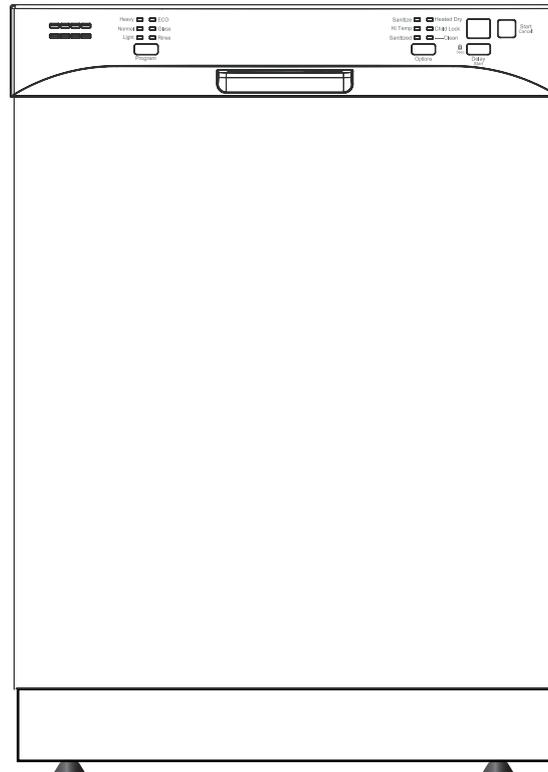


# Dishwasher Use & Care Manual



## 24 inch Built-In Dishwasher



ENB6632PEBB  
ENB6632PEBS  
ENB6632PEBW

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## IMPORTANT SAFETY INSTRUCTIONS

### **WARNING!**

When using the dishwasher, follow basic precautions, including the following:

- Water supply temperature should be 120 F or 149 F.
- Dispose of the discarded appliance and packing material properly.
- The dishwasher must be grounded, or it can result in a risk of electric shock.
- If there is any damage of the dishwasher, please contact your dealer. Do not attempt to repair or replace any part by yourself.

### **WARNING!** To reduce the risk of fire, explosion, or electrical shock, and to prevent damage, or personal injury, observe the following:

- Read all instructions before using the dishwasher.
- The manual does not cover every possible condition and situation that may occur.
- Use the dishwasher only for its intended function as described in this manual.
- When loading items to be washed:
  - Load sharp items and knives so that they are not likely to damage the door seal and tub.
  - Load sharp items and knives with the handles up to reduce the risk of cut type injury.
  - Do not wash plastic items unless marked “dishwasher safe” or the equivalent. If not marked, check with the manufacturer for a recommendation.
  - If the dishwasher drains into a food disposal, make sure the disposal is completely empty before running.
  - Do not operate your dishwasher unless all enclosure panels are in the proper place.
  - Do not tamper with or override controls and interlocks.
-  Do not touch the **HEATING ELEMENT** during or immediately after use, especially if the sanitize option has been selected.
- Do not sit or stand on the door or dish racks of the dishwasher.
- Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for two weeks or more. **HYDROGEN GAS IS EXPLOSIVE**. If the hot water system has not been used for such a period, before using the dishwasher turn on all hot water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use an open flame during this time.
- Do not store or use combustible materials, gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Use only detergents or rinse agents recommended for use in a dishwasher and keep them out of the reach of children.
- Keep young children and infants away from the dishwasher when it is operating.

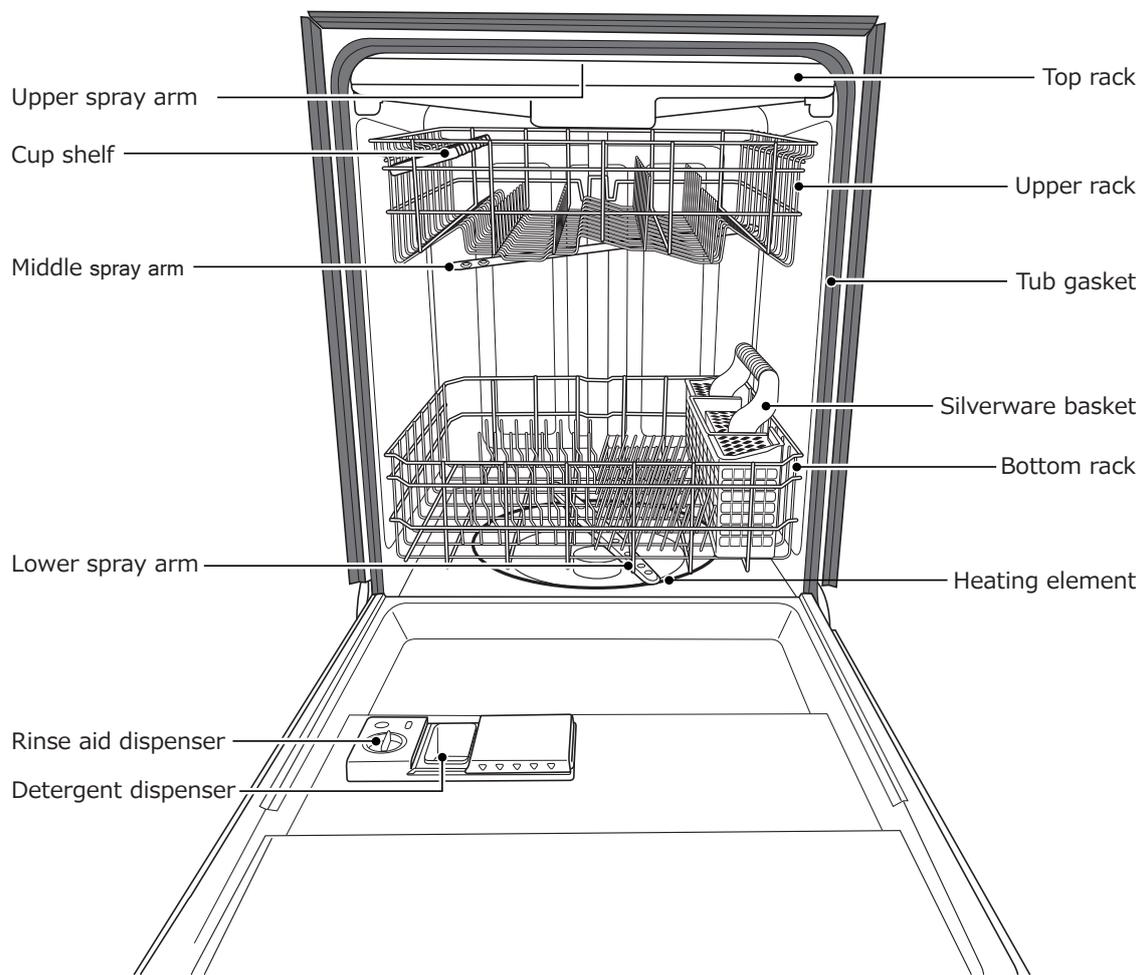
## IMPORTANT SAFETY INSTRUCTIONS

- Do not use the dishwasher if it has a damaged power line or plug. Do not plug the dishwasher into a damaged outlet. Failure to observe these instructions may result in electrical shock.
- Remove the door to the washing compartment when removing an old dishwasher from service or discarding it.
-  Do not touch the **STEAM** on the panel during the washing cycle, especially if the sanitize option has been selected.
- After unpacking the dishwasher, keep the packaging out of the reach of children.
- Failure to follow these instructions can result in death, fire or electrical shock:
  - Electrically ground the dishwasher.
  - Connect the ground wire to the green ground connector in the junction box.
  - Do not use an extension cord.

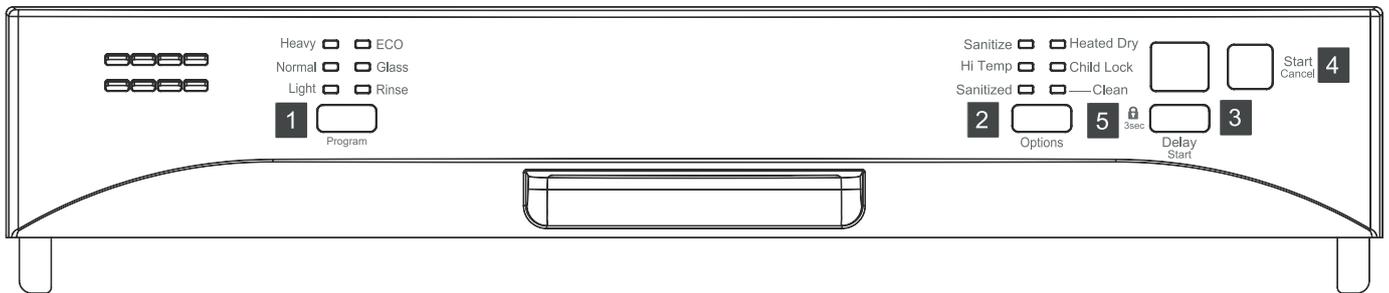
SAVE THESE INSTRUCTIONS

## DISHWASHER FEATURES

Capacity	14 place settings
Dimension	606x650x857mm(WxDxH)
Power Supply	120 V, 60 Hz
Rated Power Usage	Wash motor 50 W Heater 840 W
Water Feed Pressure	20 - 120 psi (138 - 828 kPa)



## OPERATING INSTRUCTIONS



### 1 Program

With the dishwasher door closed, you can press the Program button to select a wash cycle. A light on the display will indicate which cycle has been selected.

### Wash Cycle Selections

#### Heavy Wash

This cycle is for hard-to-clean, heavily soiled dishes, pots, pans, and dishes.

#### Normal Wash

This cycle is for regularly soiled dinner dishes or silverware.

#### Light Wash

This cycle is for lightly soiled and pre-rinsed dishes and silverware.

#### Eco

This cycle is for all items. It can determine the condition of soil on the dishes and initiate the optimal cycle to obtain the best cleaning performance.

#### Glass

This cycle is for delicate dishes or glasses.

#### Light Wash

This cycle is for pre-rinsing dishes or glasses. This is only a rinse that keeps food from drying on your dishes and reduces odor buildup in your dishwasher until you are ready to wash a full load. Do not use detergent.

### 2 Options

When the wash cycle has been selected, you can choose the option by pressing the "Options" button.

### About the Options

#### Sanitize

To sanitize your dishes and glassware, select the Sanitize option. When selected, the light above the pad will turn on and remain on until end of cycle. The water temperature in the final rinse will be raised. The option is available in Heavy, Normal, Light and ECO wash.

#### Hi-Temp Wash

This option can increase the water temperature in the main wash and rinse. This increase in water temperature helps the dishwasher detergent remove food, grease and soil from dishes more effectively. The option is available in Heavy, Normal, Light and ECO wash.

#### Heated Dry

This option is available on all cycles except rinse only. The Heated Dry option, in combination with rinse aid, will enhance drying performance. You can turn this option off by pressing Heated Dry so the light goes off during the period of the washing.

## OPERATING INSTRUCTIONS

### 3 Delay Start

To delay the start of a selected cycle, press the Delay Start button until the desired delay time shows in the LED indicator. This allows you to automatically start your dishwasher for a 1 to 24 hour delay.

To cancel the Delay Start option and begin the cycle before the delay period is over, press the Start/Cancel button.

### 4 Start/Cancel

Push door firmly closed. The door latches automatically. Select the wash cycle and options desired, the indicator light above the button will turn on. To start, press the Start/Cancel button once, the light will turn on and the wash action begins. To cancel when a cycle is running, press Start/Cancel button once and the dishwasher will start a 60 second drain and then shut off. At the end of the drain, you can select the desired cycle.

When you want to load more dishes or pause the dishwasher while it is already running, make sure to open the door slowly and carefully, as there is a possibility of injury from the hot steam inside the dishwasher. You can add more dishes before the main wash starts. Open the door and check the detergent dispenser. If the main wash section of the detergent dispenser is still closed, you can add items. If the door is opened while the dishwasher is running, a safety mechanism is activated and stops the cycle.

### 5 Child Lock

You can lock all controls to prevent children from accidentally changing the dishwasher cycle or starting the dishwasher.

Press and hold the Delay Start button for 3 seconds, the lock graphic light will turn on.

To unlock the control, press and hold the Delay Start button for 3 seconds, the lock graphic light will turn off.

### Indicator Light

#### Sanitized

When the "sanitize" option is selected, the temperature of the water will reach a maximum of 70°C (158°F).

**Certified residential dishwashers are not intended for licensed food establishments. The sanitize cycle is NSF certified.**

**Warning: The sanitize option is available with Heavy, Normal, Light and ECO cycle.**

#### Clean

The clean light will turn on at the end of the cycle.

### Status Window

#### 01-24

If the Delay Start option is selected, the number of delay start hours shows in the Status Window. If the dishwasher is working and the wash cycle time is more than an hour, the number of hours and left, shows alternately, in Status Window.

#### CL

Flashes once the program has been entered and the Start/Cancel key is pressed. It also flashes if the door is opened during a wash cycle. Close the dishwasher door to begin or continue a wash cycle.

#### MINUTES

Number of minutes left in a cycle (0-59 or 1H-2H). It shows hours and minutes alternately.

**Note :** In standby mode, if there is not any button operation or door opening and closing operation for 3 minutes, the dishwasher will enter a power-saving state, all displays will be turned off. If there is any button operation or door opening and closing operation, the display will be turned on, and the time will be counted again for 3 minutes.

# OPERATING INSTRUCTIONS

## NOTE

The remaining time could suddenly increase or drop several minutes. This means the Smart Sensor has checked the soil level and determined if additional water fills are needed, or water fills can be deleted.

Program	Description of Cycle	Detergent(g)	Water(L) gal(L)	Running time (min)	Running time with Hi temp(min)	Running time with Sanitize (min)
<b>Heavy</b>	Pre Wash	0/9.9	6 gal (22.8L)	140	150	170
	Pre Wash					
	Wash 118°F(48°C)					
	Rinse					
	Rinse					
	Rinse 136°F(58°C)					
Drying						
<b>Normal</b>	Pre Wash	AHAM/CU Test : 0/19.9 DOE Test : 0/9.9  CU Test : 15/15	2.9-6 gal (10.8~23.0 L)	105~135	130	135~165
	Auto 108-118 °F (42~48°C)					
	Rinse 122-136°F (50~58°C)					
	Drying					
<b>Light</b>	Pre Wash	0/9.9	3-5.1 gal (11.4~19.3 L)	115~120	125~130	145~150
	Auto 108°F(42°C)					
	Rinse 136°F(58°C)					
	Drying					
<b>ECO</b>	Pre Wash	0/9.9	5.1 gal (19.3 L)	105	115	150
	Pre Wash					
	Wash 104°F(40°C)					
	Rinse					
	Rinse 122°F(50°C)					
Drying						
<b>Glass</b>	Pre Wash	0/9.9	5.1 gal (19.3 L)	120	/	/
	Pre Wash					
	Wash 118°F(48°C)					
	Rinse					
	Rinse 136°F(58°C)					
Drying						
<b>Rinse</b>		0	2.1 gal (8.0 L)	20	/	/

**NOTE:** The NSF certified is Normal/Auto Cycle with the sanitize option selected.  
The CU test is Normal Cycle with the hi temp option selected.

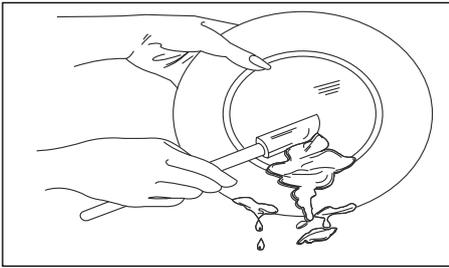
## PREPARING AND LOADING DISHES

### Dish Preparation

Scrape away large pieces of food, bones, pits, toothpicks, etc. The continuous filtered wash system will remove the remaining food particles. Burnt-on foods should be loosened before loading. Empty liquids from glasses and cups.

Food such as mustard, mayonnaise, vinegar, lemon juice and tomato based products may cause discoloration of stainless steel and plastics if allowed to sit for a long period of time. Unless the dishwasher is to be operated immediately, it is best to rinse off this type of food soils.

If the dishwasher drains into a food disposal, be sure the disposal is completely empty before starting the dishwasher.



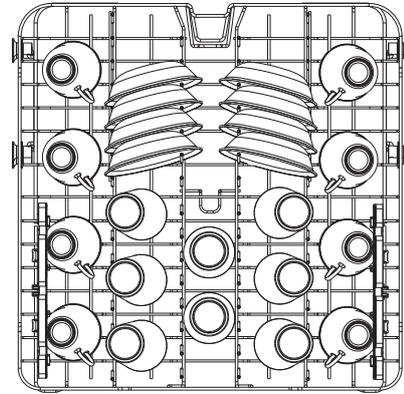
### Loading the Top Rack

The upper rack is designed for cups, glasses, small plates, bowls and plastic items marked "dishwasher safe" etc.

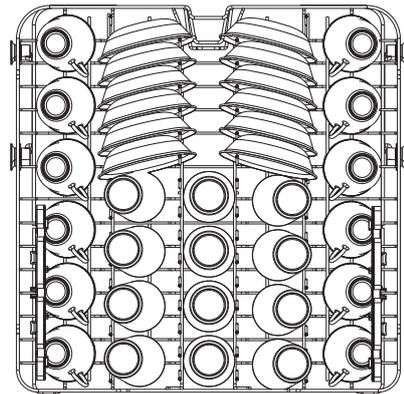
For best results, place the bowls, cups, glasses, sauce pans with soiled surface, facing down or toward the center. Tilt slightly for better drainage.



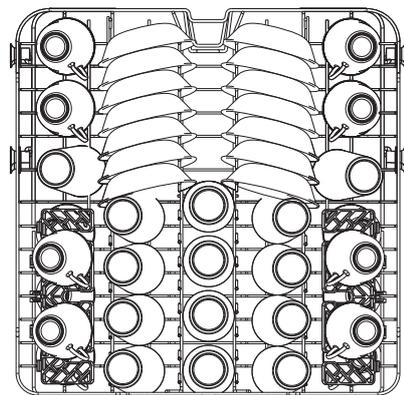
Make sure the loaded dishes do not interfere with the rotation of the middle spray arm, which is located at the bottom of the upper rack. (Check this by rotating the middle spray arm by hand.)



8 place settings standard loading pattern  
(For best washing performance, the upper rack should be in the raised position.)



12 place settings standard loading pattern



14 place settings standard loading pattern

## PREPARING AND LOADING DISHES

### Loading the Bottom Rack

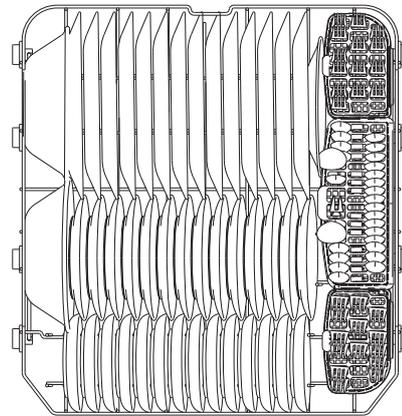
The bottom rack is designed to load plates, soup bowls, plates, saucers and cookware. The adjustable rack space will allow you to load at maximum 13 inch items.



Large items should be placed along the edge so they do not interfere with the middle spray arm rotation, and make sure they do not prevent the detergent dispenser from opening.

Large items should be turned so that the inside faces downward, and make sure these items do not interfere with the lower spray arm rotation.

The fold-down tines in the bottom rack make it easy to load those extra large and hard-to-fit items. The tines may be left up for normal use or folded down for more flexible loading. Fold down for more space to load large pots or pans.

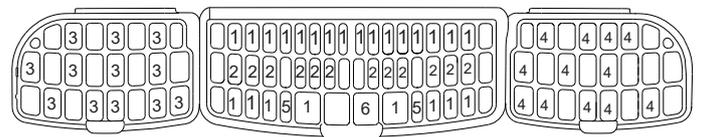


14 place settings standard loading pattern

### Loading the Silverware Basket

The silverware basket can be divided into three separate modules that can be used in both upper and lower racks

1. spoons
2. knives
3. salad forks
4. forks
5. large spoons
6. large forks

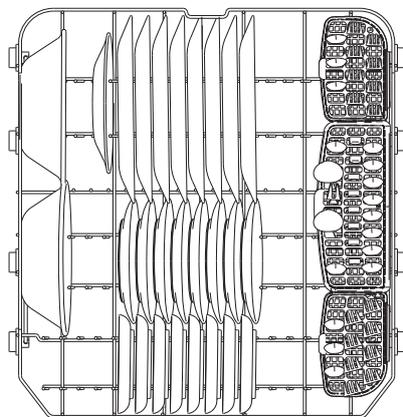


### ⚠ WARNING!

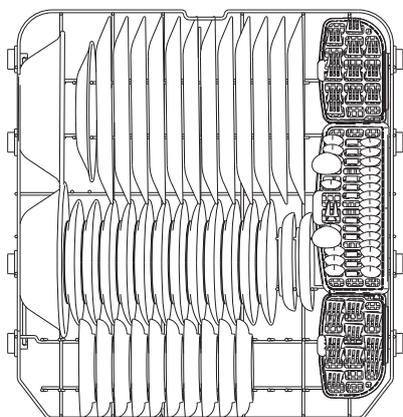
Do not let any item extend through bottom.



Be sure nothing protrudes through the bottom of the basket or rack to block the lower spray arm.



8 place settings standard loading pattern



12 place settings standard loading pattern

### Adding a Dish

To add or remove items after wash cycle starts:

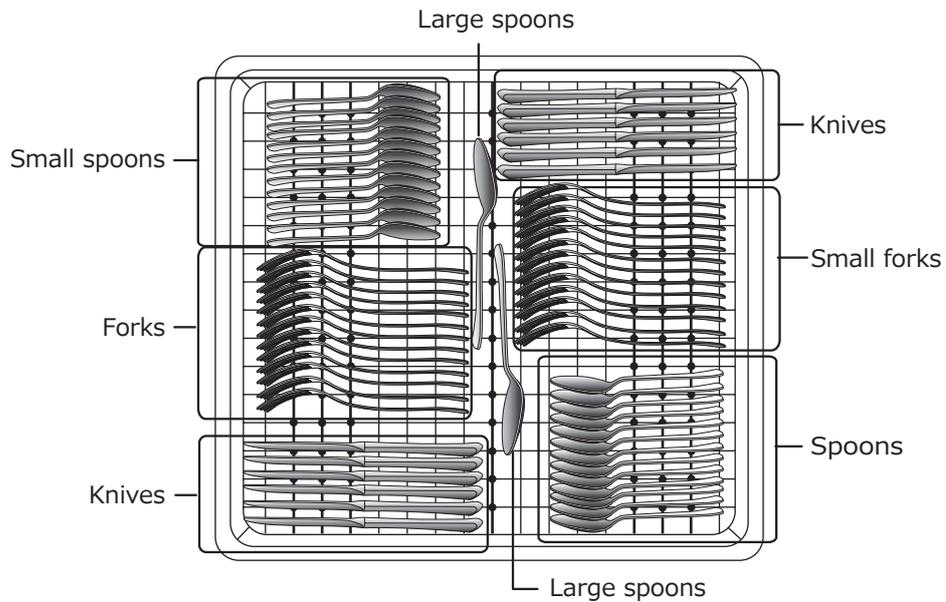
- 1 Open the door slightly and wait a few seconds until the wash action stops before completely opening.
- 2 Add the item.
- 3 Close the door firmly to latch and the cycle will automatically resume.

## PREPARING AND LOADING DISHES

### Loading the Top Rack

You can place the items in the top rack randomly or in an orderly fashion.

The image below (just the sketch map for location) shows how to load the top rack for 14 place settings:



## DISHWASHER DISPENSER & DETERGENTS

### Filling the Detergent Dispenser

Rinse aid greatly improves drying and reduces water spots and filming. Without rinse aid, the dishes and dishwasher interior will have excessive moisture. The Heated Dry option will not perform as well without rinse aid. The rinse aid dispenser, located next to the detergent cup, automatically releases a measured amount of rinse aid during the last rinse.

If spotting and poor drying is a problem, increase the amount of rinse aid dispensed by rotating the dial to a higher number. The dial is located under the dispenser cap.

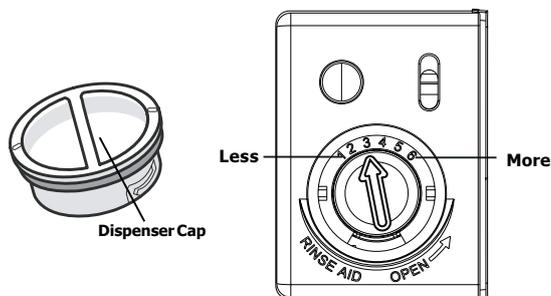
If the rinse aid is low, the Rinse Aid light is illuminated at the beginning and end of the cycle indicating that it is time to refill.

 *Your dishwasher is designed to use liquid rinse aid. The use of rinse aid greatly improves drying performance after the final rinse. Do not use a solid or bar-type rinse aid. Under normal conditions, the rinse aid will last approximately one month, try to keep it full, but do not over fill.*

1. Rinse agent removes spots and prevents new film build up on your dishes, glasses, flatware, cookware and plastic.

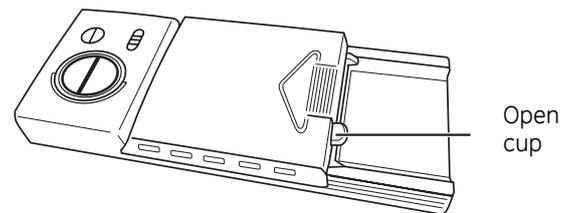
### Filling the Dispenser

- 1 Try to keep it full, but do not over fill.
- 2 Turn the dispenser cap to the left and lift it out.
- 3 Add rinse agent until the indicator window looks full.
- 4 Clean up any spilled rinse agent with a damp cloth.
- 5 Replace the dispenser cap.

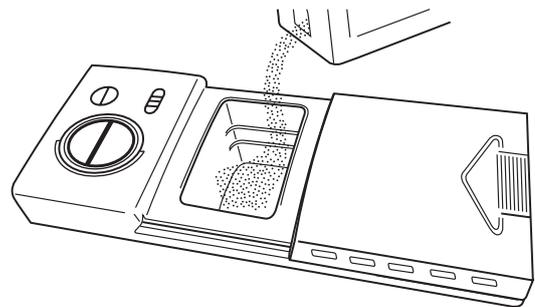


### Filling the Detergent Dispenser

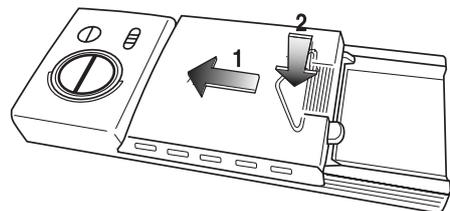
1. Push the dispenser cover latch downwards and open it .



2. Add the detergent to the main wash compartment.



3. After pouring the detergent into the compartment, close the lid, first pushing (1) and then pressing on it (2) until you hear the click.



## CARE AND CLEANING

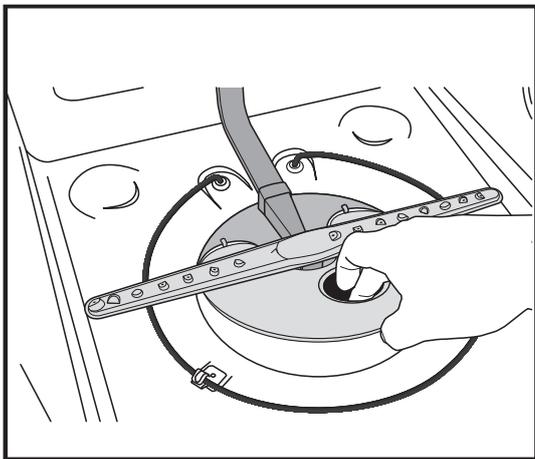
### Clean the Stainless Steel Inner Door and Tub

The tub is made of stainless steel, it will not rust or corrode if the dishwasher becomes scratched or dented.

### Clean the Cylinder Filter

The cylinder filter is designed to collect some big items such as broken glass, bones and pits. The cylinder filter needs to be cleaned to maximize wash performance.

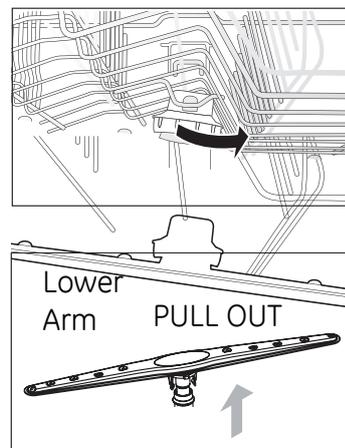
Remove the lower rack, rotate the cylinder filter as shown, lift it out, empty and clean it by rinsing it under running water and replace.



Because hard water chemicals will clog the spray arm jets and bearings, it is necessary to clean the spray arms regularly. Wash the arms in soapy, warm water and use a soft brush to clean the jets. Replace them after rinsing thoroughly.

To remove the **upper or middle spray arm**, unscrew the nut clockwise.

To remove the **lower spray arm**, pull upward.



Clean the spots on the steel inner door and tub with a damp, nonabrasive cloth.



## WARNING

### Burn Hazard

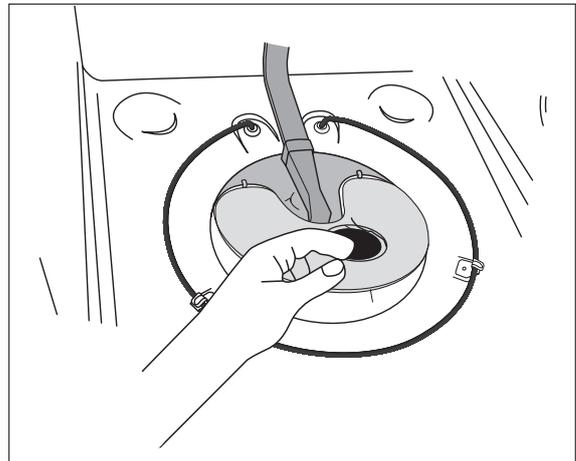
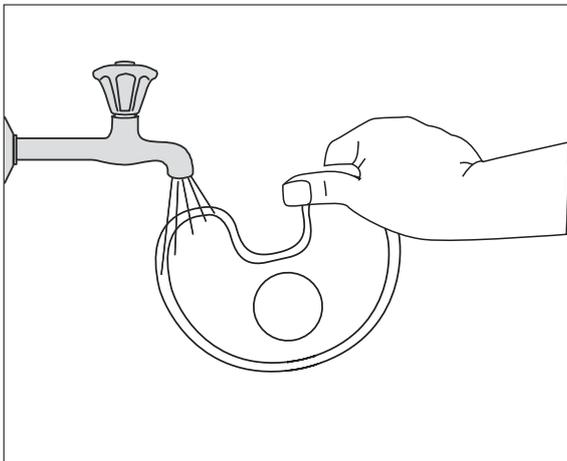
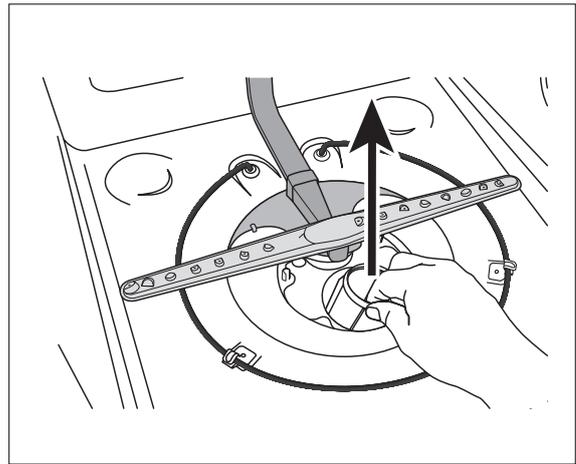
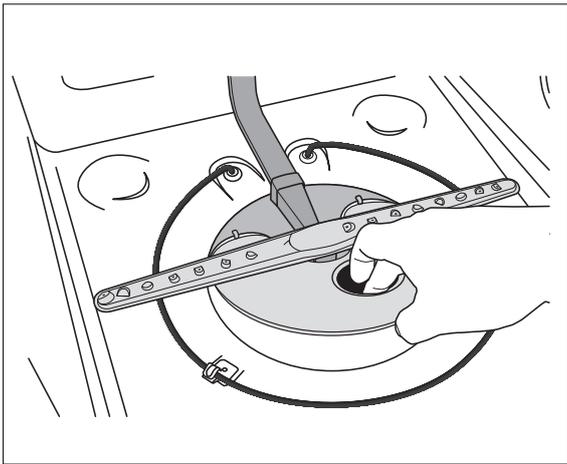
Allow the heating element to cool before cleaning the interior.

Failure to do so can result in burns.

## CARE AND CLEANING

### Clean the Fine Filter

Take out the cylinder filter and remove the fine filter from the bottom of the dishwasher tub. To remove the fine filter, you must first remove the bottom spray arm as shown below. Flush the fine filter by holding it under running water and replace.



## TROUBLESHOOTING

Problem	Possible Cause	Solution
Dishwasher won't start	Door may not be closed properly	Shut the door completely and make sure it is latched
	Power supply or power line is not connected	Check and connect the power supply
	Delay Start option has been selected	Refer to Delay Start section in this manual to reset
	Child Lock activated (selected models)	Deactivate the child lock, refer to the child lock section in this manual
Dishwasher beeps at the end of the cycle	It indicates the wash cycle finished, the dishwasher will beep	
Rinse Aid light on	The rinse aid level is low	Add rinse aid
Dishwasher operates too long	The dishwasher is connected to cold water	Check the dishwasher, make sure it is connected to the hot water supply
	The cycle time will vary due to the soil	When heavy soil is detected, the auto, normal cycle will automatically increase the cycle time
	The sanitize option is selected	When the sanitize option is selected, the cycle time will be increased to meet the sanitized temperature request
Dishes are not clean enough	Water pressure is temporarily low	Use your dishwasher when the water pressure is normal
	The inlet water is low	Make sure the dishwasher is connected to the hot water supply Try not to use your dishwasher when hot water is being used elsewhere in the house
	Dishes are loaded too close together Improper use of detergent	Load the dishes again as the manual introduced Add detergent depending on the water hardness and the cycle you chose. Use fresh detergent.
	The selected cycle is not suitable for food soil condition	Choose another cycle for longer washing time
	Spray arms are blocked by some items	Make sure the spray arm is rotated fluently
Dishes are not drying enough	Detergent dispenser is empty	Fill rinse aid dispenser or increase the amount of rinse aid.
	Improper loading of dishes	Load the dishes again as the manual introduced
	The cycle you chose did not include the drying.	Choose the proper cycle with drying
Spots and filming on dishes	Water hardness is too high	For extremely hard water, install a water softener
	Improper loading of dishes	Load the dishes again as the manual indicates
	Old or damp powder rinse aid is used	Use fresh rinse aid
	Rinse dispenser empty	Add rinse aid to the dispenser
Etching	Using too much detergent	Use less detergent if you have soft water
	The inlet water temperature exceeds 150 °F	Lower the inlet water temperature
Detergent left in dispenser cup	Detergent may be too old	Use fresh detergent
	Spray arm is blocked	Load the dishes, making sure the spray arms are not blocked.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Detergent dispenser will not shut	Improper operation of the detergent cover	Add the detergent and rinse aid as indicated by the manual
Water remains in the dishwasher	Previous cycle has not finished or has been interrupted	Select the proper cycle as introduced by the manual
Dishwasher does not drain properly	Drain is clogged	Check the air gap (if so equipped). Make sure that the disposal is empty (if so connected).
	Drain hose is kinked	Make sure the drain hose is properly connected to the sink
Suds in the tub	Improper detergent is used	Make sure to use only the automatic dishwasher detergent
Dishwasher leaks	Excessive suds caused by using the improper detergent	Make sure to use only the automatic dishwasher detergent
	Dishwasher is not level	Leveling the dishwasher (see the installation manual)
Black or gray marks on dishes	Aluminum utensils have rubbed against dishes	Choose a higher cycle Make sure the inlet water is no less than 120°F
Stained tub interior	Coffee and tea soil	Use a spot cleaner to remove the soil
	Reddish stain	Some food with a red hue will cause this, use of the rinse only cycle right after loading will decrease the staining
Noises	Detergent cup opening/drain pump sound	This is normal
	A hard object has entered the wash module. When the object is ground up, the sound should stop.	If the noise persists after a complete cycle, call for service.
Dishwasher won't fill	Water valve is turned off	Check if the water valve is turned on
	Door latch may not be properly sealed	Make sure the door is closed

## Error Codes

When some malfunctions come on, the appliance will display error codes to warn you:

Codes	Meanings	Possible Causes
E1	Longer inlet time.	Faucets are not opened, or water intake is restricted, or water pressure is too low.
E4	Overflow.	Some element of dishwasher leaks .

### **⚠ WARNING!**

- If overflow occurs, turn off the main water supply before calling for service.
- If there is water in the base pan because of an overflow or small leak, the water should be removed before restarting the dishwasher.

## WARRANTY

# Element Appliance Limited Warranty

(the “Products” or “Product” when referencing a singular product herein)

This Product (including any accessories included in the original packaging) as supplied and distributed in new condition, is warranted by Element Appliance Company, LLC (“Element”) to the original customer who purchases the Product from an authorized Element retailer (the “Original Customer” or “you”) against defects in material and workmanship under proper use, maintenance, and care according to the owner’s manual, warnings, and instructions accompanying the Product (“Warranty”) as follows:

\* **PLEASE NOTE** – Proof of purchase evidencing the date of purchase by the Original Purchaser from an authorized Element retailer (“Valid Proof of Purchase”) is **required** for all Warranty service. The express Warranty set forth herein is subject to all terms and conditions set forth below.

### 1. **WARRANTY SERVICE:**

**A. ONE-YEAR WARRANTY:** Except as provided in subpart 1.B below, for a period of **one (1) year** from the date of purchase by the Original Customer (the “Warranty Period”), if the parts or components covered by this Warranty are determined by Element or Element’s authorized service provider to be defective in material or workmanship, Element will, at its sole and absolute discretion and option: (i) repair the defective part or component at no charge to the Original Customer, (ii) replace the defective Product with a new Product of similar or better quality, at no charge to the Original Customer, or (iii) refund the documented purchase price paid by the Original Customer (excluding tax) to the Original Customer upon return of the defective Product as directed by Element. After the Warranty Period expires, the Original Customer must pay for all parts, components, shipping and handling, labor, and replacement costs associated with the Product or any part or component thereof, regardless of any defects in the Product or any part or component thereof.

**B. LIMITED EXTENDED WARRANTY THROUGH PRODUCT REGISTRATION:** If and only if the Original Customer registers the Product at [www.elementelectronics.com](http://www.elementelectronics.com) within **ninety (90)** days of the date of purchase by the Original Customer, then the Warranty Period discussed in subpart 1.A. above shall be extended an additional one (1) year to a new Warranty Period equaling **two (2) years** from the date of purchase by the Original Customer. If the Product is not registered as provided for in this subpart 1.B, then the standard one-year Warranty Period set forth in subpart 1.A shall apply.

**C. TIMING AND PROCEDURE:** Before Warranty service can commence, the Original Customer must contact either (i) the retailer from whom the Original Customer purchased the Product, or (ii) Element directly, in either case for problem determination and service procedures. Valid Proof of Purchase evidencing that the Product is within the Warranty Period **MUST** be presented by Original Customer in order to obtain the requested Warranty service. Please have your model and serial number available, along with your date of purchase of the Product. To remain eligible for Warranty service, Original Customer may not return the Product or any part or component thereof to the retailer or Element without Element’s prior written consent.

### 2. **EXCLUSIONS AND LIMITATIONS TO WARRANTY SERVICE**

The Warranty covers manufacturing defects in materials and workmanship of the Product encountered in the normal, non-commercial use of the Product, and **does not cover** (a) damages or malfunctions resulting from improper or unreasonable use or maintenance, abuse, negligence, failure to follow instructions contained in any written materials that accompany the Product, deterioration by reason of excess moisture, corrosive atmosphere, lightning, power surges, connections to improper voltage supply, unauthorized alteration, or other external causes such as extremes in temperature or humidity, modifications, scratches or discoloration; (b) improper or incorrectly performed repairs by service providers not authorized by Element; (c) transportation, shipping, delivery, pickup, insurance, installation, or set-up costs; (d) ordinary wear and tear, cosmetic damage, or damage due to acts of nature, including but not limited to, water, floods, wind, storm, tornado, earthquake, or fire, or due to damage caused by extraordinary impact events, such

as dropping, crushing, demolition or other extraordinary damage;

(e) commercial use of the Product, or use of the Product for anything other than single-family household or residential use; or (f) modification of the Product or any part of the Product.

This Warranty is made to the Original Customer only and does not cover Products sold AS IS or WITH ALL FAULTS. The Warranty is invalid if the factory-applied serial number has been altered or removed from the Product. This Warranty is valid only in the United States, and only applies to Product if it was purchased and serviced in the United States. The addition of equipment or features to the Product that are not manufactured or recommended by Element could affect the intended function of the Product, and therefore may void the Warranty. Furthermore, the exposure of the Product to chemicals, heat, cold, humidity, or other elements can affect the Product components, and therefore, the Warranty does not cover discoloration, fading, cosmetic changes, rust, or any damages or failure related to any such items. The Warranty is contingent upon the proper use, maintenance, and care of the Product. The Warranty may be void if the Product has been used in a manner contradictory to, or in violation of, the terms of the user's manual, warnings, or instructions accompanying the Product.

**THIS WARRANTY IS MADE IN LIEU OF AND SUPERSEDES ALL OTHER WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR GENERAL USE, WHETHER EXPRESS, IMPLIED, COLLATERAL, STATUTORY, OR PROVIDED BY COMMON LAW, THE UNIFORM COMMERCIAL CODE, OR OTHERWISE. ELEMENT FURTHER DISCLAIMS ALL WARRANTIES AFTER THE END OF THE WARRANTY TERM DEFINED ABOVE. NO OTHER EXPRESS WARRANTY OR GUARANTY GIVEN BY ANY OTHER PERSON, FIRM, OR ENTITY WITH RESPECT TO THE PRODUCT SHALL BE BINDING ON ELEMENT. REPAIR, REPLACEMENT, OR REFUND OF THE ORIGINAL PURCHASE PRICE, AT ELEMENT'S SOLE DISCRETION, ARE THE EXCLUSIVE REMEDIES OF THE CUSTOMER.**

**ELEMENT SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE, OR INABILITY TO USE THE PRODUCT. THESE INCLUDE, BUT ARE NOT LIMITED TO, ANY DAMAGES IN THE FORM OF LOST PROFITS, LOSS OF USE, LEGAL FEES, ECONOMIC LOSS, PERSONAL INJURIES, OR ANY OTHER DAMAGES CAUSED BY CIRCUMSTANCES BEYOND THE CONTROL OF ELEMENT. NOTWITHSTANDING THE FOREGOING, ELEMENT'S AGGREGATE LIABILITY TO ANY CUSTOMER SHALL NOT EXCEED THE ORIGINAL PURCHASE PRICE OF THE PRODUCT. THIS WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL CUSTOMER WHO PURCHASED THE PRODUCT, AND IS NOT TRANSFERRABLE. NO PERSON IS AUTHORIZED TO ALTER, EXTEND, OR WAIVE THIS WARRANTY OR ANY OF ITS TERMS OR CONDITIONS.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on warranties, so the above limitations or exclusions may not apply to you. This Warranty gives you specific rights, and you may have other rights, which vary from state to state. The exclusions and limitations to the Warranty apply to the maximum extent permitted by law and unless restricted or prohibited by law. Where any term of this Warranty is prohibited by applicable law, it shall be null and void, but the remainder of this Warranty shall remain in effect.

**PLEASE DIRECT ALL CORRESPONDENCE TO:**

Element Appliance Company, LLC  
[customerservice@elementelectronics.com](mailto:customerservice@elementelectronics.com)  
888-842-3577  
<https://elementelectronics.com/appliances>



CONTACT US:

Element Appliance Company, LLC. Customer Service

Customer Support: 1 888-842-3577

[customerservice@elementelectronics.com](mailto:customerservice@elementelectronics.com)

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392 Hwy 321 Bypass South, Winnsboro, SC 29180

# DISHWASHER

## Installation Manual



**Model:**  
**ENB6632PEBW**  
**ENB6632PEBB**  
**ENB6632PEBS**

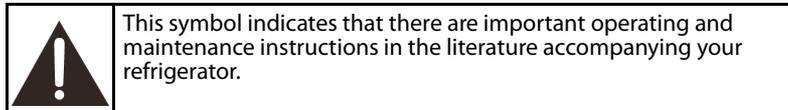
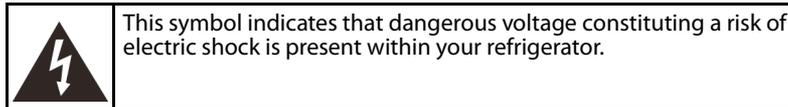


Before using your new product, please read these instructions to prevent any damage.

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# IMPORTANT SAFETY INSTRUCTIONS



## BEFORE YOU BEGIN

Read these instructions completely and carefully.

## IMPORTANT

- Observe all governing codes and ordinances.
- **Note to Installer** – Be sure to leave these instructions for the consumer's and local inspector's use.
- **Note to Consumer** – Keep these instructions with your *User Guide* for future reference.
- **Skill Level** – Installation of this dishwasher requires basic mechanical and electrical skills. **Proper installation is the responsibility of the installer. Product failure due to improper installation is not covered under the appliance warranty.**
- **Completion Time** – One to three hours. New installations require more time than replacement installations.

## IMPORTANT

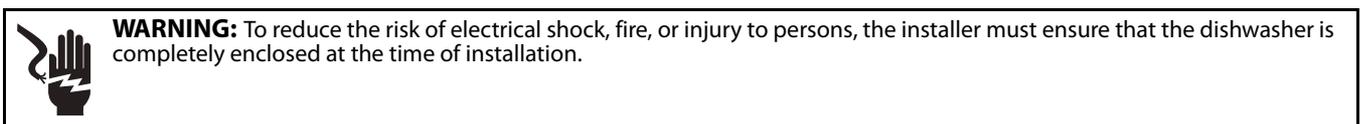
- The dishwasher **MUST** be installed to allow for future removal from the enclosure if service is required.
- If you received a damaged dishwasher, you should immediately call element customer service at 888-842-3577.

## FOR YOUR SAFETY

Read and observe all CAUTIONS and WARNINGS shown throughout these instructions. While performing installations described in this booklet, gloves and safety glasses or goggles should be worn.

## Warning

This dishwasher comes with a heating element to heat the water. To avoid the risk of a serious burn, don't touch the heating element when the dishwasher is on.



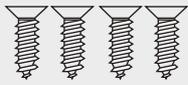
# READ CAREFULLY.

# KEEP THESE INSTRUCTIONS.

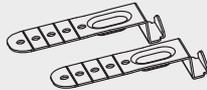
If you have an installation problem, contact your dealer or installer. You are responsible for providing adequate electrical, exhausting, and other connecting facilities.

## Preparing to install your dishwasher

### Parts supplied:



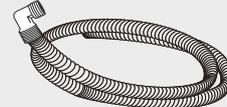
Wood screws (4)



Top mounting clips (2)



Hose clamp



Drain hose

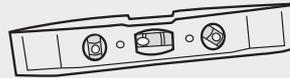
### Tools needed:



Phillips screwdriver



1/4 in. and 5/16 in.  
Nut driver



Level



Flashlight



Gloves



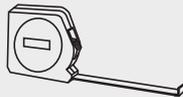
Bucket



Adjustable wrench



Carpenters  
square

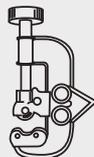


Measuring tape



Safety glasses

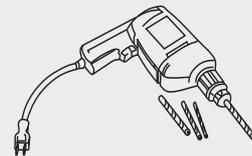
### New installations only



Tubing cutter



Hole saw  
set



Drill and bits

## Materials needed (kit purchased separately):



90° Elbow, ferrule and compression nut. (3/8 NPT external thread on one end. Other end sized to fit water supply line)

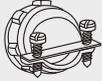


Teflon thread seal tape

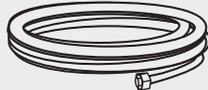


Three wire nuts (UL listed) (two included in kit)

### New installations only



Strain relief (for electrical connections)



Hot water line (min. 3/8 in. copper) kit



"T" connection



Garden hose connection



Electrical cable or power cord (See *Electrical Requirements* section)

### Not included in kit



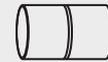
Hand shut-off valve



Waste tee for house plumbing (if applicable)



Screw-type hose clamps



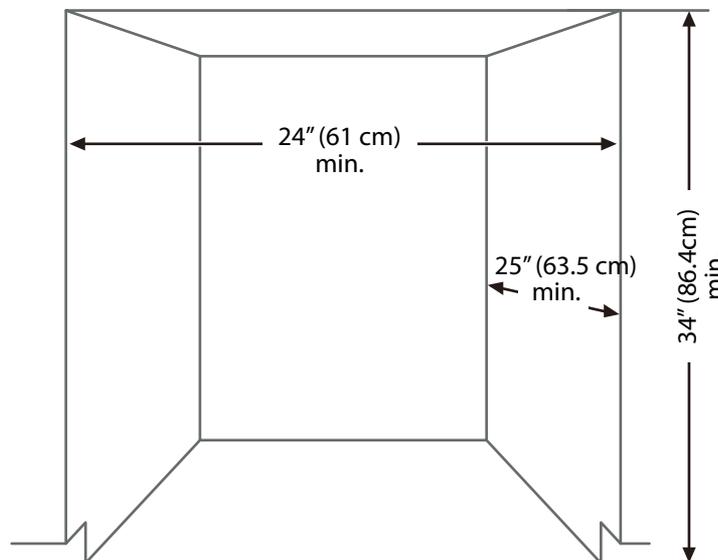
Coupler for extending drain line (if applicable)



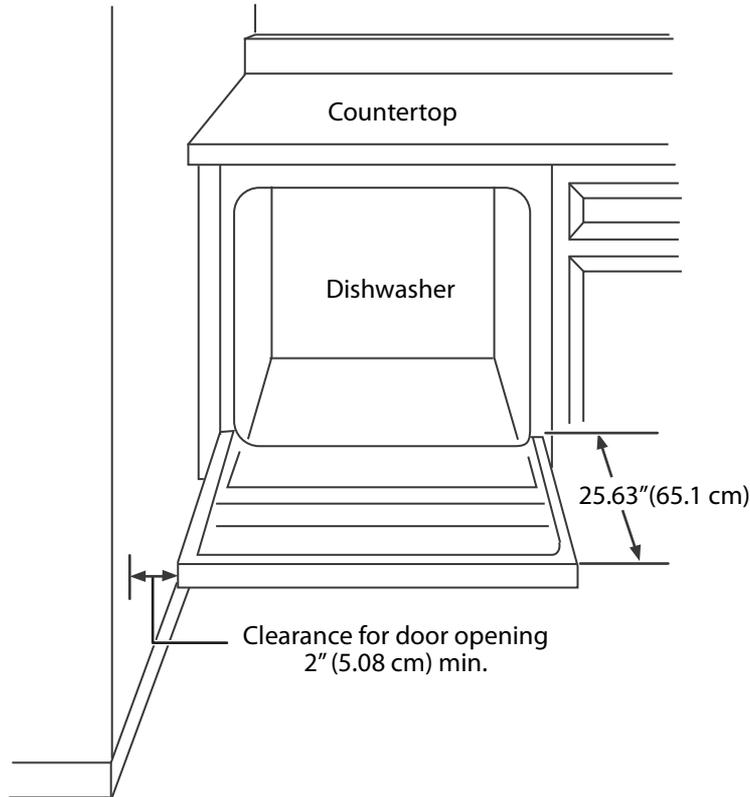
Air gap (if required)

## Enclosure requirements

- The dishwasher must be installed so that the drain hose is no more than 10 feet (3.01 m) in length, for proper drainage.
- This dishwasher is designed to be enclosed on the top and on both sides by a standard residential kitchen cabinet unit.
- The installation enclosure must be clean and free of any obstructions.
- The enclosure must be at least 24 inches (61 cm) wide, 25 inches (63.5 cm) deep, and 34 inches (86.4 cm) high.
- For the front door of the dishwasher to be flush with the front edge of the counter top, the counter top must be 25 inches (63.5 cm) deep.



If installing into a corner, allow 2 in. (5.08 cm) min. clearance between dishwasher and adjacent cabinet, wall, or other appliances. Allow 25.63 in. (65.1 cm) min. clearance from the front of the dishwasher for opening the door.



### Drain requirements

- Follow all local codes and ordinances.
- Do not exceed 10 ft. (3.01 m) of drain hose.
- Do not connect the drain lines from other devices to the dishwasher drain hose.
- The dishwasher must be connected to a waste line with an air gap (not provided) or a 32 in. (81.28 cm) high (min.) drain loop, depending on local codes and ordinances, to prevent back flow into the dishwasher.
- An air gap must be used if the waste tee or garbage disposal connection is less than 18 in. (45.72 cm) above the floor, to prevent siphoning.

### Drain preparation

The type of drain installation required depends on the answers to the following questions:

- Do local codes or ordinances require an air gap?
- Will the waste tee or garbage disposal connection be less than 18 in. (45.72 cm) above the floor?
- Will installation have a drain loop less than 32 in. (81.28 cm) above the floor?

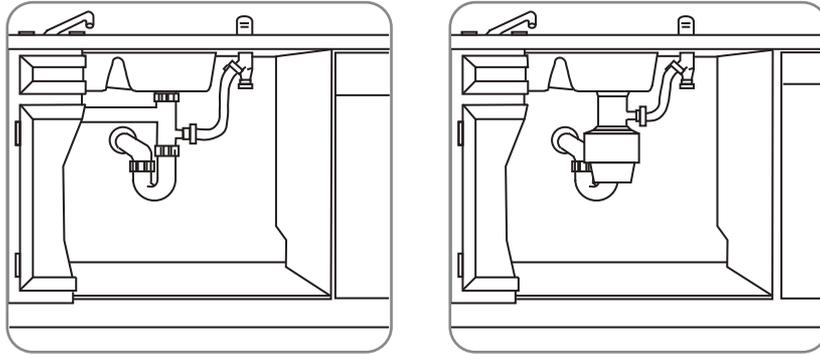
If the answer to **ANY** of these questions is **YES, Method 1 MUST be used**. Otherwise, either Method 1 or Method 2 may be used.

#### Caution:

- An air gap **MUST BE USED** if the drain hose is connected to a waste tee or garbage disposal lower than 18 in. (45.72 cm) above the floor.
- Failure to provide the proper drain connection height with an air gap or 32 in. (81.28 cm) (min.) high drain loop will result in improper draining of the dishwasher.

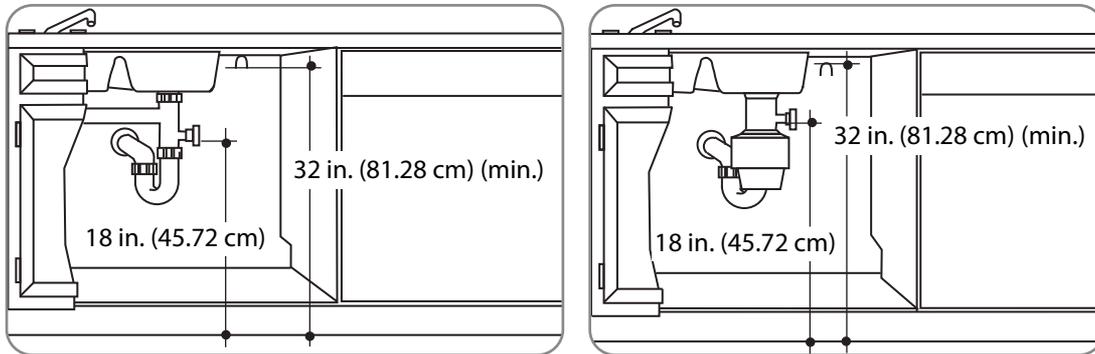
Install the waste tee or garbage disposal connection and air gap according to manufacturer's instructions.

**Method 1 - Air gap with a waste tee or garbage disposal connection**



**Method 2 - High drain with a waste tee or garbage disposal connection**

You must provide a method to attach the drain hose to the underside of the countertop.



**Electrical requirements**

- This appliance must be supplied with 120V, 60 Hz, and it must be connected to its own, properly grounded branch circuit that is protected by a 15 or 20 ampere circuit breaker or time delay fuse.
- Wiring must be two wire with ground.
- If the electrical supply does not meet the above requirements, call a licensed electrician before proceeding.

 **Warning:** Remove the house fuse or open the circuit breaker before beginning the installation. Do not use an extension cord or adapter plug with this appliance.

# GROUNDING INSTRUCTIONS

**Grounding Instructions – Cable Direct**

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

**Grounding Instructions – Power Cord Models**

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



## WARNING

The improper connection of the equipment grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service representative if you are in doubt that the appliance is properly grounded.

**Direct Wire Method**

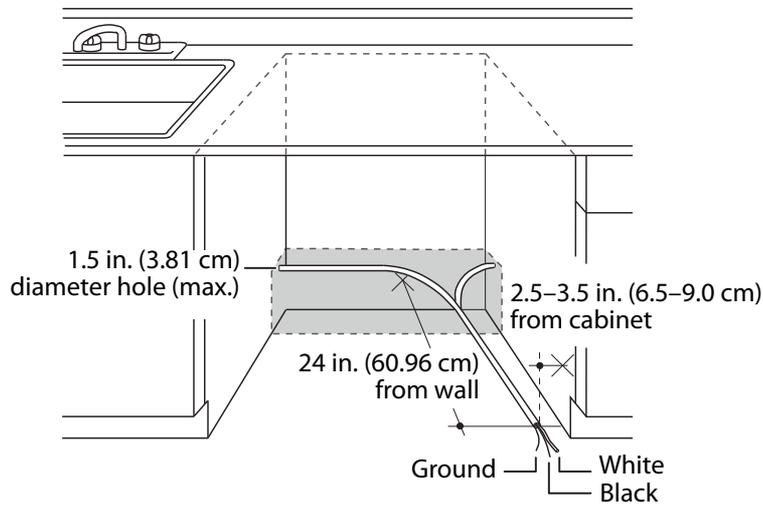
- The cable must be routed as shown in [Cabinet preparation and wire routing on page 8](#), and extend a minimum of 24 in. (60.96 cm) from the rear wall.
- Use flexible, armored, or nonmetallic sheathed, copper wire with grounding wire that meets the wiring requirements for your home and local codes and ordinances.
- Use a UL Listed/CSA Approved strain relief.

### Power Cord Method

- Install a 3-prong grounding type receptacle. The wall outlet can be installed in a cabinet or on a wall adjacent to the undercounter space in which the dishwasher is to be installed.
- Use power cord kit (part number 5304504505) under Smart Choice brand marked with Dishwasher Install Kit With Power Cord, available for purchase from an authorized store. The power cord and connections must comply with local codes and ordinances.
- The recommended power cord length is 54 in. (1.4 m) min. and 64 in. (1.6 m) max.

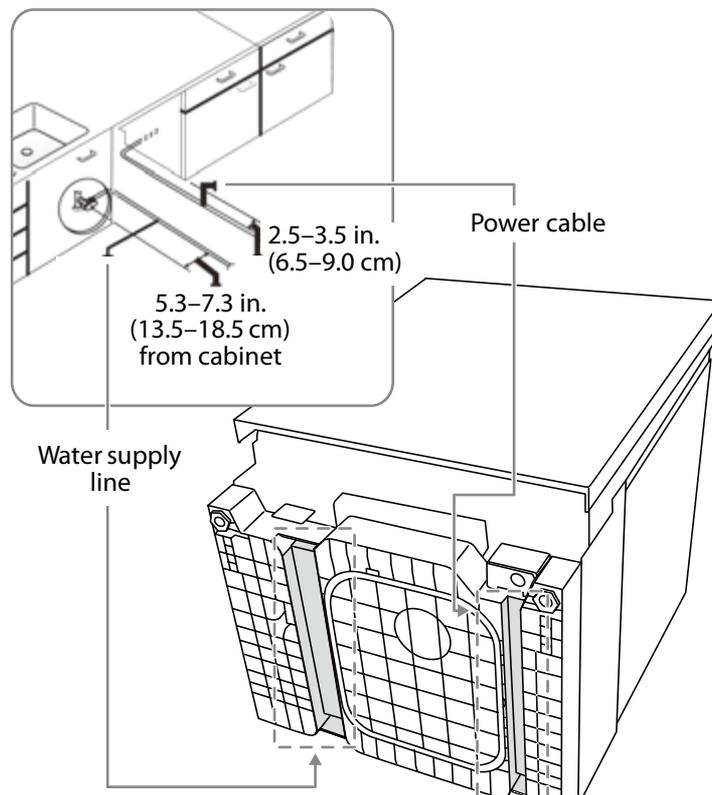
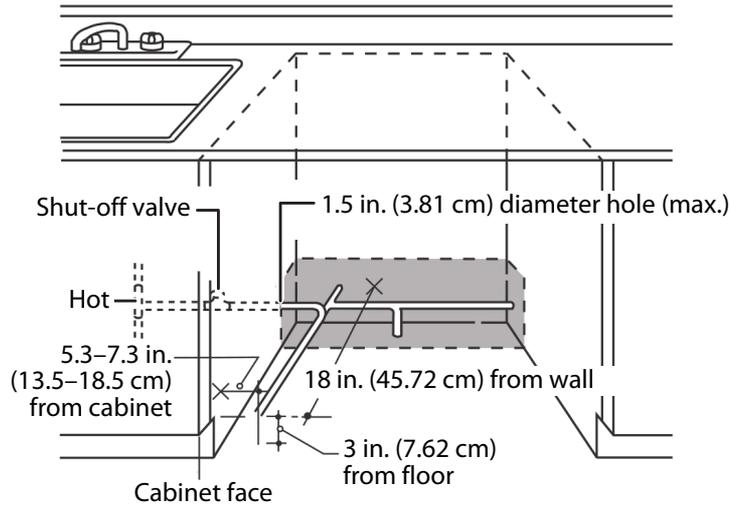
### Cabinet preparation and wire routing

- The wiring may enter the opening from either side, the rear, or the floor within the shaded area.
- The electrical connection is on the front right of the dishwasher.
- Drill a 1.5 in. (3.81 cm) maximum diameter hole to run the electrical cable through the wall of the cabinet.
- The hole must be free of sharp edges. If the cabinet wall is metal, the hole edge must be covered with a bushing or rubber grommet.
- Cable direct connections may pass through the same hole as the drain hose and hot water line, but power cords with plugs must pass through a separate hole.



## Preparing the hot water line

- The water connection is on the left side of dishwasher.
- The hot water line may enter the opening from either side, the rear, or the floor within the shaded area.
- The hot water line may pass through the same hole as the electrical and drain hose. Or, you can drill an additional 1.5 in. (3.81 cm) maximum diameter hole for the hot water line.
- If a power cord with a plug is used, the hot water line may not pass through the same hole as the power cord.



## Connecting the water line to the water supply

- 1 Turn off the water supply.
- 2 Install a hand shut-off valve in an accessible location, such as under the sink. This is optional, but strongly recommended, and may be required by local codes.
- 3 Install the hot water inlet line, using at least 3/8 in. O.D. copper tubing. Route the line as shown in the figure above and extend it forward at least 18 in. (45.72 cm) from the rear wall of the enclosure.
- 4 Adjust the water heater to a temperature of 120° F to 150° F (49° C to 65° C).
- 5 Flush the water line to clean out any debris.

**Note:** The hot water pressure must be between 20 and 120 psi (138 and 827 kPa).

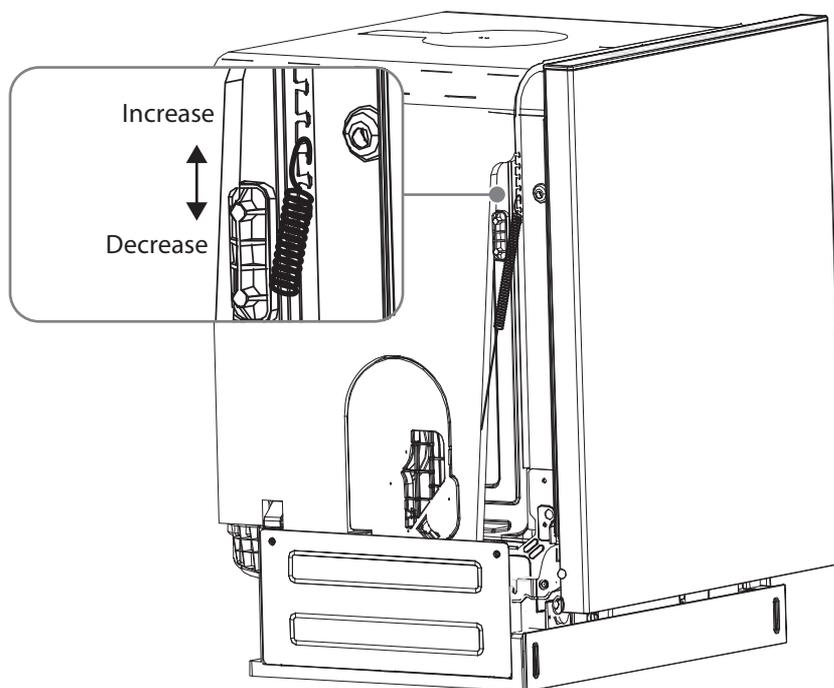
# Installation Instructions

## Step 1: Check the door balance

### Caution:

- Opening the door of your dishwasher before it is installed will cause it to tip forward. Do not open the door until you are ready to install your dishwasher.
- If it is necessary to open the door, hold the top of the dishwasher securely with one hand and hold the door with the other hand.

- 1 Hold the top of the dishwasher firmly.
- 2 Open the door slowly, then release it. If the door drops, increase the spring tension. If the door closes, decrease the spring tension.
- 3 Continue moving the spring pin until the door is balanced. Adjust both springs to the same tension.

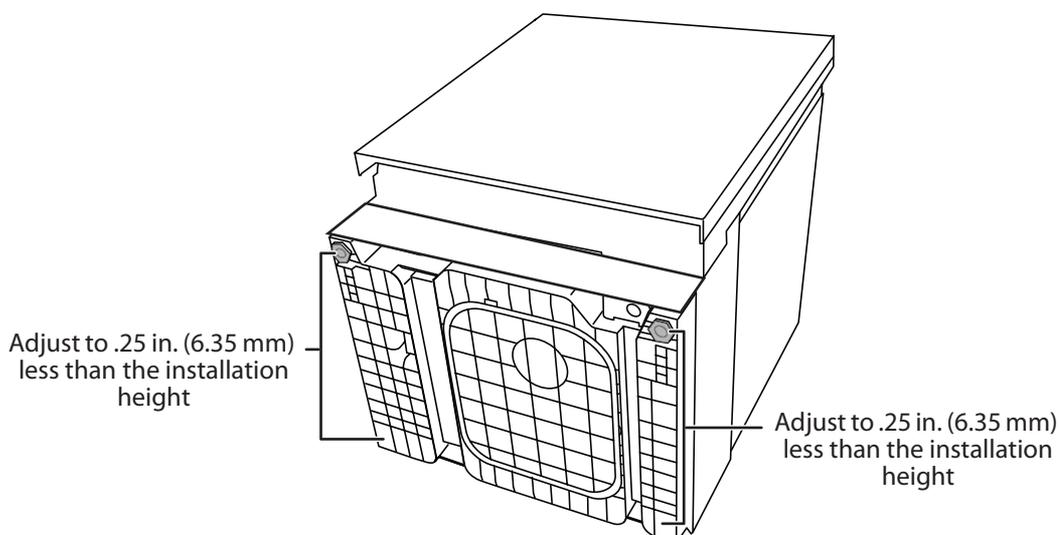


## Step 2: Adjust the leveling legs

- 1 Move the dishwasher close to the installation location and lay it on its back.

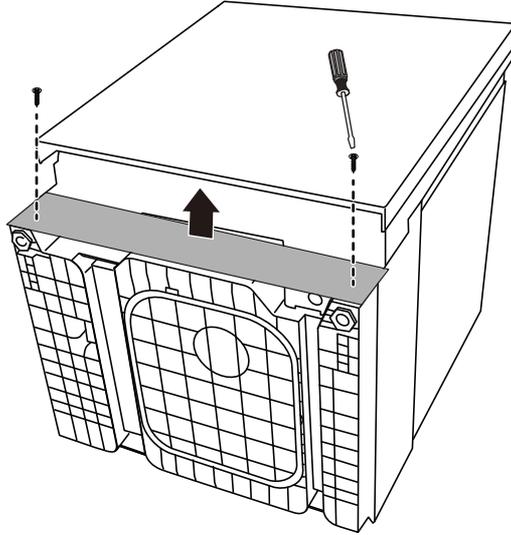
**Note:** Make sure that the leveling feet are loosened before standing the dishwasher upright. They may be tight from shipping/packaging.

- 2 Measure the installation height and the dishwasher height.
- 3 Extend the leveling legs out from the dishwasher base .25 in. (6.35 mm) less than the installation height.

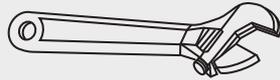


### Step 3: Remove the toekick

- Remove the two toekick screws with a Phillips screwdriver, then remove the toekick.



#### You'll need:



Adjustable wrench



Phillips screwdriver

### Step 4: Install to power

**Turn off the electricity to the dishwasher's electrical circuit.**

**Make sure that the electrical power is turned off at the source.**



#### Warning:

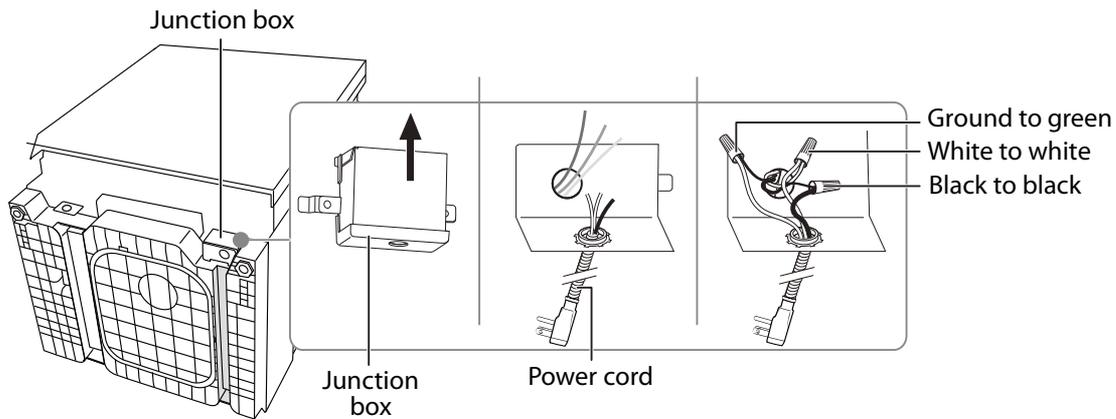
- If your house wiring is not 2-wire with a ground, a ground must be provided by the installer.
- If your house wiring is aluminum, be sure to use cUL/UL Listed anti-oxidant compound and aluminum-to-copper connectors.

#### Power cord

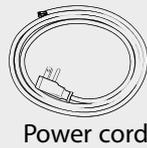
- 1 Remove the junction box cover on the front right of the dishwasher.
- 2 Make sure that the junction box's electrical wires are pulled inside of the junction box.
- 3 Remove the lock nut from the strain relief, then push the strain relief into the round opening of the junction box.
- 4 Install the lock nut on the strain relief from inside the junction box.
- 5 Insert the ends of the power cord's electrical wires into the junction box through the strain relief.
- 6 Connect the incoming white (or ribbed) wire to the dishwasher's white wire, the black (or smooth) wire to the dishwasher's black wire, and the ground wire to the dishwasher's green wire. Use cUL/UL listed wire nuts of the appropriate size.
- 7 Tighten the strain relief screws and lock nut to stabilize the power cord's electrical wires, then make sure that all of the connections are secure.

- Replace the junction box cover on the right front of the dishwasher. Be sure that the wires are not pinched under the cover.

**Note:** If you have trouble replacing the junction box cover, loosen the screws on the strain relief.

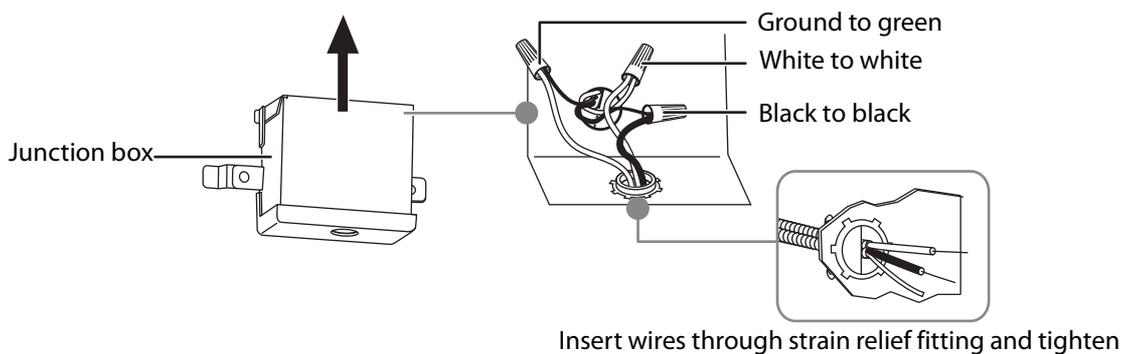


### You'll need:



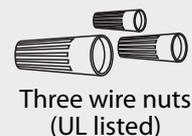
### Direct wiring

- Remove the junction box cover from the power supply junction box on the wall.



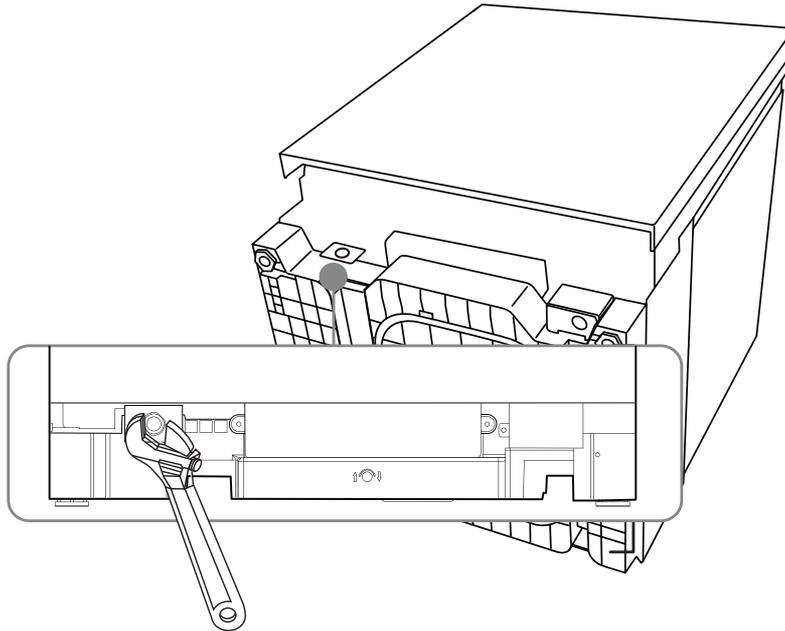
- Locate the three dishwasher wires, (white, black, and green) with stripped ends, then insert the dishwasher wires through the small hole in the junction box.
- Secure the house wiring to the bottom of the junction box with a strain relief fitting.
- Use wire nuts to connect incoming ground to green, white to white, and black to black.
- Replace the junction box cover. Make sure that no wires are pinched under the cover.

### You'll need:

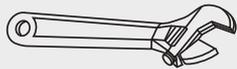


### Step 5: Install the 90° water supply elbow

- 1 Wrap the male thread of the 90° elbow with Teflon thread seal tape twice. **Do not use plumber's putty.**
- 2 Install the 90° elbow onto the water valve. Do not overtighten the 90° elbow. The water valve bracket could bend or the water valve fitting could break.
- 3 Position the end of the elbow to face the floor when the dishwasher is upright.



#### You'll need:



Adjustable wrench



90° elbow

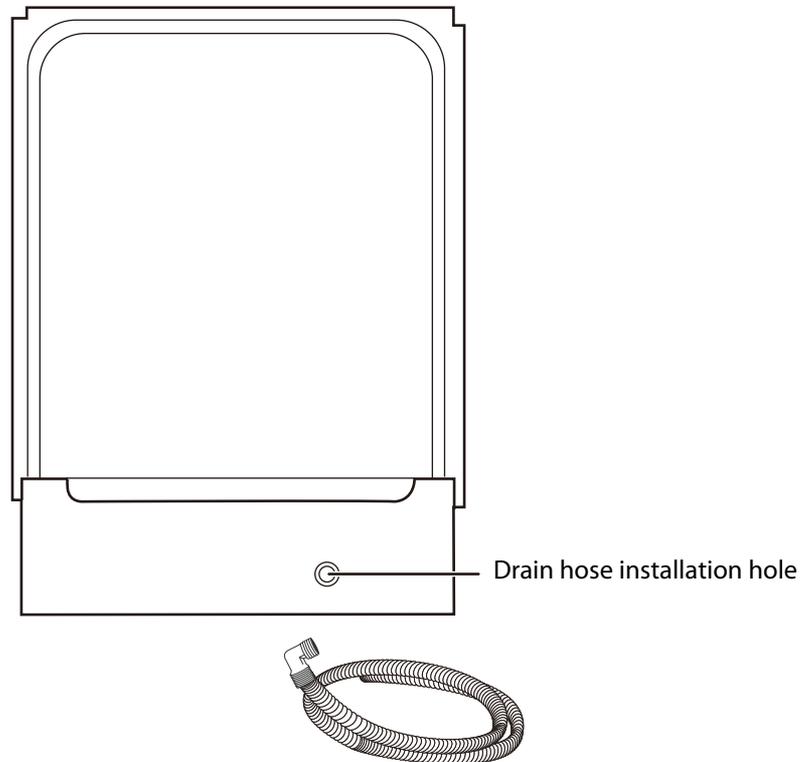


Teflon thread  
seal tape

## Step 6: Install the drain hose

- 1 Make sure that the leveling feet are loosened before standing the dishwasher upright. They may be tight from shipping/packaging.
- 2 Turn the dishwasher upright.
- 3 Slide a screw-type hose clamp onto the right-angled end of the drain hose.
- 4 Install the drain hose to the dishwasher drain outlet on the back of the dishwasher, then tighten the screw-type hose clamp.

### Back of dishwasher



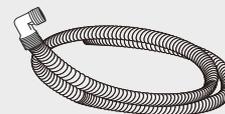
### You'll need:



Phillips screwdriver



Screw-type  
hose clamps

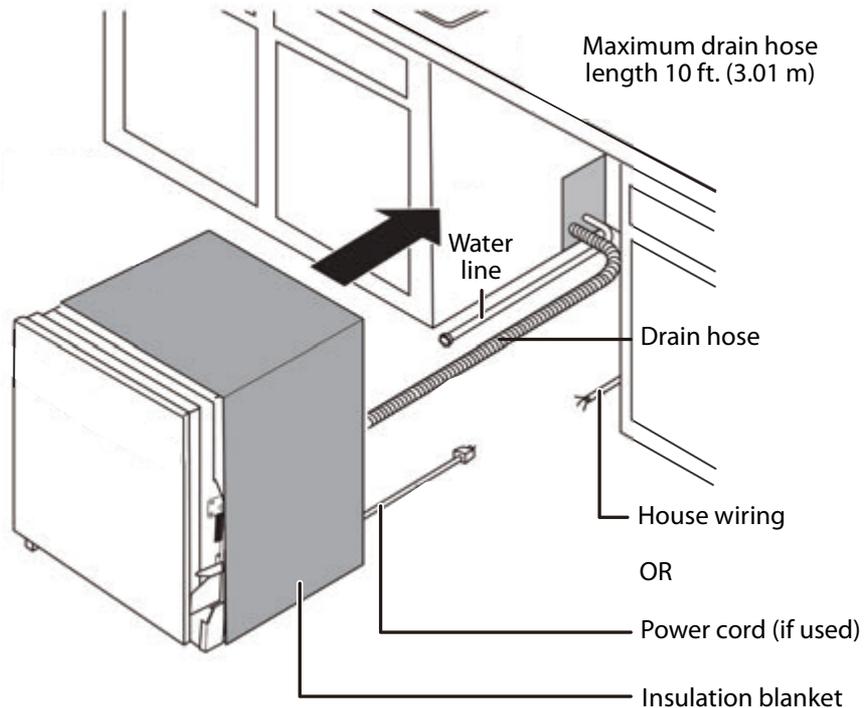


Drain hose

### Step 7: Inserting the drain hose through the cabinet

- Insert the drain hose into the hole in the cabinet wall. If a power cord is used, guide the end through a separate hole.

**Tip:** Position the water line and house wiring on the floor to avoid interfering with the base of the dishwasher.



### Step 8: Slide the dishwasher partially into the cabinet

**Caution:** Do not push against the front panel with your knees. Damage will occur.

- 1 Position the dishwasher in front of the opening, then slide the dishwasher into the opening a few inches at a time.
- 2 Pull the drain hose through the opening under the sink as you proceed. Stop when the dishwasher is a few inches in front of the adjacent cabinetry.
- 3 Make sure that the drain hose is not kinked under the dishwasher and that there is no interference with the water line, wiring, or any other component.

Do not push against the front door panel with your knees. You will damage the front panel.



## Step 9: Position the dishwasher under the countertop

- 1 Make sure that the wires are secure under the dishwasher and not pinched or in contact with door springs or other dishwasher components.

**Tip:** Check tub insulation blanket, if equipped. It should be positioned so it is not bunched up or interfering with door springs. Check by opening and closing the door.

- 2 Push the dishwasher into the cabinet. The front corners of the dishwasher door should be flush with the cabinet doors. Be careful not to dent the front panel with your knees or damage the countertop or cabinets with dishwasher parts.

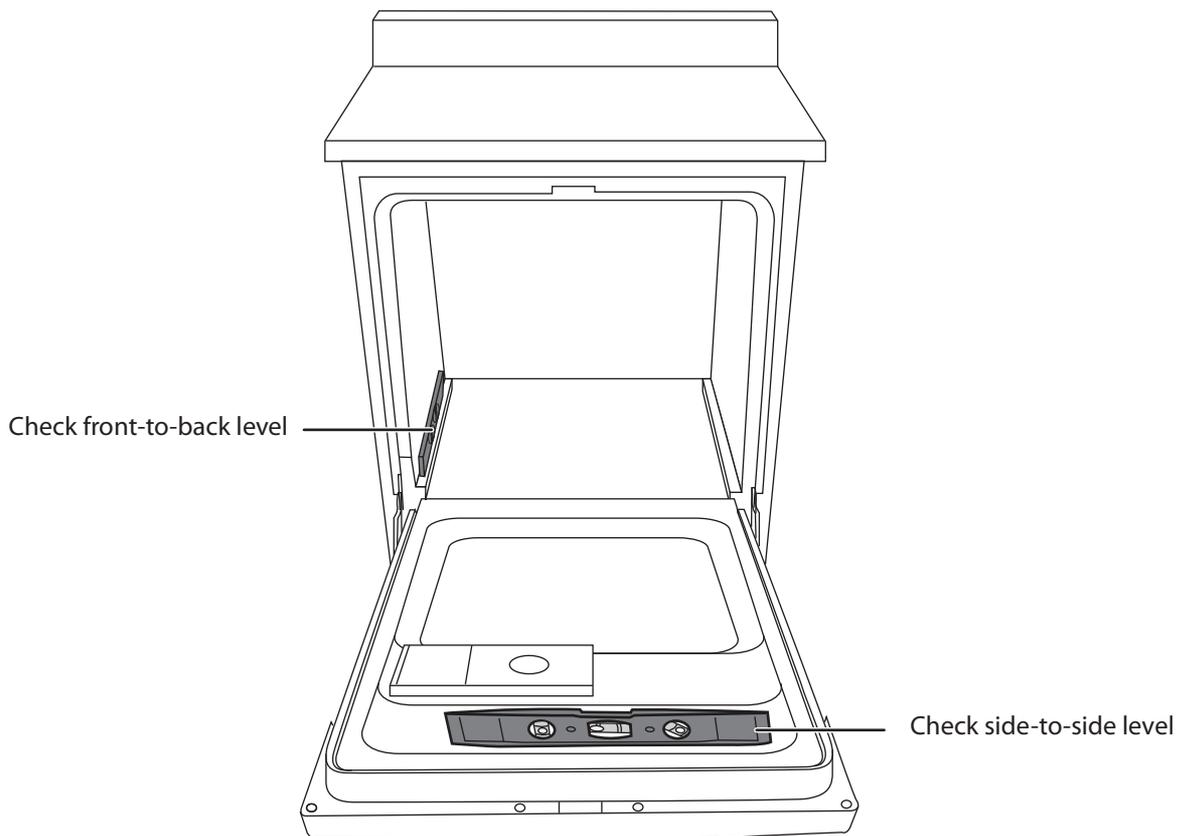
**Note:** You will not have access to the back leveling legs once the dishwasher is put in place.



## Step 10: Level the dishwasher

**IMPORTANT:** The dishwasher must be level for proper dish rack operation and wash performance.

- 1 Open the door, then place a level on the door and on the rack track inside the tub to make sure that the dishwasher is level.



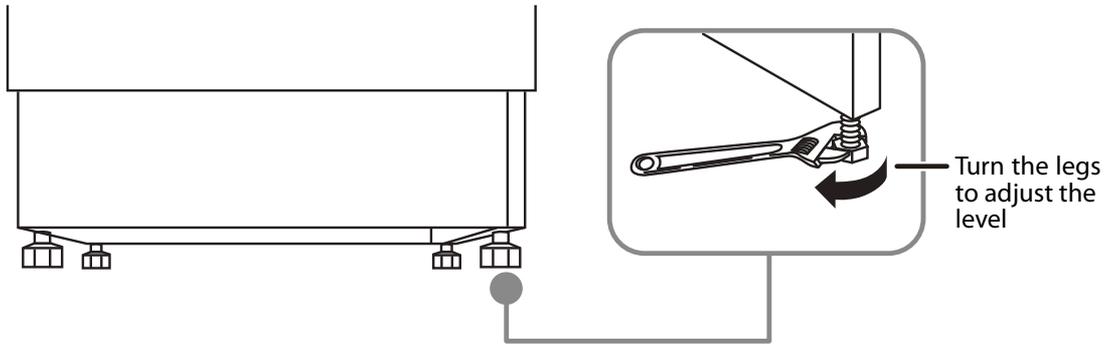
- 2 Level the dishwasher by adjusting the four leveling legs individually.

**Tip:** Pull the lower rack out about halfway. Make sure that the rack does not roll forward or back into the dishwasher. If the rack rolls in either direction, you must level the dishwasher again.

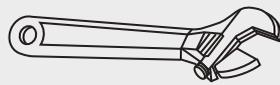
**Note:** You may need to pull your dishwasher out of the cabinet if major adjustments to the four leveling legs are required.

3 If the door hits the tub, the dishwasher is not installed correctly. Adjust the leveling legs to align the door to the tub.

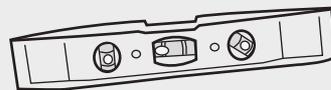
**Note:** Keep the dishwasher level.



### You'll need:



Adjustable wrench



Level

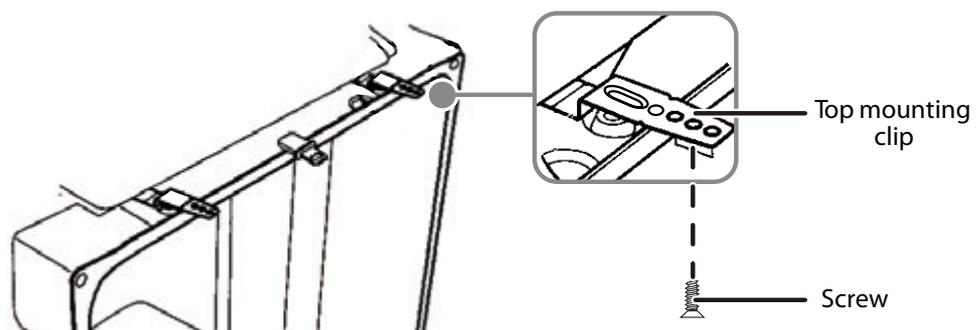
### Step 11: Securing the dishwasher to the countertop

- For countertops made of wood or materials that won't be damaged by drilling, use Method 1.
- For countertops made of granite, marble, or other materials that could be damaged by drilling, use Method 2.
- If the gap between the control panel and the cabinet is less than 0.4 in. (10 mm), use Method 2.

#### Method 1

- 1 Insert the long top mounting clips into the slot.
- 2 Bend the brackets to secure them to the dishwasher tub.
- 3 Secure the dishwasher to the countertop through the holes in the brackets, using the screws provided.

**IMPORTANT:** Drive the screws straight and flush. Protruding screw heads will scratch the top of the control panel and interfere with the door closing.

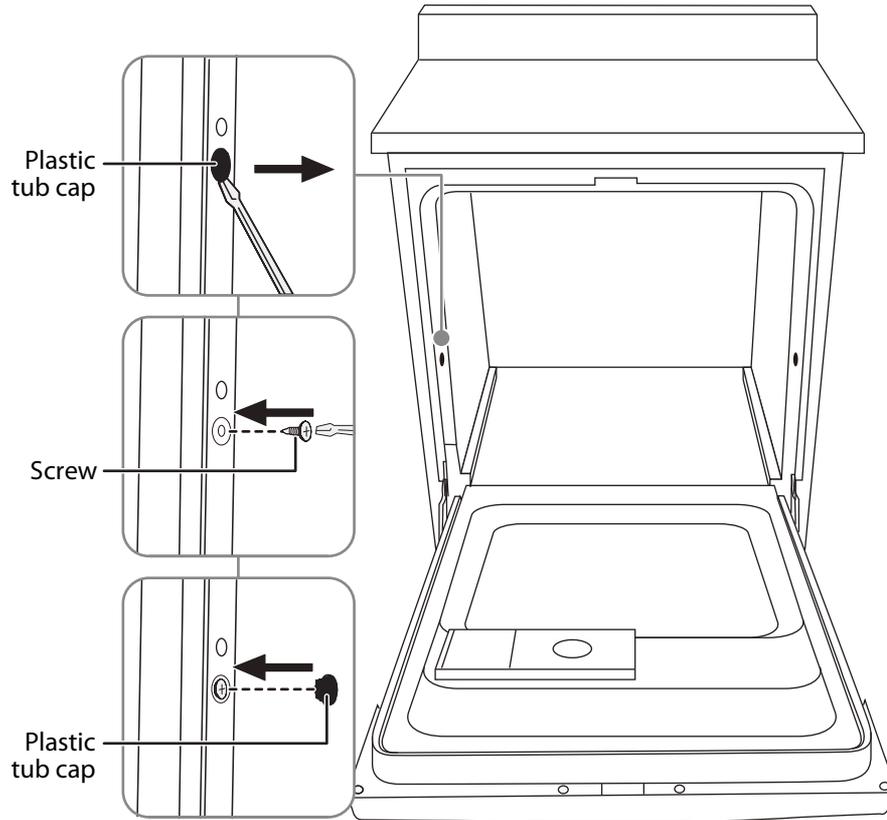


**Method 2**

- 1 Remove the plastic tub caps from the inside of the dishwasher tub.
- 2 Drive a wood screw through the hole in the side of the dishwasher into the cabinet frame.

**IMPORTANT:** Drive the screws straight and flush. Protruding screw heads will scratch the side of the dishwasher. This method is for attaching the dishwasher to the side of the cabinet, and it should be done when the countertop is made of granite or other breakable materials.

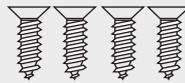
- 3 Reinsert the plastic tub caps.



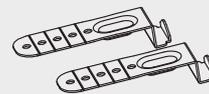
**You'll need:**



Phillips screwdriver



Wood screws (2)  
(two for each method)



Top mounting clips (2)

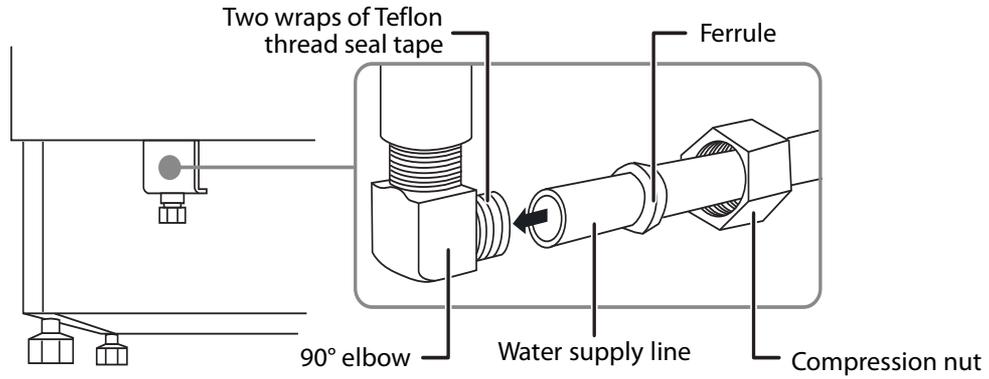
## Step 12: Connecting the water supply line

- 1 Make sure that you wrapped the 90° elbow with Teflon thread seal tape twice.
- 2 Slide the compression nut, then the ferrule over the end of the water supply line.

**Note:** If you have a steel-grated line, you do not need a ferrule or compression nut.

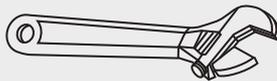
- 3 Insert the water supply line into the 90° elbow.
- 4 Slide the ferrule against the 90° elbow and secure it with the compression nut.

### Back of dishwasher

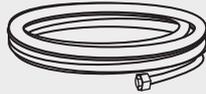


**IMPORTANT:** Make sure that the door spring does not rub or contact the water supply line or drain hose. Test by opening and closing the door. Reroute the lines if interference occurs.

### You'll need:



Adjustable wrench



Hot water line kit

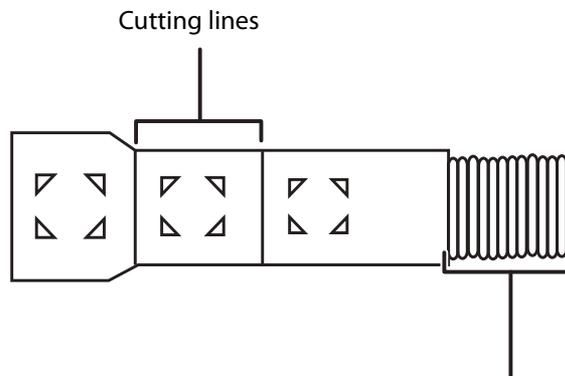


Teflon thread seal tape

## Step 13: Connecting the drain hose

**IMPORTANT:** Follow all local codes and ordinances.

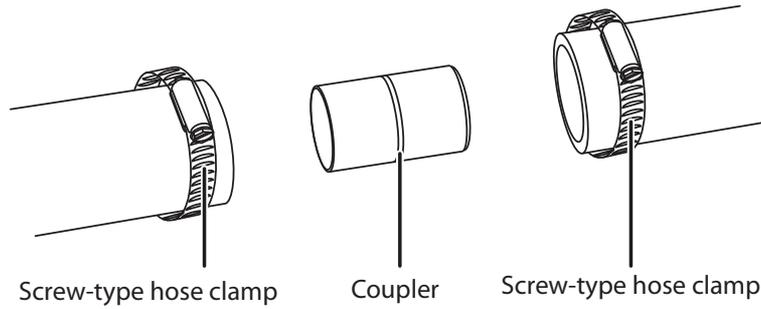
- 1 Cut on the marked line as required for your installation. The drain hose's molded end will fit 5/8" or 1" diameter connections on the air gap, waste tee, or garbage disposal.



**IMPORTANT:** Do not cut corrugated portion of hose

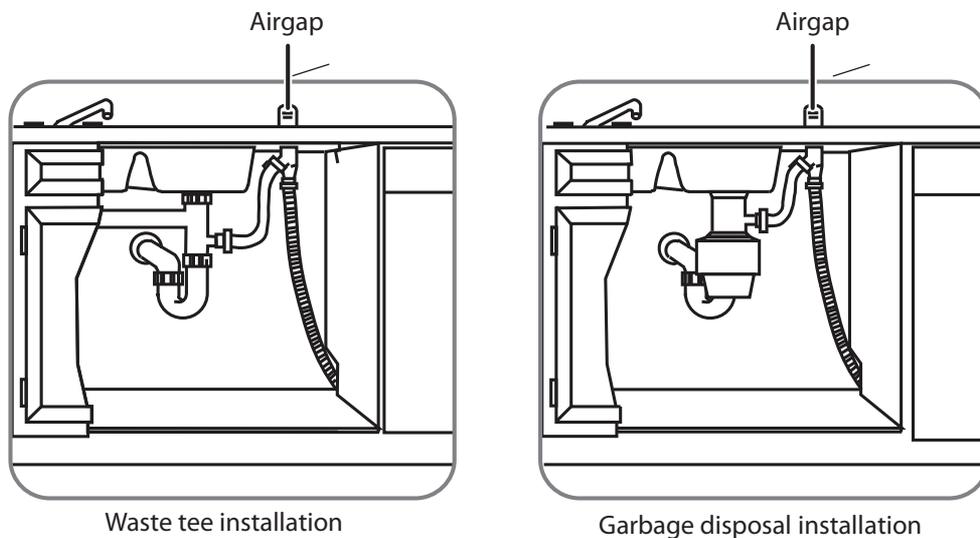
- If a longer drain hose is required, you can add up to 42" (1.1 m) of length, for a total of 10 ft. (3.01 m) to the factory installed hose. Use 5/8" or 7/8" inside diameter hose and a coupler to connect the two hose ends. Secure the connection with screw-type hose clamps.

**IMPORTANT:** For proper drain operation, the total drain hose length must not exceed 10 ft. (3.01 m).

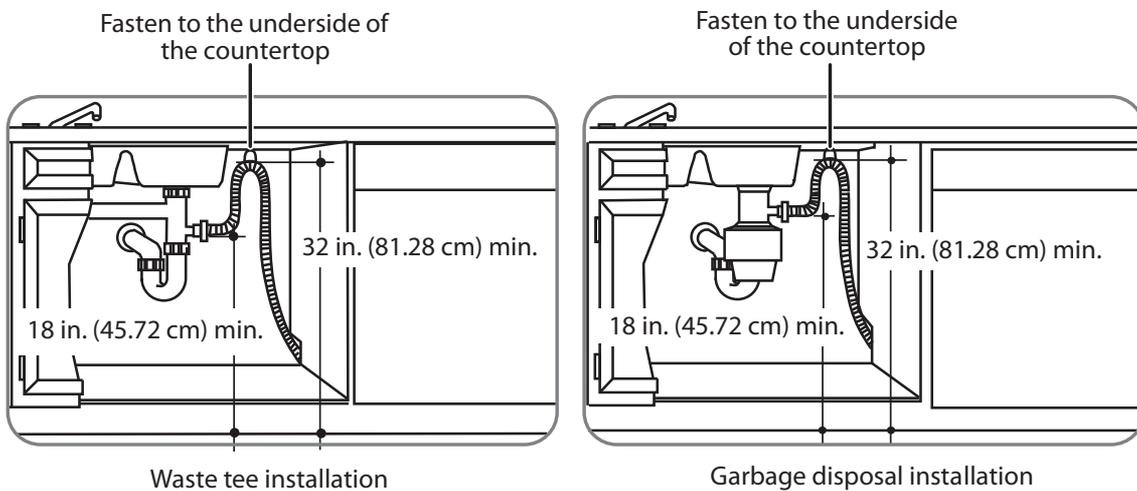


- Secure the drain hose to the air gap, waste tee, or garbage disposal with a screw-type clamp, using the appropriate method below. See "Drain preparation on page 6" on page 6, if you do not know which method to use.

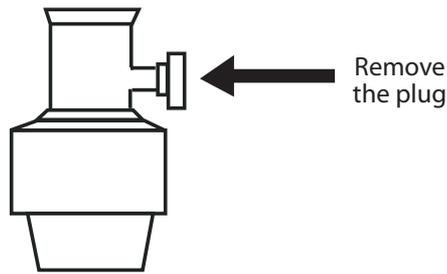
**Method 1 - Air gap to a waste tee or garbage disposal.**



**Method 2 - High drain loop to a waste tee or garbage disposal**



- 4 If connecting the drain line to a garbage disposal, make sure that the drain plug has been removed. Your dishwasher will not drain if the plug is left in place.



### You'll need:



Phillips screwdriver



Screw-type  
hose clamps



Coupler for  
extending drain line  
(if applicable)

### Step 15: Performing a pre-test check

Review this list after installing your dishwasher to avoid problems or charges for a service call not covered by your warranty.

- Make sure that power is turned OFF.
- Open the door and remove all foam and paper packaging.
- Locate the *User Guide* in the literature package.
- Read the *User Guide* for operating instructions.
- Check the door opening and closing. If the door does not open and close freely, or tends to fall, check the spring adjustments. See [Step 1: Check the door balance on page 10](#).
- Make sure that the wiring is secure under the dishwasher and not pinched or in contact with door springs or other components. See [Step 9: Position the dishwasher under the countertop on page 16](#).
- Check the door alignment with the tub. If the door hits the tub, level the dishwasher. See [Step 10: Level the dishwasher on page 16](#).
- Pull the lower rack out about half way. Make sure that it does not roll back or forward on the door. If the rack moves, adjust the leveling legs. See [Step 10: Level the dishwasher on page 16](#).
- Check the door alignment with the cabinet. If the door hits the cabinet, reposition or relevel the dishwasher. See [Step 10: Level the dishwasher on page 16](#).
- Make sure that water supply and drain lines are not kinked or in contact with other components. Any contact with the motor or dishwasher frame could cause a noise. See [Step 8: Slide the dishwasher partially into the cabinet on page 15](#).
- Turn on the sink hot water faucet and verify the water temperature. Incoming water temperature must be between 120°F and 150°F. A minimum of 120°F temperature is required for best wash performance. See [Preparing the hot water line on page 9](#).
- Add a half gallon (2 l) of water to the bottom of the dishwasher to lubricate the pump seal.
- Turn on the water supply. Check for leaks. Tighten connections if needed.
- Remove any protective film (if present) from the control panel and door.

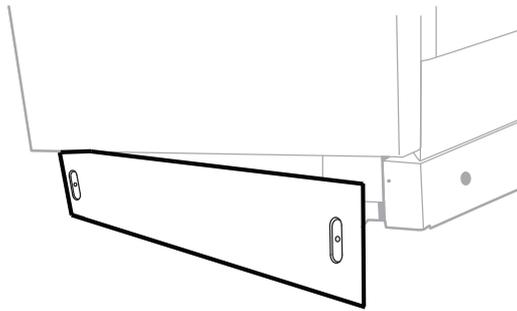
## Step 16: Wet testing the dishwasher

- 1 Turn on the power supply (or plug the power cord into the outlet, if equipped).
- 2 Turn on your dishwasher (refer to the *User Guide* for instructions).
- 3 Close the door, select the Rinse only cycle, and press **START/Cancel**.
- 4 Make sure that water enters the dishwasher. If water does not enter the dishwasher, check to be sure that water and power are turned on.
- 5 Check for leaks under the dishwasher. If a leak is found, turn the power supply off, then tighten connections. Restore power after the leak is corrected.
- 6 Check for leaks around the door. A leak around the door could be caused by door rubbing or hitting against adjacent cabinetry. Reposition the dishwasher if necessary. See "Step 9: Position the dishwasher under the countertop on page 16" on page 16.
- 7 When the dishwasher is draining, check the drain lines. If leaks are found, turn power off at the breaker and correct plumbing as necessary.
- 8 Restore the power after corrections are made. See "Step 12: Connecting the water supply line on page 19" on page 19.
- 9 Open the dishwasher door and make sure that most of the water has drained. If not, check that the disposer plug has been removed and/or the air gap is not plugged. See "Step 13: Connecting the drain hose on page 19" on page 19. Also check the drain line for kinking.
- 10 Run the dishwasher through another fill and drain cycle. Check for leaks and correct if required.

## Step 17: Replacing the toekick

- Place the toekick against the legs of the dishwasher. The slots should align with the toekick bracket screw holes. Allow the toekick to touch the floor. Install the toekick screws.

**Note:** Make sure that you install the toekick in the correct direction. The toekick should be aligned correctly with the junction box.



### You'll need:



Phillips screwdriver



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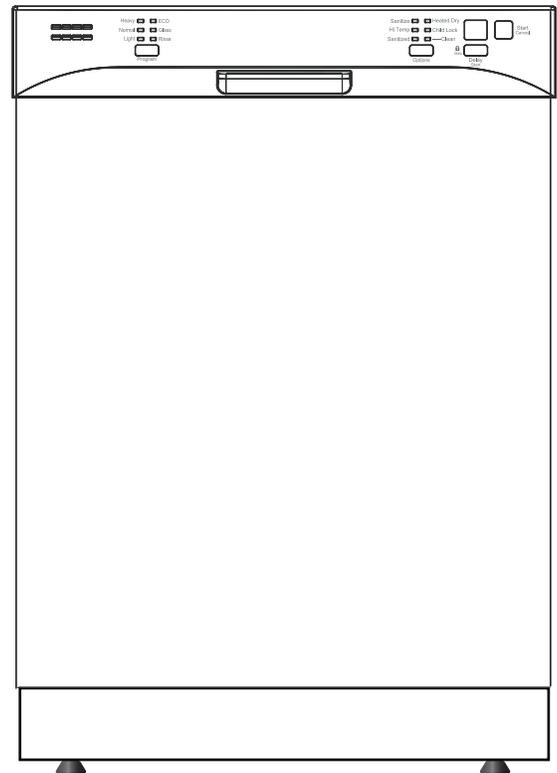
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392 Hwy 321 Bypass South, Winnsboro, SC 29180

# Technical Service Guide

## Built-In Dishwasher with Front Control

ENB6632PEBB  
ENB6632PEBS  
ENB6632PEBW





### **IMPORTANT SAFETY NOTICE**

The information in this service guide is intended for use by individuals possessing adequate backgrounds of electrical, electronic, and mechanical experience. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, nor can it assume any liability in connection with its use.

### **WARNING**

To avoid personal injury, disconnect power before servicing this product. If electrical power is required for diagnosis or test purposes, disconnect the power immediately after performing the necessary checks.

### **RECONNECT ALL GROUNDING DEVICES**

If grounding wires, screws, straps, clips, nuts, or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.

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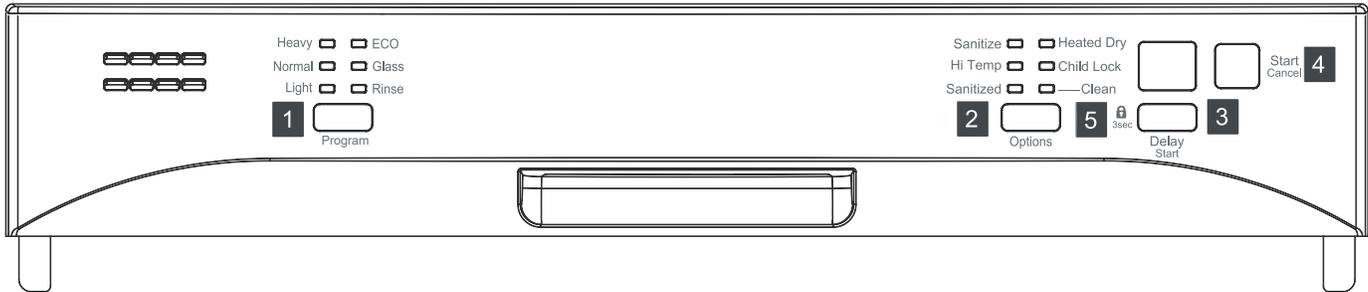
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# Control Features



## 1 Program

With the dishwasher door closed, you can press the Program button to select the wash cycle. A light on the display will indicate which cycle has been selected.

### Wash Cycle Selections

#### Heavy Wash

This cycle is for hard-to-clean, heavily soiled dishes, pots, pans and dishes.

#### Normal Wash

This cycle is for regularly soiled dinner dishes or silverware.

#### Light Wash

This cycle is for lightly soiled and pre-rinsed dishes and silverware.

#### Eco

This cycle is for all items. It can determine the condition of soil on the dishes and initiate the optimal cycle to obtain the best cleaning performance.

#### Glass

This cycle is for delicate dishes or glasses.

#### Rinse Wash

This cycle is for pre-rinsing dishes or glasses. This is only a rinse that keeps food from drying on your dishes and reduces odor buildup in your dishwasher until you are ready to wash a full load. Do not use detergent.

## 2 Options

When the wash cycle has been selected, you can choose the option by pressing the "Options" button.

### About the Options

#### Sanitize

To sanitize your dishes and glassware, select the Sanitize option. When selected, the light above the pad will turn on and remain on until end of cycle. The water temperature in the final rinse will be raised. The option is available in Heavy, Normal, Light and ECO wash.

#### Hi-Temp Wash

This option can increase the water temperature in the main wash and rinse. This increase in water temperature helps the dishwasher detergent remove food, grease and soil from dishes more effectively. The option is available in Heavy, Normal, Light and ECO wash.

#### Heated Dry

This option is available on all cycles except rinse only. The Heated Dry option, in combination with rinse aid, will enhance drying performance. You can turn this option off by pressing Heated Dry so the light goes off during the period of the washing.

### 3 Delay Start

To delay the start of a selected cycle, press Delay Start pad until the desired delay time shows in the LED indicator. This allows you to automatically start your dishwasher for a 1 to 24 hour delay.

To cancel the Delay Start option and begin the cycle before the delay period is over press the Start/Cancel pad.

### 4 Start/Cancel

Push door firmly closed. The door latches automatically. Select the wash cycle and options desired, the indicator light above the pad will turn on. To start press the Start/Cancel key once, the light will glitter and the wash action begins. To cancel when a cycle is running, press Start/Cancel pad once and the dishwasher will start a 60 second drain and then shut off. At the end of the drain, you can select the desired cycle.

When you want to load more dishes or pause the dishwasher while it is already running, make sure to open the door slowly and carefully as there is a possibility of injury from the hot steam inside the dishwasher. You can add more dishes before the main wash starts. Open the door and check the detergent dispenser. If the main wash section of the detergent dispenser is still closed, you can add items. If the door is opened while the dishwasher is running, a safety mechanism is activated and stops the cycle.

### 5 Child Lock

You can lock all controls to prevent children from accidentally changing the dishwasher cycle or starting the dishwasher.

Press and hold the Delay Start pad for 3 seconds the lock graphic light will turn on.

To unlock the control press and hold the Heated Dry pad for 3 seconds, the lock graphic light will turn off.

## Indicator Light

### Sanitized

When the "sanitize" option is selected, the temperature of the water will reach a maximum of 70°C (158°F).

**Certified residential dishwashers are not intended for licensed food establishments. The sanitize cycle is NSF certified.**

**Warning: The sanitize option is available with Heavy, Normal, Light and ECO cycle.**

## Status Window

### 01-24

If the Delay Start option is selected, the number of delay start hours shows in the Status Window. If the dishwasher is working and the wash cycle time is more than a hour, number of hours and minutes left shows alternately in the Status Window.

### CL

Flashes once the program has been entered and the Start/Cancel key is pressed. It also flashes if the door is opened during a wash cycle. Close the dishwasher door to begin or continue a wash cycle.

### MINUTES

Number of minutes left in a cycle (0-59 or 1H-2H). It shows hours and minutes alternately.

**Note :** In standby mode, if there is not any button operation or door opening and closing operation for 3 minutes, the dishwasher will enter a power-saving state, all displays will be turned off. If there is any button operation or door opening and closing operation, the display will be turned on, and the time will be counted again for 3 minutes.

## Cycle Chart

### NOTE

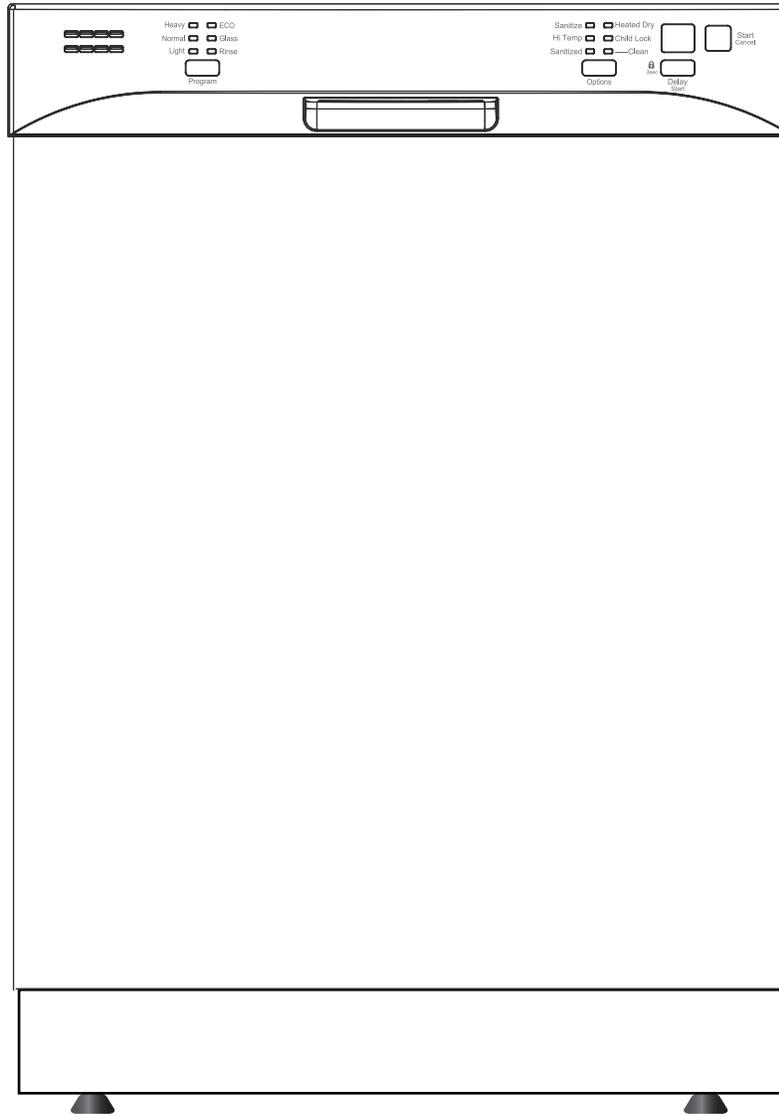
The remaining could suddenly increase or drop several minutes. This means the Smart Sensor has checked the soil level and determined if additional water fills are needed or if water fills can be deleted.

Program	Description of Cycle	Detergent(g)	Water(L)	Running time (min)	Running time with Hi temp(min)	Running time with Sanitize (min)
Heavy	Pre Wash	0/9.9	22.8	140	150	170
	Pre Wash					
	Wash(48°C)					
	Rinse					
	Rinse					
	Rinse(58°C)					
Normal	Drying	AHAM/CU Test : 0/19.9 DOE Test : 0/9.9 CU Test : 15/15	10.8~23.0	105~135	130	135~165
	Pre Wash					
	Auto(42~48°C)					
	Rinse(50~58°C)					
Light	Drying	0/9.9	11.4~19.3	115~120	125~130	145~150
	Pre Wash					
	Auto(42°C)					
	Rinse(58°C)					
ECO	Drying	0/9.9	19.3	105	115	150
	Pre Wash					
	Pre Wash					
	Wash(40°C)					
	Rinse					
	Rinse(50°C)					
Glass	Drying	0/9.9	19.3	120	/	/
	Pre Wash					
	Pre Wash					
	Wash(48°C)					
	Rinse					
	Rinse(58°C)					
Rinse		0	8.0	20	/	/

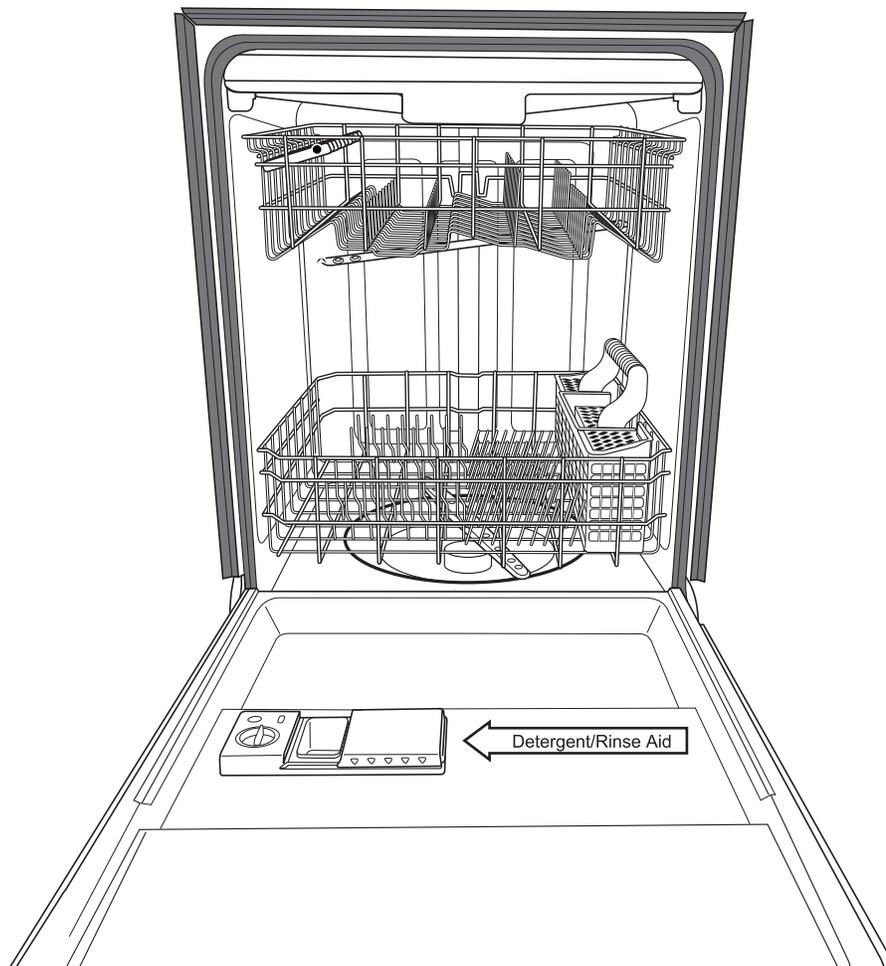
**NOTE:** The NSF certified is Normal/Auto Cycle with the sanitize option selected.  
The CU test is Normal Cycle with the hi temp option selected.

# Component Location Views

## Front View



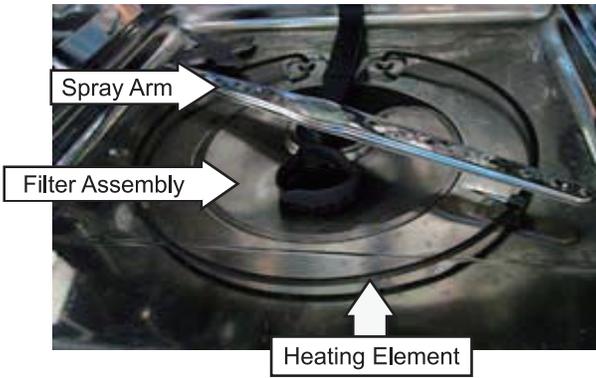
## Interior View



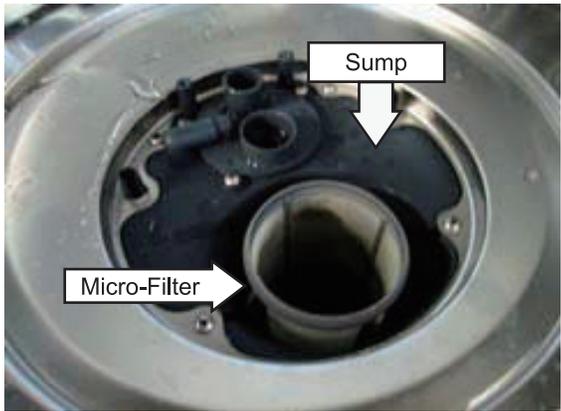
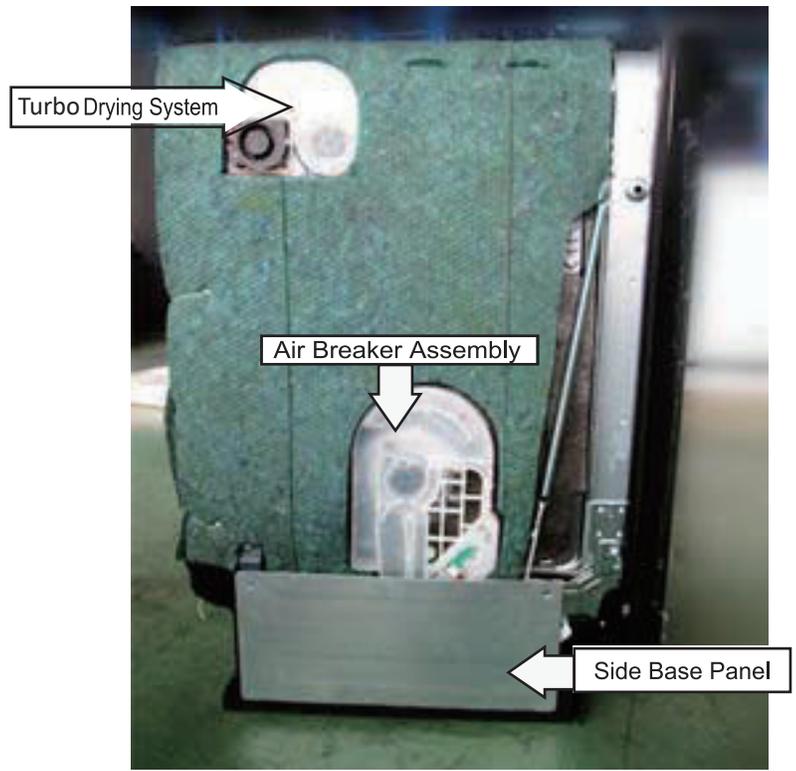
## Detergent/Rinse Aid Compartment View



**Interior View of Basin**



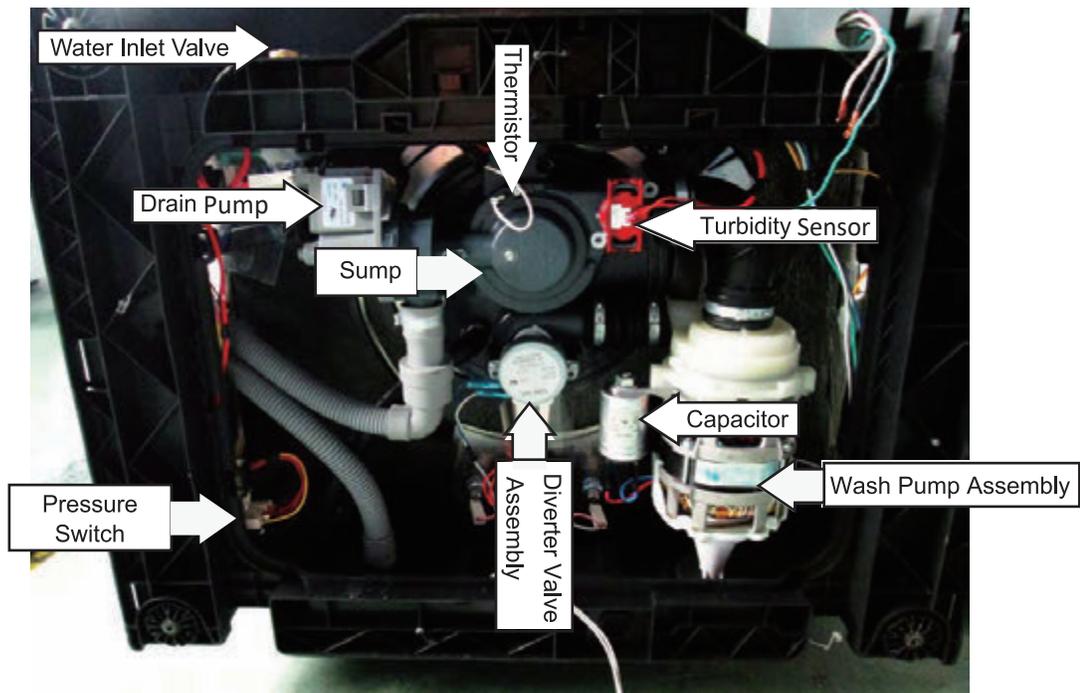
**Light Side View**



**Bottom View**

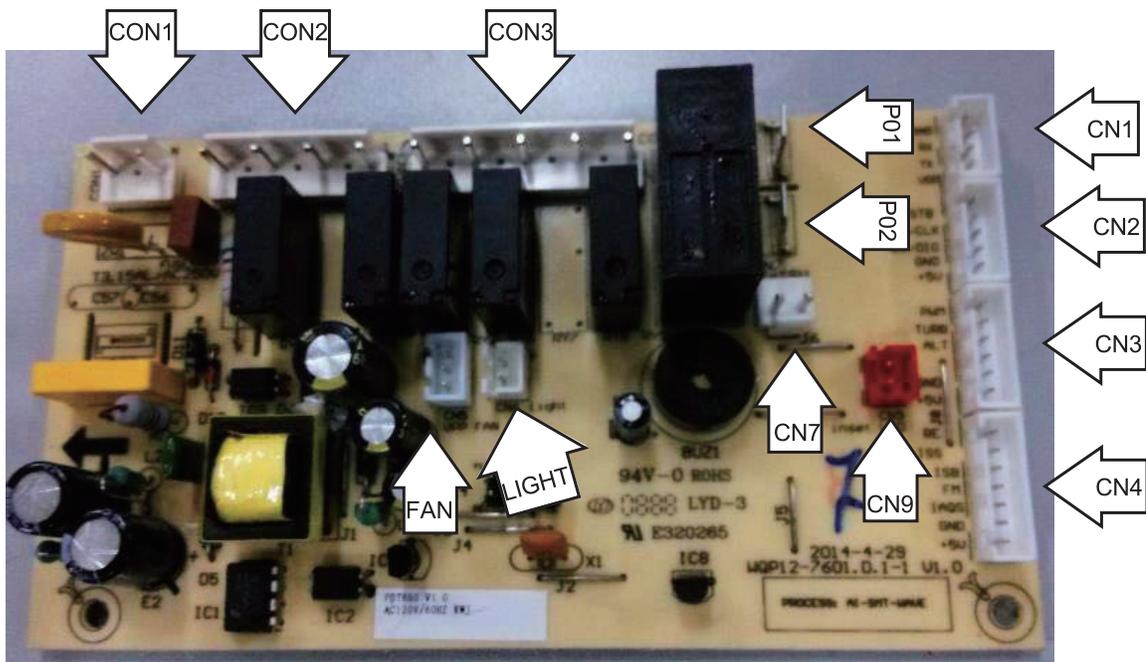
**Note:** Drain hose is shown in shipping configuration.

Front



Back

# Control Board Connector Locator View



CON1 L-N

CON2 120 VAC output:  
Pin 1 = door switch;  
Pin 2 = wash pump;  
Pin 3 = not used;  
Pin 4 = storm wash pump;

CON3 120VAC output:  
Pin 1 = water inlet ;  
Pin 2 = L ( for water inlet );  
Pin 3 = dispenser;  
Pin 4 = not used ;  
Pin 5 = drain pump ;

P01 P02 Heater;

CN1 Not used;

CN2 Connected to display board;

CN3 Turbidity and diverter valve detection;

CN4 Rinse aid/ flow metre/ water flood ditective connection;

CN7 Not used;

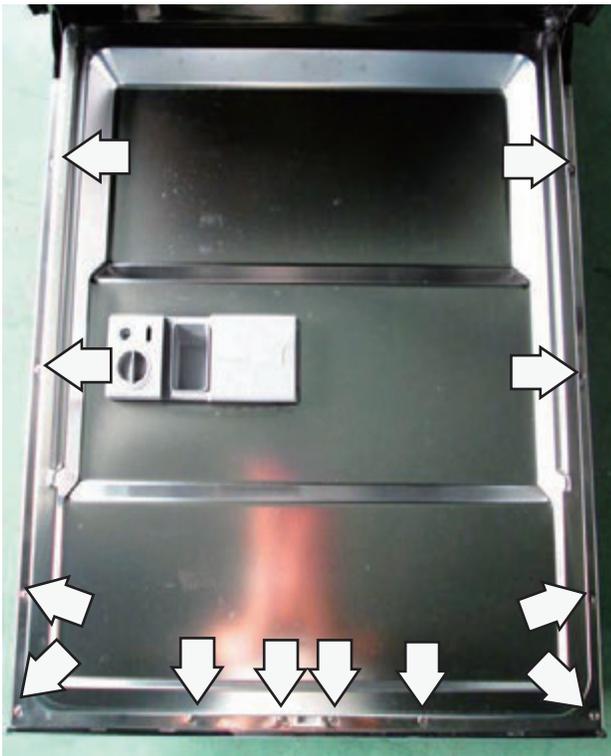
CN9 Not used;

# Dishwasher Components

## Outer Door Panel

The outer door panel covers the door to the dishwasher and must be removed to access the control panel, detergent/rinse module, bottom door seal.

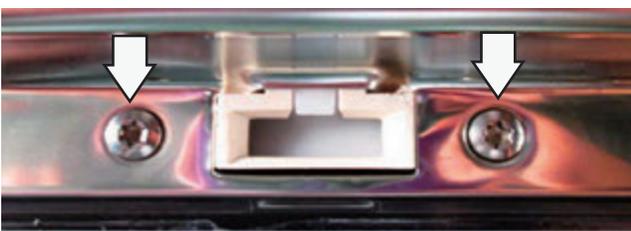
To remove the outer door panel, remove 12 Phillips-head screws, and then lower the door panel from the control panel.



## Control Panel

To remove the control panel:

1. Remove the outer door panel. (See **Outer Door Panel**.)
2. Remove 2 Phillips-head screws from door latch.



3. Tilt the control panel out to clear lip and remove.

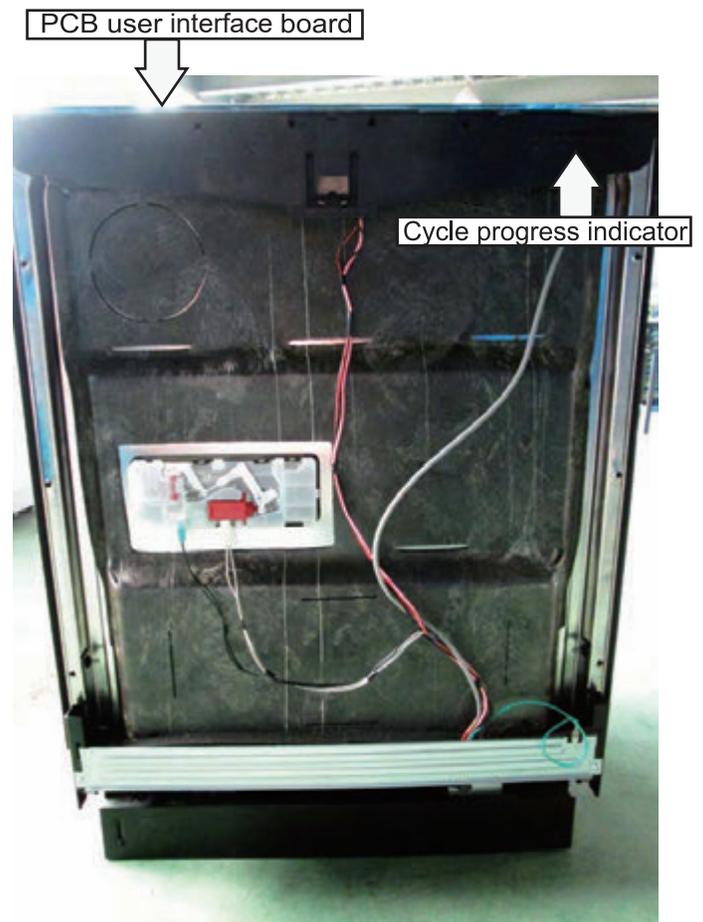
**Note:** The escutcheon console cover or top trim with lettering is replaced using adhesive.

## Control Assembly

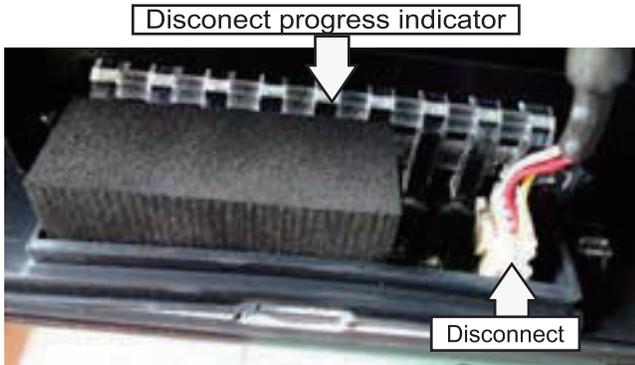
The control assembly consists of PCB user interface board and Cycle Progress Indicator.

To remove the PCB user interface assembly:

1. Disconnect the power supply to the dishwasher.
2. Remove the control panel. (See **Control Panel**.)



4. Disconnect 1 wire harness from the cycle progress indicator.
5. Disconnect the cycle progress indicator.



**Note:** The PCB user interface board is **past**ed to the control panel. If you want to change the PCB user interface board, you should disconnect the control panel assembly and change the new one.

## Door Switch Assembly

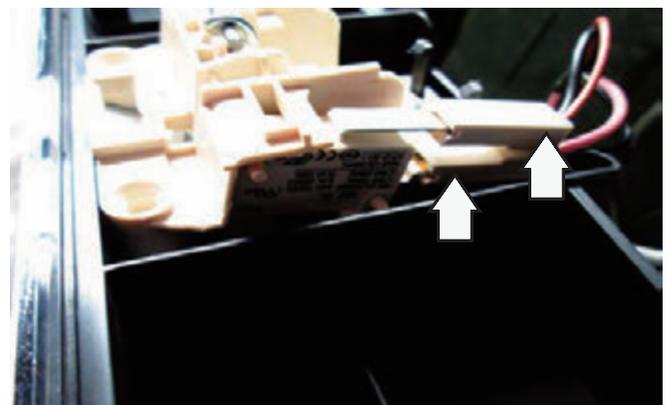
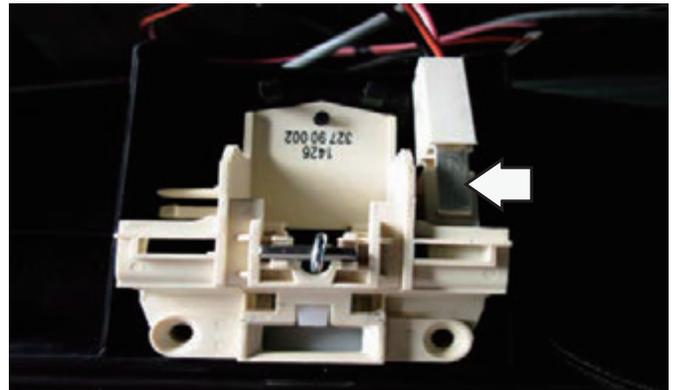
The door switch assembly consists of 1 switch activated by a spring-loaded plunger. The door switch connects or disconnects the line (hot) side of 120 VAC.

**WARNING:** Power remains applied to the controller location at CN2, Pin 1, while the door is open (unlatched).

When the door is in the closed position, the door latch presses and holds down the switch plunger on the door switch assembly. This action holds the door firmly against the seal, and the normally open contacts of the door switches are closed.

### To remove the door switch assembly:

1. Disconnect the power supply to the dishwasher.
2. Remove the control panel. (See **Control Panel**.)
3. Disconnect the 2 wiring harnesses from the door switch.

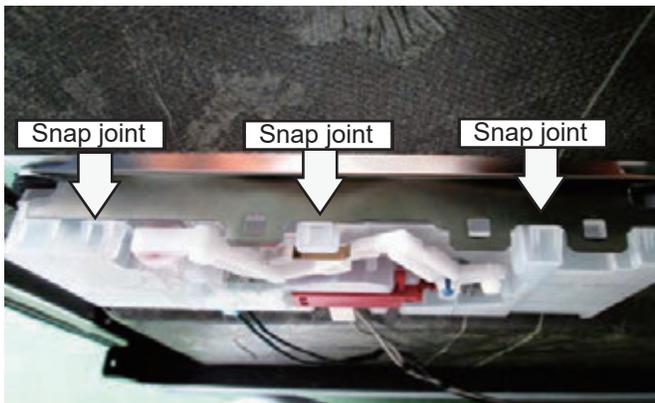
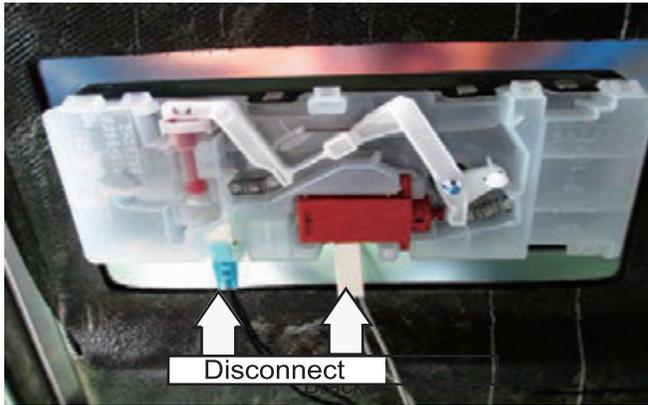


## Detergent/Rinse Module

The control panel must be removed to access the detergent/rinse module. (See **Control Panel**.)

The detergent/rinse module is connected by 4 wires and held in place by snap joints.

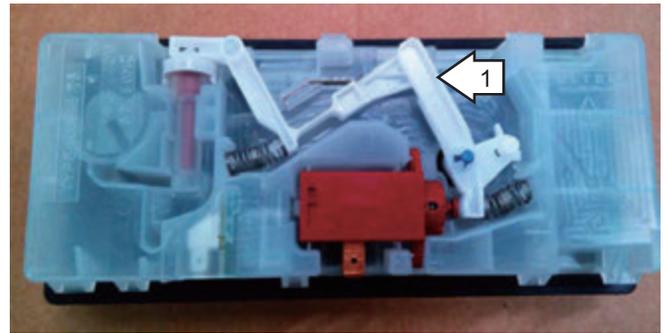
The detergent/rinse module operates on 120 VAC



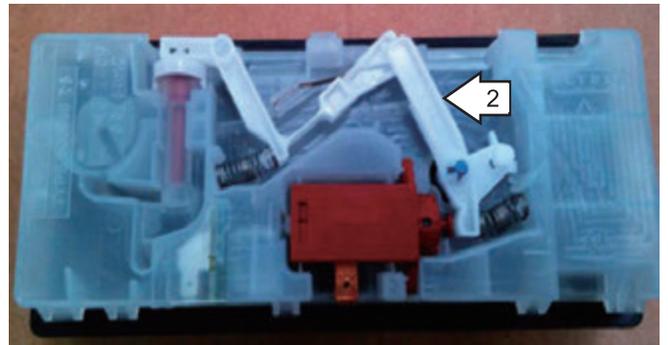
The detergent/rinse module automatically dispenses both the detergent and the rinse agent at the appropriate times. The module is activated twice during a wash cycle. Detergent is dispensed at the beginning of the main wash cycle and rinse agent at the beginning of the final rinse.

Operation of the detergent/rinse module can be checked by using the service test mode. (See **Service Test Mode**.)

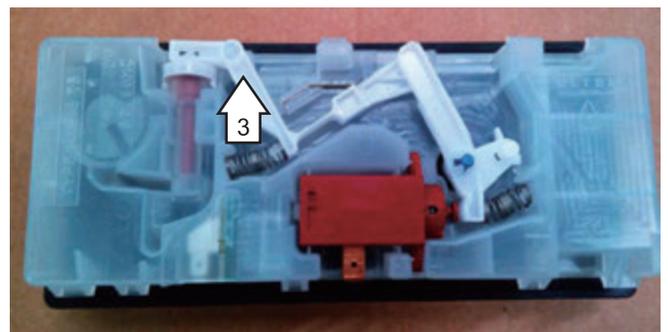
The first time the module is activated, the lever slides up the upper path of the connecting rod (1). This action releases the detergent cover.



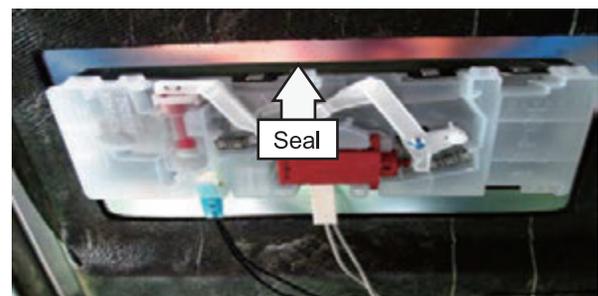
When deactivated, the lever returns down the lower path and comes to rest under the notch (2) in the center of the connecting rod.



At the second activation, the lever lifts the connecting rod by the notch. This action lifts the rinse dispenser plunger (3) and releases the rinse agent. When deactivated, the lever returns to its original starting position.



**Note:** Make sure the rubber seal is retained in the recessed groove before reinstalling the module to the door assembly.



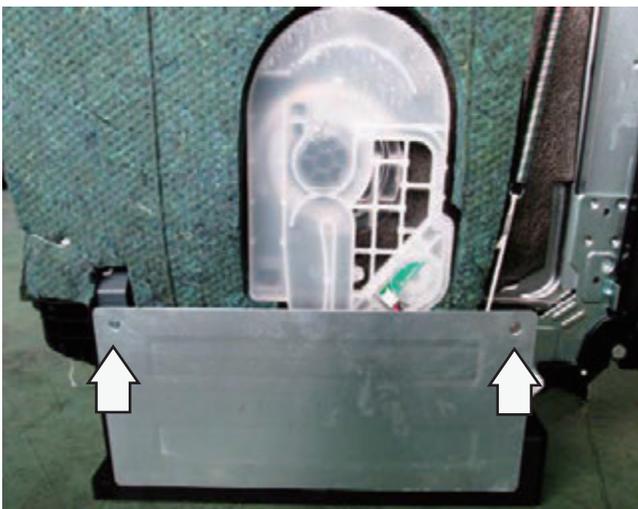
## Inner Door Panel

To remove the inner door panel:

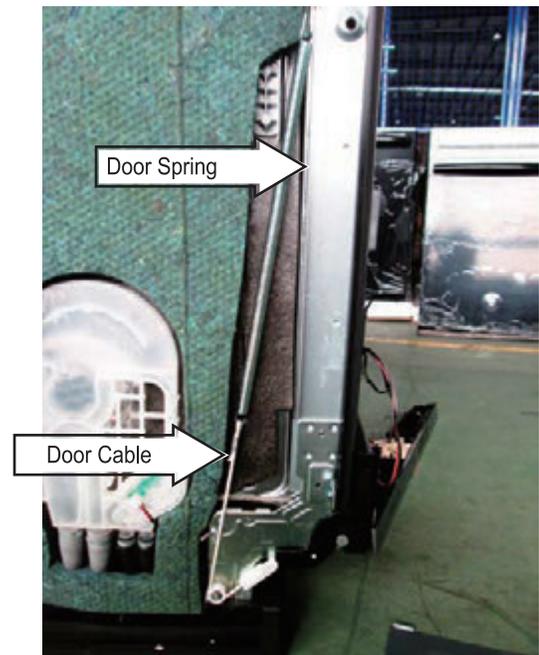
1. Disconnect power.
2. Remove the control panel. (See *Control Panel*.)
3. Remove the detergent/rinse module. (See *Detergent/Rinse Module*.)
4. Remove the 2 Phillips-head screws from the hinge plate .



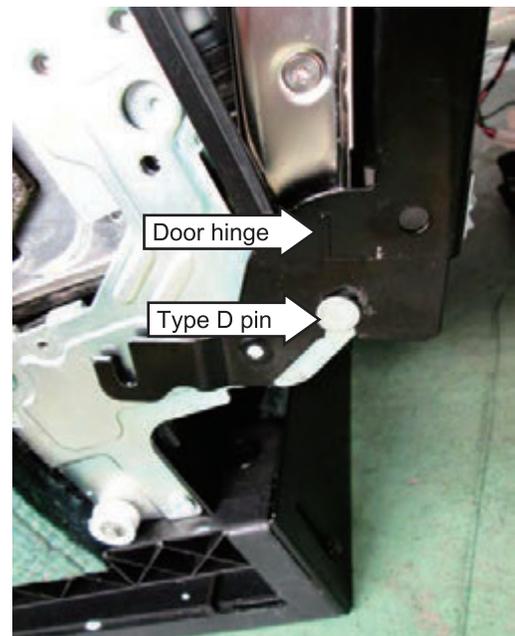
5. Remove the 2 Phillips-head screws from the Base side panel on each side.



6. Disconnect door spring and door cable .



7. Open the inner door at 10°, and lift the door until the door hinge separate from the type D pin.



## Door Bottom Seal

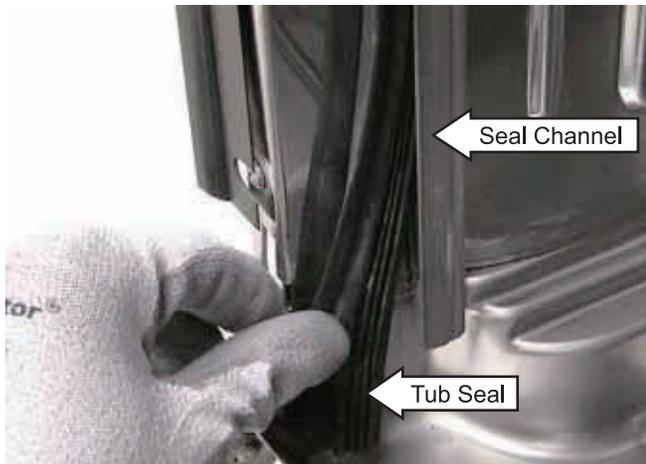
The door bottom seal prevents water leakage by sealing between the bottom of the door and the tub. It is not replaced as a separate part on this dishwasher. It is replaced as part of the inner door panel. (See *Inner Door Panel*.)

## Tub Gasket and Trim

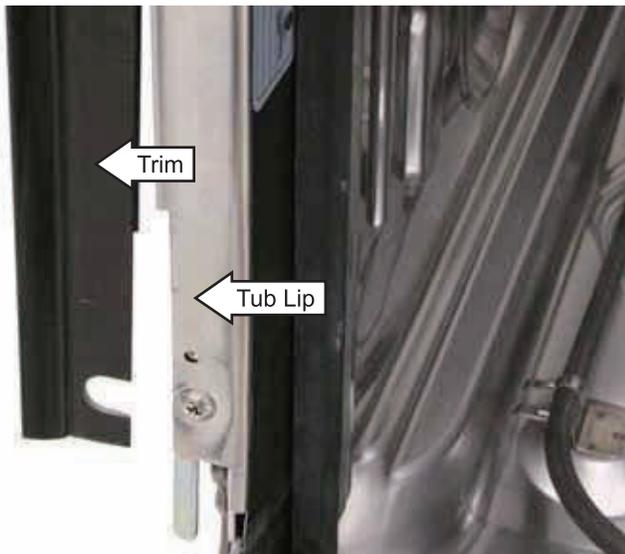
The dishwasher tub seal prevents water leakage. The seal is fitted in a seal channel that lines the rim of the dishwasher tub.

### To remove the tub seal or trim:

1. Open the dishwasher door.
2. Remove the dishwasher tub seal by grasping one end of the seal to peel it away from the seal channel.



3. Remove the dishwasher trim by pulling the trim straight off the lip of the tub.



4. Reverse the above procedures to install.

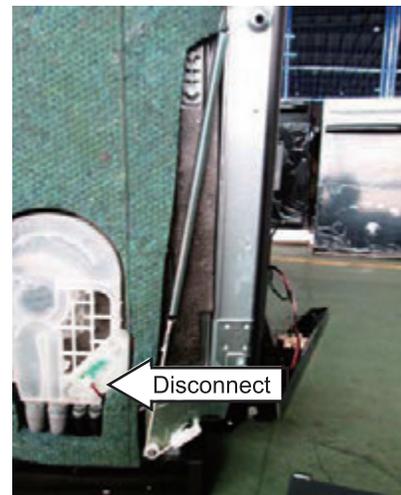
**Note:** When installing the tub seal, make sure it is seated properly in the seal channel. Run your finger over the seal to make sure it is smooth and even for a proper seal. A correctly installed gasket will have both ends of the gasket equally distant from the bottom of the tub.

## Air Breaker Assembly

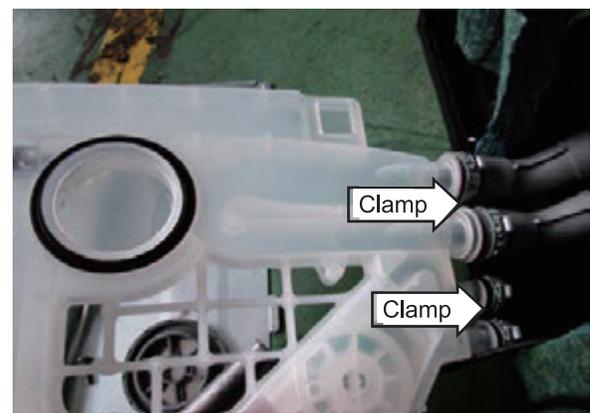
The Air breaker assembly is mounted on the left side of the tub. Its purpose is to provide a method of supplying water for the wash and rinse cycles. The air gap prevents the siphoning of wash water from flowing back into the water supply system, should the water pressure drop to less than atmospheric pressure. The Air breaker assembly also allows air into the tub for drying dishware.

### To remove the air breaker assembly:

1. Disconnect the power.
2. Remove the base side panel.
3. Disconnect 1 wire harness from the air breaker assembly.



4. Open the door and rotate the air breaker nut and remove it from the air breaker assembly.
5. Remove the 4 clamps from the pipes.

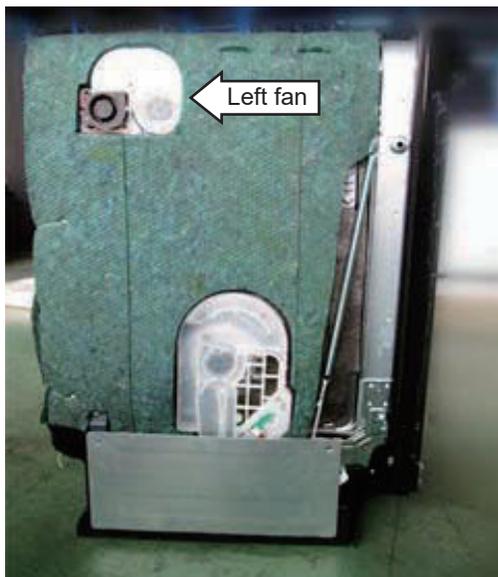


## Turbo Dry System

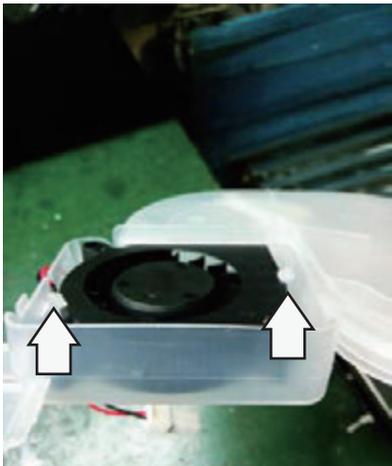
The Turbo Dry System has 2 fans. One is on the left of the tub. Its purpose is to provide air from outside to the tub. The other one is on the right side of the tub. Its purpose is to discharge hot air from tub to the outside. 2 fans work together to supply the airflow for drying dishware.

### To remove the left fan:

1. Disconnect the power.
2. Remove the side base panel.
3. Disconnect 1 wire harness from the left fan.



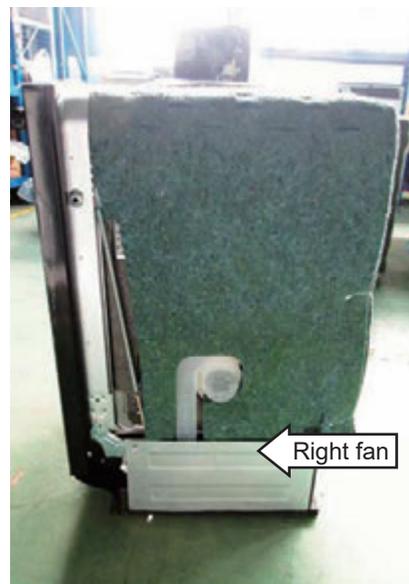
4. Open the door and rotate the fan nut and remove it from the left fan.



5. The left fan is using 2 snap joints to fasten, release snap joints and take the DC fan motor out.

### To remove the right fan:

1. Disconnect the power.
2. Remove the side base panel.

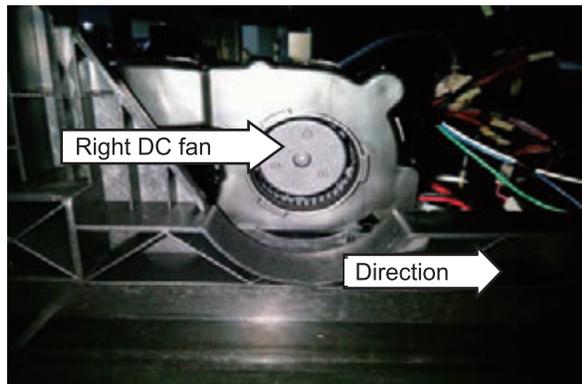
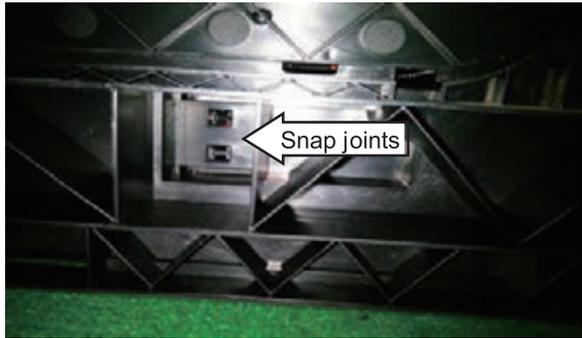


3. Open the door and rotate the fan nut and remove it from the left fan.
4. Remove the condenser in the direction shown in the figure.

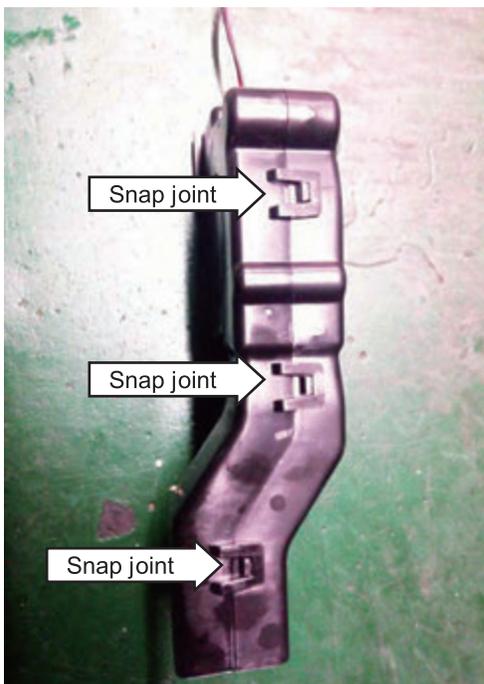


5. Disconnect 1 wire harness from the right fan.

6. Lay the dishwasher on its back.
7. The right DC fan is using 2 snap joints to be fasten to the base. Remove it in the direction shown in the figure.



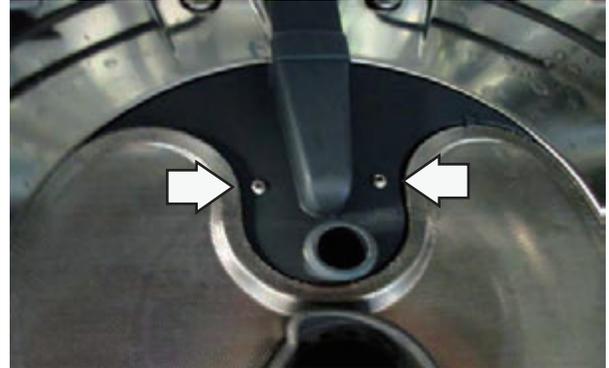
8. Release the snap joints and take the right DC fan motor out.



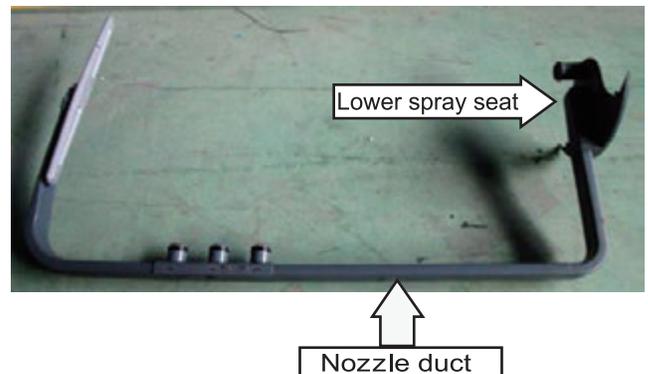
## Nozzle Duct

### To remove the nozzle duct :

1. Disconnect power.
2. Open the door, and remove the 2 Phillips-head screws on the lower spray seat.



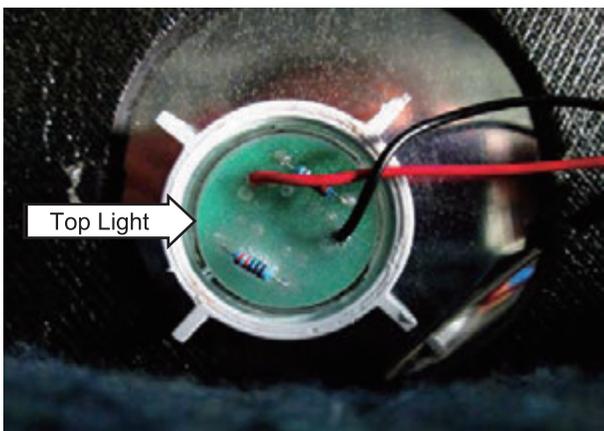
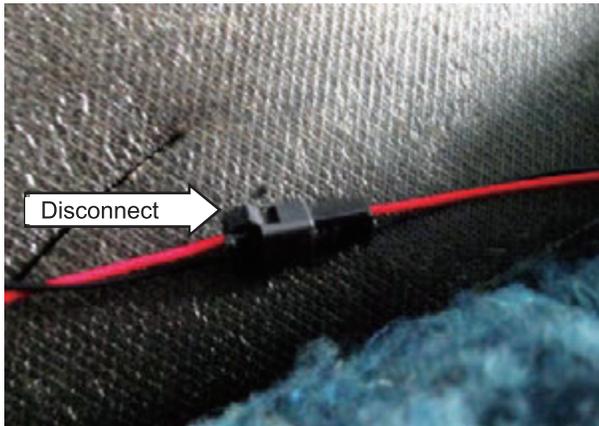
2. Release the snap joints shown in the figure. Then take out the nozzle duct and lower spray seat.



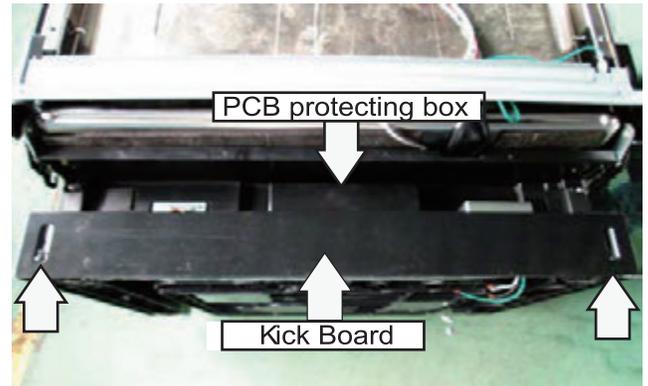
## Top Light

### To remove the Top Light:

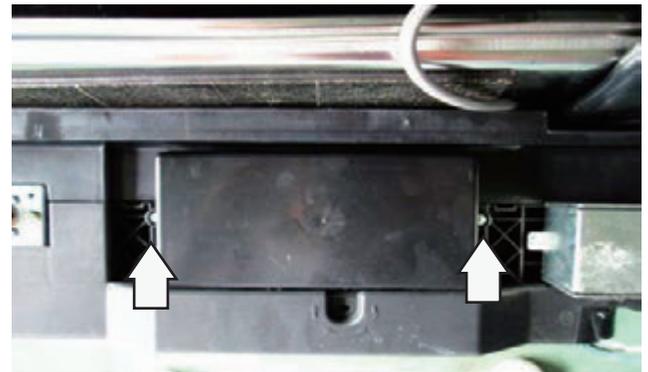
1. Disconnect power.
2. Remove the insulation.
3. Disconnect the 1 harness from the Top light.
4. Remove the top light.



4. Remove 2 Phillips-head screws on the kick board.

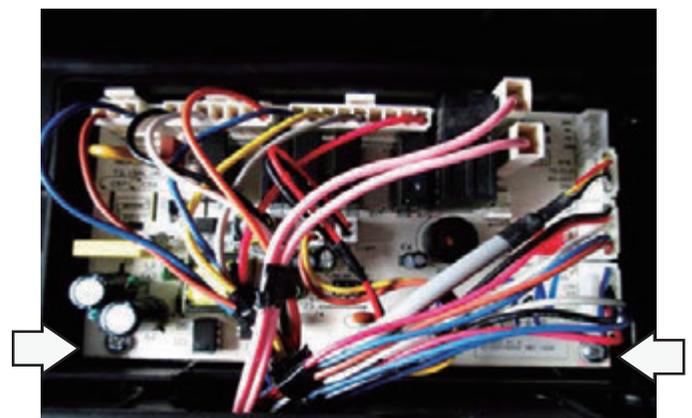


5. Remove 2 Phillips-head screws on the PCB protecting box.



6. Remove 2 Phillips-head screws that attach PCB to the PCB board.

7. Disconnect the wire harnesses from the PCB



## PCB

Printed Circuit Board is the center of the dishwasher, which receives and processes the signals from components, send order to components and deals with the feedback information, etc.

### To remove the PCB Power Board:

The PCB can be removed from the protecting box at the bottom of the machine.

1. Disconnect the power.
2. Take out cutlery basket, basket and filter system
3. Lay the dishwasher on its back.

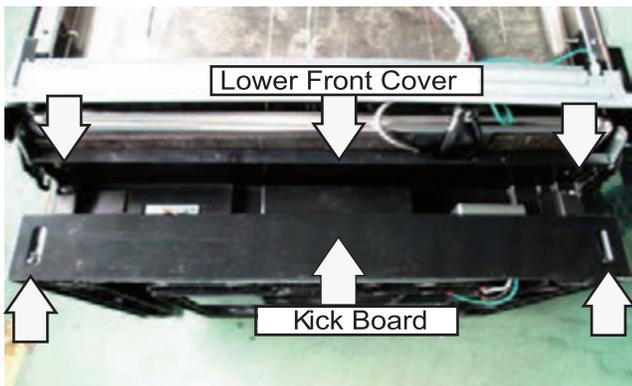
## Water Inlet Valve

The water inlet valve is electronically controlled and solenoid-operated. The water valve has an approximate resistance value of 1 K $\Omega$

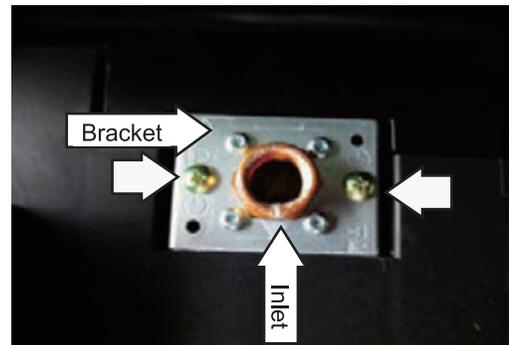
The water valve is mounted on a bracket located on the left side of the front brace.

### To remove the water valve:

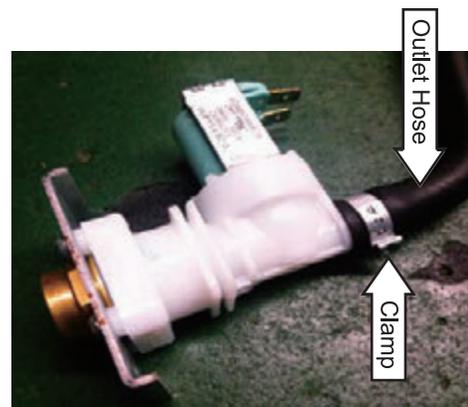
1. Disconnect power.
2. Remove the 2 Phillips-head screws on the kick board.
3. Remove the 2 Phillips-head screws on the lower front cover.



4. Disconnect the water supply line from the valve inlet.
5. Remove the 2 Phillips-head screws that hold the bracket to the front brace.
6. Disconnect the 2 wires from the solenoid.



7. Remove the clamp and the outlet hose from the valve.



**Caution:** The clamp is easily damaged during removal and should not be reused. Use the screw-type hose clamp provided with the new valve.

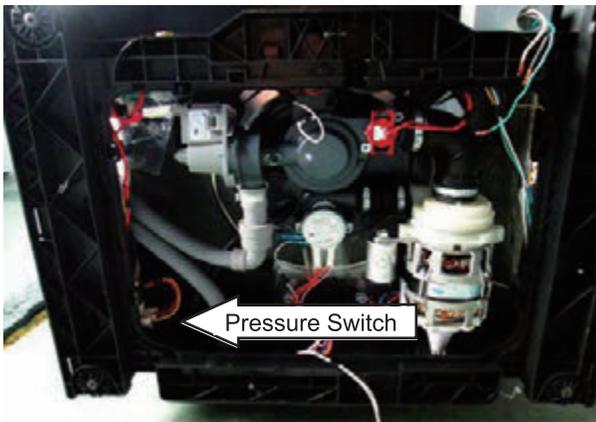
## Pressure Switch

The pressure switch is an overfill safety device mounted on the base located on the left rear. A clear plastic tube (the pressure switch hose) runs from the pressure switch, around the air breaker assembly, and to the sump.

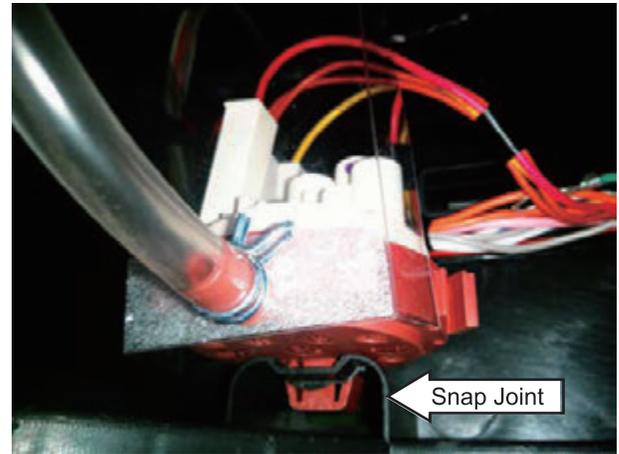
As the dishwasher basin fills with water, the air pressure in the pressure switch hose increases. Normally, the electronic control regulates the amount of time the water fill valve remains open. If the water fill valve remains energized, the overfilling of the basin increases the air pressure in the pressure switch hose causing the pressure switch to open the circuit to the water valve and energize the drain pump.

### To remove the pressure switch:

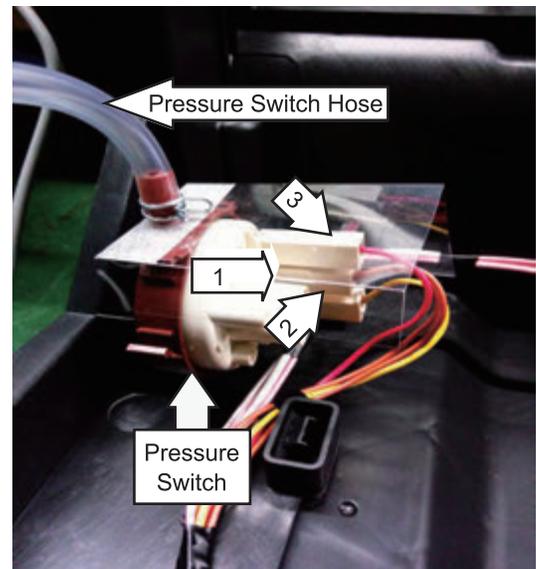
1. Disconnect power.
2. Lay the dishwasher on its back.
3. Remove the 1 Phillips-head screw that attach the base cover to the base.



4. Release the snap joint that attaches the pressure switch to the base, and take out the pressure switch.



5. Disconnect the brown wire from terminal 1, the yellow wire from terminal 2, and the red wire from terminal 3.
6. Remove the pressure switch hose from the pressure switch.



**Note:** When installing the pressure switch, ensure the switch is fully seated in the bottom of the base bracket.

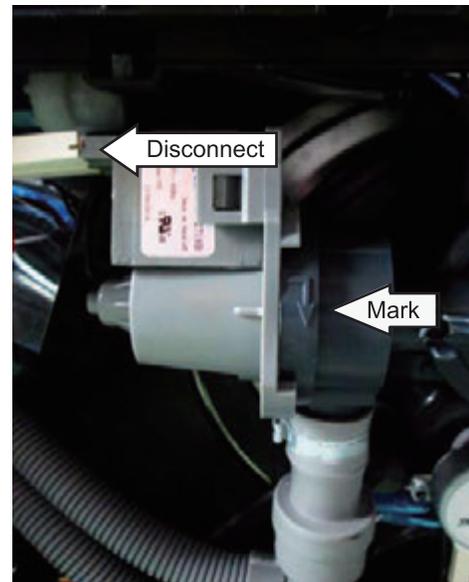
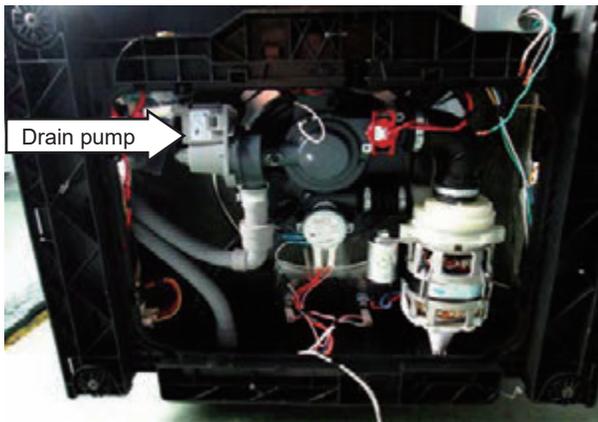
## Drain Pump Assembly

The drain pump assembly is located under the tub and operates on 120 VAC. It is energized for the first 60 seconds of a new cycle and 90 seconds after the wash pump shuts down to remove any water in the dishwasher sump. The drain pump forces water out of the drain line. A check valve flapper on the drain pump prevents the dirty water from reentering the sump.

The drain pump has an approximate resistance value of 25– 35  $\Omega$  .

### To remove the drain pump:

1. Disconnect power.
2. Open the dishwasher door and remove the bottom rack.
3. Remove the dishwasher from its installation.
4. Lay the dishwasher on its back.
5. Remove the 1 Phillips-head screw that attach base cover to the base.



**Note:** Ensure the O-ring is retained in the pump seal before reassembly.



6. Rotate the drain pump 1/4-turn anticlockwise to remove, which is the opposite direction of the mark on the sump.
7. Disconnect the 2 wires from the drain pump.

## Thermistor

The thermistor is located under the tub and is attached to the back side of the sump with two Phillips-head screws (5mm hex-head).

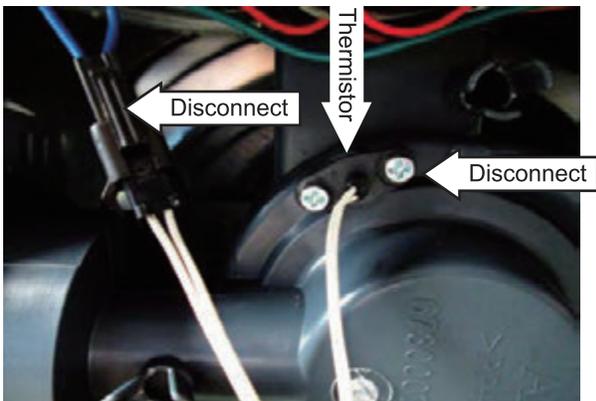
During the hot wash cycle, the thermistor senses the water temperature and turns the heating element off .

**Note:** If the thermistor is not operating, the hot wash cycle will set a default time for the heating element to cycle.

The thermistor has a negative coefficient. As the temperature at the contact point on the tub increases, the thermistor's resistance decreases. The thermistor has an approximate resistance of  $R@25^{\circ}\text{C}=10\text{K}\Omega\pm 2\%$ ;  $R@60^{\circ}\text{C}=3011\Omega\pm 2\%$ .

### To remove the thermistor:

1. Disconnect power.
2. Lay the dishwasher on its back.
3. Remove the 1 Phillips-head screw that attach base cover to the base.
4. Disconnect the thermistor wire harness.
5. Using either an offset Phillips-head screwdriver or 5-mm box-end wrench, remove the two Phillips-head screws(5-mm hex-head) and the thermistor from the sump.



**Note:** Ensure the O-ring is retained in the thermistor before reassembly.

## Turbidity Sensor

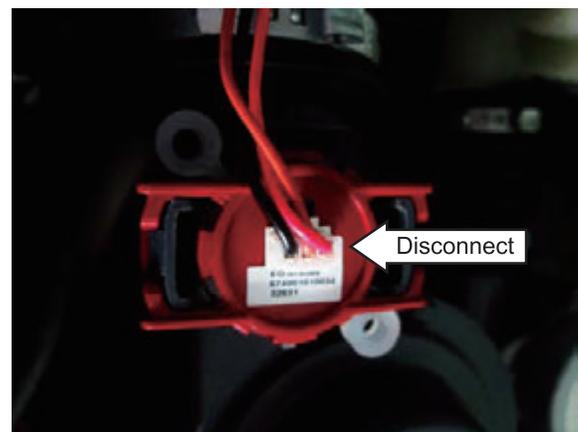
The turbidity sensor is located under the tub and is attached to the back side of the sump with two snap joints.

During the prewash of wash cycle, the turbidity sensor senses the water, judges the AD interval and chooses the appropriate wash cycle.

**Note:** If the turbidity sensor is not operating, the dishwasher will choose a default wash cycle and inlet default wash water.

### To remove the thermistor:

1. Disconnect power.
2. Lay the dishwasher on its back.
3. Remove the 1 Phillips-head screw that attach base cover to the base.
4. Disconnect the thermistor wire harness.
5. Release the snap joints to take the turbidity sensor out.



**Note:** Ensure the O-ring is retained in the turbidity sensor before reassembly.

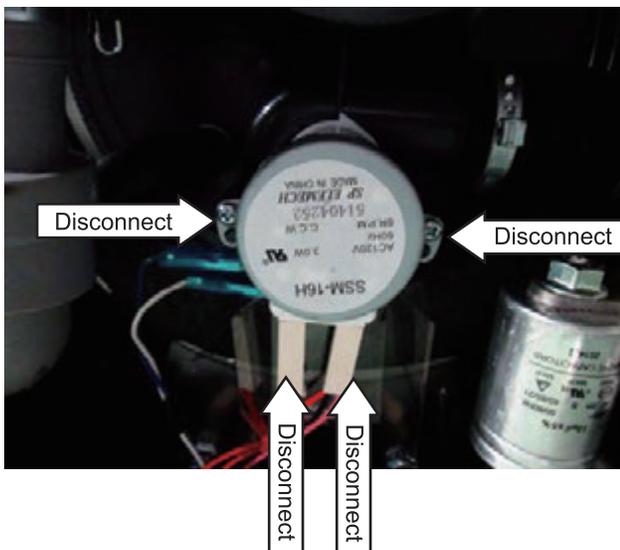
## Diverter Valve Assembly

The diverter valve assembly is located under the tub and operates on 120 VAC. Diverter, also named alternating flow control valve, is used to control the flow of water between the upper and lower spray arms and can also be used on some models to stop the flow of water to the upper spray arm on models equipped with a half load feature.

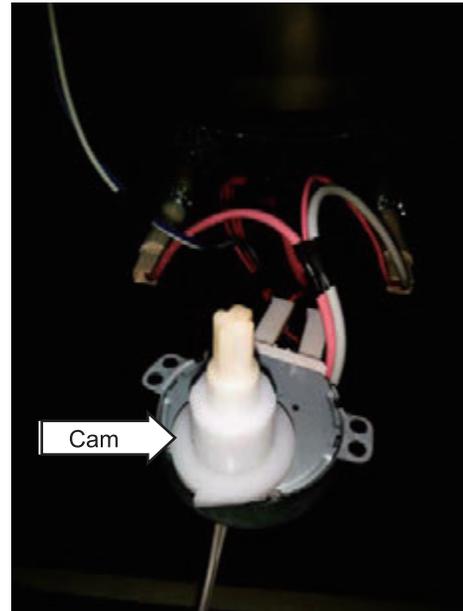
The diverter valve assembly include diverter motor, micro s/w, cam and seal ring.  
The diverter valve assembly will auto detect the location at the first 60s of the wash cycle.

### To remove the diverter valve assembly:

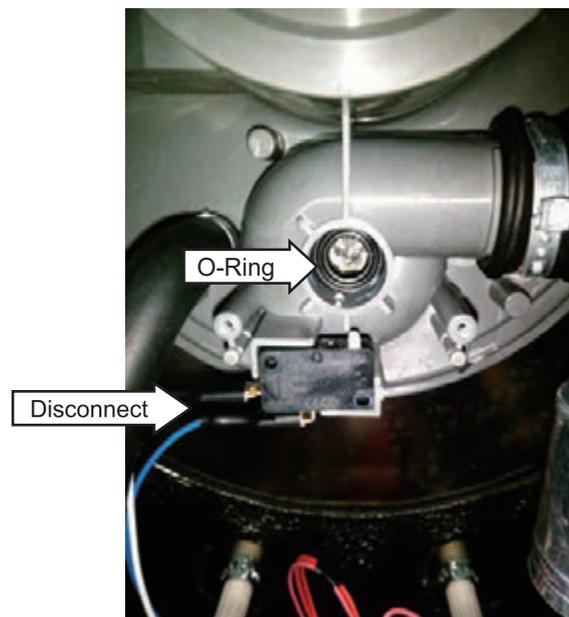
1. Disconnect power.
2. Open the dishwasher door and remove the bottom rack.
3. Lay the dishwasher on its back.
4. Disconnect the 2 wires from the diverter motor.
5. Remove the 2 Phillips-head screws that hold the diverter motor to the sump.



6. Remove the cam.



7. Disconnect the 2 wires from the micro s/w.



**Note:** Ensure the O-ring is retained in the sump before reassembly.

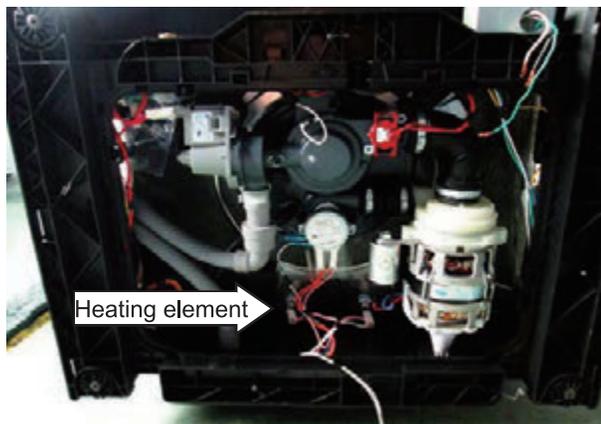
## Heating Element

The heating element maintains water temperature during the wash and rinse cycles and heats the air during the drying cycle.

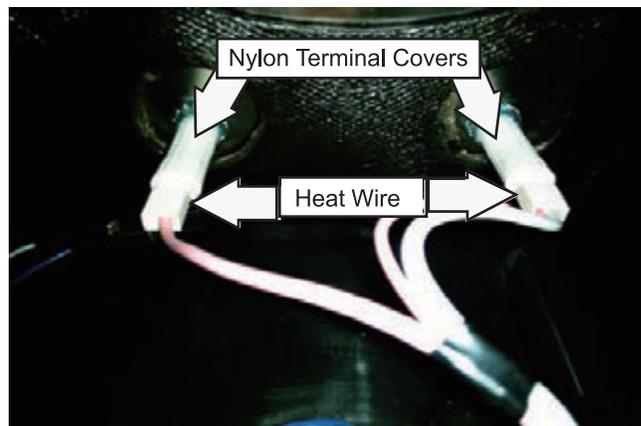
The heater has an approximate resistance value of 10-15  $\Omega$

### To remove the heating element:

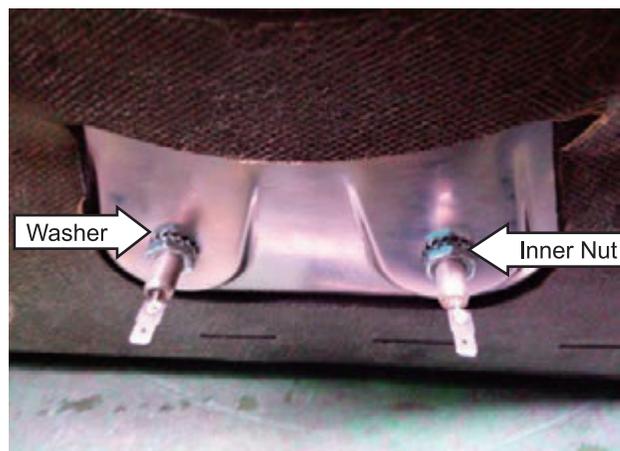
1. Disconnect the power.
2. Open the dishwasher door and remove the bottom rack.
3. Lay the dishwasher on its back.
4. Remove the 1 Phillips-head screw that attach base cover to the base.



5. Locate the wires leading to the heating element terminals and pull down the 2 nylon terminal covers.
6. Disconnect the 2 wires from the heating element.



10. Remove the inner 8-mm nuts, washers, and that attach the heating element to the bottom of the tub.



11. Lift the back side of the element and release it from the 2 retainers.



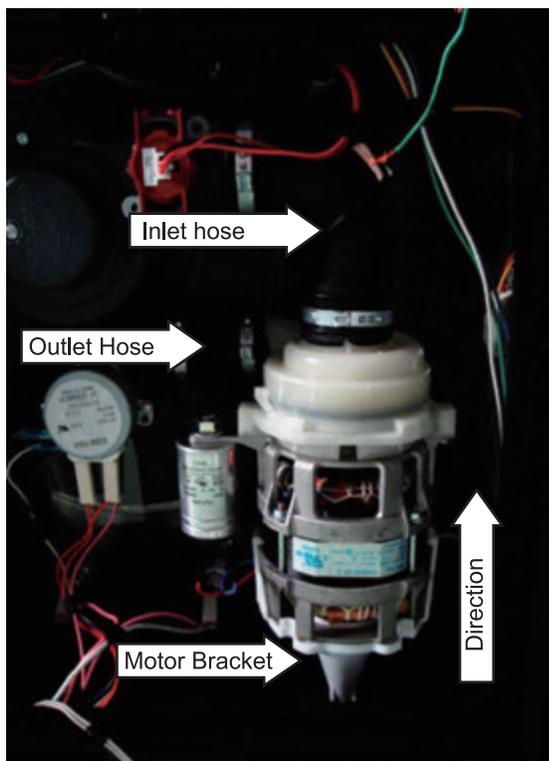
## Motor Pump Assembly

The motor pump assembly is located under the tub on the right of the sump assembly. The motor utilizes a start capacitor rated at  $10\mu\text{fd}$ . The motor rotates clockwise (as viewed from the terminal end) and draws approximately 1 amp at 120 VAC.

The motor pump assembly has an approximate resistance of  $R_1=24\text{-}30\Omega$ , and  $R_2=19\text{-}25\Omega$ .

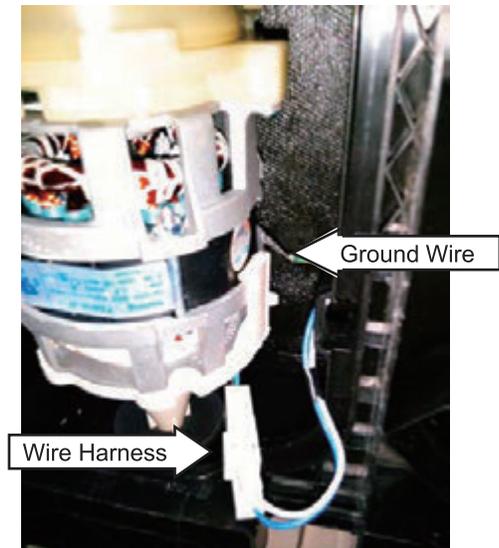
### To remove the motor pump assembly:

1. Disconnect power.
2. Open the dishwasher door and remove the bottom rack.
3. Lay the dishwasher on its back.
4. Remove clamps and pump outlet hose.
5. Remove clamps and pump inlet hose.



**Note:** Factory-installed hose clamps are not reusable. When installing a water inlet valve, drain pump assembly, motor pump assembly, or sump assembly, replace the old clamps with new screw-type hose clamps provided. The screw-type hose clamps are available separately.

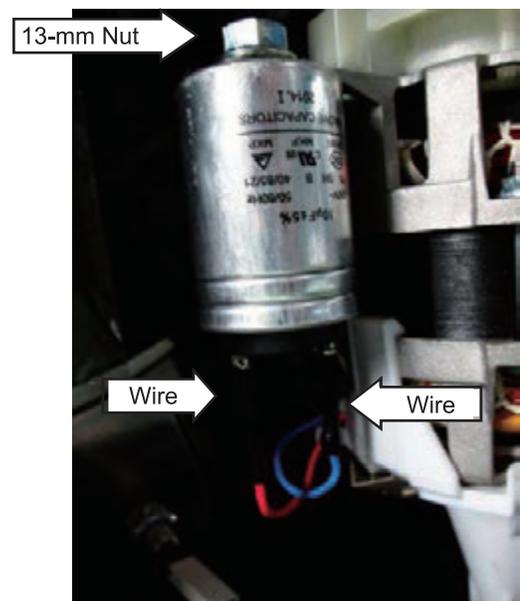
6. Remove the motor pump from the base in the direction shown in the figure.
7. Disconnect the motor wire harness and the motor ground wire.



8. Pull the motor bracket off the motor tab.

### To remove the motor pump capacitor:

1. Follow steps 1 through 7.
2. The capacitor is connected to the motor with 2 wires and held in place with a 13-mm nut. Disconnect the wires and the nut.

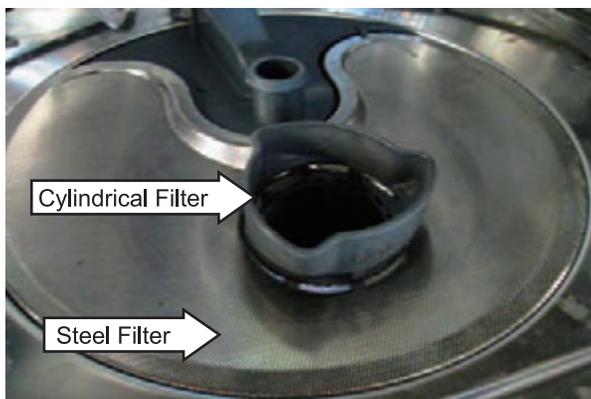


## Sump Assembly

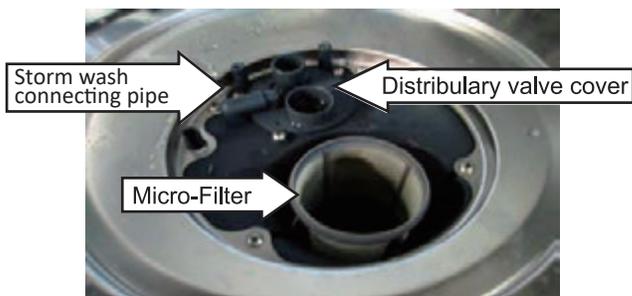
The sump assembly consists of the filter assembly, micro-filter, diverter valve cover, storm wash connecting pipe, sump gasket and sump. The filter assembly prevents large particles from reaching the micro-filter and the micro-filter prevents small particles from reaching the sump. The filter assembly rests above the sump and the micro-filter sits above the sump basin. The Phillips-head screws hold the sump gasket and sump to the bottom of the dishwasher. The diverter valve cover and storm wash connecting pipe that are held the sump by Phillips-head screws, control the direction of flow. The filter assembly, micro-filter, distributory valve cover and storm wash connecting pipe are accessed from inside the dishwasher. The gasket and sump are located under the tub.

### To remove the sump assembly:

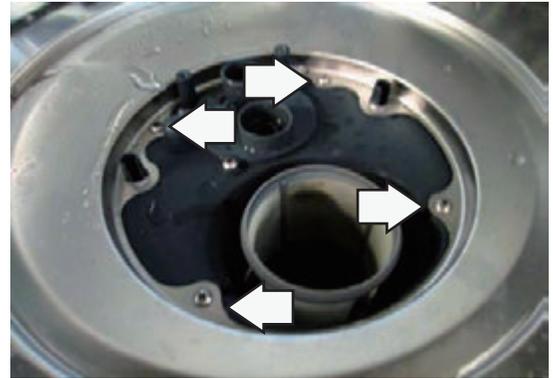
1. Disconnect power.
2. Open the dishwasher door and remove the bottom rack.
2. Rotate cylinder filter 1/4-turn in the direction shown on the cylindrical filter.
4. Lift steel filter out of tub.



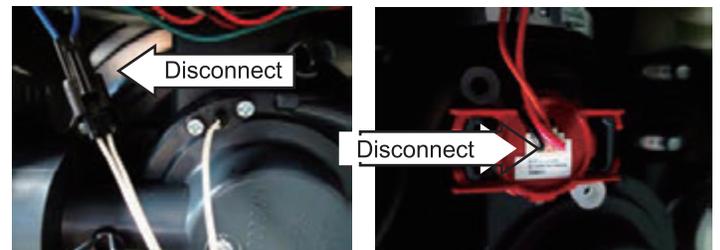
5. Remove 2 Phillips-head screws and take the lower spray seat out of the tub.
6. Lift the micro-filter out of the tub.



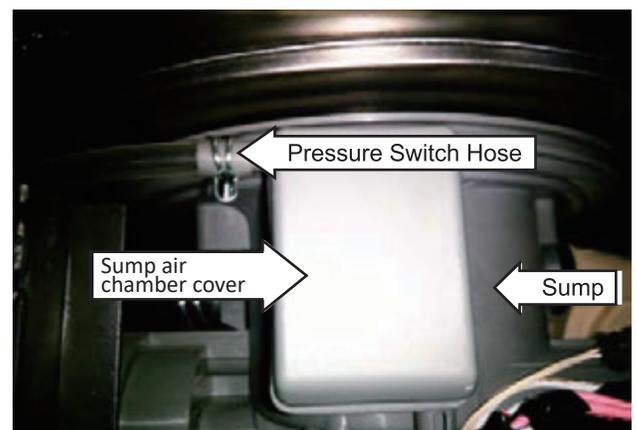
7. Remove the 3 Phillips-head screws and take the diverter valve cover and storm wash connecting pipe out of the tub.
8. Remove the 4 Phillips-head screws that attach the sump to the tub.



9. Remove the sump gasket (not shown) and sump.
10. Lay the dishwasher on its back.
11. Disconnect the thermistor wire harness and turbidity sensor wire harness.



12. Remove the pressure switch hose from the sump air chamber cover that is in front of the sump.



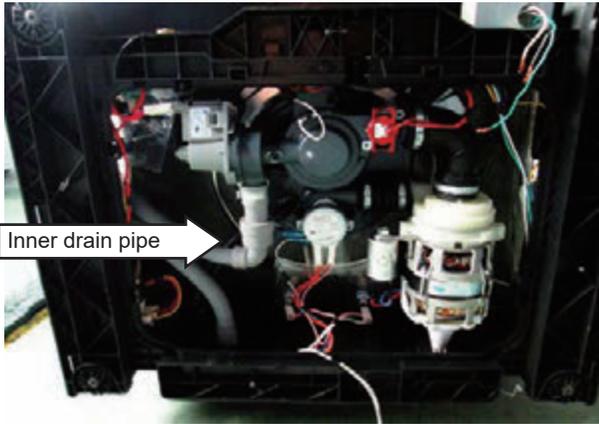
13. Remove the 2 clamps, sump outlet hose, and inlet hose from the sump.

**Note:** Factory installed hose clamps are not reusable. When installing a water inlet valve, drain pump assembly, wash pump assembly, or sump assembly, replace the old clamps with new screw-type hose clamps provided. The screw-type hose clamps are available separately.

14. Remove the 2 Phillips-head screws that hold the diverter valve motor to the sump.

15. Remove the drain pump from the sump.

16. Remove the inner drain pipe from the sump.



Inner drain pipe

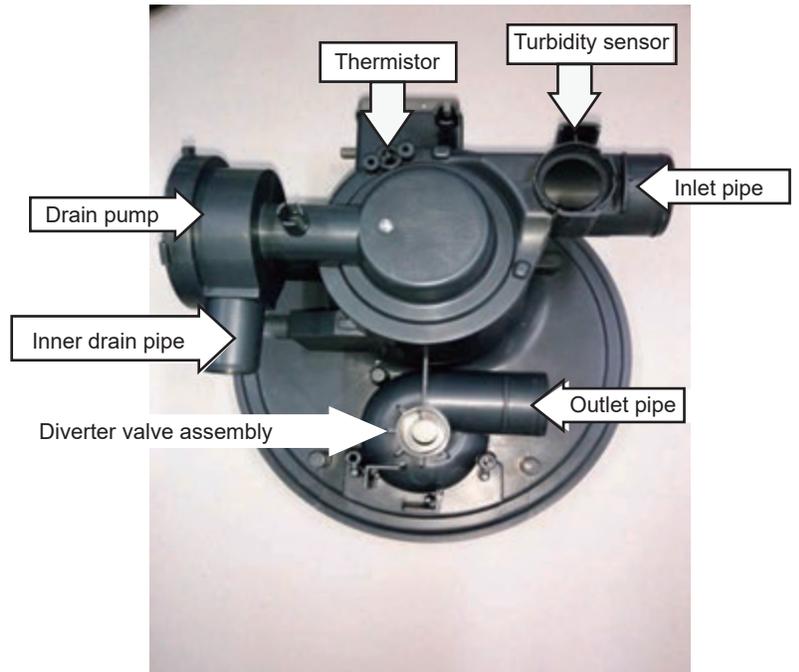
Sump

Front View



Sump self-clean

Back View



Drain pump

Thermistor

Turbidity sensor

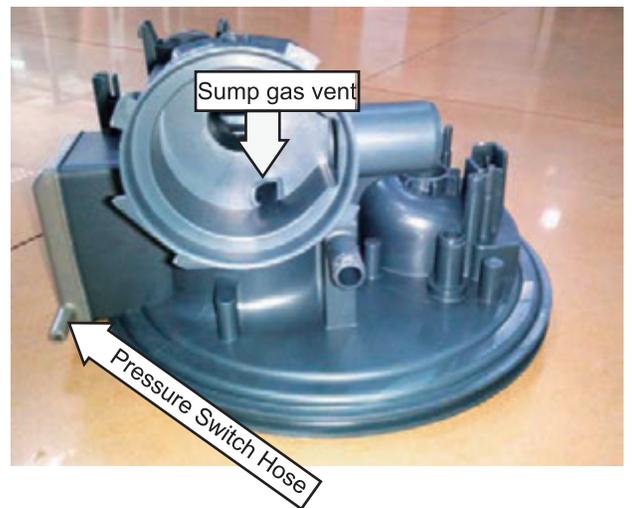
Inlet pipe

Inner drain pipe

Diverter valve assembly

Outlet pipe

Left View



Sump gas vent

Pressure Switch Hose

# Troubleshooting

## Factory Diagnostic Mode

To enter the factory diagnostic mode:

- Turn the dishwasher off and make sure no LEDs light.
- Disconnect power to the dishwasher.
- Reapply power with the door open and quickly press and hold both the **program** and **Start/Cancel** pads within 60 seconds from connecting power.
- Close the door the display will show C0 and F\* (\* stands for 0,1,2).alternately, each for 1 second. Then the dishwasher will run as below.

NO.	Component	SSD	NOTE
00	Beginning	88	Stand by has
01	Water inlet Fan	Turbidity	Turn on water inlet and fan, after 10 seconds turn off the fan. The flow meter will control the water inlet to come in 3.6L water. This step has turbidity detection function ,the SSD will the turbidity value, which between 00-05 is OK.
02	Wash pump Heater Diverter valve motor	04/water temperature	Turn on the wash pump, after 10 seconds, the heater will turn on. The beeper will beep for one time when the temperature has risen for 3 degrees for the first time. The dishwasher will stop when the temperature has <b>reached</b> 57°C. Press " Start/cancel" to enter the next step.
03	Water pump Dispenser	03	Turn on wash pump for 10 seconds, then turn on the dispenser for 35 seconds more.
04	Pause	02	Pause for 30s.
05	Drain pump	01	Turn on the drain pump for 30 seconds.
06	END	00/F1	Beep one time. The SSD shows "00"and "F*(*s tands for 0 ,1,)" alternately, each for 1 seconds.

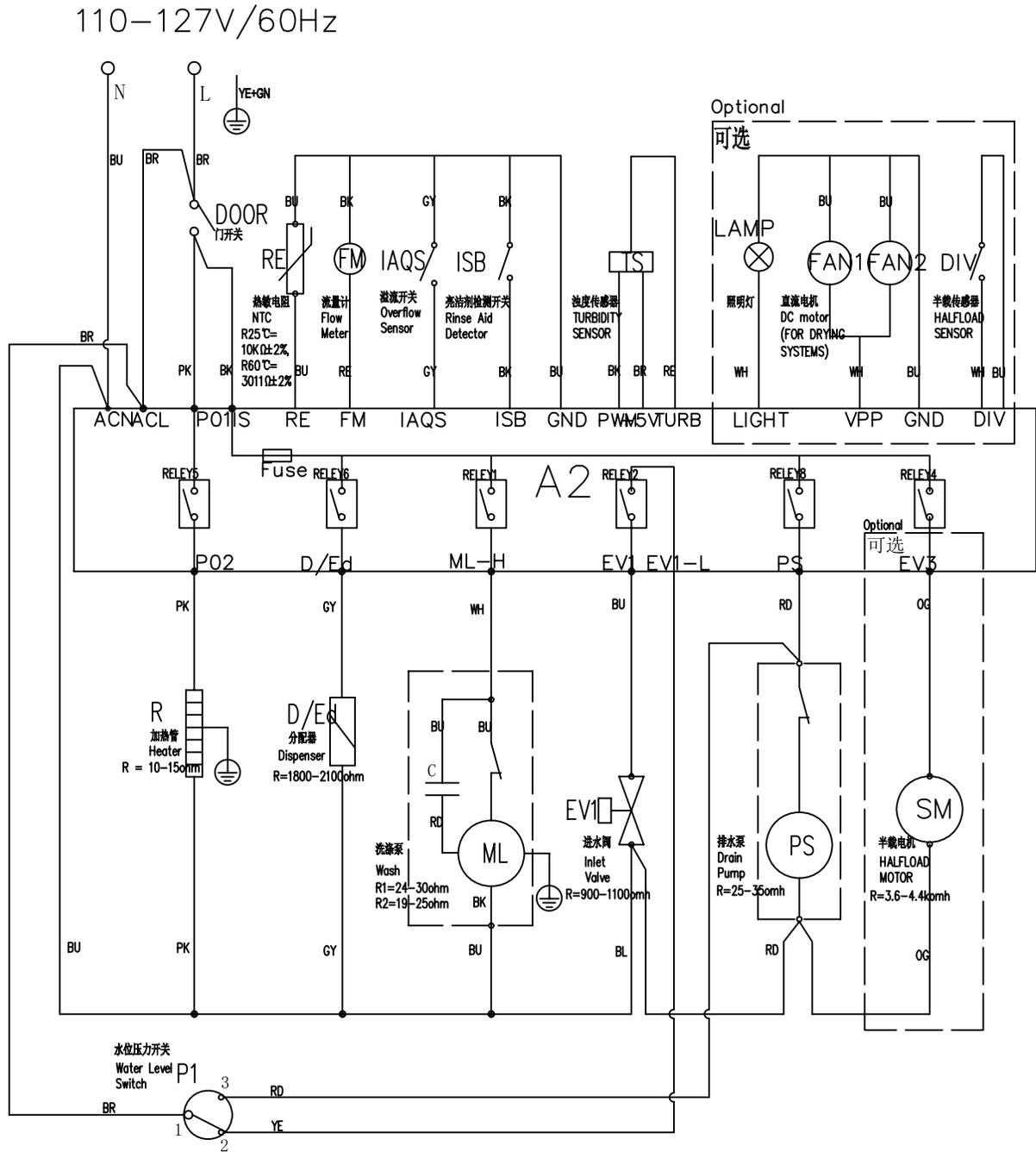
## Error Code

Error Code		
Symptom	Error Message	Possible Reason
E1	during the water inlet step, if the flow meter can't detect the defined water after 4 minutes, the dishwasher will warning for E1.	1. check the water supply 2. check the inlet valve 3. check the inlet 4. check the flowmeter 5. check the pressure switch 6. check the drain 7. check the PCB
E3	(only appeared in the factory mode) when the temperature can't reach the defined value after 90 minutes, the dishwasher will warning for E3.	1. check the heater 2. check the thermistor 3. check the PCB
E4	the water flood into the bottom and result in the detective switch moves, the dishwasher will warning for E4.	1. check the use of the detergent 2. check whether the appliance is level 3. check the micro-switch 4. check the drain pump 5. check the amount of the filled water 6. find where leakage is
E6 E7	( only appeared in the factory mode ) E6 — thermal sensor cut. E7 — thermal sensor short.	1. check the inlet water temperature 2. check the thermistor 3. check the PCB

# Schematics and Wiring Diagrams

**WARNING:** Disconnect electrical power before servicing.

**Caution:** Label all wires prior to disconnection. Wiring errors can cause improper and dangerous operation. Verify operation after servicing.





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