Product Training

STEAM DISHWASHER

LDF9810ST





No Solicitation

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LG supplies this training class for the benefit of all in attendance, we ask your assistance in keeping this a professional meeting and to remain focused only on the technical improvement and education of our service network.

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Preliminary

IMPORTANT SAFETY NOTICE

DISCLAIMER

MODIFICATIONS

ESD ISSUE

REGULATORY INFORMATION

Slide Number

Page in Training Manual

Preliminary

COMPLIANCE

The responsible party for this device's compliance is:

LG Electronics Alabama, Inc. PO Box 240007 Huntsville, AL, 35813

Safety Tips

- Unplug or disconnect the dishwasher before starting repairs.
- Steam is HOT! Use caution when dealing with live steam or hot parts.
- Do not stand on the open door.
- Do not allow children to play in the dishwasher.
- Do see the rest of the safety tips on page 4 in the training manual.

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 35813

ATTN: CIC

Specifications

ITEM

SPECIFICATION

Rated Input 120 V_{AC}, 60Ø

Installation Built-in

Capacity 14 place settings

Dimensions (inches) 23% X 25 X 33%

Weight (pounds) 128

Door Color Black, White, Stainless

Tub Stainless Steel

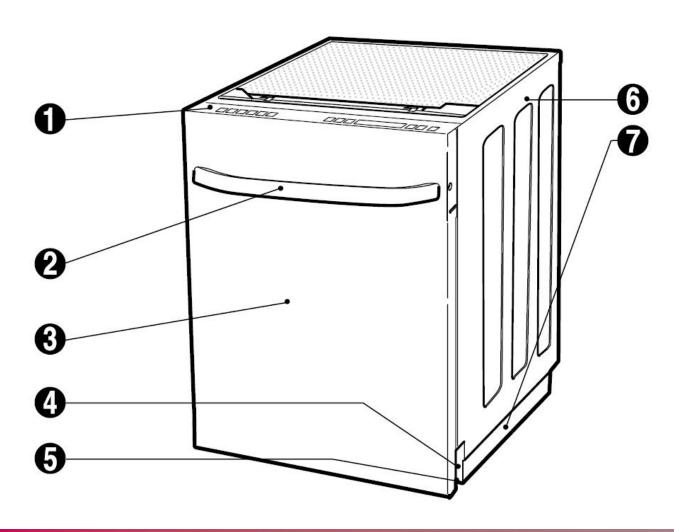
Control Electronic

Programs 6 Cycles

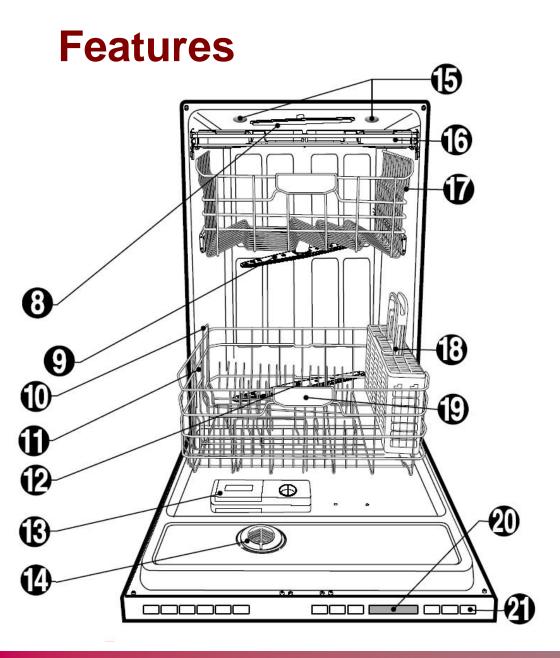
Features

Ultra Large Capacity Removable Cutlery Rack Slim Direct-Drive Motor Hybrid Drying System Vario Spray System Self-Cleaning Filter Dual Intensity™ Wash Cycle Steam Washing and Steam Delicate™ Light Tough Buttons and Blue LCD Auto-Off

Features

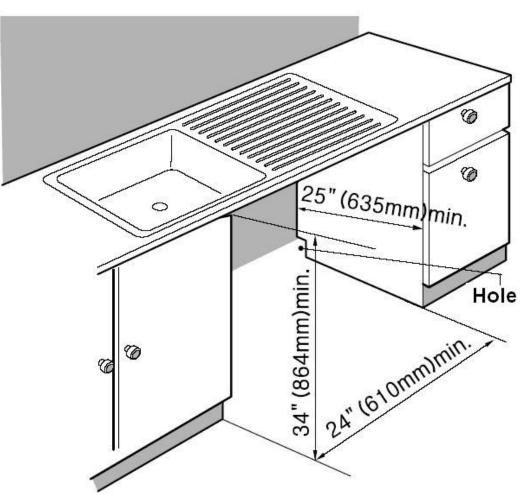


- 1. Control Panel
- 2. Door Handle
- 3. Front Cover
- 4. Lower Cover
- 5. Leveling Foot
- 6. Side Cabinet
- 7. Base



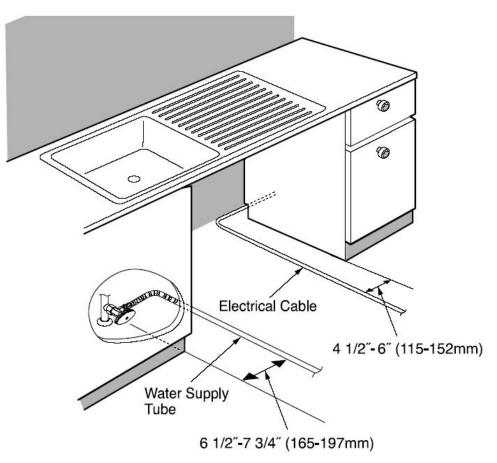
- 8. Top Spray Arm
- 9. Upper Spray Arm
- 10. Removable Tines
- 11. Steam Nozzle
- 12. Lower Spray Arm
- 13. Dispenser(Detergent / Rinse Aid)
- 14. Vapor Vent Cover
- 15. Tub Lamps (IllumiTub™)
- 16. Cutlery Rack
- 17. Upper Rack
- 18. Cutlery Basket
- 19. Lower Rack
- 20. Blue LCD Display
- 21. Power Button

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.



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 VAC 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, and 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 Installation

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 stored. This kit includes a cordset, a flexible water supply line, and the elbow connector necessary to connect it.

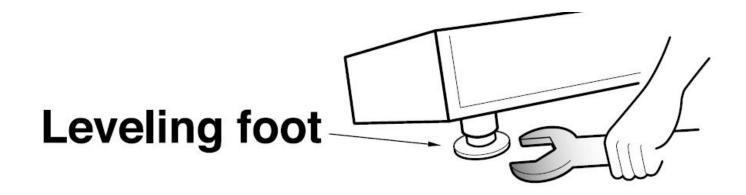
Using a cordset requires an electric outlet under the sink accessible when the dishwasher is installed. The cordset makes it easier to disconnect the dishwasher from power while working on it and makes removal and replacement easier. As stated earlier, installation requires a properly fused and grounded dedicated circuit.

Water Supply Preparation

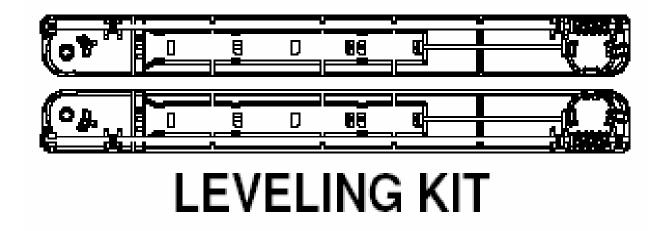
The dishwasher may be connected to either **HOT** or **COLD** water. If the hot water can not maintained below 149° F, the dishwasher must be connected to the cold water supply.

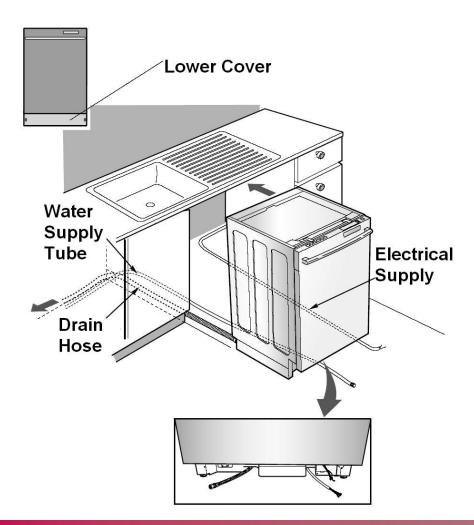
Lay out the water supply line as indicated on page 14 of the training manual. Use sealing tape or joint compound to avoid leaks.

Adjust the legs to the required height for the dishwasher to slide under the countertop and be level. Check the level using a spirit level.



Attach the leveling feet kit to allow for fine tuning when the dishwasher is pushed into place.





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.

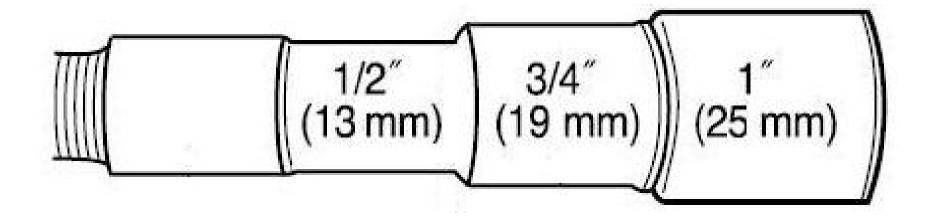
Make the appropriate connections, as directed on subsequent slides.

Drain Connection

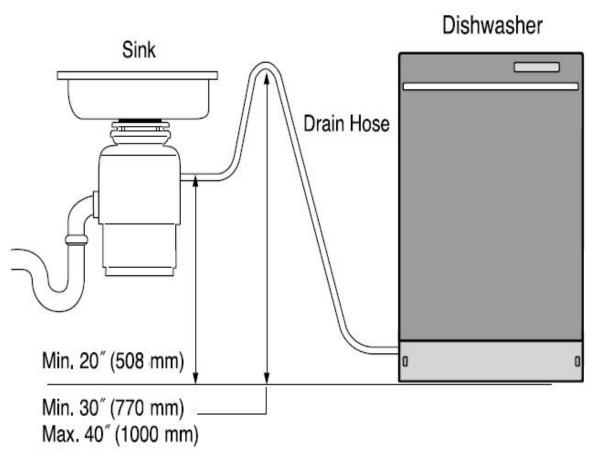
The drain hose must be connected in a manner that meets the local plumbing code. If the end of the drain hose does not fit the available connector, an adapter may be obtained from a local hardware or plumbing supplier.

Drain Connection

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

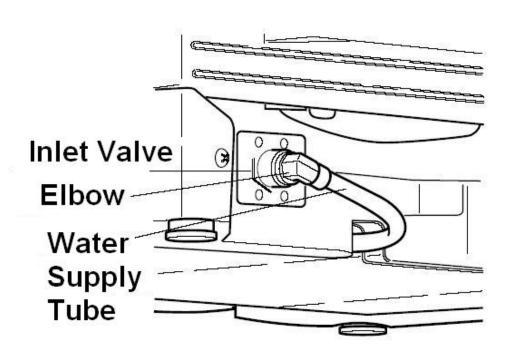


Drain Connection



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 tail piece 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.

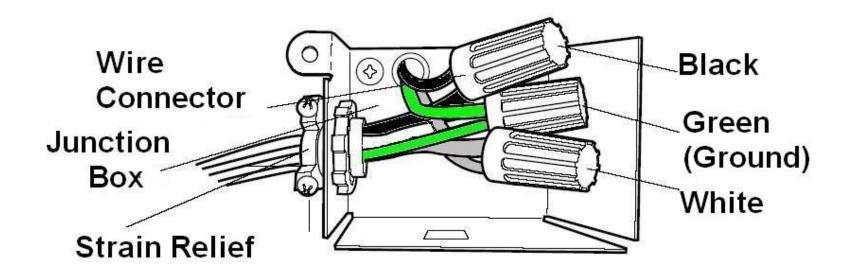
Connect the flexible supply tube to the elbow.

Use sealing tape to make all connections.

Make sure the supply line is not kinked.

Electrical Connection

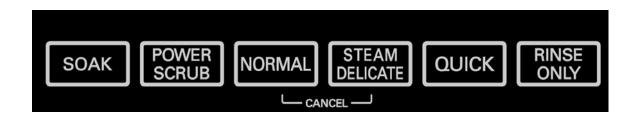
Use wire connectors and replace the cover on the junction box. (12/2 w/ ground, 20-amps)



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.
- 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.



SOAK Heavily soiled loads, with cooked-on foods

POWER SCRUB Normal soil level, everyday loads

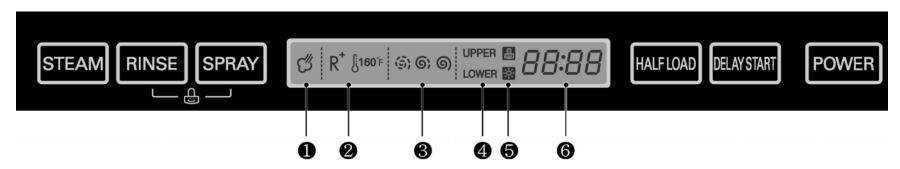
NORMAL Normal soil level, everyday loads

STEAM DELICATE Washing delicate items, crystal, stemware

QUICK Light soil level, recently used dishes

and cutlery

RINSE ONLY Rinses only, no washing



STEAM Adds steam to SOAK, POWER SCRUB,

and Normal cycles

RINSE Pressing cycles through Sanitary, Extra Rinse,

or both

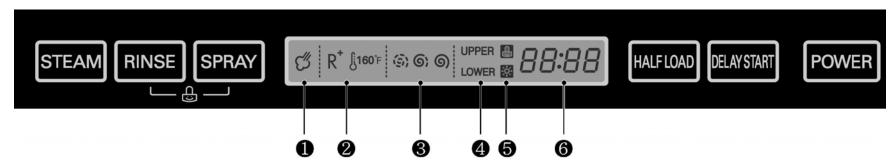
SPRAY Pressing cycles through Strong, Medium,

or Soft spray

HALF LOAD Pressing chooses either upper or lower rack

instead of both

continued



DELAY START

Each press delays the start by one hour up to 24 hours

CHILD LOCK

Press and hold to engage/disengage

CANCEL

Press and hold **STEAM DELICATE** and **NORMAL**

continued













6







Steam option indicator – blinks if selected

Rinse indicator – blinks if selected

Spray indicator – blinks if selected

Half load indicator

Child Lock – illuminated when engaged

Rinse Aid – illuminated when refill is required

Time remaining before cycle ends

Programs

Cycle	WASH		RINSE				Water	Time	Option	
	Pre-Wash	Main Wash	Rinse 1	Rinse 2	Heating Rinse	DRY	(gal/L)	(min)	Rinse	Steam
SOAK	120 ℉	140~149℉			162℉		5.5~9.2/ 21~35		Usable	Usable
								143~191		
	49 ℃	60~65 ℃			72 ℃					
POWER SCRUB		131~145℉			154℉		5.5~9.2/ 21~35	123~171	Usable	Usable
		55~63℃			68 ℃					
NORMAL		113~140℉			149℉		2.6~6.9/ 10~26		Usable	Usable
								110~135		
		45~60℃			65 ℃					
STEAM DELICATE		113~120℉			154 ℉		5.5~6.9/ 21~26	93	Usable	Usable
		 			68℃					
QUICK		115℉			140 ℉		5.5 / 21 74		Usable	Disable
								74		
		46 ℃			60℃					
RINSE ONLY		 		i !						
							1.3 / 5	14	Disable	Disable

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.

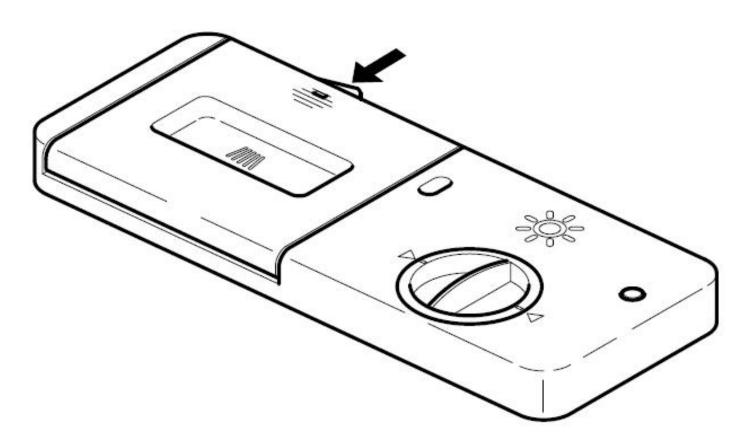
Dual Intensity Spray Wash

- 1. Press and hold **SPRAY** to illuminate the indicator.
- 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.

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.

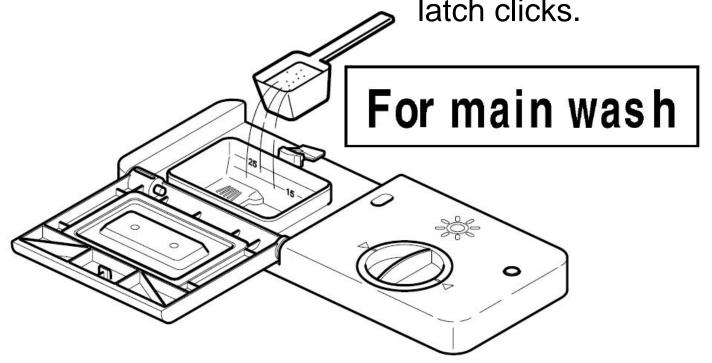
If the dishes are only moderately dirty, it might be possible to use less detergent.

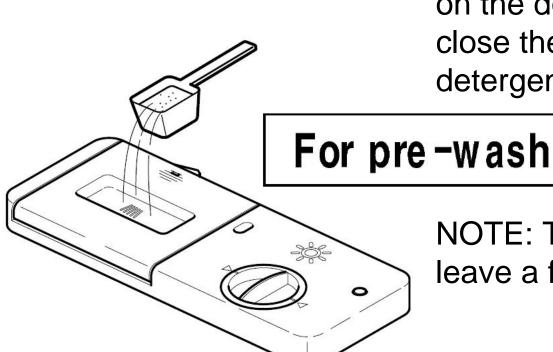
Press the latch button to open the detergent chamber.



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

Close the cover and be sure the latch clicks.





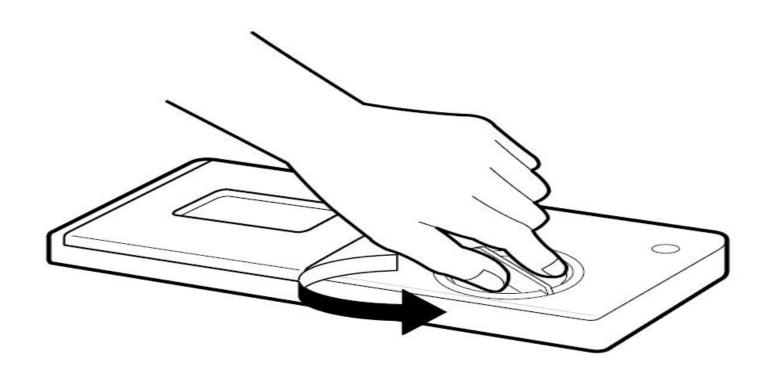
If pre-wash cycle is selected (in SOAK or POWER SCRUB only), add the appropriate amount of pre-wash detergent in the recess on the door cover. When you close the dishwasher door, the detergent will fall into the tub.

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

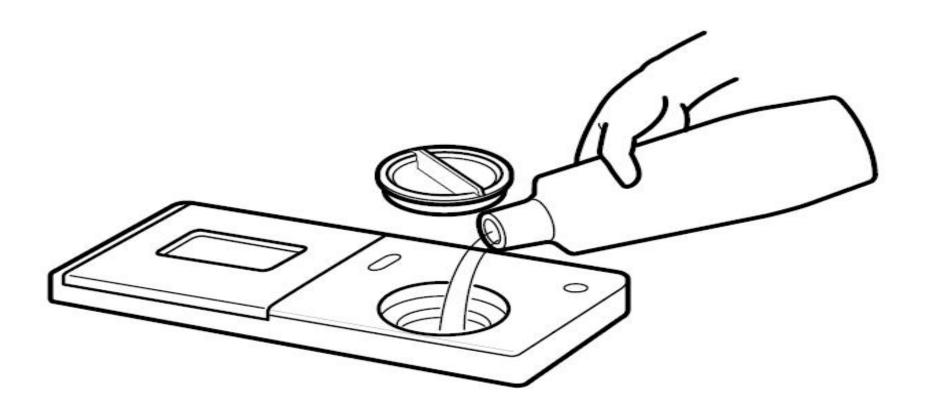
Detergent Chart

CYCLE	Amt. Detergent	
Soak	Full (0.35 oz.)	3/4 full (1.05 oz.)
Power Scrub	Full (0.35 oz.)	³ / ₄ full (1.05 oz.)
Normal	None	½ full (0.7 oz.)
Steam Delicate	None	½ full (0.7 oz.)
Quick	None	½ full (0.3 oz.)
Rinse Only	None	½ full (0.7 oz.)

Turn the round cap counterclockwise and remove it.

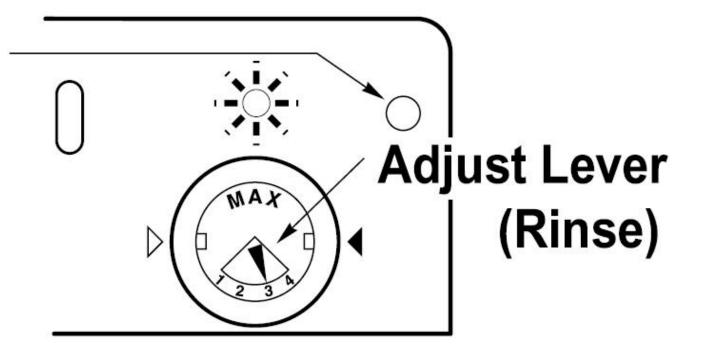


Fill the reservoir. It holds 4.8 oz. (145 ml) Replace the cap and lock it.



Adjust the rinse-aid setting as necessary.

Rinse-Aid Indicator



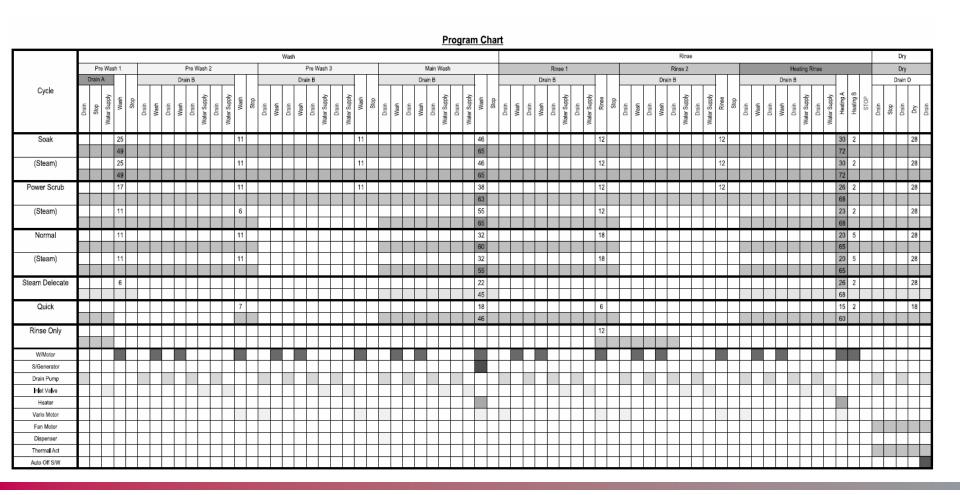
The factory setting for rinse aid dispensing is 3.

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 when the level is low at the start of a load.

Program Chart



Test Mode

BUTTON	The number of pushing button	Top Display	Load and Check	king points	Door open/ closed
Rinse + Spray + Power	1 TIME	0n:3H / 0U:00	All LEDs are lit		Both
Soak	1 TIME	00:00	All LEDs are lit		Both
Power Scrub	1 TIME	11:11	All LEDs a	re lit	Both
Normal	1 TIME	22:22	All LEDs a	re lit	Both
Steam Delicate	1 TIME	33:33	All LEDs a	re lit	Both
Quick	1 TIME	44:44	All LEDs a	re lit	Both
Rinse Only	1 TIME	55:55	All LEDs a	re lit	Both
Steam	1 TIME	66:66	All LEDs a	re lit	Both
Rinse	1 TIME	77:77	All LEDs a	re lit	Both
Spray	1 TIME	88:88	All LEDs a	re lit	Both
Half Load	1 TIME	99:99	All LEDs are lit		Both
	1 TIME	Steam generator Temp (°C)	Steam generator Thermistor	All LEDs	Both
	2 TIMES	0n:H1	Steam generator Heater (for 1.2 sec)	All LEDs	Closed
	3 TIMES	0n:33	Drain Pump	All LEDs	Both
	4 TIMES	① Frequency	Inlet Valve	All LEDs	Closed
	5 TIMES	0n:35	Dispenser	All LEDs	Closed
Delay start	6 TIMES	0n:36	Sump Heater (for 10 sec)	All LEDs	Closed
1 1 1	7 TIMES	0n:37	Fan Motor	All LEDs	Closed
	8 TIMES	0n:38		All LEDs	Closed
	9 TIMES	Sump Temp (°C)	Sump Thermistor	All LEDs	Both
	10 TIMES	2 Soil level	Soil sensor	All LEDs	Both
	11 TIMES	0n:3b / Motor RPM	Wash Pump	All LEDs	Closed
	12 TIMES	Steam generator Water level	③H<50↑/L>200↑	All LEDs	Both
	13 TIMES	0n:3d	Lower Nozzle (Vario)	All LEDs	Closed
	14 TIMES	0n:3E	Upper Nozzle (Vario)	All LEDs	Closed
	15 TIMES	0n:3F (RPM, Frequency)	W/Pump+Vario+ Heater (for 1min)	All LEDs	Closed

① Normal water level: 270 ~ 275

² Pure water: more than 130

³ H: High water level / L: Low water level

ERROR CODE	POSSIBLE CAUSE	SOLUTION
	Water supply valve closed Water supply shut off Inlet hose kinked Water pressure low	Check valve
INLET ERROR	(below 10 psi) Inlet valve defective	Check resistance of
Water not to normal level after	Thet valve defective	valve (950~1,300Ω)
10 minutes' fill	Inlet valve filter clogged	Clean the inlet filter
time	♣Hall sensor defective	Check frequency in test mode (page 13)
	Input impeller is bound	Replace air breaker

ERROR CODE	POSSIBLE CAUSE	SOLUTION
DRAIN ERROR	 Drain hose kinked or blocked Wiring connection defective 	 Remove the kink or blockage Check the wiring connection
Not completely drained after 5 minutes' drain time	 Drain outlet of sump blocked Drain pump, drain motor, or drain circuit is defective 	 Check the sump for blockage Measure the resistance of drain motor (20 ~ 40 Ω) Replace motor or repair
.DF9810ST – Steam Dishw	asher 45	circuit T-18 🕕 L(

ERROR CODE	POSSIBLE CAUSE	SOLUTION
	 Water leakage in hose connections 	Replace hose connections
LEAKAGE ERROR	Water leak from damageSump seal leakage	Repair damageReseat or replace sealAdjust hose to
Excessive motor RPM due to water leakage	Drain hose not high enough	meet installation requirements
	 Washing pump impeller is damaged or worn 	 Replace impeller of washing pump

ERROR CODE	POSSIBLE CAUSE	SOLUTION
产三	Inlet valve defectiveMain board defective	Replace inlet valveReplace main board
FILL ERROR		
Excess water supplied and drain pump runs automatically		

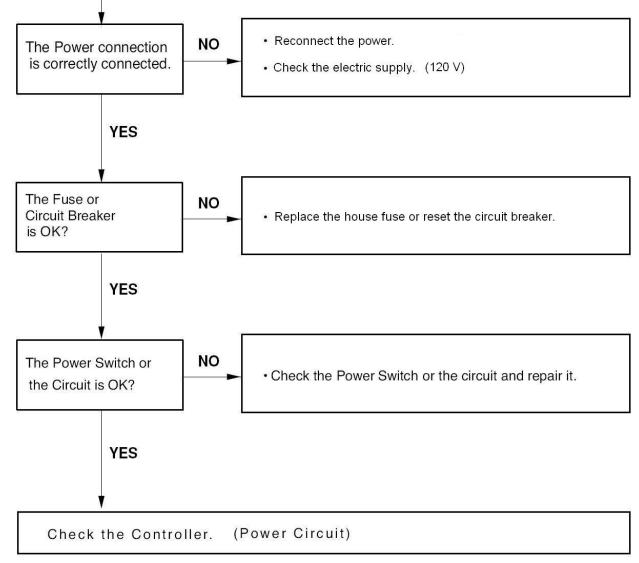
ERROR CODE	POSSIBLE CAUSE	SOLUTION
上上	 Inlet water temperature too hot (over 194° F or 90 °C) 	 Check water temperature using TEST MODE (See Page 13.)
THERMAL ERROR Water not to	 Wiring connection defective 	 If temperature is displayed, adjust water temp. to 120° F (40° C).
normal level after 10 minutes' fill time	Thermistor defective	 If temp. is not displayed, check wiring connections and resistance of the thermistor (11~14 KΩ @ 77° F or 25° C).

ERROR CODE	POSSIBLE CAUSE	SOLUTION
	Wiring connection looseWash pump impeller locked	Check wiring connectionsCheck wash pump for blockage
Motor is locked or hall sensor is defective.	 Wash motor rotor is locked Blade is locked 	 Replace wash motor Check the sump for blockage Replace the main board

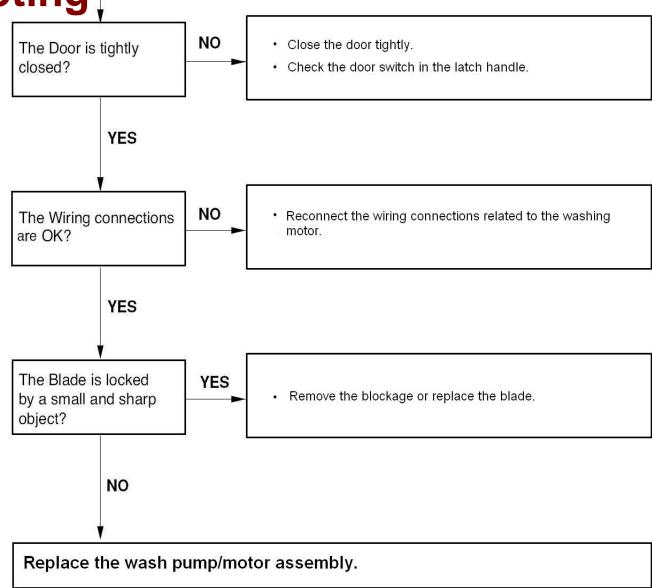
Steam Generator Error Codes

ERROR CODE	CONDITION	SOLUTION
00 : EO	Normal	
00 : E1	Steam generator temperature is too high (over 239° F or 115° C)	Check water level sensor and thermistor
00 : E2	Water level sensor failure	Check water level sensor and connection
00 : E3	Water level too low	Check water level sensor and inlet valve
00 : E4	Steam generator temperature is too low (under 158° F or 70° C)	Check heater and thermistor
00 : E5	Normal	

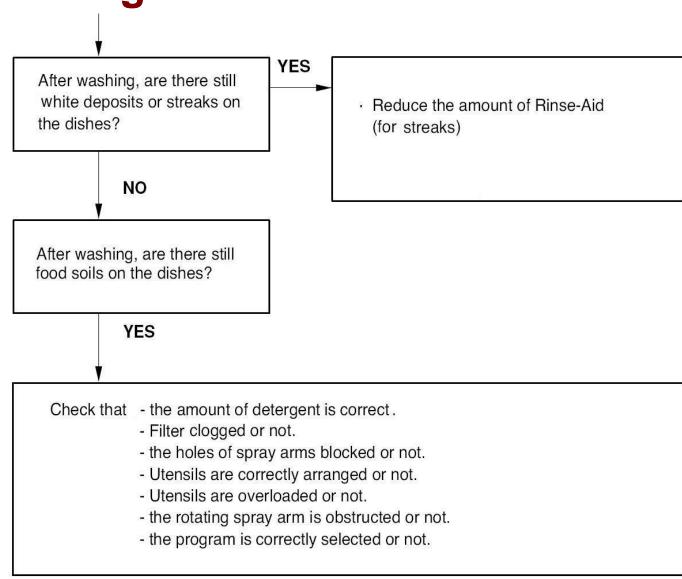
No Power



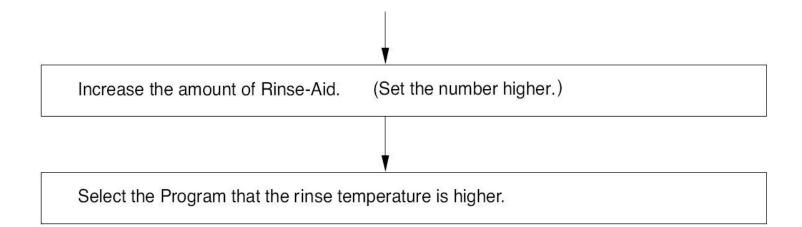
Wash Motor /
Pump Motor
Does Not Run



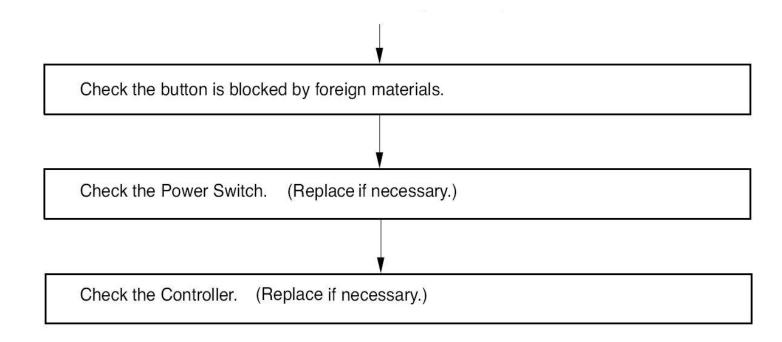
Poor Washing



Poor Drying



Power Does Not Turn Off Automatically At End Of Cycle

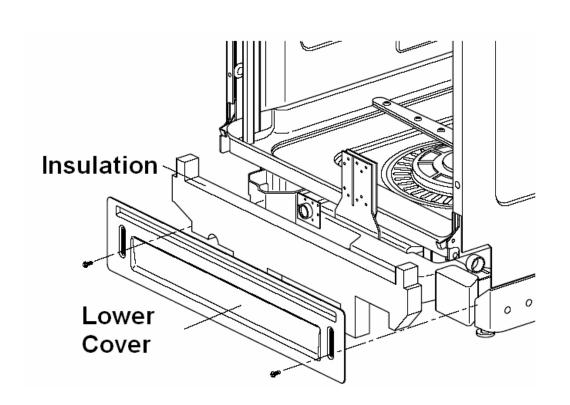


Disassembly and Repair

Before disassembling the dishwasher:

- Unplug the dishwasher or turn off the breaker (or fuse)
 Disconnect the wire if the dishwasher is hard-wired.
- Turn of the water supply
- Remove all dishes and racks
- Disconnect the water supply line to avoid hose damage
- Have some towels ready to catch the spillage from water left in the dishwasher and to keep the floor safe.

Lower Cover and Insulation

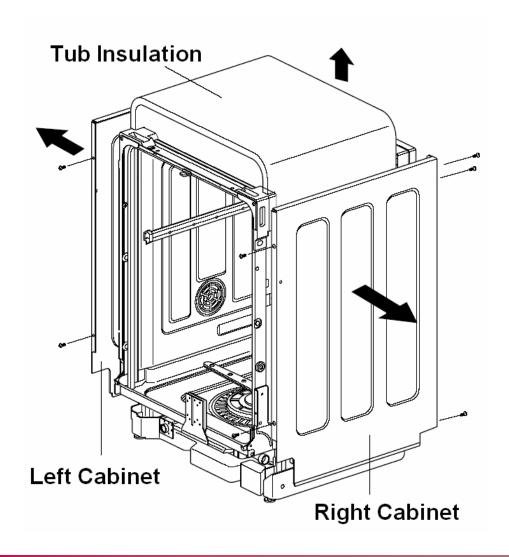


Remove the two screws in the lower cover.

Remove the insulation.

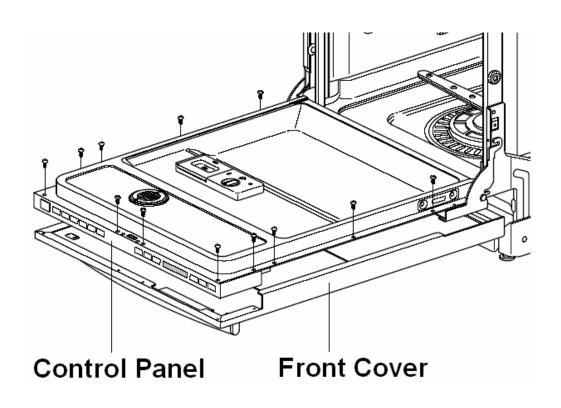
Disconnect the water supply hose and the electric cable if you are removing the dishwasher for service.

Cabinet and Tub Insulation



Right Cabinet – Remove two screws at the front and three screws at the rear. Left Cabinet – Remove two screws at the front and three screws at the rear. Insulation – Remove the insulation blanket carefully by lifting straight up.

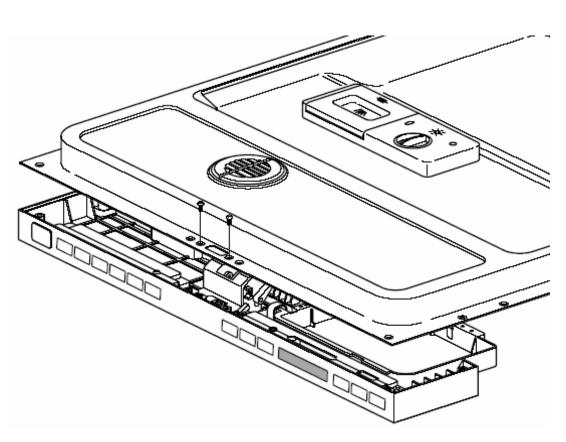
Front Cover



Open the door.

Remove 12 screws (stainless steel).

Control Panel Assembly

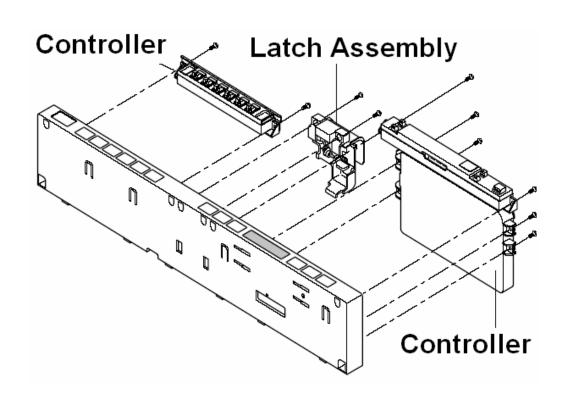


Remove 2 screws (stainless steel).

Remove the wire connections. (Do not reverse at reassembly!)

Remove the latch assembly.

Control Panel Assembly

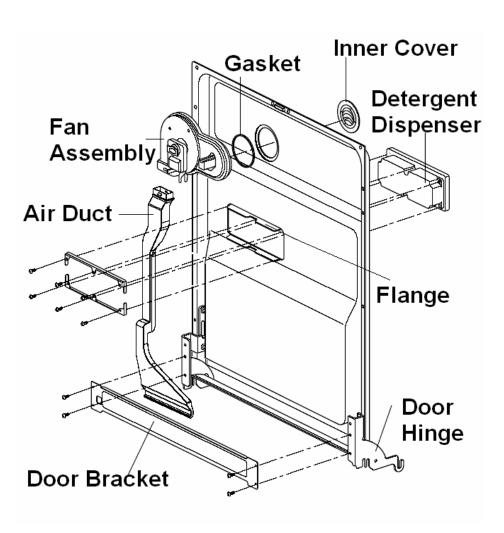


Remove the front display.

Remove 8 screws to take out the controller (main board).

Reassembly is the reverse order of disassembly. Be careful to avoid reversing the connectors.

Fan Assembly



Remove the front cover. (See page 25.)

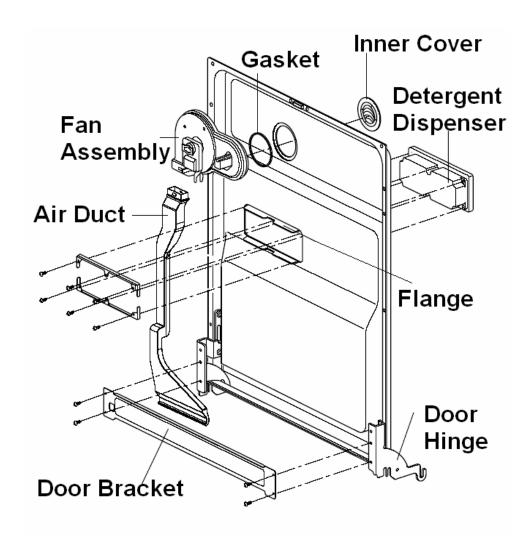
Remove 4 screws and a ground screw for the door bracket.

Remove the wire connections from the fan.

Remove the air duct.

Unscrew the inner cover to remove the fan assembly.

Detergent Dispenser

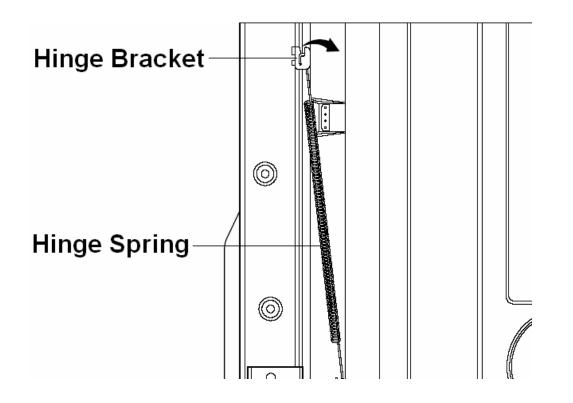


Remove the wire connections.

Remove the 2 brackets (6 screws).

Use a screwdriver to pry the flange up to release the dispenser.

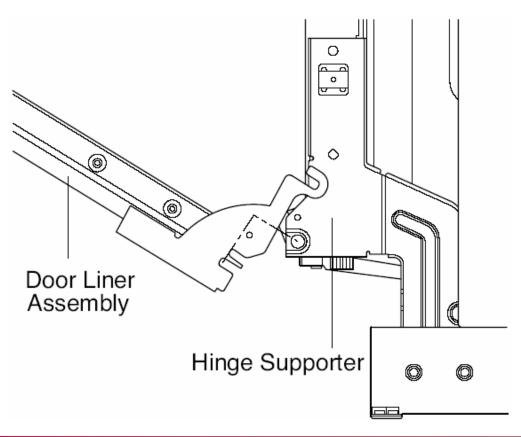
Door Spring (Right and Left)



Pull the spring upward and take it off the hinge bracket.

Take the spring off the hinge.

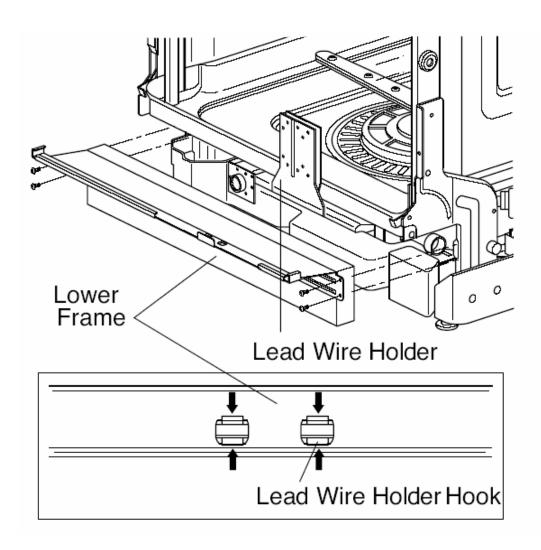
Door Liner



Open the door.

Pull the door liner upward off the hinge supporter.

Lower Frame

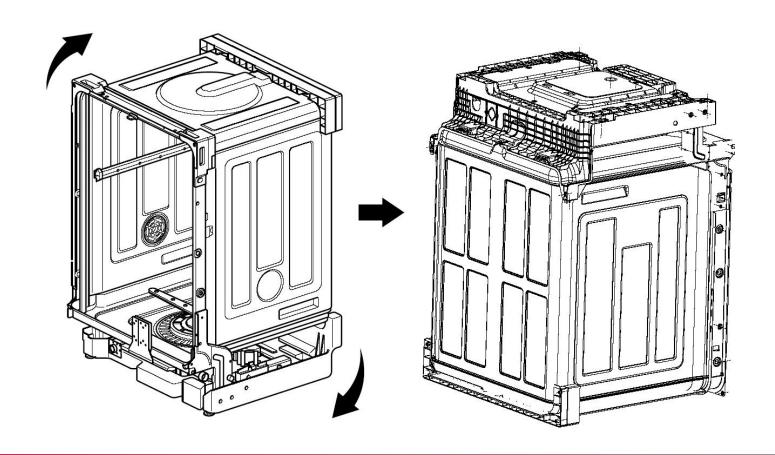


Press the holder hooks as shown.

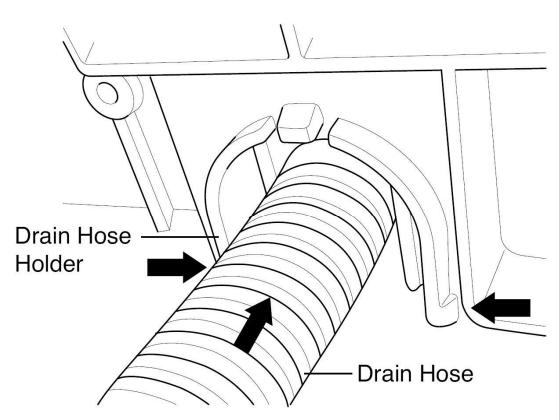
Remove the 4 screws.

Lower Frame

Turn the dishwasher upside-down.



Drain Hose Holder



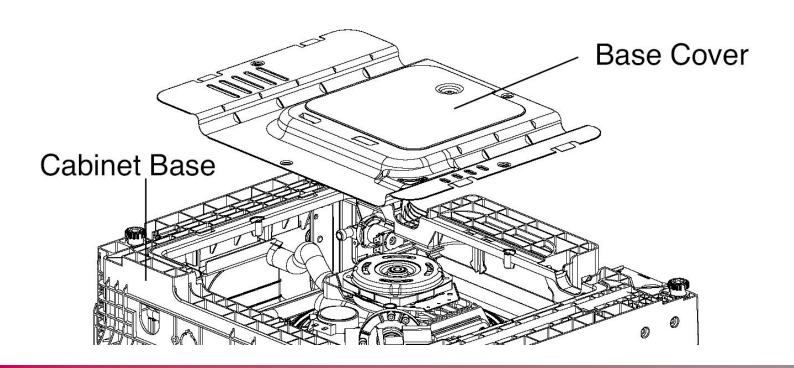
Press the holder hook as shown.

Pull the drain hose and remove the drain hose holder.

Base Cover

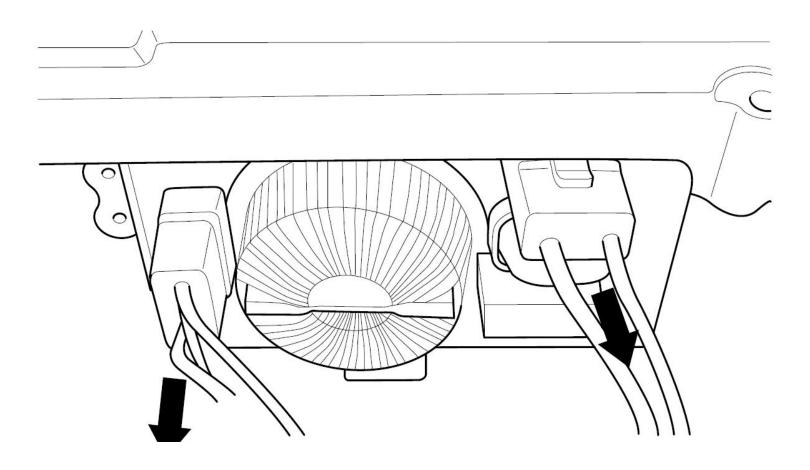
Remove 2 screws.

Lift the base cover out of the base.



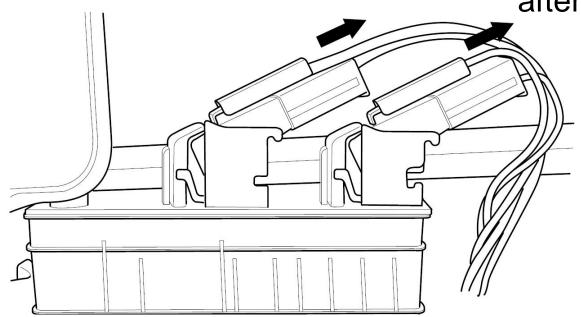
Line Noise Filter

Disconnect both connectors of the line noise filter.



Float Switch Assembly

Remove the connections from the float assembly micro switches. Mark them to ensure you can reconnect them correctly after repairs



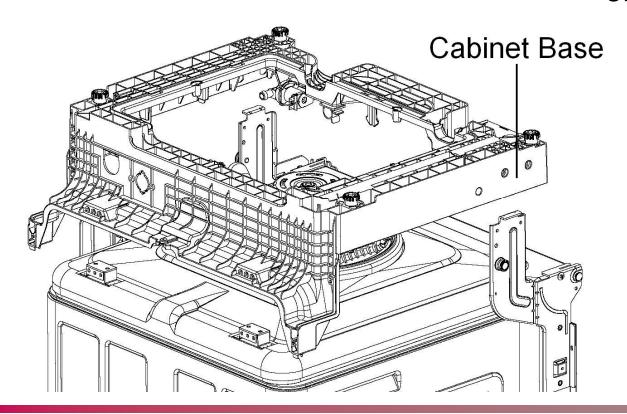
Wiring Diagram

The wiring diagram is attached to the back of the lower cover.

Cabinet Base

Remove 8 screws around the base.

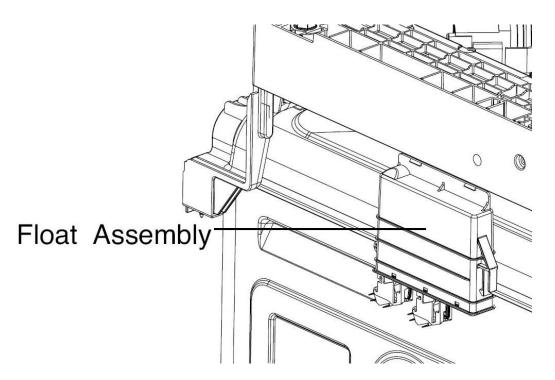
Lift the base upward off the dishwasher.



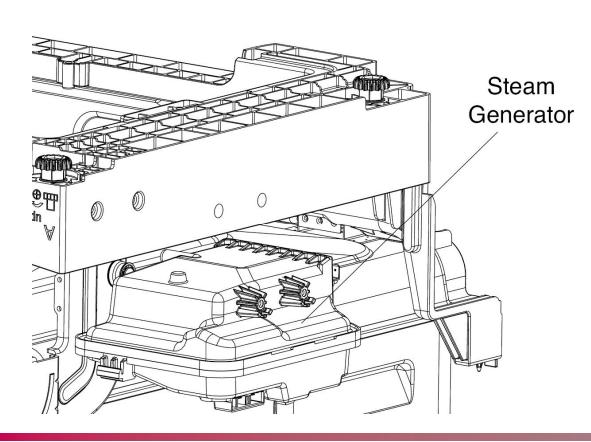
Float Assembly

Press the hook to separate the float assembly.

Pull the float assembly free.



Steam Generator

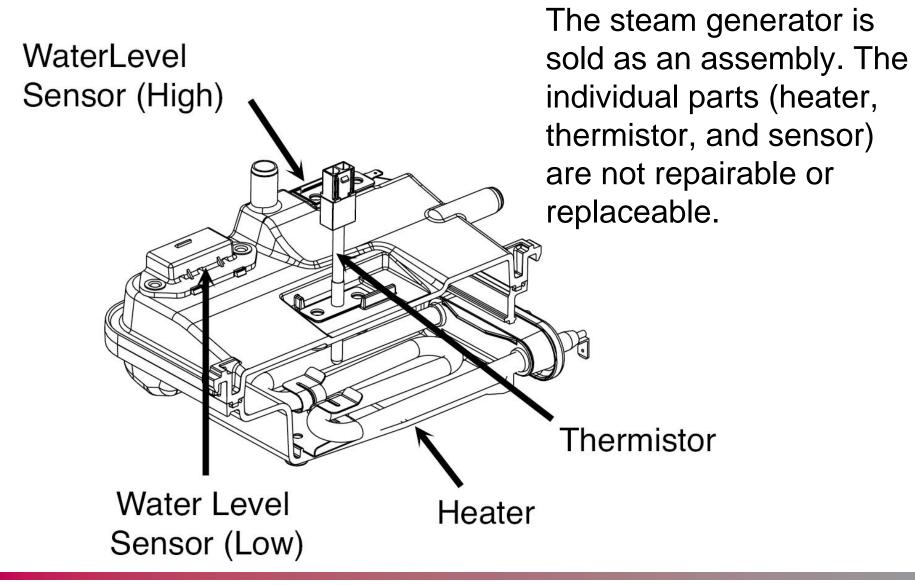


Squeeze the hose clamps and remove the 3 hoses from the steam generator.

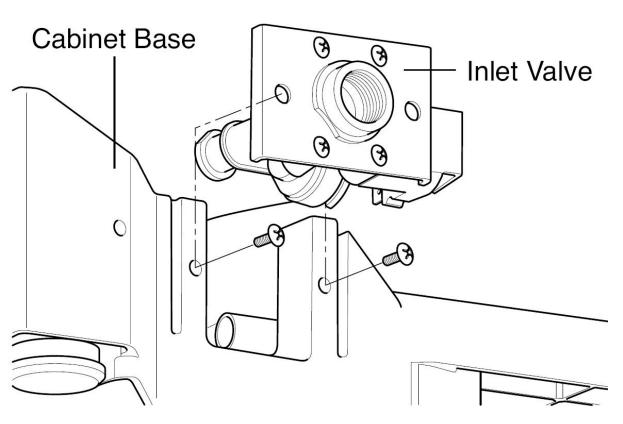
Remove 2 screws to take out the steam generator.

NOTE: Be careful in case the steam generator is still hot or has hot water in it.

Steam Generator



Inlet Valve

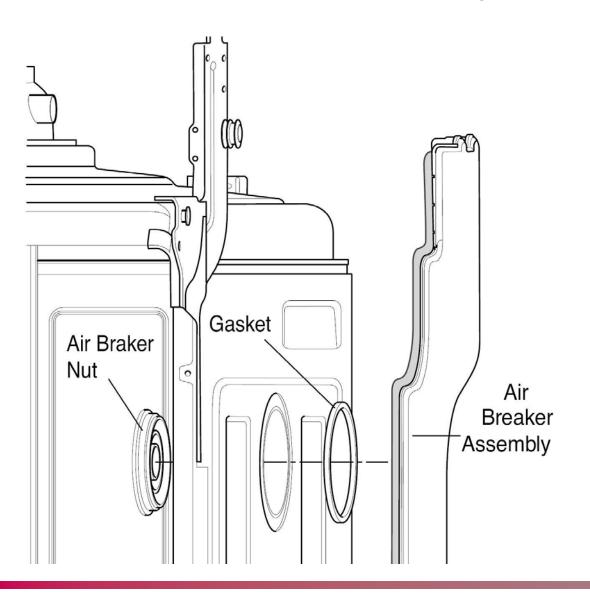


Disconnect the water supply line.

Remove the electrical ground wire.

Remove 2 screws that hold the valve to the base and take out the valve.

Air Breaker Assembly

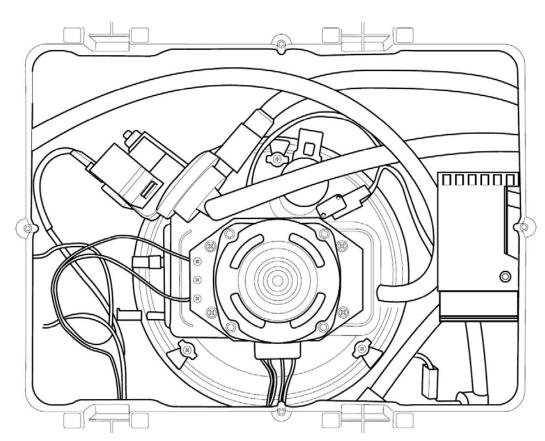


Disconnect three hoses from the air breaker assembly.

Unscrew the cover on the inside of the dishwasher.

Be sure not to lose the gasket (O-ring) that fits between the outside of the tub and the air breaker assembly.

Sump Assembly

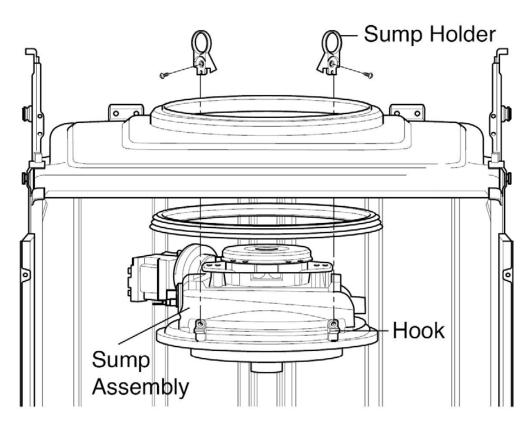


Remove the wiring connections, including the ground wires attached by screws.

Remove the hose connections.

Lift the sump assembly out of the base of the dishwasher.

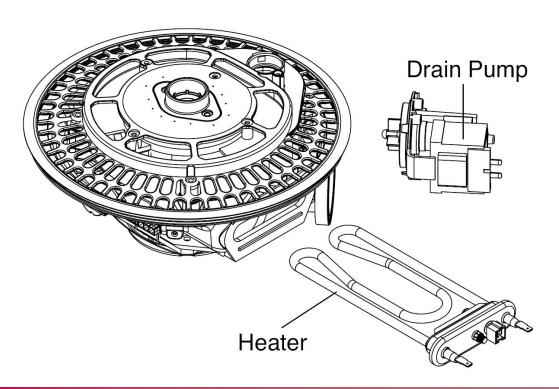
Preliminary



Remove the 2 screws and sump holder clips. Be careful not to let the sump assembly fall into the tub.

Press the hooks gently toward the center of the sump assembly and lower the sump assembly into the tub while supporting it with one hand.

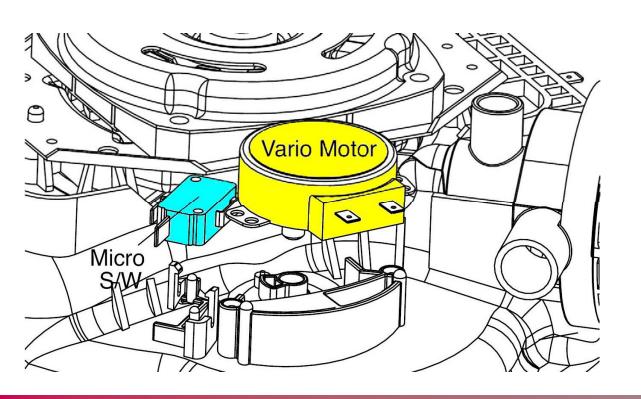
Heater and Drain Motor



Loosen the nut on the heater retainer to the end of the shaft and wiggle the heater out of the sump.

Remove 3 screws and detach the drain pump from the sump.

Vario Motor

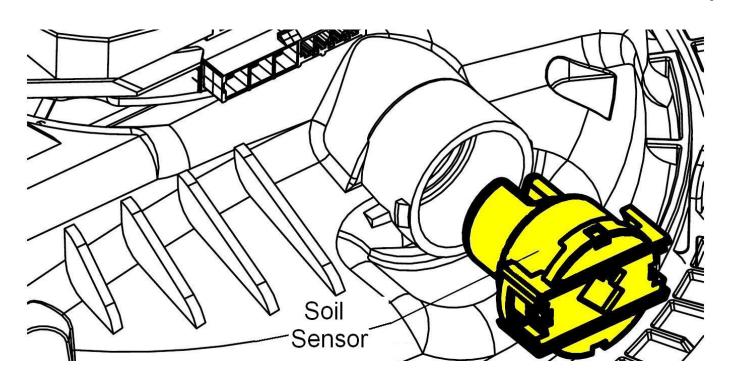


Remove 2 screws that attach the vario motor to the sump.

Remove the vario motor and the micro switch.

Soil (Turbidity) Sensor

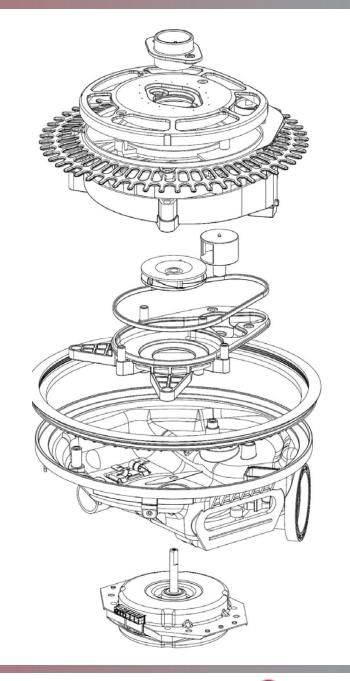
Lift the retaining clips and pull the soil sensor (turbidity sensor) from the sump.



Preliminary

When reassembling the sump. be careful to avoid kinking or damaging the small seals and gaskets inside it.

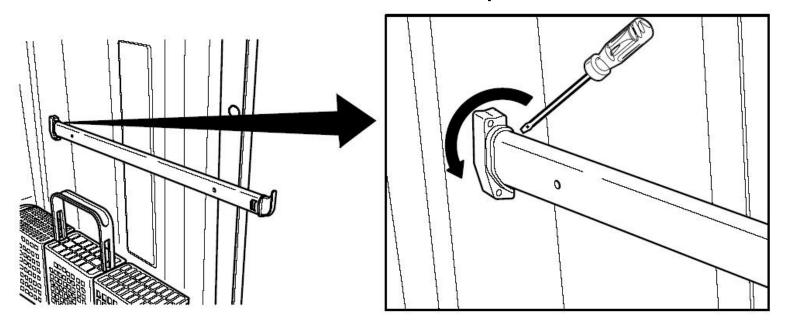
(See page 39 in the exploded view.)



Cutlery Rack Rail

Insert a screwdriver in the gap behind the rail at the back end and pry the end cap off.

It is easily broken, so have a replacement available.

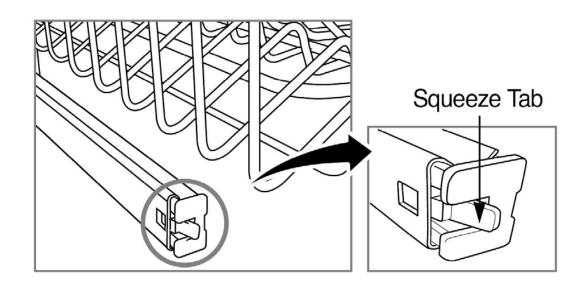


Upper Rack Rail

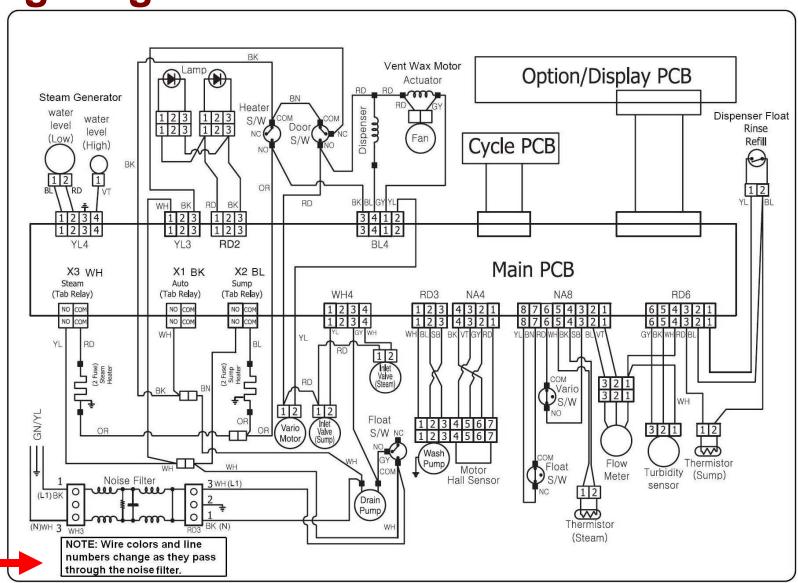
Pull the upper rack out until it stops.

Squeeze the tab of the stopper and pull the stopper out. Be careful the upper rack does not fall out of the rail while you do this.

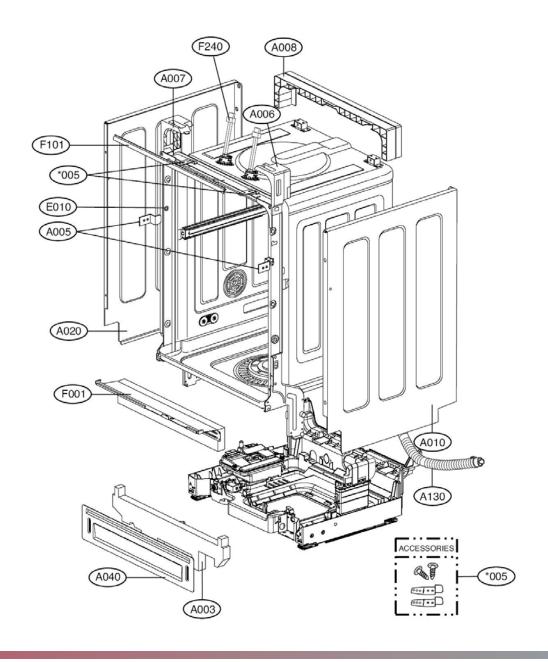
Pull the upper rack out of the slides.



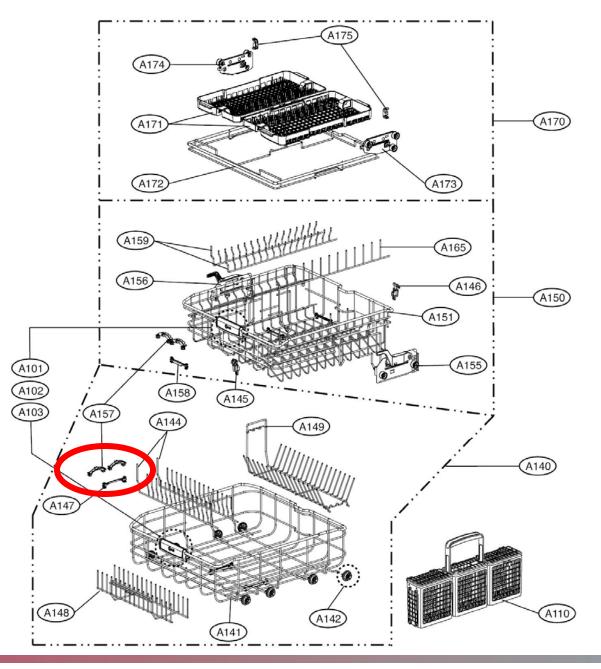
Wiring Diagram



Exploded View



Exploded View



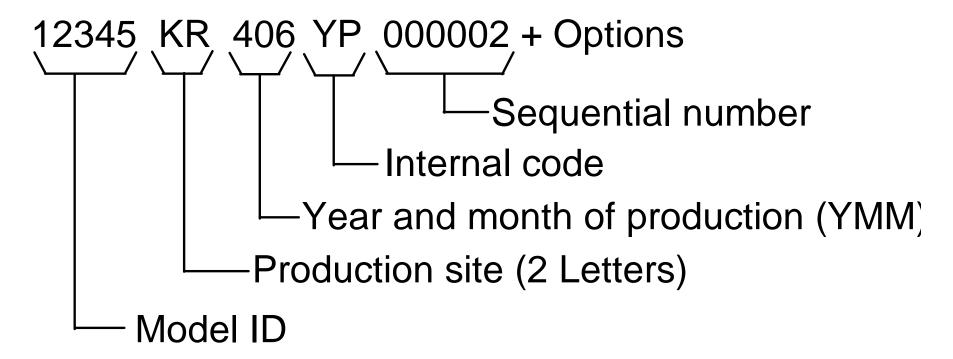
Serial Number (Old Style)

[Example] 801KW3400251 KW 34 00251 **Production Number** [Internal code] Made in Korea Manufactured January 2008

Serial Number (New Style)



New Serial Code (ETA Mid 2008)



Parts List

Loc.	Part Number	Description	Qty.
*001	AFN31666719	Owner's Manual	1
*002	3890DZ3015A	Box, Carton	1
*003	MFL37554802	Manual, Service	0
*005	5001DD4001A	Accessory Assembly	1
A003	ACV34326901	Damper (Insulation)	1
A005	4810DD4002B	Bracket, Top	2
A006	4980ED2015A	Supporter, Holder	Y
A007	4980ED2014A	Supporter, Holder	1
A008	4980ED2018B	Supporter, Holder	1
A010	3090ED1001F	Cabinet	1

3091DD1001F

3551DD2001E

A020

A040

Cabinet Assembly

Cover Assembly, Lower

Ohm's Law and Watt's Law

P = WATTS

Watts = $Volts2 \times Ohms$

Watts = Amperes2 x Ohms

Watts = Volts x Amperes

E = VOLTS

 $Volts = \sqrt{Watts \times Ohms}$

Volts = Watts / Amperes

Volts = Amperes x Ohms

I = AMPERES

Amperes = Volts / Ohms

Amperes = Watts / Volts

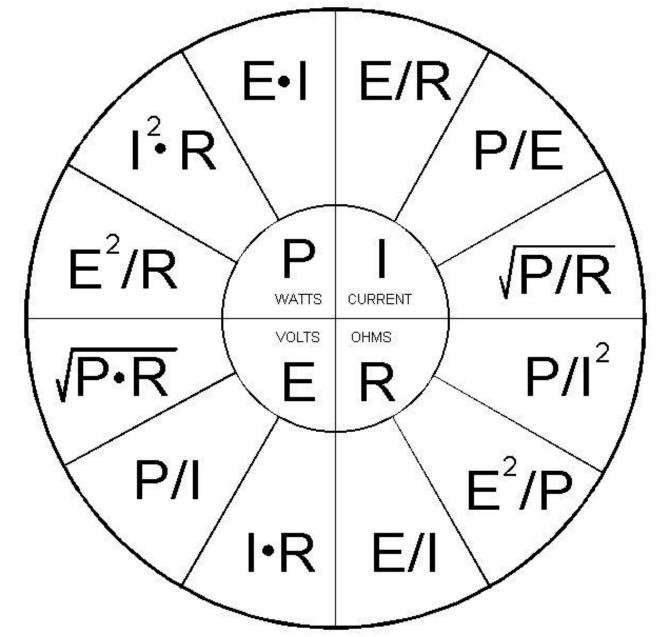
Amperes = \(\sqrt{Watts / Ohms} \)

R = OHMS

Ohms = Volts / Amperes Ohms = Volts / Amperes

Ohms = Watts / Amperes²

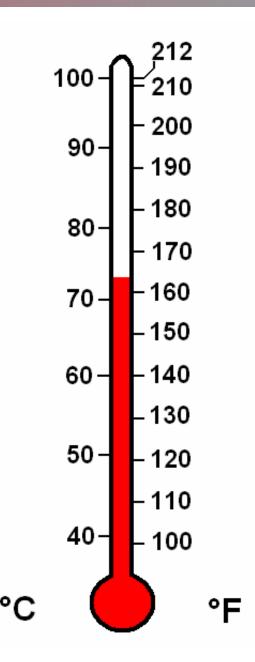
Ohm's Law



Conversion Information

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

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



Service Bulletins

SERVICE BULLETIN

Service Bulletin IDSW20070069





LG Electronics Inc.

nc. Date of issue: 28 May. 2007

Buyer Model: LDS5811, LDF7811, LDF7810, LDF6810, LDF8812

LGE Model: LD-6090, LD-6100, LD-6105, LD-6300, LD-6310

Buyer Name: LGEAI, LGECI Effective Date: 15 March. 2007

Applicable Serial No: 703KWXXXXX ~

Subject: BLDC Motor Magnet Crack

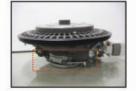
1.Phenomenon: LE Error or Motor shaft locked (Won't Turn)

2.Reason : BLDC Motor Magnet is cracking. It was caused by

chemical attack by the oils used in the manufacturing of the motor.

3.Improvement

- Sump Assembly



P/No:AJH31248602(New) 3485ED1002B(Old)

There are two Sump Assemblies Energy consumption & wash performance was improved Jan. 2007. (Refer to the SVC Bulletin No. IDSW20070074)

- BLDC Motor





Rotor Assy

P/No:4681ED1004A

15 March 2007~

-Core Press Oil improvement -Injection Method Optimization

*	Alphabetic Code	Numeral Code	
Interct	Interchangeable: Old and new ports can be used in products as the bulletin regardless of manufacturing date.	1 to militore bersonmine	
Interchangeability	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.	To improve productivity To improve reliability Change of material or	
-	New parts can be substituted for old parts : Only new parts can be used in products regardless of manufacture date.	dimension 5 Addition	
Code	Not interchangeable : New parts can be used in new products	6 Deletion	

Y.H.KIM

Y.H KIM

Dish Washer Engineering Design Department.

