

DISHWASHER GUIDE

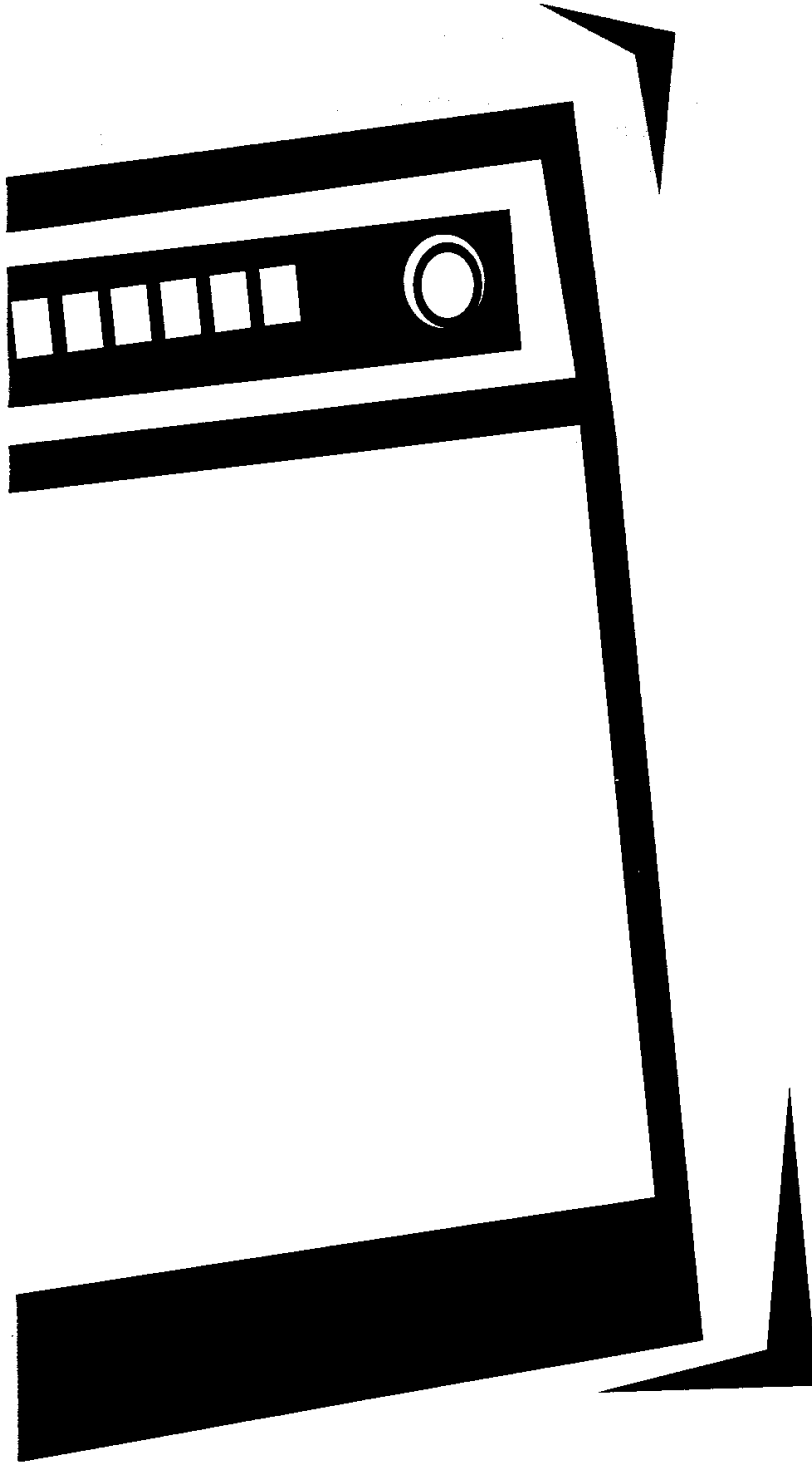


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FOR FUTURE ASSISTANCE

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.

▲ WARNING – When using your dishwasher, follow basic precautions, including the following:

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 the 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 recommendations.
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 (4-9 grains)		HARD WATER (10-12 grains)	
	Main Cup	Open Cup	Main Cup	Open Cup	Main Cup	Open Cup
Super Scrub	3 tsp. minimum	3 tsp. minimum	4-9 tsp.	4-9 tsp.	10-12 tsp.	10-12 tsp.
Heavy						
Normal						
Short	3 tsp. minimum	None	4-9 tsp.	None	10-12 tsp.	None
Rinse & Hold	Use no detergent		Use no detergent		Use no detergent	

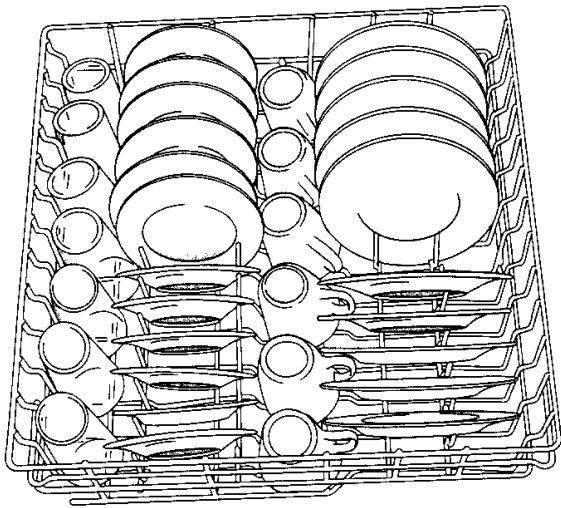
* Your local water utility or state university extension service can tell you the degree of water hardness in your area.

4.

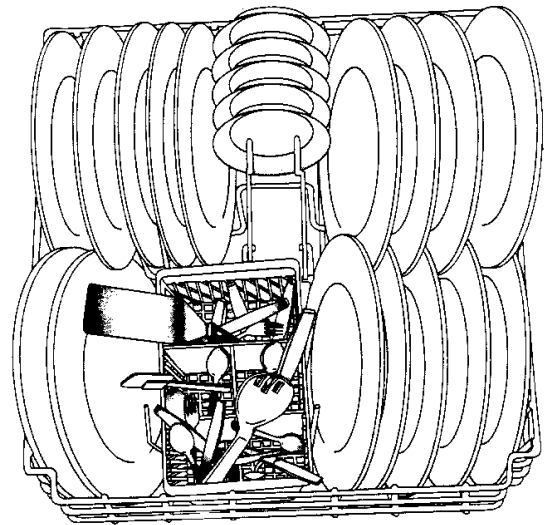
LOADING TIPS

- 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.

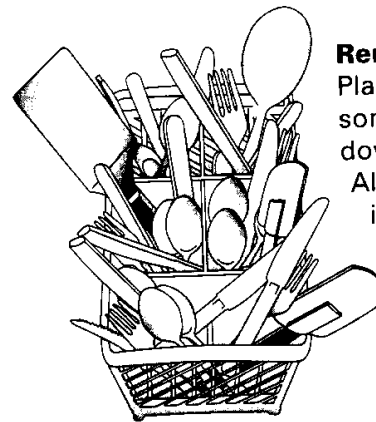
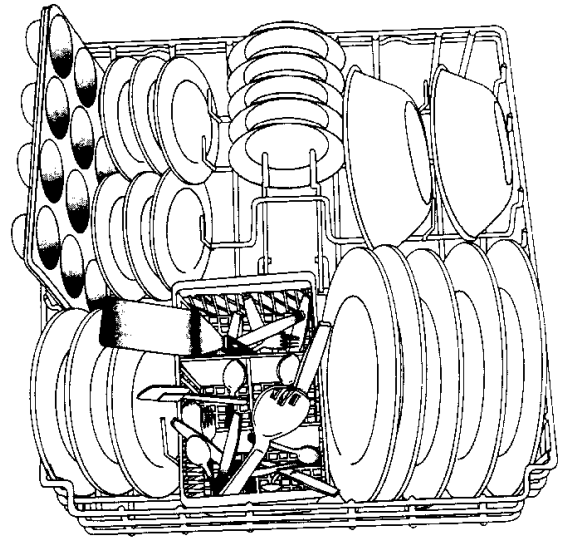
Top Rack (Features vary slightly per model.)
 This rack is designed to hold glasses, cups, small plates, bowls, cookware, etc. Bowls fit securely in the back right half of the top rack. Small plates or saucers should be loaded with soiled surfaces facing the center of the rack.



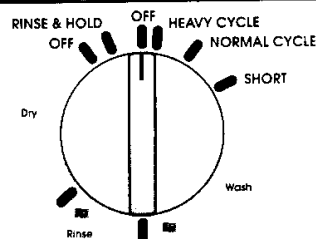
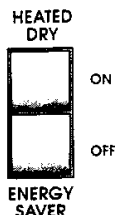
Bottom Rack (Features vary slightly per model.)
 Large items may be placed in any convenient location in this rack. Keep soiled surfaces facing the center.



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.



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. Please refer to the chart below for a description of each. **Select models feature cycles and options noted with a "*".**

Simply turn the cycle selector knob clockwise to the desired cycle and press the door until it latches. Each cycle will start with a 90 second drain before filling with water. This is normal.

Cycle	Sequence	Water Use
Heavy Cycle use for heavy soiled dishes pots & pans	Prewash 3 Rinses Main Wash 2 Rinses Dry	10.5 gallons
Normal Cycle for normally soiled dishes	PreWash 2 Rinses Main Wash 2 Rinses Dry	9.0 gallons
Short* for lightly soiled dishes	2 Rinses Wash 2 Rinses Dry	7.5 gallons
Rinse & Hold* rinses dishes waiting for a full load	Rinse Off	1.5 gallons

Heated Dry On* option turns the heating element on to improve drying results. **Heated Dry Off*** turns the element off to save energy. Towel drying may be needed with this option.

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 DISHWASHER

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.	If darkens or spots, remove by scouring with soap-filled steel wool pads.
Cast Iron	No	Iron will rust.	
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, by washing one piece daily for several weeks.
Crystal	Yes	Antique, metal-trimmed or painted patterns fade.	Load securely to prevent movement. Check with manufacturer.
Nondishware items— such as electronic air cleaner filters, furnace filters, paint brushes, etc.	No		Do not wash in dishwasher. It may damage, discolor or stain the dishwasher.
Glass	Yes	Milk Glass may yellow.	
Pewter	No	Pewter tarnishes.	
Plastics	Yes		If it doesn't say DISHWASHER SAFE, test one piece before dishwashing an entire set.
Stainless Steel	Yes		Rinse if not washing immediately. Salty or acidic foods 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.	Rinse if not washing immediately. Salty or acidic foods stain if left on. Check with the manufacturer.
Non-stick coatings	Yes		
Tin	No	Tin can rust.	
Wood	No	Wood can warp, crack or lose its finish.	

COMMON QUESTIONS AND ANSWERS

Dishwasher Won't Run?	<ul style="list-style-type: none"> • Be sure door is latched securely. • Be sure the water is turned on. • Check that the dial/pad is properly selected for a cycle. • Allow time for select models to drain/pause before filling. • Check your home's circuit breaker or fuse box.
Unusual Noise?	<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 wash arm bumping an item that is extending beyond the racks. • Chopping or grinding sounds may be heard during drain as the internal food disposer chops hard items like fruit seeds, nuts, etc. • Humming during drain is normal. • A snap noise is the detergent cup lid hitting the door liner when the dishwasher door is opened at the end of the cycle. This is normal. • Proper installation affects the noise level.
Dishes Don't Dry?	<ul style="list-style-type: none"> • Check the rinse aid dispenser to see if it needs refilling. • Select the Drying Heat option. • Check incoming water temperature. • Load properly. Dishes shouldn't nest together. Avoid overloading. • Unload the bottom rack first. Water from dishes in the top rack may be spilling into the bottom rack. • Plastic and teflon items have a porous surface and tend to hold water. Towel drying may be required. • Glasses, cups, etc., with concave bottoms will hold water.
Unclean Dishes And Flatware?	<ul style="list-style-type: none"> • Check incoming water temperature. • Run hot water at the sink before starting the dishwasher. • Select water heat (select models). • Check water hardness and adjust detergent amount accordingly. • Use fresh detergent stored in a cool dry place. • Select proper cycle for the soil level. • Load items so they do not block the wash arms or center tower. • Load the utensil basket with some handles up and some down to prevent nesting. • Do not place glasses over tines.
Detergent Left In Dispenser Cups?	<ul style="list-style-type: none"> • Check that the cycle is completed. • Be sure dispenser is not blocked. • Use fresh detergent stored in a cool, dry place.
Stains Or Marks On Dishes Or Tub?	<ul style="list-style-type: none"> • Aluminum utensils can leave marks when they rub against other things. Leave a slight space between items. • Iron deposits in the water can leave a yellow, brown or orange film on dishes. A filter may be needed or periodically use RoVer Rust Remover.* • Food soil stains normally require hotter water and more detergent to remove and prevent.
Dishes Chipped?	<ul style="list-style-type: none"> • Rough handling can cause chipping. Load with care. Make sure glassware and china are secure and can't jar loose. Do not load glasses over tines. Make sure tall glasses and stemware will clear the top of the tub when you push the rack into the dishwasher. • Refer to the previous chart on "What Can and Cannot Be Washed".

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 20 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?

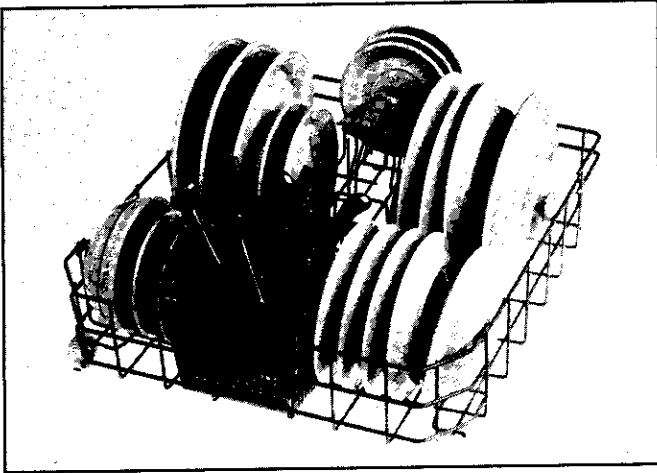
- Check that the dishwasher is level. (Refer to the Installation Instructions.)
- Suds can cause the dishwasher to overflow. Measure the detergent carefully and use only detergents designed for use in a dishwasher. Less detergent is needed in soft water. Try another brand if sudsing continues.
- To avoid 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.

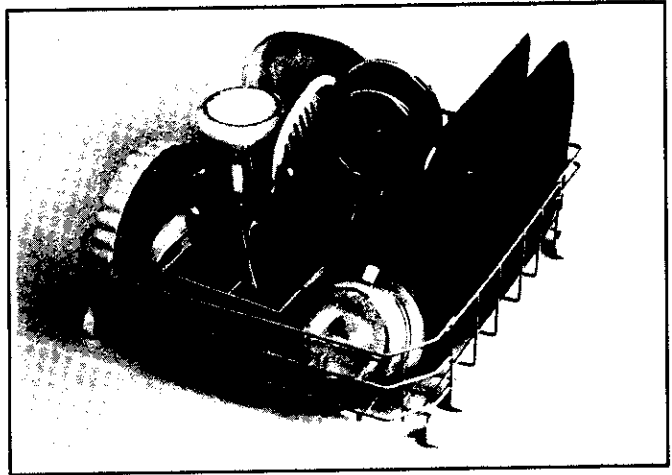
* Brand names are trademarks of the respective manufacturer.

How to load the BOTTOM RACK

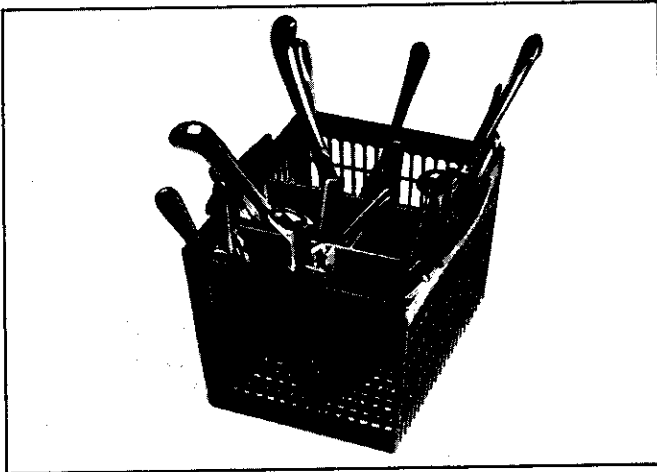


Plates

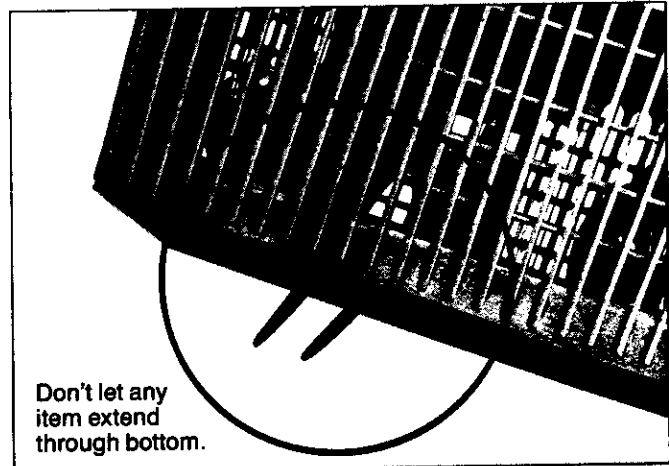
Fit plates and saucers between the pins. Place items so that water and detergent from wash arm can reach soiled surfaces.



Heavily soiled pots, pans and casseroles **MUST** be loaded in the bottom rack, facing down. Prop broiler pans and racks along the edge.



Put flatware in the removable basket with handles up to protect your hands. 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 are not recommended for automatic dishwashing. If placed in the dishwasher, they should go in the bottom of silverware basket with silverware on top.



Don't let any item extend through bottom.

Precaution!

Take out anything that may fall or extend through the bottom of the basket.

What you can usually wash safely in your dishwasher. And what you can't.

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. Check manufacturer's instructions for your crystal.
Non-dishware 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	Milk Glass may yellow.	
Iron	NO	Iron will rust.	
Pewter	NO	Pewter tarnishes.	
Plastics	YES		If it doesn't say DISHWASHER SAFE, test one piece before dishwashing an entire set.
Stainless steel	YES		Rinse if not washing immediately. Salty or acid 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 acid 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 washing.	

Forget a dish? Here's when you can add it.

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 because the temperature inside the dishwasher is lowered. So try to load everything at the beginning.

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.
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.

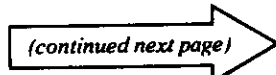
Save Time and Money--

Before you call for service, check the Problem Solver.

If you have a problem, it may be minor. You may be able to correct it yourself. Just use this Problem Solver to locate your problem and then follow the suggested recommendations.

The Problem Solver

PROBLEM	POSSIBLE CAUSE AND REMEDY
DISHWASHER WON'T RUN	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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.
DISHES DON'T DRY	<ul style="list-style-type: none"> • Make sure inlet water temperature is correct. (See page 6.) • Unload the bottom rack first. Water from dishes in the top rack may be spilling into the bottom rack. • Check for improper loading. Dishes shouldn't nest together. Avoid overloading. • Check the rinse agent dispenser to see that it's not empty.
UNCLEAN DISHES AND FLATWARE	<ul style="list-style-type: none"> • Check inlet water temperature. It should be at least 120°F. (To test, see page 6.) • 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. • Plugged air gap. (See page 14.) • Improper rack loading. (See pages 8 and 9.)
BLACK OR GRAY MARKS ON DISHES	<ul style="list-style-type: none"> • Aluminum deposits often leave marks when they rub against other things. Remove marks with a mild abrasive cleanser.
DETERGENT LEFT IN DISPENSER CUPS	<ul style="list-style-type: none"> • Water may not be reaching the detergent cups. Move dishes that may be blocking the detergent cup. • The dispenser cover may not be opening or may be blocked by improperly loaded items. If you used a powder detergent, open the cup and remove any caked-on detergent. If the cup still doesn't open automatically, call for service. • Detergent may be old. If the powder detergent is hard or caked in the box, throw it away. • The detergent may not be working well. Try another brand.

(continued next page) 

The Problem Solver (continued)

PROBLEM	POSSIBLE CAUSE AND REMEDY
<p>DETERGENT CUP LID WON'T LATCH AFTER ADDING DETERGENT</p>	<p>Cycle Indicator must be in OFF position for cup lid to close and latch properly. If you unlatch the door and open it to dry your dishes, the Cycle Indicator does not advance to OFF by itself.</p>
<p>SPOTS AND FILMING ON GLASSES AND FLATWARE</p>	<p>Spotting can be caused by all these things:</p> <ul style="list-style-type: none"> • Extremely hard water. (See page 6.) • Low inlet water temperature. (To test, see page 6.) • Overloading the dishwasher. • Improper loading. (See pages 8 and 9.) • Old or damp powder detergent. • Phosphate level in detergent too low. (See page 6.) • Rinse agent dispenser empty. (See page 6.) • Too little detergent. (See page 7.) <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 NORMAL WASH cycle. 4. Start the dishwasher and allow to run for 15 to 20 minutes. The dishwasher will now be in the main wash. 5. Then open the door and pour 2 cups (500 ml) 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 (60 ml) of citric acid crystals instead of vinegar. (Most drugstores carry citric acid crystals.)</p> <p>Using a vinegar or citric acid crystal rinse more than twice a month? Consider a home water softener.</p>
<p>CLOUDINESS ON GLASSWARE</p>	<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>
<p>YELLOW OR BROWN FILM</p>	<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>

PROBLEM	POSSIBLE CAUSE AND REMEDY
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 page 8 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.</p> <p>Always use the top rack for delicate items.</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 page 14.)</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>
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. Pump out water by slowly turning the control dial until a drain period is reached.</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>

Care and cleaning

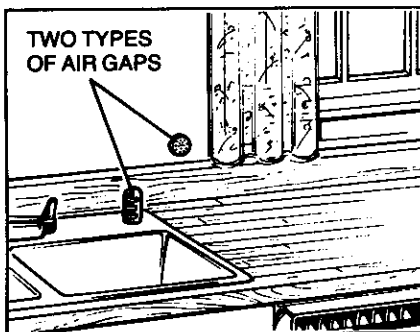
Clean the control panel with a lightly dampened cloth. Dry thoroughly. Do not use abrasives or sharp objects on the panel. They can damage it.

Clean the outside with a good appliance polish wax. The outside cabinet finish is durable, but it can scratch. So use no scouring pads, or harsh or gritty cleaners.

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.

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.



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.**

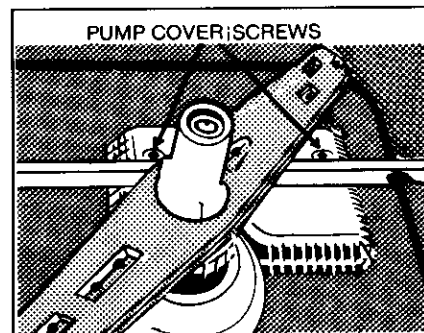
The air gap is easy to clean. With most types, first turn off the dishwasher, then lift off the chrome cover. Then unscrew the plastic cap and check for any build-up of grit. A toothpick makes cleaning easy.

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

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 electric 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.
- Remove the plastic pump cover in the tub bottom and use a sponge to soak up water in the rubber boot.



How to change color panels

If you are redecorating, you can change your dishwasher's front panels to match or blend with your new colors.

Two panels are held in place by the door trim and the trim on the panel below the door. Each side of each panel is a different color. Or you can paint a panel with the color of your own choice.

How to change door panel inserts:

1. Take out three trim screws on either side of the dishwasher door. Remove the side trim.
2. Slide out both insert panels at once.
3. Put the panel with the color you want in front. (Handle panels carefully. Edges may be sharp.)
4. Replace side trim and screws.

How to change lower panel inserts:

1. Remove four panel attachment screws. (Two above panel, two below.)
2. Remove entire panel.
3. Take out three screws and remove top trim.
4. Slide out both insert panels at once.
5. Replace panels with the color you want in front.
6. Replace top trim and screws.
7. Replace entire panel and four attachment screws.

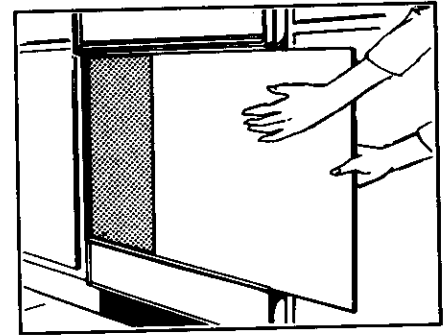
Color insert panels for both door and panel can be replaced by 1/4" thick wood inserts to match your kitchen cabinets. Get them from your nearest cabinet or lumber dealer.

Dimensions for 1/4" wood inserts:

Door Panel: 19 1/8" H x 23 1/16" W.

Lower Panel: 3 1/16" H x 23 1/16" W.

Note: Do not operate dishwasher while changing panels or when lower access panel is removed.



Change color in minutes. Just remove trim and change.

If you need service

Master Care has a nationwide network of service people. For the nearest service outlet, contact the dealer or consult the telephone directory Yellow Pages under Dishwashing Machines.

For additional information about your dishwasher, write to us. Be sure to include the model and serial numbers shown on the serial plate located just inside the door.

If you are dissatisfied with the service you received, here are three steps you should follow:

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 dissatisfied, write all the details—including your phone number—to:

Master Care
Maycor Service Department
240 Edwards Street
Cleveland, TN 37311

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

Major Appliance
Consumer Action Panel
20 North Wacker Drive
Chicago, Illinois 60606

This panel, known as MACAP, is a group of independent consumer experts under the sponsorship of several industry associations. Its purpose is to study practices and advise the industry of ways to improve customer service. Because MACAP is free of industry control and influence, it is able to make impartial recommendations and consider each case individually.

MASTER CARE

FULL ONE-YEAR DISHWASHER WARRANTY

Master Care, Inc. will repair or replace, without charge, any part of your product which has a defect in material or workmanship during the first year after the date of the original installation. This warranty extends to any owner during the one-year warranty period as long as the product is located in the contiguous 48 states or District of Columbia.

LIMITED TEN-YEAR WARRANTY

For ten years from date of original purchase, we will provide, free of charge, parts and service labor to repair or replace the DURA™ 10 tub or door liner if it fails to contain water because of a manufacturing defect such as cracking, peeling or rusting.

You are responsible for the serviceman's travel charges beyond the normal service area, local cartage, and normal maintenance, and for avoiding damage from cooking fats and acids, or cleaning compounds.

WHAT IS NOT COVERED BY THIS WARRANTY

1. Conditions and damage resulting from improper installation, delivery, unauthorized repair, modification, or damage not attributable to a defect in material or workmanship.

2. Conditions resulting from damage, such as: (a) improper maintenance, (b) misuse, abuse, accident, alteration, or (c) incorrect electrical current or voltage.

3. Warranty is void if the original serial number has been removed, altered or cannot be readily determined.

4. Any product used for other than normal household use. It does not extend to products purchased for commercial or industrial use.

5. Any expense incurred for service calls to correct installation errors or to instruct you on how to use the product.

6. CONSEQUENTIAL OR INCIDENTAL DAMAGES SUSTAINED BY ANY PERSON AS A RESULT OF ANY BREAK OF THIS WARRANTY OR ANY IMPLIED WARRANTY. Some states do not allow the exclusion or limitation of consequential or incidental damages, so the above exclusion may not apply to you.

HOW TO OBTAIN SERVICE

Before requesting service, be sure you have read this Care and Use Manual. To obtain the repair or replacement of a defective part under this warranty, you should contact the dealer or builder from whom you purchased the appliance or a service agent he designates.

ADDITIONAL HELP

If you are not satisfied with the local response to your service requirements and wish to contact Master Care, Inc., please address your letter to Maycor Parts & Service Co., P.O. Box 2370, Cleveland, Tennessee 37311 or call 615-472-3333. Customers in California may contact Customer Relations Department, 247 N. Vineland Avenue, City of Industry, California 91746. To save time, your letter should include the complete model and serial number of the warranted appliance, the name and address of the dealer from whom you purchased the appliance, the date of purchase, and details concerning your problem.

This warranty is the only written or expressed warranty given by Master Care, Inc. No one is authorized to increase, alter, or enlarge Master Care's responsibility or obligations under this warranty. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Consult the Yellow Pages of your telephone directory for the service source nearest you.

Part No. 165D3080P089

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3. Warranty is void if the original serial number has been removed, altered or cannot be readily determined.
4. Any product used for other than normal household use. It does not extend to products purchased for commercial or industrial use.
5. Any expense incurred for service calls to correct installation errors or to instruct you on how to use the product.
6. CONSEQUENTIAL OR INCIDENTAL DAMAGES SUSTAINED BY ANY PERSON AS A RESULT OF ANY BREAK OF THIS WARRANTY OR ANY IMPLIED WARRANTY. Some states do not allow the exclusion or limitation of consequential or incidental damages, so the above exclusion may not apply to you.

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