

# INSTALLATION INSTRUCTIONS FOR YOUR NEW 27" 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.**  
**Note to Consumer - Keep these instructions with your Use and Care Book for future reference.**



**CAUTION: For Personal Safety remove house fuse or open circuit breaker before beginning installation. Failure to do so could result in serious injury or death.**

## TOOLS YOU WILL NEED

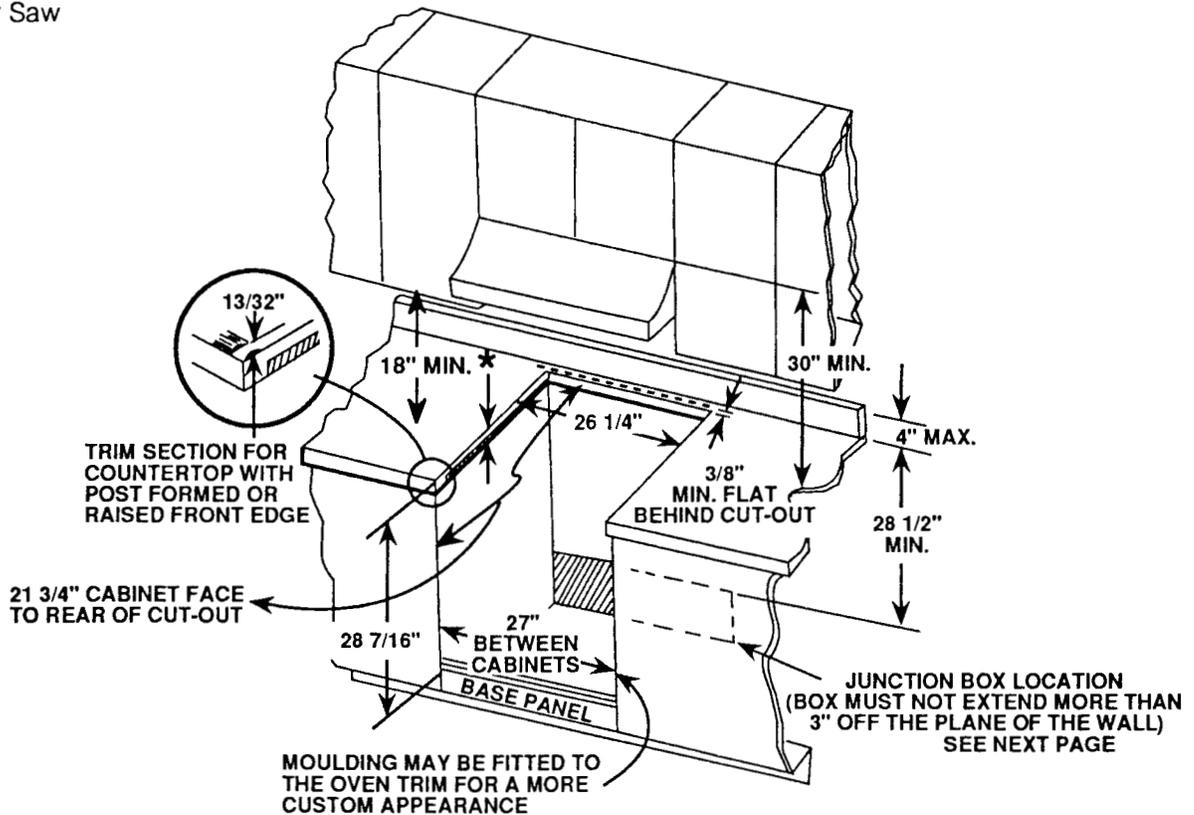
- Large blade screwdriver
- Channel lock pliers
- Phillips head screwdriver
- Hand or Electric Drill
- 1/8" Drill Bit
- Hand or Saber Saw
- Tape Measure
- Straight Edge
- Pencil

## ADDITIONAL MATERIALS

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 Figure 1.

**NOTE: Remove all protective plastic coating from door frame before installation.**



\*IF NEEDED, BUILD UP SIDES OF CUTOUT TO A MIN. OF 1 1/2" TOTAL THICKNESS (FULL DEPTH OF CUTOUT).

Fig. 1

## LOCATION

- Be sure the oven is securely installed to a cabinet that is firmly attached to the house structure. Weight on the oven door could potentially cause the range to tip and result in injury. Never allow anyone to climb, sit, stand, or hang on the oven door.
- A 30" minimum clearance is required between the top of the cooking surface and the bottom of an unprotected wood or metal cabinet.
- Put the range near a work surface for convenience.
- The cooktop should be easy to reach and lighted with natural light during the day.
- 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 can be reduced by installing a range hood that projects horizontally a minimum of 5" beyond the bottom of the cabinets.
- See Figure 1 for all rough-in and spacing dimensions. These dimensions must be met for safe use of your range.
- Locate a wiring junction box at the rear of the cutout. The dimension from the top of the wiring junction box to the countertop must be a minimum of 28 1/2". The box must not extend more than 3" off the plane of the wall. See Fig. 1. The junction box must be located where it will allow considerable slack in the range conduit, so that the range can be pulled for servicing if necessary.
- Make sure the wall coverings, countertops and cabinets around the range can withstand temperatures of up to 200°F generated by the oven, range or cooktop.

### WHEN INSTALLING RANGE IN COUNTERTOP WHICH IS CUT OUT TO THE WALL

If you have an existing 27" wide cutout that goes all the way to the wall, you may want to buy a backsplash kit for your range. Order Kit JX27RWH (White), Kit JX27RBK (Black) or Kit JX27RAD (Almond). This kit will fill in the space between the back of the range and the wall. See Figures 2, 3 and 4.

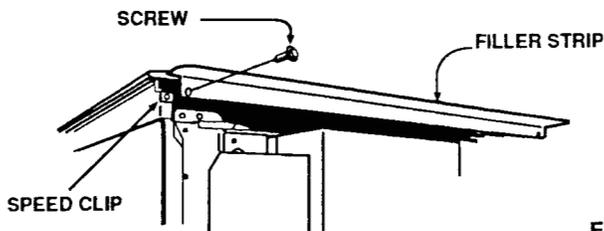


Fig. 2

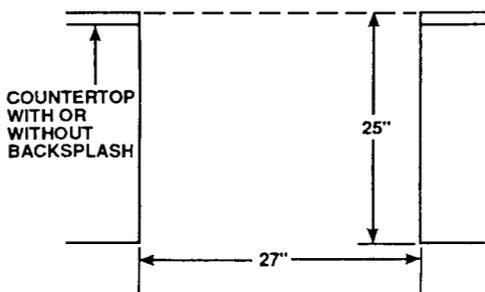


Fig. 3

**NOTE: If the distance from the back wall to the front of the counter backsplash (Dimension A in Fig. 4) is greater than 1 1/8", there will be a small gap between the wall and the edge of the backguard. This is normal and should not be visually objectionable (See Figs. 3 & 4).**

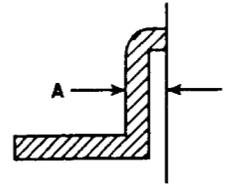


FIG. 4

## ELECTRICAL 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 fuse, having amperage as noted on rating plate. (Rating plate is located on oven front frame and is visible when oven door is opened.)

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

Check with your local utilities for electrical codes which apply in your area. Failure to wire your range according to governing codes could result in a hazardous condition. If there are no local codes, your range must be wired and fused to meet the requirements of the National Electrical Code, ANSI/NFPA No. 70-Latest Edition. You can get a copy by writing:

National Fire Protection Association  
Battery March Park  
Quincy, MA 02269

Effective January 1, 1996, the National Electrical Code requires that new, but not existing, construction utilize a 4 conductor connection to an electric range. When installing an electric range in a new construction, follow the instructions in NEW CONSTRUCTION AND FOUR-WIRE CORD CONNECTION KIT.

You must use a three-wire, single phase A.C. 208Y/120 Volt or 120/240 Volt, 60 Hertz electrical system. If you connect to aluminum wiring, properly installed connections approved for use with aluminum wiring must be used.

## ELECTRICAL CONNECTION

1. De-energize oven branch circuit.
2. With oven in front of cabinet opening, connect flexible conduit to the junction box in such a manner that it will hang down in a natural loop against the left side of the back wall when the oven is installed. Do not shorten this flexible conduit. A flexible conduit connector must be securely attached to the junction box and the flexible conduit must be securely attached to the connector. If the flexible conduit will not fit within the connector, do not install the oven until a connector of the proper size is obtained.

All new construction, mobile homes and installation, where local codes do not allow grounding through neutral, require a four-conductor branch circuit. For existing construction, a three-conductor branch circuit connection may be used.

**NOTE TO ELECTRICIAN: The three power leads supplied with this appliance are UL 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 the conductor is governed by the temperature rating of the insulation around the wire, rather than the wire gauge alone.**

## NEW CONSTRUCTION AND FOUR-CONDUCTOR BRANCH CIRCUIT CONNECTION

- When installing in a new construction, 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. Re-strip the neutral (white) lead to expose the proper length of conductor.
  2. Attach the appliance grounding lead (green or bare copper) to the branch circuit grounding conductor (green or bare) in accordance with local codes. If the branch circuit 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. If the branch circuit neutral conductor is aluminum see **“WARNING”**note.
  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 .

## THREE-CONDUCTOR BRANCH CIRCUIT CONNECTION

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

**WARNING: Improper connection of aluminum house wiring to copper leads can result in an electrical hazard or fire. Use only conductors designed for joining copper to aluminum and follow the manufacturer’s recommended procedure closely.**

## INSTALLING THE RANGE



**WARNING: Be sure range branch circuit is de-energized.**

### REMOVE OVEN DOOR

1. Open the door to the broil stop position (see Fig. 5).

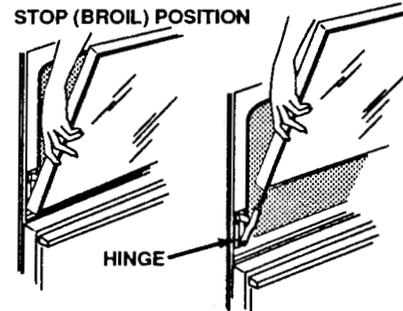


Fig. 5

2. Grasp the door at each side and lift up and off the hinges.



**CAUTION: 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 an injury to the hands or damage to the porcelain on the front of the range. Cover the hinges with toweling or insert empty towel rolls behind the hinges while working in the oven area.**

### POSITIONING THE RANGE IN OPENING

3. Raise lift-up cooktop and support it with cooktop support rod (see Fig. 6).
4. Attach lower trim to front frame and side trim with screws provided in the literature package (see Fig. 7).
5. Drill 1/8" diameter pilot holes into countertop using holes in upper side panels. Attach range to countertop with four screws provided in literature package (see Fig. 6).

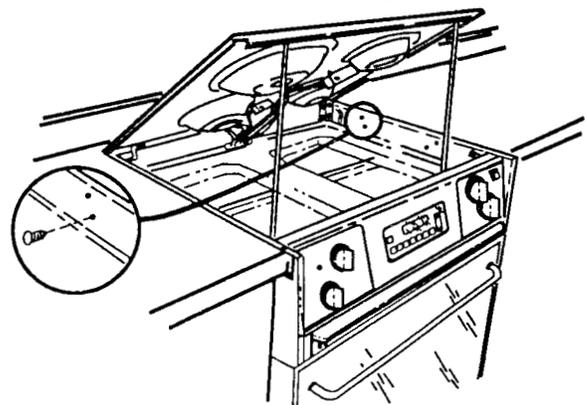


Fig. 6



**CAUTION:** The bottom of the trim provides an opening for cooling air to enter the cabinet. This opening should never be blocked.

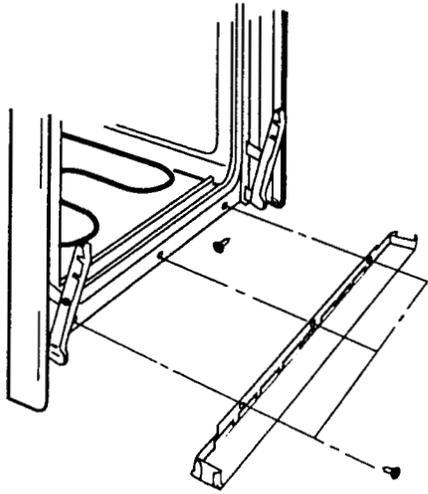


Fig. 7

## REPLACE OVEN DOOR

5. 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.
6. Slide the door down onto the hinges as far as it will go and close the door (see Fig. 5 on previous page).

## OPTIONAL KIT

You may purchase a Backsplash Kit from your GE dealer. Order kit JX27RWH (white), kit JX27RBK (black) or kit JX27RAD (almond). Follow installation instructions in the kit.

**NOTE:** The backsplash kit attaches to the counter.

