

# Dishwasher Use & Care Guide

4000 Series



For a more indepth description of your product's features and solutions to common dishwasher problems visit our Web Site at [www.frigidaire.com](http://www.frigidaire.com) to download a free copy of the Use and Care Manual or simply call us at 1-800-944-9044 and one will be sent to you.

### Versión en español

Si desea obtener una copia en español de este Manual del Usuario, sírvase escribir a la dirección que se incluye a continuación. Solicite la P/N 154660003. Spanish Use & Care Manual, Electrolux Home Products North America, P.O. Box 212378, Augusta, GA 30917.

## Product Registration Card

Please fill in completely, sign and return promptly!

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## Record All Information For Future Reference

Brand: \_\_\_\_\_ Purchase Date: \_\_\_\_\_

Model #: \_\_\_\_\_

Serial #: \_\_\_\_\_

(see Features page for location)

**Questions? 1-800-944-9044**

(United States)

**1-866-213-9397**

(Canada)

**READ AND SAVE THESE INSTRUCTIONS**

P/N 154660001 (0803)

## Important Safety Instructions

### **⚠ WARNING**

This symbol will help alert you to such dangers as personal injury, burns, fire, and electrical shock.

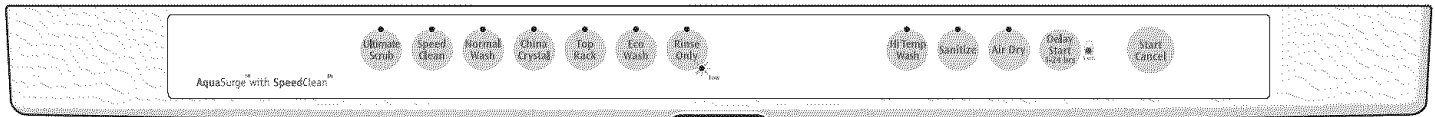
### **⚠ WARNING**

To reduce the risk of fire, electrical shock, or injury when using your dishwasher, follow basic precautions including the following:

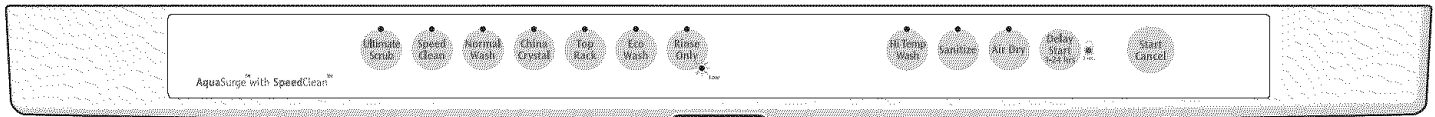
- Read all instructions before using your dishwasher.
  - Use your dishwasher only as instructed in this Use and Care Manual.
  - This Manual does not cover every possible condition and situation that may occur. Use common sense and caution when installing, operating and maintaining any appliance.
  - NSF certified residential dishwashers are not intended for licensed food establishments.
  - **DISHWASHER MUST BE ELECTRICALLY GROUNDED.** Read the Installation Instructions for details.
  - This dishwasher is designed to operate on regular house current (120 V, 60 Hz). Use a circuit equipped with a 15 ampere fuse or circuit breaker. Use a 20 ampere fuse if dishwasher is connected with a food waste disposer.
  - Do not operate dishwasher unless all enclosure panels are in their proper place.
  - To avoid entrapment and/or suffocation, remove door or door latch mechanism from any dishwasher that is discarded or not in use.
  - Keep young children and infants away from dishwasher when it is operating.
  - Do not let children abuse, sit, stand or play on door or racks of a dishwasher.
  - Use only detergents and rinse agents recommended for use in a dishwasher.
  - Store dishwasher detergent and rinse agents out of the reach of children.
  - Do not wash plastic items unless marked "dishwasher safe" or the equivalent. Check with manufacturer for recommendations, if not marked. Items that are not dishwasher safe may melt and create a potential fire hazard.
  - If the dishwasher drains into a food disposer, make sure disposer is completely empty before running dishwasher.
- Disconnect electrical power to dishwasher before servicing.
  - Repairs should be done by a qualified technician.
  - Do not tamper with controls.
  - Do not touch the heating element during or immediately after use.
  - Use care unloading the dishware when the SANITIZE option has been selected. Contents may be hot to the touch immediately after the end of cycle.
  - Water vapor from the vent may be hot to the touch when the SANITIZE option has been selected. Use care and do not let small children play around or touch the vent area of the dishwasher.
  - When loading items to be washed:
    - Locate sharp items and knives so that they are not likely to damage the door seal or tub.
    - Load sharp items and knives with the handles up to reduce the risk of cut-type injuries.
  - Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for 2 weeks or more. **HYDROGEN GAS IS EXPLOSIVE.** If hot water system has not been used for such a period, before using dishwasher, turn on all hot water faucets and let water flow from each for several minutes. This will release any accumulated hydrogen gas. **HYDROGEN 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.

**SAVE THESE  
INSTRUCTIONS**

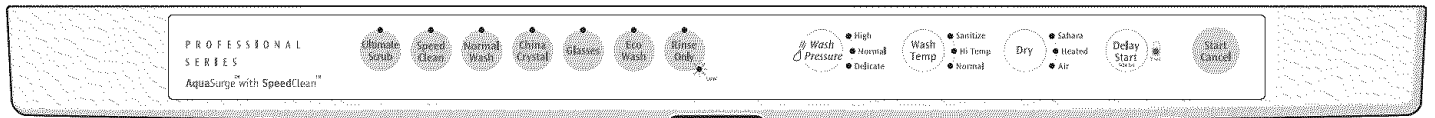
# Status Indicator Lights



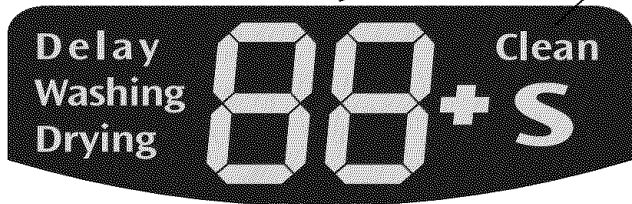
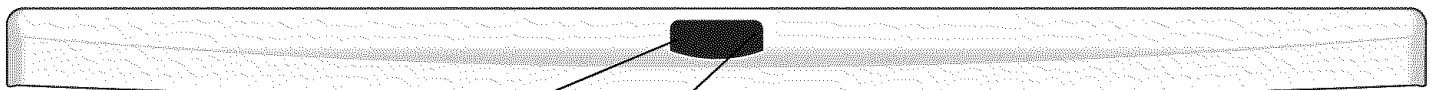
4050 Series



4300 Series



4500 Series



In the unlikely event the dishwasher malfunctions, the indicator may display one of the following codes "Er", "uF", "uo", or "CE". If one of these codes are displayed contact the Frigidaire Customer Care Center at **1-800-944-9044**. They will be able to provide assistance in troubleshooting the problem and/or locating an authorized service technician, if needed.

The WASHING light comes on at the beginning of cycle and remains on until the end of the main wash.

The DRYING light indicates the drying portion of the cycle. The light will come on when either drying option is selected.

When the SANITIZE option is selected, the SANITIZED light will glow when the SANITIZE cycle is finished and remain on until the door is opened. If the dishwasher did not properly sanitize the dishes, the light will not come on. This can happen if the cycle is interrupted or if incoming water temperature is below 120°F.

The CLEAN light will come on at end of cycle and remain on until door is opened.



The RINSING AGENT LOW light, Located near the Rinse Only Pad, comes on at the end of a cleaning cycle when the rinse agent reservoir is low. The light will remain on through 5 successive cycles or until the reservoir is filled.

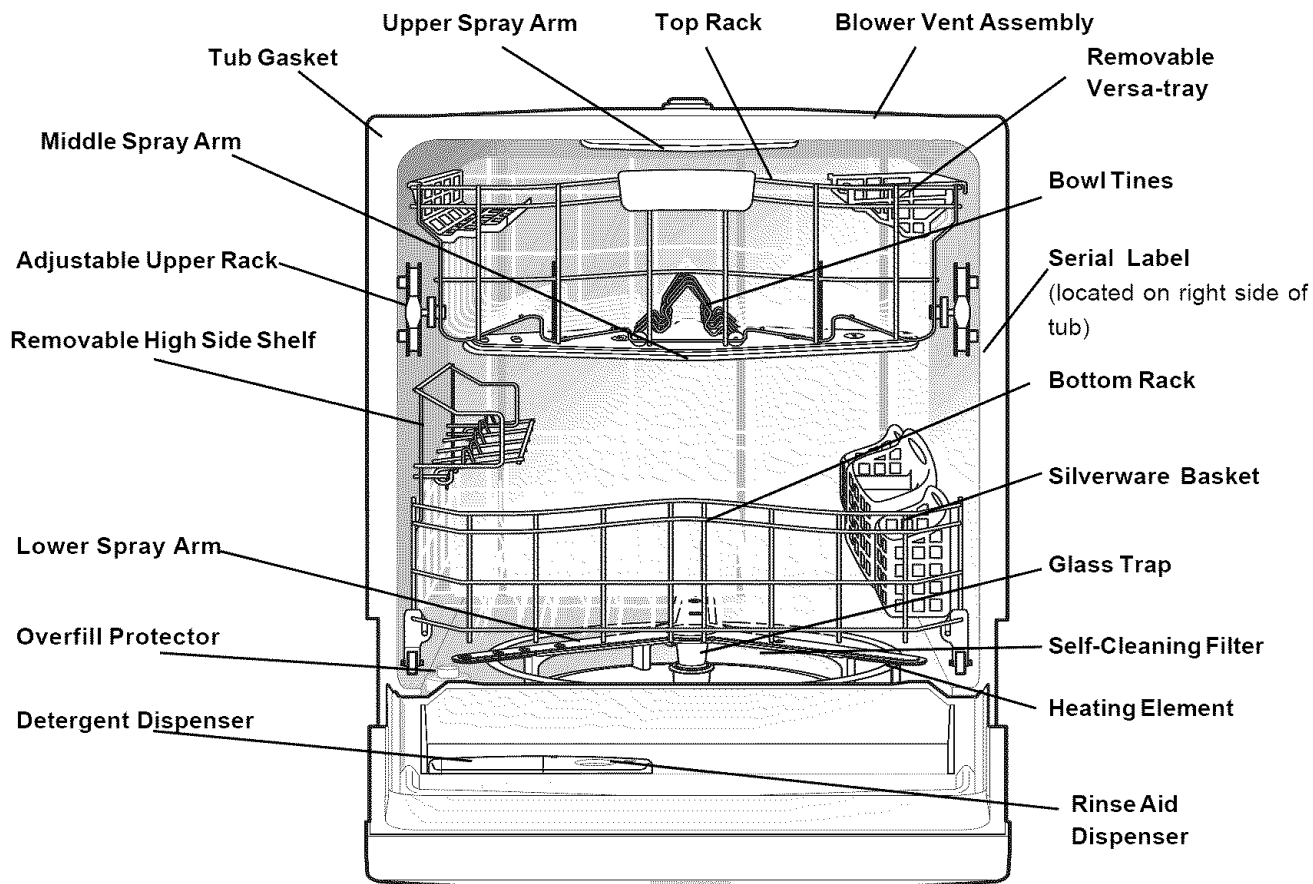
- PF..... Appears in window when dishwasher is first installed, or when power has been interrupted. HI-TEMP WASH and NO HEAT DRY indicator lights will also flash. To clear, touch START/CANCEL pad.
- 1H-24H..... Number of delay start hours. The last hour will count down in minutes.
- CL..... Close dishwasher door. The status indicator lights will also flash to indicate current cycle status.
- HO..... Flashes to indicate a water heat delay.
- MINUTES..... Number of minutes left in cycle (1-99). If cycle is longer than 99 minutes, a small plus sign will appear beside the number of minutes and remain on until time counts below 99.

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

## Dishwasher Features

Your dishwasher cleans by spraying a mixture of hot water and detergent through the spray arms against soiled surfaces. Next, the dishwasher fills with water covering the filter area. Water is then pumped through the filter and spray arms. Soil particles go down the drain as the water is pumped out and replaced with clean water. The number of water fills will vary with the cycle being used.

Features may vary by series.



### Very Important Information—Read Before Operating Your Dishwasher!

#### Normal Operating Sounds



This dishwasher does not sound like most dishwashers—IT'S QUIETER.

Your Precision Direct Wash System® dishwasher uses energy efficient motors for the wash and drain portions of the cycle you select. Each cycle has a series of water fills and drains for washing and rinsing dishes. As each cycle begins, you may—or may not—hear the drain motor.

The next sound you will hear is the splashing water as it enters the tub. Then the lower arm rotates and circulates water. This is followed by a pause and a slightly different sound as the upper arms spray water. If you listen closely, you will hear the change in sound as the wash action switches from one arm to the other.

**PLEASE BE ADVISED:** If you compare this dishwasher to previous models, you may be surprised at what you DON'T hear!

### Getting Started

1. Load dishwasher
2. Add detergent
3. Add rinse aid
4. Select desired CYCLE. The indicator light above the pad will glow when selected.
5. Select desired OPTIONS. The indicator light above the pad will glow when selected.
6. Run hot water faucet nearest dishwasher until water is hot. Turn water off.
7. To start, press START/CANCEL pad.
8. Close door to latch.

**Note:** The dishwasher is programmed to remember your last cycle so you do not have to reset each time. To start the dishwasher using the same cycle and options selected on the previous wash, just press the START/CANCEL pad.

## Operating Instructions

### Wash Cycle Selections

**Note:** Cycle times are approximate and will vary with options selected. Hot water is necessary to activate dishwasher detergent and melt fatty food soils. Hot water is needed for best dishwashing and drying results. Water entering dishwasher should be at least 120°F (49°C) to give satisfactory results.

### Sanitize Option

To sanitize your dishes and glassware, select the SANITIZE option. When selected, the light above the pad will come on and remain on until end of cycle. The water temperature in the final rinse will be raised to 155°F (68°C) assuring bacteria is destroyed. This option is available in NORMAL WASH and GLASSES. SANITIZE is automatically provided when ULTIMATE SCRUB is selected. Only these sanitization cycles have been designed to meet NSF requirements.

*The cycle time will be extended until the proper water temperature is reached. Washing action will continue during the water heating delay. For best results, the incoming water temperature should be at least 120°F (49°C).*

The sanitize criteria may not be satisfied if there is an interruption of the cycle, power failure or if the incoming water temperature is below 120°F (49°C).

To turn off the SANITIZE option, press the pad a second time. The light above the pad will turn off.

### Heated Dry

The HEATED DRY option in combination with rinse aid will enhance drying performance. HEATED DRY option is available on all cycles except ECO WASH & RINSE ONLY.

### Child Lock Controls

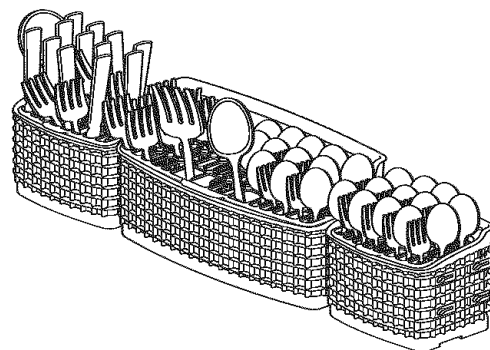
To prevent children from accidentally changing the dishwasher cycle or starting the dishwasher, lock the dishwasher controls by pressing and releasing the DELAY START pad (some models) or the AIR DRY pad (some models) for 3 seconds. An indicator light on the lock graphic pad will illuminate when the controls are locked and no new selections can be made until the lock is released. To unlock the controls, press the DELAY START pad or AIR DRY pad until the indicator light goes out.

## Loading the Silverware Basket

### ⚠ CAUTION

Load sharp items (knives, skewers, etc.) pointing down.

Failure to do so may result in injury.



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

## Factors Affecting Performance

### Water Pressure

The hot water line to dishwasher must provide water pressure between 20 and 120 psi.

Low water pressure may occur when laundry or showers are in operation. Wait until water use is reduced before starting dishwasher.

### Water Temperature

Hot water is needed for best dishwashing and drying results. Water entering dishwasher should be at least 120°F (49°C) to give satisfactory results.

To check water temperature entering dishwasher:

- Turn on hot water faucet nearest dishwasher for several minutes to clear cool water from pipes.
- Hold a candy or meat thermometer in stream of water to check the temperature.
- If temperature is below 120°F (49°C), have a qualified person raise the hot water heater thermostat setting.

**Important: Before starting a cycle, run hot water at the tap to clear cool water from pipe.**

A HEATED DRY option in combination with rinse aid will enhance drying performance. The energy required to use these options costs pennies per cycle. You may choose to select the NO HEAT DRY option; however you will have items in your dish load that will not be completely dry at the end of the cycle.

# Dishwasher Dispenser & Detergents

## Filling the Detergent Dispenser

The detergent dispenser has one main wash and one pre wash cup. The covered cups open automatically to release detergent.

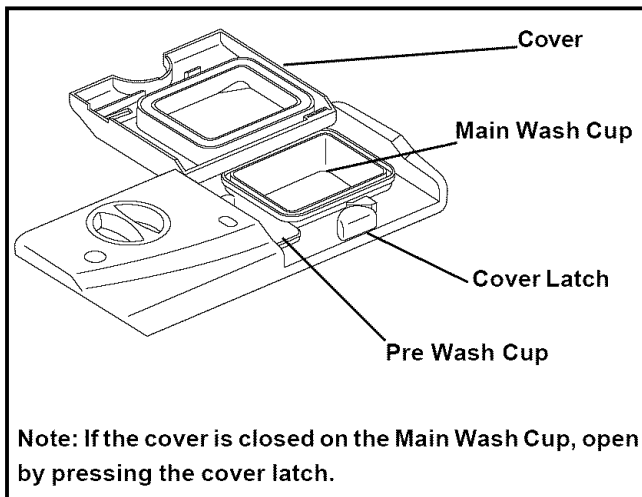
- Use only fresh automatic dishwashing detergent. Other detergents will cause oversudsing.
- When using automatic dishwashing detergent tabs, place one tab in main wash cup and close.
- Add detergent just before starting cycle.
- Store detergent in a cool, dry location. Moist or caked detergent will not dissolve properly.

**⚠ CAUTION**

The use of industrial grade detergent can damage the heating coil and other parts of the dishwasher leading to damage to the unit and surrounding property. Use only household grade automatic dishwasher detergents.

## How much Detergent to use

The amount of detergent to use depends on the water hardness. Water hardness is measured in grains per gallon. Using too little detergent can result in poor cleaning and hard water filming or spotting. Using too much detergent in soft water can cause a permanent film called etching. Your local water company, water softener company or county extension agent can tell you the water hardness in your area.



## Rinse Aid

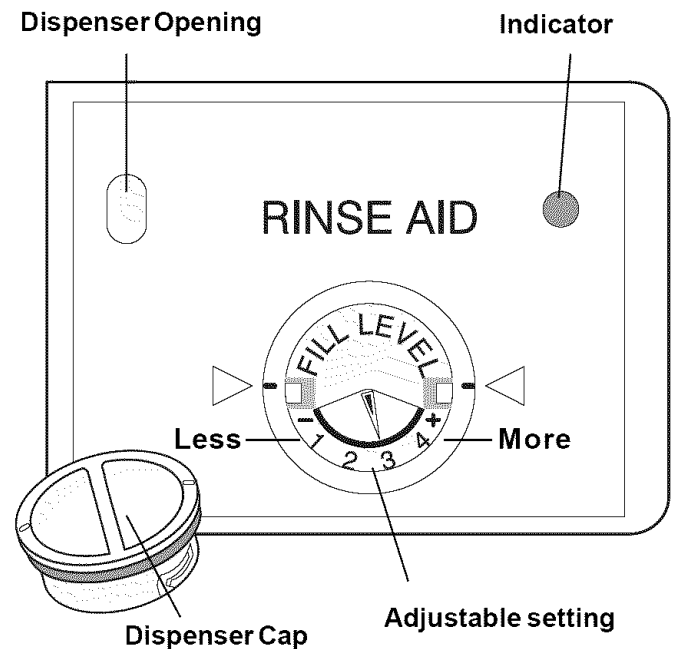
**Rinse aid greatly improves drying and reduces water spots and filming.** Water "sheets" off dishes rather than forming water droplets that cling and leave spots.

A dispenser, located next to the detergent cup, automatically releases a measured amount of rinse aid during the last rinse. If spotting and poor drying are problems, increase the amount of rinse aid dispensed by rotating the dial to a higher number. The dial is located under the dispenser cap. The indicator will be dark when full and will show clear when it is time to refill. <sup>Low</sup> \* will appear at the end of the cycle indicating that it is time to refill.

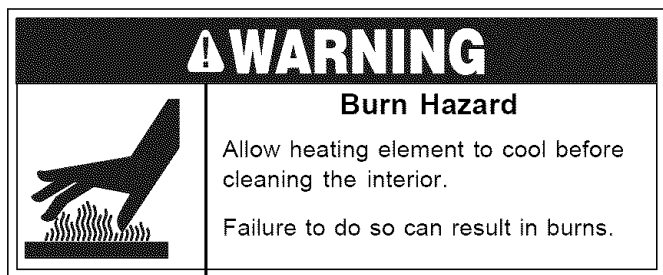
To add liquid rinse aid, turn dispenser cap 1/4 turn counterclockwise and lift out. Pour in rinse aid until liquid touches the indicated fill level. Replace cap.

Do not overfill since this can cause oversudsing. Wipe up any spills with a damp cloth.

The dispenser holds enough for 35 to 140 washes, depending on setting.



## Care and Cleaning



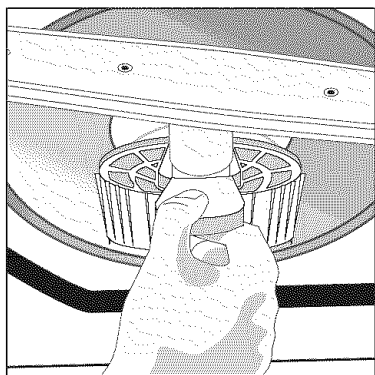
**Outside**—Occasionally wipe with a mild nonabrasive detergent and water. Rinse and dry.

### **Models with Easy Care Real Stainless Finish**

—Clean outer door with warm soapy water and a dishcloth or sponge. Rinse with clean water and a dry cloth. Do not use harsh cleaners.

**Inside**—The inside of the dishwasher is self-cleaning with normal use. If needed, clean around the tub gasket area with a damp cloth.

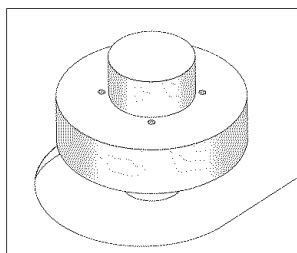
The filter is self-cleaning. A glass trap located in the center of the filter is designed to collect pieces of broken glass, straws, bones and pits. To remove items in glass trap, grasp handle, lift out, empty and replace.



**Note:** Hard water may cause lime deposit buildup on the interior of the dishwasher.

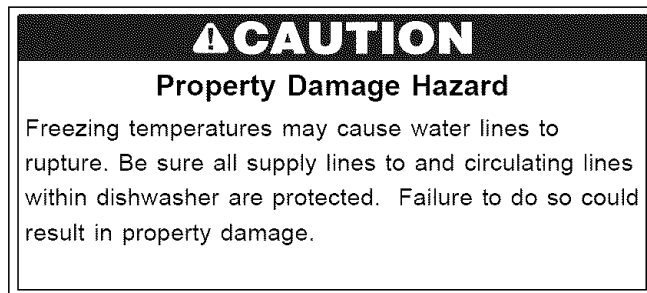
**Overfill Protector**—keeps dishwasher from overflowing and is located in the left front corner of the tub.

- Clean occasionally with household cleaner containing vinegar or bleach to dissolve any buildup.
- Overfill Protector should move up and down freely about one inch. If it does not move, lift and clean underneath.



## Care of Drain Air Gap

If a drain air gap was installed for your built-in dishwasher, check to make sure it is clean so the dishwasher will drain properly. A drain air gap is usually mounted on countertop and can be inspected by removing the cover. This is not part of your dishwasher and is not covered by warranty.



## Winterizing

A dishwasher left in an unheated place should be protected from freezing. Have a qualified person do the following:

### **To Disconnect Service:**

1. Turn off electrical power to the dishwasher at the supply source by removing fuses or tripping circuit breaker.
2. Shut off water supply.
3. Place a pan under the inlet valve. Disconnect water line from inlet valve and drain into pan.
4. Disconnect drain line from pump and drain water into pan.

**Note:** See Installation Instructions for more details.

### **To Restore Service:**

1. Reconnect the water, drain, and electrical power supply.
2. Turn on water and electrical power supply.
3. Fill both detergent cups and run dishwasher through a ULTIMATE SCRUB cycle.
4. Check connections to make sure they do not leak.

**Note:** See Installation Instructions for more details.

# Major Appliance Warranty Information

Your appliance is covered by a one year limited warranty. For one year from your original date of purchase, Electrolux will pay all costs for repairing or replacing any parts of this appliance that prove to be defective in materials or workmanship when such appliance is installed, used and maintained in accordance with the provided instructions.

**Exclusions**      **This warranty does not cover the following:**

1. Products with original serial numbers that have been removed, altered or cannot be readily determined.
2. Product that has been transferred from its original owner to another party or removed outside the USA or Canada.
3. Rust on the interior or exterior of the unit.
4. Products purchased "as-is" are not covered by this warranty.
5. Food loss due to any refrigerator or freezer failures.
6. Products used in a commercial setting.
7. Service calls which do not involve malfunction or defects in materials or workmanship, or for appliances not in ordinary household use or used other than in accordance with the provided instructions.
8. Service calls to correct the installation of your appliance or to instruct you how to use your appliance.
9. Expenses for making the appliance accessible for servicing, such as removal of trim, cupboards, shelves, etc., which are not a part of the appliance when it is shipped from the factory.
10. Service calls to repair or replace appliance light bulbs, air filters, water filters, other consumables, or knobs, handles, or other cosmetic parts.
11. Surcharges including, but not limited to, any after hour, weekend, or holiday service calls, tolls, ferry trip charges, or mileage expense for service calls to remote areas, including the state of Alaska.
12. Damages to the finish of appliance or home incurred during installation, including but not limited to floors, cabinets, walls, etc.
13. Damages caused by: services performed by unauthorized service companies; use of parts other than genuine Electrolux parts or parts obtained from persons other than authorized service companies; or external causes such as abuse, misuse, inadequate power supply, accidents, fires, or acts of God.

**DISCLAIMER OF IMPLIED WARRANTIES; LIMITATION OF REMEDIES**

CUSTOMER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR OR REPLACEMENT AS PROVIDED HEREIN. CLAIMS BASED ON IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR OR THE SHORTEST PERIOD ALLOWED BY LAW, BUT NOT LESS THAN ONE YEAR. ELECTROLUX SHALL NOT BE LIABLE FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES SUCH AS PROPERTY DAMAGE AND INCIDENTAL EXPENSES RESULTING FROM ANY BREACH OF THIS WRITTEN LIMITED WARRANTY OR ANY IMPLIED WARRANTY. SOME STATES AND PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES, SO THESE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS WRITTEN WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE.

**If You Need Service**

Keep your receipt, delivery slip, or some other appropriate payment record to establish the warranty period should service be required. If service is performed, it is in your best interest to obtain and keep all receipts. Service under this warranty must be obtained by contacting Electrolux at the addresses or phone numbers below.

This warranty only applies in the USA and Canada. In the USA, your appliance is warranted by Electrolux Major Appliances North America, a division of Electrolux Home Products, Inc. In Canada, your appliance is warranted by Electrolux Canada Corp. Electrolux authorizes no person to change or add to any obligations under this warranty. Obligations for service and parts under this warranty must be performed by Electrolux or an authorized service company. Product features or specifications as described or illustrated are subject to change without notice.

**USA**  
**1.800.944.9044**  
Electrolux Major Appliances  
North America  
P.O. Box 212378  
Augusta, GA 30907



**Canada**  
**1.800.668.4606**  
Electrolux Canada Corp.  
5855 Terry Fox Way  
Mississauga, Ontario, Canada  
L5V 3E4