

# **MR. INSTALLER: FINAL CHECK LIST**

#### PLACEMENT OF DISHWASHER - SINK COMBINATION

- 1. Remove corrugated motor block packing from rear of unit after dishwasher is removed from skid.
- **2.** Properly positioned—level, aligned and square with cabinet opening.
- **3.** Anchored securely, either to cabinet or floor.
- **4. 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 140° F. to 160° F. 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 cover(s) and operate dishwasher through complete "Normal Cycle." Note: KDC has cover over only one of two compartments.

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 - KDS-38 7.9 amperes - KDC-38 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 white lead or lubricant 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 140°F. to 160°F. 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**

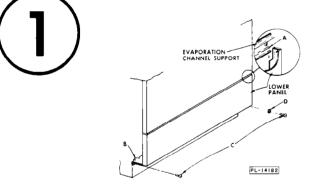
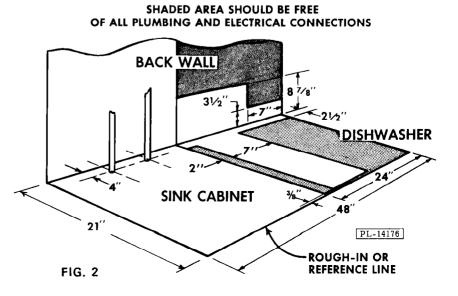


FIG. 1

Locate top of lower panel just below evaporation channel support. Insert panel flange under evaporation channel support ends "A" and push up to engage top of panel. Lift up lower bottom flange of panel, place flange "B" over front face of frame and push in. Assemble lock washer "D" under head of one screw to ground dishwasher. Fasten panel with two screws "C" furnished. If a wood or laminate front is to be used and these panels are not immediately available, use back-up panel furnished with trim kit. Stainless steel trim should be used to assemble wood or laminate when available. Reverse procedure when removing lower panel.



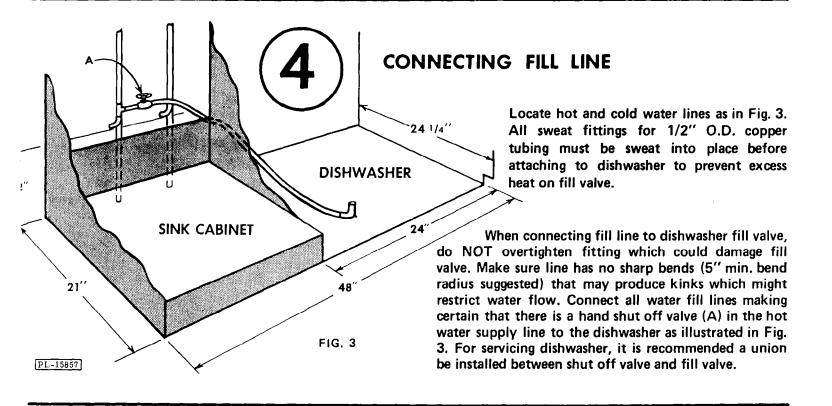
To establish a reference line for purposes of providing plumbing and electrical connections to the dishwasher, measure 21" from the wall. (This is the front edge of dishwasher kick panel. There is a 3" toe space from the front of the kick panel to the front edge of the dishwasher with a standard metal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



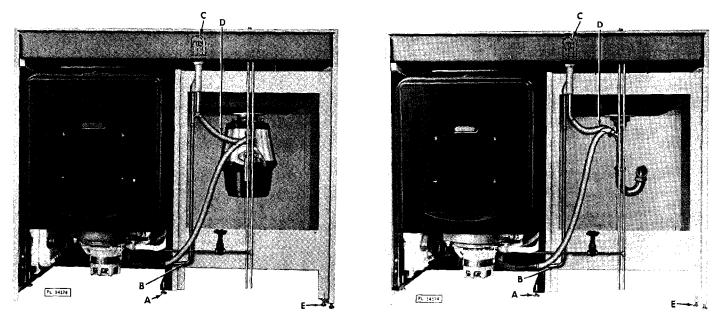


**LOCATING** Before setting dishwasher in place, run individual 15 amp. minimum branch circuit with grounded electrical cable.

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



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



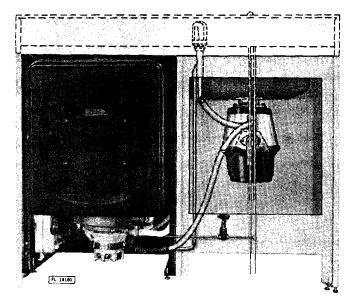
B-5/8" O.D. COPPER TUBING-NOT FURNISHED.
C-An adapter may be required if air gap is used (not furnished).
D-Flexible drain connection, where permitted by local plumbing codes must be 9/16" I.D. minimum.



## 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.



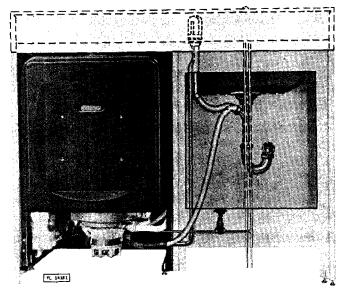


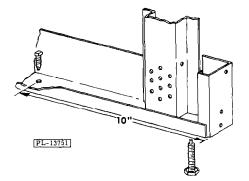
FIG. 5

Dotted lines indicate sink tops with and without disposer.



## FINAL POSITIONING

Remove corrugated motor block packing after dishwasher is removed from skid. With unit in position, make sure it is level.



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.



# **IMPORTANT FOR SAFETY**

## CONNECT TO ELECTRICAL POWER AND GROUND

A-Remove junction box on 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.

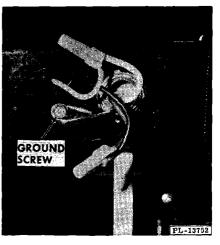


FIG. 7



## **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 DOOR BUMPER.

Turn on electrical power and water supply. Turn Action Indicator clockwise to the OFF position (Custom model). On Superba model, press "Cancel-Drain" button; timer will advance to "OFF" automatically. Lift door handle. Wait for Timer to automatically reset itself (necessary for initial installation test of Superba only). Then, push door handle down to lock position and press "Normal Cycle" button on Custom model. Press "Sani-Cycle" button on Superba. Run dishwasher through the complete cycle to make certain it is operating properly. Turn off electrical power and check for leaks. If no leaks, turn on electrical power. For installation when the dishwasher is to be left unused in freezing temperatures: Turn off electrical power. 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. Then, push door handle down to lock position and push "Normal Cycle" button. Let dishwasher run through first pre-rinse only (approximately four minutes) to drain all water trapped in the dishwasher. Turn off electricity. To complete installation later:

#### Connect drain and fill valves-both inlet and outlet. Reinstall lower panel.

Turn on water and electrical supply. Then push button for cycle desired.

#### WARNING ECTRICAL CONNECTIONS BY QUALIFIED WORKMEN E ALL APPLICABLE SAFETY CODES AND THE ICAL CODES. ELECTRICA - 1 불 c 115 197 201 ALTERNATE VIEW SHOWING DRAIN TERNATE VIEW SHOW 2 DRAIN INSTALLATION USING INSTALLATION USING AIR-GAP IN DRAIN LINE INTO HEAD OF DISPOSER AIR-GAP IN DRAIN LINE 3 (1)DOOR IN OPEN POSITION 24 47 26 25 -115 -12"-6) 11 G 34 5 28'7 DISHWASHER DIA 40 SINK BOTTOM 4<u>1</u> 2 5 22 <u>MAX</u> 6' 103 4 3 \*\*\*\*\*\*\* $\odot$ $\widehat{}$ Ä ℑ 21 } --24 3 STANDARD INSTALLATION 1. INDICATES FILL CONNECTION FOR DISHWASHER USE 1/2" 0.D. MIN. COPPER TUBING 2. INDICATES DRAIN CONNECTION -1-1/2" 0.D. ALL PLUMBING AND VENTING OF DRAIN MUST CONFORM WITH LOCAL PLUMBING CODES. 3. INDICATES ELECTRICAL CONNECTION - 3/8" F FLEXIBLE CONDUIT. E DISPOSER IS NOT USED. (IF DISPOSER IS TO BE USED. LOCATION THRU WALL MUST SUIT DISPOSER SELECTED.) INDICATES COLD WATER CONNECTION FOR SINK- 3/8"0.D × 9" LONG COPPER TUBING , INDICATES HOT WATER CONNECTION FOR SINK - 3/8" O D x 9" LONG COPPER TUBING PL-15858

# **DETAILS AND CONNECTIONS**

KDC-38 & KDS-38 BASIC DIMENSIONS

KITCHENAID DIVISION HOBART

TROY, OHIO 45374

#### FORM 12194D (Rev. 8-78) (Supsds. F. 12194C, 4-78)

4177825

CAUTION

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