
INSTALLATION INSTRUCTIONS UNDERCOUNTER DISHWASHER PLASTIC GIANT TUB MODELS

INSTRUCTIONS D'INSTALLATION LAVE-VAISSELLE SOUS COMPTOIR MODÈLES À TRÈS GRANDE CUVE EN PLASTIQUE

Table of Contents 2

Table des matières 24

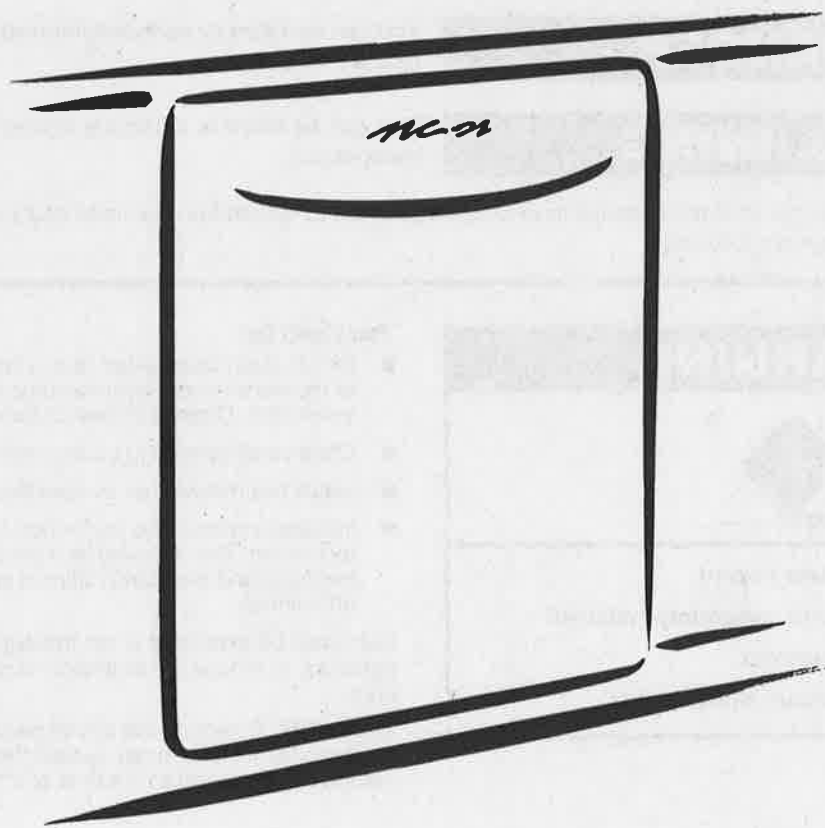


TABLE OF CONTENTS

DISHWASHER SAFETY	2	INSTALLATION INSTRUCTIONS (CONT.)	
INSTALLATION REQUIREMENTS	3	Determine Cabinet Opening.....	14
Tools and Parts.....	3	Choose Attachment Option.....	15
Location Requirements.....	4	Prepare Water Supply Line.....	15
Drain Requirements.....	6	Move Dishwasher Close to Cabinet Opening.....	16
Water Supply Requirements.....	6	Connect to Water Supply.....	18
Electrical Requirements.....	6	Connect to Drain.....	18
INSTALLATION INSTRUCTIONS	7	Make Direct Wire Electrical Connection.....	19
Prepare Cabinet Opening—Existing Utilities.....	7	Secure Dishwasher in Cabinet Opening.....	20
Prepare Cabinet Opening—New Utilities.....	7	Complete Installation.....	22
Prepare and Route Water Line.....	8	Check Operation.....	23
Install Drain Hose.....	9	If Dishwasher Does Not Operate.....	23
Prepare Dishwasher.....	11	Additional Tips.....	23
Make Power Supply Cord Connection.....	12		

DISHWASHER SAFETY

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages.



This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word "DANGER" or "WARNING." These words mean:

⚠ DANGER

You can be killed or seriously injured if you don't **immediately follow instructions.**

⚠ WARNING

You can be killed or seriously injured if you don't follow instructions.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.

⚠ WARNING



Tip Over Hazard

Do not use dishwasher until completely installed.

Do not push down on open door.

Doing so can result in serious injury or cuts.

You Need to:

- Slowly open dishwasher door while someone grasps the rear of the dishwasher. Remove shipping materials, drain hose and lower rack. Close dishwasher door until latched.
- Observe all governing codes and ordinances.
- Install this dishwasher as specified in these instructions.
- Installation should be performed by a qualified service technician. The dishwasher must be installed to meet all electrical and plumbing national and local codes and ordinances.

Care shall be exercised when the appliance is installed or removed, to reduce the likelihood of damage to the power-supply cord.

WARNING: To reduce the risk of electric shock, fire, or injury to persons, the installer must ensure that the dishwasher is completely enclosed at the time of installation.












INSTALLATION REQUIREMENTS

Tools and Parts

Gather the recommended tools and parts before starting installation. Read and follow the instructions provided with any tools listed here.

All Installations

Tools needed:




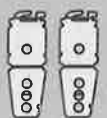
Pliers 	Flat-blade screwdriver 
Phillips screwdriver 	Utility knife 
5/16" and 1/4" nut drivers or hex sockets 	UL Listed/CSA Approved twist-on wire connectors* 
Measuring tape or ruler 	Small level 
10" adjustable wrench that opens to 1 1/8" (2.9 cm) 	5/8" open-end wrench 
Torx® T20® screwdriver 	

*Must be the proper size to connect your household wiring to 16-gauge wiring in dishwasher.

Other useful items you may need:

Flashlight 	Shallow pan 	Bath towel 
--	---	--

Parts supplied:

Drain hose clamps (2) (1 large and 1 small) 	Drain hose 	#10 x 1/2" Phillips-head screws (2) 	Undercounter mounting brackets (2) 
---	--	---	--



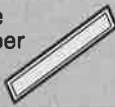
Make sure all these parts are included in the literature package.

Parts needed:

3/8" Compr x 3/4" hose fitting
For part or kit, see local retailer or call Whirlpool Parts: 1-800-442-9991. Part Number W10273460






Other parts you may also need:

1 1/2"-2" (3.81-5 cm) Screw-type clamps (3 maximum) 	Masking or duct tape 
Moisture barrier tape (Part Number 4396277) 	Side mounting kit for solid surface countertops (Part Number 8212560)


NOTE: Some parts available for purchase in plumbing supply stores. Check local codes. Check existing electrical supply. See "Electrical Requirements" section. It is recommended that electrical connections be made by a licensed electrical installer.

In addition, for first-time installations

Tools needed:

Cordless drill with 1/2", 3/4" and 1 1/2" hole saw bits 	Small tubing cutter 	Wire stripper 
---	---	---

Parts needed:

Copper tubing (3/8" O.D. suggested) or flexible braided water supply line 	See "Electrical Requirements" section.	
	For Direct Wire: use UL Listed/CSA Approved strain relief to fit 7/8" (2.2 cm) hole	For Power Supply Cord: use UL Listed/CSA Approved power supply cord kit marked for use with dishwasher

Location Requirements

Grounded electrical supply required.

Do not run drain lines, water lines or electrical wiring where they can interfere with or contact dishwasher motor or legs.

The location where the dishwasher will be installed must provide clearance between motor and flooring. Motor should not touch the floor.

Do not install dishwasher over carpeted flooring.

Shelter dishwasher and water lines leading to dishwasher against freezing. Damage from freezing is not covered by the warranty.

A side panel kit is available from your dealer for installing your dishwasher at the end of your cabinetry.

A moisture barrier accessory (Part Number 4396277) is available from your dealer for installing underneath the countertop.

Check location where dishwasher will be installed. The location must provide:

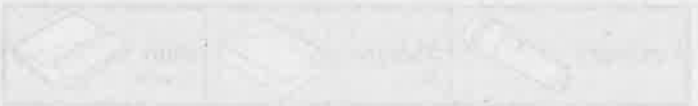
- easy access to water, electricity and drain.
- convenient access for loading and unloading dishes. Corner locations require a 2" (5.1 cm) minimum clearance between the side of the dishwasher door and the wall or cabinet.
- square opening for proper operation and appearance.
- cabinet front perpendicular to floor.
- level floor. (If floor at front of opening is not level with floor at rear of opening, shims may be needed to level dishwasher.)

Helpful Tip: Be sure to accurately measure dimensions and ensure dishwasher is level if the floor in the dishwasher opening is uneven (example: Flooring extends only partway into opening).

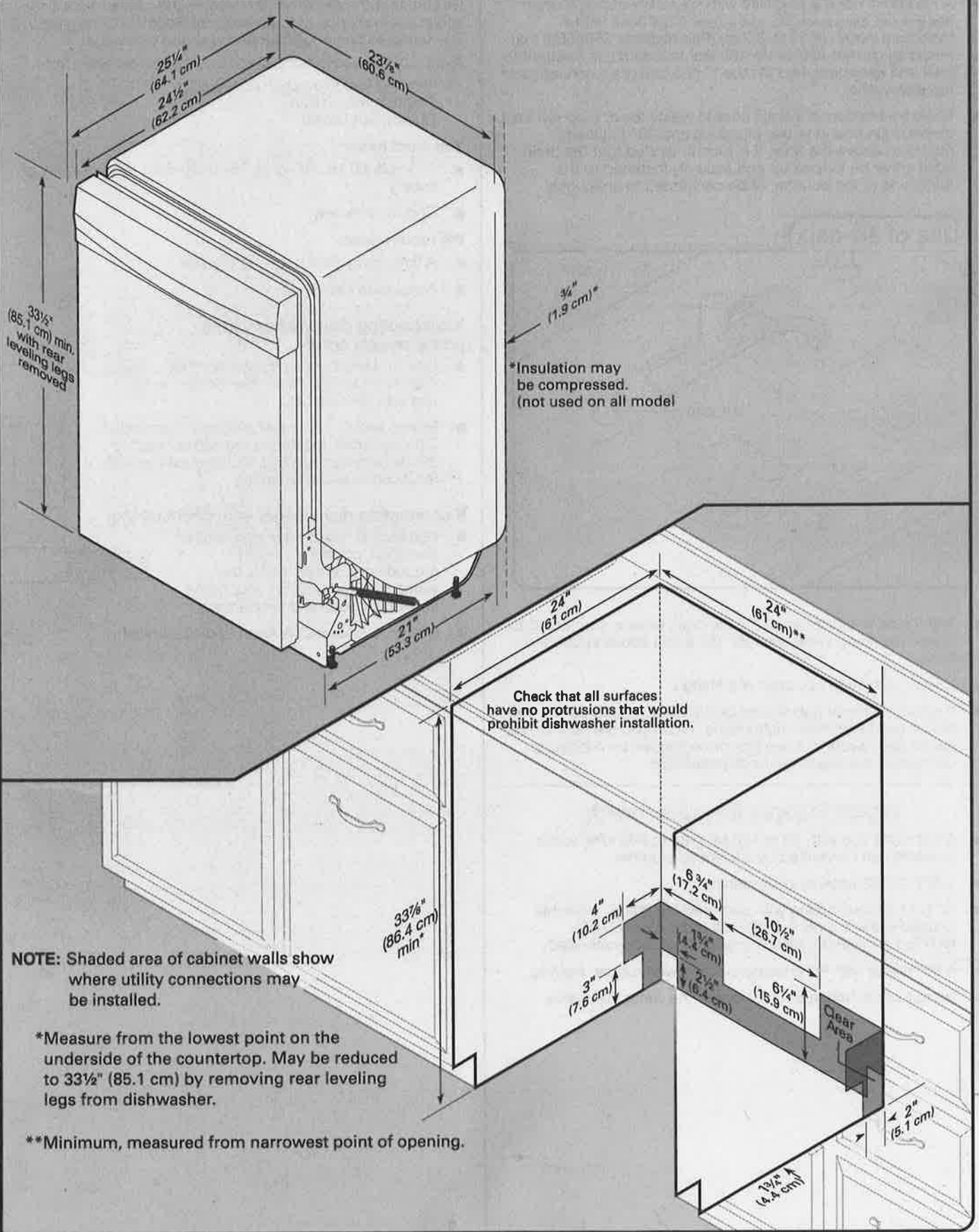
NOTE: To avoid shifting during dishwasher operation, shims must be securely attached to the floor.

If dishwasher will be left unused for a period of time or in a location where it may be subject to freezing, have it winterized by authorized service personnel.

Make sure pipes, wires and drain hose are within the shaded area shown in the "Product and Cabinet Opening Dimensions" section.



Product and Cabinet Opening Dimensions



*Insulation may be compressed. (not used on all model)

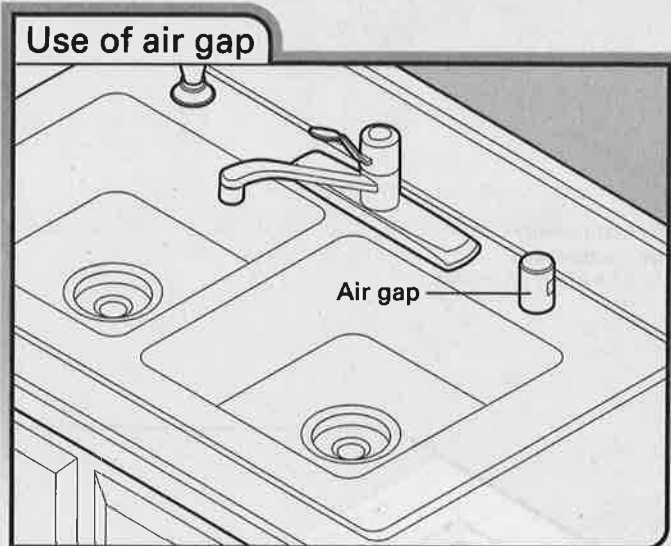
NOTE: Shaded area of cabinet walls show where utility connections may be installed.

*Measure from the lowest point on the underside of the countertop. May be reduced to 33 1/2" (85.1 cm) by removing rear leveling legs from dishwasher.

**Minimum, measured from narrowest point of opening.

Drain Requirements

- A new drain hose is supplied with your dishwasher. If drain hose is not long enough, use a new drain hose with a maximum length of 12 ft (3.7 m) (Part Number 3385556) that meets all current AHAM/IAPMO test standards, is resistant to heat and detergent, and fits the 1" (2.5 cm) drain connector of the dishwasher.
- Make sure to connect drain hose to waste tee or disposer inlet above drain trap in house plumbing and 20" (50.8 cm) minimum above the floor. It is recommended that the drain hose either be looped up and securely fastened to the underside of the counter, or be connected to an air gap.



- Make sure to use an air gap if the drain hose is connected to house plumbing lower than 20" (50.8 cm) above subfloor or floor.
- Use 1/2" minimum I.D. drain line fittings.
- If required, the air gap should be installed in accordance with the air gap installation instructions. When you are connecting the air gap, a rubber hose (not provided) will be needed to connect to the waste tee or disposer inlet.

Water Supply Requirements

- A hot water line with 20 to 120 psi (138 to 862 kPa) water pressure can be verified by a licensed plumber.
- 120°F (49°C) water at dishwasher.
- 3/8" O.D. copper tubing with compression fitting or flexible braided water supply line (Part Number 4396897RP).
NOTE: 1/2" minimum plastic tubing is not recommended.
- A 90° elbow with 3/4" hose connection with rubber washer.
- Do not solder within 6" (15.2 cm) of the water inlet valve.

Electrical Requirements

Be sure that the electrical connection and wire size are adequate and in conformance with the National Electrical Code, ANSI/NFPA 70 - latest edition and all local codes and ordinances.

A copy of the above code standards can be obtained from:

National Fire Protection Association
1 Batterymarch Park
Quincy, MA 02269

You must have:

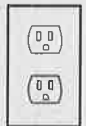
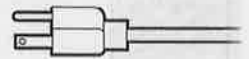
- 120-volt, 60 Hz, AC-only, 15- or 20-amp, fused electrical supply.
- Copper wire only.

We recommend:

- A time-delay fuse or circuit breaker.
- A separate circuit.

If connecting dishwasher with a power supply cord:

- Use UL Listed power supply cord kit (Part Number 4317824) marked for use with dishwasher.
- Power supply cord must plug into a grounded 3 prong outlet, located in the cabinet next to the dishwasher opening. Outlet must meet all local codes and ordinances.



If connecting dishwasher with direct wiring:

- Use flexible, armored or nonmetallic sheathed, copper wire with grounding wire that meets the wiring requirements for your home and local codes and ordinances.
- Use a UL Listed/CSA Approved strain relief.



INSTALLATION INSTRUCTIONS

⚠ WARNING



Electrical Shock Hazard

Disconnect electrical power at the fuse box or circuit breaker box before installing dishwasher.

Failure to do so can result in death or electrical shock.

1 Disconnect power

Disconnect electrical power at the fuse box or circuit breaker box before installing dishwasher.

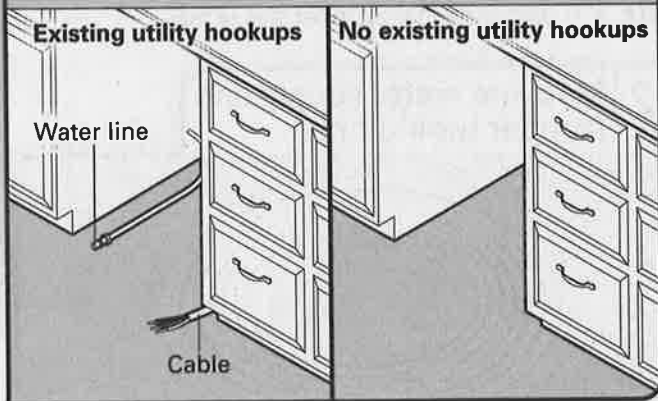
2 Shut off water supply

Shut off the water supply to the dishwasher.

3 Do you already have utility hookups?

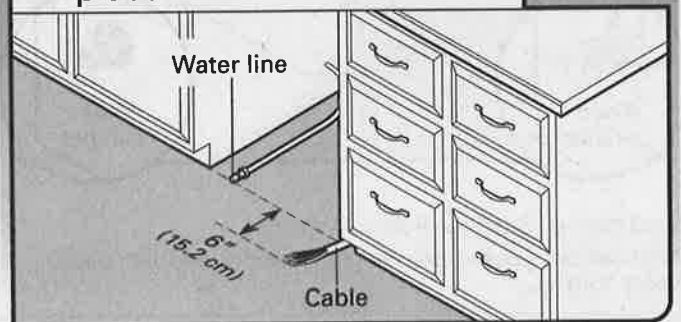
Yes —Follow instructions in the “Prepare Cabinet Opening—Existing Utilities” section.

No —Follow instructions in the “Prepare Cabinet Opening—New Utilities” section.



Prepare Cabinet Opening—Existing Utilities

1 Check water and electrical placement



If the water line and the cable extend to the locations shown, proceed to the “Install Drain Hose” section. If they do not reach far enough, follow the instructions in the “Prepare Cabinet Opening—New Utilities” section.

Prepare Cabinet Opening—New Utilities

Prepare and route the electrical supply

What type of electrical connection will you use?



Power Supply Cord:
Follow Option A instructions

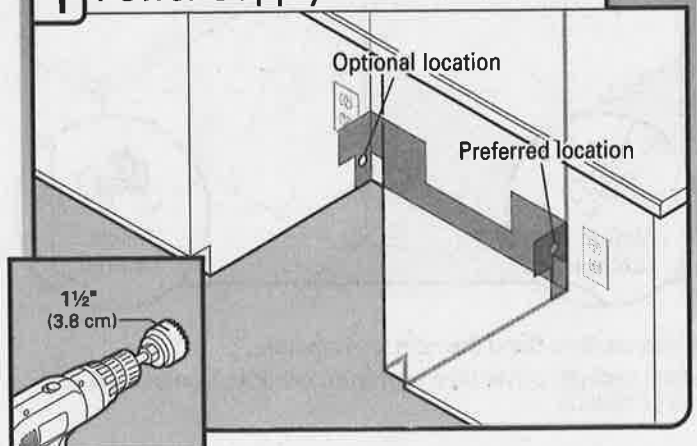


Direct Wire:
Follow Option B instructions

Option A, Power Supply Cord:

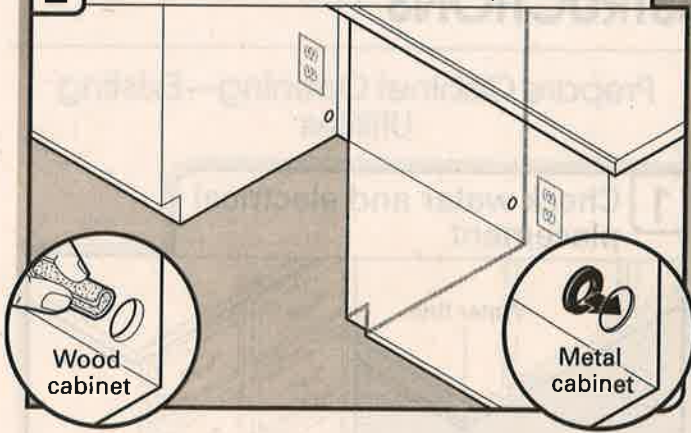
NOTE: A grounded 3 prong outlet is required inside a cabinet next to the dishwasher cabinet opening.

1 Power Supply Cord—Drill hole



Drill a 1½" (3.8 cm) hole in cabinet side or rear.
See “Product and Cabinet Opening Dimensions” section.

2 Power Supply Cord—Prepare hole



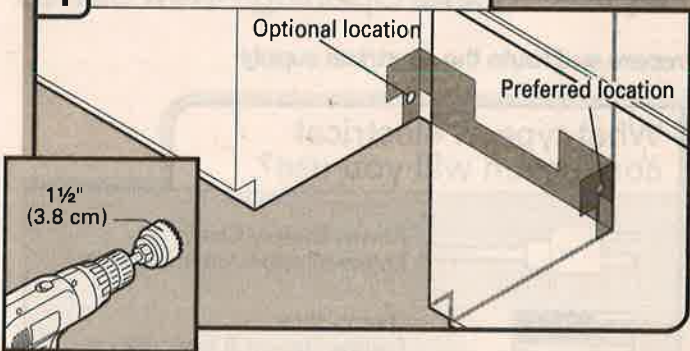
Wood cabinet: Sand the hole until smooth.

Metal cabinet: Cover hole with grommet included with power supply cord kit.

Option B, Direct Wire:

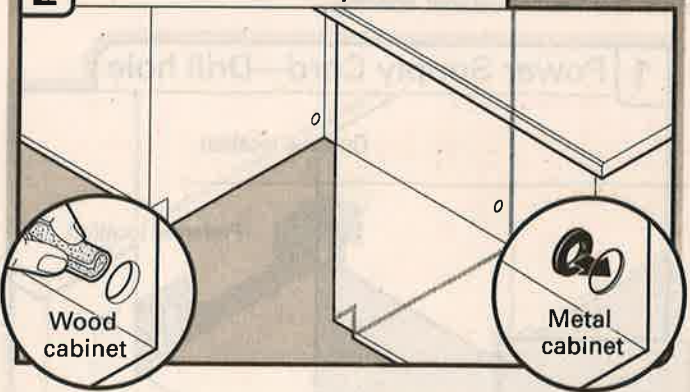
Helpful Tip: Wiring the dishwasher will be easier if you route the cable into the cabinet opening from the right-hand side.

1 Direct Wire — Drill hole



Drill a 1 1/2" (3.8 cm) hole in right-hand cabinet side or rear. See "Product and Cabinet Opening Dimensions" section.

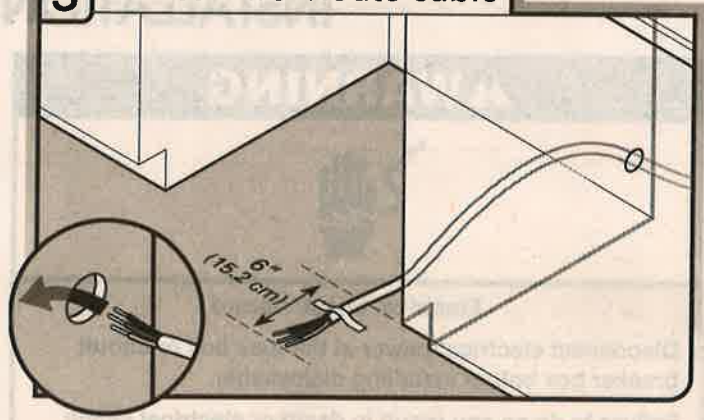
2 Direct Wire—Prepare hole



Wood cabinet: Sand the hole until smooth.

Metal cabinet: Cover hole with grommet (Part Number 302797 - not provided).

3 Direct Wire—Route cable

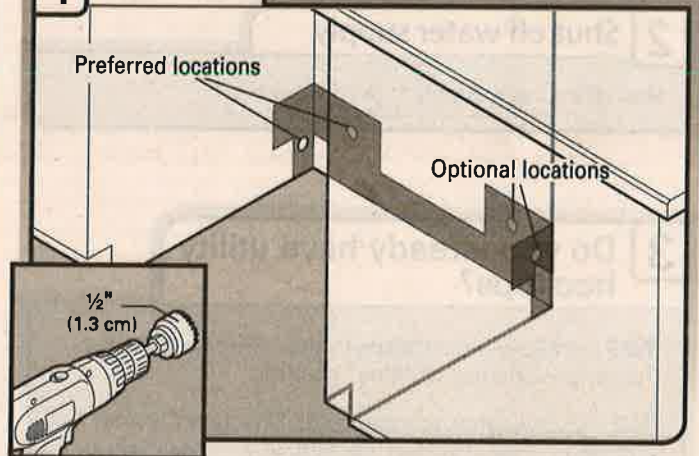


Route cable from power supply through cabinet hole (cable must extend to the right front side of cabinet opening). Tape cable to the floor in area shown. This will prohibit cable from moving when dishwasher is moved into cabinet opening.

Prepare and Route Water Line

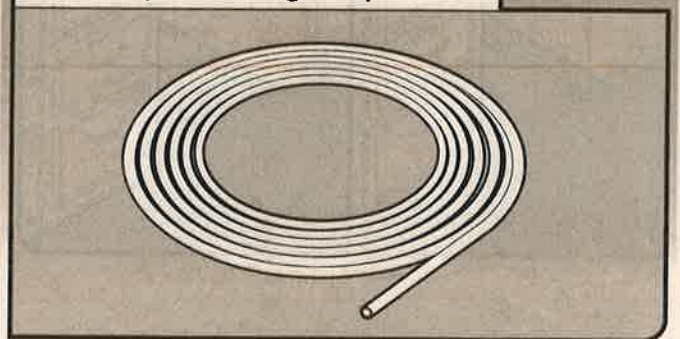
Helpful Tip: Routing the water line through the left side of cabinet opening will make water connection easier.

1 Drill hole



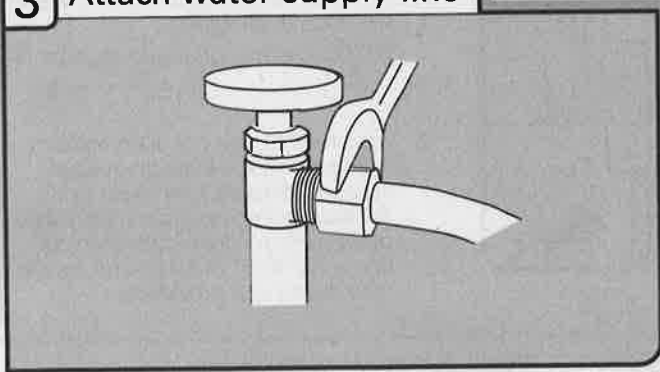
Drill a 1/2" (1.3 cm) hole in the cabinet side or rear.

2 Measure water supply line (copper tubing only)



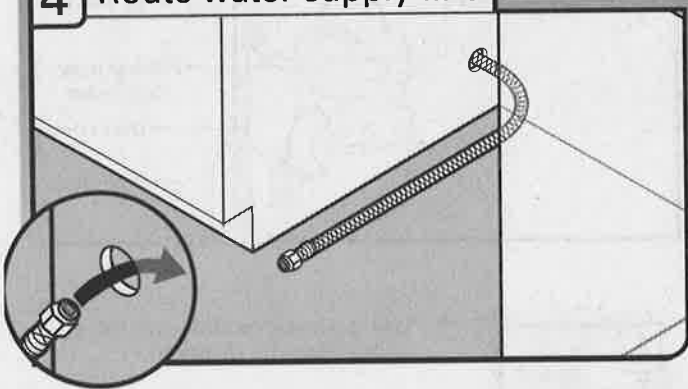
Measure overall length of copper tubing for the water supply line.

3 Attach water supply line



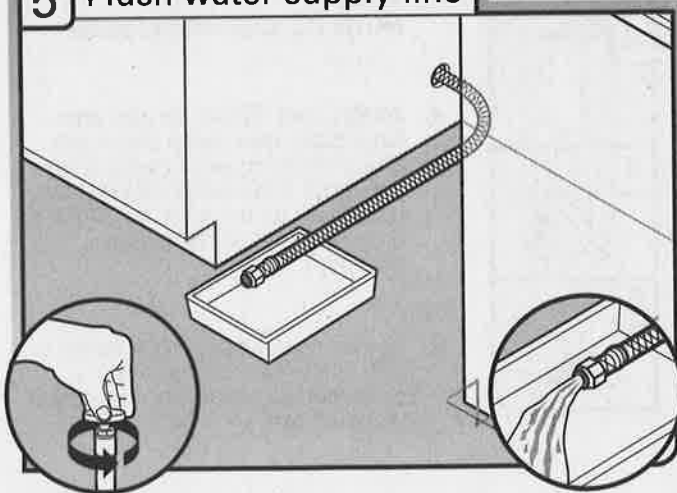
Attach the water supply line (copper tubing or flexible braided line) to the hot water line using a connection configuration that is in compliance with local codes and ordinances. The water supply to the dishwasher should have a manual shutoff valve located under the sink.

4 Route water supply line



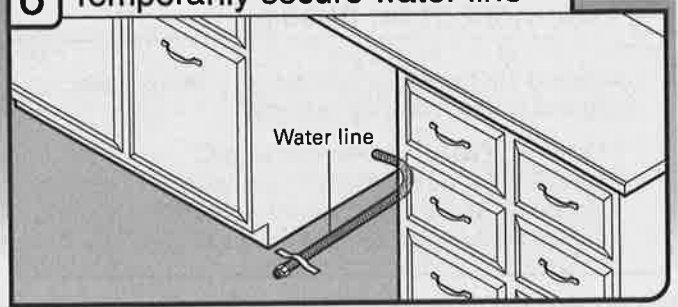
Slowly route water supply line through hole in cabinet. (If you are using copper tubing, it will bend and kink easily, so be gentle.) It should be far enough into the cabinet opening to connect it to the dishwasher inlet on the front left side of the dishwasher.

5 Flush water supply line



Slowly turn water shutoff valve to "ON" position. Flush water into a shallow pan until clear to get rid of particles that could clog the inlet valve. Turn shutoff valve to "OFF" position.

6 Temporarily secure water line

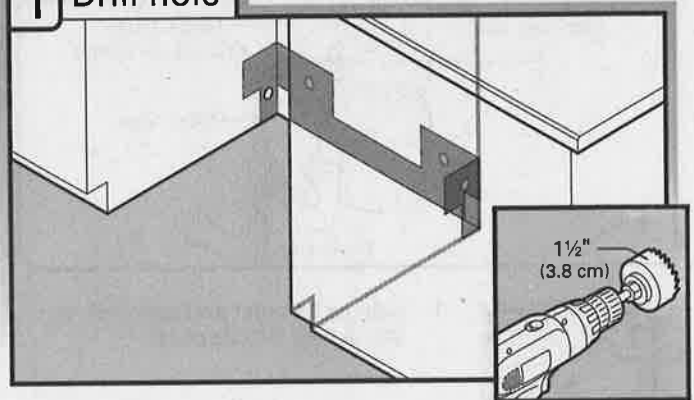


Route water line and tape it to the floor in area shown. This will keep it from moving when dishwasher is moved into cabinet opening.

Install Drain Hose

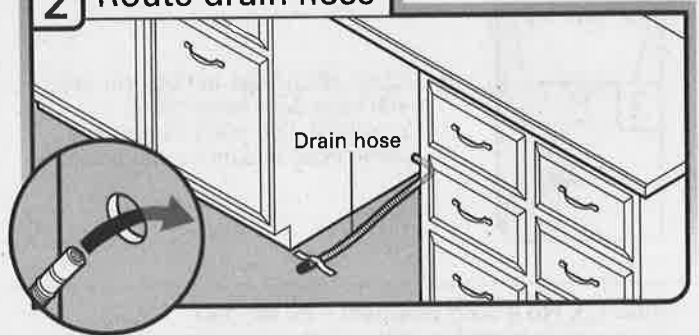
IMPORTANT: Always use a new drain hose. Check local codes to determine whether an air gap is required.

1 Drill hole



If needed, drill a 1 1/2" (3.8 cm) diameter hole in cabinet wall or side of the opening closest to the sink.

2 Route drain hose



Route drain hose as shown through hole in cabinet to the front center of opening where drain connection will be made. Tape drain hose to the floor in area shown. This will prohibit it from moving when dishwasher is moved into cabinet opening.

3 Connect drain hose

Connect drain hose to waste tee or waste disposer using one of the following options:

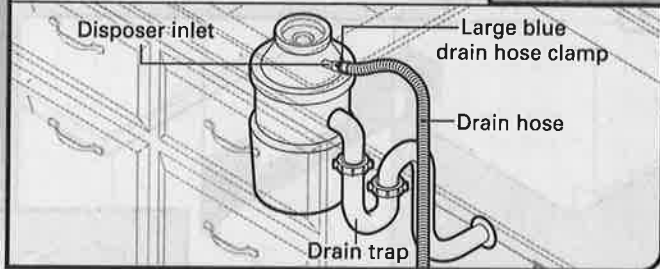
- Option A, Waste disposer – no air gap
- Option B, No waste disposer – no air gap
- Option C, Waste disposer – with air gap
- Option D, No waste disposer – with air gap

IMPORTANT: The drain hose connection of the disposer or a waste tee must be made before the drain trap and at least 20" (50.8 cm) above the floor where the dishwasher will be installed.

Helpful Tip: To reduce vibration of the hose, keep the hose away from the floor.

Option A, Waste disposer – no air gap

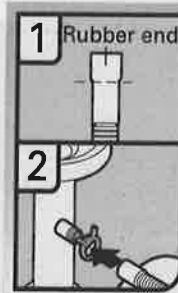
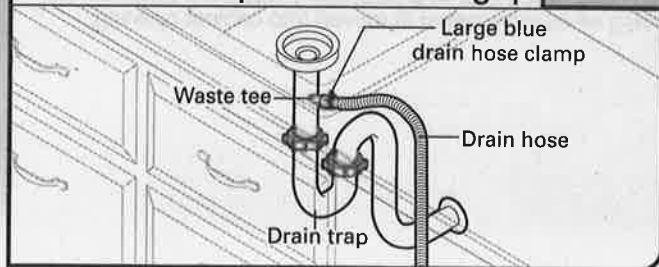
Waste disposer – no air gap



1. Using a hammer and screwdriver, knock plug into disposer.
2. Use needle-nose pliers to remove plug.
3. Attach drain hose to disposer inlet with large drain hose clamp (provided). Use pliers to squeeze clamp open and move into position.

Option B, No waste disposer – no air gap

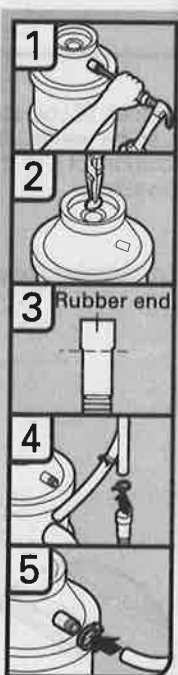
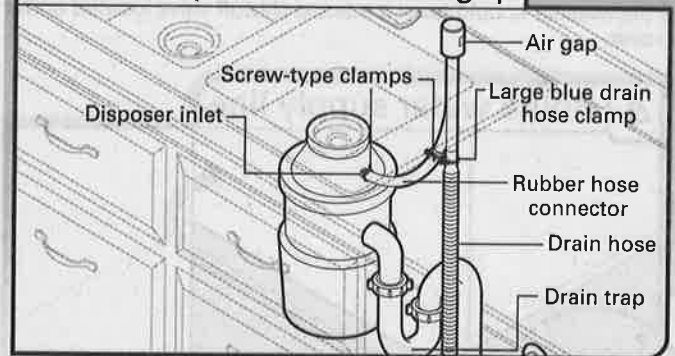
No waste disposer – no air gap



1. Fit rubber end of drain hose to waste tee and cut if needed.
NOTE: Do not cut ribbed section.
2. Attach rubber end of drain hose to waste tee with a large drain hose clamp (provided). Use pliers to squeeze clamp open and move into position. If the drain hose was cut, use a 1½" to 2" (3.8 to 5 cm) screw-type clamp (not provided).

Option C, Waste disposer – with air gap

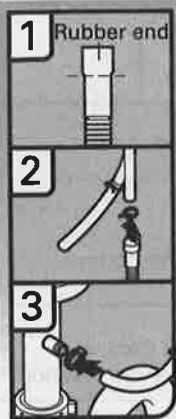
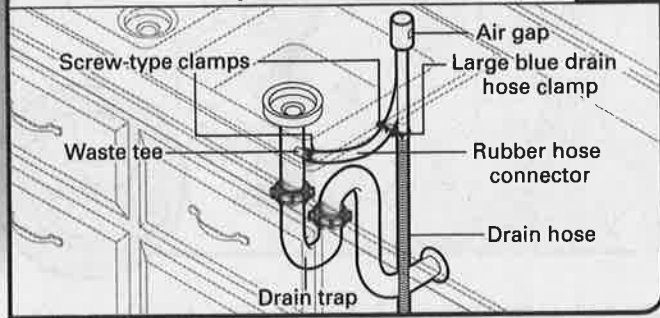
Waste disposer – with air gap



1. Using a hammer and screwdriver, knock plug into disposer.
2. Use needle-nose pliers to remove plug.
3. Connect rubber end of drain hose to air gap and cut if needed.
NOTE: Do not cut ribbed section.
4. Attach drain hose to air gap with large drain hose clamp (provided). Use pliers to squeeze clamp open and move into position. If the drain hose was cut, use a 1½" to 2" (3.8 to 5 cm) screw-type clamp (not provided).
5. Use a rubber hose (not provided) with screw-type clamps (not provided) to connect from air gap to disposer inlet.

Option D, No waste disposer – with air gap

No waste disposer – with air gap



1. Connect rubber end of drain hose to air gap and cut if needed.

NOTE: Do not cut ribbed section.

2. Attach drain hose to air gap with large drain hose clamp (provided). Use pliers to squeeze clamp open and move into position. If the drain hose was cut, use a 1½" to 2" (3.8 to 5 cm) screw-type clamp (not provided).

3. Use a rubber hose (not provided) with screw-type clamps (not provided) to connect from waste tee to air gap.

Prepare Dishwasher

⚠ WARNING



Tip Over Hazard

Do not use dishwasher until completely installed.

Do not push down on open door.

Doing so can result in serious injury or cuts.

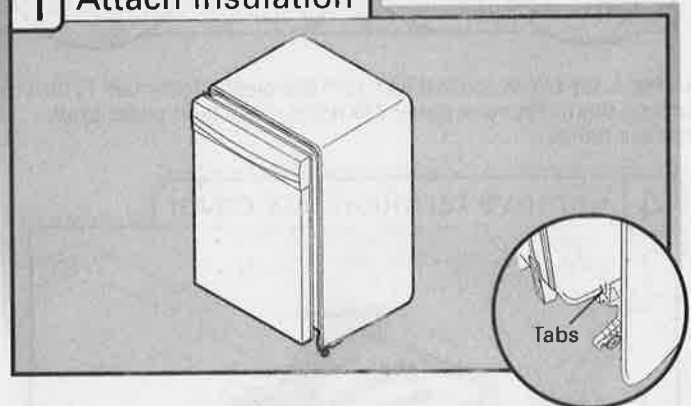
⚠ WARNING

Excessive Weight Hazard

Use two or more people to move and install dishwasher.

Failure to do so can result in back or other injury.

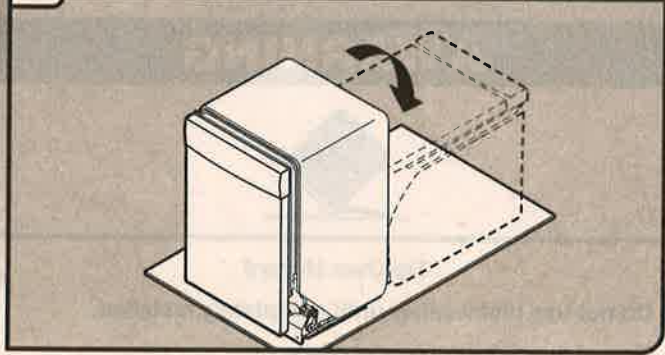
1 Attach insulation



Using the precut slots in the insulation, fasten the insulation over the molded hooks on the tub. Be sure to fasten the insulation down on both sides of the tub.

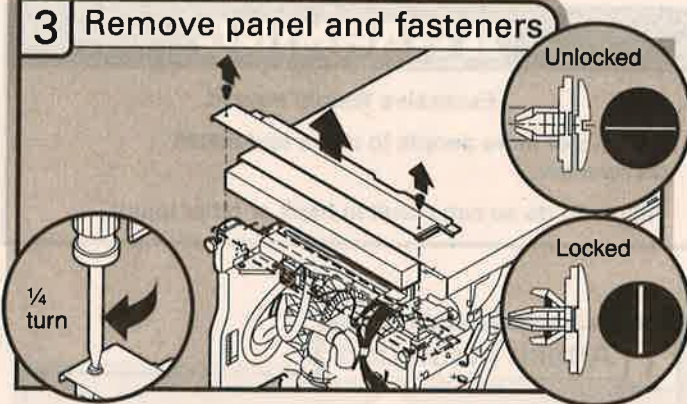
Helpful Tip: Place cardboard under dishwasher until installed in cabinet opening to avoid damaging floor covering. Do not use door panel as a worktable without first covering with a towel to avoid scratching the door panel.

2 Put dishwasher on its back



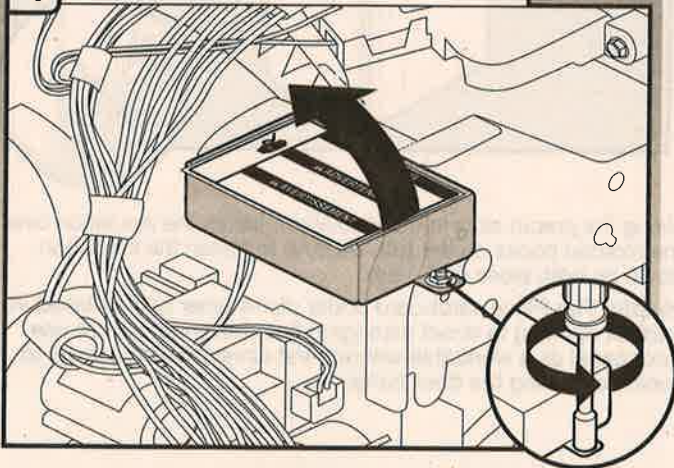
Using 2 or more people, grasp sides of dishwasher door frame and place dishwasher on its back.

3 Remove panel and fasteners



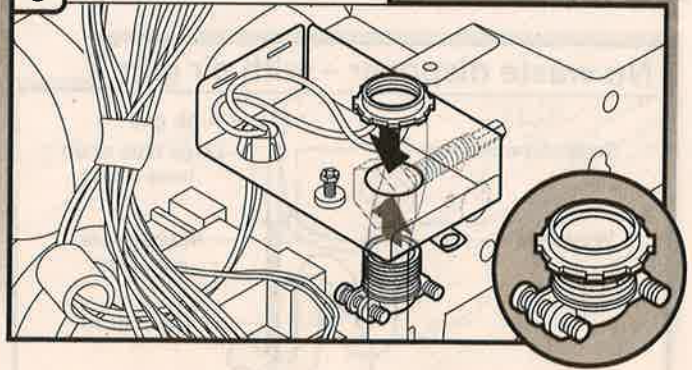
Using a flat-blade screwdriver, turn the plastic fasteners $\frac{1}{4}$ turn to unlock them. Remove panel. Do not remove tech sheet from access panel.

4 Remove terminal box cover



Using a $\frac{1}{4}$ " hex head socket, nut driver or Torx® T20® screwdriver, remove terminal box cover. Retain for later use.

5 Install strain relief



Install a UL Listed/CSA Approved strain relief. Make sure screw heads are facing to the left when tightening conduit nut. Strain relief is provided with the power supply cord kit.

What type of electrical connection will you use?



Power Supply Cord:
Follow Option A instructions



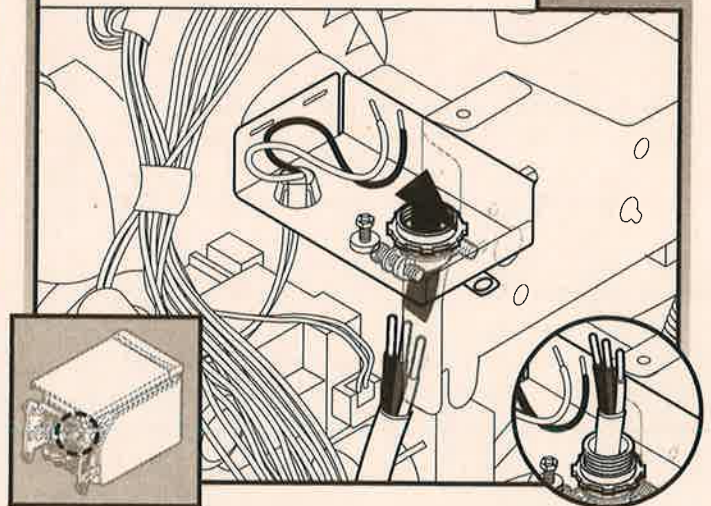
Direct Wire:
Follow Option B instructions

NOTE: If using Option B, proceed to "Determine Cabinet Opening," to continue with the installation of your dishwasher.

Make Power Supply Cord Connection

Option A, Power Supply Cord:

1 Power Cord—Route cord into terminal box



Route cord so that it does not touch dishwasher motor to lower part of dishwasher tub. Pull cord through strain relief in terminal box.

Select UL Listed/CSA Approved twist-on wire connectors rated to connect your power supply cord to 16-gauge dishwasher wiring.

⚠ WARNING



Electrical Shock Hazard

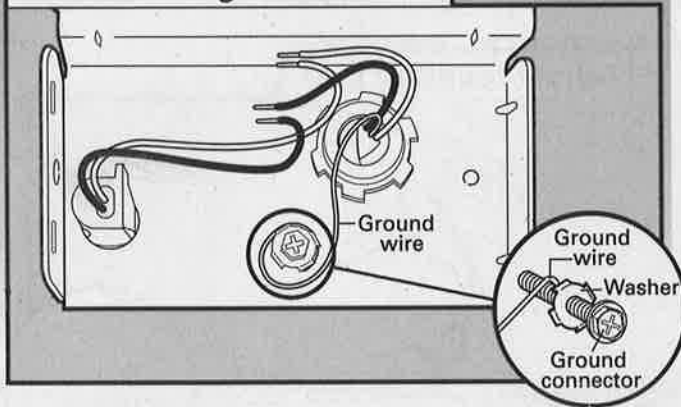
Electrically ground dishwasher.

Connect ground wire to green ground connector in terminal box.

Do not use an extension cord.

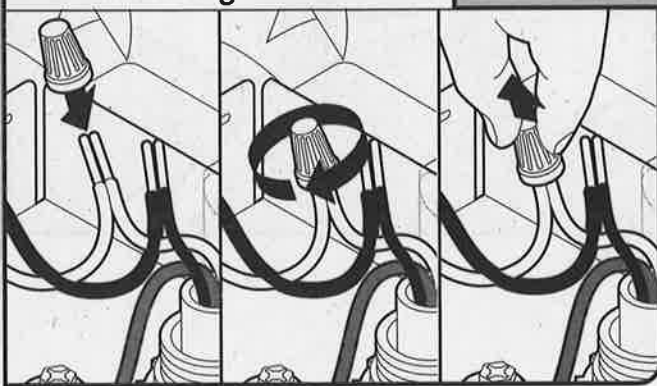
Failure to follow these instructions can result in death, fire, or electrical shock.

2 Power Supply Cord—Connect ground wire



Remove the green grounding screw and place through the ring terminal of the green ground wire. Reattach and tighten the green screw.

3 Power Cord—Connect remaining wires



NOTE: Do not pre-twist stranded wire. Twist on wire connector. Gently tug on wires to be sure both are secured.

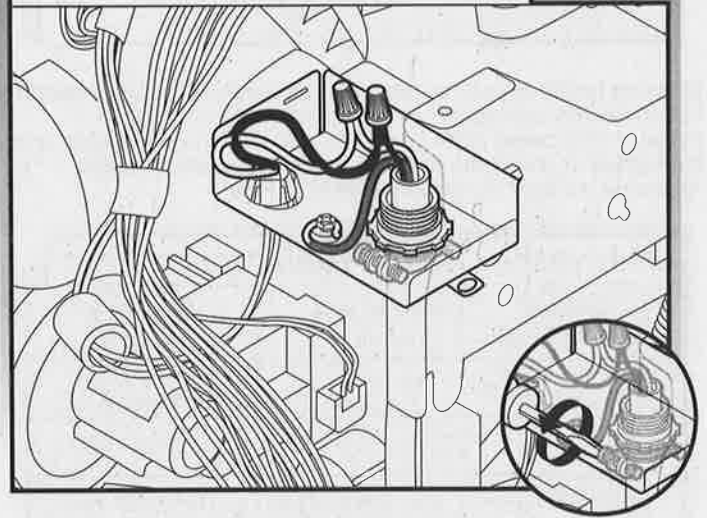
Connect wires black to black and white to white, using UL Listed/CSA Approved twist-on wire connectors.

Wiring configuration

Power supply wire:		Terminal box wire:
white	← →	white
black	← →	black
ground wire	← →	ground connector

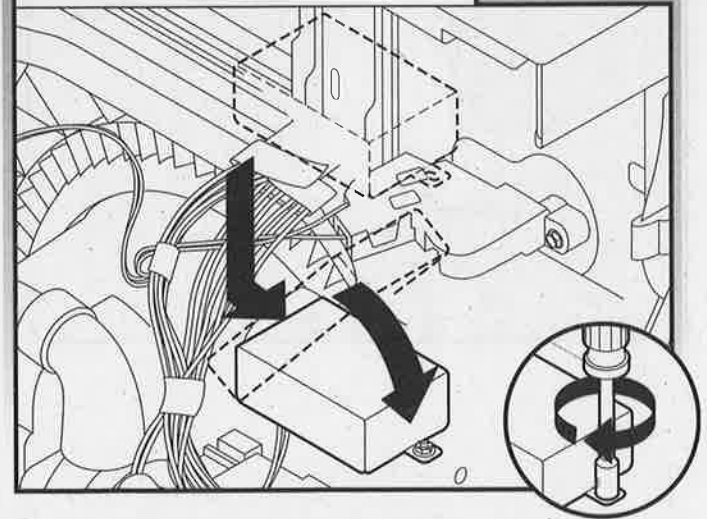
If needed, see website for animated representation of this step. Visit www.whirlpool.com/electrical under FAQ tab.

4 Power Cord—Secure cord on strain relief



Tighten strain relief screws to secure cord.

5 Power Cord—Reinstall terminal box cover



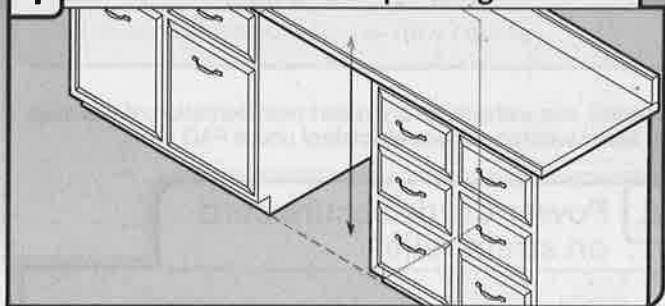
Place wires inside terminal box. Insert tabs on left side of cover. Make sure wires are tucked inside box. Close cover ensuring wires are not pinched. Use 1/4" nut driver or Torx® T20® screwdriver and previously removed screw to secure cover.

NOTE: Do not plug into outlet until instructed to do so.

Determine Cabinet Opening

Your dishwasher has leveling legs. The following provides instructions to adjust the leveling legs to set the dishwasher to the correct height for your cabinet opening.

1 Measure cabinet opening

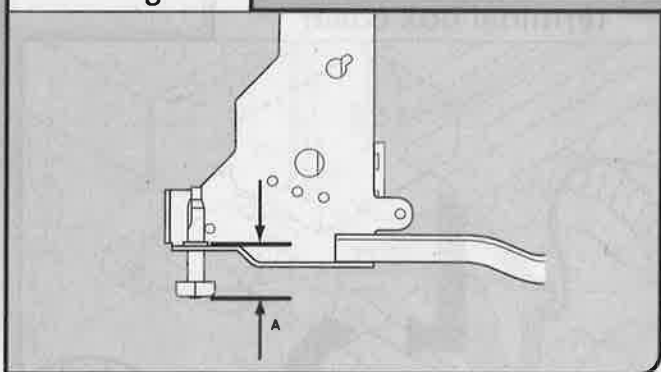


Measure height of cabinet opening from underside of countertop to floor where dishwasher will be installed (you will need to measure the lowest point on the underside of the countertop and the highest point on the floor). Refer to "Dishwasher Height Adjustment Chart" to adjust the leveling legs.

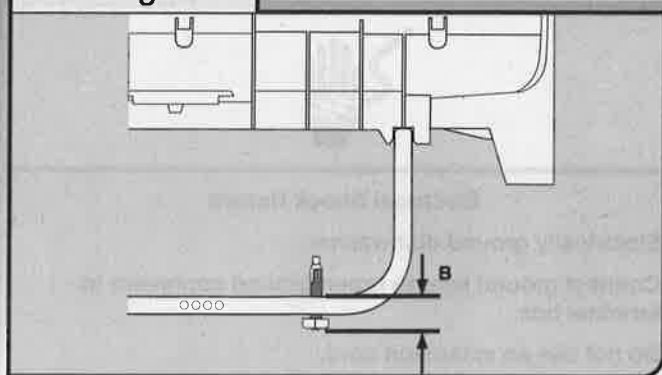
Dishwasher Height Adjustment Chart

Cabinet opening height	Front legs height A	Rear legs height B
33½" (85.1 mm)	¾" (9.8 mm)	remove legs and spacers
34" (86.4 cm)	7⁄8" (22 mm)	1" (25.4 mm)
34½" (87.6 cm)	1⅛" (28.8 mm)	1¼" (31.3 mm)

Front legs - A



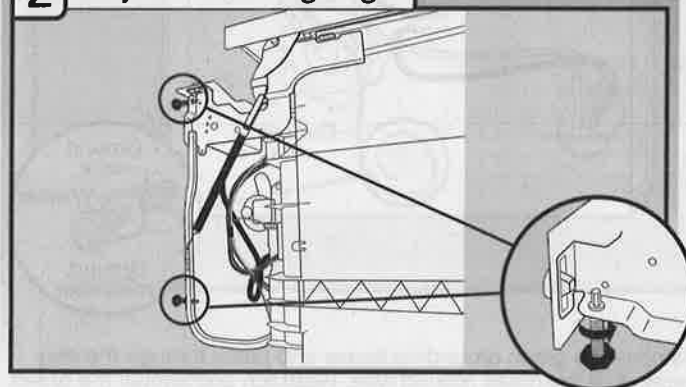
Rear legs - B



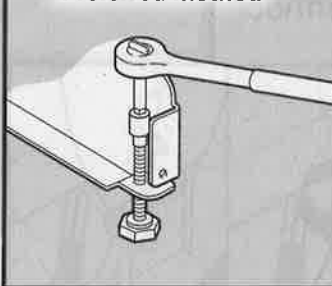
NOTE: If the minimum cabinet opening height is less than 33⅞" (86 cm), the rear leveling legs and spacers can be removed for additional clearance. This will allow the dishwasher to fit into a 33½" (85.1 cm) high cabinet opening, but the dishwasher will be more difficult to move. (Measurements are approximate. Rear and front leveling legs are preset at the factory for 34½" [87.6 cm].)

Turn front and rear leveling legs to the same height. Refer to "Dishwasher Height Adjustment Chart."

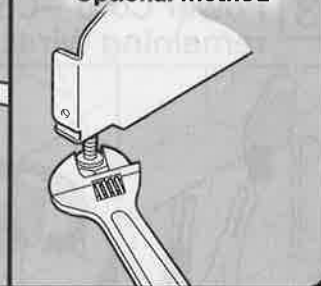
2 Adjust leveling legs



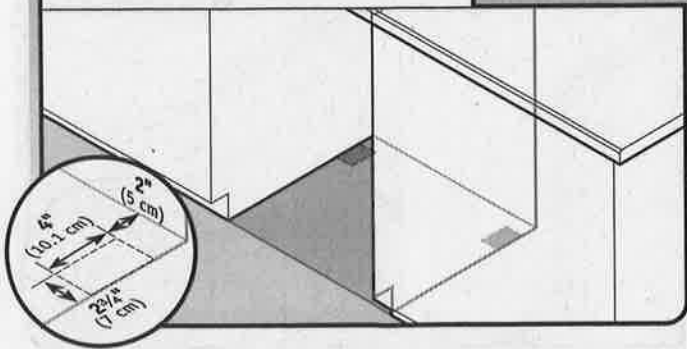
Preferred method



Optional method



3 Built-up Floors—Add shims as needed



Built-up floors: If the kitchen floor is higher than the cabinet opening's floor - for example, the kitchen floor tile does not extend into the cabinet opening - add shims as needed in the area shown to bring the dishwasher up to 33½" (85.1 cm) below the countertop.

NOTE: Shims must be securely attached to floor to avoid movement when the dishwasher is in use.

Choose Attachment Option

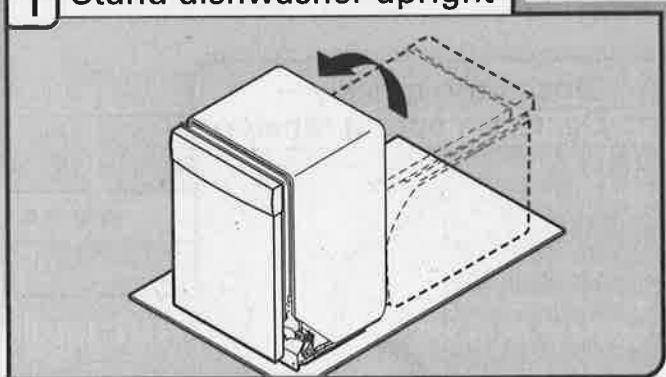
⚠ WARNING

Excessive Weight Hazard

Use two or more people to move and install dishwasher.

Failure to do so can result in back or other injury.

1 Stand dishwasher upright

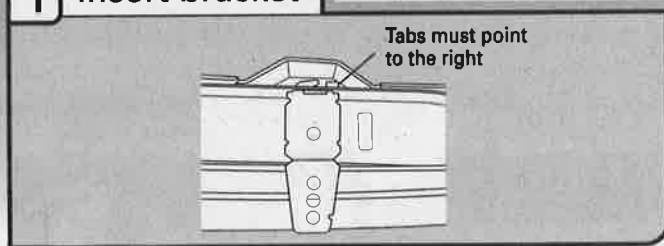


Using 2 or more people, stand the dishwasher up.

IMPORTANT: The dishwasher must be secured to the cabinet. There are two brackets found in the parts bag. Attach the brackets using Option Number 1 if the countertop is wood, laminate or another similar surface. If your countertop is marble, granite or another hard surface, install using Option Number 2.

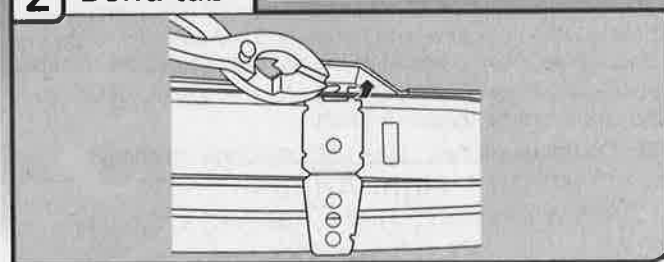
Option 1, Countertop Attachment

1 Insert bracket



Remove the brackets from the package and insert into the open slots on the left and right-hand top of the dishwasher collar as shown.

2 Bend tab



Using a pair of pliers, bend the tab down to secure the bracket in place. Repeat this step for the other side.

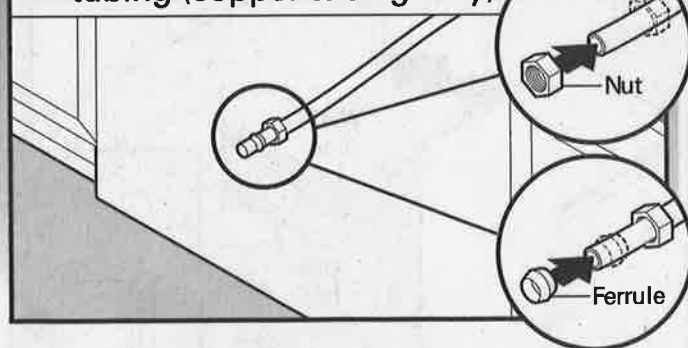
NOTE: Do not attach the dishwasher. This will be done later.

Option 2, Side Attachment

For marble, granite, or other hard surface countertops
Order Mounting Bracket Kit Part Number 8212560.

Prepare Water Supply Line

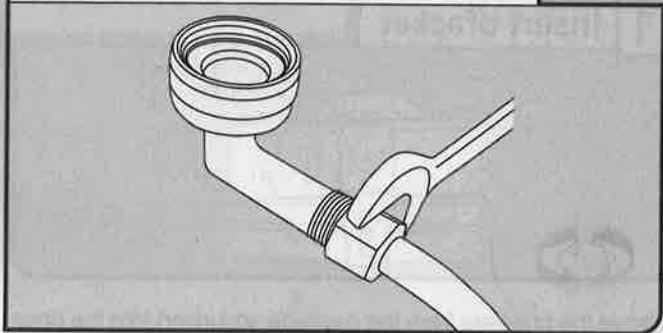
1 Slide nut and ferrule onto tubing (copper tubing only)



Copper tubing only: Slide nut, then ferrule, about 1" (2.5 cm) onto copper tubing.

NOTE: To avoid vibration during operation, route the water supply line so that it does not touch the dishwasher base, frame or motor.

2 Add 90° elbow fitting to the water supply line



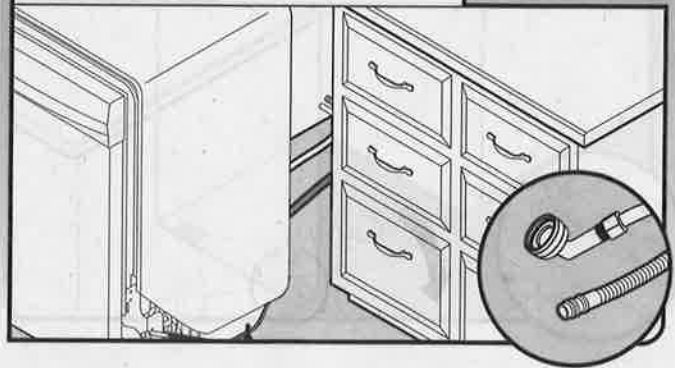
Connect the 3/8" compression fitting to the water supply line prior to installing the unit into the cabinet opening. Attach such that the 3/4" connection is facing upward as shown above.

Copper tubing only: Put the tubing into the 90° elbow fitting as far as it will go (the copper tubing bends and kinks easily). Slide the nut and ferrule forward and start the nut onto the elbow threads.

Flexible braided connection: Secure nut to elbow using 3/8" open ended wrench or adjustable wrench.

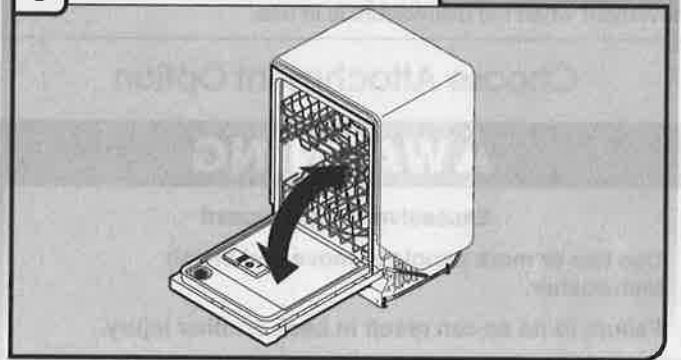
NOTE: Do not use Teflon[®] tape with compression fittings.

2 Check water and drain hose position



Check that water line is on the left side of opening and drain hose is near the center of the cabinet opening.

3 Open and close door



With another person holding the dishwasher to keep it from tipping, open and close the door a few times. If the door closes or falls open under its own weight, the door tension will need to be adjusted.

Move Dishwasher Close to Cabinet Opening

⚠ WARNING

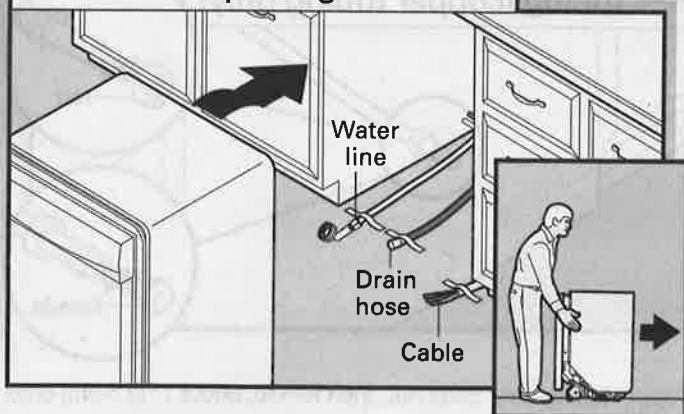
Excessive Weight Hazard

Use two or more people to move and install dishwasher.

Failure to do so can result in back or other injury.

NOTE: Do not install kick plate until instructed to do so.

1 Move dishwasher close to cabinet opening



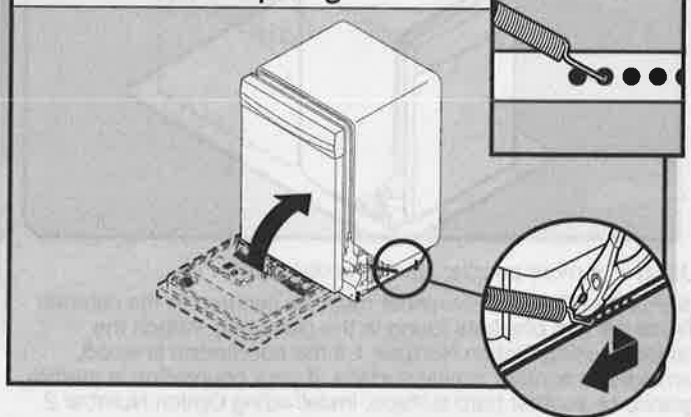
IMPORTANT: Double-check correct placement of utilities. Grasp the sides of the dishwasher at the edges of the door panel. Move dishwasher close to cabinet opening.

NOTE: Do not push on the front of the panel or on the console. Panel or console may dent.

Helpful Tip: Temporarily tape utilities to the floor in the locations shown to prohibit them from moving when dishwasher is moved into the cabinet opening.

†®TEFLON is a registered trademark of E.I. Du Pont De Nemours and Company.

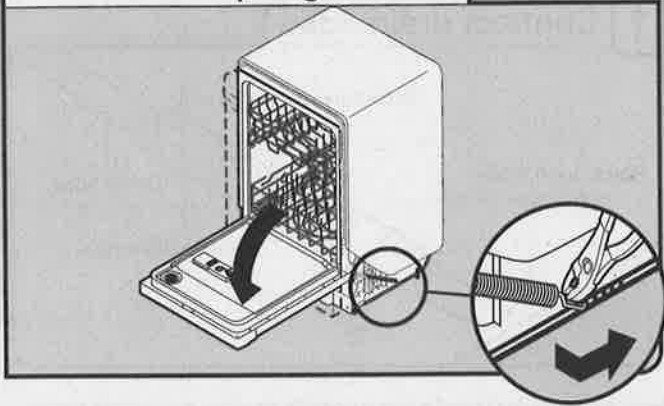
4 Closes too quickly—
Decrease spring tension



If the door closes too quickly, decrease the spring tension by moving the spring end toward the front of the dishwasher.

NOTE: Springs should be in the same notches on left and right sides.

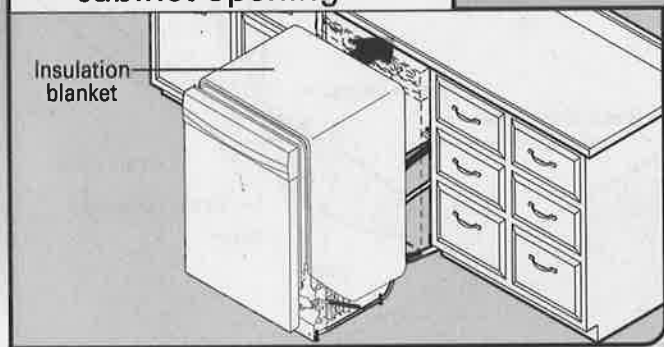
5 Door falls open— Increase spring tension



If the door falls open, increase the spring tension by moving the spring end toward the back of the dishwasher.

NOTE: Springs should be in the same notches on left and right sides.

6 Move dishwasher into cabinet opening

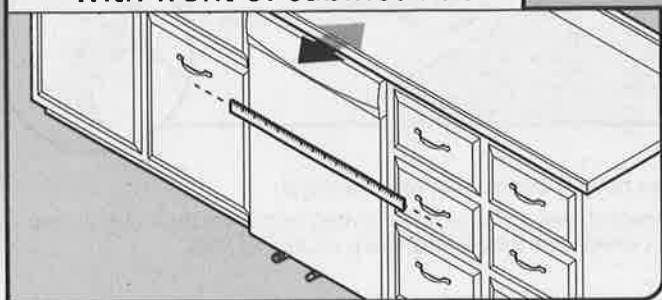


IMPORTANT: If rear leveling legs and spacers were removed, cover the floor when moving the dishwasher to avoid damage to the floor. Slowly move dishwasher completely into cabinet opening. Do not kink or pinch water line, drain hose, power supply cord or direct wire between dishwasher and cabinet. Remove cardboard from under dishwasher.

NOTES:

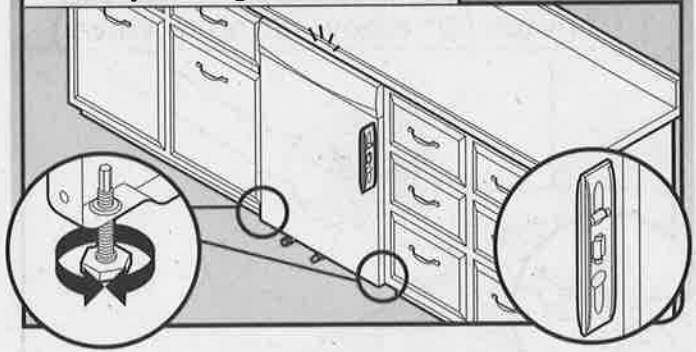
- It is all right if dishwasher fits tightly into cabinet opening. Do not remove insulation blanket – the blanket reduces the sound level.
- If using power cord, make sure to route end through hole in cutout before sliding dishwasher into cabinet opening.

7 Align front of dishwasher with front of cabinet doors



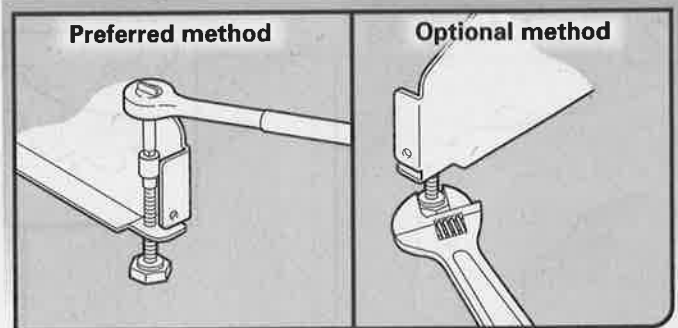
Align front of dishwasher door panel with front of cabinet doors. You may need to adjust alignment to be even with your cabinets.

8 Check for plumb and adjust legs if needed

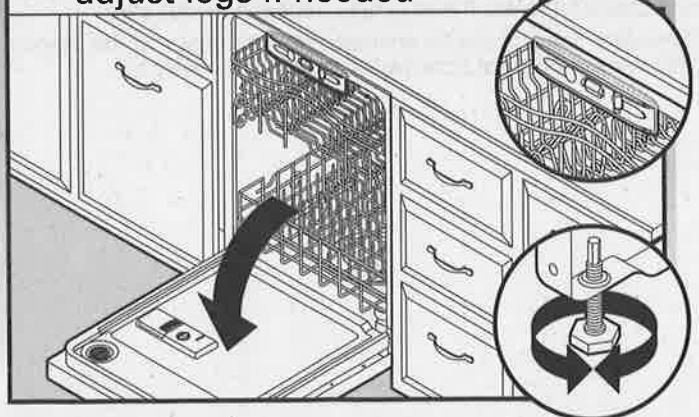


Check that leveling legs are firmly against the floor. Close and latch the door, and place level against the front panel. Check that dishwasher is centered from front to back in the opening. If needed, adjust leveling leg until dishwasher is plumb. Repeat for other side of dishwasher.

Helpful Tip: Push up on front of dishwasher to raise dishwasher off the ground to adjust front legs. With some installations, it may be easier to adjust the front leg using the $\frac{3}{16}$ " hex head socket or adjustable wrench.



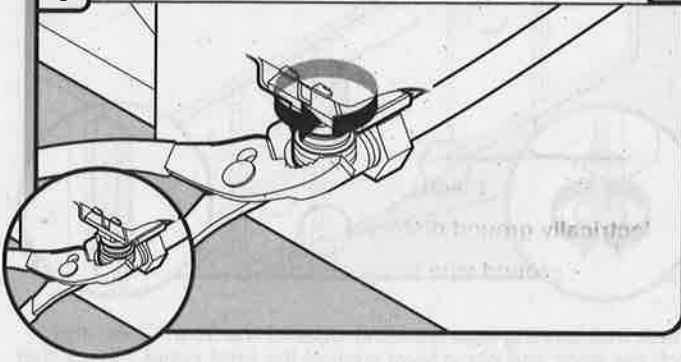
9 Check level side-to-side and adjust legs if needed



Place level against top front opening of tub. Check that dishwasher is level from side-to-side. If dishwasher is not level, adjust front legs up or down until dishwasher is level. Close the dishwasher door.

Connect to Water Supply

1 Tighten 90° elbow fitting to valve

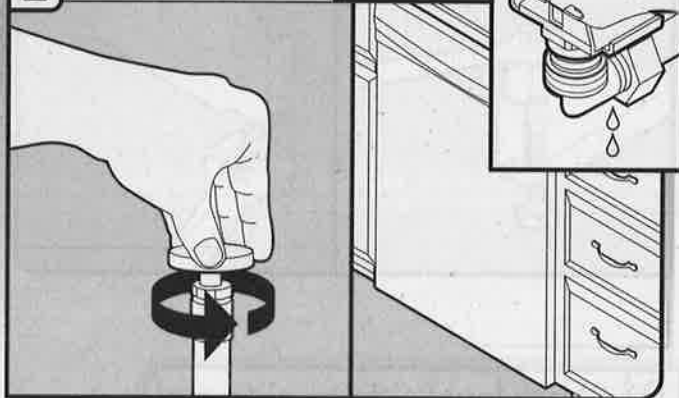


Be sure rubber washer is properly seated in fitting. Slide the $\frac{3}{4}$ " fitting up to the valve and hand tighten to avoid cross-threading. Hand tighten until the coupling is tight.

Using pliers, check the tightness of the coupling. An additional $\frac{1}{4}$ to $\frac{1}{2}$ turn may be required to seal the rubber gasket.

NOTE: Do not overtighten. Damage to the coupling can result.

2 Check for leaks

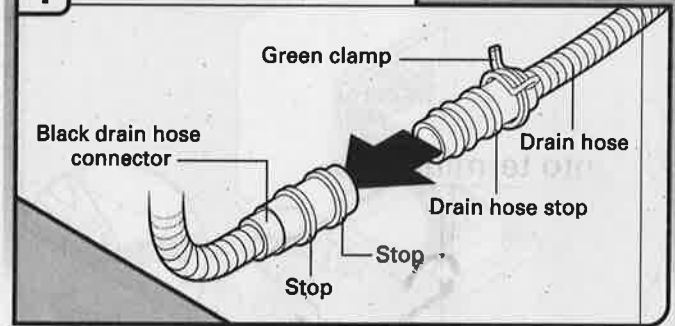


Place paper towel under 90° elbow fitting. Turn on water supply and check for leaks. If leak occurs, repeat previous step.

If needed, see website for animated representation of this step. Visit www.whirlpool.com/watersupply under FAQ tab.

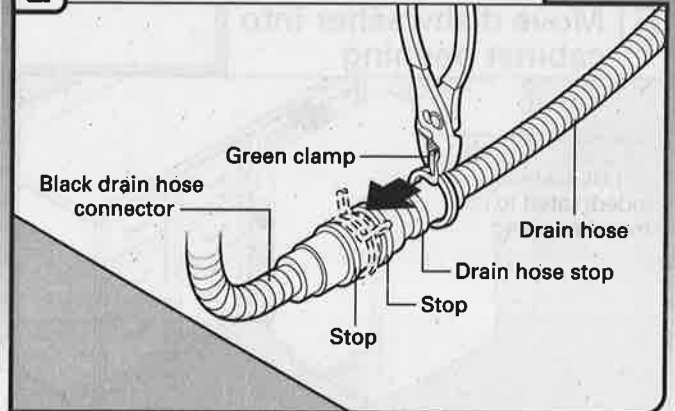
Connect to Drain

1 Connect drain hose



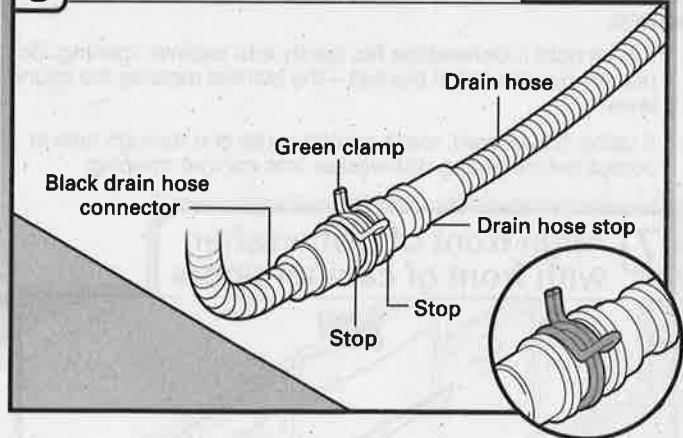
Place towel under drain hose to catch any water in drain hose. Place the small drain hose clamp onto the small end of the drain hose. Push the new drain hose into the black drain hose connector up to the drain hose stop.

2 Slide clamp onto connector



Using pliers, squeeze open the small drain hose clamp and slide onto connector between stops.

3 Hose clamp final position



After hose is connected, remove towel.

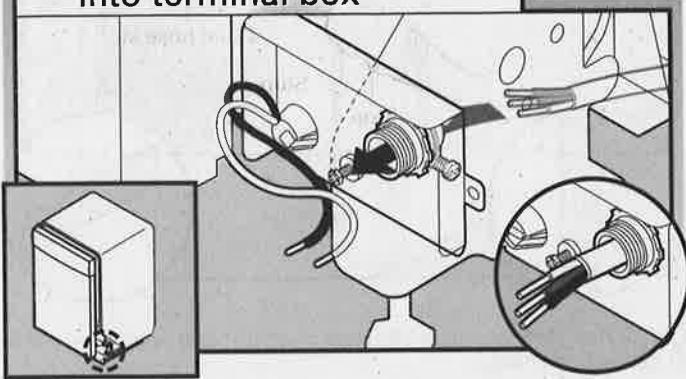
If needed, see website for animated representation of this step. Visit www.whirlpool.com/drain under FAQ tab.

Make Direct Wire Electrical Connection

NOTE: If the power supply cord was connected earlier, proceed to "Secure Dishwasher in Cabinet Opening" section.

Option B, Direct Wire:

1 Direct Wire—Route cable into terminal box



Route cable so that it does not touch dishwasher motor or lower part of dishwasher tub. Pull cable through UL Listed/CSA Approved strain relief in terminal box. Strain relief is not supplied with the dishwasher. Owner must purchase a $\frac{3}{8}$ " screw-in type strain relief.

Select UL Listed/CSA Approved twist-on wire connectors (not included) rated to connect your household wiring to 16-gauge dishwasher wiring.

⚠ WARNING



Electrical Shock Hazard

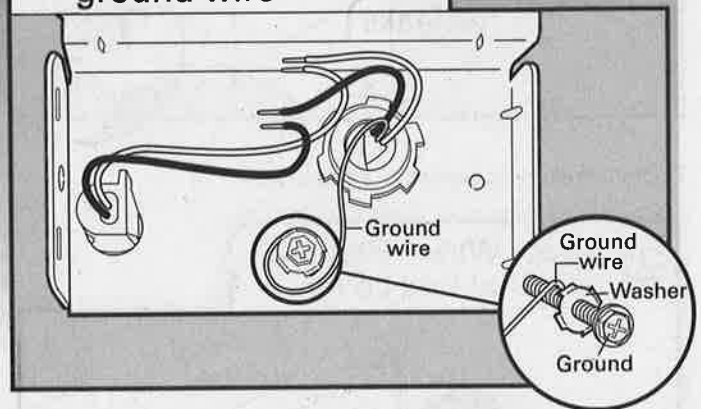
Electrically ground dishwasher.

Connect ground wire to green ground connector in terminal box.

Do not use an extension cord.

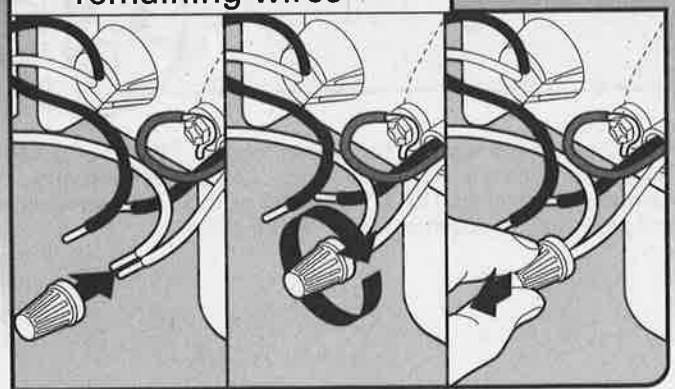
Failure to follow these instructions can result in death, fire, or electrical shock.

2 Direct Wire—Connect ground wire



Form bare ground wire into a U-shaped hook. Wrap ground wire hook clockwise around ground connector screw and under the washer. Securely tighten ground connector screw.

3 Direct Wire—Connect remaining wires



NOTE: Do not pre-twist stranded wire. Twist on UL listed/CSA approved wire connector. Gently tug on wires to be sure both are secured.

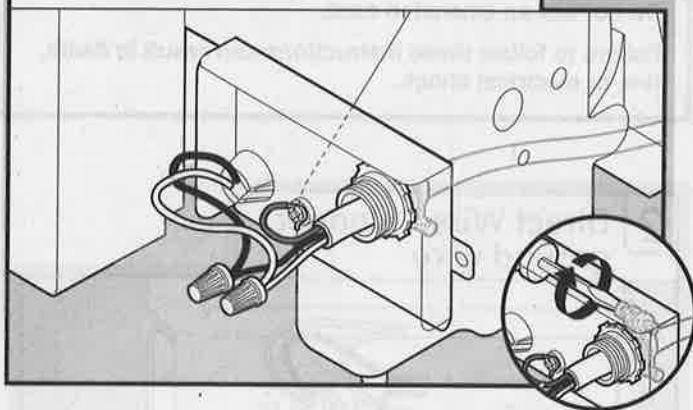
Connect wires black to black and white to white, using UL Listed/CSA Approved twist-on wire connectors (not included).

Wiring configuration

Power supply wire:	Terminal box wire:
white ← → white	
black ← → black	
ground wire ← → ground connector	

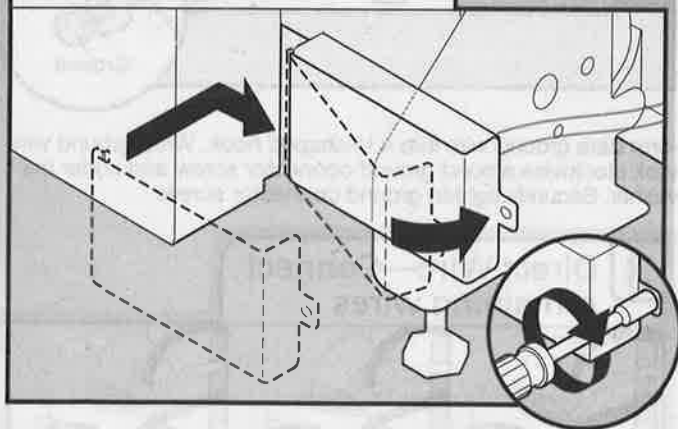
If needed, see website for animated representation of this step. Visit www.whirlpool.com/electrical under FAQ tab.

4 Direct Wire—Secure cable in strain relief



Tighten strain relief screws to secure cable.

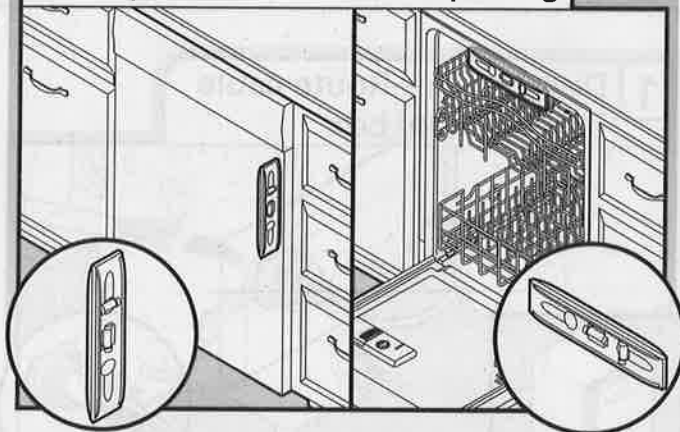
5 Direct Wire—Reinstall terminal box cover



Place wires inside terminal box. Insert tabs on left side of cover. Make sure wires are tucked inside box. Close cover ensuring wires are not pinched. Use 1/4" nut driver or Torx® T20® screwdriver and previously removed screw to secure cover.

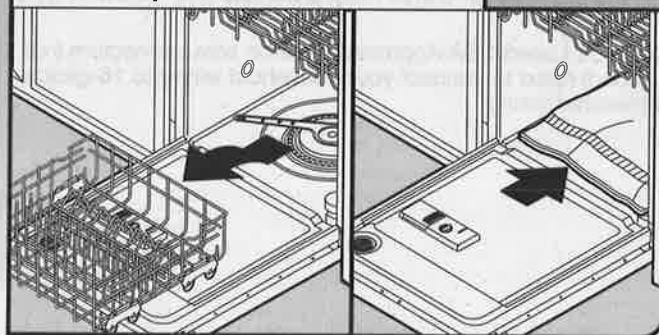
Secure Dishwasher in Cabinet Opening

1 Double-check dishwasher alignment in cabinet opening



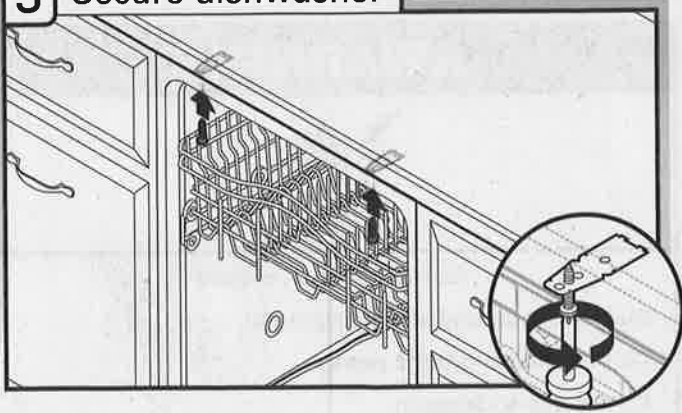
Check that dishwasher is still level front-to-back and side-to-side in cabinet opening.

2 Remove lower dish rack and place towel



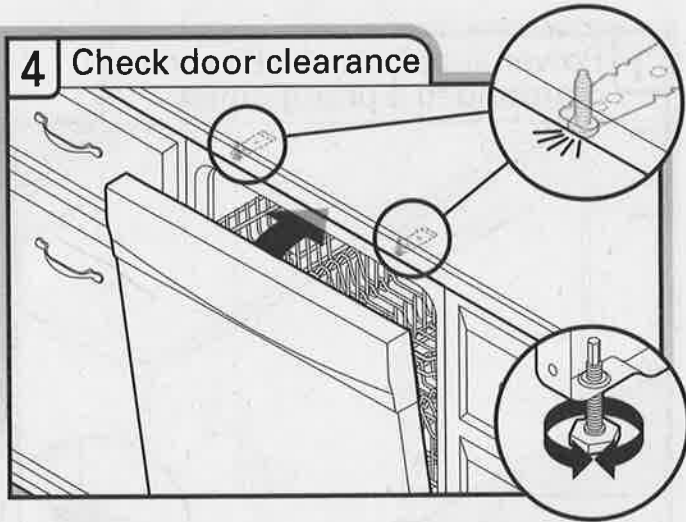
Open dishwasher door, remove lower dish rack, and place towel over pump assembly and lower spray arm of dishwasher. This will keep screws from falling into pump area when you are securing the dishwasher.

3 Secure dishwasher



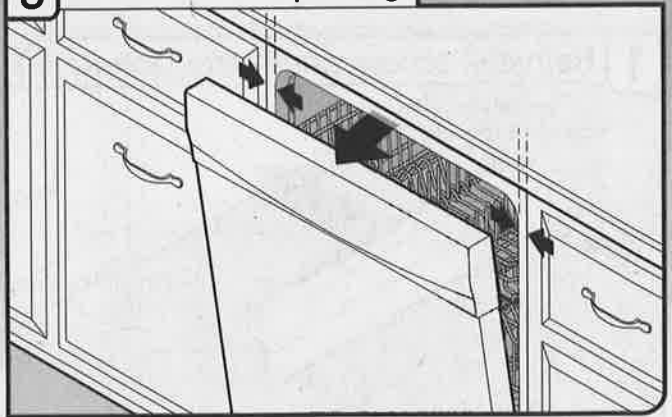
NOTE: Do not drop screws into bottom of dishwasher. Locate brackets on top of dishwasher and secure dishwasher to countertop with two, #10 x 1/2" Phillips-head screws (included). The dishwasher must be secured to keep it from shifting when door is opened.

4 Check door clearance



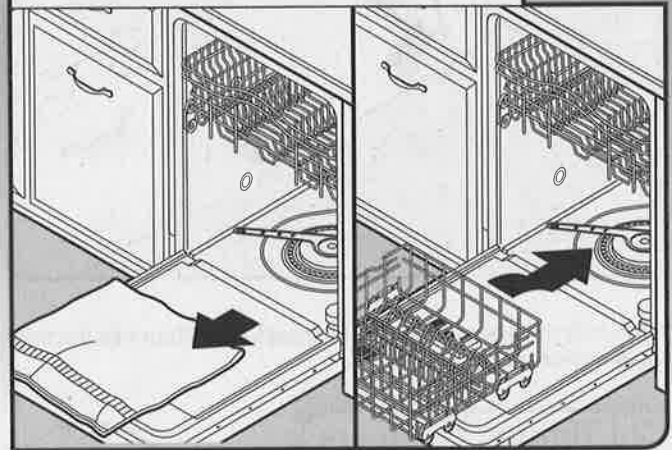
Check that top of door does not contact screws, brackets or countertop. If it does, adjust leveling legs.

5 Check inner spacing



Open door and check that space between dishwasher cabinet opening and tub is equal on both sides. If spacing is not equal, loosen bracket screws secured and shift tub. Tighten bracket screws.

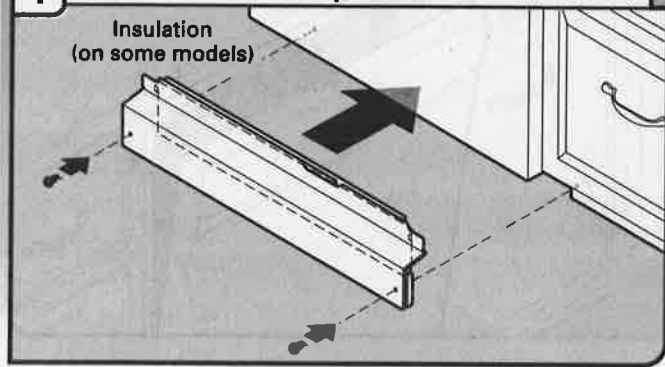
6 Remove towel and replace lower dishwasher rack



Remove towel from dishwasher. Reinstall the lower dish rack. If needed, see website for animated representation of this step. Visit www.whirlpool.com/anchoring under FAQ tab.

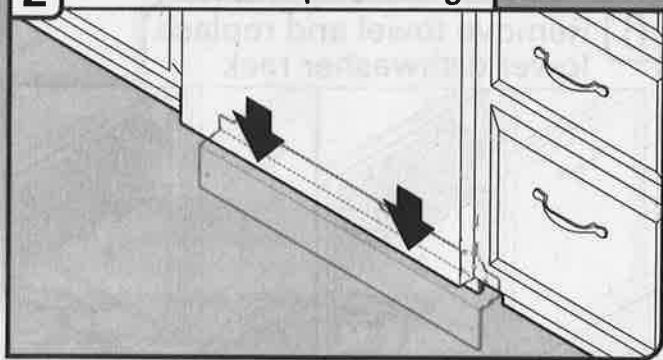
Complete Installation

1 Reinstall access panel and fasteners



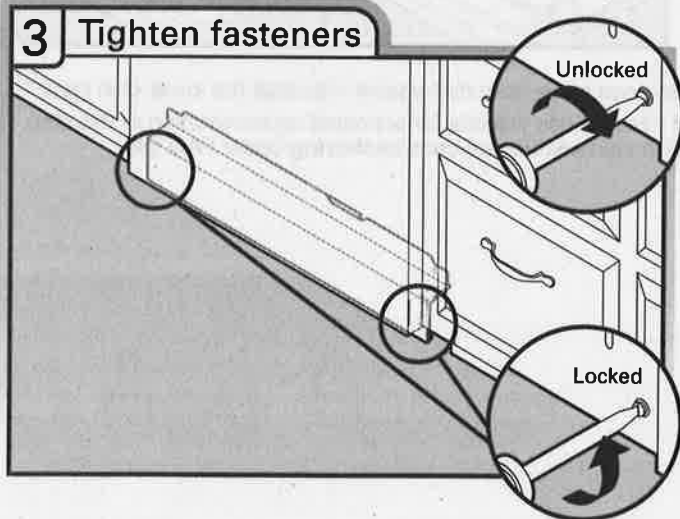
Place the plastic access panel against the dishwasher leg.

2 Check access panel edge



Check that the lower edge of the access panel touches the floor. Adjust if necessary.

3 Tighten fasteners



Using a flat-blade screwdriver, turn the fasteners $\frac{1}{4}$ turn to lock into place. The fasteners slot will be straight up and down when properly locked.

⚠ WARNING



Electrical Shock Hazard

Plug into a grounded 3 prong outlet.

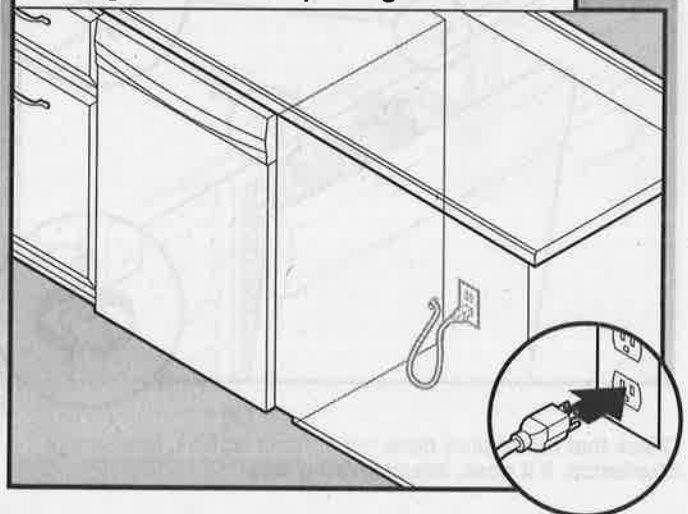
Do not remove ground prong.

Do not use an adapter.

Do not use an extension cord.

Failure to follow these instructions can result in death, fire, or electrical shock.

1 Power supply cord—Plug into a grounded 3 prong outlet



Plug into a grounded 3 prong outlet. Check that power supply cord does not touch dishwasher motor or lower part of dishwasher tub.

Reconnect Power

1 Reconnect power

Reconnect electrical power at the fuse box or circuit breaker box.

Check Operation

- Read the Dishwasher User Instructions that came with your dishwasher.
- Check that all parts have been installed and no steps were skipped. Check that you have all tools used.
- Start dishwasher and allow it to complete the shortest wash cycle. After the first 2 minutes, unlatch door, wait 5 seconds, then open door. Check that there is water in the bottom of the dishwasher tub. Check that dishwasher is working properly.

If the dishwasher is not working properly, disconnect power or unplug dishwasher and see "If Dishwasher Does Not Operate" section.

If Dishwasher Does Not Operate

First try the solutions suggested here to possibly avoid the cost of a service call.

- Has the circuit breaker tripped or the house fuse blown?
- Is the door closed tightly and latched?
- Has the cycle been set correctly to start the dishwasher?
- Is the water turned on?

If none of these possible solutions work, please see the Use and Care Guide for service contact information.

Additional Tips

Expect longer wash times. Your new dishwasher will average 2-3 hours per load, but use nearly 40% less energy than older models. Designed with a low wattage, low energy consumption motor, your dishwasher washes longer to ensure exceptional cleaning. Certain models are equipped with an optical water sensor so the first cycle will run longer to calibrate to optical sensor. Selecting certain options could increase cycle time past 3.5 hours.

Rinse aid should be used for good drying results:

For models with rinse aid dispensers, use rinse aid for good drying performance and controlling buildup of hard water deposits. Energy efficient dishwashers use less water and energy, so they depend on the water sheeting action of rinse aid for good drying performance.

Start/Resume light may flash:

When pressing Start/Resume, you must make sure the door is closed within 3 seconds. If you do not close the door within 3 seconds, the Start/Resume light will flash until you press it again. (You must also do this when adding a dish during the middle of a cycle.)

NOTE: If a braided supply hose is used, replace inlet hose after 5 years to reduce the risk of hose failure. Record hose installation or replacement dates on the hose for future reference.

TABLE DES MATIÈRES

SÉCURITÉ DU LAVE-VAISSELLE	24	INSTRUCTIONS D'INSTALLATION (SUITE)	
EXIGENCES D'INSTALLATION	25	Raccordement du cordon d'alimentation	35
Outils et pièces	25	Évaluation de l'ouverture d'encastrement du placard	36
Exigences d'emplacement	26	Choix de l'option de fixation	37
Exigences d'évacuation	28	Préparation de la canalisation d'alimentation en eau	38
Spécifications de l'alimentation en eau	28	Insertion du lave-vaisselle dans l'ouverture d'encastrement du placard	39
Spécifications électriques	28	Raccordement à l'alimentation en eau	41
INSTRUCTIONS D'INSTALLATION	29	Raccordement au circuit d'évacuation	41
Préparation de l'ouverture d'encastrement du placard – Moyens deraccordement pré-existants	29	Raccordement électrique direct	42
Préparation de l'ouverture d'encastrement du placard – Nouveaux moyens de raccordement	29	Fixation du lave-vaisselle dans l'ouverture d'encastrement du placard	43
Préparation et acheminement de la canalisation d'eau	31	Achever l'installation	45
Installation du tuyau d'évacuation	32	Contrôle du fonctionnement	46
Préparation du lave-vaisselle	34	Si le lave-vaisselle ne fonctionne pas	46
		Conseils supplémentaires	46

SÉCURITÉ DU LAVE-VAISSELLE

Votre sécurité et celle des autres est très importante.

Nous donnons de nombreux messages de sécurité importants dans ce manuel et sur votre appareil ménager. Assurez-vous de toujours lire tous les messages de sécurité et de vous y conformer.



Voici le symbole d'alerte de sécurité.

Ce symbole d'alerte de sécurité vous signale les dangers potentiels de décès et de blessures graves à vous et à d'autres.

Tous les messages de sécurité suivront le symbole d'alerte de sécurité et le mot "DANGER" ou "AVERTISSEMENT". Ces mots signifient :

⚠ DANGER

Risque possible de décès ou de blessure grave si vous ne suivez pas immédiatement les instructions.

⚠ AVERTISSEMENT

Risque possible de décès ou de blessure grave si vous ne suivez pas les instructions.

Tous les messages de sécurité vous diront quel est le danger potentiel et vous disent comment réduire le risque de blessure et ce qui peut se produire en cas de non-respect des instructions.

⚠ AVERTISSEMENT



Risque de basculement

Ne pas utiliser le lave-vaisselle jusqu'à ce qu'il soit complètement installé.

Ne pas appuyer sur la porte ouverte.

Le non-respect de ces instructions peut causer des blessures graves ou des coupures.

Il faut :

- Ouvrir lentement la porte du lave-vaisselle tandis qu'une autre personne saisit l'arrière de l'appareil. Retirer les matériaux d'expédition, le tuyau d'évacuation et le panier inférieur. Fermer la porte du lave-vaisselle; elle doit s'enclencher.
- Respecter les dispositions de tous les codes et règlements en vigueur.
- Installer le lave-vaisselle conformément aux présentes instructions.
- L'installation doit être exécutée par un technicien qualifié. Le lave-vaisselle doit être installé conformément aux dispositions de tous les codes et règlements locaux et nationaux régissant les installations de plomberie et d'électricité.

L'installation ou le retrait de l'appareil doit se faire avec précaution afin de réduire le risque d'endommagement du cordon d'alimentation.

AVERTISSEMENT : Afin de réduire le risque d'incendie, de choc électrique ou de blessures corporelles, l'installateur doit s'assurer que le lave-vaisselle est complètement encastré au moment de l'installation.



LEARN MORE

In an effort to conserve natural resources, this dishwasher includes a condensed User Guide. A complete Owner's Manual (Use and Care Guide) can be downloaded at: www.whirlpool.com/manuals. The model number is located on a label in the tub along the left outer edge.

Register your dishwasher at www.whirlpool.com.

Para una versión de estas instrucciones en español, visite www.Whirlpool.com.

Your safety and the safety of others are very important.

We have provided many important safety messages in this manual and on your appliance. Always read and obey all safety messages.



This is the safety alert symbol.

This symbol alerts you to potential hazards that can kill or hurt you and others.

All safety messages will follow the safety alert symbol and either the word "DANGER" or "WARNING."

These words mean:

⚠ DANGER

You can be killed or seriously injured if you don't immediately follow instructions.

⚠ WARNING

You can be killed or seriously injured if you don't follow instructions.

All safety messages will tell you what the potential hazard is, tell you how to reduce the chance of injury, and tell you what can happen if the instructions are not followed.

IMPORTANT SAFETY INSTRUCTIONS

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

- Read all instructions before using the dishwasher.
- Use the dishwasher only for its intended function.
- Use only detergents or rinse agents recommended for use in a dishwasher, and keep them out of the reach of children.
- When loading items to be washed:
 - 1) Locate sharp items so that they are not likely to damage the door seal; and
 - 2) Load sharp knives with the handles up to reduce the risk of cut-type injuries.
- Do not wash plastic items unless they are marked "dishwasher safe" or the equivalent. For plastic items not so marked, check the manufacturer's recommendations.
- Do not touch the heating element during or immediately after use.
- Do not operate the dishwasher unless all enclosure panels are properly in place.
- Do not tamper with controls.
- Do not abuse, sit on, or stand on the door, lid, or dish racks of the dishwasher.
- To reduce the risk of injury, do not allow children to play in or on the dishwasher.
- 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, before using the dishwasher 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 time.
- Remove the door or lid to the washing compartment when removing an old dishwasher from service or discarding it.

SAVE THESE INSTRUCTIONS

State of California Proposition 65 Warnings:

WARNING: This product contains one or more chemicals known to the State of California to cause cancer.

WARNING: This product contains one or more chemicals known to the State of California to cause birth defects or other reproductive harm.

WARNING

Tip Over Hazard

- Do not use dishwasher until completely installed.
- Do not push down on open door.
- Doing so can result in serious injury or cuts.

GROUNDING INSTRUCTIONS

■ For a grounded, cord-connected dishwasher:

The dishwasher 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. The dishwasher 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 equipment-grounding conductor can result in a risk of electric shock.

Check with a qualified electrician or service representative if you are in doubt whether the dishwasher is properly grounded. Do not modify the plug provided with the dishwasher; if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

■ For a permanently connected dishwasher:

The dishwasher must be connected to a grounded metal, permanent wiring system, or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the dishwasher.

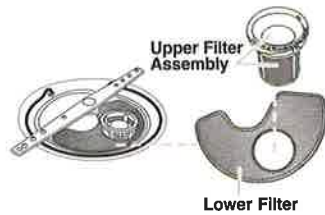
SAVE THESE INSTRUCTIONS

KEY USAGE TIPS

Filtration system

Your dishwasher has the latest technology in dishwasher filtration. This filtration system minimizes sound and optimizes water and energy conservation while providing superior cleaning.

The filter system consists of two parts, an upper filter assembly and lower filter.



IMPORTANT: To avoid damage to dishwasher, do not operate your dishwasher without filters properly installed. Be sure lower filter is securely in place and upper filter assembly is locked into place. If upper assembly turns freely, it is not locked into place.

Filter maintenance

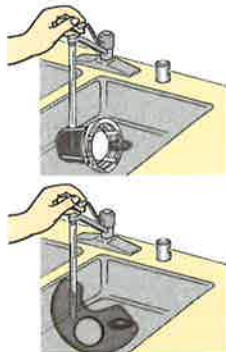
The filters may need to be cleaned when:

- Visible objects or soils are on upper filter assembly.
- Dishes feel gritty to the touch.

See "Filtration System" in full User Guide for complete removal and maintenance schedule.

IMPORTANT: Do not use wire brush, scouring pad, etc., as they may damage the filters.

Rinse filter under running water until soils are removed. If you have hard to remove soils or calcium deposits from hard water, a soft brush may be required.



Drying - Rinse Aid is essential.

You must use a drying agent such as a rinse aid for good drying performance. Rinse aid along with the Heat Dry option will provide best drying and avoid excessive moisture in dishwasher interior.



Energy efficiency

Energy efficiency is gained by extending cycle time and reducing the amount of wattage and water used during your dishwasher's cycle. For exceptional cleaning, cycles are longer due to the soak and pauses. Several models contain an optical water sensor used to determine water and energy consumption for great cleaning performance.

Efficient dishwashers run longer to save water and energy, just as driving a car slower saves on gas. Your first cycle will run longer to calibrate the optical water sensor.



Press start/resume every time you add a dish.

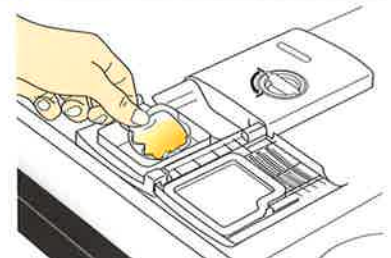
IMPORTANT: If anyone opens the door (such as, for adding a dish, even during the Delay Hours option), START/RESUME must be pressed each time.

If START/RESUME is located on top of door: Push door firmly closed within 3 seconds of pressing START/RESUME. If door is not closed within 3 seconds, the start button LED will flash, an audible tone will be heard, and cycle will not start.



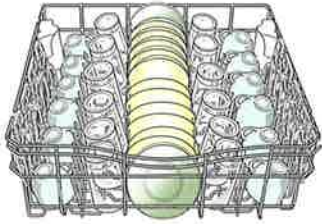
Recommended detergent

The United States has passed a restriction limiting the amount of phosphorus (phosphates) in the household dishwasher detergents to no more than 0.5%, where previous detergents contained 8.7%. Major manufacturers have reformulated their dishwasher detergent for this change in detergents as another step in eco-conscious awareness. With these recent changes it is recommended to use tablets and packs for convenience and improved performance.

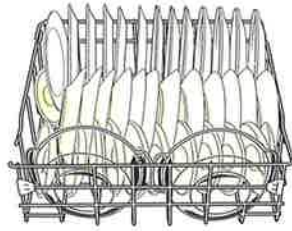


OPERATING YOUR DISHWASHER

1. Prepare and Load the Dishwasher



Upper rack



Lower rack

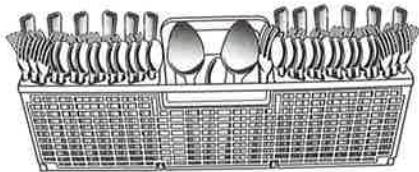
IMPORTANT: Remove leftover food, bones, toothpicks and other hard items from dishes. Remove labels from containers before washing.

- Make sure when dishwasher door is closed no items are blocking detergent dispenser.
- Items should be loaded with soiled surfaces facing down and inward to the spray as shown in the graphics above. This will improve cleaning and drying results. Angle dirtiest dish surface downward, allowing space for water to flow up through rack and between dishes.
- Avoid overlapping items like bowls or plates that may trap food.
- Place plastics, small plates and glasses in upper rack.
- Wash only items marked "dishwasher safe."
- To avoid thumping/clattering noises during operation: Load dishes so they do not touch one another. Make sure lightweight load items are secured in racks.

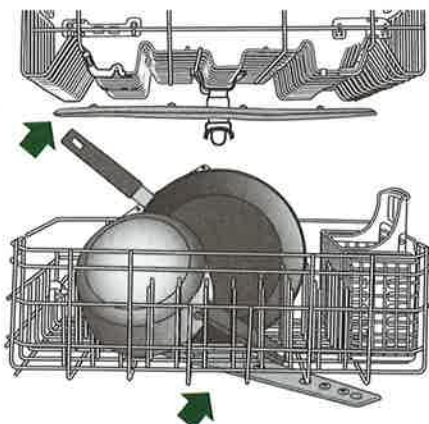
- When loading silverware, always place sharp items pointing down and avoid "nesting" as shown. If your silverware does not fit into the designated slots, flip covers up and mix silverware types to keep them separated.



- Use slots in the covers and suggested loading patterns to keep your silverware separated for optimum wash. (See illustration, right.)



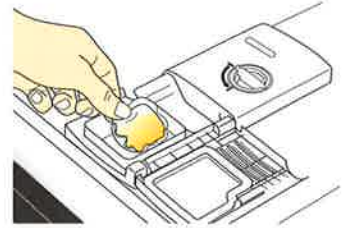
2. Check that all arms spin freely



3. Add Detergent

NOTE: If you do not plan to run a wash cycle soon, run a rinse cycle. Do not use detergent.

- Use automatic dishwasher detergent only. Add powder, liquid or tablet detergent just before starting a cycle.
- Fresh automatic dishwasher detergent results in better cleaning. Store tightly closed detergent container in a cool, dry place.



Premeasured Detergents

Many detergents now come in premeasured forms (gel packs, tablets, or powder packs). These forms are suitable for all hardness and soil levels. Always place premeasured detergents in main compartment and close lid.

Using dishwasher detergent tablets and packs have been proven better than powder, liquid or gel detergents at reducing filming on dishes. Using tablets and packs over time will start to reduce or eliminate white film. Also, by using a rinse aid you can minimize repeat buildup of white film.

Powder and Gels

- The amount of detergent to use depends on:
How much soil remains on the items - Heavily soiled loads require more detergent.
The hardness of the water - If you use too little detergent in hard water, dishes won't be clean. If you use too much in soft water, glassware will etch.

Soft to Medium Water (0-6 grains per U.S. gallon) [typical water softener water and some city water]

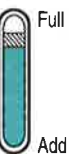
Medium to Hard Water (7-12 grains per U.S. gallon) [well water and some city water]

- Depending on your water hardness, fill the Main Wash section of the dispenser as shown. Fill the Pre-Wash section to the level shown, if needed.

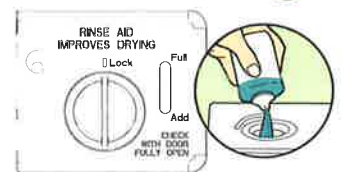
NOTE: Follow instructions on the package when using other dishwasher detergent types.

4. Add Rinse Aid

- Your dishwasher is designed to use rinse aid for good drying performance. Without rinse aid, your dishes and dishwasher interior will have excessive moisture. The heat dry option will not perform as well without rinse aid.
- Rinse aid keeps water from forming droplets that can dry as spots or streaks. It also improves drying by allowing water to drain off of dishes after final rinse.



- To add rinse aid, turn the dispenser cap to "Refill" and lift off. Pour rinse aid into the opening until indicator level is at "Full." Replace dispenser cap and turn to "Lock." Make sure cap is fully locked.



NOTE: For most water conditions, the factory setting will give good results.

- Check water hardness level to ensure no rings or spots on your dishware before adding rinse aid or adjusting the factory setting.
- If you are experiencing poor drying performance, you may want to try a higher setting.



Turn the arrow adjuster inside the dispenser to change rinse aid setting.

5. Select a Cycle (cycles vary by model)

Efficient dishwashers run longer to save water and energy, just as driving a car slower saves on gas. Typical cycle time is approximately 2½ hours, but can take less or more time to complete depending on selections.

6. Select Options (options vary by model)

You can customize your cycles by pressing the options desired. If you change your mind, press the option again to turn off the option. Not all options are available for every cycle. If an invalid option is selected for a given cycle, the lights will flash.

7. Start or Resume a Cycle

NOTE: Run hot water at the sink nearest your dishwasher until the water is hot. Turn off water.









- If the Start/Resume button is located on top of door; push door firmly closed within 3 seconds of pressing START/RESUME. If door is not closed within 3 seconds, the start button LED will flash, an audible tone will be heard, and cycle will not start.


IMPORTANT: If anyone opens the door (such as, for adding a dish, even during the Delay Hours option), the START/RESUME button must be pressed each time.








- If your Start/Resume button is located on front of door: push door firmly closed. The door latches automatically. Select the wash cycle, options and press START/RESUME or press START/RESUME to repeat the same cycle and options as in previous wash cycle.



CYCLE GUIDE


This information covers several different models. Your dishwasher may not have all of the cycles and options described.

CYCLES	SOIL LEVEL	WASH TIME* (MINS.) W/O OPTIONS		WATER USAGE GALLONS (LITERS)
		TYPICAL	MAX	
 <p>The most advanced and versatile cycle. This cycle senses load size, soil amount, and toughness of soil, to adjust the cycle for optimal cleaning using only the amount of water and energy needed.</p>	Light to Medium	115	180	4.1 (15.6)
	Tough/Baked-On	150	215	5.0 (18.8)
	Heavy	150	210	7.4 (28.1)
 <p>Use for hard-to-clean, heavily soiled pots, pans, casseroles, and tableware.</p>	All soil levels	150	210	7.4 (28.1)
	 <p>This cycle is recommended to completely wash a full load of normally soiled dishes. Selecting this cycle will default to the options recommended for normal amounts of food soil. The energy label is based on this cycle.</p>	Light to Medium	110	170
Heavy		150	210	7.4 (28.1)
 <p>Use for lightly soiled items or china and crystal. </p>	All soil levels	110	170	2.9 (11.0)
	 <p>For fast results, 1-Hour Wash will clean dishes using slightly more water and energy. Select the Heat Dry option to provide best dry performance.</p>	All soil levels	60	65
 <p>Use for loads with heavy amounts of food soil. It uses less energy than the Heavy cycle and is a longer cycle.  Therefore, it is ideal to run overnight.</p>		All soil levels	400	455

OPTIONS	CAN BE SELECTED WITH	WHAT IT DOES	ADDED TIME TO CYCLE		ADDED WATER GALLONS (LITERS)
			TYPICAL	MAX	
 <p>Responds to Smart Grid events, such as peak pricing or excessive strain on the utility grid, by either delaying the start of a new cycle or pausing a current cycle.</p>	Available with any cycle	Delays start of cycle up to 6 hours or pauses current cycle up to 20 minutes.	0	20 minute cycle pause 6 hour cycle delay start	0

OPTIONS	CAN BE SELECTED WITH	WHAT IT DOES	ADDED TIME TO CYCLE		ADDED WATER GALLONS (LITERS)
			TYPICAL	MAX	
 Activates the POWERSCOUR™ spray jets and provides intensified water spray to back of lower level rack. May add heat and time to cycle.	Sensor Heavy Normal	Raises main wash temperature from 105°F (41°C) to 120°F (49°C).	42	55	0 - 3.7 (0 - 14.0)
 Raises main wash temperature to improve cleaning for loads containing tough, baked-on food.	Sensor Heavy Normal	Raises main wash temperature from 105°F (41°C) to 120°F (49°C).	35	45	0 - 3.7 (0 - 14.0)
 Sanitizes dishes and glassware in accordance with National Sanitation Foundation (NSF)/ANSI Standard 184 for Residential Dishwashers. Certified residential dishwashers are not intended for licensed food establishments. The Sani indicator indicates at the end of the cycle whether the Sani Rinse option was successfully completed. If indicator does not activate, it is probably due to cycle being interrupted.	Sensor Heavy Normal	Increased main wash temperature from 105°F (41°C) to 130°F (54°C) and final rinse from 140°F (60°C) to 155°F (68°C).	60	90	0 - 2.6 (0 - 10.0)
 For added convenience, use for washing a small load of dishes in top rack.	Available with any cycle	Slightly faster wash for smaller loads	-7	-30	0
 Dries dishes with heat. This option, with the use of rinse aid, will provide the best drying performance. Plastic items are less likely to deform when loaded in the top rack. Use High Heat Dry for optimum dry performance, Eco Heat Dry for energy savings with good drying performance, or turn the Heat Dry option off for air dry.	Available with any cycle	Uses heating element to speed drying times. Heat Dry option defaults to On when any cycle is selected except for 1-Hour Wash.	52	52	0
 Runs dishwasher at a later time. Select a wash cycle and options. Press 4-HOUR DELAY. Press START/RESUME. Close door firmly. NOTE: Anytime door is opened (such as, to add a dish), START/RESUME must be pressed again to resume delay countdown.	Available with any cycle	Delays start of a cycle up to 4 hours.	240	240	0
Control Lock  Avoids unintended use of dishwasher between cycles, or cycle and option changes during a cycle. To turn on Lock, press and hold CONTROL LOCK or 4-HOUR DELAY (depending on model) for 3 seconds. Control Lock light will stay on for a short time, indicating that it is activated, and all buttons are disabled. If you press any button while your dishwasher is locked, light flashes 3 times. Dishwasher door can still be opened/closed while the controls are locked. To turn off Lock, press and hold CONTROL LOCK or 4-HOUR DELAY (depending on model) for 3 seconds. Light turns off. NOTE: If your model requires you to press and hold 4-HOUR DELAY to lock controls, Control Lock LED will be on or off to indicate whether Control Lock is active or not.					

Control	Purpose	Comments
	Press to start or resume a wash cycle.	If the door is opened during a cycle or the power is interrupted, the Start/Resume indicator flashes. Cycle will not resume until door is closed and Start/Resume is pressed. NOTE: If Start/Resume button is located on top of door, push door firmly closed within 3 seconds of pressing START/RESUME. If door is not closed within 3 seconds, Start/Resume button LED will flash, an audible tone will be heard (on some top control models), and cycle will not start.
	Press to cancel wash cycle.	Close the door firmly. The dishwasher starts a 2-minute drain (if needed). Let dishwasher drain completely.

Control	Purpose	Comments
 <ul style="list-style-type: none"> Smart Delay Washing Drying Clean Sanitized 	<p>To follow progress of your dishwasher cycle.</p> <p>NOTE: Indicators shown are not available on all models.</p>	<p>The Smart Delay indicator glows when a Smart Grid event is occurring.</p> <p>The Clean indicator glows when a cycle is finished.</p> <p>If you select Sani Rinse option, when cycle is finished, the "Sanitized" indicator glows. If your dishwasher did not properly sanitize your dishes, the light flashes at the end of the cycle. This can happen if the cycle is interrupted, or water could not be heated to required temperature. The light goes off when you open and close door or press CANCEL.</p>

DISHWASHER CARE

Cleaning the Dishwasher

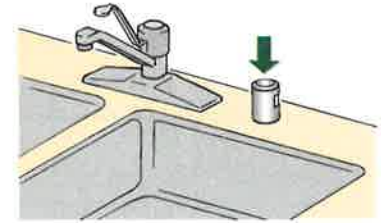
Clean the exterior of dishwasher with a soft, damp cloth and mild detergent. If your dishwasher has a stainless steel exterior, a stainless steel cleaner is recommended - Stainless Steel Cleaner and Polish Part Number 31462A.

Removal of Hard Water / Filming: Recommended use of a monthly maintenance product such as affresh™ Dishwasher Cleaner Part Number W10282479.

- Load your dishwasher (preferably with dishes affected by filming / hard water).
- Place tablet in main wash compartment of detergent dispenser.
- Select cycle/option best for heavily soiled dishes and start dishwasher.

NOTE: Recommended to use a premeasured detergent tablet or pack for regular daily use.

If you have a drain air gap, check and clean it if the dishwasher isn't draining well.



To Reduce Risk of Property Damage During Vacation or Extended Time Without Use

- When you will not be using the dishwasher during the summer months, turn off the water and power supply to the dishwasher.
- Make sure the water supply lines are protected against freezing conditions. Ice formations in the supply lines can increase water pressure and cause damage to your dishwasher or home. Damage from freezing is not covered by the warranty.
- When storing your dishwasher in the winter, avoid water damage by having your dishwasher winterized by authorized service personnel.

PROBLEM SOLVER



Scan the code at left with your mobile device, or visit www.whirlpool.com/product_help for recommendations that may help you avoid a service call.

If you experience	Recommended Solutions
Dishwasher does not run or stops during a cycle	<p>It is normal for certain cycles to repeatedly pause for several seconds during the main wash. Is the door closed tightly and latched?</p> <p>Is the right cycle selected?</p> <p>Is there power to the dishwasher? Has a household fuse blown, or has a circuit breaker tripped? Replace the fuse or reset the circuit breaker. If the problem continues, call an electrician.</p> <p>Has the motor stopped due to an overload? The motor automatically resets itself within a few minutes. If it does not restart, call for service.</p> <p>Is the water shutoff valve (if installed) turned on?</p>
The Clean light is flashing	<p>Check the following:</p> <ul style="list-style-type: none"> ■ Is the overflow protection float able to move up and down freely? Press down to release. ■ Be sure the water supply is turned on to the dishwasher. (This is very important following the new installation of your dishwasher.) ■ Check for suds in the dishwasher. If foam or suds are detected by the dishwasher sensing system, the dishwasher may not operate properly or may not fill with water. Suds can come from: <ul style="list-style-type: none"> ■ Using the incorrect type of detergent, such as laundry detergent, hand soap, or dish detergent for hand washing dishes. ■ Forgetting to replace the rinse aid dispenser cap after filling (or refilling) the rinse aid. ■ Using an excessive amount of dishwasher detergent.

If you experience	Recommended Solutions
Dishes do not dry completely	<p>NOTE: Plastic and items with nonstick surfaces are difficult to dry because they have a porous surface which tends to collect water droplets. Towel drying may be necessary.</p> <p>Use of rinse aid along with Heat Dry option is needed for proper drying.</p> <p>Proper loading of items can affect drying.</p> <p>Glasses and cups with concave bottoms hold water. This water may spill onto other items when unloading.</p> <ul style="list-style-type: none"> ■ Unload the bottom rack first. ■ For improved results, place these items on the more slanted side of the rack.
Noise	<p>NOTES:</p> <ul style="list-style-type: none"> ■ Surging sounds can occur periodically throughout the cycle while the dishwasher is draining. ■ Normal water valve hissing may be heard periodically. ■ A normal snap sound may be heard when the detergent dispenser opens during the cycle or when the door is opened at the end of the cycle. ■ Improper installation will affect noise levels. <p>Be sure the filters are properly installed.</p> <p>A thumping sound may be heard if items extend beyond the racks and interfere with the wash arms. Readjust the dishware and resume the cycle.</p>
Spotting/Filming	<p>NOTES:</p> <ul style="list-style-type: none"> ■ Liquid rinse aid is necessary for drying and to reduce spotting. ■ Use the correct amount of detergent. <p>Confirm that the cloudiness is removable by soaking the item in white vinegar for 5 minutes. If the cloudiness disappears, it is due to hard water. Adjust the amount of detergent and rinse aid (see “Dishwasher Care” section in full Use and Care Guide). If it does not come clear, it is due to etching.</p> <p>Be sure the incoming water temperature is set at 120°F (49°C).</p> <p>Try using the High Temp and Sani Rinse options.</p> <p>To remove spotting, run a vinegar rinse through the dishwasher.</p> <ul style="list-style-type: none"> ■ Wash and rinse the affected dishware and load into dishwasher. Remove all silverware and metal items. Put 2 cups (500 mL) of white vinegar in a glass measuring cup in the lower rack. Run a normal cycle with the Heat Dry option turned off. No detergent is needed (see “Dishwasher Care” section in full Use and Care Guide).
Dishwasher does not clean completely	<p>Be sure the dishwasher is loaded correctly. Improper loading can greatly decrease the washing performance (see Operating Your Dishwasher” section).</p> <p>Check filter to ensure it is properly installed. Clean it if needed. (See “Filtration System” in full User Guide for details.)</p> <p>Select the proper cycle for the type of soils. The Sensor Wash or the Heavy Wash cycles can be used for tougher loads.</p> <p>Be sure the incoming water temperature is at least 120°F (49°C).</p> <p>Use the proper amount of fresh detergent. More detergent is needed for heavier-soiled loads and hard water conditions.</p> <p>Scrape food from dishes prior to loading (do not prerinse).</p> <p>If foam or suds are detected by the dishwasher sensing system, the dishwasher may not operate properly or may not fill with water.</p> <p>Suds can come from:</p> <ul style="list-style-type: none"> ■ Using the incorrect type of detergent, such laundry detergent, hand soap, or dish detergent for hand washing dishes. ■ Not replacing the rinse aid dispenser cap after filling (or refilling) the rinse aid. ■ Using an excessive amount of dishwasher detergent.
Dishwasher does not drain	<p>Be sure the cycle has been completed (the Clean light is on). If it has not, you will need to resume the cycle by closing the door and pressing START/RESUME.</p> <p>If dishwasher is connected to a food waste disposer, be sure the knockout plug has been removed from the disposer inlet.</p> <p>Check for kinks in the drain hose.</p> <p>Check for food obstructions in the drain or disposer.</p> <p>Check your house fuse or circuit breaker.</p>

ACCESSORIES

Whirlpool Corporation also offers a variety of accessories for your dishwasher. In the U.S.A., visit www.whirlpool.com/accessories to order. In Canada, visit www.whirlpoolparts.ca to order.

WARRANTY

WHIRLPOOL CORPORATION MAJOR APPLIANCE WARRANTY

LIMITED WARRANTY

For one year from the date of purchase, when this major appliance is operated and maintained according to instructions attached to or furnished with the product, Whirlpool Corporation or Whirlpool Canada LP (hereafter "Whirlpool") will pay for Factory Specified Parts and repair labor to correct defects in materials or workmanship. Service must be provided by a Whirlpool designated service company. This limited warranty is valid only in the United States or Canada and applies only when the major appliance is used in the country in which it was purchased. Outside the 50 United States and Canada, this limited warranty does not apply. Proof of original purchase date is required to obtain service under this limited warranty.

ITEMS EXCLUDED FROM WARRANTY

This limited warranty does not cover:

1. Service calls to correct the installation of your major appliance, to instruct you on how to use your major appliance, to replace or repair house fuses, or to correct house wiring or plumbing.
2. Service calls to repair or replace appliance light bulbs, air filters or water filters. Consumable parts are excluded from warranty coverage.
3. Repairs when your major appliance is used for other than normal, single-family household use or when it is used in a manner that is contrary to published user or operator instructions and/or installation instructions.
4. Damage resulting from accident, alteration, misuse, abuse, fire, flood, acts of God, improper installation, installation not in accordance with electrical or plumbing codes, or use of consumables or cleaning products not approved by Whirlpool.
5. Cosmetic damage, including scratches, dents, chips or other damage to the finish of your major appliance, unless such damage results from defects in materials or workmanship and is reported to Whirlpool within 30 days from the date of purchase.
6. Any food loss due to refrigerator or freezer product failures.
7. Costs associated with the removal from your home of your major appliance for repairs. This major appliance is designed to be repaired in the home and only in-home service is covered by this warranty.
8. Repairs to parts or systems resulting from unauthorized modifications made to the appliance.
9. Expenses for travel and transportation for product service if your major appliance is located in a remote area where service by an authorized Whirlpool servicer is not available.
10. The removal and reinstallation of your major appliance if it is installed in an inaccessible location or is not installed in accordance with published installation instructions.
11. Major appliances with original model/serial numbers that have been removed, altered or cannot be easily determined. This warranty is void if the factory applied serial number has been altered or removed from your major appliance.

The cost of repair or replacement under these excluded circumstances shall be borne by the customer.

DISCLAIMER OF IMPLIED WARRANTIES; LIMITATION OF REMEDIES

CUSTOMER'S SOLE AND EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY SHALL BE PRODUCT REPAIR AS PROVIDED HEREIN. IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR OR THE SHORTEST PERIOD ALLOWED BY LAW. WHIRLPOOL SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES AND PROVINCES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS, SO THESE EXCLUSIONS OR LIMITATIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

If outside the 50 United States and Canada, contact your authorized Whirlpool dealer to determine if another warranty applies.

9/07

For additional product information or to view FAQs (Frequently Asked Questions), in U.S.A., visit www.whirlpool.com
In Canada, visit www.whirlpool.ca

If you do not have access to the Internet and you need assistance using your product or you would like to schedule service, you may contact Whirlpool at the number below.

Have your complete model number ready. You can find your model number and serial number on the label located near the door on the right-hand or left-hand side of the dishwasher interior.

For assistance or service in the U.S.A., call 1-800-253-1301. In Canada, call 1-800-807-6777.

If you need further assistance, you can write to Whirlpool with any questions or concerns at the address below:

In the U.S.A.:

Whirlpool Brand Home Appliances
Customer eXperience Center
553 Benson Road
Benton Harbor, MI 49022-2692

In Canada:

Whirlpool Brand Home Appliances
Customer eXperience Centre
200 – 6750 Century Ave.
Mississauga ON L5N 0B7

Please include a daytime phone number in your correspondence.

Please keep these User Instructions and model number information for future reference.