

**MODELS KDA20, KDD20 & KDD60A**

# **KitchenAid®**

## **DISHWASHERS**

### ***Use & Care Guide***

*To get full value from this appliance please read*



# KitchenAid® Triple Protection WARRANTY

## One Year Full Warranty on Complete Dishwasher

Hobart Corporation warrants this KitchenAid Dishwasher to the original or subsequent owners, when operated within the United States in normal home use, against defective material and workmanship for one year from date of original installation of built-in models or one year from date of original purchase of convertible portable models. Hobart will, through one of its distributors or one of their authorized KitchenAid servicing outlets, repair or replace, free of charge, including service and labor, all parts found to be defective and subject to such warranty.

## FIVE YEAR LIMITED WARRANTY ON HOBART GOLD SEAL ONE-HALF HORSEPOWER MOTOR

In addition to the one year full warranty on the complete dishwasher, if the one-half horsepower motor fails as the result of normal home use during the following four years, Hobart will, through one of its distributors or one of their authorized KitchenAid servicing outlets, replace the motor. Labor charges for the motor replacement will be the responsibility of the owner.

## TEN YEAR LIMITED WARRANTY ON TRIDURA® PORCELAIN-ON-STEEL TANK AND INNER DOOR

In addition to the one year full warranty on the complete dishwasher, if the TriDura® porcelain-on-steel tank or inner door develops a water leak as the result of normal home use during the following nine years, Hobart will, through one of its distributors or one of their authorized KitchenAid servicing outlets, replace the tank or inner door. Labor charges for the tank/inner door replacement will be the responsibility of the owner.

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## WHO TO CALL FOR SERVICE

- 1 Call your dealer or repair service he recommends.
- 2 If for some reason he is not available, or if you now reside in an area other than where the unit was purchased, look in the Yellow Pages of your phone book under "Dishwashing Machines" for authorized KitchenAid servicing outlets.
- 3 If you are unable to obtain satisfactory service in this manner, contact the KitchenAid wholesale distributor. He is listed in the Yellow Pages of all metro area phone books under "Dishwashing Machines." A complete distributor listing is also printed in the Use and Care Guide furnished with the product.
- 4 All service should be handled locally by the dealer from whom you purchased the unit or an authorized KitchenAid servicing outlet or wholesale distributor. If your local service is not satisfactory, contact the Customer Relations Department, KitchenAid Division, Hobart Corporation, Troy, Ohio 45374. Phone (513) 335-7171.

## WHAT IS NOT COVERED

The above warranties do not apply to damage resulting from accident, alteration, misuse, abuse, improper installation, or installation not in accordance with local electrical and plumbing codes. Hobart does not assume any responsibility 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.

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This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

KitchenAid Division |

St. Joseph, MI 49085

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# IMPORTANT SAFETY INSTRUCTIONS

**WARNING**—When using your dishwasher, follow basic precautions, including the following:

1. Read all instructions before using the dishwasher.
2. This dishwasher must be properly grounded. For undercounter units, see Installation Instructions for details. For convertible portable units, see Use and Care Guide and Conversion Instruction Booklet for details.
3. Use the dishwasher only for its intended function.
4. Use only detergents or wetting agents recommended for use in a dishwasher, and keep them out of the reach of children.
5. 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 handle up to reduce a risk of cut-type injuries.
6. Do not wash plastic items unless marked “dishwasher safe” or the equivalent. For plastic items not so marked, check the manufacturer’s recommendations.
7. Do not touch the heating element during or immediately after use.
8. Do not operate your dishwasher unless all enclosure panels are properly in place.
9. Do not tamper with controls.
10. Do not abuse, sit on, or stand on the door or dish rack of the dishwasher.
11. To reduce the risk of injury, do not allow children to play in or on a dishwasher.
12. 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.
13. Remove the door to the washing compartment when removing an old dishwasher from service or discarding it.

# SAVE THESE INSTRUCTIONS

# SAFETY INFORMATION

- KITCHENAID DISHWASHERS OPERATE ON 115 VOLT, 60 HERTZ A.C. house current. They cannot be converted to operate on 220 volt, 50 hertz house current.
- FOR SAFETY'S SAKE... remove the door hinges or latch mechanism if your dishwasher is discarded, or otherwise not in use. In California, it is a misdemeanor for anyone discarding the appliance not to follow this safety procedure which can save the lives of curious children at play.
- CAUTION: To protect against possible rupture of fill valve, BE SURE water lines leading to the dishwasher and water lines in the dishwasher are protected against freezing. Such ruptures are *not* covered by the warranty.

## SHOULD YOU EVER NEED SERVICE

**IN ALL CORRESPONDENCE, PLEASE GIVE THE FOLLOWING INFORMATION: DATE, YOUR NAME, ADDRESS AND TELEPHONE NUMBER, KIND OF APPLIANCE, BRAND, MODEL NUMBER, SERIAL NUMBER, DATE PURCHASED, DEALER FROM WHICH PURCHASED (INCLUDE ADDRESS), SERVICING AGENT'S NAME AND ADDRESS IF DIFFERENT FROM DEALER'S, LOCATION OF APPLIANCE, AND CLEARLY DESCRIBE PROBLEM AND SERVICE REQUIRED.**

### STEP 1...

If your dishwasher should fail to operate, check the following list before calling your dealer and *save the cost of a service call.*

- a. Is fuse blown or circuit breaker open? On portable models, is cord plugged into a grounded outlet?*
- b. Is the door closed, latched, and cycle selected?*
- c. Is the overflow protection float in place? See page 13.*
- d. Is the water supply to the dishwasher turned on?*
- e. Have you read your Use and Care Guide for complete instructions?*

*If your dishwasher is not washing properly, please see Problem, Cause, Solution Chart, pages 18 thru 22.*

### STEP 2...

If the above suggestions do not solve the problem see "WHO TO CALL FOR SERVICE" listed in Warranty Statement, page 2.

### STEP 3...

If you are not satisfied with the action taken, contact MACAP — the Major Appliance Consumer Action Panel. This is a group of independent consumer experts, voicing consumer views at the highest levels of the major appliance industry. Please contact them only when the dealer, authorized servicing outlet, wholesale distributor and Hobart Corporation have failed to resolve your problem.

**ADDRESS:** Major Appliance Consumer Action Panel, 20 North Wacker Drive, Chicago, Illinois 60606. MACAP will in turn inform us of your action.

# IMPORTANT INFORMATION

Please fill out your ownership registration card and mail. Return of this card will enable us to contact you in the unlikely event of a product safety notification. This will assist us in complying with the provisions of the Consumer

**Product Safety Act. THIS CARD DOES NOT VERIFY YOUR WARRANTY.**

*Keep a copy of the bill of sale showing date of purchase and/or date of installation of your dishwasher. This will provide you with proof-of-purchase for in-warranty service.*

Please complete the following for your personal records. You will need this information should service ever be necessary on your dishwasher.

MODEL NUMBER\* \_\_\_\_\_ DEALER'S NAME \_\_\_\_\_

SERIAL NUMBER\* \_\_\_\_\_ ADDRESS \_\_\_\_\_

DATE PURCHASED \_\_\_\_\_ PHONE \_\_\_\_\_

DATE INSTALLED \_\_\_\_\_

\*MODEL AND SERIAL NUMBERS are located on a label at the left side of door opening.

## OPERATING YOUR DISHWASHER

### DELUXE MODELS KDD-20, KDD-60A AND MODEL KDA-20

#### Step 1

Load dishes into racks according to instructions on pages 6 through 9. DO NOT OPERATE DISHWASHER WITHOUT THE RACKS IN PLACE.

#### Step 2

Add detergent to detergent dispenser—pages 9-10.

#### Step 3

Close door, do not latch.

#### Step 4

Advance Cycle Selection Dial to desired cycle. See pages 11-12 for description of cycles. For models KDD-20 and KDD-60A, use Energy Saver Button for *heated dry* or *no heat dry*. Firmly latch the door. The rest is automatic. The dishwasher will rinse, wash and dry according to the cycle selected and then turn itself off. The dial will advance to OFF when the cycle is completed.

# LOADING YOUR DISHWASHER

## PREPARING THE LOAD

No hand rinsing is necessary. Scrape left-over food, bones, toothpicks and other hard items from dishes, silverware, pans, etc. *Note:* Do not prewash dishes with liquid detergent as this type detergent will cause sudsing in the dishwasher. Such sudsing will slow wash arm and cause poor cleaning and/or spotting and filming on the dishes.

Certain dried-on foods are more difficult to remove if left to dry over a period of time. If dishes are not going to be washed fairly soon after use, run a Rinse & Hold Cycle. This cycle rinses most of the soil from dishes and generally keeps them moist until the next wash cycle is run.

## SPECIAL ITEM LOADING

**Fragile or Lightweight Items** — Load Stemware, Glasses and Lightweight items by securing in a stable manner. The upper rack provides the most stability for such items.

**China or Crystal** — A few types of crystal and china may be damaged by the combined action of high water temperatures, detergents, and wash action in a dishwasher. Check china or crystal manufacturer's recommendations because manufacturing processes do vary.

Most Decorated Fine China manufactured today is color safe in automatic dishwashers. Decorations under the glaze, thus protected by an overglaze, are usually safe from fading. Decorations applied over the glaze and then fired into it, are often dishwasher safe. Older patterns made in this manner may be subject to color fading. When in doubt as to whether your china is dishwasher safe, first check with the china manufacturer. If the manufacturer cannot be contacted, a small piece of china may be test-washed for several weeks to determine if the pattern will fade. *It is the user's responsibility to determine if delicate crystal and china should be dishwasher washed.*

**Plastics** — Dishes molded from melamine compounds (such as Melmac) may be safely dishwasher washed. Other plastic utensils vary in their ability to withstand high water temperature and detergents used in an automatic dishwasher. *Check manufacturer's recommendations.*

## DO NOT DISHWASHER WASH

While the majority of tableware and cookware may be safely dishwasher washed, there are some materials and types of construction which are not compatible with dishwasher washing. The following items should NOT be dishwasher washed unless labeled dishwasher safe by the manufacturer.

**Anodized Aluminum** — high temperature and detergent ingredients may affect the finish.

**Antique or Hand Painted China** — may fade if no protective overglaze.

**Cast Iron** — High water temperature and detergent ingredients will remove the seasoning finish and cause rusting.

**Dirilyte** — gold colored flatware that is not dishwasher safe.

**Hollow-handle Knives** — handles of some knives are attached to the blades by adhesives that may loosen during dishwasher washing.

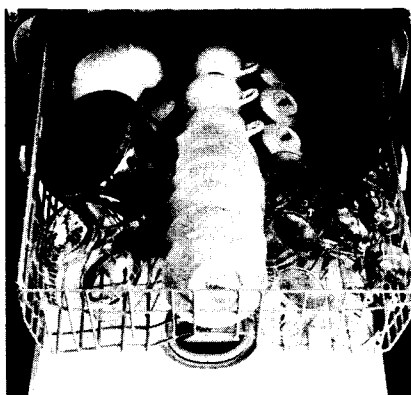
**Inexpensive Plastic** — check manufacturer's recommendations.

**Milk Glass** — due to the type of material, will turn yellow with dishwasher washing.

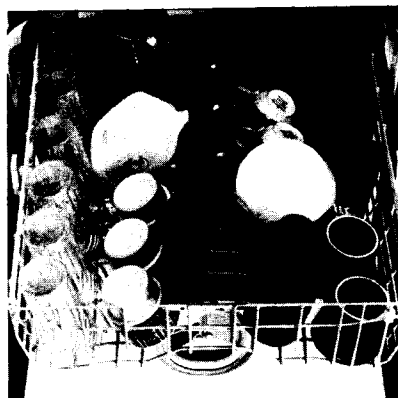
**Pewter** — high temperature and detergent ingredients may affect the finish.

**Wooden Ware** — wood will warp and lose its finish in dishwasher washing. Specially treated wood will be marked dishwasher safe by the manufacturer.

## LOADING EXAMPLES    UPPER RACK ALL MODELS



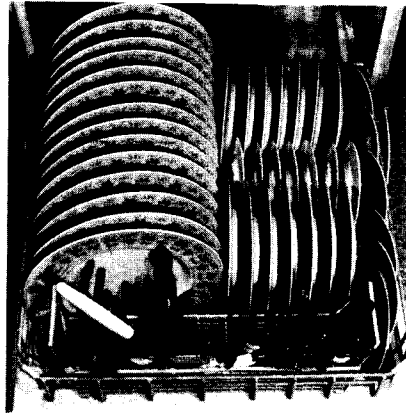
**Upper Rack** — Glasses, cups, bowls, and pans may be loaded together. Stability is important when loading such items. To achieve stability load glasses and cups between pins and over pins.



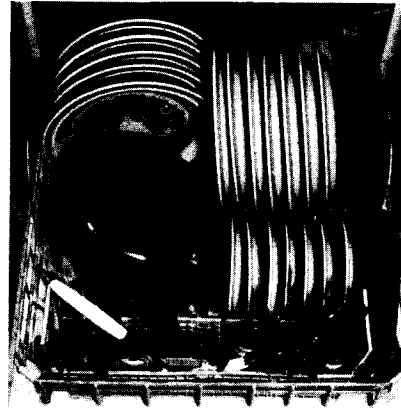
Bowls and cups may be loaded in the center row either front to back or back to front as shown.



# LOADING EXAMPLES LOWER RACK ALL MODELS



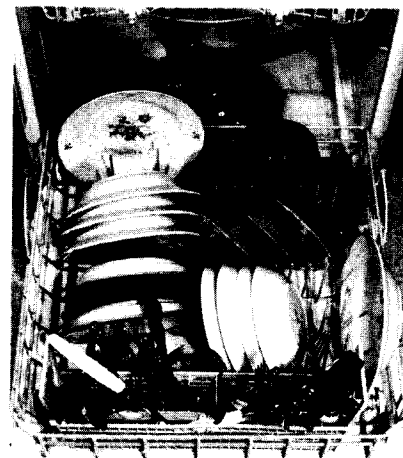
Maximum capacity of an all-plate load is obtained by overlapping small plates on right side as shown.



Plates may be loaded front to back or side to side as shown.



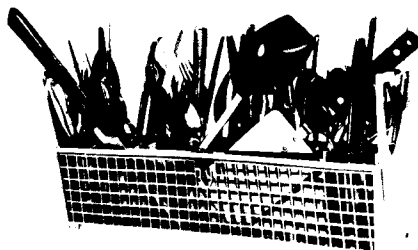
Plates may be loaded with pots, pans, and large cookware.



Cereal bowls may be loaded in a variety of different ways depending on the shape of the bowls.



## SILVERWARE BASKET

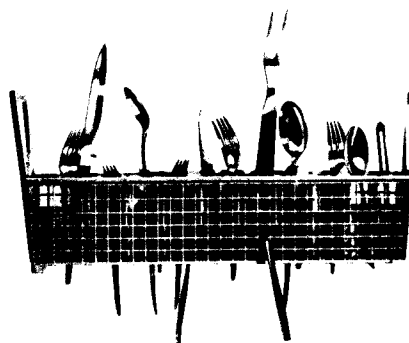


### CORRECT LOADING

The silverware/cutlery basket is located at the front of the lower rack and may be removed for loading and unloading.

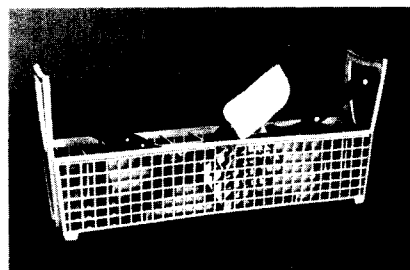
Silverware may be loaded with handles up, down or mixed. Greater washing efficiency will be obtained and nesting prevented by loading handles in the down or mixed positions. Sharp utensils should be loaded with handles up to prevent possible user injury. Slim handle silverware should always be loaded with handles up to prevent protruding through the basket. This could cause possible damage to the silverware or dishwasher.

Do not leave food containing salt, vinegar, milk products or fruit juices on silver or stainless steel silverware for long periods of time. Certain food soils can damage the surface of the ware. See Problem, Cause, Solution Chart, page 18-22.



### INCORRECT LOADING

Sterling silver and silverplated silverware may be dishwasher washed. It is a good idea to occasionally buff with a cloth as air drying does not provide the buffing of hand towel drying. Dishwasher detergents will remove the black oxidized coating found on some ornate silverware patterns.



The cutlery section, located in the front of the basket, is to be used for long handled utensils and long knives.

## FILLING DETERGENT DISPENSER

Use an Automatic Dishwasher Detergent like All, Cascade, Electrasol or Finish. NEVER USE SOAP, HAND DISHWASHING DETERGENTS, LAUNDRY DETERGENTS OR LAUNDRY ENZYME PRODUCTS as they will cause excessive sudsing which slows down the wash arm

action and could cause flooding.

Always add detergent to dispenser just before running the dishwasher. Detergent exposed to moisture over a period of time may become caked and ineffective. An open box of detergent will stay fresh for about one month.

## AMOUNT OF DETERGENT TO USE

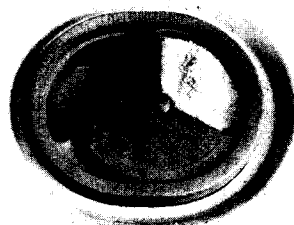
ALWAYS use at least one tablespoon of automatic dishwashing detergent in MAIN WASH compartment because there are ingredients in detergent to help protect your dinnerware. The amount of detergent needed depends on the amount of food soil on dishes and hardness of water. Heavy soil and/or hard water will generally require the addition of more detergent. See chart below for recommended amount of detergent to add to each compartment.

Water Hardness*	Amount of Detergent
Soft water (0-4 gpg)	Each Compartment $\frac{1}{2}$ full (approximately 2 Tbsp./compartment)
Med. Hard Water (4-8 gpg)	Each Compartment $\frac{3}{4}$ full (approximately 2 $\frac{1}{2}$ Tbsp./compartment)
Hard Water (8-12 gpg)	Both Compartments full (approximately 3 Tbsp./compartment)

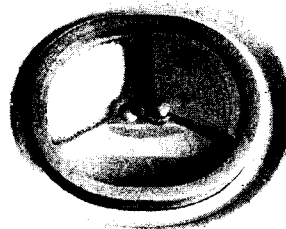
*\*To determine water hardness contact your local water utility or area water softening company. In rural areas your state university extension service can tell you how to test your water.*

### FILLING THE DISPENSER

**NOTE:** Should compartment be covered when you are ready to fill the Dispenser, the compartment may be uncovered by rotating cover to open position.



**SINGLE FILL** is occasionally used for Low Energy Wash Cycle in which the dinnerware is lightly soiled. Check with chart to determine how much detergent to use. Add detergent to right-hand MAIN WASH compartment of the Dispenser. Close cover by rotating it in a counterclockwise direction.



**DOUBLE FILL** is used for Low Energy Wash, Heavy Wash and Sani Cycles. Check with chart to determine how much detergent to use. Place detergent in MAIN WASH compartment as explained for a Single Fill and also add detergent to left-hand, PRE-WASH compartment. Close cover by rotating it in a clockwise direction.

### LOW PHOSPHATE DETERGENTS

In some areas of the country, legislation requires low-phosphate dishwasher detergents. In these detergents, phosphorus content has been reduced from a normal 12 to 13% to approximately 8.7% or lower. (The percentage is printed on the box.)

With these detergents, you may find it necessary to increase the amount of detergent used. In soft water, reduced phosphate detergents should give good cleaning results. However, in hard water low-phosphate detergents will probably cause an increase in spotting and filming, even when you used additional detergent. Please see page 18-22 for removing spots and film from glasses and dinnerware.

### RINSE AGENT DISPENSERS

A rinse agent dispenser is an optional feature which you can install yourself. (For installation, order kit KRA-9 from your local KitchenAid dealer or distributor.)

The dispenser holds 7 ounces of rinse agent, such as Jet Dry, which can be purchased at your local supermarket. This will last for several months.

TO FILL the automatic rinse agent dispenser, unscrew the cap located to the left of the detergent dispenser. Replace cap after filling reservoir. Do not over tighten cap.

**WARNING: DISHWASHER DETERGENTS AND RINSE AGENTS CAN BE HARMFUL IF TAKEN INTERNALLY. FOR SAFETY'S SAKE, STORE DETERGENT AND RINSE AGENT ON AN UPPER SHELF OUT OF CHILDREN'S REACH.**

# MODEL KDD-20, KDD-60A



## RINSE & HOLD CYCLE

Used to rinse partial loads of dishes which are to be held until the dishwasher is full. This cycle generally keeps dishes moist until a complete wash and dry cycle can be run.

**OPERATION:** This cycle provides one rinse.

**DETERGENT:** Do not use detergent.

**TIME:** 6½ minutes

**WATER:** 2 gallons (7.6 liters)

## HEAVY WASH CYCLE

Used to wash and dry daily loads including china and crystal with heavier than normal amounts of food soil.

**OPERATION:** This cycle provides two wash periods with before and after rinse periods, followed by a dry period.

**DETERGENT:** Add to both compartments of detergent dispenser. See page 10

**TIME:** 53 minutes

**WATER:** 12.5 gallons (47.3 liters)

## LOW ENERGY WASH CYCLE

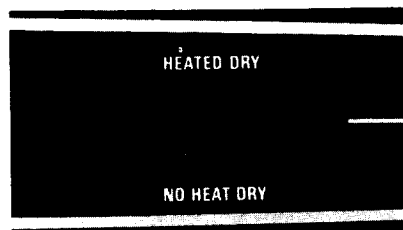
Used to wash and dry daily loads including china and crystal with normal to light amounts of food soil.

**OPERATION:** This cycle has two wash periods with after rinse periods followed by a dry period.

**DETERGENT:** Add to both compartments of detergent dispenser. Lightly soiled loads may only require detergent in the right side of the dispenser. See pages 9-10 for details.

**TIME:** 47.5 minutes

**WATER:** 9 gallons (34.1 liters)



## ENERGY SAVER SWITCH NO HEAT DRY

Selecting the No Heat Dry option along with any of the wash cycles, will shut off the external air heater used during the dry portion of the cycle. The fan in the drying system will continue to operate. This will reduce the amount of energy used during the cycle.

Under certain conditions, you may find a few drops of water on dishes and silverware at the end of the cycle.

## TO START THE DISHWASHER

Close the door, do not latch. Advance the Cycle Selection Dial to the desired cycle. Use the Energy Saver Button for *heated dry* or *no heat dry*. Firmly latch the door.

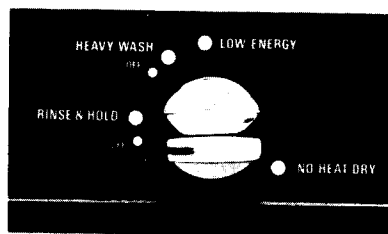
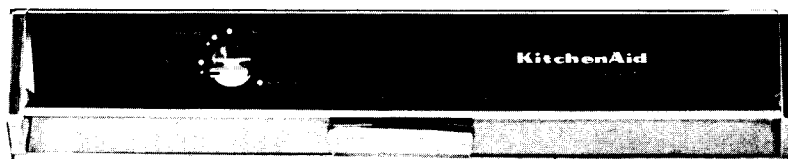
### TO CANCEL A CYCLE

The Cycle Selection Dial may be used to cancel any cycle in progress. If water is present in the dishwasher, turn the dial to the drain portion of the wash or rinse; you will hear the "click" when the drain valve opens. Let the dishwasher drain completely.

Advance the dial to the OFF position before the Rinse & Hold Cycle. This cancels the cycle. If water is absent from dishwasher, lift door latch to stop dishwasher action. Advance dial to the OFF position before the Rinse & Hold Cycle and firmly latch door. This cancels the cycle.

To start a new cycle—open dishwasher; check detergent dispenser to be sure it is properly filled. Close the door. Select the desired new cycle and firmly latch the door.

# MODEL KDA-20



## RINSE & HOLD CYCLE

Used to rinse partial loads of dishes which are to be held until the dishwasher is full. This cycle generally keeps dishes moist until a complete wash and dry cycle can be run.

**OPERATION:** This cycle provides one rinse.

**DETERGENT:** Do not use detergent.

**TIME:** 6½ minutes

**WATER:** 2 gallons (7.6 liters)

## HEAVY WASH CYCLE

Used to wash and dry daily loads including china and crystal with heavier than normal amounts of food soil.

**OPERATION:** This cycle provides two wash periods with before and after rinse periods, followed by a dry period.

**DETERGENT:** Add to both compartments of detergent dispenser. See pages 9-10.

**TIME:** 53 minutes

**WATER:** 12.5 gallons (47.3 liters)

## LOW ENERGY WASH CYCLE

Used to wash and dry daily loads including china and crystal with normal to light amounts of food soil.

**OPERATION:** This cycle has two wash periods with after rinse periods followed by a dry period.

**DETERGENT:** Add to both compartments of detergent dispenser. Lightly soiled loads may only require detergent in the right side of the dispenser. See pages 9-10. for details.

**TIME:** 47.5 minutes

**WATER:** 9 gallons (34.1 liters)

## TO START THE DISHWASHER

Close the door, do not latch. Advance the Cycle Selection Dial to the desired cycle. Firmly latch the door.

If you select the wrong cycle, always CANCEL CYCLE before changing to another cycle. See page 11

Occasionally VAPOR MAY BE NOTICED COMING OUT AT THE BOTTOM OF THE DOOR when the dryer fan starts operating. This vapor is the result of the moisture in the dishwasher being moved by the drying system. This vapor is not harmful and usually dissipates very quickly.

## TO ADD A FORGOTTEN ITEM

All cycles can be stopped at any time by unlatching the door handle. This stops the wash action. However, opening the door during the cycle lessens the cleaning power, so try to load all items before starting the cycle. Any forgotten items should be loaded in the dishwasher before the WASH portion of the cycle. To restart dishwasher, firmly latch the door. Cycle will start exactly where it was stopped.

# CARE OF YOUR DISHWASHER

## CLEANING

### DISHWASHER EXTERIOR

Control Panels—to clean always use mild soap and water. Never use an abrasive or harsh, strong liquid or powder cleanser.

Wood or Enamel Fronts and Sides—clean with cheesecloth or other soft cloth and a mild, non-abrasive soap and water solution. Do not use paper towels. Care of Wood Top on Convertible Portable—see page 16.

### DISHWASHER INTERIOR

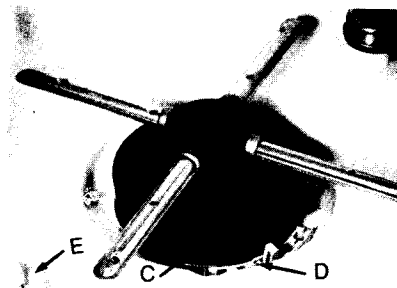
Porcelain Enamel Interior seldom needs cleaning. However, because of a possible accumulation of mineral deposits from the water, you may want to wipe it out occasionally. Use a very mild scouring powder such as Bon Ami. See chart, pages 18-22, for additional method of removing hard water film.

### DRAIN AIR GAP

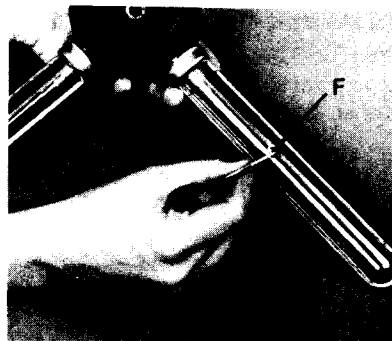
Some state or local plumbing codes require the addition of a drain air gap between a built-in dishwasher and the drain system of the home. The drain air gap is usually located on top of the sink or countertop near the dishwasher. THIS PLUMBING DEVICE IS NOT PART OF THE KITCHENAID DISHWASHER. Periodic cleaning of the drain air gap is required to prevent partial or complete blockage which would in turn prevent the dishwasher from draining properly. The warranty provided with the dishwasher does not cover service costs directly associated with the cleaning or repair of this external device.

### FILTRATION SYSTEM

The water in your dishwasher is being continuously filtered by a visible, two part filtration system. The fine filter (C) traps food soils and prevents them from recirculating and redepositing on dishes. The fine filter (C) may need cleaning occasionally and can be easily lifted out. TO REMOVE the fine filter, lift lower wash arm straight up. Lift filter out. TO REPLACE, clip filter over the pump assembly under the wash arm, and then replace wash arm.



When replacing wash arm, be sure that water holes are facing up as shown in photo. If fine filter needs cleaning often, check underside of wash arm for blockage of the single spray nozzle (F). Clean out with a toothpick.



The coarse strainer (D) collects bones, pits, toothpicks or other large items which may have mistakenly gotten into the dishwasher. On occasion, check the strainer for such items. The coarse strainer may be easily removed if necessary. TO REMOVE coarse strainer lift out by squeezing center section (D) and remove. TO REPLACE, squeeze center section so clips snap into square notch.

Overflow Protection Float—The blue float (E) in the front left corner of the dishwasher tank prevents the dishwasher from overflowing. The float must be in place for the dishwasher to operate.

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A SMALL AMOUNT OF WATER REMAINS IN SUMP (UNDER FILTER) TO LUBRICATE SEAL.

# ENERGY SAVINGS AND YOUR DISHWASHER

The following tips will help maximize energy savings using your KitchenAid dishwasher.

- Operate your dishwasher only when it is fully loaded.
- Do not rinse dishes before loading the dishwasher.
- Run the dishwasher at night during summer months to reduce heat load during the day.
- Use the Energy Saver-No Heat Dry switch.

## FLASH DRYING

Because of the heat built up in the dishes throughout the wash cycle, dishes can be "Flash Dried." Flash drying is a process where the water evaporates quickly from the dishes. To do this, advance dial to the OFF position before the Rinse & Hold Cycle; open door and pull out racks. NOTE: In hard water areas, flash drying will increase the likelihood of spotting and filming in the dishwasher.

# CONVERTIBLE PORTABLES

Convertibles are essentially built-in dishwashers with portability features added. They must be connected to the sink faucet and an electrical outlet to operate.

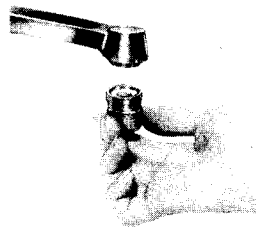
## FAUCET ADAPTER KIT

An adapter kit, furnished with your dishwasher, has an aerator faucet adapter with

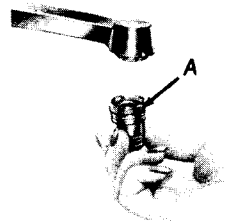
all parts necessary to connect the coupler to most faucets with external or internal threads.

If the adaptor cannot be used on your faucet, other adapters may be obtained from your KitchenAid dealer or distributor, a plumbing supply dealer or a hardware store.

## FAUCETS WITH EXTERNAL THREADS



1. Remove faucet aerator.

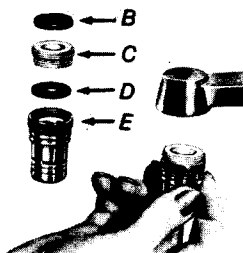


2. Screw adaptor (A) furnished in kit, to faucet.

## FAUCETS WITH INTERNAL THREADS



1. Remove faucet aerator.



2. Screw faucet adapter (C) with washers (B) and (D) to adapter (E) and then to faucet.

# OPERATING YOUR CONVERTIBLE PORTABLE

## STEP 1

Read pages 5 through 11 for cycle information, operating instructions, loading and detergent information.

## STEP 2

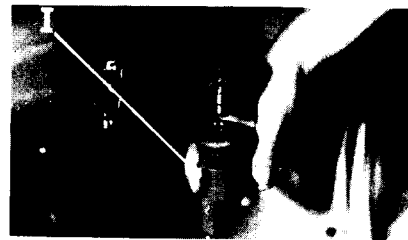
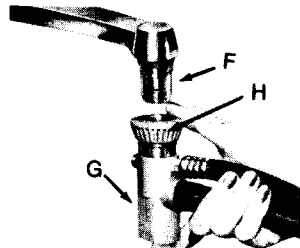
**Connect to Sink Faucet.**

**Use Hot Water Only.**

*If water in dishwasher is less than 140°F, you may want to run the water until it gets warm before attaching hoses — See page*

*This will shorten the cycle time but may increase energy usage.*

Pull hoses and coupler from hideaway compartment at the back of the dishwasher. Attach coupler (G) to adapter (F) by depressing outer ring (H). When adapter and coupler are joined, release outer ring which snaps upward for snug fit.



**Turn the hot water tap on full. Do not use any cold water.**

If hot water is needed while the dishwasher is connected, press the red release button (I)—but NOT when the dishwasher is filling or draining.

**CAUTION:** IF YOUR SINK HAS A SPRAY ATTACHMENT, IT MAY BURST AS A RESULT OF BACK PRESSURE, PARTICULARLY IF IT IS OLD. We suggest you disconnect the spray attachment hose and

close the hole with a chrome plug or cap which you can obtain at your local hardware store or plumber, or replace it with a new and stronger hose that will withstand the back pressure.

## STEP 3

**Connect Power Cord to Grounded Outlet**

Your KitchenAid portable dishwasher operates on regular 115-volt, 60 Hertz A.C. house current to be supplied by a 3-PRONG GROUNDING RECEPTACLE LISTED BY UNDERWRITERS LABORATORIES. The circuit used should be protected by a 15-amp fuse or circuit breaker.

**Caution:** The use of an extension cord is not recommended.

## GROUNDING INSTRUCTIONS

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

**DANGER:** Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the appliance is properly grounded. Do not modify the plug provided with the appliance; if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

## STEP 4

**Close door.**

**Advance dial to the desired cycle and firmly latch door; dishwasher will start.**

**If dishwasher does not start, check to make sure the dial is at the Heavy Wash Cycle mark. Unlatch and then relatch door handle. Refer to Operating Instructions, page 5.**

(continued)

## OPERATING YOUR CONVERTIBLE PORTABLE (continued)

### STEP 5

**When cycle is complete, disconnect the dishwasher.**

1. Before disconnecting power cord, lift latch to reset timer.
2. Disconnect power cord from outlet and return to hideaway compartment.
3. Turn off hot water.
4. Press red button on coupler to release water pressure and prevent splash back.
5. Depress coupler ring and remove coupler from faucet adapter. Return hoses to hideaway compartment.

Once the dishwasher has performed its washing, rinsing and final drain action, you may wish to remove the coupler from the faucet for convenient access to the water supply and sink area. To make sure dishwasher has made the final drain, wait a few minutes after you see dishwasher has gone into dry cycle. Coupler may then be removed from faucet and returned to hideaway compartment. **DO NOT DISCONNECT POWER CORD UNTIL CYCLE IS COMPLETED.**

## CONVERTIBLE PORTABLES

### CARE OF DISHWASHER TOP

The maple wood top is prefinished with a protective lacquer seal. For daily care, wipe with a damp cloth after using. To remove stubborn stains, let dampened scouring powder remain in contact with the wood for three to five hours. Then wipe away with a damp cloth.

After an extended period of use it may be necessary to recondition the top. To recondition, lightly sand off all remaining lacquer; saturate a clean cloth with mineral oil and wipe on. Allow overnight absorption. Repeat oil treatment the following day and allow

to stand four to six hours before removing excess oil with soft, dry cloth. The top is then ready for use. Repeat this treatment every six to eight months as necessary.

### CONVERTING TO BUILT-IN

There are no additional parts needed to convert your portable to a built-in dishwasher. Instructions were packaged with your dishwasher. If you have misplaced these instructions, a new set may be obtained by writing Customer Relations Dept., KitchenAid Division, Hobart Corporation, Troy, OH 45374.

## SEASONAL STORAGE

**CAUTION:** To protect against possible rupture of fill valve, be sure water lines leading to the dishwasher and water lines in dishwasher are protected against freezing. Such ruptures are not covered by the warranty.

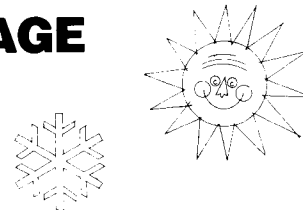
**WINTER:** To safeguard your KitchenAid dishwasher when it is exposed to freezing temperatures in a seasonal dwelling, have your local KitchenAid service person follow this procedure.

1. Turn off the electricity.
2. Shut off water supply. Place pan under fill valve and disconnect fill valve at both inlet and outlet sides. Drain water into pan.
3. Place a pan under the drain valve outlet. Disconnect the flexible tubing at the drain valve outlet. Drain machine water into pan by manually opening the drain valve. Leave both fill and drain valve disconnected.

4. To put dishwasher back in service, reconnect fill valve. Reconnect drain outlet. Turn on water supply and electricity. Close door. Select Low Energy Wash Cycle, firmly latch door and let machine complete cycle. Check connections to be sure they are watertight.

### SUMMER:

1. Turn off water supply.
2. Turn off electricity.





# CHANGING FRONT PANEL

Your dishwasher comes equipped with one front panel. It is painted Almond on one side and White on the other. Thus, there are two front panel colors to choose from which are standard with your dishwasher.

If you should desire to change the color of your front panel follow these steps:

## UPPER PANEL:

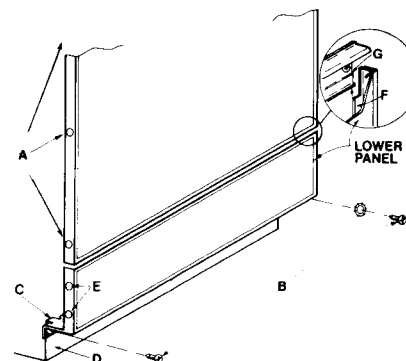
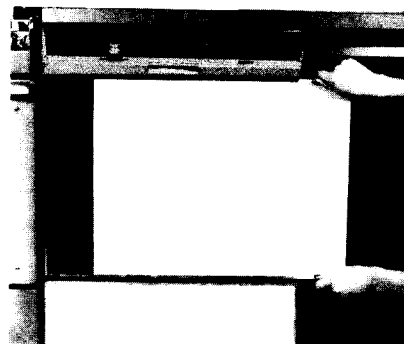
1. Pull door open and on either side of the dishwasher door, remove the 3 screws from the trim (A). Remove the loosened piece of trim.
2. Slide the panel out. *Handle carefully so the panel will not be scratched or bent.* Replace the panel so the desired color is exposed.
3. Replace the trim and screws.

## LOWER PANEL:

**Disconnect electrical power supply to dishwasher before changing panels.**

To change the lower front panel the entire lower panel assembly must be removed.

1. Remove two screws (B).
2. With hands placed under ends of panel squeeze upward and pull outward so support tabs (C) come over the lower kick plate (D).
3. Push down on top of lower panel until the lower panel assembly comes off dishwasher. If the lower panel is not coming off, repeat Step 2, above.
4. Remove the two screws (E) from either side of the trim. Take off the loosened piece of trim.
5. Slide the panel out. *Handle carefully so the panel will not be scratched or bent.* Replace the panel so the desired color is exposed.
6. Replace the trim and screws (E).
7. Taking the assembled lower panel, slide the panel up onto the dishwasher front so that the side flanges (F) are under the support strip (G). If this is done improperly, the lower panel will be loose and may fall off the dishwasher.



8. Squeeze ends of panel up and back so support tabs (C) snap over the kick plate (D).
9. Replace the screws (B). (One screw has a lock washer.)
10. Reconnect the electrical power supply.

The stainless steel trim will also accommodate a wood front up to 1/4" thick. Some wood panels are heavy and thus require the use of heavier dishwasher door springs. These may be ordered from your local KitchenAid dealer as a service item, part #240418. For more instructions on installing a wood front, refer to the Installation Instructions. If you have misplaced these instructions, please write: Manager, Customer

Relations, KitchenAid Division, Hobart Corp., Troy, Ohio 45374.

Other front panels available from your local KitchenAid dealer include: Harvest Wheat, Onyx Black, Fresh Avocado, Coffee, and Stainless Steel. These are to be used with the stainless steel trim.

**NOTE:** Protective plastic covering on stainless steel trim should be removed before dishwasher is used.

## IF YOU HAVE A DISHWASHER PROBLEM...

Please check the following recommendations before calling for service. If, after following the suggested remedy, the problem persists, see page 1 for information on how to get service.

PROBLEM	CAUSE	SOLUTION
Food Soil Left On Dishes	Slowdown of wash arm due to high suds	Use recommended dishwasher detergents only. Never use soap or laundry detergents. Add more dishwasher detergent to increase amount of suds-inhibitors.
	Improper loading	Follow loading instructions in dishwasher Use and Care Guide.
	Low water pressure due to insufficient fill	Home water pressure should be 20 to 120 psi for proper dishwasher fill. A booster pump on the water supply may be necessary if pressure is too low.
	Use of incorrect, too little or ineffective detergent.	Use recommended dishwasher detergents only. Follow recommendations in Use and Care Guide for amounts; never use less than one tablespoon per load. Detergent must be fresh to be effective. Always store it in a cool, dry area, preferably in an airtight container.
	Detergent cakes in dispenser	Use fresh detergent only. Do not allow detergent to sit for several hours in a wet dispenser. Have dispenser checked to make sure it is working properly.
	Water temperature is too low	Turn home water heater up so water entering dishwasher is 140°F (60°C) minimum. See recommended procedure "To Check Water Temperature."
	Filter cleaning spray nozzle on wash arm is blocked	Remove lower wash arm and turn upside down. Check single spray nozzle (hole) located on underside of wash arm. It cleans the filter. If nozzle is blocked, clean out with a toothpick.
Spotting and Filming	Hard water or high mineral content in water	Conditioning the final rinse water with a liquid rinse agent helps eliminate spotting and filming. The Automatic Rinse Agent Dispenser can be installed as an optional accessory. Keep rinse agent, like Jet Dry, in the dispenser at all times.  A packaged non-precipitating water conditioner can be mixed with detergent to minimize hard water problems.
	Water temperature is too low	Turn home water heater up so water entering dishwasher is 140°F (60°C) minimum. See recommended procedure "To Check Water Temperature."
	Use of incorrect detergents	Use recommended dishwasher detergents only.
	Incorrect amount of detergent	Follow recommendations in dishwasher Use and Care Guide for amount. Heavy soil and/or hard water generally require extra detergent.
	Use of ineffective detergents	Detergent should be fresh. Store in a cool, dry place, preferably in an airtight container. Discard lumpy detergent.
	Insufficient fill caused by low water pressure	Home water pressure should be 20 to 120 psi for proper dishwasher fill. A booster pump on the water supply may be necessary if pressure is too low.

**To Remove Spots and Film:** To remove spots and film on dishware and glasses, or hard water film on the interior of the dishwasher, you may want to use stripping products such as Lime-A-Way or Glass Magic. These products are available in the detergent section of your local grocery store; follow the manufacturer's directions.

Or you may use vinegar with the following procedure:

1. Load clean dishes and glasses in dishwasher in regular manner. Do not load silverware or other metals in the dishwasher.
2. Close door, select Low Energy Wash Cycle and latch door firmly. Do not use

detergent. Allow dishwasher to run through the first wash. When washer has filled for main wash portion of cycle, unlatch and open door. Add 2 cups of household vinegar. Close door; reselect Low Energy Wash Cycle and firmly latch door.

3. After final rinse water has drained, cancel cycle. Do not allow dishwasher to go through dry portion of cycle.
4. For a final polish, put two tablespoons of non-precipitating type water conditioner (such as Calgon) in the right-hand Main Wash compartment of detergent dispenser, and run dishwasher through complete Low Energy Wash Cycle.

## PROBLEM CAUSE SOLUTION

Silica Film or Etching (Silica Film is a White Iridescent Deposit; Etching is a Cloudy Film)	A water chemical reaction with certain types of glassware. Usually caused by some combination of soft or softened water, alkaline washing solutions, insufficient rinsing, overloading the dishwasher, and heat of drying.	It may not be possible to prevent problem, except by hand washing. To retard this process, use a minimum amount of detergent but not less than one tablespoon per load. Use a liquid rinse agent and underload the dishwasher to allow thorough rinsing. Remove glasses from dishwasher before dry cycle. Silica Film and Etching are permanent and cannot be removed.
Pitting of Stainless Steel Flatware	Prolonged contact with foods containing salt, vinegar, milk products or fruit juices.	Use Rinse & Hold Cycle if flatware is not washed immediately after use.
Tarnish on Silver or Silverplate	Prolonged contact with food soils containing sulfide—eggs, mayonnaise and seafood  Bronze tarnish is exposed base metal where silver has worn away on silverplate. Base metal reacts with detergents and heat to give tarnish effect.	Use Rinse & Hold Cycle if silver or silverplate are not washed immediately after use. Hand buff silverware occasionally.  Soak in vinegar for 10 minutes to remove tarnish. For permanent protection, have flatware replated.

## IF YOU HAVE A DISHWASHER PROBLEM...

Please check the following recommendations before calling for service. If, after following the suggested remedy, the problem persists, see page 1 for information on how to get service.

PROBLEM	CAUSE	SOLUTION
Darkening of Aluminum Ware	Minerals in the water or undiluted detergent	Always use automatic dishwasher detergents as they contain ingredients to protect aluminum. Ware should not be placed where it can be sprinkled with undiluted detergent. Remove at end of final rinse and towel dry. Do not stack to dry.
Black or Gray Marks on Dishes	Aluminum markings	Aluminum pieces should be loaded so that they will not rub against dinnerware during washing. Throw-away aluminum items should not be dishwasher washed because they may break down and cause marking. Aluminum markings can be removed by using a mild abrasive cleanser.
Brown Stains on Dinnerware and Dishwasher Interior	High iron content in water supply	Remove by washing dishes (after food soil has been removed) with 1 teaspoon to 1 tablespoon of citric acid crystals added to Main Wash compartment of detergent dispenser. Do not use detergent. Follow with a Low Energy Wash Cycle with detergent. If treatment is needed more often than every other month, the installation of an iron removal unit is recommended.
White Spots on Cookware with Non-Stick Finish	Seasoning removed by dishwasher detergents	Re-season cookware after dishwasher washing.
Cycle Takes Extremely Long Time	Water temperature is too low	Turn home water heater up so water entering dishwasher is 140°F (60°C) minimum. See recommended pressure "To Check Water Temperature."
Dishes Do Not Dry Completely	Dishes do not drain properly	Dishes must have proper water drainage. Do not overload. Follow instructions for loading in dishwasher Use and Care Guide. Use a rinse agent to speed draining.
	Plastics	Some plastics, due to material, may need to be towel dried.
Fading of Patterns on China	High water temperature and strong detergent	Before washing china in the dishwasher, check manufacturer's instructions to see if china is dishwasher safe. Or test wash a piece for about a month by leaving it in the dishwasher to see if and when fading occurs. Do not wash antique painted china in dishwasher.
Warped or Cracked Wooden Ware	High water temperature	Wooden ware should not be dishwasher washed.
Rust on Cast Iron	Hot water and detergents remove protective seasoning	Cast iron should not be dishwasher washed. To re-season utensil, coat with unsalted fat and heat in a slow oven for one to two hours.

PROBLEM	CAUSE	SOLUTION
Plastic Containers Warp or Lose Shape	High water temperature	Check care instructions for plastics to determine if they are "dishwasher safe, heat resistant."
Odor in the Dishwasher	Dishes only washed every two to three days	Run a Rinse & Hold Cycle at least once or twice a day until a full load is accumulated.
Chipping of Dishware	Improper loading	Load dishes and glasses so that they are stable and do not strike together from washing action. (Note: Some types of china and glassware are too delicate for automatic dishwashing and should be hand washed; for example: antiques, featheredged and similar types.) Moving racks in and out smoothly will also minimize chipping.
Fine Filter Needs Frequent Cleaning	Filter is not placed in dishwasher correctly	Make sure fine filter is seated properly under wash arm. See page 13.
	Spray nozzle on wash arm is blocked	Remove lower wash arm—see page 13—and turn upside down. On under side of each tube is an indentation. In one of these indentations is a nozzle (hole) which cleans filter. If this nozzle is blocked, clean out with toothpick.
	Dishes not scraped before loading	Make sure leftover food, bones, toothpicks and other hard items are scraped from dinnerware before loading.

## TO CHECK YOUR WATER TEMPERATURE

For best dishwashing results, water should be at least 140°F (60°C) as it enters the dishwasher. To check the temperature, test it at the faucet located nearest your dishwasher.

1. Setting the faucet control for the hottest water possible, run water into a glass set

in the sink for at least one minute, allowing it to overflow.

2. Place a candy or meat thermometer into the water and read it at the maximum setting.
3. If the temperature is too low, raise the setting on your water heater.

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**York 17405**  
Raub Supply Co.  
3001 W. Market St.  
(717) 792-9711

### RHODE ISLAND

**Providence 02914**  
The Boyd Corporation  
315 Harris Ave.  
(401) 421-9005

### SOUTH CAROLINA

**Columbia 29201**  
Southern Radio Corp.  
Stadium Road  
P.O. Box 467  
(803) 799-6143

### SOUTH DAKOTA

**Sioux Falls 57103**  
Max Pasley, Inc.  
506 S. Cliff  
(605) 336-3760

### TENNESSEE

**Chattanooga 37421**  
Creswell & Co., Inc.  
153 Warehouse Mart  
(615) 899-1290

**Knoxville 37919**  
Creswell & Co., Inc.  
3910 Papermill Rd.  
(615) 584-9171

**Memphis 38114**  
King Kitchens, Inc.  
2449 Scaper St.  
(901) 743-9821  
Service: King Parts & Service  
3085 Lamar  
Memphis, TN 38114  
(901) 743-8770

**Nashville 37202**  
Hermitage Electric Supply Corp.  
531 Lafayette St.  
P.O. Box 24990  
(615) 244-4167

### TEXAS

**Amarillo 79105**  
Consolidated Dist. Co., Inc.  
2300 North Western  
P.O. Box 149  
(806) 372-1246

**Dallas 75243**  
The Stewart Co.  
11000 N. Central Expressway  
(214) 691-5555

**El Paso 79901**  
Consolidated Dist. Co., Inc.  
1830 Mills Ave.  
(915) 533-4464

**Houston 77043**  
Earl McMillan Sales, Inc.  
1100 W. Belt Dr., North  
(713) 467-1751

**San Antonio 78294**  
Central Distributing Co.  
1201 E. Houston Street  
P.O. Box 1229  
(512) 225-1541

### UTAH

**Salt Lake City 84125**  
Wells Dist. Co.  
2620 S. 900 West  
P.O. Box 25008  
(801) 972-8700

### VERMONT

**Burlington 05402**  
Vermont Appliance Co.  
44 Lakeside Ave.  
(802) 864-9831

### VIRGINIA

**Richmond 23223**  
Bluefield Distributing Co.  
2400 Magnolia Court  
(804) 649-7521

**Roanoke 24028**  
Dixie Appliance Co.  
P.O. Box 4009  
(703) 366-8806  
Ship: 2428 Patterson Ave., S.W.  
Roanoke, VA 24016

### WASHINGTON

**Tukwila 98188**  
F. B. Connelly Co.  
720 Andover Park E.  
P.O. Box 88407  
(206) 575-0410

**Spokane 99220**  
Taylor Distributing Co., Inc.  
East 124 Sinto  
P.O. Box 3435 TA  
(509) 328-8110

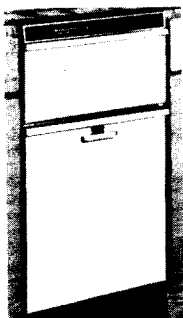
### WEST VIRGINIA

**Charleston 25326**  
Eskew, Smith & Cannon  
1206 Smith St.  
P.O. Box 1626  
(304) 344-3411

### WISCONSIN

**Milwaukee 53225**  
Roth Distributing Co., Inc.  
11925 W. Carmen Ave.  
(414) 353-9000

## LOOK FOR THESE OTHER FINE KitchenAid Products



### KitchenAid TRASH COMPACTOR

It puts a 3,000 lb. squeeze on all the boxes, cans, bottles and paper that previously would fill three or four trash cans so they fit neatly into just one. And with KitchenAid, you can choose to use the Compactor with or without trash bags.



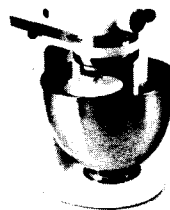
### KitchenAid STAINLESS STEEL DISPOSERS

A KitchenAid Disposer grinds finer, faster, quieter... and lasts longer. It gets rid of food waste, even beef bones and stringy vegetables. In every way, it's built to last. Choose from batch feed or continuous feed models.



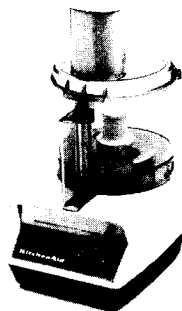
### KitchenAid INSTANT-HOT® WATER DISPENSER

You'll find many uses for it every day. Instant steaming hot water up to 190°F just by turning a knob. It's hot enough to make instant foods or drinks and help with special clean-up chores.



### KitchenAid SOLID STATE MIXERS

Egg beating, bread making, vegetable chopping, fruit juicing (to mention just a few), are quick and easy with KitchenAid Mixers and available attachments. Unique, single beater, round-the-bowl mixing action assures perfect results.



### KitchenAid FOOD PROCESSORS

The KitchenAid Food Processors have the power and speed to chop large quantities of meat as easily as they can mince a clove of garlic! Blades and discs install easily to quickly chop, mince, mix, knead, puree, slice and shred a wide variety of raw or cooked foods.



### KitchenAid ELECTRIC COFFEE MILL

With a KitchenAid Coffee Mill, all the flavor and aroma of freshly ground coffee goes in every cup. Simply dial your favorite grind and flip the switch. Then brew... and enjoy the incomparable taste of fresh-ground coffee.

KitchenAid Division | St. Joseph, MI 49085