

Installation Instructions

Quick Reference

Section	Page
Introduction	2
Product dimensions	3
Built-in opening dimensions	3
Electrical requirements	4
Water requirements	4
Drain requirements	4
Installation steps	5 - 11
Need assistance?	Back cover

The KitchenAid Consumer Assistance Center is open 24 hours a day, 7 days a week. Call 1-(800) 422-1230. The call is free within the continental United States. In Canada, call 1-(800) 461-5681 for English, and 1-(800) 461-5703 for French.

Call the KitchenAid Consumer Assistance Center when you:

- ▶ Have questions about dishwasher installation or operation.
- ▶ Need to obtain the name and number of a KitchenAid-authorized service company.

Important:

- **Installer:** Leave Installation Instructions with the homeowner.
- **Homeowner:** Keep Installation Instructions for future reference.
- Save Installation Instructions for local electrical inspector's use.

**Important:
Read and save these
instructions.**

If connecting dishwasher with power supply cord, check that power supply is disconnected.

⚠ WARNING



Electrical Shock Hazard

Plug into a grounded 3 prong outlet.

Do not remove ground prong.

Do not use an adapter.

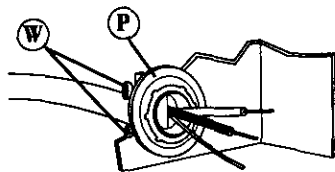
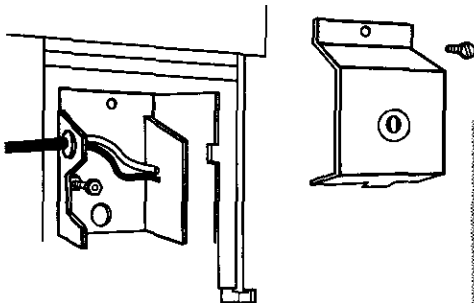
Do not use an extension cord.

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

- Use power supply cord kit (Part No. 4317824) available from your dealer or parts supplier. Follow instructions with kit for installing power supply cord.

If the cord kit is not available, a U.L.-listed/CSA-certified, 16-gauge, three-conductor, power supply cord and strain relief must be used. Six feet (1.8m) must be the maximum length of power supply cord.

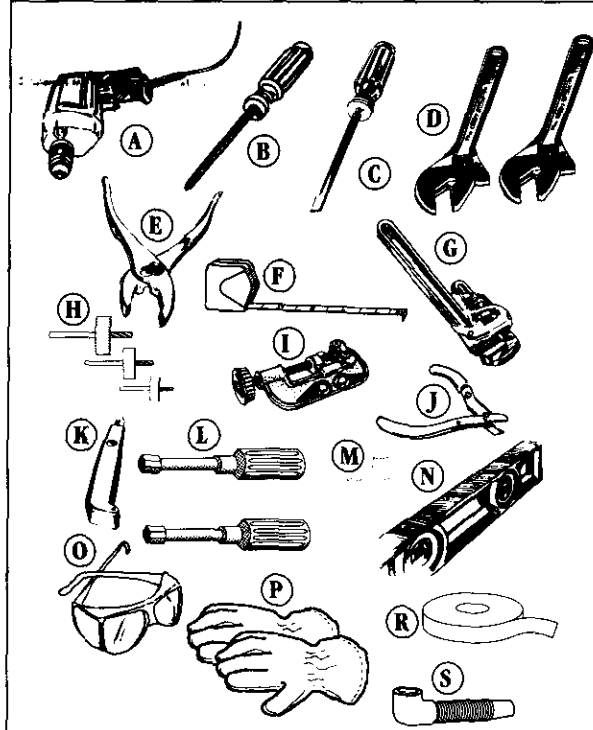
- Route power supply cord so it does not touch dishwasher motor or lower part of dishwasher tub.



- Remove the dishwasher terminal box cover (O).

- Install a U.L.-listed/CSA-certified strain relief (P) to the terminal box. Run power supply cord through strain relief.

Tools & materials needed for installation



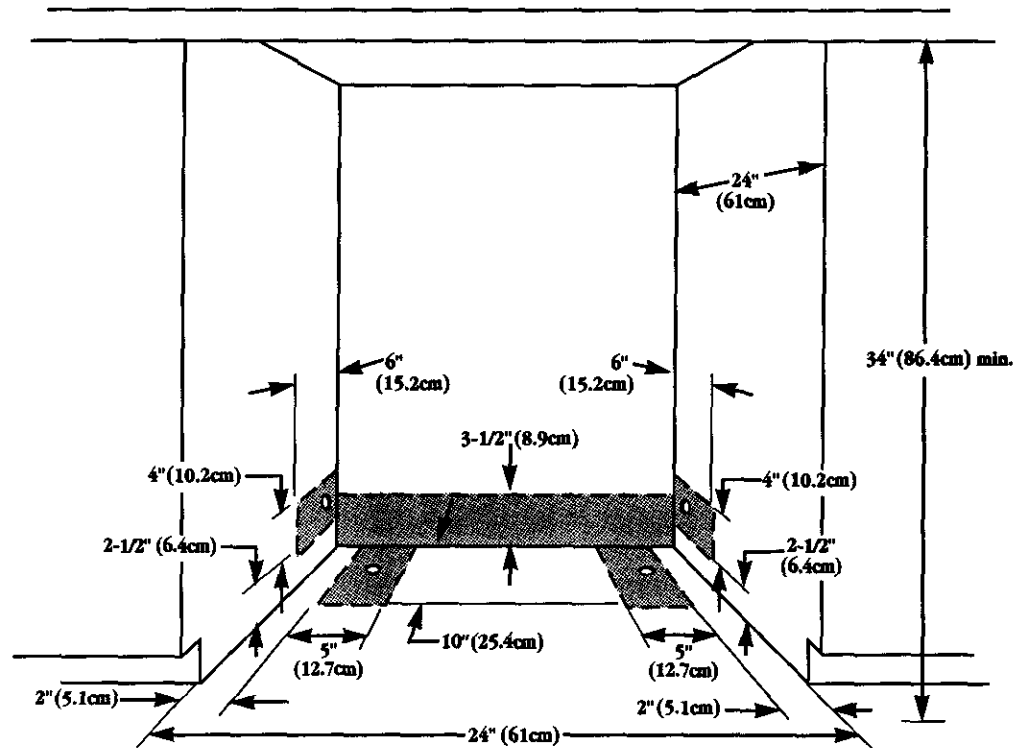
- A. electric drill
- B. Phillips screwdriver
- C. flat-blade screwdriver
- D. 2 adjustable wrenches
- E. pliers
- F. measuring tape or ruler
- G. pipe wrench
- H. hole cutters (1/2", 3/4", 1-1/2")
- I. tubing cutter
- J. wire stripper
- K. utility knife
- L. 11/32" and 1/4" nut driver or hex socket
- M. 2 twist-on wire connectors for 16-gauge wire
- N. level
- O. safety glasses
- P. gloves
- R. Teflon tape
- S. Drain tube adapter Part No. 9741366 (available from your dealer) if connecting to a 1/2" I.D. drain line.

Not shown:
90° elbow with 3/8" N.P.T. external threads on one end. The size of the other end must fit your water supply line.



Parts supplied for installation

- A. 2 drain hose clamps
 - B. 2 No.-10 x 1/2" Phillips-head screws
- Remove parts from bag. Check that all parts were supplied.



Unshaded area must be free of pipes, wires and drain hose.

Power supply cord or cable should not be kinked or pinched between dishwasher and cabinet.

Leveling legs and wheels adjust to fit 34-inch (86.4cm) to 35-inch (88.9cm) cabinet opening height. If leveling legs and wheels are removed from dishwasher, 33-13/16 inches (85.9cm) is the minimum cabinet opening height. Measure this distance from the lowest point of the underside of the countertop.

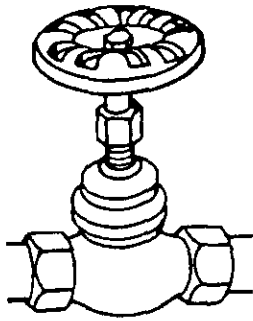
Corner locations require a 2" (5.1cm) minimum clearance between side of dishwasher door and the wall or cabinet.

Check location where dishwasher will be installed. Do Not install dishwasher over carpeting. The location must provide:

- **Protection so that the water inlet and drain lines cannot freeze.**

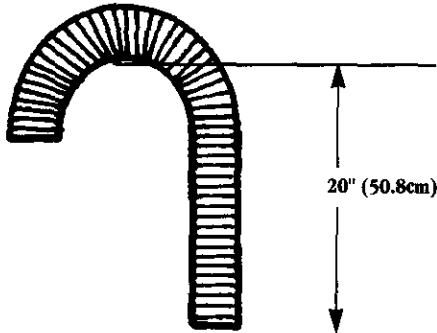
Damage from freezing is not covered by the warranty. **If dishwasher will be subject to freezing temperatures** and left unused for a period of time, see "Winterizing" instructions in your Use and Care Guide.

- Easy access to water, electricity and drainage lines.
- Convenient loading. The best location is to the right or left of a sink.
- A square opening for proper dishwasher operation and appearance.
- A cabinet front that is perpendicular to the floor.
- 1/4" (.64cm) minimum clearance between motor and flooring to prevent the motor from overheating.



Water

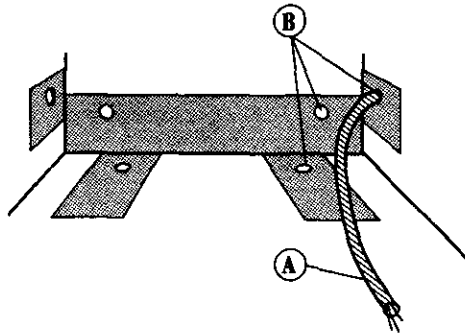
- The hot water line to the dishwasher must provide between 20-125 psi (138-862 kPa) water pressure.
- The hot water heater should be set to deliver 120°F (49°C) minimum water temperature to the dishwasher for best results.
- A 3/8" minimum O.D. copper tubing inlet line is recommended.
- Dishwasher inlet valve has 3/8" N.P.T. internal pipe threads.
- All solder connections must be made before water line is connected to dishwasher inlet valve. Do Not solder within 6 inches (15.2cm) of inlet valve.



Drain

The drain hose supplied meets AHAM DW-1 test standards.

- The drain hose must have a high drain loop, 20 inches (50.8cm) above floor. This will help to prevent backflow or water siphoning during dishwasher operation.
- An air gap must be used in the high drain loop if the drain hose is connected to house plumbing lower than 20 inches (50.8cm).
- The waste tee or disposer inlet must be 20 inches (50.8cm) minimum above the floor.
- Drain hose must be installed to waste tee or inlet above drain trap in house plumbing.
- Drain line and fittings must be 1/2" minimum I.D.
- If a longer drain hose is required, the maximum length is 12 feet (3.7m). Check that drain hose is resistant to heat and detergent.



Direct wire method

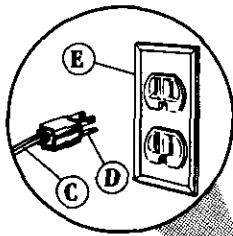
Local codes may permit using armored or non-metallic sheathed, copper wire (A) (with ground wire) to connect dishwasher to junction box.

- Cut a 3/4" (1.9cm) hole in rear, side or floor of cabinet (B) for direct wiring. Right side is easiest location.

Wood cabinet: Sand hole until smooth.

Metal cabinet: Cover hole with grommet (Part No. 302797) available from your dealer or parts supplier.

- Install a U.L.-listed/CSA-certified strain relief to the junction box. If using conduit, use a U.L.-listed/CSA-certified conduit connector. Connect the power supply wire to the junction box. Run the other end of wire through cabinet hole (B). The power supply wire must extend 24 inches (61cm) from the back wall into cabinet opening.



Power supply cord method

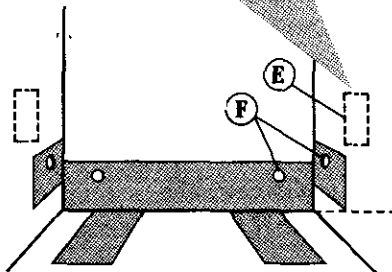
Local codes may permit a U.L.-listed/CSA-certified, 16-gauge, power supply cord (Part No. 4317824) (C) with a three-prong, ground-type plug (D) to connect dishwasher to grounded outlet (E).

- Cut a 1-1/2" (3.8cm) hole in rear or right side of cabinet (F) for power supply cord. Right side is easiest location.

Wood cabinet: Sand hole until smooth.

Metal cabinet: Cover hole with grommet (Part No. 302797) available from your dealer or parts supplier.

- Install a mating three-prong ground-type outlet in an adjacent cabinet.



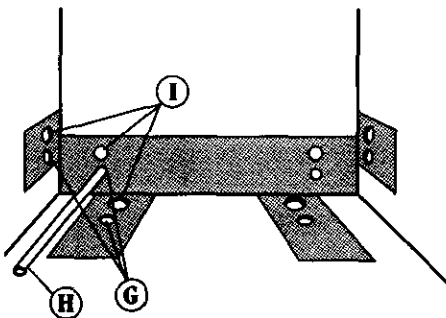
Water line (protect from freezing)

- Cut a 1/2" (1.3cm) minimum hole (G) in cabinet wall or floor for water line. Left side is easiest location.

- Rough water line (H) to the cabinet opening.

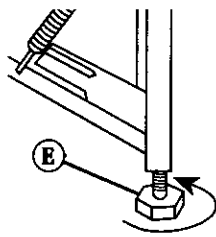
- Install a manual shutoff valve in the water line where it can be easily used.

- Flush water line into a bucket to get rid of any particles that may clog inlet valve. Check that there are no sharp bends or kinks in the water line that may restrict the water flow. Turn shutoff valve to the "OFF" position.

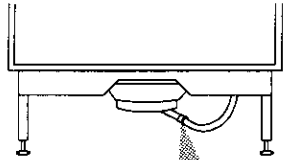


Drain hose

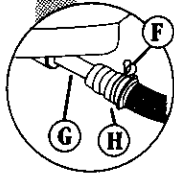
- Cut a 1-1/2" (3.8cm) diameter drain line opening (I) in the cabinet wall or floor.



Adjust the front leveling legs (E) the number of turns listed in the chart. The dishwasher should be installed as level as possible from front to back.

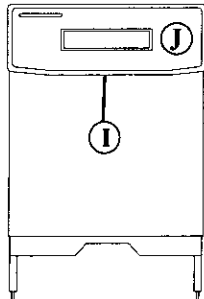


Put the spring-type drain hose clamp (F) over the drain connector (G). Push drain hose (H) onto drain connector. Use pliers to open clamp and slide clamp over drain hose and drain connector. Check that drain hose is securely attached to drain connector.



Tilt dishwasher backwards on wheels when moving across floor to prevent damage to floor covering.

Latch (I) the dishwasher door. Grasp the sides of the dishwasher door near the console (J). Tilt dishwasher backwards on wheels. Move dishwasher close to cabinet opening. **Do Not push on the center of the console.** Discard shipping base or hardboard.

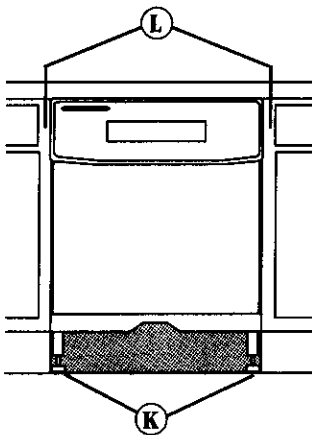


Insert drain hose into hole cut into cabinet. Check that drain hose does not contact door springs, motor or water line.

- Do Not run drain hose over top of tub. Check that drain hose is not kinked or twisted.

Insert power supply cord into hole cut into cabinet. If using power supply wire, adjust wire and pull towards dishwasher terminal box.

- Do Not pinch power supply cord or kink power supply wire between dishwasher and cabinet.



Move dishwasher completely into cabinet opening. Center dishwasher in opening. Check that leveling legs (K) are firmly against the floor. Align the dishwasher door with front of cabinet doors. Check that spacing (L) is the same on both sides.

Alternate Connection Methods No Air Gap

If local codes permit, the dishwasher drain hose may be connected directly to a waste tee or waste disposer.

Drain hose (A) to waste tee (B)

Cut drain end of drain hose as shown (C). Do Not cut ribbed section to shorten drain hose (D).

Secure drain hose to waste tee with spring- or screw-type clamp (E). If spring-type clamp does not fit smaller section of drain hose connector, use a smaller clamp. Smaller clamps are available at plumbing supply stores.

The waste tee connection MUST be ahead of the drain trap (F) and 20 inches (50.8cm) minimum above the floor (G).

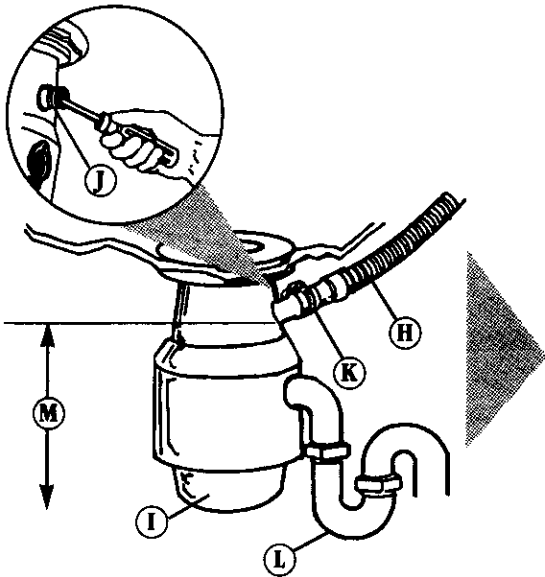
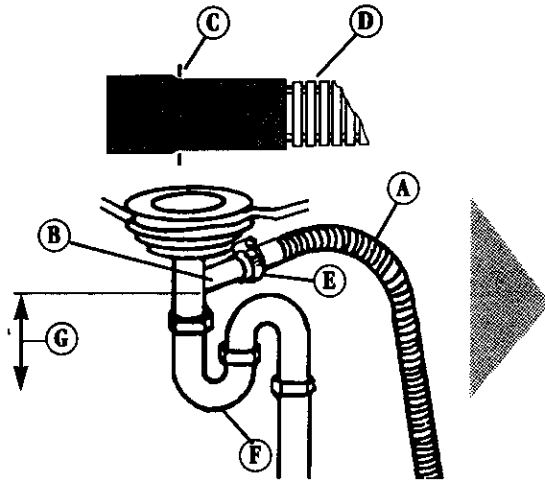
Drain hose (H) to disposer (I)

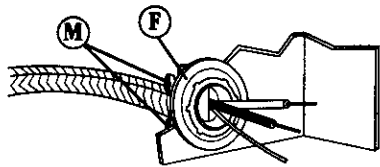
Knock out disposer inlet plug from inlet (J). If inlet plug falls inside disposer, you must remove inlet plug before connecting drain hose. If disposer is already installed in sink, you may need to remove disposer from sink to remove plug. **DO NOT** cut end of drain hose.

Secure drain hose to disposer with spring- or screw-type clamp (K).

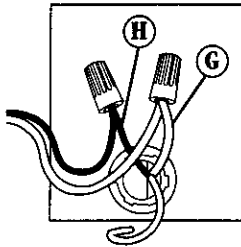
Most disposers have 7/8" connectors, or special connectors are available at plumbing supply stores.

The disposer connection MUST be ahead of the drain trap (L) and 20 inches (50.8cm) minimum above the floor (M).

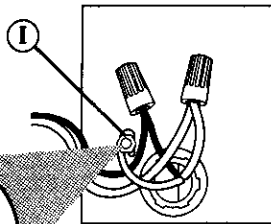




- Install a U.L.-listed/CSA-certified strain relief (F) to the terminal box. Run power supply wire through strain relief. If using conduit, use a U.L.-listed/CSA-certified conduit connector. Run conduit through connector.

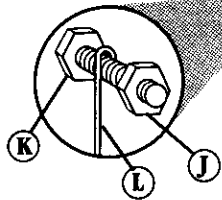


- Connect the white wire (G) from the power supply wire to the white wire in the terminal box with twist-on wire connector.
- Connect the black wire (H) from the power supply wire to the black wire in the terminal box with twist-on wire connector.



If the ground connector (I) looks like this:

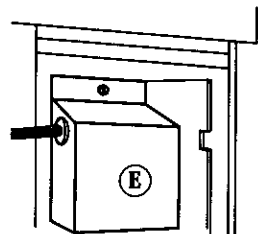
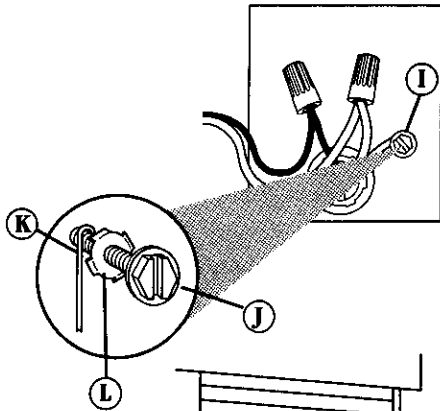
- Loosen front nut (J) on ground connector located on the back of terminal box. Do Not loosen the rear nut (K) on the ground connector.
- Form the bare ground wire (L) into a U-shaped hook. Wrap ground wire hook clockwise around ground connector and between the rear and front nuts. Securely tighten the front nut (J) over the ground wire.
- Tighten strain relief or conduit connector screws (M).



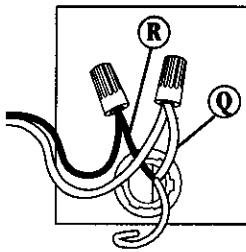
OR

If the ground connector (I) looks like this:

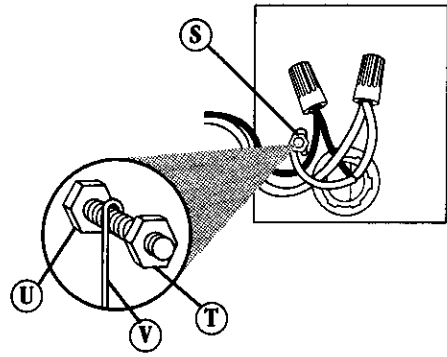
- Loosen screw (J) on ground connector located on the back of terminal box.
- Form the bare ground wire (K) into a U-shaped hook. Wrap ground wire hook clockwise around ground connector and under the washer (L). Securely tighten the screw (J).
- Tighten strain relief or conduit connector screws (M).



- Replace terminal cover (E).



- Connect the white wire (Q) from the power supply cord to the white wire in the terminal box with twist-on wire connector.
- Connect the black wire (R) from the power supply cord to the black wire in the terminal box with twist-on wire connector.

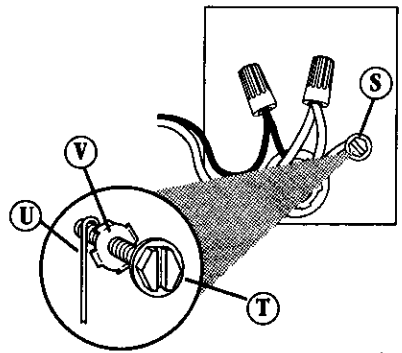


If the ground connector (S) looks like this:

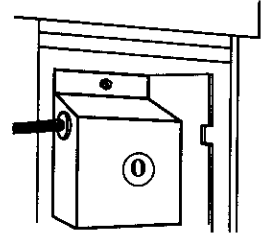
- Loosen front nut (T) on ground connector located on the back of terminal box. Do Not loosen the rear nut (U) on the ground connector.
- Form the bare ground wire (V) into a U-shaped hook. Wrap ground wire hook clockwise around ground connector and between the rear and front nuts. Securely tighten the front nut (T) over the ground wire.
- Tighten strain relief screws (W).

OR

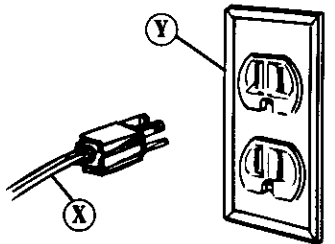
If the ground connector (S) looks like this:



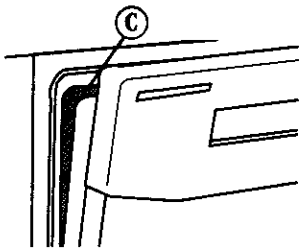
- Loosen screw (T) on ground connector located on the back of terminal box.
- Form the bare ground wire (U) into a U-shaped hook. Wrap ground wire hook clockwise around ground connector and under the washer (V). Securely tighten the screw (T).
- Tighten strain relief screws (W).



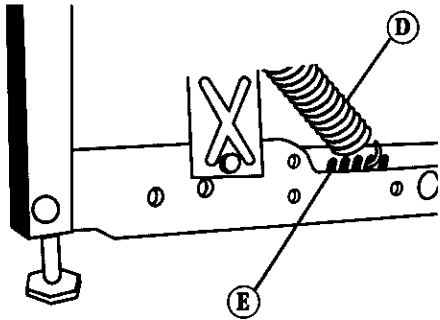
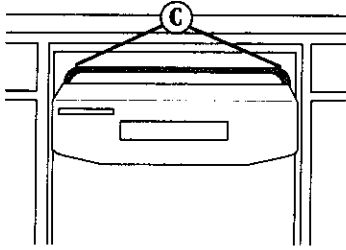
- Replace terminal cover (O).



- Plug power supply cord (X) into mating grounded outlet (Y).



Open door about 3 inches (7.6cm) and check for equal spacing (C) between inner door and tub sides. If spacing is not equal, loosen bracket screws and shift tub. Tighten bracket screws. Remove newspaper or towel from dishwasher.



Open and close door several times. The door should open and close easily. If door closes too quickly or falls open, adjust door springs (D) by moving spring ends to different holes (E) in base.

Reattach access and lower panel to dishwasher so that the bottom edge of the lower panel contacts the floor.

***Your installation is now complete.
Keep Installation Instructions and Use and Care Guide
close to dishwasher for easy reference.***

Introduction. Introduction.

Your safety and the safety of others is 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 hazards that can kill or hurt you and others. All safety messages will be preceded by the safety alert symbol and the word "DANGER" or "WARNING". These words mean:

⚠ DANGER

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

⚠ WARNING

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

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

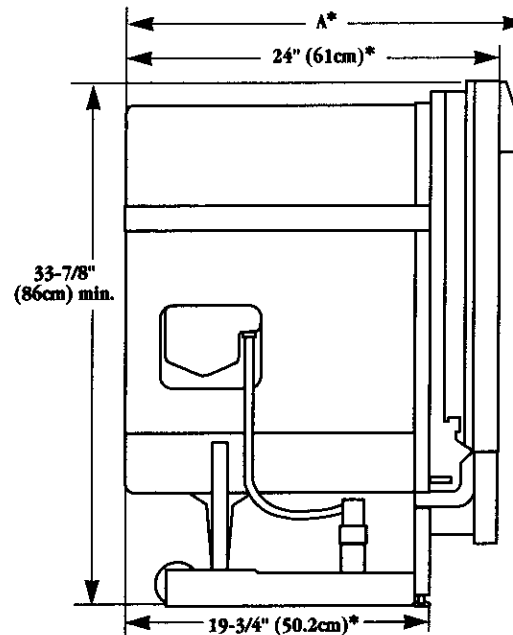
It is your responsibility to:

- **Observe all governing codes and ordinances.**
- comply with the installation specifications and dimensions.
- properly install dishwasher.
- make sure you have everything necessary for proper installation.
- contact a qualified installer to insure that the electrical and plumbing installations meet all national and local codes and ordinances.

Keep cardboard shipping base or hardboard under dishwasher until it is installed. The shipping base or hardboard will help to protect floor covering when dishwasher is moved across the floor during installation.

Product dimensions

Side view
Vue de côté



MODELS MODÈLES	A
KUDC Series Série KUDC	24-1/4" (61.6 cm)
KUDI25 Series Série KUDI25	61,6 cm (24-1/4 po)
All Others Tous les autres	25-1/4" (64.1 cm)
	64,1 cm (25-1/4 po)

* does not include insulation blanket
* ne comprend pas l'isolant

Built-in opening

Opening for electrical, drain and water supply lines:

- Must be installed within the shaded area as specified.
- Should be located as close to the rear wall as possible.

Electrical outlet must be installed in an adjacent cabinet.

Wiring should not contact the motor or dishwasher legs.

Water line: Cut 1/2" (1.3cm) diameter opening.

Water line Must Not contact the motor or dishwasher legs.

Drain line and power supply cord: Cut 1-1/2" (3.8cm) diameter opening.

Direct wire electrical supply: Cut 3/4" (1.9cm) diameter opening.

Install a grommet (Part No. 302797) in opening cut in a metal cabinet for power supply cord or power supply cable.

Dishwasher must be completely enclosed, sides, top and rear. Side panel kits are available from your dealer for installing your dishwasher at the end of a cabinet.

Black, Part No. 4378868

White, Part No. 4378867

Almond Part No. 4378860

Electrical

It is the customer's responsibility:

To contact a qualified electrician.

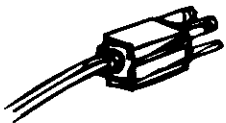
To assure that the electrical installation is adequate and in conformance with all national and local codes and ordinances.

Dishwasher must be connected to the proper electrical voltage and frequency as specified on the model/serial rating plate. The model/serial rating plate is located behind the door on the front frame of the dishwasher opening.

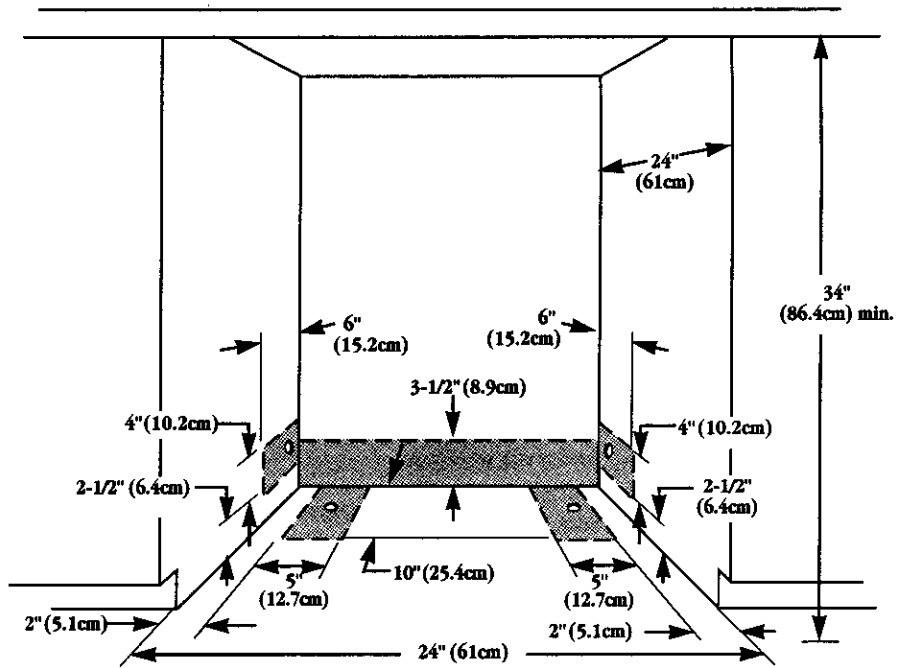
- CONNECT WITH COPPER WIRE ONLY.
- 120-volt, 60-Hz, AC-only, 15-ampere, fused electrical supply is required.
- A time-delay fuse or circuit breaker is recommended.
- It is recommended that a separate circuit serving only this appliance be provided.
- Some models are already equipped with a power supply cord. If a power supply cord is not supplied, Power Supply Cord Kit (Part No. 4317824) is available from your local dealer or parts supplier. Follow the kit instructions for installing power supply cord.

If the kit is not available locally, use a U.L.-listed/CSA-certified, three-conductor, 16-gauge, six foot, power supply cord that meets all local codes and ordinances. It must be routed so it does not touch the dishwasher motor or lower portion of the dishwasher tub. A strain relief must be used to secure the power supply cord to the dishwasher terminal box. The power supply cord must be plugged into a mating 3-prong, ground-type outlet, grounded in accordance with all national and local codes and ordinances.

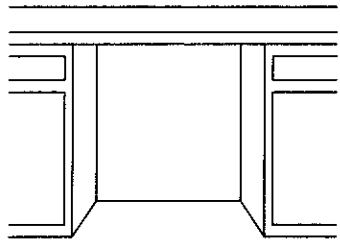
- If a power supply cord is attached to dishwasher but you need to direct wire dishwasher, you will need Direct Wire Connection Kit (Part No. 4317979). Remove power supply cord and make all direct wire connections inside terminal box. All electrical connections must be made in accordance with all national and local codes and ordinances.
- Dishwasher must be connected to a grounded metal, permanent wiring system or a ground conductor can be used with the circuit conductors to connect to the ground terminal or lead on the dishwasher.
- Do not ground to a gas pipe.
- Do not connect dishwasher to electrical supply until dishwasher is permanently grounded.
- Do not have a fuse in the neutral or ground circuit.



Steps Installation



A Cabinet opening preparation



⚠ WARNING

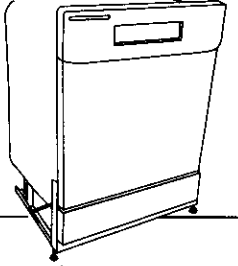


Electrical Shock Hazard
 Disconnect electrical power at the fuse box or circuit breaker box before installing dishwasher.
 Failure to do so can result in death or electrical shock.

1. Disconnect the power supply.
2. Put on gloves and safety glasses.

Electrical

3. Pick one method to follow ("Direct wire" or "Power supply cord"), depending upon your dishwasher and local codes.
4. Complete wiring to cabinet opening according to wiring method you need. Follow all local codes and ordinances.



B

Leveling the dishwasher

⚠ WARNING

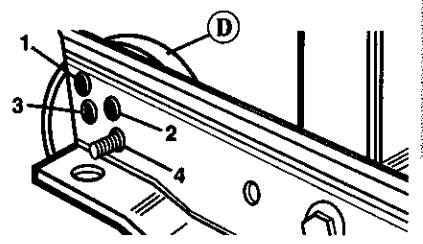
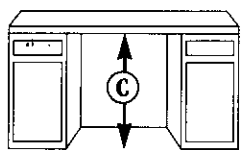
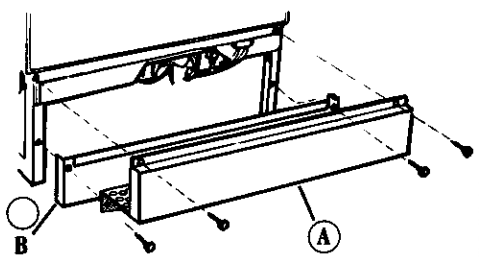
Tip Over Hazard
 Do not use dishwasher until completely installed.
 Do not push down on open door.
 Doing so can result in serious injury or cuts.

⚠ 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.

Keep cardboard shipping base or hardboard under dishwasher until it is installed. The shipping base or hardboard will help to protect floor covering during installation.

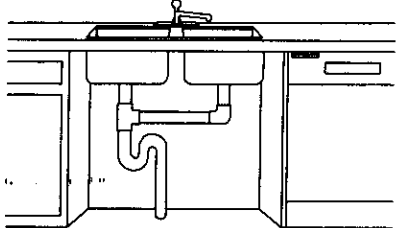
Remove the four screws attaching access panel (A) and lower panel (B) to dishwasher using a 1/4" hex socket, nut driver or Phillips screwdriver. Remove panels and set panels aside on a protective surface.



Min. Cutout Height	Wheel Position (See Illustration)	Number Of Turns To Adjust Levelers
34" (86.4cm)	1	9
34-1/8" (86.7cm)	2	6
34-5/16" (87.2cm)	3	3
34-1/2" (87.6cm)	4	0

- For additional height:
1. Add shims under the wheels.
 2. Turn front levelers (each turn is approximately 1/16" (1.6mm) in height).

Measure height of cabinet opening (C) from underside of countertop to floor. Check chart for that height opening. Put wheels (D) in the required position.



C

Drain hose connection

Connect drain hose to an air gap or waste tee using one of the recommended or alternate methods.

Recommended Connection Methods

Air Gap

Install Air Gap Kit (Part No. 300096) (A) according to kit instructions. If a different air gap is used, it should be checked to make sure it allows for the same air flow.

Drain hose (B) to air gap (A) to waste tee (C)

Cut drain end of drain hose as shown (D). Do Not cut ribbed section to shorten drain hose (E).

Secure drain hose to air gap with spring-type clamp (F). If spring-type clamp does not fit smaller section of drain hose connector, use a smaller clamp. Smaller clamps are available at plumbing supply stores.

Connect the air gap to waste tee using a rubber connector (G)* and spring- or screw-type clamps (H).

The waste tee connection **MUST** be ahead of the drain trap (I) and 20 inches (50.8cm) minimum above the floor (J).

Drain hose (K) to air gap (L) to disposer (M)

Knock out disposer inlet plug (N) from inlet. If inlet plug falls inside disposer, you must remove inlet plug before connecting drain hose. If disposer is already installed in sink, you may need to remove disposer from sink to remove plug.

DO NOT cut end of drain hose.

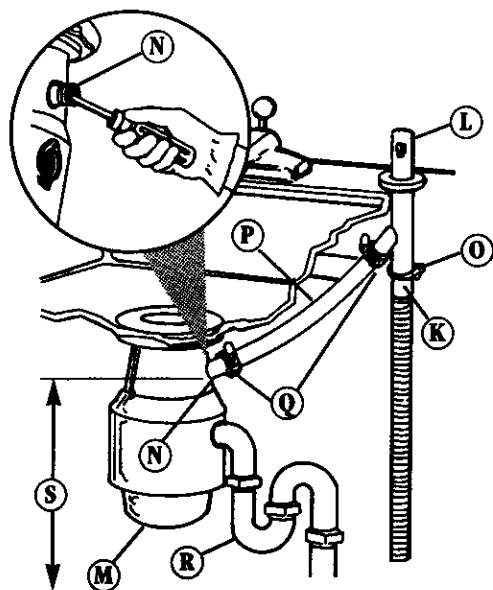
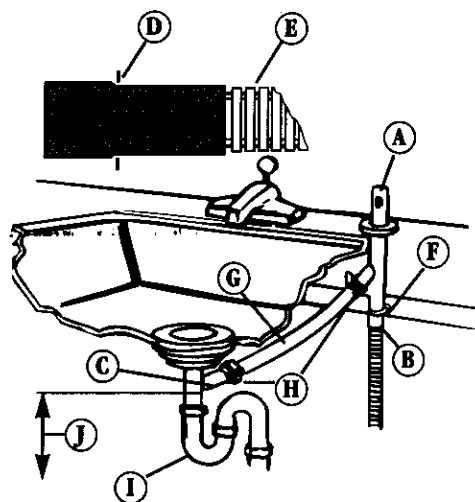
Secure drain hose to air gap with spring-type clamp (O).

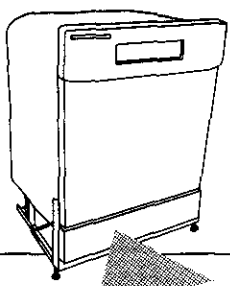
Connect the air gap to disposer using a rubber connector (P)* and spring- or screw-type clamps (Q).

Most disposers have 7/8" connectors, or special connectors are available at plumbing supply stores.

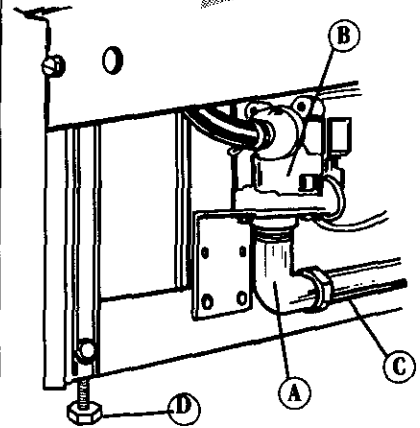
The disposer connection **MUST** be ahead of the drain trap (R) and 20 inches (50.8cm) minimum above the floor (S).

* All parts are available from your dealer.

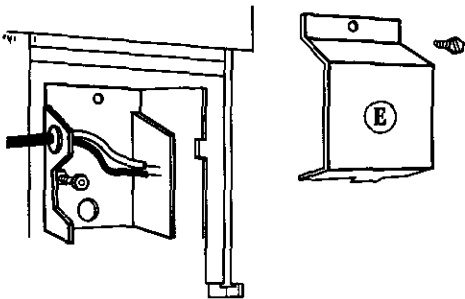


**D**

Water and electrical connection



Apply Teflon tape to 90° elbow fitting (A) and connect fitting directly to water inlet valve (B). Attach water supply line (C) to fitting. **Do Not allow the water pipe or tubing to contact the motor or dishwasher legs (D).** Turn on water supply and check for leaks.



Check electrical requirements. Be sure you have correct electrical supply and recommended grounding method. See Page 4.

If connecting dishwasher using direct wire method, check that power supply is disconnected.

⚠ WARNING



Electrical Shock Hazard

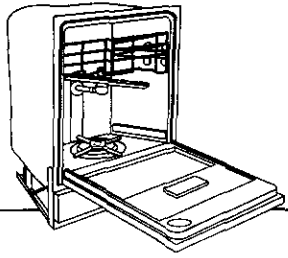
Electrically ground dishwasher.

Connect ground wire to green ground connector in terminal box.

Do not use an extension cord.

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

- Remove the dishwasher terminal box cover (E).

**E**

Attachment

⚠ WARNING

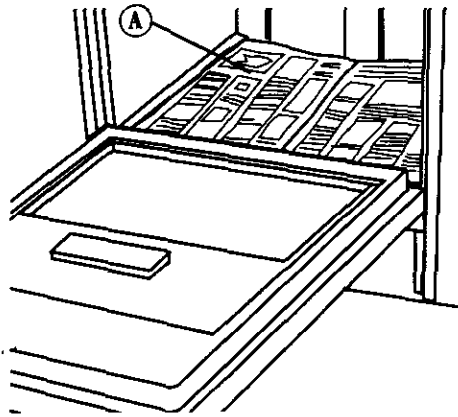


Tip Over Hazard

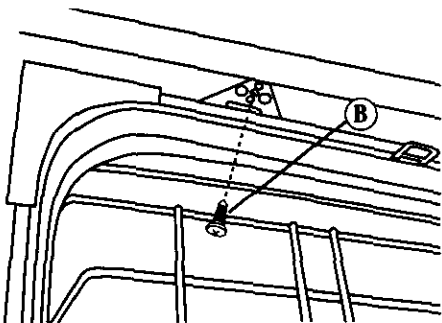
Do not use dishwasher until completely installed.

Do not push down on open door.

Doing so can result in serious injury or cuts.



Open dishwasher door and remove all shipping materials. Remove bottom rack. Place newspaper (A) or towel over bottom of dishwasher to prevent screws from falling into pump area when securing dishwasher to countertop.



The dishwasher **MUST** be secured to countertop or floor to keep it from tipping when door is opened.

Countertop attachment: Secure dishwasher to countertop with two, No. 10 x 1/2" Phillips-head screws (B).

Do Not drop screws into the bottom of the dishwasher. Screws, if dropped in pump area, may cause damage to pump or motor.

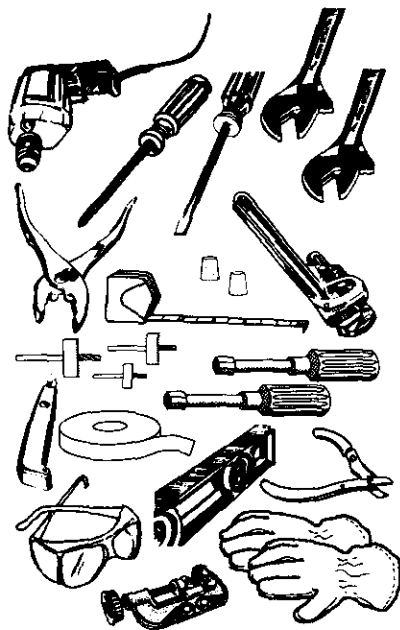
Floor attachment: Use floor attachment kit (Part No. 4378968) available from your dealer.

F

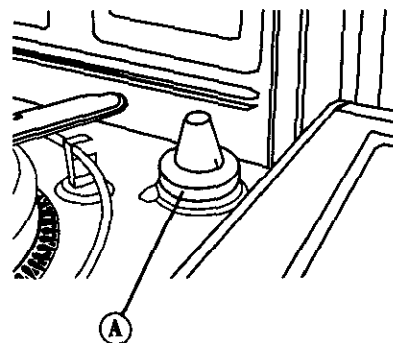
Check operation



Check that all parts have been installed (except access and lower panels) and no steps were skipped.



Check that you have all the tools you used.



Read the Use and Care Guide that came with your dishwasher.

Reconnect power supply to dishwasher. Set the dishwasher to run the "Normal" cycle. Start dishwasher and allow it to run for 2 minutes.

Open dishwasher door. The water level should be deep enough to cause the float (A) to float on the water. If the water level is correct, close the door and allow the dishwasher to complete the cycle.

If the dishwasher does not fill to the proper level, check the following:

- Is the shutoff valve in the water supply line completely open?
- Is the water supply line blocked or kinked?

Check that there are no water leaks. If there are water leaks, tighten fittings.

Need assistance?

The KitchenAid Consumer Assistance Center is open 24 hours a day, 7 days a week. Call 1-(800) 422-1230. The call is free within the continental United States. In Canada, call 1-(800) 461-5681 for English and 1-(800) 461-5703 for French.

Call the KitchenAid Consumer Assistance Center when you:

- ▶ Have questions about dishwasher installation or operation.
- ▶ Need to obtain the name and number of a KitchenAid-authorized service company.

If dishwasher does not operate, check these points:

- ▶ 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?
- ▶ Has electrical power been interrupted?
- ▶ Has the motor overloaded? It will reset itself within a few minutes.

If you need service:

Maintain the quality built into your appliance by calling a KitchenAid-authorized service company. To obtain the name and number of an authorized service company:

- ▶ Contact the dealer from whom you purchased the appliance;
- ▶ Look in the Yellow Pages of your telephone directory under "Appliances — Household — Major — Service and Repair;"
- ▶ or Call the KitchenAid Consumer Assistance Center.

When you call, you will need:

- ▶ The dishwasher model number.
- ▶ The dishwasher serial number.

Both numbers are listed on the model/serial rating plate located behind the door on the front frame of the dishwasher opening.