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Instruction Manual

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Write the model and serial numbers here:

Model: RDW1809-WHITE

Serial#



DISHWASHER FEATURES

The electric dishwasher of RDW1809 model, besides the common characteristics of other household dishwashers, it has its own specialties:



Error alarm

Fault codes display would inform the user of abnormal status of the machine.



Rinse aid Warning Indicator

If the rinse aid are running low, there will be clearly displayed on the panel alerting you to top them up, to ensure that the machine continues to operate at optimum performance.



Stainless steel tub

You need not warry about stain of tub.



4 wash programs

You can choose desired program according to the soiled level. Such as: heavy , normal , light , speed ,



NOTE:

The manufacturer, following a policy of constant development and up-dating of the product, may make modifications without giving prior notice.

IMPORTANT SAFETY INFORMATION READ ALL INSTRUCTIONS BEFORE USING

A WARNING!

When using your dishwasher, follow the below basic precautions including the following:



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 of 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.

▲ WARNING!

■ Improper connection of the equipmentgrounding conductor can result in a risk of electric shock. Check with a qualified electrician or service representative if you are in doubt whether the appliance is properly grounded. Do not modify the plug provided with the appliance; If it is not fit for the outlet .have a proper outlet installed by a qualified electrician.



WARNING! PROPER USE

- Do not abuse, sit on, or stand on the door or dish rack of the dishwasher.
- Do not touch the heating element during or immediately after use.
- Do not wash plastic items unless they are marked dishwasher safe or the equivalent. For plastic items not so marked, check the manufactures recommendations.
- Use only detergent 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 children.
- Keep child away from detergent and rinse aid, keep child away from the open door of the dishwasher, there could still be some detergent left inside.
- The door should not be left in the open position since this could present a tripping hazards.
- During installation, the power supply must not be excessively or dangerously bent or flattened.
- Do not tamper with controls.
- The appliance is not intended for use by young children or infirm persons without supervision.
- Dishwasher detergents are strongly alkaline, they can be extremely dangerous if swallowed. Avoid contact with skin and eyes and keep children away from the dishwasher when the door is open.

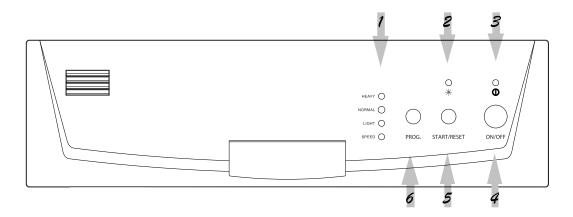
- Do not operate your dishwasher unless all enclosure panels are properly inplace. Open the door very carefully if the dishwasher is operating, there is a risk of water squirting out.
- Do not place any heavy objects of stand on the door when it is open. The appliance could tip forward.
- When loading items to be washed:
 1) Locate sharp items so that they are not likely to damage the door seal;
 2) Load sharp knives with the handles up to reduce the risk of cut-type injuries.
- When using your dishwasher, you should prevent plastic item from contacting with heating element.
- If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- Please dispose of packing materials properly.
- Use the dishwasher only for its intended function.
- Remove the door to the washing compartment when removing an old dishwasher from service or discarding it.
- Young children should be supervised to ensure that they do not play with the appliance.
- Check that the detergent receptable is empty after completion of the wash cycle.

READ AND FOLLOW THIS SAFETY INFORMATION CAREFULLY SAVE THESE INSTRUCTIONS

IMPORTANT!

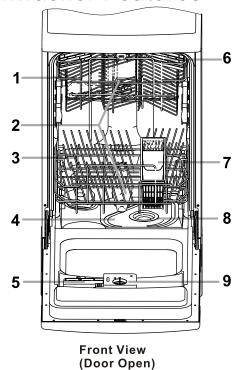
To get the best performance from your dishwasher, read all operating instructions before using it for the first time.

Control Panel



- 1 Power on light: To show when the power is on.
- Rinse Aid Warning Light: To show when the dispenser needs to be refilled.
- 3 Power indicator light: To show the power supply.
- ON/OFF Button: To turn on/off the power supply.
- 5 Start /Pause button: To start the selected washing program or pause the washing program when the machine is working.
- 6 Program button :press the button to select wash cycles.

Dishwasher Features



- 1 Upper Basket
- 4 Main Filter
- 2 Spray Arms
- 5 Detergent Dispenser
- 3 Lower Basket
- 6 Cup Shelf

- 11
- 7 Silverware Basket
- 8 Coarse Filter
- 9 Rinse Aid Dispenser
- 10 Portable Faucet Adapter Assembly
- 11 Power Cord
- 12 Caster

Back View

WASH CYCLE TABLE

Program	Cycle Selection Information	Description of Cycle	Detergent pre/main	Running time(min)	Energy (Kwh)	Water (gal)	Rinse Aid
L Heavy	For the heaviest soiled loads, such as pots, pans, casserole dishes and dishes that have been sitting with dried food on them for a while.	Pre-wash Pre-wash Wash (55℃) Rinse Rinse (60℃) Drying	18g	125	0.676	4.17	*
Normal (AHAM)	For normally soiled loads, such as pots, plates, glasses and lightly soiled pans. standard daily cycle.	Pre-wash Wash (50°C) Rinse Rinse (55°C) Drying	18g	115	0.594	3.09	*
Light.	For lightly soiled loads, such as plates, glasses, bowls and lightly soiled pans.	Pre-wash Wash (50 ℃) Rinse Rinse (55℃) Drying	18g	85	0.419	3.17	*
∑ Speed	A shorter wash for lightly soiled loads that do not need drying.	Pre-wash Wash (50 ℃) Rinse(55 ℃) Drying	15g	65	0.412	2.46	



The inlet water temperature is 120 $^{\circ}\,\text{F}\,$,If not ,the wash performance will reduce.

ERROR CODES

Codes	Meanings	Possible Causes
The light and Speed program lights flicker fleetly	Longer heating time, but not reaching required temperature	Malfunction of temperature sensor or of heating element.
The Normal and light program lights flicker fleetly	Failure of temperature sensor	Open circuit or break of temperature sensor
The Normal , light and Speed program lights flicker fleetly	Failure of temperature sensor	Short circuit or break of temperature sensor

DETERGENT DISPENSER

YOU MAY NOTADD TOO MUCH DETERGENT TO PREVENT THE FORMATION OF DEPOSITS BECAUSE YOUR DISHWASHERS

HAVE SPECIALLY-DESIGNED WATER SOFTENERS.

The dispenser must be refilled before the start of each wash cycle following the instructions provided in the "Wash Cycle

Table". Your dishwashers use less detergent and rinse aid than conventional dishwashers. Generally, only one tablespoon of

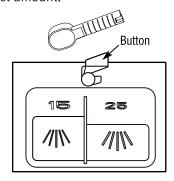
detergent is needed for a normal wash load. Also, more heavily soiled items need more detergent. Always add the detergent just

before starting dishwasher, otherwise it could get damp and will not dissolve properly.

Amount of Detergent to Use

IF THE WATERISN'T TOOHARD, YOU MAY ALSO PREVENT THE FORMATION OF DEPOSITS BY ADDING DETERGENT.

The amount of detergent needed can vary due to differences in water hardness. To determine the water hardness in your area, contact your local water utility or area water softening company. The harder the water, the more detergent you may need. Remember, you should adjust the amount of detergent you use by small amounts until you find the correct amount.



Removing Hard Water Spots

To remove hard water spots, try the following:

- Run dishes through a normal wash program.
- Remove all metal dishware, such as cutlery, pans, etc., from the dishwasher.
- Do not add detergent.
- Pour two cups of vinegar into a bowl and set the bowl face up on the lower rack of the dishwasher.
- Run the dishes through a normal wash program. If this doesn't work, try the same process with 1 / 4 cup of

Proper Use of Detergent

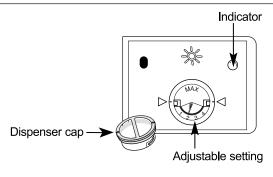
citric acid crystals instead of vinegar.

Use only detergent specifically made for use in dishwashers. Keep your detergent fresh and dry. Don't put powder detergent into the dispenser until You're ready to wash dishes.

▲ WARNING!

Dishwasher detergent is corrosive! Take care to keep it out of reach of children.

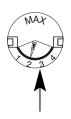
RINSEAID DISPENSER



- To open the dispenser, turn the cap to the "open" (left) arrow and liftit out.
- Pour the rinse aid into the dispenser, being careful not to overfill.
- Replace the cap by inserting it aligned with "open" arrow and turning it to the closed (right) arrow.

- The rinse aid is released during the final rinse to prevent water from forming droplets on your dishes that can leave spots and streaks. It also improves drying by allowing water to "sheet" off the dishes.
- Your dishwashers are designed to use liquid rinse aids. The rinse aid dispenser is located inside the door next to the detergent dispenser. To fill the dispenser, open the cap and pour the rinse aid into the dispenser until the level indicator turns completely black. The dispenser holds about 100 mlof liquid rinse aid.
- Be careful not to overfill the dispenser, because this could cause over sudsing. Wipe away any spills with a damp cloth. Don't forget to replace the cap before you close the dishwasher door.
- If you have soft water, you may not need rinse aid for it may cause a white film to develop on your dishes.

Adjusting Rinse Aid Dispenser



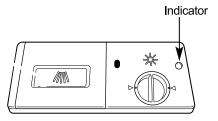
A measured amount of rinse aid is released during the final rinse. As with detergent, the amount of rinse aid needed for your dishes depends on the hardness of the water in your area. Too much rinse aid can result in lather of foaming and cause cloudiness or steaks on your dishes. If the water in your area is very soft, you may not need rinse aid. If you do, you can dilute the rinse aid with an equal amount of water.

The rinse aid dispenser has four settings. Always start with the dispenser set on " 2". If spots and poor drying are problems, increase the amount of rinse aid dispensed by removing the dispenser lid and rotating the dial to "3". If the dishes still are not drying properly or are spotted, adjust the dial to "4".. We suggest you to set on "2".

Adjustable setting

When to Refill the Rinse Aid Dispenser

If there is no rinse aid warning light in the control panel, you can judge the amount of rinse aid by the following means. The black dot on the rinse aid dispenser indicates the amount of rinse aid in the dispenser. As the rinse aid diminishes, the size of the black dot decreases. You should never let the rinse aid get below 1 /4 full.



As the rinse aid diminishes, the size of the black dot on the rinse aid level indicator changes, as illustrated below.

- Full
- 3 / 4 full
- 1 / 2 full
- 1 / 4 full Should refill to eliminate spotting
- **Empty**

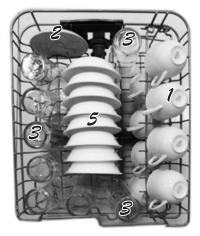
Loading the Dishwasher Racks.

For best performance of the dishwasher, follow these loading guidelines. Features and appearance of racks and silverware baskets may vary from your model.

How to use the Upper Rack

The upper rack is designed to hold more delicate and lighter dishware such as glasses, coffee and tea cup and saucers, as well as plates, small bowls and shallow pans(as long as they are not too dirty). Position the dishes and cookware so that they do not get moved by the spray of water.

The upper rack can be adjusted for height by putting wheels of different height into the rails.



- 1. Cups
- 2. Saucer
- 3. Glasses

How to use the Lower Rack

We recommend that you place large items which are most difficult to clean into the lower rack: pots, pans, lids, serving dishes and bowls, as shown in the figure to the right.

It is preferable to place serving dishes and lids on the side of the racks in order to avoid blocking the rotation of the top spray arm.

- Pots, serving bowls, etc, must always be placed top down.
- Deep pots should be slanted to allow water to flow out.
- The bottom rack feature fold down tine rows so that larger or more pots and pans can be loaded.



- 4. Serving bowl
- 5. Fruit bowl
- 6. Bread and butter plates
- 7. Serving plate
- 8. Dinner plates
- 9. Silverware basket

SILVERWARE BASKET

Silverware should be placed in the silverware basket with handles at the bottom: If the rack has side baskets, the spoon should be loaded individually into the appropriate slots, Especially long utensils should be placed in the horizontal position at the front of the upper rack.



2	4 4 4	5 5 5	1
2	4	5	1
2	4 4 4	5 5 5 5 3	1
_	4	5	1
2	4	5	1 4 7
2	4	5	7
	3	5	
2	3	3	1
2	4 3 3 3 3 3	3 3 6	1
	3	3	1
2	3	6	6

1	Salad Forks	

5 Knife

2 Teaspoons

6 Serving spoon

3 Soup spoons

7 Serving fork

4 Dinner forks



▲ WARNING!

Do not let any item extend through bottom.

Turning on the Appliance

Starting a wash cycle. . .

- 1. Make sure that the plug 0f the appliance is inserted into the wall socket;
- 2. Make sure that the water supply is turned on to full pressure;
- 3. Load the dish (see the section entitled "loading the dishwasher");
- 4. Pour the detergent (see the section entitled "detergent and Rinse aid");
- 5. Press the on/off button, the on/off light will turn on;
- 6. Press the program button to select program;
- 7. Close the door and press the start/pause button, the machine will work.

Change a washing program . .

- A cycle that is underway can only be modified if it has only been running for a short time. Otherwise, the detergent may have already been released, and the appliance may have already drained the wash water. If this is the case, the detergent dispenser must be refilled (see the section entitled "Loading the Detergent").
- press the start/pause button to stop the washing. Press the programme button more than 3 seconds to cancel the running programme. Then you can select other programmes (see the section entitled "Starting a wash cycle...").



NOTE: If you open the door during a wash cycle, the machine will pause. When you close the door and press start/pause button, The machine will continue working after 10 seconds.

At the End of the Wash Cycle

When the washing cycle has finished, the buzzer of dishwasher will be mooing 8 seconds,, then stop. Open the door, turn off the appliance using the ON/OFF button,. Wait a few minutes before unloading the dishwasher to avoid handling the dishes and utensils while they are still hot and more susceptible to breakage. They will also dry better.

Forget to Add a Dish?

A forgotten dish can be added any time before the detergent cup opens.

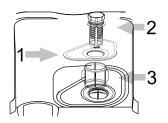
- 1 Press the start/reset button to stop the washing.
- 3 Add forgotten dishes.
- 2 After the spray arms stop working, you can open the door completely.
- 4 Close the door, and press the start/reset button the dishwasher will work after 10 seconds.

▲ WARNING!

It is dangerous to open the door when washing, because the hot water may scald you.

Filtering System

For your convenience, we have placed the drain pump and filtering system within easy reach inside the tub. There are three components of the filtering system: the main filter, the coarse filter, and the fine filter.

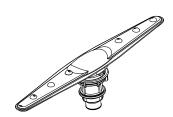


- 1 Main filter
 Food and soil particles trapped by this filter are pulverized by a special jet on the lower spray arm and washed down the drain.
- Coarse filter Larger items, such as pieces of bone or glass, that could clog the drain are trapped in the coarse filter. To remove an item caught in this filter, gently squeeze the tabs on top of this filter and lift it out.
- Fine filter
 This filter holds soil and food residue in the sump area and prevents it from being redeposited on the dishes during a cycle.

Caring for the Dishwasher

To clean the control panel use a lightly dampened cloth then dry thoroughly. To clean the exterior use a good appliance polish wax.

Never use sharp objects, scouring pads or harsh cleaners on any part of the dishwasher.



Protect Against Freezing

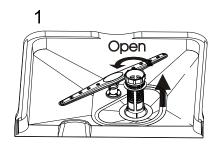
If your dishwasher is left in an unheated place during the winter, ask a service technician to:

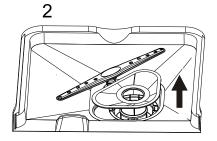
- 1 Cut off electrical power to the dishwasher. Remove fuses or trip circuit breaker.
- 4 Reconnect the water inlet pipe to the water valve.
- 2 Turn off the water supply and disconnect the water inlet pipe from the water valve.
- 5 Remove the plastic sump cover in the tub the bottom and use a sponge to soak up water in rubber boot.
- 3 Drain water from the inlet pipe and water valve. (Use a pan to catch the water.)

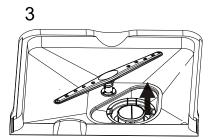
Cleaning the Spray Arms

It is necessary to clean the spray arms regularly for hard water chemicals will clog the spray arm jets and bearings. To remove the spray arm, Wash the arms in soapy and warm water and use a soft brush to clean the jets. Replace them after rinsing them thoroughly.

Cleaning the Filters







Step 1: Turn the filter in anti-clockwise direction, then lift it up.

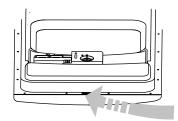
Step 2: lift the Main filter up

Step 3: lift the Fine filter up

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E: If do it from step1 to step 3, the filter system will be removed; Reverse operate by placing the main filter ,then screw up the fine filter to finish installation

User-Maintenance Instructions Cleaning the Door



To clean the edge around the door, you should use only a soft warm, damp rag. To prevent penetration of water into the door lock and electrical components, do not use a spray cleaner of any kind.

Also, never use abrasive cleaners or scouring pads on the outer surfaces because they will scratch the finish. Some papers towels can also scratch or leave marks on the surface.

A WARNING!

Never use a spray cleaner to clean the door panel for it could damage the door lock and electrical components. It is not allowed to use the abrasive agent or some paper towel because of the risk of scratching or leaving spots on the stainless steel surface.

How to Keep Your Dishwasher in Shape

After Every Wash

After every wash, turn off the water supply to the appliance and leave the door slightly ajar so that moisture and odors are not trapped inside.

Remove the Plug

Before cleaning or performing maintenance, always remove the plug from the socket. Do not run risks.

■ No Solvents or Abrasive Cleaning

To clean the exterior and rubber parts of the dishwasher, do not use solvents or abrasive cleaning products. Rather, use only a cloth and warm soapy water. To remove spots or stains from the surface of the interior, use a cloth dampened with water and a little white vinegar, or a cleaning product made specifically for dishwashers.

■ When You Go on Holiday

When you go on holiday, it is recommened that you run a wash cycle with the dishwasher empty and then remove the plug from the socket, turn off the water supply and leave the door of the appliance slightly ajar. This will help the seals last longer and prevent odors from forming within the appliance.

■ Moving the Appliance

If the appliance must be moved, try to keep it in the vertical position. If absolutely necessary, it can be positioned on its back.

Seals

One of the factors that cause odors to form in the dishwasher is food that remains trapped in the seals. Periodic cleaning with a damp sponge will prevent this from occurring.

About Electricity Connecting

▲ CAUTION, for personal safety:

DO NOT USE ANEXTENSION CORD OR AN ADAPTER PLUG WITH THIS APPLIANCE.
DO NOT, UNDER ANY CIRCUMSTANCES, CUT OR REMOVE THE THIRD GROUNDING PRONG FROM
THE POWER CORD.

Electrical Requirements

This dishwasher is designed for operation on an adequately wired individual 120VAC,60Hz.Use required fuse 16 amps. Fused electrical supply is required-copper wire only. Time delay fuse or circuit breaker recommended and provide separate circuit serving only this appliance. Outlet should be placed in adjacent cabinet.

Electrical Connection

▲ WARNING!

Insure proper ground exists before use

After making sure that the voltage and the frequency values for the current in the home correspond to those on the rating plate and that the electrical system is sized for the maximum voltage on the rating plate, insert the plug into an electrical socket which is earthed properly. If the electrical socket to which the appliance must be connected is not appropriate tor the plug, replace the socket, rather than using a adaptors or the like as they could cause overheating and burns.

Before you call for service



Troubleshooting Tips Save time and money! Review the charts on the following pages. You may not need to call for service.

Problem	Possible Causes	What To Do		
Noise	Some of the sounds you'll	Detergent cup opening.		
	hear are normal	The motor starting during the drying period. Water draining out of the tub immediately after you start the dishwasher.		
	Utensils are not secure in the rack or something small has dropped into the rack	Make sure everything is secured in dishwasher.		
	Motor hums	Dishwasher has not been used on a regular basis. If you do not use your dishwasher for long time, pleaseselect and run the shortest wash program once every week. This will help keep the seal moist to avoid <i>Motor hums</i> .		
Detergent left in dispenser cups	Dishes block the Detergent cover	Reposition the dishes.		
Water will not pump out of the tub	Drain is clogged	Check drain hose. Check coarse the filter (see section titled " Cleaning The Filter ") Check if your kitchen sink is draining well. If not, please ask plumber to deal with.		
Suds in the tub	Correct detergent was not used	Use only the special dishwasher detergent to avoid suds. If this occurs, open the dishwasher and let suds evaporate. Add 1 gallon of cold water to the tub. Close and latch the dishwasher, then Start the wash cycle to drain out the water. Repeat if necessary.		
	Rinse agent was spilled	Always wipe up rinse agent spills immediately.		
Stained dishwasher parts	Detergent with Colorant was used	Some detergents contain colorant (pigment or dyes) that will discolor the tub interior with extended use. Check the detergent cup for signs of any discoloration. If cup is discolored, change to detergent without any colorant. Cascade, Cascade Completeand Electrasol Dishwashing Detergents have been approved for use in our dishwashers.		
	Some tomato-based foods can stain	Use of the RINSE ONLY cycle after adding the dish to the load can decrease the level of staining.		
Dishes and flatware	Low inlet water temperature	Make sure inlet water temperature is correct (see page 4).		
not clean	Water pressure is temporarily low	Turn on a faucet. Is water coming out more slowly than usual? If so, wait until pressure is normal before using your dishwashed		
	Air gap is clogged	Clean the air gap.		
	Improper rack loading	Make sure large dishware does not block the detergent dispenser or the wash arms.		

Before you call for service

Problem	Possible Causes	What To Do
Spots and filming	Extremely hard water	Use Jet-Dry rinse agent to remove spots and prevent new film buildup.
on glasses and flatware	Low inlet water temperature	To remove stubborn spots and pre-existing film from glassware:
iialwar e	Overloading the dishwasher	1 Remove all metal utensils from the dishwasher.
	Improper loading	2 Do not add detergent.
	Old or damp powder detergent	3 Start the dishwasher and allow to run for 30 minutes. Dishwasher
	Rinse agent dispenser empty	will now be in the main wash.
	Too little detergent	4 Open the door and pour 2 cups (500 ml) of white vinegar into the bottom of the dishwasher.
		5 Close the door and allow to complete the cycle. If vinegar rinse does n work: Repeat as above, Except use 1/4 cup (60 ml) of citric acid crystals
		instead of vinegar.
Cloudiness on glassware	Combination of soft water and too much detergent	This is called Etching and is permanent. To prevent this from happening, Use less detergent if you have soft water. Wash glassware in the shortes cycle that will get them clean.
	Water temperature entering the dishwasher excee ds 150°F	Lower the water heater temperature.
Black or gray marks on dishes	Aluminum utensils have rubbed against dishes	Remove marks with a mild, abrasive cleaner.
Yellow or brown film on inside surfaces	Tea or coffee stains	Remove the stain by hand, using a solution of 1/2 cup bleach and 3 cups warm water.
		A CAUTION Before cleaning interior wait at least 20 minutes after a cycle for the temperature to cool down. Failure to do can result scald.
	An overall yellow or brown film can be caused by iron deposits in water	A special filter in the water supply line is the only way to correct this problem. Contact a water softener company.
White film on inside surfaces	Hard water minerals	To clean the interior, apply dishwasher detergent to a damp sponge. Wear rubber gloves. Do not use any type of cleanser other than
		dishwasher detergent because it may cause foaming or sudsing. Cascade Complete And Electrasol Automatic Dishwashing Detergents have been approved for use in your dishwasher.
Dishes don't dry	Low inlet water temperature	Make sure inlet water temperature is correct (see page 4).
	Rinse agent dispenser is empty	Check the rinse agent dispenser.
Dishwasher won' t run	Fuse is blown, or the circuit breaker tripped	Replace fuse or reset circuit breaker. Remove any other appliances from the circuit.
Steam	This is normal	Steam comes through the vent during washing, drying and when water is being pumped out.