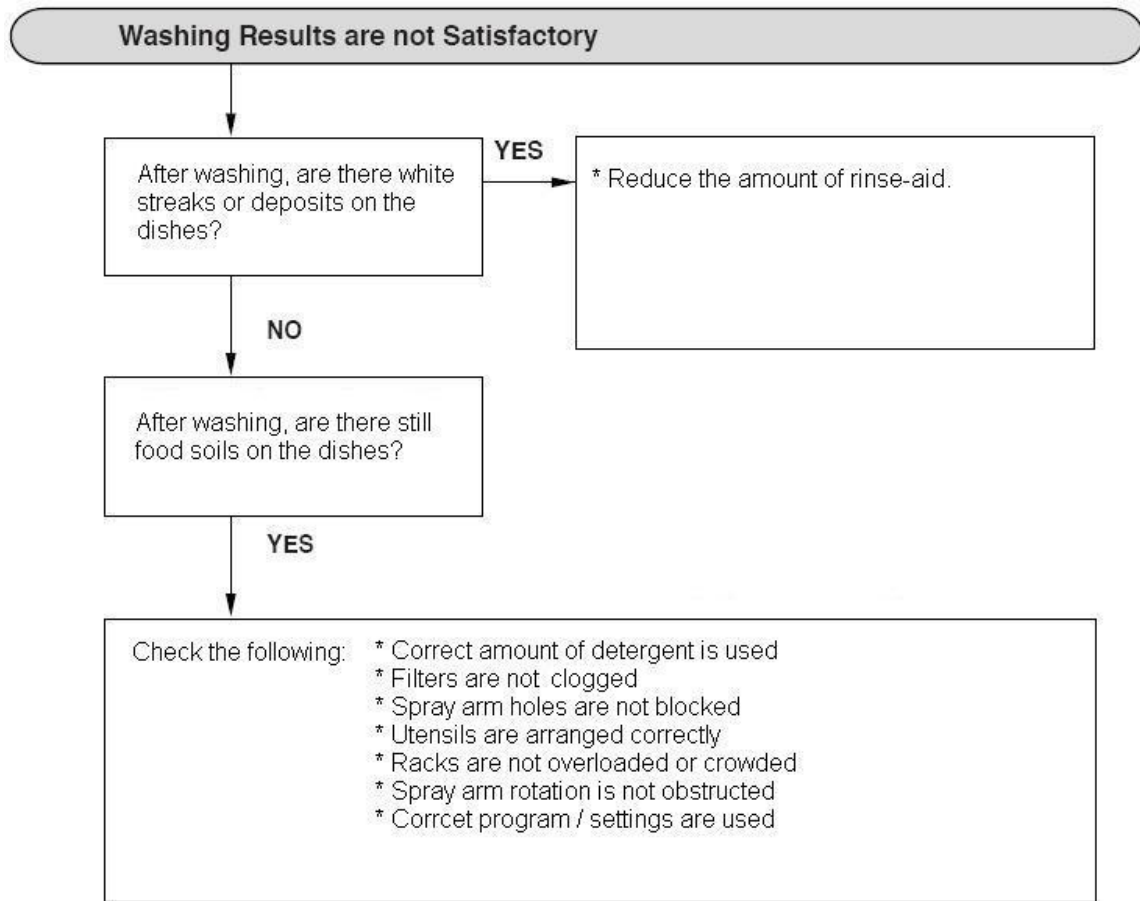
TROUBLESHOOTING, continued

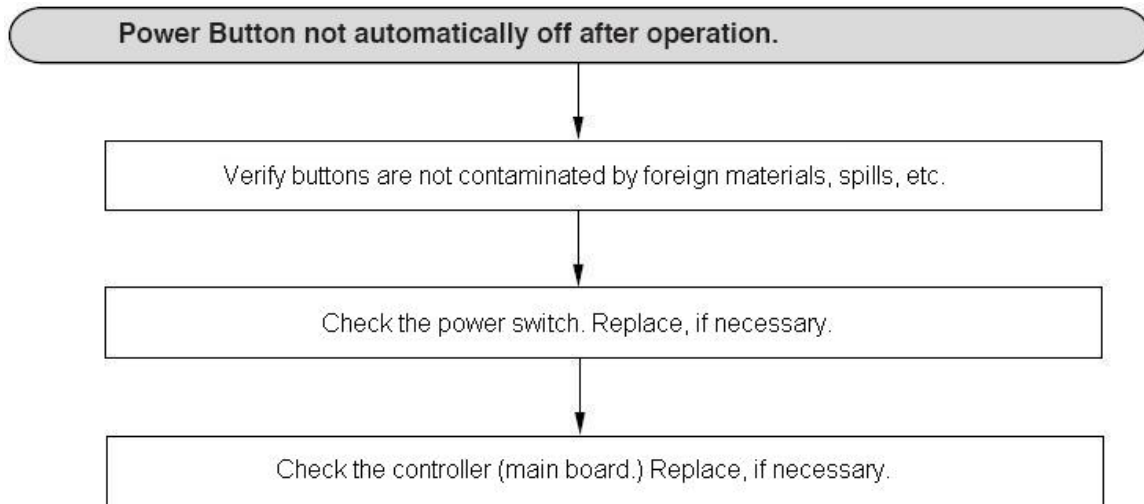
Problem	Possible Causes	Solutions
Cloudiness on glassware	Combination of excessive detergent and soft water.	Use less detergent and use a rinse aid to minimize the problem.
Black or gray marks on dishes	Aluminum items rubbing dishes during cycle.	Reposition the dishes.
Yellow or brown film on inside surfaces of dishwasher	Coffee or tea stains.	Eliminate the stain by using a stain removal product.
Dishes don't dry	Rinse agent dispenser empty.	Check and refill the rinse agent dispenser if empty.
Lamps don't illuminate	Power is not connected.	Connect power supply.
	Fuse is blown or circuit breaker tripped.	Replace fuse or reset circuit breaker.
Sprays arms do not rotate smoothly	Holes of spray arms are blocked by food particles.	Clean the holes of spray arms.
Upper rack crooked	Rack is poorly adjusted.	See Using Your Dishwasher section.
IE Error	Water inlet problem.	Check for clogged, kinked or frozen water inlet hose. Check water supply.
OE Error	Drainage problem.	Check for clogged, kinked, or frozen drain hose.
FE Error	Excessive water supplied.	Repair as indicated in this manual.
E1 Error	Water leakage problem.	
HE Error	Heater circuit failure.	
TE Error	Thermistor failure or very high inlet water temperature (over 194°F).	
The display shows PF	The dishwasher experienced a power failure.	This is not an error. The dishwasher will restart automatically after 10 seconds.

DIAGNOSIS and REPAIR









TEST MODE

Test Mode is used to check various components of the dishwasher determine a failure before disassembly and repair are begun. Press **STEAM** and **RINSE** and **POWER** simultaneously to enter the test mode. Then, push the indicated button to test the desired component. See chart, below.

BUTTON	The number of pushing button	Top Display	Load and Checking points		Door open/ closed	Remark
			Load	LED lighting		
STEAM+RINSE+ POWER Buttonn	1 TIME	0n:3H/ 0U:00		All LEDs are lighting	Either	
POWER SCRUB	1 TIME	00:00		All LEDs are lighting	Either	
NORMAL	1 TIME	11:11		All LEDs are lighting	Either	
DUAL INTENSITY	1 TIME	22:22		All LEDs are lighting	Either	
QUICK WASH	1 TIME	33:33		All LEDs are lighting	Either	
STEAM DELICATE	1 TIME	44:44		All LEDs are lighting	Either	
STEAM FRESH	1 TIME	55:55		All LEDs are lighting	Either	
STEAM	1 TIME	66:66		All LEDs are lighting	Either	
RINSE	1 TIME	77:77		All LEDs are lighting	Either	
SPRAY	1 TIME	88:88		All LEDs are lighting	Either	
HALF LOAD	1 TIME	99:99		All LEDs are lighting	Either	
DELAY START	1 TIME	Steam generator Temp(°C)	Steam generator Thermistor	All LEDs	Either	
	2 TIME	0n:H1	Steam generator Heater (for 1.2 sec)	All LEDs	Closed	
	3 TIME	0n:33	Drain Pump	All LEDs	Either	See Test 3
	4 TIME	Frequency ①	Inlet Valve	All LEDs	Closed	See Test 4
	5 TIME	0n:35	Dispenser	All LEDs	Closed	See Test 5
	6 TIME	0n:36	Sump Heater (for 10 sec)	All LEDs	Closed	See Test 6
	7 TIME	0n:37	Fan Motor	All LEDs	Closed	See Test 7
	8 TIME	0n:38		All LEDs	Closed	
	9 TIME	Sump Temp(°C)	Sump Thermistor	All LEDs	Either	
	10 TIME	Soil level ②	Soil sensor	All LEDs	Either	See Test 1
	11 TIME	0n:3b/Motor RPM	Wash Pump	All LEDs	Closed	
	12 TIME	Steam generator Water level ③	Water level	All LEDs	Either	
	13 TIME	0n:3d	Lower Nozzle (Vario)	All LEDs	Closed	See Test 8
	14 TIME	0n:3E	Upper Nozzle (Vario)	All LEDs	Closed	See Test 8
	15 TIME	0n:3F (RPM,Frequency)	W/Pump+Vario+ Heater (for 1min)	All LEDs	Closed	
	16 TIME		Auto-Off		Closed	

① Normal water level frequency is 270 ~ 275.

② Pure water – greater than 130.

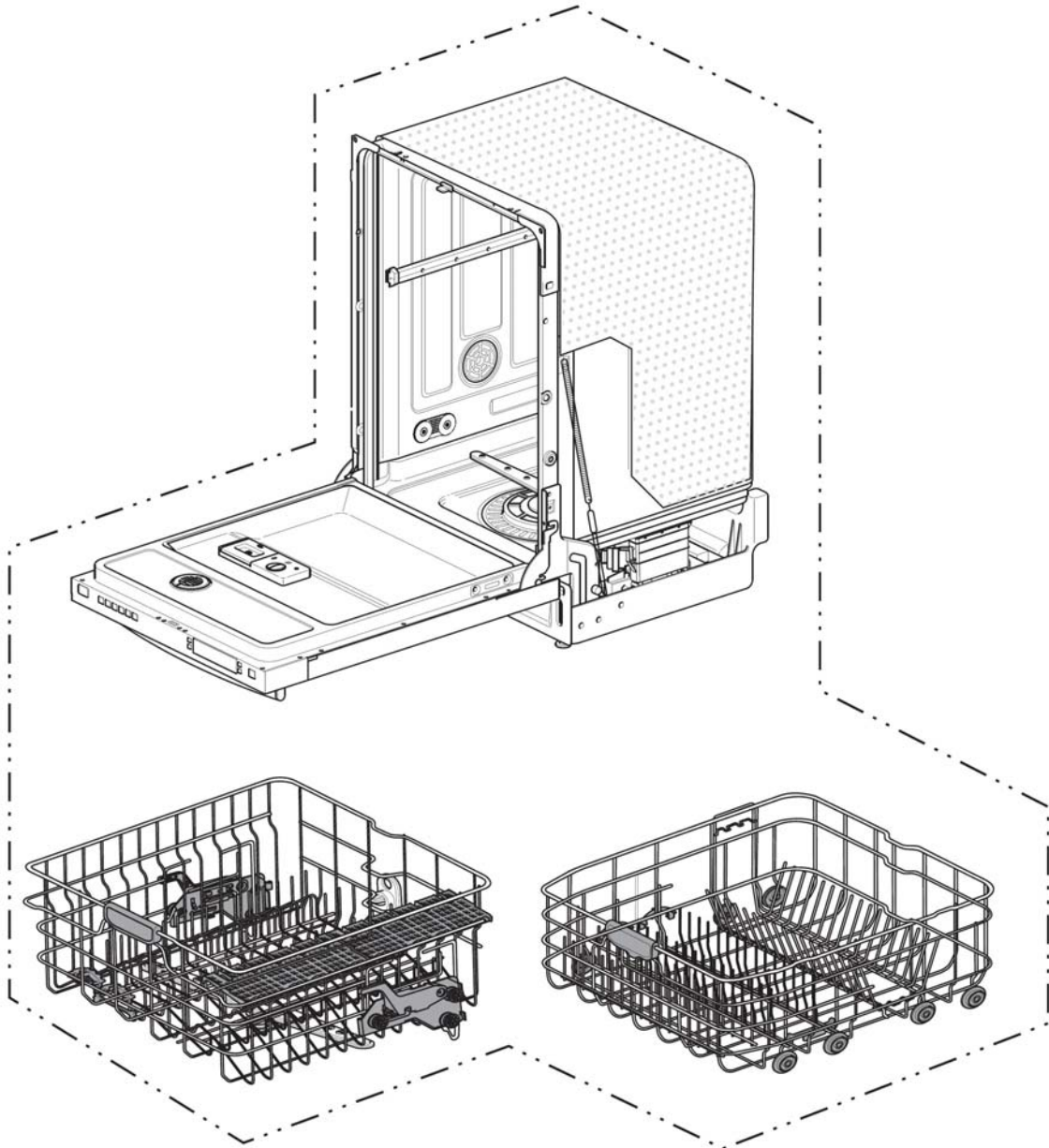
③ Steam generator water level: H = High water level, L = Low water level.

STEAM GENERATOR TEST MODE

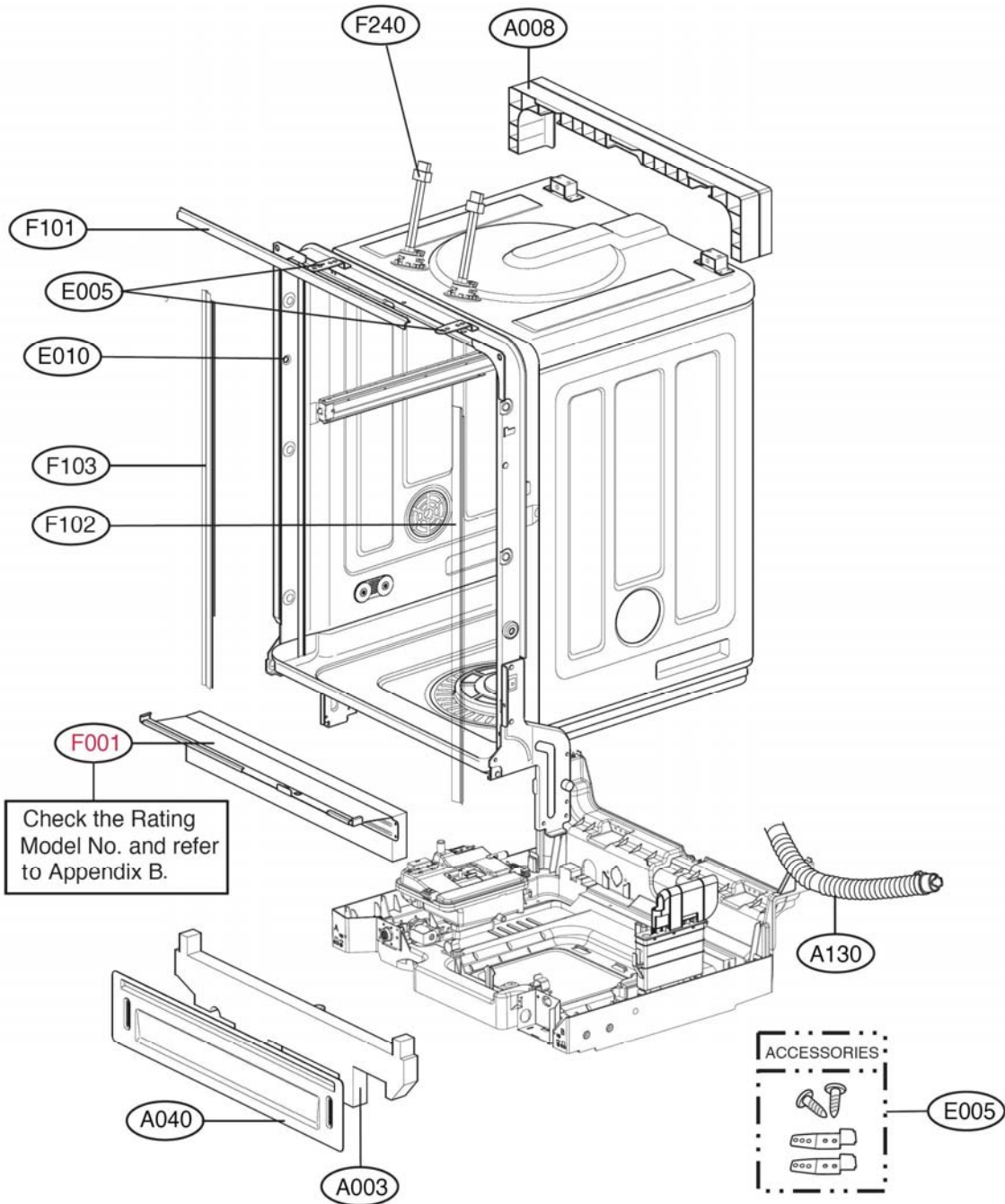
To enter the Steam Generator Test Mode, press **POWER** and **STEAM** simultaneously. The error code(s) will display on the LED. If the steam generator is defective, the dishwasher will operate its selected cycle, but without steam.

ERROR CODE	CAUSE	SOLUTION
00 : E0	Normal	
00 : E1	Steam generator temperature is too high. (greater than 239° F / 115° C)	Check water level sensors. Check thermistor.
00 : E2	Water level sensor failure.	Check wiring and connections to sensor(s). Replace sensor(s).
00 : E3	Water level too low.	Check wiring and connections to sensor(s). Check inlet valve.
00 : E4	Steam generator temperature is too low. (less than 158° F / 70° C)	Check heater. Check thermistor.
00 : E5	Normal	

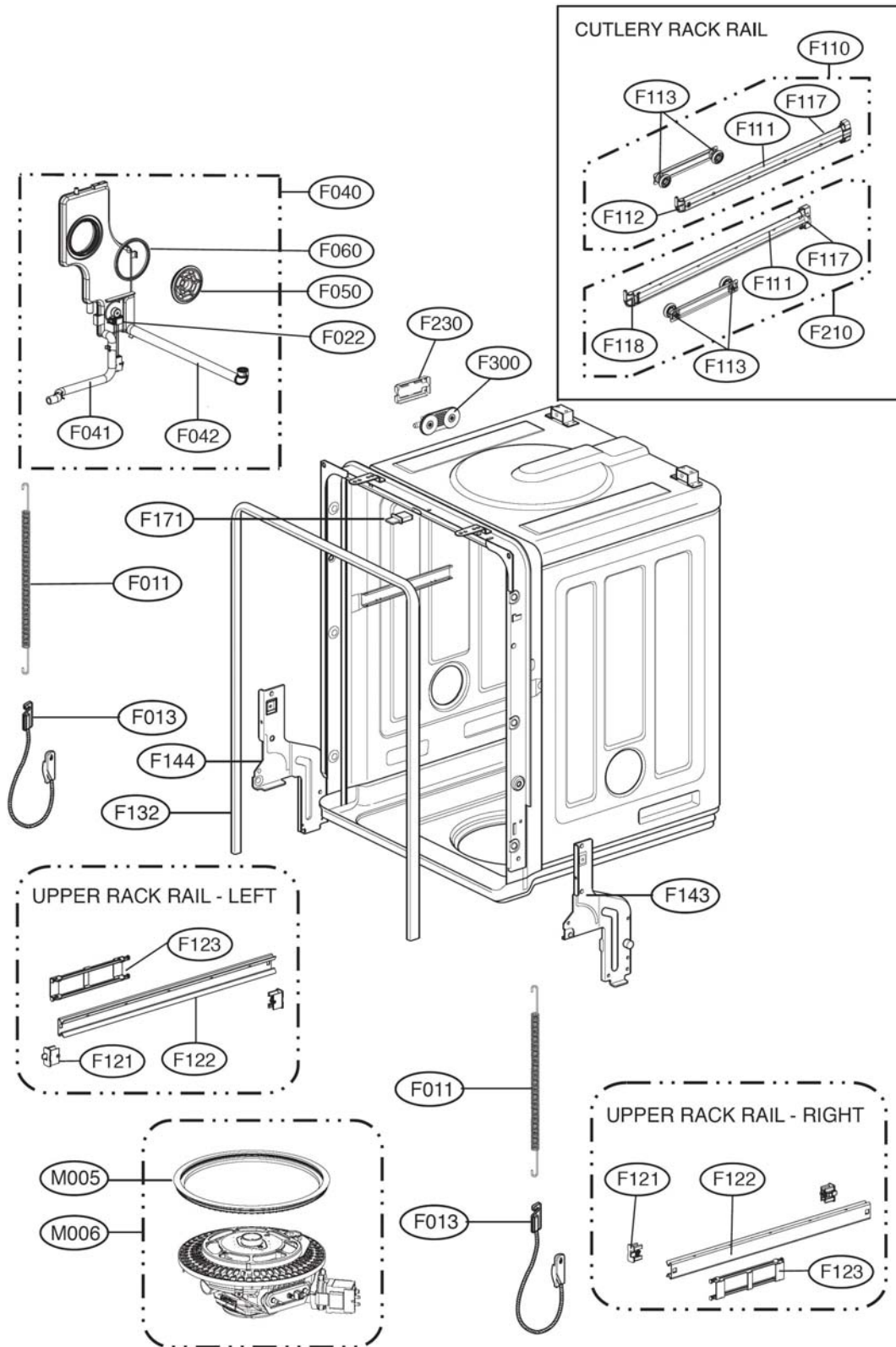
EXPLODED VIEW



EXPLODED VIEW

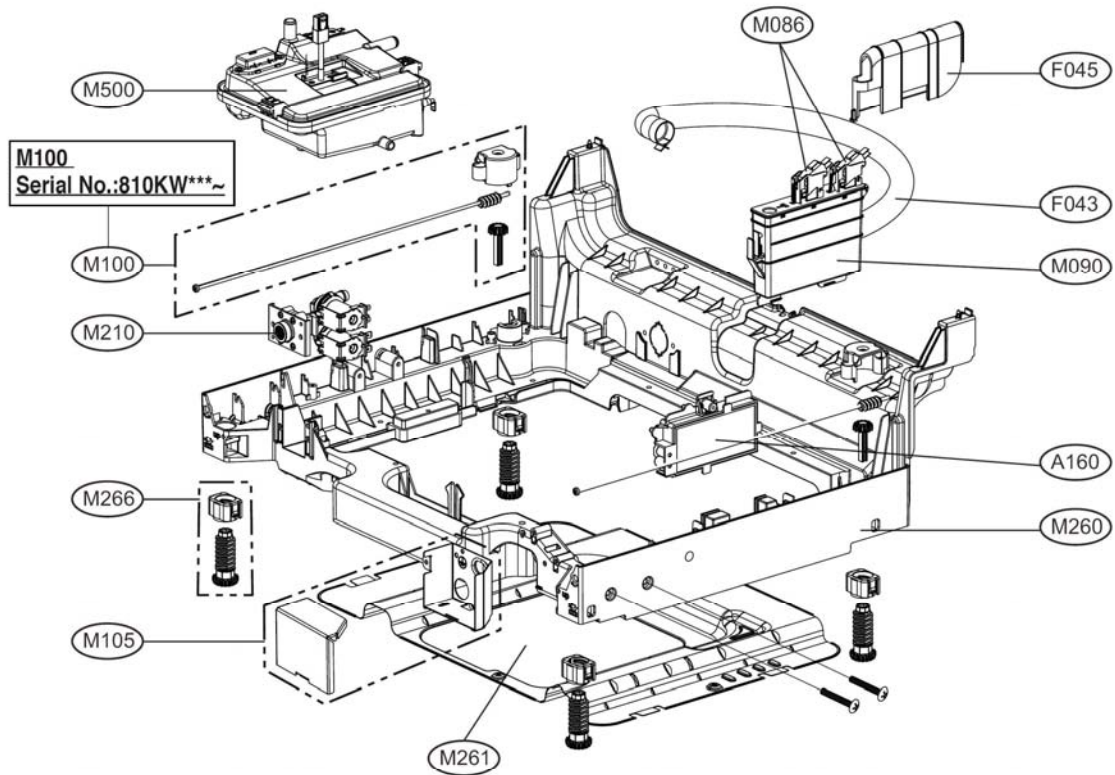


EXPLODED VIEW

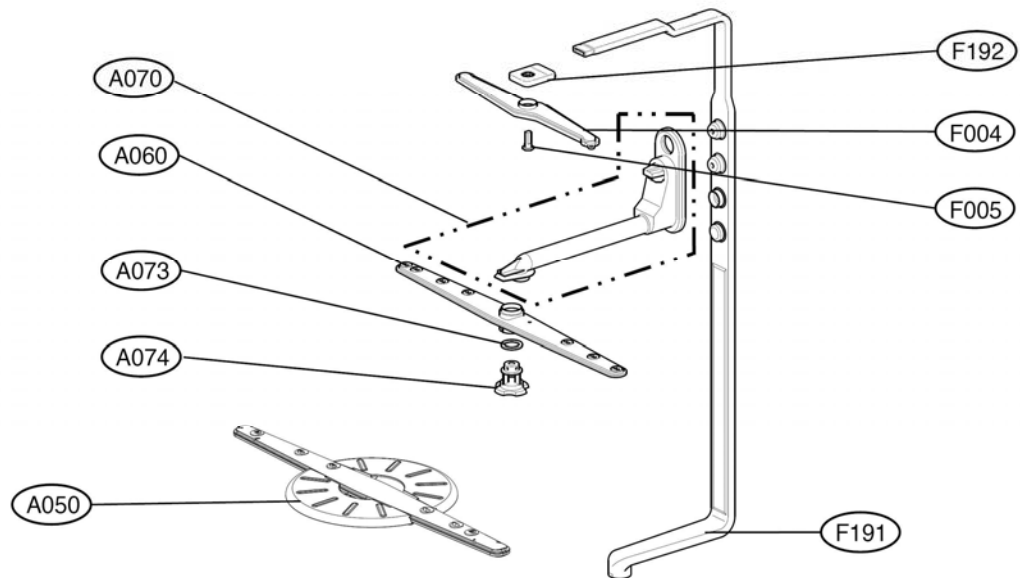


EXPLODED VIEW

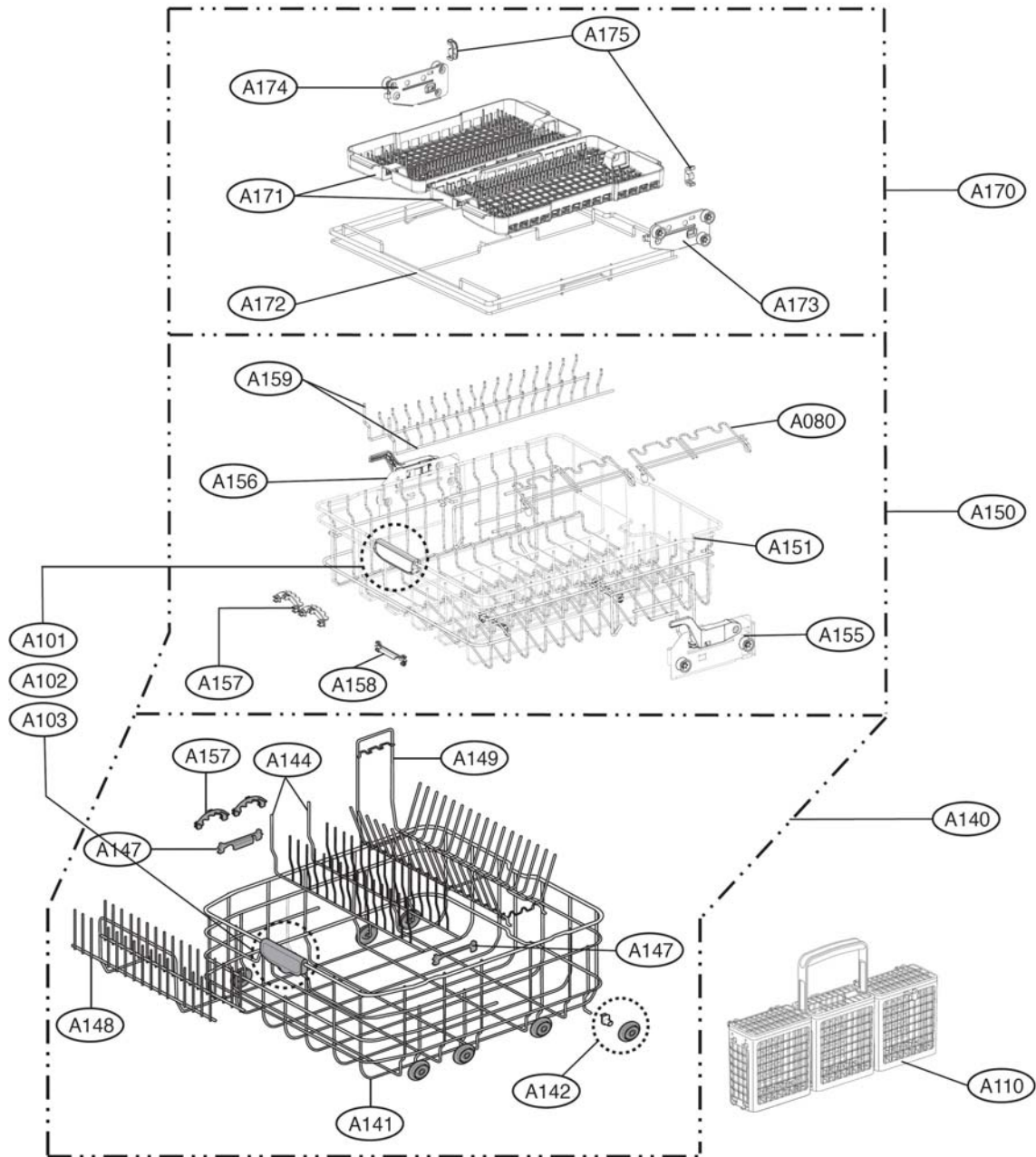
BASE ASSEMBLY



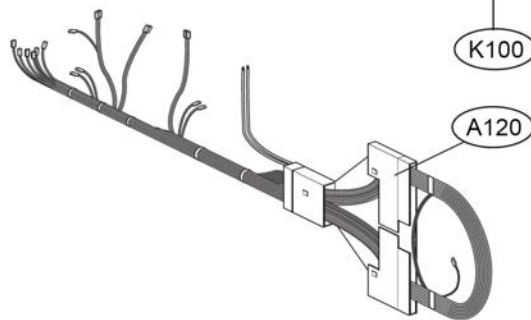
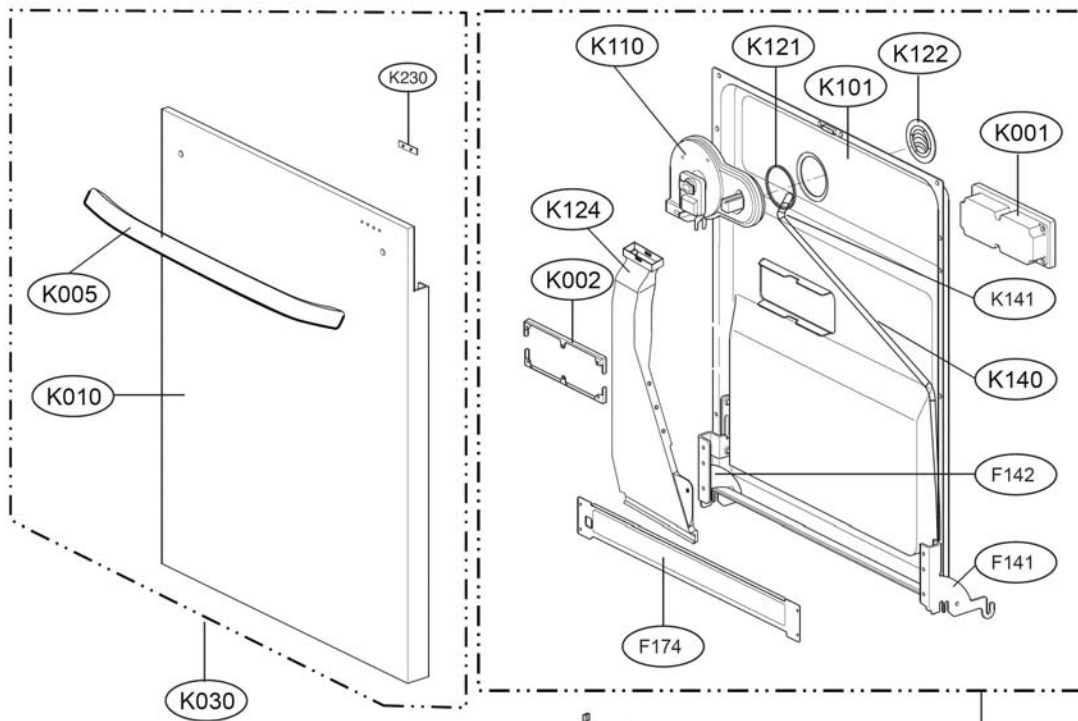
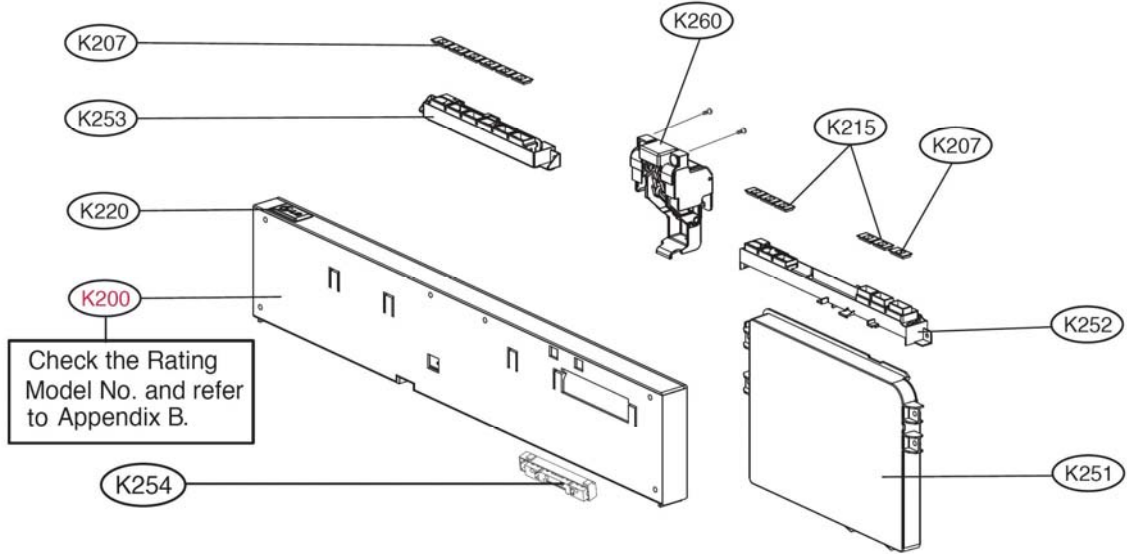
NOZZLE ASSEMBLY



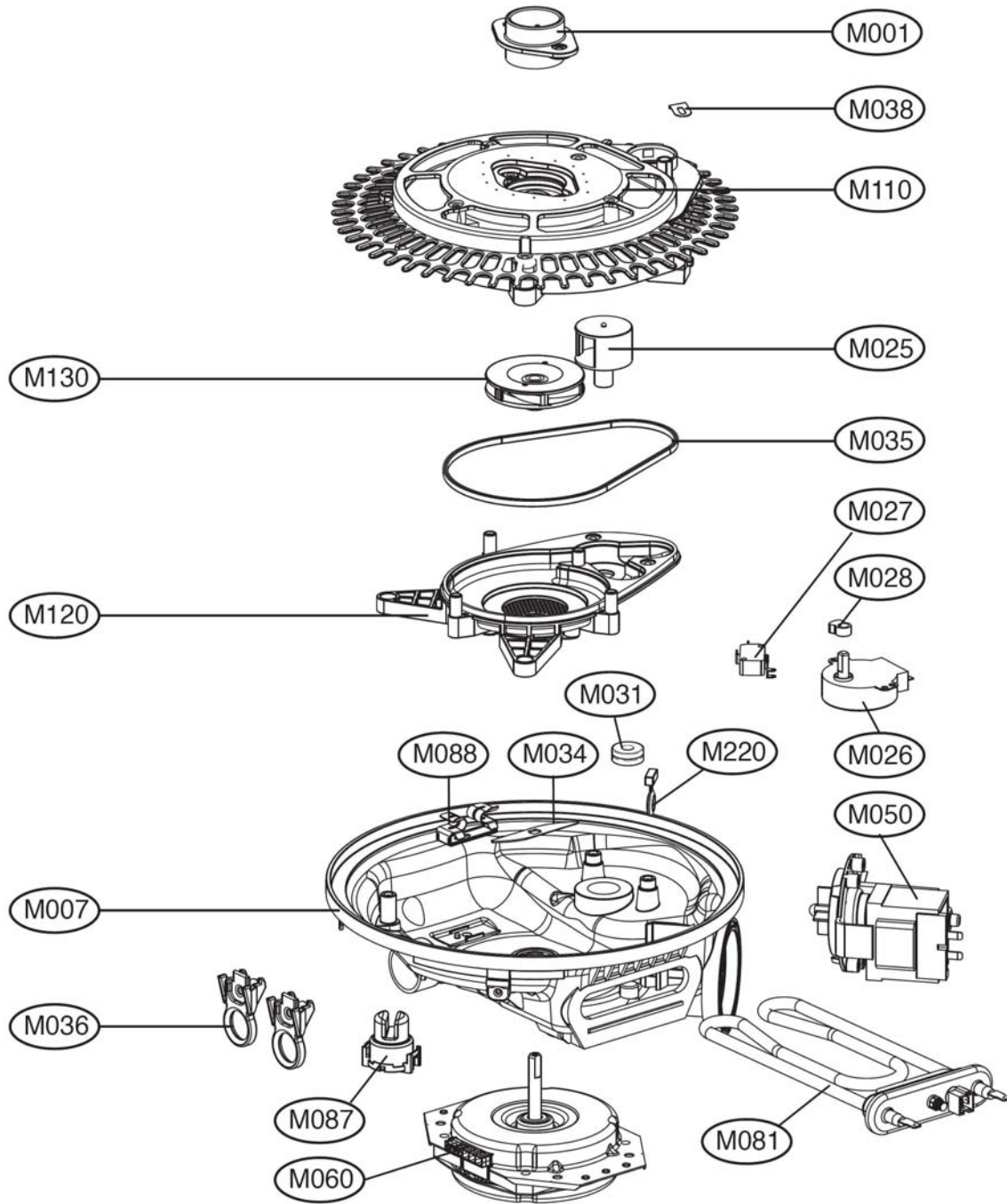
EXPLODED VIEW



EXPLODED VIEW



EXPLODED VIEW



PARTS LIST

Loc #	Part No	Description
*001	AFN31666758	Manual Assembly, Owners
*002	3890DZ3015A	Box, Carton
*003	MFL37554808	Manual, Service
A003	ACV34326901	Damper Assembly
A008	4980ED2018B	Supporter, Holder
A040	3551DD2001E	Cover Assembly, Lower
A050	AGB32598301	Nozzle Assembly
A060	5249DD1001A	Nozzle Assembly
A070	4975DD1002A	Guide Assembly
A073	1WZZDD3001A	Washer, Common
A074	4370ED3007A	Shaft, Nozzle
A080	3750DD2001A	Rack
A101	3806DD3004A	Decor, Handle
A102	3650DD3001A	Handle
A103	3650DD3002A	Handle
A103	3650DD3002A	Handle
A110	5005DD1001A	Basket Assembly, Spoon
A120	EAD38156501	Harness, Multi
A130	AEM30700301	Hose Assembly, Drain
A130	AEM69493801	Hose Assembly, Drain
A140	3751DD1001A	Rack Assembly
A141	3750ED1004A	Rack
A142	4581DD3003B	Roller Assembly
A144	3750DD2003A	Rack
A147	4930DD3006A	Holder
A148	3750DD1001A	Rack
A149	3750DD1002A	Rack
A150	3751DD1002D	Rack Assembly
A151	3750ED1005C	Rack
A155	AEC32598701	Guide Assembly
A156	AEC32598601	Guide Assembly
A157	4930DD3003A	Holder
A158	4930DD3005A	Holder
A159	3750DD2002A	Rack
A160	6201EC1006L	Filter Assembly
A170	AHB33839401	Rack Assembly

Loc #	Part No	Description
A171	MJS38945601	Tray
A172	MGR38994001	Rack
A173	AEC33858601	Guide Assembly
A174	AEC33858701	Guide Assembly
A175	MEG38945701	Holder
E005	5001DD4001A	Accessory Assembly
E010	4830ED4001A	Bush
F001	3211DD1001B	Frame Assembly
F004	5249DD2001A	Nozzle Assembly
F005	4370ED3006A	Shaft, Nozzle
F011	4970ED4004G	Spring, Hinge
F013	4933DD3001B	Connector Assembly
F022	6501DD2001A	Sensor Assembly
F040	4975ED1005B	Guide Assembly
F041	AEM34434401	Hose Assembly, Connector
F042	5214DD3003A	Hose, Connector
F043	MEJ39603301	Hose, Connector
F045	3550DD2001A	Cover, Protect
F050	4020FD3641C	Nut, Common
F060	4986DD3001A	Gasket
F101	3920DD3002A	Packing
F102	MFZ42591601	Packing
F103	MFZ42591701	Packing
F110	4581DD3001A	Roller Assembly
F111	5218ED3001A	Rail
F112	4620ED3002A	Stopper, Roller
F113	4580ED4002A	Roller
F113	4580ED4002A	Roller
F117	4620ED3001A	Stopper, Roller
F118	4620ED3003A	Stopper, Roller
F121	MJB32864101	Stopper, Roller
F122	MGT32863801	Rail
F123	AEN32597901	Housing Assembly, Bearing
F132	3920DD3005A	Packing
F141	4775DD2002A	Hinge Assembly
F142	4775DD2001A	Hinge Assembly
F143	4775ED3004A	Hinge Assembly
F144	4775ED3003A	Hinge Assembly
F171	4026DD3001A	Locker, Lock

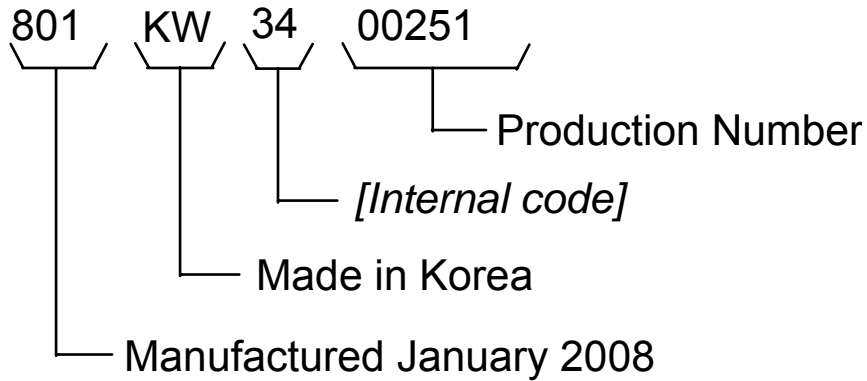
Loc #	Part No	Description
F174	4810DD1001A	Bracket, Hinge
F191	MEA36937101	Guide, Water
F192	4974DD3001A	Guide, Nozzle
F210	4581DD3001B	Roller Assembly
F230	4810DD4005A	Bracket, Tub
F240	6913ER4001B	Lamp, Incandescent
F300	AGB33696301	Nozzle Assembly
K001	4924FD2123E	Dispenser
K002	4810FD3805A	Bracket Assembly
K005	MEB41413201	Handle
K010	3550ED0001H	Cover, Front
K030	3551DD1003D	Cover Assembly, Front
K100	4937DD1001C	Door Liner Assembly
K101	AGM34891601	Parts Assembly
K110	ABT35083801	Casing Assembly
K121	4986DD3003A	Gasket
K122	3550ED3011A	Cover, Blower
K124	MJZ61841501	Vent
K140	5214ER4001S	Hose, Inlet
K141	4861FR3068M	Clamp
K200	AGL33667102	Panel Assembly, Control
K207	MCK40133201	Cover, Guide
K207	MCK40133201	Cover, Guide
K215	MCK40228201	Cover, Guide
K220	AFZ34353901	Name Plate Assembly
K230	AJX32598501	Window Assembly
K251	EBR38144403	PCB Assembly, Main
K251	EBR38144405	PCB Assembly, Main
K252	EBR38145001	PCB Assembly, Display
K253	EBR38145201	PCB Assembly, Display
K254	EBR33469704	PCB Assembly, Front
K260	4027ED3002D	Locker Assembly
M001	4930DD3002A	Holder
M005	MDS58387601	Gasket
M006	AJH31248603	Sump Assembly
M007	AJH32598001	Sump Assembly
M025	MJX32862501	Valve, Check
M026	4681ED3001B	Motor Assembly, AC, Drain
M027	3W40025C	Switch, Micro

Loc #	Part No	Description
M028	MBJ32856401	Cam, Switch
M031	3920ED4009B	Packing
M034	5832DD4001A	Blade
M035	MFZ32863101	Packing
M036	4930DD3008A	Holder
M038	4930DD3012A	Holder
M050	4681EA2002H	Motor Assembly, AC, Pump
M060	4681ED1004A	Motor Assembly, DC, Washer
M081	5301DD1001A	Heater Assembly
M086	3W40025P	Switch, Micro
M087	6501ED2002F	Sensor Assembly
M088	3740ED3003A	Cover
M090	4769DD2001B	Float Assembly
M100	AGM72461801	Parts Assembly
M105	AGM72573101	Parts Assembly
M110	ADQ32598202	Filter Assembly, Mesh
M120	ABQ32598101	Case Assembly
M130	5911ED3003A	Impeller Assembly
M210	AJU33450701	Valve Assembly, Inlet
M220	5220ED4004A	Valve, Check
M260	AGM72098101	Parts Assembly
M261	ACQ31707201	Cover Assembly, Base
M266	AGM72461901	Parts Assembly
M500	ADZ32992801	Generator Assembly
		TOUCH-UP PAINT (Brush-in-lid)
	TUP-3796BK	Black
	TUP-3796WH	White
	TUP-3796BB	Bahama Blue
	TUP-3796BQ	Bisque
	TUP-3796DG	Dark Green
	TUP-3796NN	Navy Blue
	TUP-3796PG	Pearl Gray
	TUP-3796RR	Candy Red
	TUP-3796TG	Titanium Gray (Refrigerators Only)
	TUP-3796TT	Titanium (Laundry Only)
	TUP-3796PS	Pure Silver
	TUP-3796RB	Riviera Blue
	TUP-3796VS	Stainless

SERIAL NUMBER IDENTIFICATION

The serial number is unique to each product. It gives information concerning the time and place of manufacture. The serial number is required to be paid for warranty service and to get the correct part in the event a running production change was made. Some models may have four (4) letters instead of two (2) for the product code number. The third and fourth letters are significant only to the manufacturing facility. This chart will help you decode the serial number.

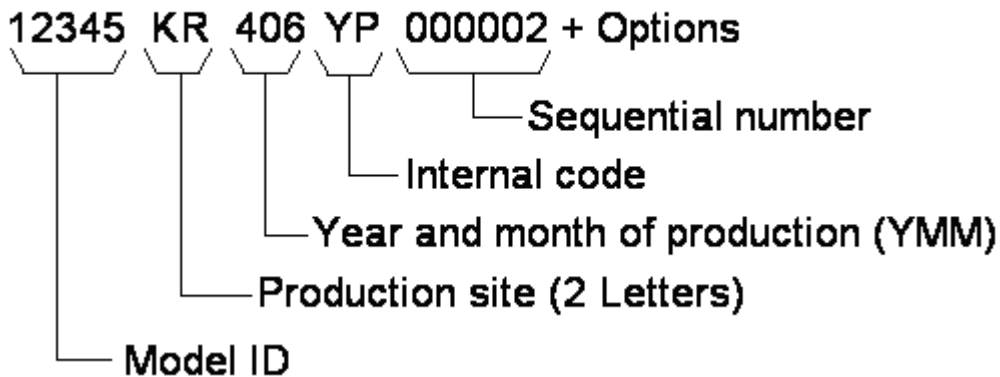
[Example] 801KW3400251



Newer Style With Barcode



New Serial Code



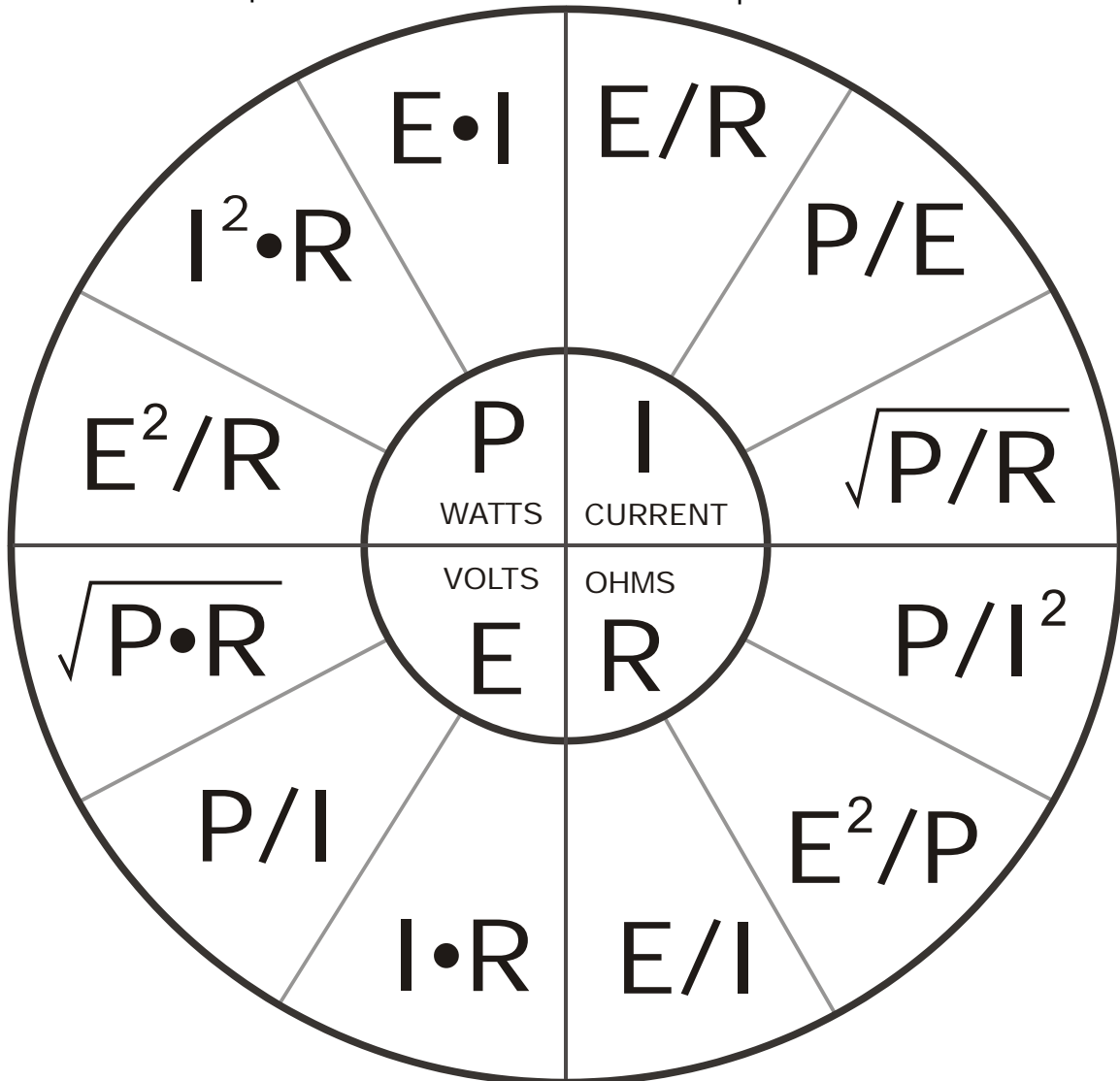
OHM'S LAW and WATT'S LAW

P = WATTS

Watts = Volts² / Ohms
 Watts = Amperes² x Ohms
 Watts = Volts x Amperes

I = AMPERES

Amperes = Volts / Ohms
 Amperes = Watts / Volts
 Amperes = $\sqrt{\text{Watts} / \text{Ohms}}$



E = VOLTS

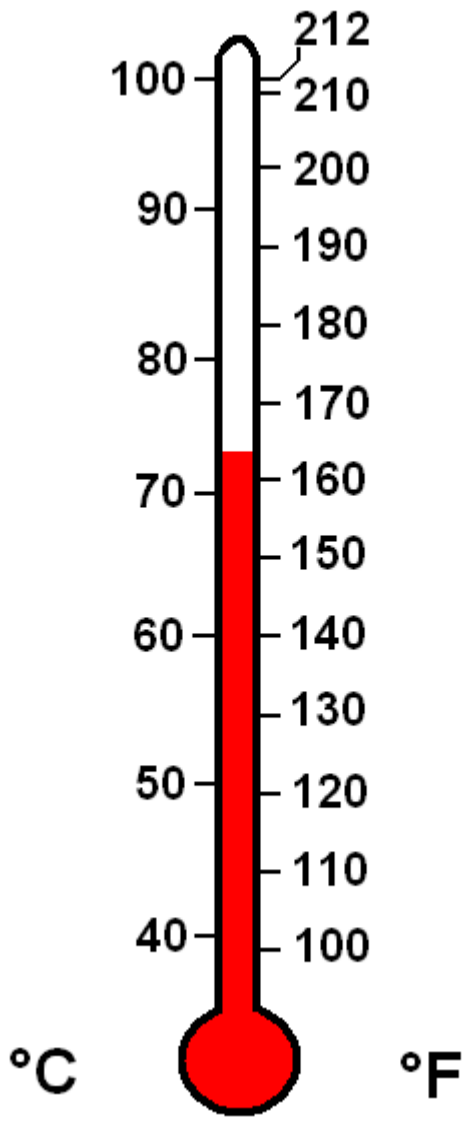
Volts = $\sqrt{\text{Watts} \times \text{Ohms}}$
 Volts = Watts / Amperes
 Volts = Amperes x Ohms

R = OHMS

Ohms = Volts / Amperes
 Ohms = Volts² / Watts
 Ohms = Watts / Amperes²

CONVERSION INFORMATION

FORMULAE



$$^{\circ}\text{F} = (9/5) ^{\circ}\text{C} + 32$$

$$^{\circ}\text{C} = (5/9) \times (^{\circ}\text{F} - 32)$$

SERVICE BULLETINS



SERVICE BULLETIN-1
Installation improvement

page 1/7

Date of issue : 17 Oct 2008

Buyer Model : LDS5811XX, LDS5811XX/01, LDS5811XX/02, LDF7811XX, LDF7811XX/01, LDF7810XX, LDF7810XX/01, LDF6810XX, LDF6810XX/01, LDF6810XX/02, LDF8812XX, LDF8812XX/01, LDF9810XX, LDF9810XX/01, LDS4821XX, LDF6920XX, LDF8922XX, LDF7920XX, LDF7932XX

LGE Model : LD-6090XX, LD-6100XX, LD-6105XX, LD-6106XX, LD-6300XX, LD-6310XX, LD-6311XX, D1401XX, D1607XX, D1608XX, D1613XX

Buyer Name : LGECI, LGEUS

Effective Date : 01 Oct 2008

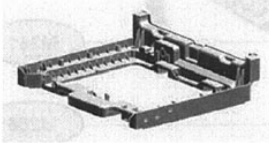

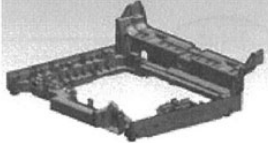
Applicable Serial No : 501KWXXXXX ~

Subject : Parts change for Installation convenience.

1. **Phenomenon :** Changes to base affecting installation

2. **Reason :** Changes have been made to the base in order to make installation faster and easier.

3. Major Changed parts

Old base	New base	New Base → Modify
3040ED1003A	MAM34326301	MAM34326301
501KW***** ~ 609KW*****	610KW***** ~ 809KW*****	810KW***** ~
		

※ **Remark :** All changes have been made to the base. See the exploded view and chart for part numbers and compatibility.

* Interchangeability Code	Alphabetic Code	Numeral Code
	A	Interchangeable : Old and new parts can be used in products at the bulletin regardless of manufacturing date.
B	Old parts can be substituted for new parts : Old parts can be used in products regardless of manufacture date. New parts can be used in new products only.	3 To improve reliability 4 Change of material or dimension
C	New parts can be substituted for old parts : Only new parts can be used in products regardless of manufacture date.	5 Addition 6 Deletion
D	Not interchangeable : New parts can be used in new products only.	7 Correction

Y.J.Lee

Y.J Lee
Dish Washer Engineering
Design Department.



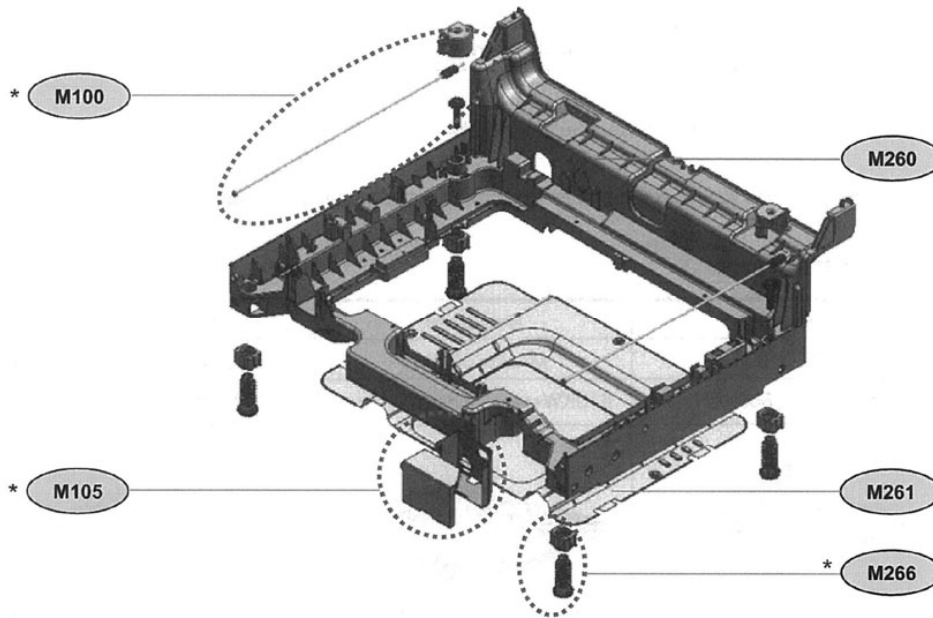
SERVICE BULLETIN-1

Installation improvement

page 2/7

4.SVC Method:

Service procedures for models with the new base are not affected by these changes. The only difference is in the removal for service and reinstallation of the product after service. Parts of the base are not interchangeable between old and new style bases. If any old style base parts must be replaced, refer to the chart on the next page and order ALL the parts listed for the old style base. (Applied date: 01.Oct.2008)



* Interchangeability Code	Alphabetic Code	Numeral Code
	A	Interchangeable : Old and new parts can be used in products a the bulletin regardless of manufacturing date.
B	Old parts can be substituted for new parts : Old parts can be used in products regardless of manufacture date. New parts can be used in new products only.	3 To improve reliability 4 Change of material or dimension
C	New parts can be substituted for old parts : Only new parts can be used in products regardless of manufacture date.	5 Addition 6 Deletion
D	Not interchangeable : New parts can be used in new products only.	7 Correction

Y.J.Lee



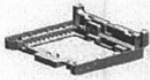


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Dish Washer Engineering
Design Department.



SERVICE BULLETIN-1

Installation improvement

Serial No. : 501KWxxxxx ~ 609KWxxxxx

Location Number	Old base part number	Use these service part numbers
M100		-
M105	Case (3110DD3002A) 	* Parts Assembly (AGM72098101) Base cover Asm (ACQ31707201) * Parts Assembly (AGM72573101) Side cabinet-R (3090ED1001D/E/F) Side cabinet-L (3090ED1002D/E/F)
	Cover Asm (3551DD3001A) 	
M260	Base (3040ED1003A) 	* Parts Assembly (AGM72098101) Base cover Asm (ACQ31707201) * Parts Assembly (AGM72573101) Side cabinet-R (3090ED1001D/E/F) Side cabinet-L (3090ED1002D/E/F)
M261	Base cover Asm (3551DD1002A) 	* Parts Assembly (AGM72098101) Base cover Asm (ACQ31707201) * Parts Assembly (AGM72573101) Side cabinet-R (3090ED1001D/E/F) Side cabinet-L (3090ED1002D/E/F)
M266	Leg (4778DD3001A) 	* Parts Assembly (AGM72461901) (NOTE: Nut is not used on old bases)

* Parts Assembly (only for SVC) : refer to the next page for details

NOTE ; If the LOC# M105, LOC# M260, LOC# M261 must be replaced on older models, order all the parts listed in the table above.

* Interchangeability Code	Alphabetic Code	Numeral Code
	A	Interchangeable : Old and new parts can be used in products at the bulletin regardless of manufacturing date.
B	Old parts can be substituted for new parts : Old parts can be used in products regardless of manufacture date. New parts can be used in new products only.	3 To improve reliability 4 Change of material or dimension
C	New parts can be substituted for old parts : Only new parts can be used in products regardless of manufacture date.	5 Addition 6 Deletion
D	Not interchangeable : New parts can be used in new products only.	7 Correction

Y.J.Lee






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Dish Washer Engineering
Design Department.



SERVICE BULLETIN-1

Installation improvement

Serial No. : 610KWxxxxx ~ 809KWxxxxx

Location Number	Old base part number	Use these service part numbers
M100		-
M105	Case (3110DD3002A) 	* Parts Assembly (AGM72098101) Base cover Asm (ACQ31707201) * Parts Assembly (AGM72573101)
	Cover Asm (3551DD3001A) 	
M260	Base (MAM34326301) 	* Parts Assembly (AGM72098101) Base cover Asm (ACQ31707201) * Parts Assembly (AGM72573101)
M261	Base cover Asm (MCK34326401) 	* Parts Assembly (AGM72098101) Base cover Asm (ACQ31707201) * Parts Assembly (AGM72573101)
M266	Leg (4778DD3001A) 	* Parts Assembly (AGM72461901) (NOTE: Nut is not used on old bases)

* Parts Assembly (only for SVC) : refer to the next page for details

NOTE ; If the LOC#M105, LOC# M260, LOC# M261 must be replaced on older models, order all the parts listed in the table above.

* Interchangeability Code	Alphabetic Code	Numeral Code
	A	Interchangeable : Old and new parts can be used in products at the bulletin regardless of manufacturing date.
B	Old parts can be substituted for new parts : Old parts can be used in products regardless of manufacture date. New parts can be used in new products only.	3 To improve reliability 4 Change of material or dimension
C	New parts can be substituted for old parts : Only new parts can be used in products regardless of manufacture date.	5 Addition 6 Deletion
D	Not interchangeable : New parts can be used in new products only.	7 Correction

Y.J.Lee



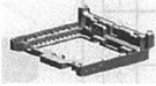


Y.J Lee
Dish Washer Engineering
Design Department.



SERVICE BULLETIN-1

Installation improvement

Serial No. : 810KWxxxxx ~

Location Number	Old base part number		Use these service part numbers
M100	Parts Assembly (AGM72461801)		* Parts Assembly (AGM72461801)
M105	Parts Assembly (AGM72573101)		* Parts Assembly (AGM72573101)
M260	Base (MAM34326301)		* Parts Assembly (AGM72098101)
M261	Base cover Asm (ACQ31707201)		Base cover Asm (ACQ31707201)
M266	Parts Assembly (AGM72461901)		* Parts Assembly (AGM72461901) (NOTE: Nut is not used on old bases)

* Parts Assembly (only for SVC) : refer to the next page for details

NOTE ; If the LOC# M105, LOC# M260, LOC# M261 must be replaced on older models, order all the parts listed in the table above.

* Interchangeability Code	Alphabetic Code		Numeral Code	
	A	Interchangeable : Old and new parts can be used in products at the bulletin regardless of manufacturing date.	1	To improve performance
	B	Old parts can be substituted for new parts : Old parts can be used in products regardless of manufacture date. New parts can be used in new products only.	2	To improve productivity
	C	New parts can be substituted for old parts : Only new parts can be used in products regardless of manufacture date.	3	To improve reliability
	D	Not interchangeable : New parts can be used in new products only.	4	Change of material or dimension
		5	Addition	
		6	Deletion	
		7	Correction	

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Dish Washer Engineering
Design Department.



SERVICE BULLETIN-1

Installation improvement

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*** Parts Assembly (only for SVC)**

M100	Parts Assembly (AGM72461801)	<table border="1"> <tr><td>Shaft Assembly</td><td>1</td></tr> <tr><td>Holder(Bracket)</td><td>1</td></tr> <tr><td>Leg(Coupler)</td><td>1</td></tr> </table>	Shaft Assembly	1	Holder(Bracket)	1	Leg(Coupler)	1							
Shaft Assembly	1														
Holder(Bracket)	1														
Leg(Coupler)	1														
M105	Parts Assembly (AGM72573101)	<table border="1"> <tr><td>Case</td><td>1</td></tr> <tr><td>Cover Assembly</td><td>1</td></tr> </table>	Case	1	Cover Assembly	1									
Case	1														
Cover Assembly	1														
M260	Parts Assembly (AGM72098101)	<table border="1"> <tr><td>Base</td><td>1</td></tr> <tr><td>Leg</td><td>4</td></tr> <tr><td>Nut</td><td>4</td></tr> <tr><td>Shaft Assembly</td><td>2</td></tr> <tr><td>Holder(Bracket)</td><td>2</td></tr> <tr><td>Leg(Coupler)</td><td>2</td></tr> </table>	Base	1	Leg	4	Nut	4	Shaft Assembly	2	Holder(Bracket)	2	Leg(Coupler)	2	
Base	1														
Leg	4														
Nut	4														
Shaft Assembly	2														
Holder(Bracket)	2														
Leg(Coupler)	2														
M266	Parts Assembly (AGM72461901)	<table border="1"> <tr><td>Leg</td><td>1</td></tr> <tr><td>Nut</td><td>1</td></tr> </table>	Leg	1	Nut	1									
Leg	1														
Nut	1														

Base cover Asm

M261	Base cover Asm (ACQ31707201)	<table border="1"> <tr><td>Cover, base</td><td>1</td></tr> <tr><td>Damper, damping</td><td>1</td></tr> <tr><td>Label, caution</td><td>1</td></tr> </table>	Cover, base	1	Damper, damping	1	Label, caution	1	
Cover, base	1								
Damper, damping	1								
Label, caution	1								

* Interchangeability Code		Alphabetic Code	Numeral Code
A	Interchangeable : Old and new parts can be used in products at the bulletin regardless of manufacturing date.	1	To improve performance
B	Old parts can be substituted for new parts : Old parts can be used in products regardless of manufacture date. New parts can be used in new products only.	2	To improve productivity
C	New parts can be substituted for old parts : Only new parts can be used in products regardless of manufacture date.	3	To improve reliability
D	Not interchangeable : New parts can be used in new products only.	4	Change of material or dimension
		5	Addition
		6	Deletion
		7	Correction

Y.J.Lee

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Dish Washer Engineering
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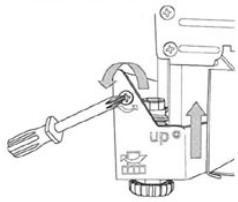
SERVICE BULLETIN-1

Installation improvement

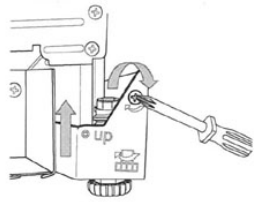
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5.How to adjust leg

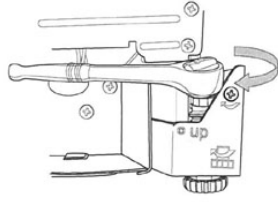
How to adjust leg



■ Left side – turn the adjusting screw **counterclockwise** to lower the leg and raise the rear of the dishwasher.



■ Right side – turn the adjusting screw **clockwise** to lower the leg and raise the rear of the dishwasher.



■ Front feet can be adjusted from the top using a 1/4" square drive wrench.

NOTE :

When you adjust the rear legs, use care to turn the adjusters in the proper direction.

These adjusters may be damaged by being driven in reverse at the upper stops.

Turning the adjusters the wrong way when the leg is fully retracted will produce a loud snapping sound to alert you that it has reached the upper limit.

If you use an electric screwdriver, keep the torque setting as low as possible to reduce the possibility of damage to the adjusting mechanism.

In the event that a rear adjuster is damaged, you can adjust the leg manually as before by removing the broken adjusters.

* Interchangeability Code	Alphabetic Code	Numeral Code
A	Interchangeable : Old and new parts can be used in products at the bulletin regardless of manufacturing date.	1
B	Old parts can be substituted for new parts : Old parts can be used in products regardless of manufacture date. New parts can be used in new products only.	2
C	New parts can be substituted for old parts : Only new parts can be used in products regardless of manufacture date.	3
D	Not interchangeable : New parts can be used in new products only.	4
		5
		6
		7

Y.J.Lee

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Dish Washer Engineering
Design Department.



SERVICE BULLETIN-2

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Drain hose with siphon protector

Buyer Model : LDS5811XX, LDF7811XX, LDF7810XX, LDF7920XX, LDF6810XX, LDF8812XX, LDF8922XX
LDF9810XX, LDS4821XX, LDF6920XX, LDF7932XX, LDF9932XX

LGE Model : LD-6090XX, LD-6100XX, LD-6105XX, LD-6106XX, LD-6300XX, LD-6310XX, LD-6311XX
D1401XX, D1607XX, D1608XX, D1613XX, D1412XX

Buyer Name : EUS / ECI

Effective Date : 12. November. 2008

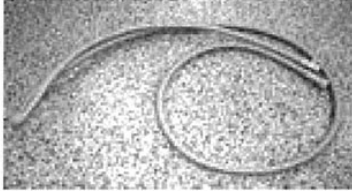
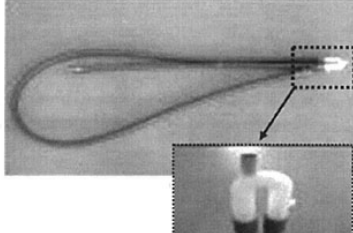
Applicable Serial No. : 811##### ~

SUBJECT : New Drain Hose

- 1. **Phenomenon :** Siphon break added to drain hose
- 2. **Reason :** Siphon break added to prevent siphoning water from tub

※ **Service Caution :** When replacing the sump heater you should also replace the drain hose with the added siphon break.

3.Changed parts

LOC No. and Description	BEFORE (S/N : 501KW#####~810#####)	AFTER (S/N :811##### ~)
A130 Drain hose	AEM30700301 	AEM69493801 

* Interchangeability Code	Alphabetic Code	Numeral Code
	(A) Interchangeable : Old and new parts can be used in products at the bulletin regardless of manufacturing date.	(1) To improve performance
(B) Old parts can be substituted for new parts : Old parts can be used in products regardless of manufacture date. New parts can be used in new products only.	(2) To improve productivity	
(C) New parts can be substituted for old parts : Only new parts can be used in products regardless of manufacture date.	(3) To improve reliability	
(D) Not interchangeable : New parts can be used in new products only.	(4) Change of material or dimension	
	(5) Addition	
	(6) Deletion	
	(7) Correction	

G. H. Hwang

Research Engineer
Dishwasher Gr.
Washing Machine Lab
LG Electronics DAC



SERVICE BULLETIN-2

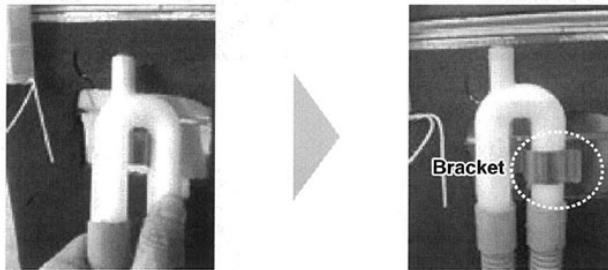
page 2/3

Drain hose with siphon protector

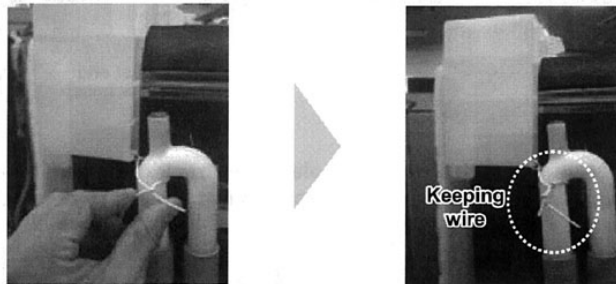
※ When replacing the old style drain hose with the new style drain hose follow the steps below.

1) There are 2 methods of mounting the siphon break. For bracket installation follow step "a". For wire tie installation follow step "b".

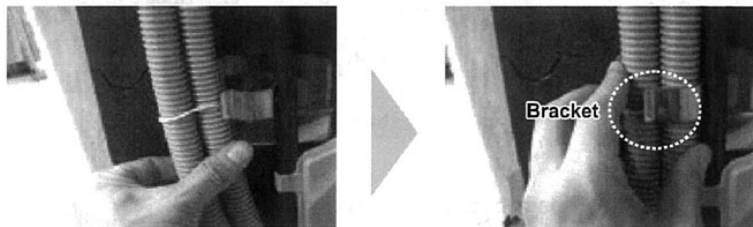
a) Insert the right side of the siphon break under the bracket as shown below.



b) Use the existing wire tie from the previous hose to support the siphon break and hose



2) Insert the drain hose into the lower bracket.



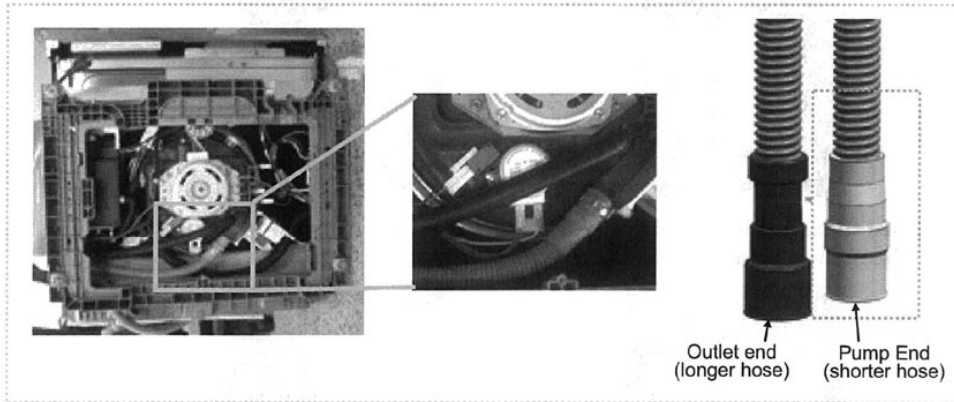
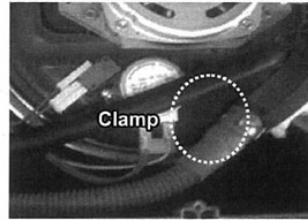


SERVICE BULLETIN-2

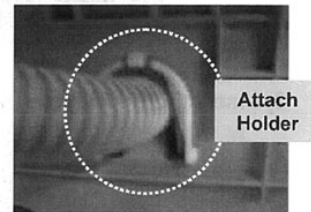
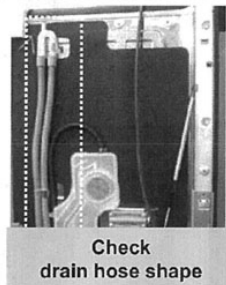
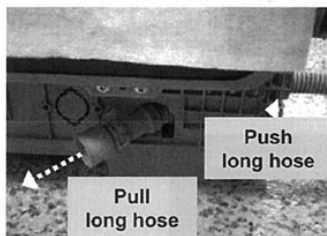
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Drain hose with siphon protector

- 3) Attach the drain hose to the drain hose outlet on the sump using the clamp provided. Clamp is included with the new hose.



- 4) Feed outlet end of long hose through the hole in the back of the base and attach bracket holder. Check to make sure hose is not kinked or twisted.



- 5) Reinstall the dishwasher as described in the installation manual.



SERVICE BULLETIN-3

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Hinge spring & wire about door drop

LG Electronics Inc.

Date of issue: 4. February. 2009

Buyer Model : LDF8812ST, LDF8812ST/01, LDF8922ST, LDF78****, LDF78****/01, LDF6810**, LDF6810**/01, LDF6810**/02, LDF6920**, LDS5811**, LDS5811**/01, LDS5811**/02, LDS4821**
LGE Model : LD-63**, LD-63**1, LD-63**2, LD-61**, LD-61**1, D1608**, LD-6090**, LD-6090**1, LD-6090**2, D1607**

Buyer Name : EUS / ECI

Effective Date : 4. February. 2009

Applicable Serial No. : 501KWXXXX ~

SUBJECT : Change of Spring Hinge & Connector Assy.

※ **Symptom :** When a user open or close the door, the door can be stayed at any position that a user want to stop. If the door doesn't stop and falls by itself, than the SPRING, HINGE or the CONNECTOR ASSMBLY should be changed.

1. **Phenomenon :** Change of Spring Hinge & Connector Assy.
2. **Reason :** Improve the Door System of the Fully-type Dishwasher
3. **Changed parts ; for the Fully Type Dishwasher**

Location Number	When replacing these Parts	Old base part number	Use these part numbers for SVC	
			Fully Model (LDF8812ST, LDF8812ST/01, LDF8922ST, LDF6810**, LDF6810**/01, LDF6810**/02, LDF6920**, LDF78****, LDF78****/01)	
			Serial No. : 501~ 812KWxxxxx	Serial No. : 901KWxxxxx ~
F011	SPRING, HINGE	4970ED4004A	4970ED4004G(SPRING) 4933DD3001B(CONNECTOR)	4970ED4004G
F013	CONNECTOR ASSEMBLY	4933DD3001A	4970ED4004G(SPRING) 4933DD3001B(CONNECTOR)	4933DD3001B

▪ **Note :** The **SPRING, HINGE[4970ED4004G]** and the **CONNECTOR ASSEMBLY[4933DD3001B]** should be applied all together for a fully type dishwasher.

▪ **Note :** **Serial No. 501~ 812KWxxxxx ;**
 If you need to repair the SPRING HINGE, the CONNECTOR ASSEMBLY must be changed together.
 Or if you need to repair the CONNECTOR ASSEMBLY, the SPRING HINGE must be changed together.

* Interchangeability Code	Alphabetic Code		Numeral Code	
	A	Interchangeable : Old and new parts can be used in products as the bulletin regardless of manufacturing date.	1	To improve performance
	B	Old parts can be substituted for new parts : Old parts can be used in products regardless of manufacture date. New parts can be used in new products only.	2	To improve productivity
	C	New parts can be substituted for old parts : Only new parts can be used in products regardless of manufacture date.	3	To improve reliability
	D	Not interchangeable : New parts can be used in new products only.	4	Change of material or dimension
		5	Addition	
		6	Deletion	
		7	Correction	

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SERVICE BULLETIN-3

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Hinge spring & wire about door drop

LG Electronics Inc.

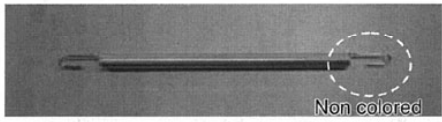
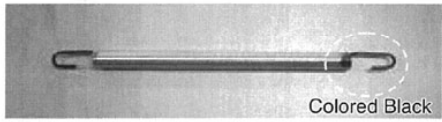
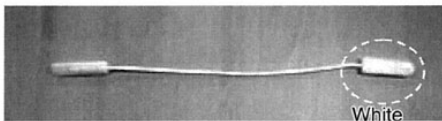
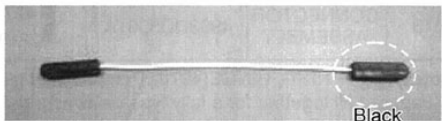
Date of issue: 4. February, 2009

4.Changed parts ; for the Semi Type Dishwasher

Location Number		Semi Model (LDS5811**, LDS5811**/01, LDS5811**/02, LDS4821**)	
		Before : 501~ 812KWxxxxx	After : 901KWxxxx ~
F013	CONNECTOR ASSEMBLY	4933DD3001A	4933DD3001B

- Note : The **CONNECTOR ASSEMBLY[4933DD3001B]** should be applied for every semi type dishwasher.
- Note : Serial No. **501~ 812KWxxxxx** ;
If you need to repair a CONNECTOR ASSEMBLY, apply the **4933DD3001B**.

5.Pictures of parts

SPRING, HINGE	
4970ED4004A	4970ED4004G
 Non colored	 Colored Black
CONNECTOR ASSEMBLY	
4933DD3001A	4933DD3001B
 White	 Black

* Interchangeability Code		Alphabetic Code	Numeral Code
A	Interchangeable	: Old and new parts can be used in products as the bulletin regardless of manufacturing date.	1 To improve performance
			2 To improve productivity
	B	Old parts can be substituted for new parts : Old parts can be used in products regardless of manufacture date. New parts can be used in new products only.	3 To improve reliability
			4 Change of material or dimension
C	New parts can be substituted for old parts : Only new parts can be used in products regardless of manufacture date.	5 Addition	
D	Not interchangeable	New parts can be used in new products only.	6 Deletion 7 Correction

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SERVICE BULLETIN-4

Vent to prevent condensation

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LG Electronics Inc.

Date of issue: 4. February. 2009

Buyer Model : LDS5811BB, LDF7811BB, LDF7810BB, LDF7920BB, LDF6810BB,
LDS4821BB, LDF6920BB

LGE Model : LD-6090BB, LD-6100BB, LD-6105BB, LD-6106BB, LD-6300BB,
D1607BB, D1608BB

Buyer Name : EUS / ECI

Effective Date : 1. January. 2009

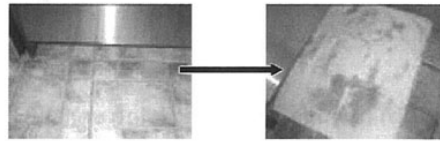
Applicable Serial No. : S/N : 712KWxxxxx~812xxxxxxx

In Production- 901xxxxx ~

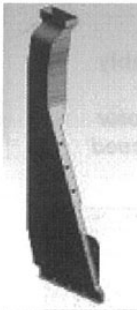

SUBJECT : New vent assembly for drying – To reduce moisture on the floor during dry cycle

1. Problem : moisture build up on floor
as a result from the drying cycle

2. Solution : Redesigned vent to prevent
condensation build up on floor.



3. Changed parts

LOC No. and Description	BEFORE (S/N : 712KWXXXX~812XXXX)	AFTER (S/N : 901XXXX ~)
K124 Vent	MJZ39902101 	Order Part as needed by color: ▪ Black door - MJZ61841503 Black Light gray / White / Black 

* Interchangeability Code	Alphabetic Code	Numeral Code
	<p>A Interchangeable : Old and new parts can be used in products at the bulletin regardless of manufacturing date.</p> <p>B Old parts can be substituted for new parts : Old parts can be used in products regardless of manufacture date. New parts can be used in new products only.</p> <p>C New parts can be substituted for old parts : Only new parts can be used in products regardless of manufacture date.</p> <p>D Not interchangeable : New parts can be used in new products only.</p>	<p>1 To improve performance</p> <p>2 To improve productivity</p> <p>3 To improve reliability</p> <p>4 Change of material or dimension</p> <p>5 Addition</p> <p>6 Deletion</p> <p>7 Correction</p>

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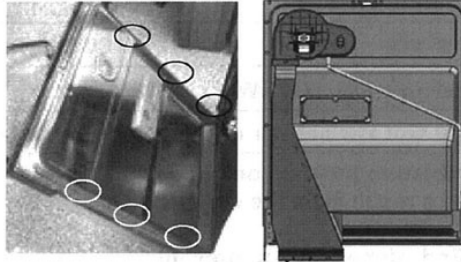
SERVICE BULLETIN-4

Vent to prevent condensation

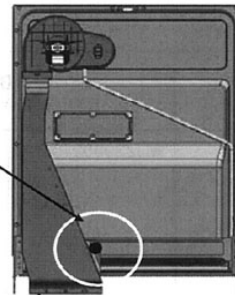
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※ To replace vent, follow the steps below.

a) Remove front door by unfasten 6 screws

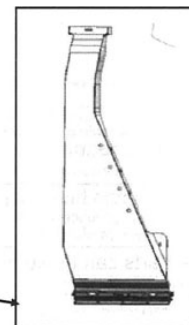
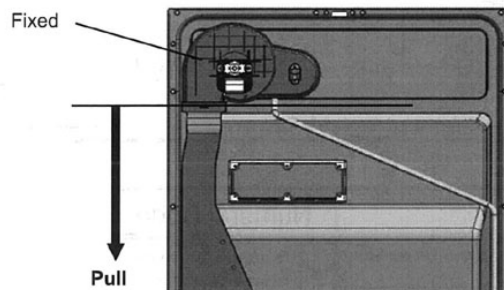


b) remove screw securing vent



c) Remove old vent from blower assembly by pulling down.

Note: Only the vent should be removed, motor assembly is fixed and it should not need to be removed for this process.



d) Install new vent and reassemble in reverse order