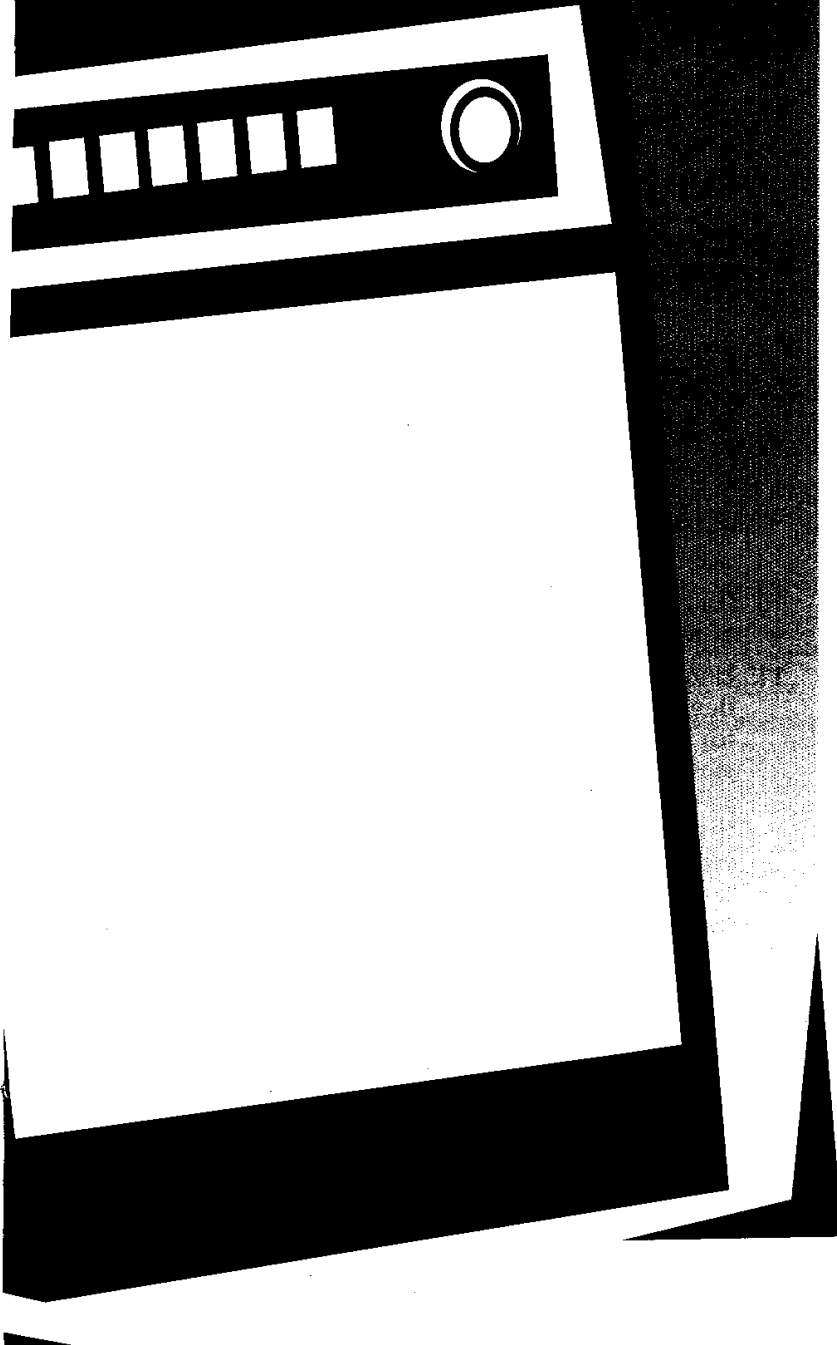


GUIDE

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FOR FUTURE ASSISTANCE

Congratulations on the purchase of your new dishwasher! It is designed to handle virtually every dish you need to do. For best results, we suggest reading this guide to help you properly operate and maintain the appliance.

Please record your model and serial numbers in the spaces provided below. These numbers can be found in the upper left corner of the tub opening. They are needed for any correspondence or service calls concerning your dishwasher.

Model Number


Serial Number

▲ WARNING - Check with the installer to make sure the appliance has been properly grounded to avoid possible electrical shock. Be sure you read the **IMPORTANT PERSONAL SAFETY INSTRUCTIONS** before you start to use this dishwasher.

In addition, keep your sales slip or cancelled check should any warranty service be required. Proof of original date of purchase is needed.

In our continuing effort to improve the quality of our dishwashers, it may be necessary to make changes to the appearance without revising this guide.

IMPORTANT PERSONAL SAFETY INSTRUCTIONS

Products with a  label have been listed with Underwriter's Laboratories, Inc. - those with a CSA tag have been listed with Canadian Standards Association. Nevertheless, as with any other equipment using electricity and moving parts, there is a potential hazard.



1. Read all instructions before using the dishwasher.
2. Use the dishwasher only for its intended function.
3. Disconnect electrical power to dishwasher before attempting to service.
4. To avoid electrical shock hazard, the sides and back must be enclosed and the front panels must be attached before electrical power is applied to the dishwasher. Refer to the installation instructions for proper grounding procedures.
5. Connect to a properly rated, protected and sized power supply circuit to avoid electrical overload.
6. Children should never be permitted to operate, or play in, with, or around this dishwasher.
7. To reduce the risk of injury when loading items to be washed, sharp or pointed items should be located with the handles up. Also, load sharp items so they are not likely to damage the door seal.

8. Be careful not to touch the heating element on the bottom of the tub during or at the completion of a cycle. It may be hot.
9. Use only detergents and rinse additives designed for an automatic dishwasher. Never use soap, laundry detergent, or hand washing detergent in your dishwasher. Keep these products out of reach of children.
10. Do not sit, stand on or abuse the door or dish racks of the dishwasher.
11. 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, turn on all hot water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As this gas is flammable, do not smoke or use an open flame during this process.
12. Do not wash plastic items unless marked "dishwasher safe" or the equivalent. For plastic items not so marked, check the manufacturer's recommendation.
13. Do not tamper with controls.
14. Always remove the door to the washing compartment when removing an old dishwasher from service or discarding it.

SAVE THESE INSTRUCTIONS

OPERATING STEPS

QUICK TIPS

1. Use Hot Water

to dissolve & activate detergent, dissolve greasy food soils and improve drying.

2. Use a Rinse Aid

regularly to improve drying results and reduce spotting and filming.

3. Use the Proper Detergent Amount

for best soil removal, good drying results and prevention of filming, etching, and spotting.

4. Load Properly

to ensure soiled surfaces get adequate wash action. (See page 3).

5. Select the Proper Cycle/Options

based on the amount of food soil on the load. (See page 4).

1. HOT WATER

For best results, the incoming water temperature should be 120-140°F. Check the water temperature by turning on the hot water faucet nearest the dishwasher and letting it run into a glass in the sink. Place a candy thermometer in the glass and check the temperature once it has stopped rising. If it is below 120°F have a qualified person raise the water heater setting.

Helpful Hints:

- If the outside temperature is unusually low, or if your water travels a long distance from the water heater to the dishwasher, you may need to increase your home's water heater setting and/or select water heating options on your dishwasher.
- If you have not used hot water for awhile, 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. Start the dishwasher.
- If you've recently done laundry or run hot water for showers, your water heater may need time to recover before operating the dishwasher.

2. RINSE AID

Rinse aids come in solid or liquid form. When using a solid rinse aid, fasten it to the back right corner of the lower rack. Purchase more rinse aid when the material dissolves and the container is empty.

A liquid rinse aid dispenser (select models) automatically releases a measured amount of rinse aid into the final rinse portion of each cycle.

To fill the dispenser, turn the cap counterclockwise to open. Pour the rinse aid into the reservoir. Replace the cap and be sure it is securely in place before closing the dishwasher door. **Check the dispenser monthly and refill as needed.**

3. DETERGENT

Use a detergent designed specifically for use in an automatic dishwasher. Other types (laundry, hand soap, etc.) will cause over sudsing. Be sure to use fresh detergent and store it in a cool, dry place (not under the sink).

The amount of detergent to use depends on the water hardness (measured in grains per gallon-gpg) and the amount of soil on the dishes. Generally detergent amounts should be increased for harder water and heavier soil.

A basic guideline is one teaspoon (tsp.) of detergent for each grain of water hardness. Use a minimum of three teaspoons in soft water.* When using a concentrated detergent decrease the amount by half.

If the water hardness is 15 grains or harder, it will be virtually impossible to get good results with any dishwasher. The only solution is a mechanical water softener to improve water quality and detergent effectiveness.

Detergent Usage Guide (powder or liquid)

CYCLES	SOFT WATER (0-3 grains)		MEDIUM WATER (4-7 grains)	HARD WATER (8-15 grains)
	Main Cup	Open Cup		
Super Scrub	3 tsp. minimum	3 tsp. minimum	4-5 tsp.	4-5 tsp.
Heavy				
Normal				
Short	3 tsp. minimum	None	3-4 tsp.	3-4 tsp.
Rinse & Hold	Use no detergent		Use no detergent	Use no detergent

* Your local water utility or state university extension service can tell you the degree of water hardness in your area.

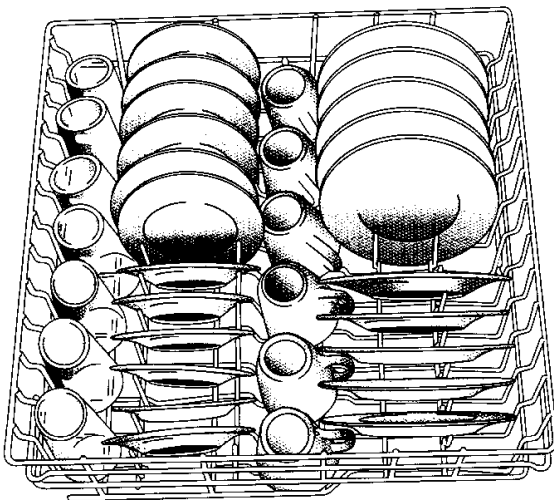
4.

LOADING TIPS

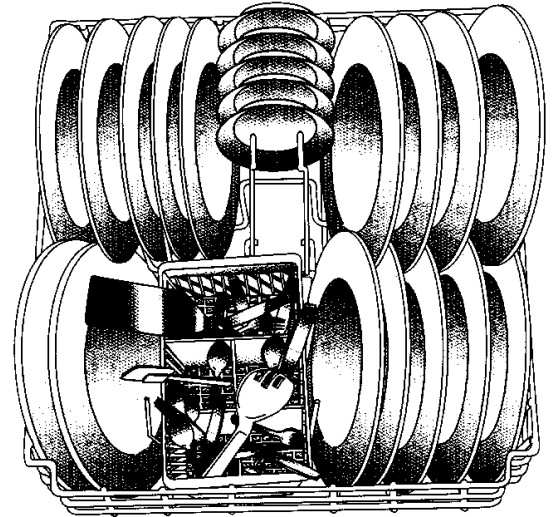
- Scrape off bones or large food particles. Remove excessive quantities of greasy/oily substances.
- Scrape or soak items with burnt on foods as they require more energy than the rest of the load to clean.
- If connected to a food waste disposer, make certain the disposer is empty before starting the dishwasher. This allows proper draining.
- Mustard, mayonnaise, vinegar, lemon and other acidic foods can cause rust or discoloration on stainless steel. Rinse these pieces as soon as possible.
- Starch from foods like potatoes, pasta, rice and oatmeal, require more energy to clean than the rest of the load.
- Place all items in the racks so they are separated and facing center.
- Wedge flat, lightweight items next to the silverware basket or along the sides and back of the racks.
- Load items so they do not rest over the wash tower.
- Avoid blocking the upper and lower spray arms by not allowing items to extend beyond the racks.
- Place glasses in any row of the racks for proper cleaning and rinsing. Do not load glasses over the tines.

Top Rack (Features vary slightly per model.)

This rack is designed to hold glasses, cups, small plates, bowls, cookware, etc. Bowls fit securely in the back right half of the top rack. Small plates or saucers should be loaded with soiled surfaces facing the center of the rack.



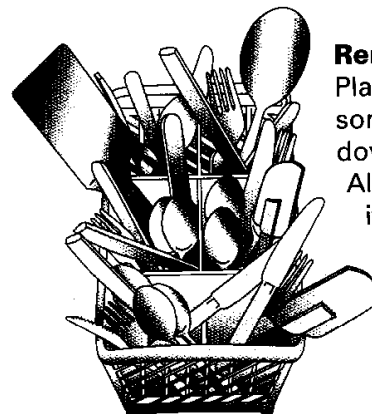
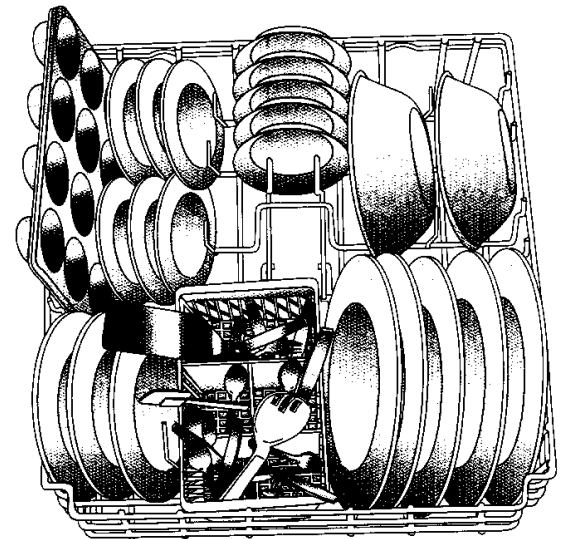
Bottom Rack (Features vary slightly per model.) Large items may be placed in any convenient location in this rack. Keep soiled surfaces facing the center.



The back of this rack accommodates a row of dinner plates or two rows of smaller plates. Serving bowls, pots and pans also fit across the back of the rack.

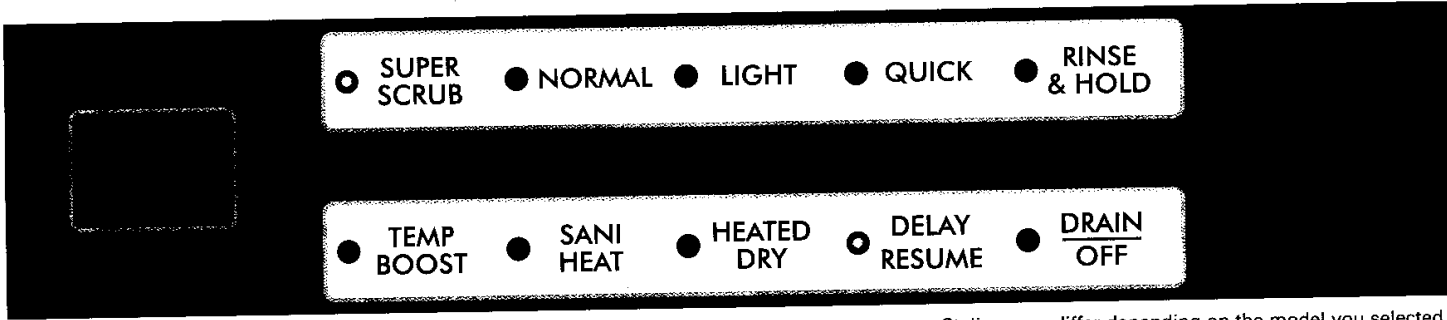
Small plates, saucers or shallow bowls may be loaded in the elevated area behind the wash tower.

Folding tines located on the right side, provide loading flexibility for large-shaped items.



Removable Utensil Basket

Place flatware in the basket with some handles up and some down to prevent nesting. Always load sharp or pointed items with handles up.



Styling may differ depending on the model you selected.

5. SELECT CYCLES/OPTIONS

Your dishwasher offers various cycles and options to adjust to specific load conditions. To start a cycle, simply press the desired cycle pad and close the door until it latches. **(Features may vary slightly depending on your model.)**

Cycle	Sequence	Water Use
Super Scrub Provides a longer cycle for heavily soiled or heavily soiled pots.	Pre Wash Main Wash 2 Rinses Dry	10.9 Gal.
Normal For normally soiled dishes.	Pre Wash Main Wash 2 Rinses Dry	9 Gal.
Light Ideal for lightly soiled dishes.	2 Rinses Main Wash Dry	7.5 Gal.
Quick For dishes you plan to store or reuse in the dryer. Lower drying temperature.	Wash 2 Rinses OFF	4.5 Gal.
Rinse and Hold Rinses dishes being held for a full load to reduce the potential food error in the dishwasher.	Rinse OFF	1.5 Gal.

DELAY/RESUME can delay or interrupt any wash cycle from 1 hour to 9 hours.

To set up a delay, first select the appropriate cycle and options for the load. Then, quickly press and hold the Delay/Resume pad until the desired amount of delay time appears in the display. The clock will count down and the cycle will automatically start as soon as the delay time expires.

If you wish to cancel the delay start simply press the Delay/Resume pad again. The indicator light will go out and the cycle will start immediately.

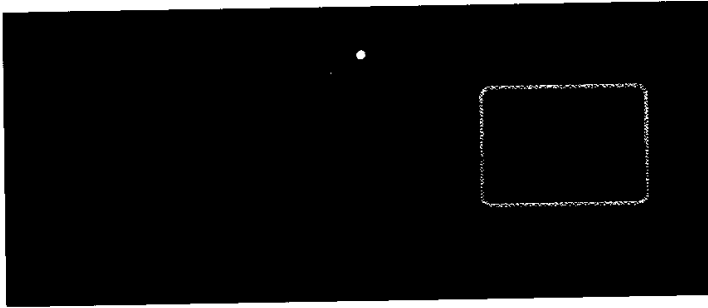
This pad can also be pressed to temporarily interrupt a cycle. The cycle will resume from the point of interruption when the delay time runs out or when the Delay/Resume pad is pressed again.

TEMP BOOST checks the main wash and final rinse water temperatures and will extend the heating and water circulation until proper water temperature is reached. Heating Delay will light in the window when selected. Press the pad again to cancel the option. See Hot Water Section on page 2.

SANI HEAT turns the heating element on during wash and rinse portions of the cycle. It checks the main wash and final rinse water temperatures and will extend the heating and water circulation until proper water temperature is reached. It also turns the heating element on for a longer portion of the dry cycle. The Sani Heat light will glow when the option is selected. Press the pad again to cancel the option. *(This option does not sanitize the dishes.)*

HEATED DRY improves drying results by turning the heating element on during fan dry. A small indicator light will glow when it is selected. Cancelling Heat Dry turns the heating element off during the fan dry portion of the cycle. Towel drying of some items may be necessary.

DRAIN/OFF Pressing the pad once will drain the dishwasher and then turn it off. Pressing the pad twice will turn it off without draining.



6. DISPLAY WINDOW

HEATING DELAY glows to indicate that the cycle is being extended to heat the water to proper temperature.

WASH light glows during all wash portions.

RINSE light glows during all rinse portions.

DRY light glows during the entire dry period and goes out when the cycle is completed.

CLEAN glows at the end of the dry cycle and remains lit until the door has been open for 30 seconds continuously.

7. ADDING A FORGOTTEN ITEM

Heating Options
(Located on buttons on the left side of the panel.)

FAN DRY HEAT improves drying results by turning the heating element on during a portion of fan dry.

FAN DRY AIR turns the heating element off during the fan dry portion of the cycle. Towel drying of some items may be necessary.

CARE AND CLEANING

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

The inside normally takes care of itself. Occasionally check the tub bottom for large food pieces which may have collected. Periodically clean the edge of the door liner and gasket if any food spills are noticed.

To remove any odor, try one of the following:

- Put baking soda in both cups. Select the normal cycle and let the water circulate for about 10 minutes. Unlatch the door and let it sit overnight. Then relatch the door and let the cycle finish.
- Select the Normal cycle and let the dishwasher fill with water. Then open the door and pour 1 cup of chlorine bleach into the bottom of the dishwasher. Latch the door and let it complete the cycle.
- Try a lemon scent detergent and/or rinse aid to help periodically freshen the dishwasher interior.
- Run the dishwasher more frequently. Use the Rinse & Hold cycle (if available) to remove any food soil that may cause an odor.

STORING

If your dishwasher will be in storage or an unheated area exposed to freezing temperatures:

- Clean the dishwasher as explained in the Care and Cleaning section.
- Operate the drain portion twice to ensure most of the water is removed. Most dishwashers begin each cycle with a drain.
- Disconnect the electrical supply and prop open the door.

WHAT CAN AND CANNOT BE WASHED

Remember. It is the user's responsibility to determine if the item should be washed in a dishwasher.

Material	Usually Safe	Exceptions (not safe)	Special Instructions
Aluminum	Yes	Some colored anodized aluminum can fade.	Washmarks or spots, remove by scouring with soap-filled Scotch wool pads.
Ceramic China/ware	Yes	Antique, metal-trimmed, hand-painted or overglaze pieces damage. Gold leaf will discolor.	If in doubt, check with the manufacturer. Or test by washing one piece daily for several weeks.
Enamelware Enameled Cast Iron Copper Inlaid Painted Porcelain	No		Do not wash in dishwasher. It may damage the color or stain the dishwasher.
Painted	No	Paints, enamels	
Stainless Steel	Yes		Rinse if not washing immediately. Some or acidic foods stain if left on.
Wood	No		
Wool	No	Woolen items, such as coats, hats, mittens.	

Q.

COMMON QUESTIONS AND ANSWERS

A.

<p>Dishwasher Won't Run?</p>	<ul style="list-style-type: none"> • Be sure door is latched securely. • Be sure the water is turned on. • Check that the dial/ring is properly selected for a cycle. • Allow time for select models to drain/pause before filling. • Check your home's main air breaker or fuse box.
<p>Unusual Noise?</p>	<ul style="list-style-type: none"> • A water valve hiss during fill is normal. • Water circulation sounds are normal. • A ticking noise is a normal timer sound. • A thumping sound may be a water arm spinning in a room that is extending beyond the rack. • Clanking or rattling sounds may be from dishes or items that are not placed correctly. Place hard items like pots and pans on the bottom rack and items like glasses and plastic on the top rack. • A snap noise is the detergent cup lid hitting the door lens when the dishwasher door is opened at the end of the cycle. This is normal. • Proper installation affects the noise level.
<p>Dishes Don't Dry?</p>	<ul style="list-style-type: none"> • Check the rinse aid dispenser to be sure it's properly installed. • Select the Drying Heat option. • Check recirculating water temperature. • Load properly. Dishes should not rest against each other. • Unload the bottom rack first. Water from the spray arm will be dripping and may not be able to return to the tub. • Check the bottom of the dishwasher for any items that may be blocking the water from returning to the tub. • Check the door seal for any items that may be blocking the door from closing properly.
<p>Unclean Dishes And Flatware?</p>	<ul style="list-style-type: none"> • Check recirculating water temperature. • Make sure water is being recirculated properly. • Check water level. Load is too full. • Check water temperature. The water should be at least 120°F. • Use fresh detergent. Always use a good quality detergent. • Select proper cycle for the soil level. • Load properly. They are not being hit by the spray arm. • Load the bottom rack with items that are not too tall. Items that are too tall may block the spray arm. • Do not load glassware and plastic.
<p>Detergent Left In Dispenser Cups?</p>	<ul style="list-style-type: none"> • Unload the top rack first. • Be sure the door is fully closed. • Use the correct amount of detergent.
<p>Stains Or Marks On Dishes Or Tub?</p>	<ul style="list-style-type: none"> • Minerals in the water can leave white or yellow deposits on dishes and the tub. • Leave 2-3 inch space between items. • Iron deposits in the water can leave a yellow, orange or orange-brown stain. A filter may be needed or provided in the future. Check your water. • Food soil stains normally require hot water. Always use more detergent to remove and prevent.
<p>Dishes Chipped?</p>	<ul style="list-style-type: none"> • Rough handling can cause chipping. Use the water care symbol on the front of the dishwasher to make sure the door is secure and don't force the door open. The door should be opened slowly. The door should be closed slowly. The door should be closed with the handle. The door should be closed with the handle.

Q. & A. CONTINUED

Spots And Film On Glasses And Flatware?

Spotting can be caused by all these things:

- Extremely hard water
- Low inlet water temperature.
- Overloading the dishwasher.
- Improper loading.
- Old or damp detergent.
- Rinse aid dispenser empty.
- Too little detergent.

Due to the varying local water conditions and personal preferences, try different brands of detergent to find one that gives the best results for you.

To remove the spots and film from glassware:

1. Remove all metal utensils from the dishwasher.
2. **DO NOT ADD DETERGENT.**
3. Select the **NORMAL WASH** cycle.
4. Start the dishwasher and allow to run for approximately 30 minutes. The dishwasher will now be in the main wash.
5. Then open the door and pour 1/2 cup (125ml) of white vinegar into the bottom of the dishwasher.
6. Close the door and allow the dishwasher to complete the cycle. Try using a vinegar rinse twice a month. Consider a home water softener.

Cloudy Glassware?

If vinegar doesn't remove the cloudiness, it is "etching." The film is permanent.

To Prevent:

1. Use less detergent if you have soft water.
2. Avoid manually pre-rinsing the dishes.
3. The temperature of water entering the dishwasher should be 120° F — 140° F.

Dishwasher Won't Drain?

- If hooked up to a food waste disposer, be sure the knock-out is removed from the disposer inlet.
- Be sure the drain hose is elevated at least 32" so water cannot siphon back into the tub.
- Check for food obstruction in the drain or disposer.
- Check drain hose for a kink.
- Check your home's circuit breaker or fuse box.
- Check that the cycle is completed.

Suds In The Tub?

Sudsing detergents are not meant for dishwashers. **USE ONLY AUTOMATIC DISHWASHER DETERGENTS TO AVOID SUDSING.**

To remove suds from the tub:

1. Open the dishwasher door and sprinkle 1 cup of salt on top of the suds to help evaporate them.
2. Close and latch the dishwasher.
3. Turn the dial until a drain is reached or select the drain pad.
4. Repeat if necessary.

Dishwasher Leaks?

- Check that the dishwasher is level. (Refer to the Installation Instructions.)
- Suds can cause the dishwasher to overflow. Measure the detergent carefully and use only detergents designed for use in a dishwasher. Less detergent is needed in soft water. Try another brand if sudsing continues.
- To avoid rinse aid leaking from the dispenser, be sure the lid is securely attached. Wipe up any accidental spills.

Odor?

- Dishwashers will have a "new" smell when installed. This will decrease with time.
- Soiled dishes held too long. Use the Rinse & Hold, if available.
- Dishwasher not draining properly.
- A chemical odor is usually due to chlorine bleach in dishwashing detergents. You may want to try another brand.

MAGIC CHEF DISHWASHER WARRANTY

FULL ONE-YEAR WARRANTY

Any part which fails in normal home use during the first year after the date of original retail purchase will be repaired or replaced free of charge.

LIMITED WARRANTY

In the event a water leak develops in the DURA™ Tub or door liner in normal home use during the TWENTY-YEAR period starting from the date of original retail purchase, repair or replacement of the tub and/or door liner will be made FREE OF CHARGE, with the owner paying for travel charges beyond the servicer's normal service area after the first year.

On electronic touch models only—any microprocessor and touch pad assemblies which fail in normal home use during the second through fifth year from the date of original retail purchase, will be repaired or replaced free of charge for the part itself with the owner paying all other costs, including labor.

The FULL and LIMITED Warranties apply when the appliance is located in the United States. Appliances located elsewhere are covered by the limited warranty only, including parts that fail during the first year.

The specific warranties expressed above are the ONLY warranties provided by the manufacturer. This warranty does not cover labor charges, and you may also be responsible for the cost of parts to date.

TO OBTAIN WARRANTY SERVICE

To locate an authorized service company in your area contact the Magic Chef dealer from whom your appliance was purchased; or call Maytag Customer Service. Should you not receive satisfactory warranty service, please contact:

Magic Chef Customer Assistance
c/o Maytag Customer Service
P.O. Box 2370
Cleveland, TN 37320-2370
1-800-688-1120

When contacting Maytag Customer Service be sure to provide the complete model and serial number of your appliance, the name and address of the dealer from whom you purchased the appliance and the date of purchase.

Should you still have a problem, write to Major Appliance Consumer Action Program, 20 North Wacker Drive, Chicago, Illinois 60606. MACAP is an industry sponsored but independent group of consumer experts who receive and act on complaints from appliance owners.

NOTE: When writing about an unsolved service problem, please include the following information:

- (a) Your name, address and telephone number;
- (b) Model number and serial number (found on the upper left corner of the tub opening) of your appliance;
- (c) Name and address of your dealer and the date the appliance was purchased;
- (d) A clear description of the problem you are having.
- (e) Water hardness, detergent brand and amount, water temperature, and cycle used.

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