



KitchenAid®

D I S H W A S H E R - S I N K
C O M B I N A T I O N

KDC-40 & KDS-40

INSTALLATION INSTRUCTIONS

MR. INSTALLER: FINAL CHECK LIST

PLACEMENT OF DISHWASHER - SINK COMBINATION

- 1. Properly positioned—level, aligned and square with cabinet opening.
- 2. Anchored securely, either to cabinet or floor.
- 3. Installation debris removed from under dishwasher.

ELECTRICAL CONNECTION

- 1. Separate 115 volt, 60 hertz, 1 phase branch circuit with a 15 ampere minimum protected by a maximum of 15 ampere fuse size.
- 2. Dishwasher properly grounded.
- 3. All connections in conformance with local electrical code.

PLUMBING

- 1. Water supply at dishwasher: 20 to 120 P.S.I. pressure, temperature of 120° F. or higher and 1/2" O.D. (min.) copper tube.
- 2. Drain lines at least 5/8" O.D. copper tubing or equivalent without drain air gap and with no tight bends (kinks) or other restrictions to prevent complete draining.
- 3. Drain lines at least 9/16" I.D. copper tubing or equivalent with drain air gap and with no tight bends (kinks) or other restrictions to prevent complete draining.
- 4. Compliance with all aspects of local plumbing code.
- 5. Make sure drain hose does not touch any electrical components or terminals.

OPERATIONAL

- 1. All internal packing material, labels, and foam door pads removed.
Place detergent in both compartments of detergent dispenser, close covers and operate dishwasher through complete LOW ENERGY cycle.

Check: Proper Fill—Water level approximately 1-1/2" below centerline of 4 Way Hydro Sweep hub. Complete Drain.

Detergent Dispenser—must operate automatically and completely dispense detergent.

Dishracks, for freedom of movement and adjustment.

THANK YOU MR. INSTALLER:

1. Complete Installation Check List.
2. Leave all literature (Incl. Check List) for customer.
3. Notify dealer that electrical work and plumbing are completed.

FOR DETAILED INSTRUCTIONS, FOLLOW METHODS DESCRIBED IN THIS FOLDER

IMPORTANT: Read Before Installing to Save Time, Work, assure proper performance, and owner's warranty protection.

ELECTRICAL SPECIFICATIONS

Voltage & Frequency ---- 115 volts-60 hertz
 Operating load ----- 13.5 amperes
 Maximum Fuse Size ---- 15 amperes

Wiring must conform to local code and/or Nat. Electrical Code.

Plumbing must conform to local code. Use 1/2" O.D. (min.) copper tube for water line. Dishwasher has 3/8" I.P.S. Internal thread at valve. A 90° compression ell (furnished) should be used to connect tubing to valve. Water flow pressure at dishwasher to be 20 PSI to 120 PSI. Water temper-

CAUTION: Avoid getting joint compound inside new joints. Hot water fill line must be flushed of foreign matter before connection to dishwasher fill valve. A hand shut off valve (not furnished) should be located in an easily accessible area adjacent to the dishwasher.

ature at dishwasher should be 120° F. or higher. A 5/8" I.D. drain hose is furnished for connection to an air gap, waste disposer or the Drain "T." Drain "T" is furnished. Air Gap and Rinse Agent Kit accessories, if required, are available from your dealer or distributor.

INSTALLATION INSTRUCTIONS

1

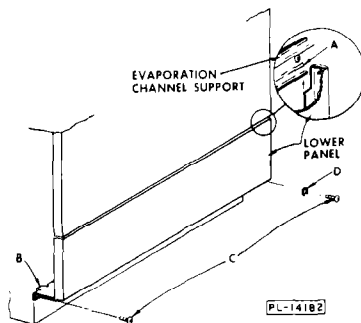


FIG. 1

The lower front panel must be removed to enable plumbing and electrical connections to be made. To remove lower panel, take out two screws (C) and lock washer (D). With index fingers, push support tabs (B) up, and pull bottom of lower panel outward to clear tabs of kickboard. Slide lower panel down until side flanges are clear of evaporation channel support (A). Reverse procedure when replacing lower panel.

2

To establish a reference line for purposes of providing plumbing and electrical connections to the dishwasher, measure 21" from the wall. (This is the front edge of dishwasher kick panel. There is a 3" toe space from the front of the kick panel to the front edge of the dishwasher with a standard metal front panel). For corner installation, allow 2" clearance for adjacent cabinet.

SHADED AREA SHOULD BE FREE OF ALL PLUMBING AND ELECTRICAL CONNECTIONS

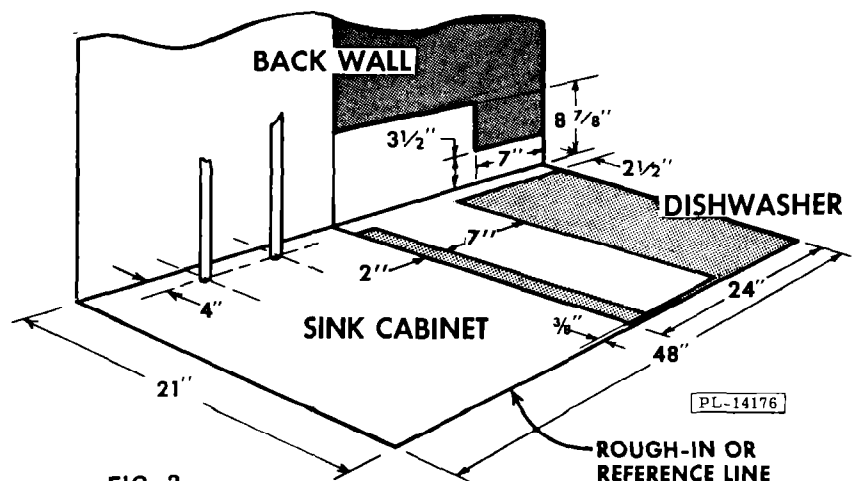


FIG. 2

3

LOCATING WIRING

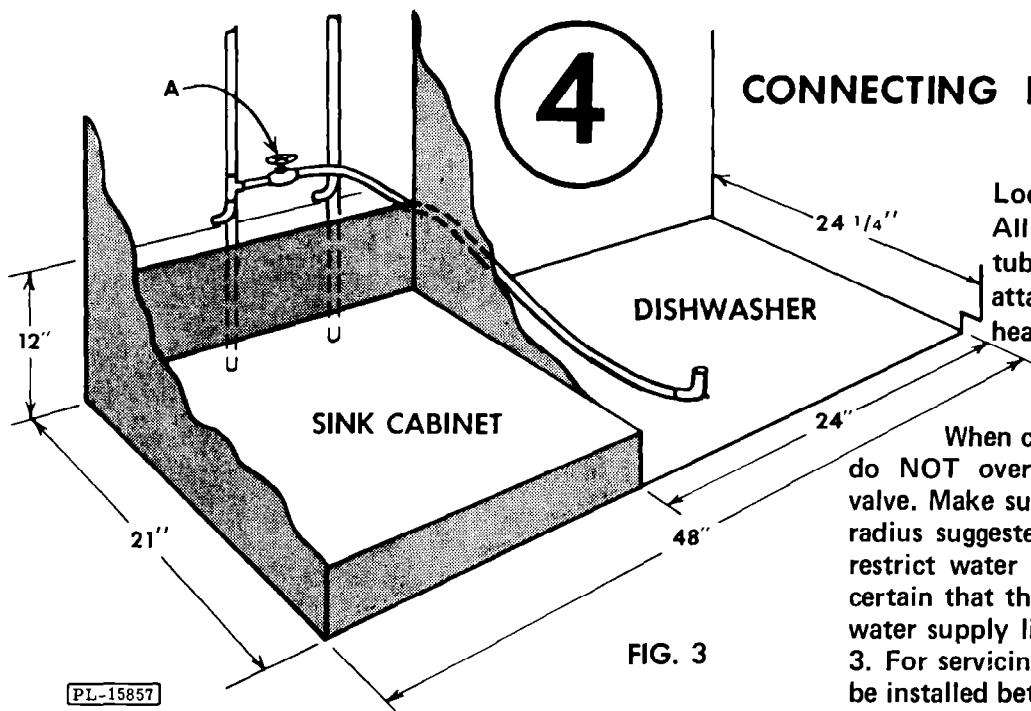
Before setting dishwasher in place, run individual 15 amp. minimum branch circuit with grounded electrical cable.

WARNING: BE SURE ELECTRICAL POWER IS TURNED OFF AT CIRCUIT BREAKER.

CAUTION: No other outlets or appliances should be placed on this circuit.

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CONNECTING FILL LINE



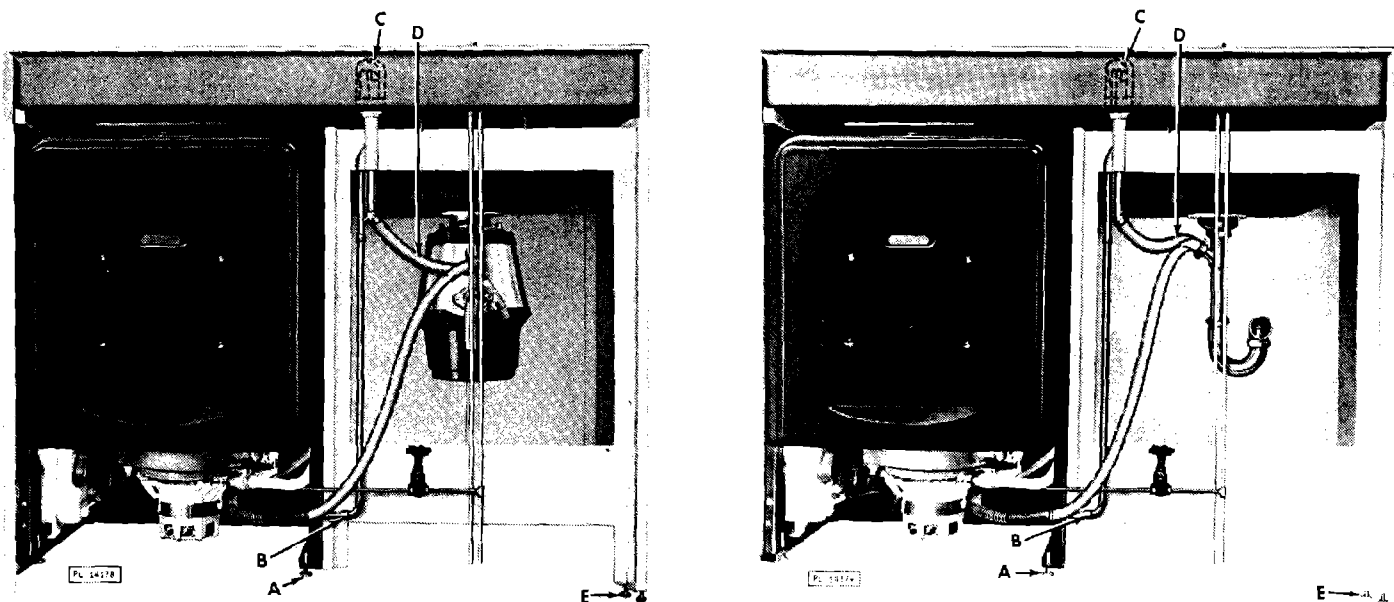
Locate hot and cold water lines as in Fig. 3. All sweat fittings for 1/2" O.D. copper tubing must be sweat into place before attaching to dishwasher to prevent excess heat on fill valve.

When connecting fill line to dishwasher fill valve, do NOT overtighten fitting which could damage fill valve. Make sure line has no sharp bends (5" min. bend radius suggested) that may produce kinks which might restrict water flow. Connect all water fill lines making certain that there is a hand shut off valve (A) in the hot water supply line to the dishwasher as illustrated in Fig. 3. For servicing dishwasher, it is recommended a union be installed between shut off valve and fill valve.

PL-15857

FIG. 3

**NOTE: Do Not Kink Drain Hose.
Minimum Size For All Dishwasher Drains Is 9/16" I.D.**



B-5/8" O.D. COPPER TUBING—NOT FURNISHED.
C—An adapter may be required if air gap is used (not furnished).
D—Flexible drain connection, where permitted by local plumbing codes must be 9/16" I.D. minimum.

FIG. 4

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CONNECTING DRAIN LINE

Dishwasher has pump out drain. Except during drain periods, drain valve is closed thus protecting the dishwasher from normal back flow from drain line. Connect dishwasher drain to meet local code. Do not install

check valve in drain line. See suggested installation (Fig. 4 and 5). Where drain air gap is required by local code, use type approved. Opening is provided on top of sink. When connecting dishwasher drain to a food waste

disposer, be sure to remove the knock-out (or threaded) plug in the disposer to insure proper drainage.

CAUTION: Make sure drain hose does not touch any electrical components or terminals.

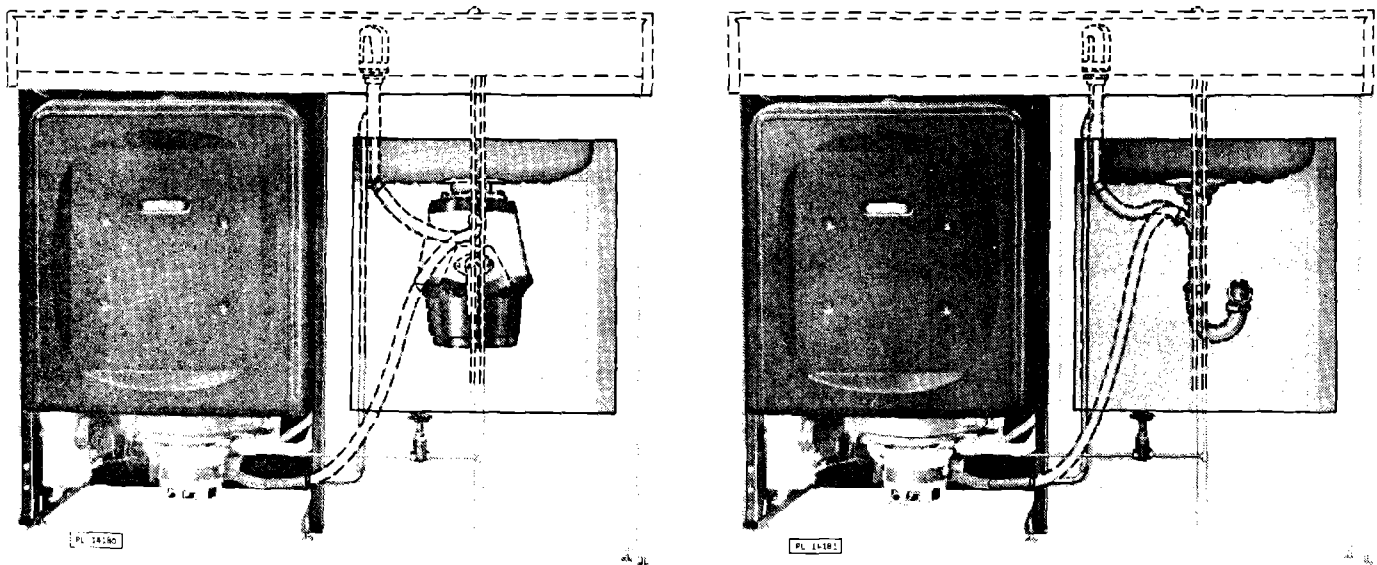


FIG. 5

Dotted lines indicate sink tops with and without disposer.

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FINAL POSITIONING

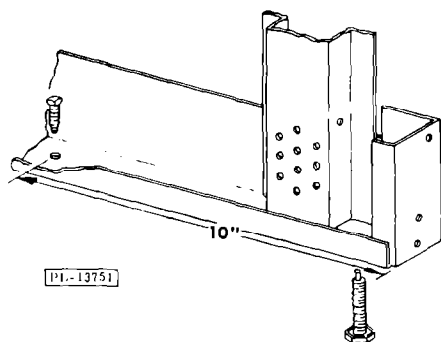


FIG. 6

CAUTION: Since dishwasher is attached to sink cabinet, any required dishwasher leveling feet adjustment, should be done with extreme care to avoid possible misalignment of sink cabinet doors.

Starting from the center of the dishwasher-sink, adjust the front and rear leveling feet (A, Fig. 4), then outside leveling feet. Cabinet doors should be perpendicular with cabinet opening and level across the top. If necessary, dishwasher leveling feet should be readjusted to attain correct cabinet door alignment. Cabinet leveling feet (E, Fig. 4) must be adjusted to complete final leveling. It may be necessary to anchor dishwasher to floor using 1/4" lag bolts or screw in hole provided. If required, use molding (furnished by installer) to cover any gap on either side of unit.

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IMPORTANT FOR SAFETY

CONNECT TO ELECTRICAL POWER AND GROUND

WARNING: BE SURE ELECTRICAL POWER IS TURNED OFF AT CIRCUIT BREAKER.

A—Remove junction box from dishwasher. B—Install approved connector (not furnished). C—Connect power cable white lead to white lead and black lead to black lead with adequate insulation or wire nuts and ground wire under green ground screw or lug. Reinstall junction box.

When house wiring is aluminum, use U.L. approved aluminum to copper connectors.

The dishwasher must be properly grounded before operating by connecting the chassis ground lug terminal to a suitable ground complying with National Electrical Code and/or local electrical code.

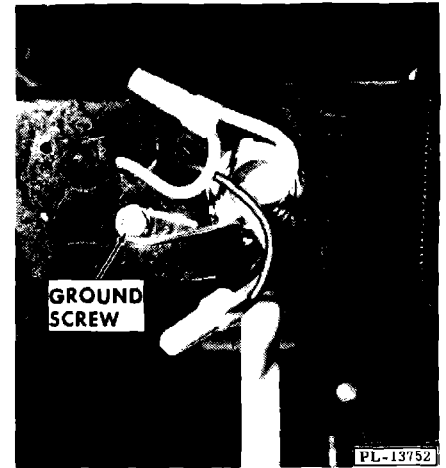


FIG. 7

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TESTING INSTALLATION

Remove installation debris from under dishwasher, foam door pads on each side and near top of tank, and all internal packing material and labels. NOTE: Do not remove white plastic glides on sides of door or white plastic bumpers on front corners of lower rack.

Custom and Imperial Models

Close door and latch handle. Turn on electrical and water supplies. Turn Cycle Selection Dial clockwise until it clicks in "Heavy Wash" position. Push "Heavy Wash" button and allow dishwasher to run through the complete cycle to make certain it is operating properly. Turn off electrical power, remove lower panel and check for leaks. Reinstall lower panel and turn on electrical power.

Patrician and Superba Models

Close door and latch handle. Press "Cancel Cycle" button; timer will automatically advance to off. Lift door handle and wait for timer to reset itself. Latch door handle and press "Heavy Wash" button. Run dishwasher through the complete cycle to make certain it is operating properly. Turn off electrical power, remove lower panel and check for leaks. Reinstall lower panel and turn on electrical power.

CAUTION

For installation when the dishwasher is to be left unused in freezing temperature: Turn off electrical power and shut off water supply at the hand valve. Remove lower panel. Disconnect both inlet and outlet lines at the DRAIN valve. This permits water to drain from the dishwasher tank, pump and drain line. Disconnect both the inlet and outlet lines at the FILL valve. Make provisions to control water drained from unit. Reinstall lower panel. Turn on electrical power.

On Custom and Imperial models, close door and latch handle. Turn Cycle Selection Dial until it clicks in "Rinse & Hold" position. Push "Rinse & Hold" button and allow machine to run until it turns off. Turn off electricity.

On Patrician and Superba models, close door and latch handle. Push "Rinse & Hold" button. Allow machine to run four or five minutes. Push "Cancel Cycle" button and wait for machine to turn off. Turn off electricity.

To complete installation later:

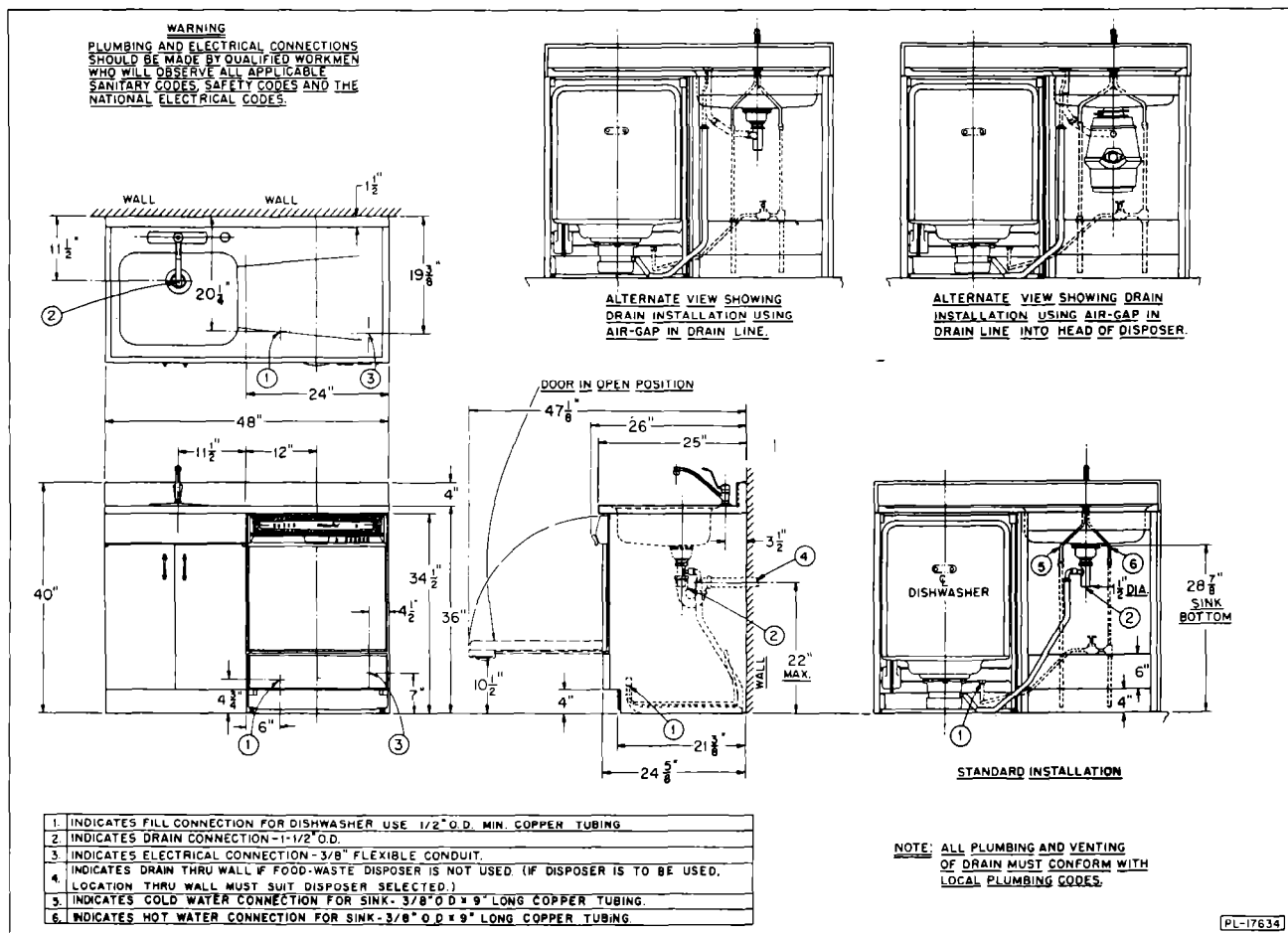
Remove lower panel.

Connect drain and fill valves (both inlet and outlet).

Reinstall lower panel.

Turn on water and electrical supplies.

DETAILS AND CONNECTIONS



KDC-40 & KDS-40 BASIC DIMENSIONS

KITCHENAID DIVISION



TROY, OHIO 45374