

Dishwasher User Maintenance Instructions

Read all instructions before using dishwasher. Keep these instructions for future reference. If dishwasher changes ownership, be sure these instructions accompany dishwasher.

Contents

| | |
|--|----|
| Important Safety Instructions | 3 |
| Model Identification | 4 |
| Dishwasher-Safe Items | 5 |
| Loading Dishwasher | |
| Preparing Dishes | 6 |
| Top Rack | 6 |
| Cup Retainer (some models) | 7 |
| Cup Shelf (some models) | 7 |
| Bottom Rack | 7 |
| Cutlery Basket | 7 |
| Automatic Dishwasher Detergent | |
| Water Temperature | 8 |
| Automatic Dishwasher Detergent | 8 |
| Automatic Dishwasher Detergent Dispenser | 9 |
| Automatic Dishwasher Detergent Usage Guide | 9 |
| Rinse Aid | 10 |
| Care and Cleaning | |
| Dishwasher | 11 |
| Wood Top | 11 |
| Dishware | 11 |
| Changing Color Panels | |
| Door Panel | 12 |
| Access Panel | 12 |
| Before Calling for Service | 13 |
| Factory Service Centers | 14 |
| Asure™ Extended Service Plan | 14 |

Important Safety Instructions



RECOGNIZE THIS SYMBOL AS A SAFETY PRECAUTION



WARNING

To avoid personal injury or property damage, observe the following:

1. Read all instructions before using dishwasher.
2. Use dishwasher only for its intended purpose.
3. Use only automatic dishwasher detergents and wetting agents recommended for use in a dishwasher.
4. Keep automatic dishwasher detergents and wetting agents out of reach of children.
5. Load sharp knives so knives do not touch door seal.
6. Load knives in cutlery basket with handles up.
7. Do not place plastic dishware in dishwasher unless marked "dishwasher-safe" or equivalent. For plastic dishware not marked, check manufacturer's recommendations.
8. Do not touch heating element during or immediately after use.
9. Do not operate dishwasher unless all enclosure panels are properly in place.
10. Do not tamper with controls.
11. Do not abuse, sit on, or stand on door or dishrack of dishwasher.
12. Do not allow children to play in or on dishwasher.



DANGER

To avoid death or severe personal injury, connect dishwasher to a grounded metal, permanent wiring system.

OR

Run an equipment grounding conductor with circuit conductors and connect to equipment grounding terminal or lead on appliance.

Operate dishwasher on a separate 120 volt, 15 amp., 60 cycle line.



WARNING

To avoid death, severe personal injury or property damage, observe the following:

Hydrogen gas can accumulate in water heater and/or water pipes if hot water system has not been used for two weeks. **HYDROGEN GAS IS EXPLOSIVE.** Before using dishwasher, turn on all hot water faucets and let water flow for several minutes. This will release any accumulated hydrogen gas. Gas is flammable, do not smoke or use an open flame during this time.



WARNING

To avoid death or severe personal injury, remove dishwasher door when discarding old dishwasher.

SAVE THESE INSTRUCTIONS

Model Identification

Please read these User Maintenance Instructions thoroughly. These instructions provide proper maintenance information. Any questions, call the Consumer Affairs Department at **1-800-843-0304** inside U.S.A. and **1-319-622-5511** outside U.S.A.

Complete enclosed registration card and promptly return. If registration card is missing, call the Consumer Affairs Department.

When contacting Amana Refrigeration, Inc., provide product information. Locate product information on the nameplate, located in upper left corner of dishwasher tub. Record the following information:

Model Number: _____
Manufacturing Number: _____
S/N or Serial Number: _____
Date of purchase: _____
Dealer's name and address: _____

Keep a copy of sales receipt for future reference.

Locate an authorized servicer by calling **1-800-NATLSVC (628-5782)** inside U.S.A. and **319-622-5511** outside U.S.A. Warranty service must be performed by an **authorized** servicer. Amana Refrigeration, Inc. also recommends contacting an **authorized** servicer if service is required after warranty expires.

Amana Refrigeration, Inc. offers a complete line of appliances...refrigerators, freezers, ranges, cooktops, wall ovens, microwave ovens, washers and dryers. Amana Refrigeration, Inc. also manufactures a complete selection of high efficiency gas furnaces plus both central and room air conditioners.

Enjoy this new dishwasher.

Dishwasher-Safe Items

| Material | Usually Safe | Exceptions | 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 china/stoneware manufacturer or test wash one piece daily for at least a month. Compare with rest of set. |
| Crystal | Yes | Antique, metal trimmed, hand-painted or over-the-glaze patterns fade. Gold leaf will discolor. | Load securely to prevent movement. Check crystal manufacturer's instructions. |
| Glass | Yes | Milk glass may yellow. | |
| Iron | No | | |
| Non-dishware such as filters, etc. | No | | Damage to dishwasher and discoloration or staining of dishwasher may result. |
| Non-stick coatings | Yes | | After washing, wipe non-stick coating with vegetable oil to keep coating from losing non-stick quality. |
| Pewter | No | | |
| Plastics | Yes | | If plastic does not say "dishwasher-safe", test one piece before washing 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 | Contact with stainless steel can damage silver. Washing with copper can leave a brown film. | Rinse if not washing immediately. Salty or acid foods can stain if left on. Powder detergent can cause black spots. Avoid placing under detergent dispenser. |
| Tin | No | | |
| Wood | No | | |

Loading Dishwasher

Preparing Dishes

Prerinsing of normal food soils is not necessary. Remove foods such as mustard, mayonnaise, vinegar, lemon juice that can cause discoloration of stainless steel.



Caution

To avoid damage to pump, remove solids such as bones, meat trimmings, rinds, seeds, skins, or toothpicks.

Top Rack

Top rack is for delicate, plastic or small dishware. Glasses fit best along the sides. Arrange stemware so that stemware cannot move easily. Do not let glasses or stemware touch each other. _____

Photo One



WARNING

To avoid personal injury or property damage, do not place plastic dishware in dishwasher unless marked "dishwasher-safe" or equivalent. For plastic dishware not marked, check manufacturer's recommendations.

Place sauce pans, mixing bowls and other dishware face down. _____

Photo Two

Cup Retainer (some models)

Cup retainer secures tall cups and bowls in upper rack.

Cup Shelf (some models)

Cup shelf features a fold down shelf for two levels of smaller dishware.

Bottom Rack

Bottom rack is best for heavily soiled dishware. Fit plates and saucers between tines. Load dishware with soiled side facing center. Prop broiler pans and racks along edge. _____

Important

- Do not load large dishware in front right corner of bottom rack. Large dishware prevents automatic dishwasher detergent from circulating in wash cycle.
- Do not block wash tower or load tall dishware next to wash tower. Dishware must not prevent wash tower from rotating freely.
- Do not let dishware extend through bottom rack. This could block wash arm and cause poor washing results.

Cutlery Basket

Load cutlery basket evenly with dishware mixed. Small plastic dishware such as measuring spoons and lids are not recommended for automatic dishwashing. If placed in dishwasher, these items should be placed in center compartment with lid closed. _____

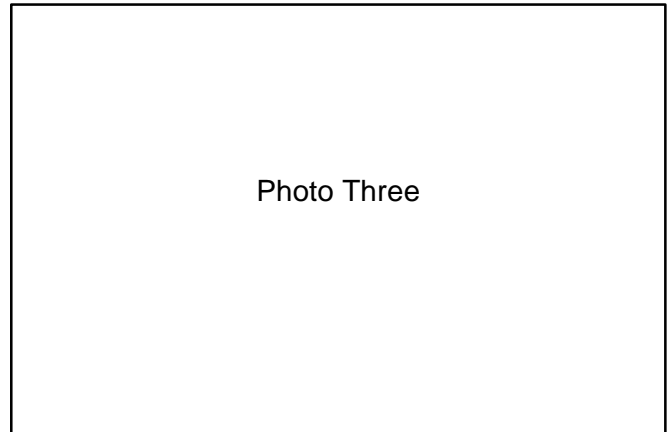


Photo Three

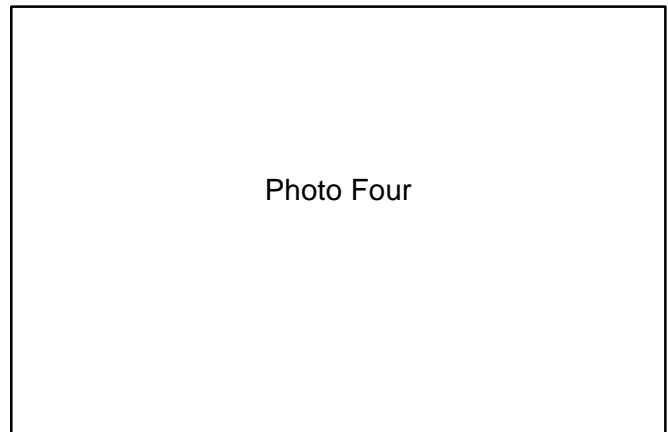


Photo Four

**WARNING**

To avoid personal injury or property damage, load sharp knives so knives do not touch door seal. Load knives in cutlery basket with handles up.

Important

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

Automatic Dishwasher Detergent

Water Temperature

Hot water is needed to activate automatic dishwasher detergent. Entering water temperature must be at least 120°F. Enhance wash performance by increasing water temperature to 130°F. or 140°F . However, water temperature should not exceed 140°F. Check water temperature with a candy or meat thermometer. Turn on hot water faucet nearest dishwasher. Put thermometer in a glass and let water run continuously into glass until temperature stops rising.

If water temperature is below 120°F., adjust water heater. If water is less than 120°F. and water heater cannot be adjusted, select a longer cycle or water temperature boost (some models) and fill both dispensers at least half full with automatic dishwasher detergent. If outside temperatures are unusually low, or if water travels a long distance from water heater to dishwasher, increase water heater temperature. If hot water has not been used for several hours, water in pipes may be cold. Turn on hot water faucet and allow water to run until hot then start dishwasher. If a lot of hot water was used recently, allow water heater time to recover before operating dishwasher.

Automatic Dishwasher Detergent



WARNING

To avoid property damage, use only automatic dishwasher detergents or wetting agents recommended for use in a dishwasher.

1. Check phosphate content. Phosphates help remove food deposits and prevent hard water from forming spots or film on dishes. Automatic dishwasher detergents with a higher phosphate level usually clean better. If phosphate content is low (8.7% or less), use more detergent.
2. Keep automatic dishwasher detergent fresh and dry. Do not store powder detergent under sink because there is too much moisture. Do not put powder detergent into dispenser until ready to wash. If powder detergent gets old or lumpy, throw detergent away.



WARNING

To avoid personal injury, keep automatic dishwasher detergents and wetting agents out of reach of children.

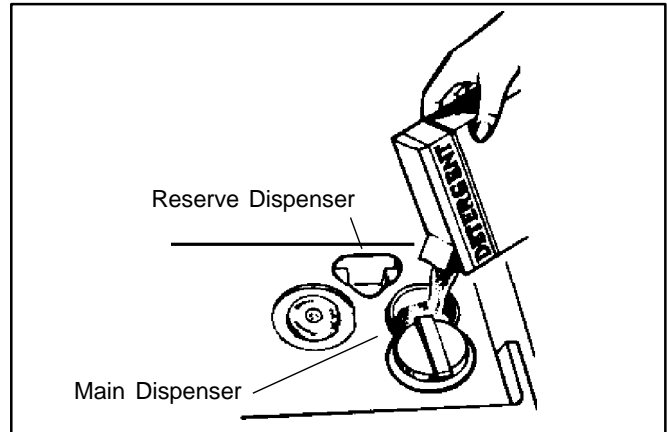
Automatic Dishwasher Detergent Dispenser

Use main dispenser for all wash programs except RINSE & HOLD. Reserve dispenser is for two cycle washes and if extra detergent is necessary.

1. Confirm cycle indicator dial is in *OFF* position, otherwise main dispenser will not close properly. Add automatic dishwasher detergent. _____
2. Close main dispenser.

Important

Open main dispenser after dispenser has been closed by unlatching door and rotating cycle indicator dial to *OFF* position. If dispenser contains automatic dishwasher detergent, partially open door before rotating cycle indicator dial. This reduces amount of spillage into tub.



Automatic Dishwasher Detergent Usage Guide (Cycles vary from model to model)

Soft Water (0-3 Grains per Gallon)

| Cycles | Main Dispenser | Reserve Dispenser |
|-----------------------------|----------------------|----------------------|
| POTS & PANS | 1 Tablespoon minimum | 1 Tablespoon minimum |
| HEAVY, NORMAL or LIGHT WASH | 1 Tablespoon minimum | 1 Tablespoon minimum |
| SHORT WASH | 1 Tablespoon minimum | Optional* |

Hard Water (4-10 Grains per Gallon)

| Cycles | Main Dispenser | Reserve Dispenser |
|-----------------------------|---------------------------|----------------------|
| POTS & PANS | 1 1/2 Tablespoons minimum | 1 Tablespoon minimum |
| HEAVY, NORMAL or LIGHT WASH | 1 1/2 Tablespoons minimum | 1 Tablespoon minimum |
| SHORT WASH | 1 1/2 Tablespoons minimum | Optional* |

Extremely Hard Water
(Over 10 Grains per Gallon)

| Cycles | Main Dispenser | Reserve Dispenser |
|-----------------------------|----------------------|---------------------|
| POTS & PANS | 3 Tablespoons (Full) | 2 Tablespoon (Full) |
| HEAVY, NORMAL or LIGHT WASH | 3 Tablespoons (Full) | 2 Tablespoon (Full) |
| SHORT WASH | 3 Tablespoons (Full) | Optional* |

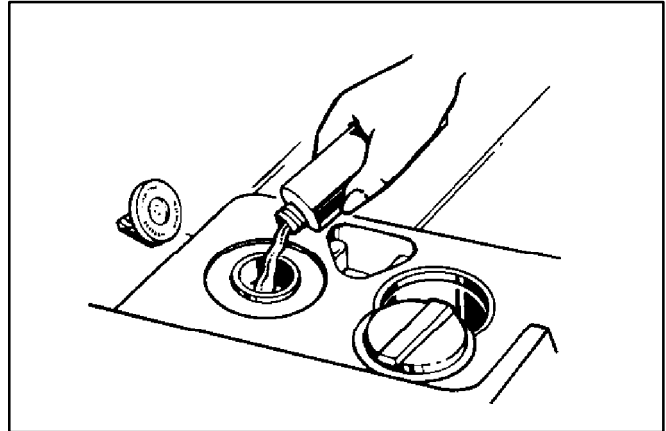
A water softener should be installed if water hardness is over 19 grains per gallon

*Add automatic dishwasher detergent to reserve dispenser if two wash, three rinse cycle is desired.

Rinse Aid

Rinse aid reduces spots on dishes and improves drying. Dispenser holds 4 1/2 ounces. This should last approximately three months. Fill as needed but do not overfill.

1. Fill rinse aid dispenser by unscrewing dispenser cap.
2. Add liquid rinse aid until liquid reaches bottom lip inside dispenser opening. _____
3. Replace cap. Dispenser automatically releases rinse aid into final rinse water.
4. Check rinse aid level by depressing dispenser cap (some models).
5. Wipe up spilled rinse aid with a damp cloth. Do not leave spilled rinse aid in dishwasher. Spilled rinse aid may prevent automatic dishwasher detergent from working properly and may cause foaming.



Care and Cleaning

Dishwasher

- Wash interior surfaces with four tablespoons baking soda dissolved in one quart warm water and a soft, clean cloth.
- Rinse surfaces with warm water. Dry surfaces with a soft, clean cloth.
- Remove spots or film on tub or door liner by starting empty dishwasher and allowing dishwasher to run 15 to 20 minutes. Open door and pour two cups of white vinegar into bottom of dishwasher. Close door and allow dishwasher to finish cycle. If vinegar does not remove spots or film sufficiently, repeat above procedure using 1/4 cup of citric acid crystals instead of vinegar.
- Remove yellow or brown film on tub or door liner with a commercial product such as Glisten.
- Do not use following items:
 - abrasive or harsh cleaners, ammonia, chlorine bleach, etc.
 - concentrated detergents
 - solvents
 - metal scouring padsThese items can scratch, crack and discolor surfaces.

Wood Top (portable model only)

Wipe wood top with a dry cloth to remove surface dust. Saturate a clean cloth with mineral oil and polish all exposed wood surfaces. Let oil stand overnight then repeat procedure. Let oil stand for four to six hours then wipe off excess oil with a soft, dry cloth.

Do not use wood top for thawing frozen foods, even when protected by aluminum foil. Never let water stand on wood top. Remove water stains by rubbing with a mineral oil saturated cloth. Sand top if top becomes stained, dirty or cut. Then wipe with a mineral oil saturated cloth.

Dishware

Dishware is not clean

- Confirm water temperature is above 120°F.
- Select water temperature boost.
- Check water pressure.
- Check air gap.
- Confirm dishwasher is loaded properly.
- Confirm automatic dishwasher detergent is not old or wet.
- Check phosphate level of automatic dishwasher detergent.
- Add automatic dishwasher detergent to reserve dispenser.
- Check level of rinse aid in dispenser.
- Select a longer cycle.

Black or grey marks appear on dishware

- Confirm dishwasher is loaded properly. Aluminum dishware can leave marks on other dishware. Avoid placing dishware under automatic dishwasher detergent dispenser. Powder detergent can leave black spots.

Yellow or brown film appears on dishware

- Check amount of iron in water.
- Film can be caused by tea or coffee. Remove film by hand soaking dishware with a solution of 1/2 cup bleach and 3 cups warm water.
- Film can also be a result of washing with copper dishware. Remove film with a silver polish.

Spotting or filming appears on dishware

- Confirm water hardness. Refer to "Automatic Dishwasher Detergent Usage Guide" section for recommended amount of automatic dishwasher detergent.
- Confirm water temperature is above 120°F.
- Confirm dishwasher is loaded properly.
- Confirm automatic dishwasher detergent is not old or wet.
- Check phosphate level of automatic dishwasher detergent.
- Check amount of automatic dishwasher detergent.
- Check level of rinse aid in dispenser.
- Remove spots or film by removing all metal items from dishwasher. Start dishwasher and allow dishwasher to run 15 to 20 minutes. Open door and pour two cups of white vinegar into bottom of dishwasher. Close door and allow dishwasher to finish cycle. If vinegar does not remove spots or film sufficiently, repeat above procedure using 1/4 cup of citric acid crystals instead of vinegar.

Cloudiness appears on dishware

- See spotting or filming section.
- Cloudiness may be etching. Etching cannot be removed.

Dishware is chipped

- Confirm dishwasher is loaded properly.

Dishware is not dry

- Confirm water temperature is above 120°F.
- Confirm dishwasher is loaded properly.
- Unload bottom rack first. Water from dishes in top rack may be spilling.
- Check level of rinse aid in dispenser.

Changing Color Panels



WARNING

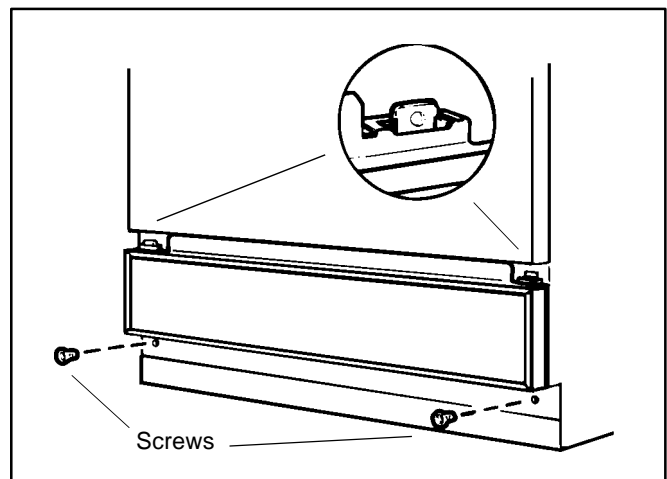
To avoid electrical shock which can cause severe personal injury or death, unplug power cord or open household circuit breaker to dishwasher before changing panels.

Changing Door Panel

1. Remove door trim from one side of door by removing screws.
2. Slide out door panel. Turn door panel around and replace.
3. Replace trim by reversing step 1.

Changing Access Panel

1. Remove access panel by removing screws then lifting panel up and over tabs. _____
2. Remove trim by removing screws .
3. Slide out access panel. Turn access panel around and replace.
4. Replace trim by reversing step 2.
5. Replace access panel by reversing step 1.



Before Calling for Service

Dishwasher will not operate

- Check fuse or circuit breaker.

Automatic dishwasher detergent is left in dispenser

- Confirm dishwasher is loaded properly.
- Open dispenser and remove any hardened automatic dishwasher detergent.
- Confirm automatic dishwasher detergent is not old or wet.

Dishwasher makes unfamiliar sounds

- Confirm items are secure in dishwasher. Water may be causing items to rattle.
- If dishwasher has not been used regularly, set dishwasher to fill and pump out once every week. This will keep seals moist.

Small amount of water is standing in tub

- This is normal and keeps water seal lubricated.

Water will not pump out of tub

- Check air gap.
- Confirm sink is draining well.
- Run disposer if dishwasher is connected to disposal.

Suds are in tub

- Confirm detergent is for automatic dishwashers. Remove suds by opening door and letting suds evaporate. Add a gallon of cold water. Close and latch door. Pump out water by turning control dial until a drain period is reached.
- Confirm rinse aid dispenser is filled properly and any spills are wiped up.

Dishwasher leaks

- Confirm automatic dishwasher detergent is for automatic dishwashers.
- Confirm rinse aid dispenser is filled properly and any spills are wiped up.

Factory Service Centers

Listed below are Factory Service Centers which service most metropolitan and surrounding areas. Amana Refrigeration, Inc. also has a network of independent authorized servicers. Locate a Factory Service Center or independent servicer by calling **1-800-NATLSVC (628-5782)** inside U.S.A. and **319-622-5511** outside U.S.A. When contacting Amana Refrigeration, Inc., provide product information. Locate product information on the nameplate, located in upper left corner of dishwasher tub. Warranty service must be performed by an **authorized** servicer. Amana Refrigeration, Inc. also recommends contacting an **authorized** servicer if service is required after warranty expires.

- **Amana Factory Service Center Arizona**
Also dispatches service in areas of Nevada
- **Amana Factory Service Center Northern California**
- **Amana Factory Service Center Southern California**
- **Amana Factory Service Center Colorado**
Also dispatches service in areas of Utah
- **Amana Factory Service Center Florida**
- **Amana Factory Service Center Georgia**
Also dispatches service in areas of Alabama, North Carolina, South Carolina and Tennessee
- **Amana Factory Service Center Iowa**
Also dispatches service in areas of Kansas, Minnesota, Missouri and Wisconsin
- **Amana Factory Service Center Illinois**
Also dispatches service in areas of Indiana and Kentucky
- **Amana Factory Service Center Massachusetts**
Also dispatches service in areas of New Hampshire and Rhode Island
- **Amana Factory Service Center Maryland**
Also dispatches service in areas of Pennsylvania, Virginia and Washington D.C.
- **Amana Factory Service Center New York**
Also dispatches service in areas of Connecticut and New Jersey
- **Amana Factory Service Center Ohio**
Also dispatches service in areas of Michigan and Pennsylvania
- **Amana Factory Service Center Texas**
- **Amana Factory Service Center Washington**
Also dispatches service in areas of Oregon

Asure™ Extended Service Plan

Amana Refrigeration, Inc. is pleased to offer long-term service protection on this new dishwasher. Asure™ Extended Service Plan is specially designed to supplement Amana's strong warranty. Asure™ provides budget-protecting coverage on dishwasher and includes parts, labor and travel charges. A participating Amana® dealer has details.



Part No. 10885804
Printed in U.S.A.



© 1995 Amana Refrigeration, Inc.
Amana, Iowa 52204