

Monogram.

Use and Care Guide

for ZBD3500

Dishwasher

1995 Monogram.TM

Dishwasher

Introduction

Your new Monogram dishwasher makes an eloquent statement of style, convenience and kitchen planning flexibility. Whether you chose it for its purity of design or the assiduous attention to detail, you'll find that your Monogram dishwasher's superior blend of form and function will delight you for years to come.

The ZBD3500 Monogram dishwasher was designed to provide the flexibility to blend in with your kitchen cabinetry. Its sleek design can be beautifully integrated into the kitchen.

The information on the following pages will help you operate and maintain your dishwasher properly.

If you have any other questions—please call the
GE Answer Center® (800.626.2000).

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Before using your dishwasher, read this book carefully.

It is intended to help you operate and maintain your new dishwasher properly.

Keep it handy for answers to your questions.

If you don't understand something or need more help, write (include your phone number):

Consumer Affairs
GE Appliances
Appliance Park
Louisville, KY 40225

Write down the model and serial numbers.

You'll find them on a label fastened to the tub wall just inside the dishwasher door.

These numbers are also on the Consumer Product Ownership Registration Card that came with your dishwasher. Before sending in this card, please write these numbers here:

Model Number

Serial Number

Use these numbers in any correspondence or service calls concerning your dishwasher.

If you received a damaged dishwasher...

Immediately contact the dealer (or builder) that sold you the dishwasher.

Save time and money. Before you request service...

Check the Problem Solver in the back of this guide. It lists causes of minor operating problems that you can correct yourself.

If you need service...

To obtain service, see the Consumer Services page in the back of this guide.

We're proud of our service and want you to be pleased. If for some reason you are not happy with the service you receive, here are three steps to follow for further help.

FIRST, contact the people who serviced your appliance. Explain why you are not pleased. In most cases, this will solve the problem.

NEXT, if you are still not pleased, write all the details—including your phone number—to:

Manager, Consumer Relations
GE Appliances
Appliance Park
Louisville, KY 40225

FINALLY, if your problem is still not resolved, write:

Major Appliance Consumer
Action Program
20 North Wacker Drive
Chicago, IL 60606

IMPORTANT SAFETY INSTRUCTIONS

Read all instructions before using this appliance.



WARNING—When using this appliance, always exercise basic safety precautions, including the following:

- **Use this appliance only for its intended purpose, as you will find described in this guide.**
- Use only powder or liquid detergents or wetting agents recommended for use in a dishwasher. Keep all washing detergents and wetting agents out of reach of children, preferably in a locked cabinet. Observe all warnings on container labels to avoid personal injury.
- When loading items to be washed:
 - A. Locate sharp items so that they are not likely to damage the door seal, and
 - B. Load sharp knives with the handles up to reduce the risk of cut-type injuries.
- Do not wash plastic items unless marked “dishwasher safe” or the equivalent. For plastic items not so marked, check the manufacturer’s recommendations.
- Do not touch the heating element during or immediately after use.
- Do not operate your dishwasher unless all enclosure panels are properly in place.
- Do not tamper with controls.
- Do not abuse, sit on, or stand on the door or dish rack of the dishwasher.
- Close supervision is necessary if this appliance is used by or near children. Do not allow children to play inside, on or with this appliance or any discarded appliance. Dispose of discarded appliances and shipping or packing material properly. Before discarding a dishwasher, remove the door of the washing compartment.



Do not store or use combustible materials, gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

- Load light plastic items so they will not become dislodged and drop to the bottom of the dishwasher—they might come into contact with the heating element and be damaged.
- To minimize the possibility of electric shock, disconnect this appliance from the power supply before attempting any maintenance. **NOTE:** Turning the dishwasher off does not disconnect the appliance from the power supply. We recommend having a qualified technician service your appliance.

- **Do not attempt to repair or replace any part of your dishwasher unless it is specifically recommended in this guide. All other servicing should be referred to a qualified technician.**

GROUNDING INSTRUCTIONS



This dishwasher must be properly installed and located in accordance with the Installation Instructions before it is used. If you did not receive

an Installation Instructions sheet with your dishwasher, you can obtain one by calling, toll-free, the GE Answer Center®, 800.626.2000.

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



WARNING—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 whether the appliance is properly grounded.



WARNING—HYDROGEN GAS is produced by the chemical action within your water heater. It can accumulate in the water heater

and/or water pipes if hot water has not been used for a period of two weeks or longer.

HYDROGEN GAS IS EXPLOSIVE. To prevent the possibility of damage or injury, if you have not used hot water for two weeks or more, or moved into a residence in which the hot water system may not have been used for some time, turn on all hot water faucets and allow them to run for several minutes before using any electrical appliance which is connected to the hot water system. This will allow any hydrogen gas to escape. Also, since the gas is flammable, do not smoke or use an open flame or appliance during this process.

SAVE THESE INSTRUCTIONS

ENERGY-SAVING TIPS

- **Operate the dishwasher only when it's full.** Let the dishes accumulate in the dishwasher. When you put in only a partial load, use the RINSE HOLD cycle to rinse off heavy soils. Be sure to latch the door when waiting for a full load. This helps to keep soils moist, easier to remove.
- If you don't need your dishes right away, use your **ENERGY SAVER DRY** feature that turns the drying heater off automatically. Dishes dry naturally over a longer period such as overnight.
- Always select the cycle that uses the least amount of water that will remove the soil from the load. (See the Operating section.)



OPERATING INSTRUCTIONS

Your dishwasher is designed to give maximum performance on loads with normal and heavy soils.

The Display

This display tells you what is happening in the dishwasher and can alert you to some possible problems. It also remembers your last cycle so you don't have to reprogram each time. See Shortcut section.

Information displayed:

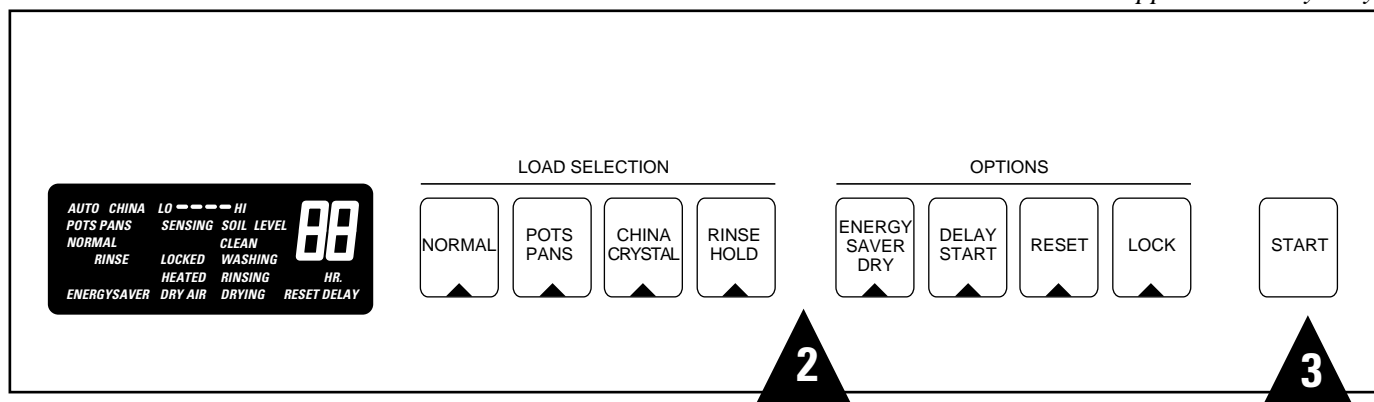
- Load Selections
- Options
- When the dishwasher is sensing the amount of soil in the load.
- Cycle phase, such as WASHING, RINSING or DRYING

- Diagnostic codes to alert you to possible problems
- Time remaining in the cycle will be displayed approx. 10–15 minutes after cycle has started.
- The amount of soil in the load.

See the display section for explanation of displays and codes.

The Active Vent—The vent will close during washing to retain heat and reduce noise. After washing it will open to vent moisture and help the dishes dry faster.

Features and appearance may vary.



1

Before you Begin

- Load dishware. (See Loading section.)
- Add detergent. (See Detergent Dispensers and Detergent Guide sections.)
- Check rinse agent level. (See Rinse Agent section.)
- Close and latch the door.

NOTE: If dishwasher drains into a garbage disposal, operate the disposal until it is empty before starting the dishwasher.

2

Select Cycle/Option

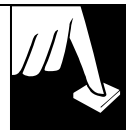
Touch the center of the pad to select your desired Load Selection and Options.

3

Starting the Cycle

Touch the START pad to begin the cycle.

NOTE: There is a time delay between start-up and water fill so you will not hear any wash action right away. The dishwasher will proceed through your entire program and turn off automatically.



Load Selection Descriptions

NORMAL

For loads of everyday dishes, glasses and cookware with medium soils. Designed to yield high performance on average soils.

NOTE: Many dishes have lighter soil than normal. Choosing a cycle other than NORMAL WASH will save water.

POTS PANS

For heavily soiled dishes or cookware with dried-on or baked-on soils. Everyday dishes may be included. This cycle will not remove burned-on foods.

CHINA CRYSTAL

For lightly soiled china and crystal. Water is aerated for a gentle wash.

RINSE HOLD

For rinsing partial loads that will be washed later. Make sure ENERGY SAVER DRY is selected. *Do not use detergent or the DELAY START with this cycle.*

Options Descriptions

ENERGY SAVER DRY on

Turns off heating unit. Dishes air-dry naturally. It takes longer, but saves energy. You can prop the door open after the word CLEAN appears in the display. Excellent for overnight drying.

ENERGY SAVER DRY off

(HEATED DRY) Provides faster drying.

DELAY START

You can delay the start of a wash cycle for up to 14 hours. Tap or press and hold the DELAY START pad to choose the numbers of hours you want to delay the start of the cycle. The machine will count down and start automatically at the correct time.

NOTE: If you forget to latch the door a reminder signal will beep until you do so.

RESET

To change a cycle after washing starts, touch the RESET pad to cancel cycle. After water is pumped out and motor stops, you can reprogram and restart the dishwasher.

LOCK

See page 6 on how to use this valuable feature.

(continued next page)

OPERATING INSTRUCTIONS

(continued)

Dishwashing shortcut



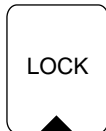
The dishwasher remembers your last cycle so you don't have to reprogram each time.

When the dishwasher is loaded and the door latch is moved to the ON position, the control panel will display the last settings you selected.

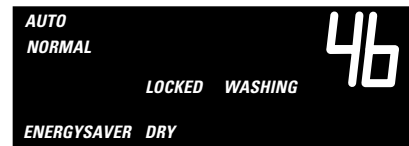
If you don't want to change any of the settings, simply touch START.

NOTE: If there has been a power failure, NORMAL wash and HEATED DRY will automatically be programmed. Make any new selections as desired and touch START.

How to lock dishwasher controls to prevent use by children



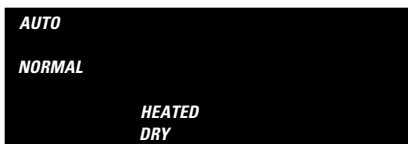
Your dishwasher has a locking feature. When the LOCK pad is touched twice within 3 seconds, all pads become inoperative. You can lock the controls to prevent any selections from being made. Or you can lock the controls after you have started a cycle or selected DELAY START so the cycle or delay start is not interrupted. The word LOCKED appears in the display.



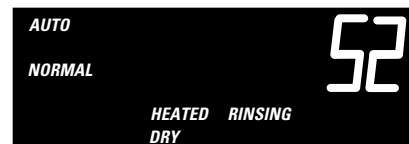
Children cannot accidentally start dishwasher by touching pads.

To unlock the dishwasher after it has been locked, touch the LOCK pad twice within 3 seconds. The word LOCKED will disappear from the display.

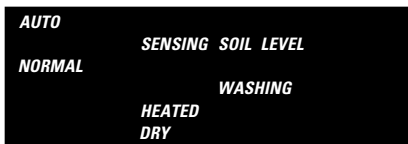
Example of what will be displayed when a Normal Cycle with Energy Saver Dry off (Heated Dry) is selected



Cycle selected



Rinse cycle and minutes remaining in the cycle



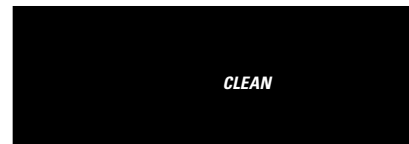
Cycle started and the soil level is being sensed



Drying



Soil level determined

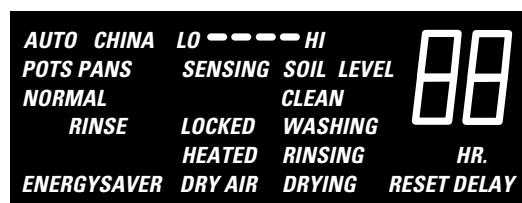


Dishes clean and dry



Main Wash and minutes remaining in the cycle

THE DISPLAY TELLS YOU WHAT'S HAPPENING



DISPLAY	WHAT IT MEANS
AUTO NORMAL	NORMAL cycle has been selected.
AUTO POTS PANS	POTS PANS cycle has been selected.
AUTO CHINA	CHINA CRYSTAL cycle has been selected.
RINSE	RINSE HOLD cycle has been selected.
HEATED DRY	Displayed when ENERGY SAVER DRY is not selected.
ENERGY SAVER DRY	Displayed when ENERGY SAVER DRY is selected.
SENSING SOIL LEVEL	Displayed when the dishwasher is determining the amount of soil in the load and calculating the amount of wash time needed.
LO — — — — HI SOIL LEVEL	Shows the amount of soil in the load from LO (one bar lighted) to HI (all four bars lighted).
NUMERALS FROM 1 to 99 MINUTES	Number of minutes left in the cycle.
WASHING	Displayed during Pre-wash, Pre-rinse and Main Wash periods.
RINSING	Displayed during Rinse periods following the Main Wash.
DRYING	Displayed during heated drying.
CLEAN	Indicates completed cycle. Remains on until door is unlatched.
LOCKED	Indicates controls are locked to prevent unauthorized use.
NUMERALS FROM 1 to 14 HRS. DELAY	Number of hours delay until start of cycle.
RESET	The RESET pad was touched.
PF RESET	Indicates a power failure occurred.

THE DISPLAY TELLS YOU IF CERTAIN THINGS ARE WRONG

DISPLAY	WHAT IT MEANS	WHAT TO DO
PF RESET	Electrical power to the dishwasher has been interrupted but is now back on.	<p>IF DISHWASHER WAS IN USE WHEN THE POWER FAILURE OCCURRED:</p> <ol style="list-style-type: none"> 1. Press the RESET pad and wait approximately 30 seconds. 2. Unlatch and open the door. <ol style="list-style-type: none"> A) If the detergent cup is open and empty and the dishwasher was set for the NORMAL, POTS PANS or CHINA CRYSTAL cycle, close door and put the load through a RINSE HOLD cycle. After the RINSE HOLD cycle is completed, add detergent and reset the load for the washing cycle you want. B) If the detergent cup is closed and the dishwasher was set for the NORMAL, POTS PANS or CHINA CRYSTAL cycle, reset the dishwasher for the wash cycle you want. C) If the dishwasher was set for the RINSE HOLD cycle, reset the dishwasher for RINSE HOLD. <p>IF THE DISHWASHER WAS NOT IN USE when power failure occurred, use dishwasher as you normally would.</p>
[1]	Slow draining. The dishwasher is taking longer than normal to drain the water out. This is usually caused by a blockage in the drain air gap (see Air Gap section), a kink in the drain hose, or a stopped-up pipe.	<p>This dishwasher is designed to automatically compensate for longer than normal drain times, but cycle time will be extended. If this code continues to appear frequently:</p> <ol style="list-style-type: none"> 1. Clean the air gap (See Air Gap section). 2. Check for a kink in the drain hose. 3. Check plumbing for slow or stopped-up drains. (NOTE: Warranty service does not cover household drain problems.)
[2] RESET	Drain is blocked. Similar to slow drain. This indicates that the drain is so clogged that the dishwasher cannot continue to operate in a satisfactory manner. Dishwasher will stop.	<p>Press the RESET pad to stop the beep.</p> <p>Locate and remove the blockage in the drain system. To pump any remaining water out of the machine:</p> <ol style="list-style-type: none"> 1. Latch door. 2. Select any cycle. 3. Touch "START" and then immediately touch RESET. (NOTE: Warranty service does not cover household drain problems.)
[3]	Drain sensor is not functioning. Dishwasher will continue cycle along with a fixed drain period.	If [3] repeats for the next cycle, call for service.
[4] RESET	There is too much water in the dishwasher.	<p>Press the RESET pad to stop the beep.</p> <p>The dishwasher is designed to automatically pump out extra water as long as the door is latched. When you hear the motor stop running:</p> <ol style="list-style-type: none"> 1. Unlatch the door and see if all the water is gone. 2. If you see water entering the dishwasher, close and latch the door. Shut off the water supply to the dishwasher. 3. If water is gone and no water is entering the dishwasher, restart cycle. 4. If [4] repeats, shut off the water supply to the dishwasher. Call for service.

DISPLAY	WHAT IT MEANS	WHAT TO DO
E5	<p>This can be caused by either of these reasons:</p> <p>Not enough water is entering the dishwasher.</p> <p>or</p>	<p>Unlatch the door. If there is no water in the bottom of the dishwasher, check the water supply to the dishwasher.</p> <ul style="list-style-type: none"> • Is the dishwasher water supply turned on? (Valve usually located under the sink.) • Is the household water supply turned on? • If you use well or cistern water, is the supply adequate? <p>If the water supply is adequate, try the cycle again. If E5 repeats, call for service.</p>
	<p>The drain pump could be temporarily blocked (usually caused by food particles such as cereal).</p>	<p>Unlatch the door. If there is standing water in the bottom of the dishwasher, relatch the door, touch START, then immediately touch RESET to start the pump. If E5 continues to appear, you may need to do this several times to break up the blockage.</p>
E6	<p>The water temperature in the dishwasher did not reach the proper wash temperature. This is usually caused by lack of hot water coming from the household water heater.</p>	<p>Avoid showers or laundry just prior to running the dishwasher. (Use the DELAY START feature to start dishwasher when the water heater is up to normal temperature.) Adjust household water heater thermostat to 120°F. minimum.</p> <p>If E6 appears nearly every cycle and you know the water from the household water heater is hot (120°F. or more), call for service.</p>
E7	<p>The temperature sensor in the dishwasher is not functioning properly. Dishwasher may continue to be used, but it will not heat water automatically.</p>	<p>The temperature sensor needs to be replaced. Call for service.</p> <p>NOTE: You may continue to use your dishwasher. For best results adjust your household water heater thermostat to 140°F.</p>

Before you call for service

- Try the cycle again to see if the Code reappears. The dishwasher may correct itself.
- Sometimes electronic controls can be affected by outside interference. Shutting off the power to the dishwasher (at the fuse or circuit breaker) may correct the problem. Restore power after about 15 seconds and try the cycle again.
- Check the guide for things you can do to correct the problem.
- See The Problem Solver section.

OPERATING INSTRUCTIONS

(continued)

Soil Sensor System



Your new dishwasher automatically decides the best way to get your dishes clean using the least amount of water and energy. It has an exclusive Soil Sensor System that measures the amount of soil in the load. After the soil is measured the dishwasher decides the length of the Main Wash cycle and the number of rinses needed.

CYCLE	SOIL LEVEL	CYCLE SEQUENCES								WATER USAGE GALLONS	TOTAL TIME MINUTES
Normal	Heavy LO --- HI	PreWash/ PreRinse	PreRinse			Main Wash 22-37 minutes	Rinse	Rinse	Rinse	9.3	58-73
Normal	Medium LO -- HI	PreWash/ PreRinse				Main Wash 15-30 minutes	Rinse	Rinse	Rinse	7.6	44-59
Normal	Light LO - HI	PreWash/ PreRinse				Main Wash 12-27 minutes		Rinse	Rinse	6.5	36-51
Pots Pans	Extra Heavy LO ---- HI	PreWash/ PreRinse	PreRinse	PreRinse	PreRinse	Main Wash 22-37 minutes	Rinse	Rinse	Rinse	12.2	67-82
Pots Pans	Heavy LO --- HI	PreWash/ PreRinse	PreRinse	PreRinse		Main Wash 22-37 minutes	Rinse	Rinse	Rinse	10.8	62-77
Pots Pans	Medium LO -- HI	PreWash/ PreRinse	PreRinse			Main Wash 22-37 minutes	Rinse	Rinse	Rinse	9.3	58-73
Pots Pans	Light LO - HI	PreWash/ PreRinse				Main Wash 15-30 minutes	Rinse	Rinse	Rinse	7.6	43-58
China Crystal	Medium LO -- HI	PreWash/ PreRinse				Main Wash 15-30 minutes	Rinse	Rinse	Rinse	7.4	42-57
China Crystal	Light LO - HI					Main Wash 9-24 minutes	Rinse	Rinse	Rinse	5.9	29-39
Rinse Hold		PreWash/ PreRinse								1.5	7

Drying Cycle Options:

ENERGY SAVER DRY off (HEATED DRY). Available on all wash cycles except RINSE HOLD. Add 38 minutes to wash cycle time.

ENERGY SAVER DRY on. Drying heater is turned off. Dishes dry naturally.

Good Dishwashing Starts with HOT Water

To get dishes clean and dry, you need hot water. For good washing and drying, the entering water must be at least 120°F. To prevent dish damage, inlet water should not exceed 150°F.

How to Test Water Temperature

Check your water temperature with a candy or meat thermometer. Turn on the hot water faucet nearest the dishwasher. Put the thermometer in a glass and let the water run continuously into the glass until the temperature stops rising. If the water temperature is below 120°F., adjust your water heater.

Helpful hints: If outside temperatures are unusually low, or if your water travels a long distance from water

heater to dishwasher, you may need to set your water heater's thermostat up. If you have not used hot water for some time, the water in the pipes will be cold. Turn on the hot water faucet at the sink and allow it to run until the water is hot. Then start the dishwasher. If you've recently done laundry or run hot water for showers, give your water heater time to recover before operating the dishwasher.

How to Use a Rinse Agent

The rinse agent makes water flow off dishes quicker than usual. This lessens water spotting and makes drying faster, too.

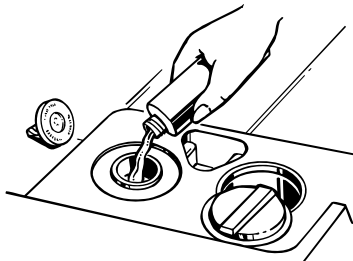
For best dishwashing performance, use of a rinse agent such as JET-DRY brand is recommended.

Rinse agents come in either liquid or solid form. Your dishwasher uses the liquid form.

How to fill the rinse agent dispenser.

Unscrew the cap.

Add liquid rinse agent until it just reaches the bottom of lip inside the dispenser opening. Replace cap. The dispenser automatically releases rinse agent into final rinse water.



You may check to see if you need to add rinse agent by removing the fill cap and looking into the container. You may also check the rinse agent by pressing the clear center of the fill cap 2 or 3 times. If rinse agent is drawn into the center of the fill cap, you have enough. If the center area remains clear add rinse agent.

Your dishwasher's rinse agent container holds approximately 4½ ounces. This should last about 3 months. Fill as needed.

If you accidentally spill: Wipe up the rinse agent with a damp cloth. Don't leave the spill in the dishwasher. It can keep your detergent from working.

If you can't find any rinse agent, write:

BENCKISER CONSUMER PRODUCTS, INC.
("JET-DRY")
Corporate Centre 1
55 Federal Road
P.O. Box 1991
Danbury, CT 06813-1991

Forget to Add a Dish?

Add dishes any time during the RINSE & HOLD cycle. With other wash cycles, you can add dishes at any time BEFORE the main detergent wash portion of the cycle.

However, opening the door during any cycle lessens cleaning power. So try to load everything at the beginning.

Here's how to add a forgotten dish:

1. Push the door latch to the left. Washing will stop.
2. Wait a few seconds until the water calms. Then open the door. **WARNING: Hot vapor may rise from the opened door.**
3. Add dishes you've forgotten.
4. Close the door and push the latch to the far right. When the door is locked, washing will continue.

NOTE: If you forgot to latch the door a reminder signal will beep until you do so.

OPERATING INSTRUCTIONS

(continued)

How to Choose and Use the Right Detergent

Use only powder or liquid detergent specifically made for use in dishwashers. Other types will cause oversudsing.

How much detergent should you use? That depends. Is your water “hard” or “soft”? With hard water, you need extra detergent to get dishes clean. With soft water, you need less detergent.

Your water department can tell you how hard your water is. So can your county extension agent or your area’s water softener company. Just call and ask them how many “grains” of hardness there are in your water.

Too much detergent with soft water not only wastes money, it can be harmful. It can cause a permanent

cloudiness of glassware, called “etching.” An outside layer of glass is etched away! Of course, this takes some time. But why take a chance when it’s easy to find out the hardness of your water.

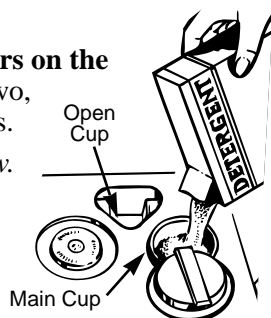
Keep your detergent fresh and dry. Under the sink isn’t a good place to store detergent because there is too much moisture. Don’t put powder detergent into the dispenser until you’re ready to wash dishes, either. (It won’t be fresh OR dry.)

If your powder detergent gets old or lumpy, throw it away. Old detergent often won’t dissolve. If you use a liquid dishwasher detergent, these precautions are not necessary because liquid detergents don’t “lump” as they age or come in contact with moisture.

Detergent Dispensers

You’ll find two detergent dispensers on the inside door of your dishwasher. Two, because some cycles use two washes.

See “Detergent Usage Guide” below. (Be sure the **CYCLE INDICATOR DIAL** is at **OFF** position before adding detergent. Otherwise, the detergent cup will not close and latch properly.)



Close the main cup.

NOTE: To open detergent cup after it has been closed, simply turn the detergent cup handle counter-clockwise until it releases. A snapping sound may be heard. This is normal when the detergent cup opens.



Grasp handle and turn counter-clockwise

Detergent Usage Guide (powder or liquid)

CYCLES	SOFT WATER (0-3 grains hardness)		MEDIUM WATER (3-7 grains)		HARD WATER (7-12 grains*)	
	Main Cup	Open Cup	Main Cup	Open Cup	Main Cup‡	Open Cup‡
NORMAL POTS PANS	Half Full	Half Full	Completely Full	Half Full	Completely Full	Completely Full
CHINA CRYSTAL	Half Full	None		None	Completely Full	None
RINSE HOLD	Use no detergent		Use no detergent		Use no detergent	

*12 grains and up is extremely hard water. A water softener is recommended. Without it, lime can build up in the water valve. The water valve may stick while open and cause flooding.

‡ Filled Main Cup holds 3 tablespoons; filled Open Cup holds 2 tablespoons.

How to Prepare the Dishes for Washing

If this is your first dishwasher, or if you’re replacing a much older model, you may wonder how much preparation your dishes need. Actually very little. Scrape off bones, seeds, skins, toothpicks and other hard solids. Remove excessive quantities of oil or grease.

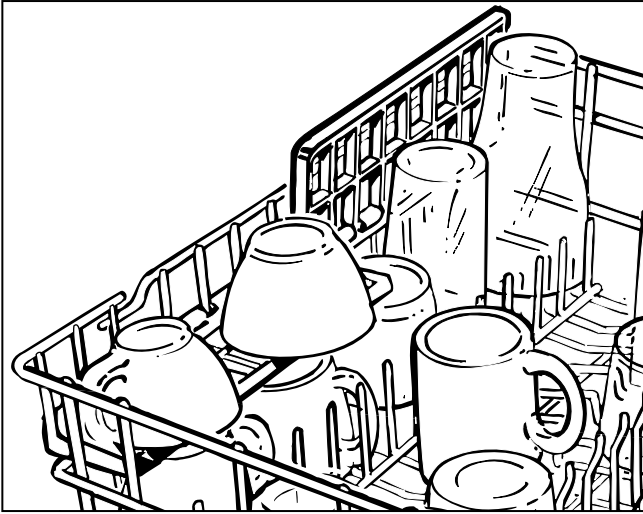
NOTE: You may also want to consider removing foods such as mustard, mayonnaise, vinegar, lemon juice and other foods that can cause discoloration of stainless steel if allowed to remain on dishes for a long period of time.

The POTS PANS cycle can wash heavily soiled dishes and remove dried-on and baked-on soils from pots, pans and casseroles. Items with burned-on soils need extra preparation.

HOW TO LOAD YOUR DISHWASHER

For best dishwashing results follow these loading guidelines. Features and appearance of racks and silverware baskets may vary from your model.

Upper Rack



The upper rack is best for glasses, cups and saucers. Cups and glasses fit best along the sides. This is also a secure place for dishwasher-safe plastics.

A cup shelf (on some models) may be placed in the up or down position to add flexibility. Load the bottom row first, then fold the shelf down and load the top row.

The upper rack is good for all kinds of odd-shaped utensils. Saucepans, mixing bowls and other items should be placed face down.

NOTE:

- Secure larger dishwasher-safe plastics over two fingers when possible.
- Make sure when loading, that small plastic items are secured, so they can't fall onto the heating element.

The Wash Tower



Keep the center area clear in the lower rack.

The wash tower rises through the center of the lower rack during the wash and rinse portions of the cycle.

Don't block it or load tall things next to it.

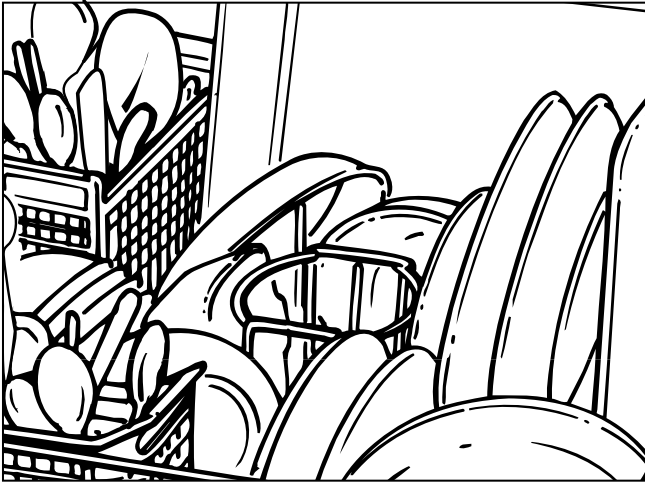
Also, be careful not to let a portion of an item such as a pot or dish handle extend through the bottom rack. This could block the wash arm and cause poor washing results.

HOW TO LOAD YOUR DISHWASHER

(continued)

Lower Rack

NOTE: When loading the lower rack, do not load large platters or trays in the front right corner. They may prevent detergent from circulating in the wash cycle.



The lower rack is best used for plates, saucers, and cookware. Large items such as broiler pans and racks should go along the sides. Load platters, pots and bowls along the sides, in corners, or in the back.

Place all items to be washed with the soiled side facing the center of the rack.

Fold-down fingers (on some models) provide flexibility for extra large and hard-to-fit items.

The fingers may be left in the up position or folded down to customize the lower rack.

Silverware Basket

NOTE: Don't place the silverware basket in the front right corner because the detergent could pour into it and damage silverware.



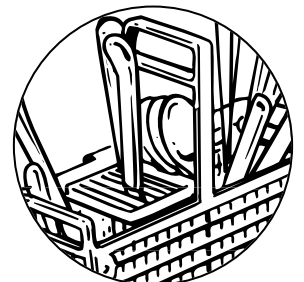
Don't let any item extend through bottom

Put flatware in the removable basket with fork and knife handles up to protect your hands. Place spoons in the basket with handles down. Mix knives, forks and spoons so they don't nest together. Distribute evenly.

Small plastic items, such as measuring spoons and lids from small containers, should go in the bottom of the silverware basket with silverware on top.

To increase the flexibility of the lower rack, the silverware basket may be split. Grasp the basket at the opposite corners and slide apart. The basket sections should be placed in the lower rack by hanging them on the top hoop.

Security cell covers (on some models) hinged in the silverware basket handles can be lowered to either side to secure lightweight items from the effects of the vigorous wash action.



WHAT YOU CAN USUALLY WASH SAFELY IN YOUR DISHWASHER

Material	Usually Safe	Exceptions (not safe)	Special Instructions
Aluminum	YES	Some colored anodized aluminum can fade.	Some darkening or spotting possible. Remove by scouring with soap-filled steel wool pads.
China/ Stoneware	YES	Antique, metal-trimmed, hand-painted or over-the-glaze patterns fade. Gold leaf will discolor.	If in doubt, check with the manufacturer. Or test wash one piece daily for at least a month. Compare with the rest of the set.
Crystal	YES	Antique, metal-trimmed or hand-painted patterns fade. Gold leaf will discolor.	Load securely to prevent movement. Select CHINA CRYSTAL cycle. Check your manufacturer's instructions for your crystal.
Non-dishwasher items—such as electronic air cleaner filters, furnace filters, paint brushes, etc.	NO		Do not wash in dishwasher. Damage to dishwasher and discoloration or staining of dishwasher may result.
Glass	YES		
Iron	NO	Iron will rust.	
Pewter	NO	Pewter tarnishes.	
Plastics	YES		If it doesn't say DISHWASHER SAFE, test one piece in the top rack before dishwashing an entire set.
Stainless steel	YES		Rinse if not washing immediately. Salty or acidic foods can stain if left on.
Sterling silver and silver plate	YES	Don't put in same silverware basket with stainless steel. Contact between metals can damage silver. Don't wash copper utensils in the same load. Silver may get a brown film. Adhesive used to attach some hollow-handle knives can loosen.	Rinse if not washing immediately. Salty or acidic foods can stain if left on. Dry detergent can cause difficult-to-remove black spots. Place in back section of silverware basket to avoid exposure to detergent from the detergent cup.
Non-stick coatings	YES		After washing, wipe the non-stick coating area with vegetable oil to keep it from losing its non-stick quality.
Tin	NO	Tin can rust.	
Wood	NO	Wood can warp, crack or lose its finish with any type of washing.	

CARE AND CLEANING

USER MAINTENANCE INSTRUCTIONS

Clean the control panel with a lightly dampened cloth. Dry thoroughly. Do not use abrasives or sharp objects on the panel. They can damage it.

Clean the outside with a good appliance polish wax. The outside cabinet finish is durable, but it can scratch. Do not use scouring pads, or harsh or gritty cleaners.

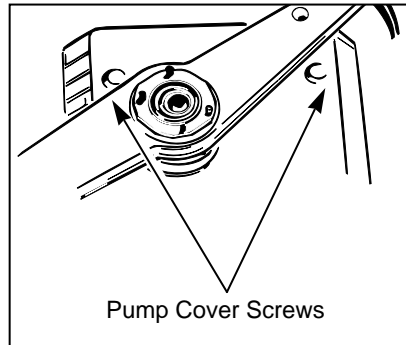
Appliance Polish Wax & Cleaner (Cat. No. WR97X0216) is available from GE Service and Parts Centers.

The inside usually takes care of itself. If it should ever need cleaning, use a mild cleansing powder. Scouring pads and harsh cleaners can mar the finish.

Not Using Your Dishwasher in Winter? Protect Against Freezing.

If your dishwasher is left in an unheated place during the winter, ask a service technician to:

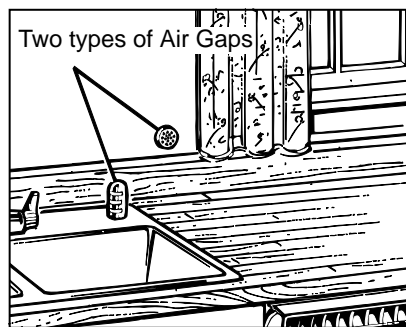
- Cut off electrical power to the dishwasher. Remove fuses or trip circuit breaker.
- Turn off the water supply.
- Disconnect the water inlet line from the water valve.
- Drain water from the inlet line and water valve. (Use a pan to catch the water.)



- Reconnect the water inlet line to the water valve.
- Drain the collection chamber at rear of unit below filter by disconnecting hose to pump. Reconnect after draining.
- Remove the plastic pump cover in the tub bottom and use a sponge to soak up water in the rubber boot.

Built-in Dishwashers Often Use an Air Gap. Keep It Clean.

An air gap is a plumbing device. It protects your dishwasher against water backing up into it if a drain clogs. The air gap is not a part of the dishwasher and you may not even have one. Not all plumbing codes require air gaps.



Check the air gap any time your dishwasher isn't draining well.

If you have an air gap, check it at least once a month. **IT IS NOT PART OF YOUR DISHWASHER. IT IS NOT COVERED IN YOUR WARRANTY.**

The air gap is easy to clean.

With most types, first turn off the dishwasher, then lift off the chrome cover. Then unscrew the plastic cap and check for any buildup of grit. A toothpick makes cleaning easy.

WOOD PANEL TRIM KITS

Wood Panel Trim Kits

Wood panel trim kits contain trim and instructions for adding a decorative wood door panel and lower access panel to match your kitchen cabinets.

Specify the trim of your choice from the following options:

GPF45—1/4" Panel Trim Kit

GPF46—3/4" Panel Trim Kit

Wood panel trim kits are available at an extra cost by calling, toll-free, 1-800-626-2002. The kits will be shipped directly to your home. Visa, Mastercard and Discover cards are accepted.

QUESTIONS? USE THIS PROBLEM SOLVER

PROBLEM	POSSIBLE CAUSE
CONTROL PANEL LIGHTS GO OFF WHEN YOU'RE SETTING CONTROLS	Time too long between touching of selected pads. Each pad must be touched within 30 seconds of the others. To relight, touch any pad again, or unlock and relatch door.
THE WORD AUTO DOESN'T APPEAR IN THE DISPLAY	<p>The sensor is clogged or faulty.</p> <p>Try using the below steps to clear the sensor:</p> <ol style="list-style-type: none"> 1. Remove all metal utensils from the dishwasher. 2. DO NOT ADD DETERGENT. 3. Select POTS PANS cycle and ENERGY SAVER DRY off. 4. Start the dishwasher and allow to run until the time remaining in the cycle appears in the display. 5. Then open the door and pour 1/4 cup of citric acid crystals into the bottom of the dishwasher. (Most drugstores carry citric acid crystals. If yours doesn't, call GE Service and Parts Centers.) 6. Close the door and allow the dishwasher to complete the cycle. <p>If the problem continues call for service.</p>
DISHWASHER WON'T RUN	A fuse in your home may be blown, or the circuit breaker tripped. Replace fuse or reset circuit breaker. Remove any other appliances from the circuit.
UNUSUAL NOISE	<p>Utensils may not be secure on rack pins, or something small may have dropped from the rack. Water is causing utensils to rattle. Make sure everything is securely placed in dishwasher.</p> <p>Water draining out of tub immediately after you touch RESET pad. The sounds you hear are normal ones.</p>
DISHES DON'T DRY	<p>Make sure inlet water temperature is correct. (To test, see How to Test Water Temperature section.)</p> <p>Unload the bottom rack first. Water from dishes in the top rack may be spilling onto the bottom rack.</p> <p>Check for improper loading. Dishes shouldn't nest together. Avoid overloading.</p> <p>Check the rinse agent dispenser to see that it's not empty.</p> <p>Choose another cycle to give you longer washing time.</p>
UNCLEAN DISHES AND FLATWARE	<p>Check inlet water temperature. It should be at least 120°F. (To test, see How to Test Water Temperature section.)</p> <p>Water pressure may be temporarily low. Turn on a faucet. Is water coming out slower than usual? If so, wait until pressure is normal before using your dishwasher.</p> <p>Plugged air gap. (See Care and Cleaning section.)</p> <p>Improper rack loading. (See Loading section.)</p> <p>Choose another cycle to give you longer washing time.</p> <p>Make sure the area in and around the vent is clear.</p>

PROBLEM	POSSIBLE CAUSE
BLACK OR GRAY MARKS ON DISHES	Aluminum utensils often leave marks when they rub against dishes. Remove marks with a mild abrasive cleanser.
DETERGENT LEFT IN DISPENSER CUPS	<p>Water may not be reaching the detergent cups. Move dishes that may be blocking the detergent cup.</p> <p>The dispenser cover may not be opening or may be blocked by improperly loaded items. If you used a powder detergent, open the cups and remove any caked-on detergent. If the cup still doesn't open automatically, call for service.</p> <p>Detergent may be old. If the powder is hard or caked in the box, throw it away.</p> <p>The detergent may not be working well. Try another brand.</p>
SPOTS AND FILMING ON GLASSES AND FLATWARE	<p>Spotting can be caused by all of these things:</p> <ul style="list-style-type: none"> • Extremely hard water. (See How to Choose and Use Detergent section.) • Low inlet water temperature. (To test, see How to Test Water Temperature section.) • Overloading the dishwasher. • Improper loading. (See Loading section.) • Old or damp powder detergent. • Phosphate level in detergent too low. (See How to Choose and Use Detergent section.) • Rinse agent dispenser empty. (See How to Use a Rinse Agent section.) • Too little detergent. (See How to Choose and Use Detergent section.) <p>Due to varying local water conditions and personal preferences, try several brands of detergents to find one that gives the best results for you. A liquid dishwasher detergent may help reduce filming.</p> <p>To remove spots and film from glassware:</p> <ol style="list-style-type: none"> 1. Remove all metal utensils from the dishwasher. 2. DO NOT ADD DETERGENT. 3. Select POTS PANS cycle and ENERGY SAVER DRY off. 4. Start the dishwasher and allow to run until the time remaining in the cycle appears in the display. 5. Then open the door and pour 2 cups (500ml) of white vinegar into the bottom of the dishwasher. 6. Close the door and allow the dishwasher to complete the cycle. <p>If vinegar rinse doesn't work: Repeat as above, except use 1/4 cup of citric acid crystals instead of vinegar. (Most drugstores carry citric acid crystals. If yours doesn't, call GE Service and Parts Centers.)</p> <p>Using a vinegar or citric acid crystal rinse more than twice a month? Consider a home water softener.</p>

(continued next page)

THE PROBLEM SOLVER

(continued)

PROBLEM	POSSIBLE CAUSE
CLOUDINESS ON GLASSWARE	<p>If vinegar or citric acid crystal rinse doesn't work, the cloudiness is "etching." The film cannot be removed.</p> <p>It can be prevented: Use less detergent if you have soft water. Wash glassware in the shortest cycle that will get them clean.</p> <p>Water temperature entering dishwasher exceeds 150°F.</p>
YELLOW OR BROWN FILM	<p>Tea or coffee can stain cups. Remove the stains by hand, using a solution of 1/2 cup bleach and 3 cups warm water.</p> <p>An overall yellow or brown film on dishes or glassware can be caused by iron deposits in water. A special filter in the water supply line is the only way to correct this problem. Your water softener company can tell you about the filter.</p> <p>Yellow film on sterling silver results when you wash copper utensils in the same load. Silver polish will usually remove this stain.</p>
CHIPPING OF CHINA	<p>Rough handling can cause chipping. Load with care. Make sure glassware and china are secure and can't jar loose. (See Loading section for correct way to load glassware.) Make sure tall glasses and stemware will clear the top of the tub when you push the rack into the dishwasher. Always use the top rack for delicate items.</p> <p>Use the CHINA CRYSTAL cycle for fine china.</p>
SMALL AMOUNT OF WATER STANDING IN THE BOTTOM OF THE TUB	<p>Water around the outlet on the tub bottom at the back of the tub is normal. It is clean water. It's there to keep the water seal lubricated.</p>
WATER WON'T PUMP OUT OF THE TUB	<p>If the entire bottom of the tub has water, you may have a drain problem. Clean the air gap, if you have one. (See Care and Cleaning section.)</p> <p>Check the kitchen sink. Is it draining well? You may need a plumber.</p> <p>If dishwasher drains into a disposer, run the disposer to clear. Be sure the disposer is not clogged.</p> <p>See the Display section.</p>
SUDS IN THE TUB	<p>Sudsing detergents are not meant for dishwashers. USE ONLY AUTOMATIC DISHWASHER DETERGENTS TO AVOID SUDSING.</p> <p>To remove suds from the tub: Open the dishwasher. Let suds evaporate. Add 1 gallon of cold water to the tub. Close and latch the dishwasher. To pump out water, touch START then immediately touch RESET.</p> <p>Repeat if necessary.</p>
DISHWASHER LEAKS	<p>Suds can cause unit to overflow. That's why it's so important to use a detergent that's designed for automatic dishwashers.</p> <p>Spilling the rinse agent can cause foam during washing. This can lead to overflowing. (Wipe up accidental spill of rinse agent with a damp cloth.)</p>

PROBLEM	POSSIBLE CAUSE
MOTOR HUMS	Dishwasher has not been used on a regular basis. If you do not use your dishwasher often set it to fill and pump out once every week. This will help keep the seal moist, and the garbage disposer clear.
STAINING OF TUB INTERIOR	Some detergents contain colorant (pigment or dyes) that will discolor the tub interior with extended use. Check the detergent cup for signs of any discoloration. If cup is discolored, change to detergent without any colorant.
CONTROL PANEL DOESN'T RESPOND TO INPUTS	Shut off power to dishwasher at fuse or circuit breaker. Wait 15 seconds and restore power to dishwasher. Try input panel again.
SOUNDS YOU WILL HEAR	You'll hear occasional clicking sounds. These are normal. <ul style="list-style-type: none"> • Soft food disposal shredding action. • Drain valve opening to pump water out. • Detergent cup opening. During the drying period the motor stops.
VAPOR AT THE VENT	Water vapor comes through the vent by the door latch during drying. This is normal.
DETERGENT CUP ACCIDENTALLY LATCHED	<ul style="list-style-type: none"> • Close and latch the door. • Touch the RESET pad three times within 3 seconds. Display will show dE RESET. • When display is blank, unlatch the door and open the detergent cup.

If you need more help...call, toll free:
GE Answer Center®
800.626.2000
consumer information service

NOTES

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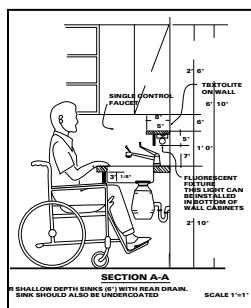
With the purchase of your new Monogram appliance, receive the assurance that if you ever need information or assistance from GE, we'll be there. All you have to do is call—toll-free!

GE Answer Center® **800.626.2000**

Whatever your question about any Monogram major appliance, GE Answer Center® information service is available to help. Your call—and your question—will be answered promptly and courteously. And you can call any time. GE Answer Center® service is open 24 hours a day, 7 days a week.

In-Home Repair Service **800.GE.CARES (800.432.2737)**

A GE consumer service professional will provide expert repair service, scheduled at a time that's convenient for you. Many GE Consumer Service company-operated locations offer you service today or tomorrow, or at your convenience (7:00 a.m. to 7:00 p.m. weekdays, 9:00 a.m. to 2:00 p.m. Saturdays). Our factory-trained technicians know your appliance inside and out—so most repairs can be handled in just 1 visit.



For Customers With Special Needs... **800.626.2000**

Upon request, GE will provide Braille controls for a variety of Monogram appliances, and a brochure to assist in planning a barrier-free kitchen for persons with limited mobility. To obtain these items, free of charge, call 800.626.2000.

Consumers with impaired hearing or speech who have access to a TDD or a conventional teletypewriter may call 800-TDD-GEAC (800-833-4322) to request information or service.

Service Contracts **800.626.2224**

You can have the secure feeling that GE Consumer Service will still be there after your warranty expires. Purchase a GE contract while your warranty is still in effect and you'll receive a substantial discount. With a multiple-year contract, you're assured of future service at today's prices.

Parts and Accessories **800.626.2002**

Individuals qualified to service their own appliances can have parts or accessories sent directly to their home. The GE parts system provides access to over 47,000 parts...and all GE Genuine Renewal Parts are fully warranted. VISA, MasterCard and Discover cards are accepted.

User maintenance instructions contained in this booklet cover procedures intended to be performed by any user. Other servicing generally should be referred to qualified service personnel. Caution must be exercised, since improper servicing may cause unsafe operation.

YOUR MONOGRAM DISHWASHER WARRANTY

Staple sales slip or cancelled check here. Proof of original purchase date is needed to obtain service under warranty.

WHAT IS COVERED

FULL ONE-YEAR WARRANTY

For one year from date of original purchase, we will provide, free of charge, parts and service labor in your home to repair or replace **any part of the dishwasher** that fails because of a manufacturing defect.

LIMITED SECOND-YEAR PARTS WARRANTY

For the second year from date of original purchase, we will provide, free of charge, replacement parts for **any part of the dishwasher** that fails because of a manufacturing defect. You pay for the service trip to your home and service labor charges.

LIMITED FIVE-YEAR RACK/ELECTRONIC PARTS WARRANTY

For five years from date of original purchase, we will provide, free of charge, replacement parts for any

- **rack** that rusts because of a manufacturing defect
- or any
- **electronic control** module that fails because of a manufacturing defect.

You pay for the service trip to your home and service labor charges.

FULL TWENTY-YEAR TUB/DOOR LINER WARRANTY

For twenty years from date of original purchase, we will provide, free of charge, parts and service labor in your home to repair or replace **the PermaTuf® tub or door liner** if it fails to contain water because of a manufacturing defect.

This warranty is extended to the original purchaser and any succeeding owner for products purchased for ordinary home use in the 48 mainland states, Hawaii and Washington, D.C. In Alaska the warranty is the same except that it is LIMITED because you must pay to ship the product to the service shop or for the service technician's travel costs to your home.

All warranty service will be provided by our Factory Service Centers or by our authorized Customer Care® servicers during normal working hours.

Should your appliance need service, during warranty period or beyond, call 800-GE-CARES (800-432-2737).

WHAT IS NOT COVERED

- Service trips to your home to teach you how to use the product.
- Read your Use and Care material.** If you then have any questions about operating the product, please contact your dealer or our Consumer Affairs office at the address below, or call, toll free: GE Answer Center® 800.626.2000 consumer information service
- Improper installation.

If you have an installation problem, contact your dealer or installer. You are responsible for providing

adequate electrical, plumbing, and other connecting facilities.

- Replacement of house fuses or resetting of circuit breakers.
- Cleaning or servicing of air gap device in drain line.
- Failure of the product if it is used for other than its intended purpose or used commercially.
- Damage to product caused by accident, fire, floods or acts of God.

WARRANTOR IS NOT RESPONSIBLE FOR CONSEQUENTIAL DAMAGES.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. To know what your legal rights are in your state, consult your local or state consumer affairs office or your state's Attorney General.

Warrantor: General Electric Company

**If further help is needed concerning this warranty, write:
Manager—Consumer Affairs, GE Appliances, Louisville, KY 40225**



Monogram™

General Electric Company
Louisville, KY 40225

Pub. No. 49-5756
Part No. 165D4700P101
11-95 CG
Printed in Louisville, KY