INSTALLATION INSTRUCTIONS FOR YOUR NEW
30" DROP-IN RANGE

Before you begin—Read these instructions completely and carefully.

IMPORTANT—Save these instructions for local inspector's use.

IMPORTANT—OBSERVE ALL GOVERNING CODES AND ORDINANCES.

Note to Installer—Be sure to leave these instructions with the Consumer.

OWNER—Keep these instructions for future reference.

NOTE—This appliance must be properly grounded.

CAUTION:

For personal safety remove house fuse or open circuit breaker before beginning installation.

IMPORTANT SAFETY INSTRUCTIONS

- Put the range near a work surface for convenience.
- The cooktop should be easy to reach and lighted with natural light during the day.
- Be sure your range is installed properly by a qualified installer or service technician.
- To reduce the risk of burns or fire by reaching over heated surface units, cabinet storage space located above the surface units should be avoided. If cabinet storage space is to be provided, the risk will be reduced by installing a range hood that projects horizontally a minimum of five inches beyond the bottom of the cabinets.
- Be sure the range is securely installed in a cabinet that is firmly attached to the house structure. Weight on the oven door could cause the oven to tip and result in injury. Never allow anyone to climb, sit, stand or hang on the oven door.

See Figure 2 and Figure 3 for all minimum clearance dimensions. These dimensions must be met for safe use of your range.

TOOLS YOU WILL NEED

- Hand or electric drill
- Hand or saber saw
- Flat blade screwdriver
- Pencil
- Ruler or tape measure
- Straightedge
- 1/8" drill bit

This range is designed to hang from the countertop. It does not rest on the floor.

If countertop is less than 1 1/2" thick, reinforcing braces must be installed under the countertop, on each side. See Fig. 1.

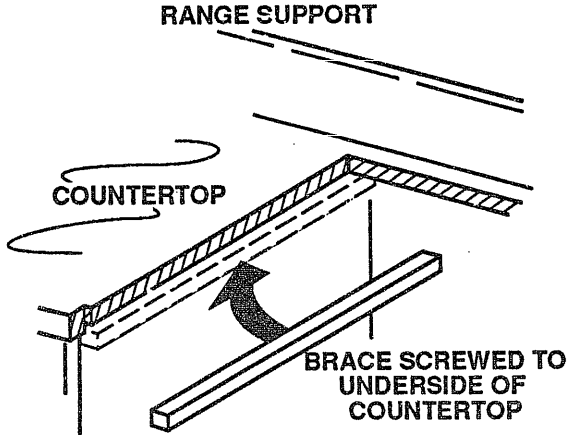

Fig. 1

30" Drop-in ranges conform to requirements for 3" minimum spacing between range & adjacent side walls above countertop.

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POWER REQUIREMENTS

This appliance must be supplied with the proper voltage and frequency, and connected to an individual, properly grounded branch circuit, protected by a circuit breaker or time delay fuse, as noted on rating plate.

Wiring must conform to National Electrical Codes. You can get a copy of the National Electrical Code, ANSI/ NFPA No. 70-Latest Edition by writing:

National Fire Protection Association
Batterymarch Park
Quincy, MA 02269

We recommend that you have the electrical wiring and hookup of your counter unit done by a qualified electrician. After installation, have the electrician show you where your main disconnect is located.

The range connection wires are approved for copper wire connection only, and if you have aluminum house wiring, you must use special UL approved connectors for joining copper to aluminum.

You must use a three-wire, A.C. 60 Hertz electrical system. Either a 208Y/120 Volt or a 120/240 Volt electrical system may be used for all models.

Use a minimum wire size of No. 8 copper wire protected with a 40 Amp. fuse or circuit breaker.

DIMENSIONS AND CLEARANCES

The following minimum clearance dimensions and all dimensions marked min. in Fig. 2 and 3 must be maintained:

- 30" minimum clearance between the top of the cooking surface and the bottom of an unprotected wood or metal cabinet, *or*
- 24" minimum clearance when bottom of wood or metal overhead cabinet is protected by not less than 1/4" thick flame resistant millboard covered with not less than No. 28 MSG sheet metal, 0.015" thick aluminum or 0.020" thick copper.
- For microwave ovens (U.L. listed over the range installations), the ovens can be installed above the cooktop as per manufacturer's installation instructions.

JUNCTION BOX SOMMERSE 1-6024 P106
BELOW FLOOR OF CABINET
OR IN SIDE CABINETS

STEP 1: PREPARE THE OPENING

1. Install base cabinets 30" apart, and be sure they are plumb and level before attaching the countertop.
2. Lay out the cutout opening on the countertop per Fig. 2. (Countertop cutout shown in Fig. 2 assumes a standard installation in a 25" deep counter with a standard 1" overhang.) If the overhang is less than 1", the range front side trims and control panel end caps will extend into the 30" cutout. If the overhang is greater than 1", a gap between the cabinet face and the range front side trims will exist. A molding may be fitted to provide a more custom appearance. Before cutting, check for dimension marked min. (Fig. 2). If these dimensions are not met, the product can be moved forward on the countertop. (Decrease the cutout dimensions 22 13/16" & 1 1/8" by the amount of the forward movement.) This will make the end caps extend forward in front of the countertop and may create a gap between the range front trims and the cabinet face. If this occurs, fit molding as above. If the countertop has a formed, raised front ("bull nose"), the counter must be flat at the back edge of the notch. If it is not flat at the back edge of the notch, the raised area must be filed or cut away to fit.
3. Make cutout. If the countertop is not 1 1/2" thick, install reinforcing braces under the countertop as shown on page 1, Fig. 1.
4. Install the wiring junction box in an adjoining cabinet or under the floor. Cut a 1 1/2" dia. hole to bring the electrical cable from the range to the junction box. The junction box must be located so that there will be enough slack in the connected cable to allow the range to be pulled forward several inches for service if necessary.

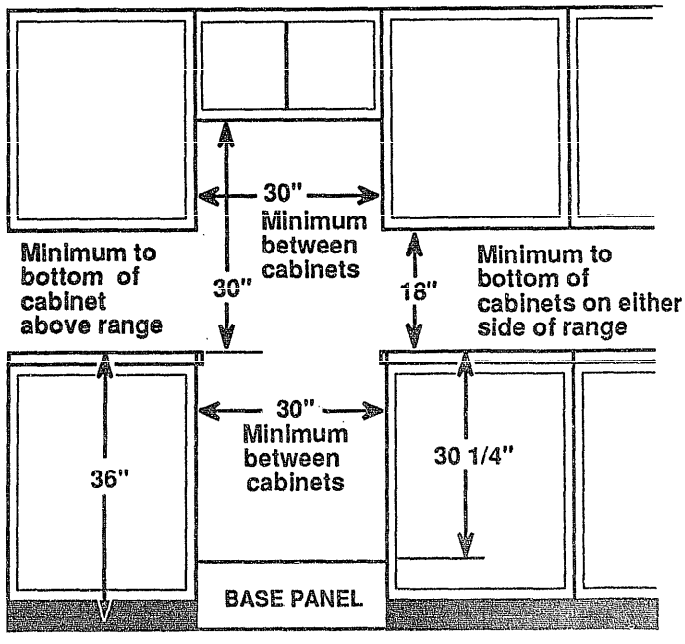


Fig. 2

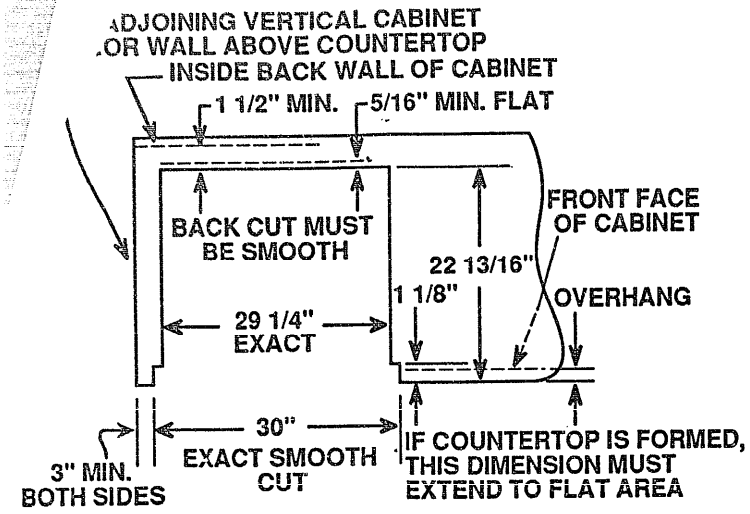
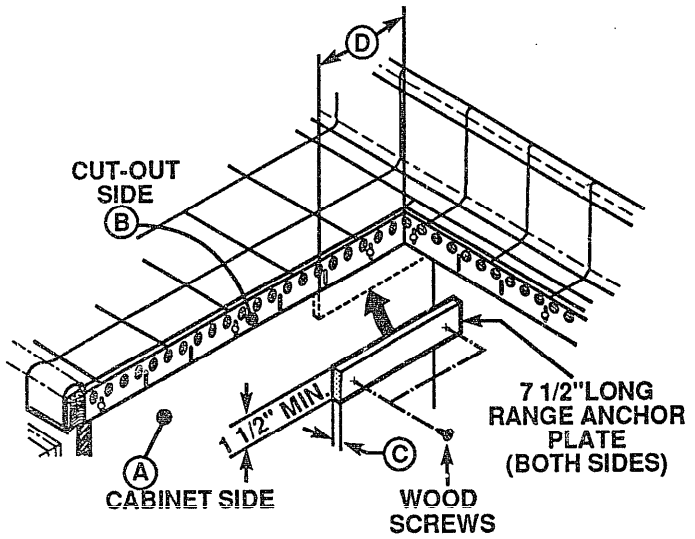


Fig. 3

PREPARING A CERAMIC TILE COUNTER



DIM. (C) = DIFFERENCE BETWEEN SURFACES (A) AND (B) AND NOT LESS THAN 3/8"
DIM. (D) IS 6" FORWARD OF REAR CUT-OUT.

Fig. 4

STEP 2: ELECTRICAL CONNECTIONS

CAUTION: Before connecting power to this range, be sure all control knobs are in the off position.

1. **De-energize range branch circuit.**
2. With range in front of opening, push flexible electrical cable through hole in floor or adjacent base cabinet and attach it to the house junction box. Do not shorten this cable. The flexible cable connector must be securely attached to the junction box and the flexible cable must be securely attached to the connector. If the flexible cable will not fit within the connector, do not install the range until a connector of the proper size is obtained.

- **When connecting to a 3-conductor branch circuit,** if local codes permit, connect the range bare ground conductor with the crimped neutral (white) lead to the branch circuit neutral (white or gray in color), the range red lead to the branch circuit red lead and the range black lead to the branch circuit black lead in accordance with local codes.

SPECIAL GROUNDING INSTRUCTIONS

- **When connecting to a 4-conductor branch circuit,** ***or***
- **When installing range in a mobile home,** ***or***
- **When local codes do not permit grounding through neutral:**

1. Cut the neutral (white) lead from the crimp. Restrip the neutral (white) lead to expose the proper length of conductor.
2. Attach the appliance grounding lead (green or bare copper) to the residence grounding conductor (green or bare) in accordance with local codes. If the residence grounding conductor is aluminum, see "WARNING" note.
3. Connect the range neutral (white) lead to the branch circuit neutral (white or gray) in accordance with local codes.
4. Connect the range red lead to the branch circuit red lead and the range black lead to the branch circuit black lead in accordance with local codes. If the residence red and black leads are aluminum conductors, see "WARNING" note.

NOTE TO ELECTRICIAN: The three power leads supplied with this appliance are U.L. recognized for connection to larger gauge household wiring. The insulation of these three leads is rated at temperatures much higher than the temperature rating of household wiring. The current carrying capacity of a conductor is governed by the temperature rating of the insulation around the wire rather than the wire gauge alone.

WARNING: IMPROPER CONNECTION OF ALUMINUM HOUSE WIRING TO THESE COPPER LEADS CAN RESULT IN A SERIOUS PROBLEM. USE ONLY CONNECTORS DESIGNED FOR JOINING COPPER TO ALUMINUM AND FOLLOW THE MANUFACTURER'S RECOMMENDED PROCEDURE CLOSELY.

STEP 3: INSTALLATION

BE SURE RANGE BRANCH CIRCUIT IS DE-ENERGIZED.

1. Remove oven door.
   - Open the door to the stop position (See Fig. 5.)
   - Grasp the door at each side and lift up and off the hinges.

NOTE: When the door is removed and hinge arms are at stop position, do not bump or try to move the hinge arms. The hinges could snap back causing injury to the hands or damage to the porcelain on the front of the range. Cover the hinges with toweling or empty towel rolls while working in the oven area.

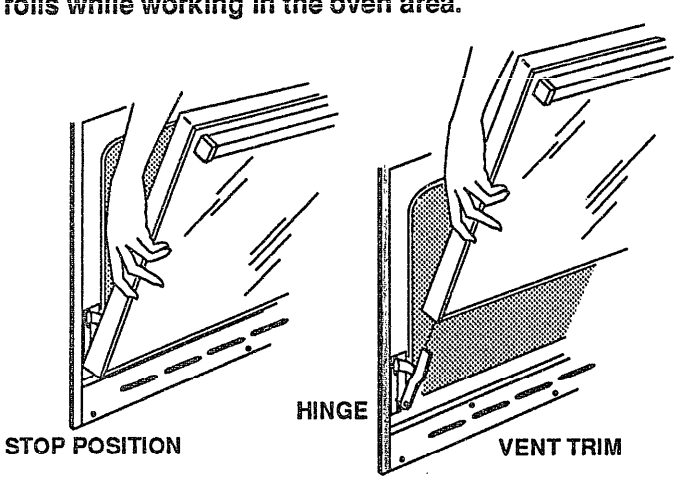


Fig. 5

To replace:

1. Hold the door over the hinges with the slots at the bottom edge of the door lined up with the hinges. The hinge arms must still be in the stop position.

   Slide the door down onto the hinges as far as it will go and close the door.
2. Position the range in opening.
   - Raise lift-up cooktop and support it with cooktop support rod.
   - Drill 1/8" diameter pilot holes into countertop using holes in upper side panels. Attach range to countertop with screws provided in literature package. Refer to Fig. 6.
   - Drill 1/8" diameter pilot holes into the range anchor plate, both sides. Attach the range to the counter using the 2 - 2 1/2" screws provided in the literature package. Refer to Figures 4 and 6.

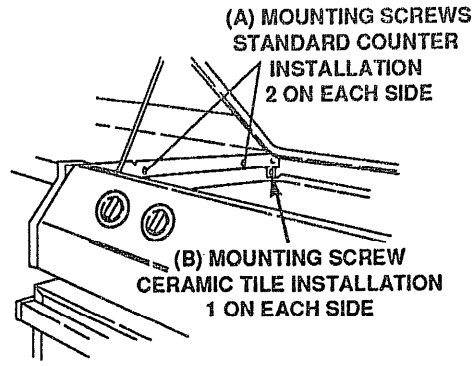


Fig. 6

To eliminate the risk of burns or fire by reaching over heated surface units, cabinet storage space located above the surface units should be avoided. If cabinet storage is to be provided, the risk can be reduced by installing a range hood that projects horizontally a minimum of 5 inches beyond the bottom of the cabinets.

Be sure the range is secured in a counter that is firmly attached to the house structure. Weight on the oven door could cause the range to tip and result in injury. Never allow anyone to climb, sit, stand or hang on the oven door.