

# Installation Instructions

## 27" Built In Wall Oven/ with Microwave

JKP85

**"If you have questions, call 800-GE-CARES** or visit our website at: [www.GEAppliances.com](http://www.GEAppliances.com)"

### Before you begin

Read these instructions carefully and completely

- **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.

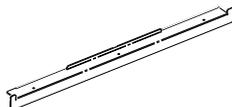
#### • ATTENTION INSTALLER!!

- All electric wall ovens must be hard wired (direct wired) into an approved junction box. A "plug and receptacle" is NOT permitted on these products
- **NOTE**- This appliance must be properly grounded.

### Parts Included

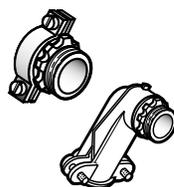


8 flat head screws side trim  
3 Pan head screws bottom trim

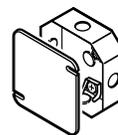


Bottom Trim

### Materials Needed



Strain Relief  
Clamp



Junction  
Box



Wire Nuts



36" of String

### Tools You Will Need



1/8" Drill Bit &  
Electric or  
Hand Drill



Phillips  
Screwdriver

# Installation Instructions

## IMPORTANT SAFETY INSTRUCTIONS

### For Your Safety

- Be sure your oven is installed properly by a qualified installer or service technician.
- Be sure the oven 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.
- Make sure the cabinets and wall coverings around the oven can withstand the temperatures (up to 200°F.) generated by the oven.



**CAUTION: The electrical power to the oven supply line must be shut off while line connections are being made. Failure to do so could result in serious injury or death.**

### 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 side trim.)

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

Check with your local utilities for electrical codes which apply in your area. Failure to wire your oven 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

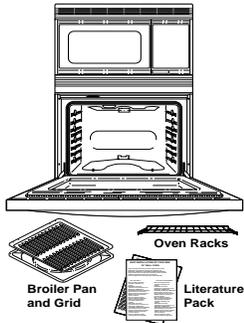
Effective January 1, 1996, the National Electrical Code requires that new, but not existing, construction utilize a 4 conductor connection to an electric range. When installing an electric range in new construction, follow the instructions in the section on **NEW CONSTRUCTION AND FOUR CONDUCTOR BRANCH CIRCUIT CONNECTION**.

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

# Installation Instructions

## ✓ Pre- Installation Checklist

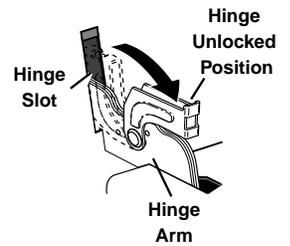
- ✓ Remove packaging materials. Check behind hinges, and under false bottom. Remove labels on the outside of the door, plastic on trims and panel, and all tape around oven.



Door Removal is not a requirement for installation of the product, but is an added convenience.

- ✓ Open the oven door as far as it will go.

- ✓ Push both hinge locks down toward the door frame, to the unlocked position. This may require a flat blade screwdriver.



- ✓ Open oven door and remove literature pack, broiler pan and grid, and oven racks.

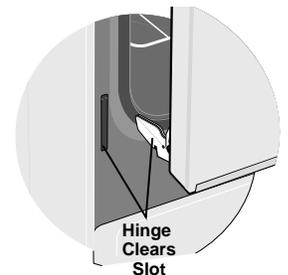
- ✓ Remove Installation Instructions from literature pack and read them carefully before you begin. Be sure to place all literature, Use and Care, Installations, etc. in a safe place for future reference.



- ✓ Place hands on both sides of the door, close the oven door to the removal position this is half way between the broil stop and fully closed.



- ✓ Lift door up and out until the hinge arms clear the slots.

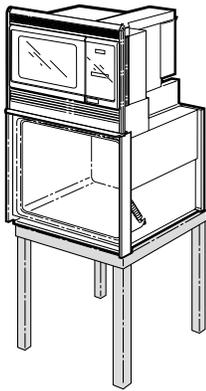


# Installation Instructions

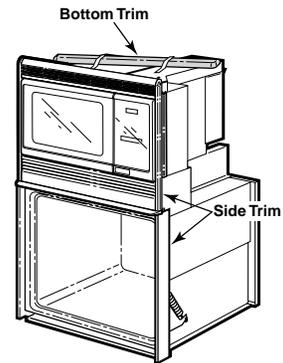
## ✓ Pre- Installation Checklist cont.



Place the oven on a table or platform even with the cutout opening.  
(Platform must support 275 lbs.)



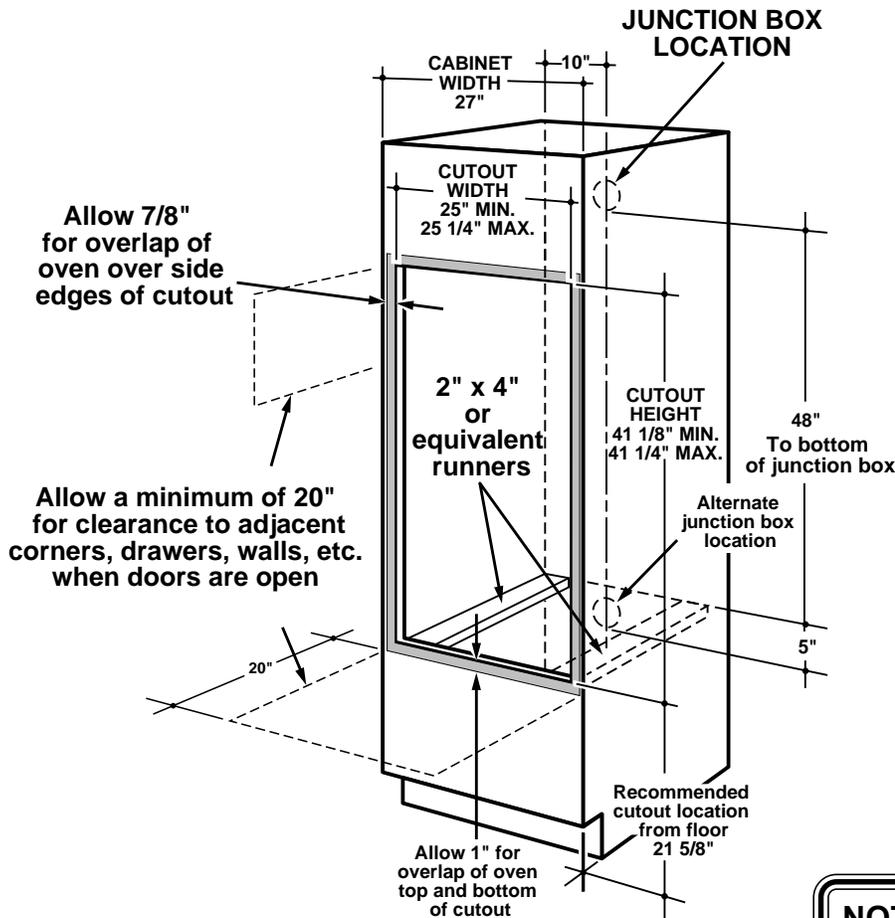
Remove the bottom trim from the top of the oven. It will be installed at the end of installation. The trim is wrapped separately and taped to the top of the unit.



# Installation Instructions

## A

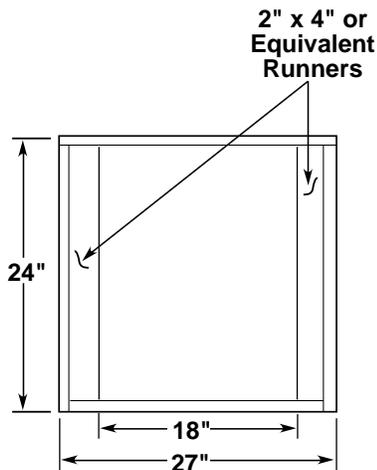
## Cutout for Built-In Oven W/Microwave



- Cabinet Width 27"
- Recommended Cutout Location From Floor ..... 21 5/8"
- Cutout Depth . 23 1/2"
- Cutout Width .. 25 " Min. .... 25 1/4" Max.
- Cutout Height 41 1/8" Min. .... 41 1/4" Max.
- Overall Height 41 5/8"
- Overall Width .. 26 5/8"

If the cabinets do not have a solid bottom, then two braces or runners must be installed to support the weight of the oven. The runners and braces must support 275 pounds.

**NOTE:** If the cabinet does not have a front frame and the sides are less than 3/4" thick, shim both sides equally to establish the cutout width.



**NOTE:** If using equivalent runners, then the center of the equivalent runners should be 20 1/2".

# Installation Instructions

## B Electrical Connections

### ATTENTION INSTALLER!!!

All electric wall ovens must be hard wired (direct wired) into an approved junction box. A plug and receptacle is NOT permitted on these products.

Do not shorten the flexible conduit. The conduit strain Relief Clamp must be securely attached to the junction box and the flexible conduit must be securely attached to the clamp. If the flexible conduit will not fit within the clamp, do not install the oven until a clamp of the proper size is obtained.

NOTE TO ELECTRICIAN: The 3 power leads supplied with this appliance are UL recognized for connection to larger gauge household wiring. The insulation of these 3 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.



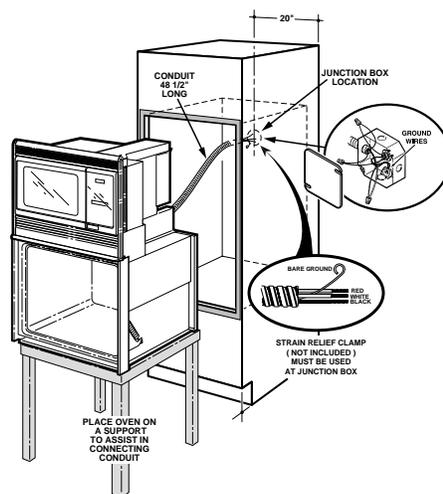
**WARNING:** Improper connection of aluminum house wiring to copper leads can result in an electrical hazard or fire. Use only connectors designed for joining copper to aluminum and follow the manufacturer's recommended procedure closely.

**B1**

Turn off the circuit breaker or remove fuses to the oven branch circuit.

**B2**

With the oven in front of the cabinet opening, on a table or platform, connect the flexible conduit to the electrical junction box as shown below. You will need to purchase a strain relief clamp to complete the connection of the conduit to the junction box.



# Installation Instructions

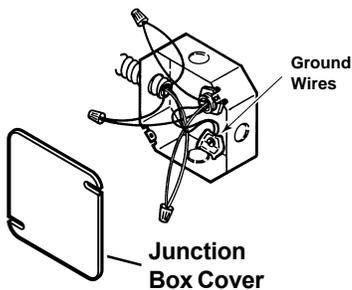
## **B** Electrical Connections cont.

### NEW CONSTRUCTION AND FOUR-CONDUCTOR BRANCH CIRCUIT CONNECTION

**B3**

- When installing in a new construction, or
- When installing oven in a mobile home, or
- When local codes do not permit grounding through neutral:

- a. Cut the neutral (White) lead from the crimp. Re-strip the neutral (white) lead to expose the proper length of conductor.



- b. Attach the appliance grounding lead (green or bare copper) in accordance with local codes. If the residence grounding conductor is aluminum, see **WARNING** note.
- c. Connect the oven neutral (white) lead to the branch circuit neutral (white or gray) in accordance with local codes, using wire nut.
- d. Connect 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, using wire nuts. If the residence red, black or white leads are aluminum conductors, see “**WARNING**” note on preceding page.
- e. Install Junction Box Cover.

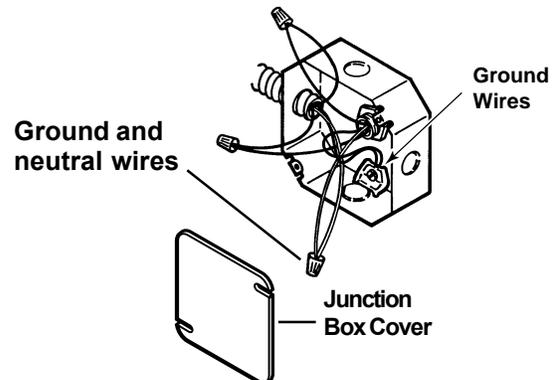
**OR**

**B4**

### Three-Conductor Branch Circuit Connection

When connecting to a 3-conductor branch circuit, if local codes permit:

- a. Connect the bare oven ground conductor with the crimped neutral (white) lead to the branch circuit neutral (white or gray in color), using wire nut.



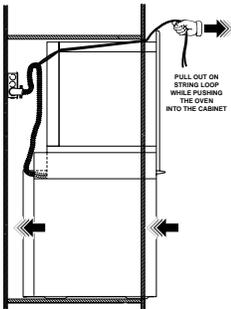
- b. Connect the oven red lead to the branch circuit red lead, using wire nut.
- c. Connect the oven black lead to the branch circuit black lead in accordance with local codes, using wire nut. If the residence red, black or white leads are aluminum conductors, see “**WARNING**” note on preceding page.
- d. Install Junction Box Cover.

# Installation Instructions

## C Placing the Oven in the Opening

### C1 Sliding the Oven Into the Opening.

- a. Loop (do not tie) a 36" string around the conduit before the oven is slid into place. This will keep the conduit from falling behind the oven.



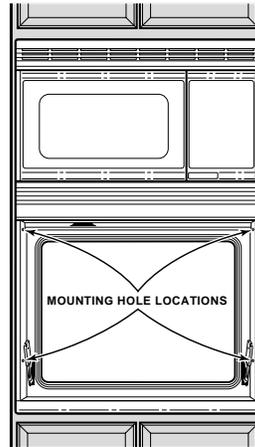
Pull out on string loop while pushing the oven into the cabinet

- b. Lift oven into cabinet cutout using the oven opening as a grip. Carefully push against oven front frame. Do not push against outside edges.
- c. As you slide the oven back, pull the string so that the conduit will lie on top of the oven in a natural loop.
- d. When you are sure the conduit is out of the way, slide the oven 3/4 way back into the opening. Remove the string by pulling on one end of the loop.

### C2 Drilling the Pilot Holes

**Note:** Before drilling the pilot holes make sure the oven is pushed as far back into the opening as it will go and centered.

- a. Drill four 1/8" pilot holes through the mounting holes (top and bottom) of the side trim, for the eight #8 screws provided.



The screws must be a minimum of 1/4" from the front of the cutout.

**NOTE:** Mounting screws must be used. Failure to do so could result in the oven falling out of the cabinet causing serious injury.

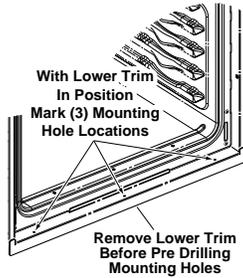
- b. Secure the oven to cabinet with screws provided.

**NOTE:** If the cabinet is particle board, you must use 4 #8 x 3/4 particle board screws. These may be purchased at any hardware store.

# Installation Instructions

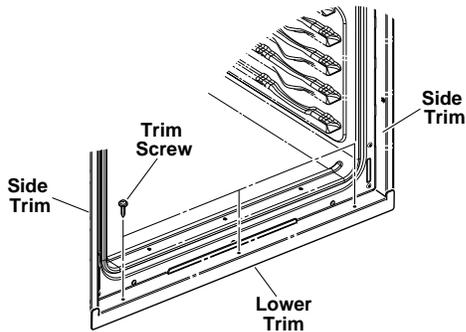
## C3 Preparing for the bottom Trim Installation

- With oven installed, take the bottom trim and center it on the bottom front edge of the cabinet opening.
- Using the trim as a template mark the center of each slot (three total) where the mounting holes will be drilled.
- Remove the trim.
- Drill pilot holes into the center of each template mark.



## C4 Installing the Bottom Trim

- Place the bottom trim centered over the pre-drilled mounting holes. Tape the edges of the trim down to maintain the alignment.



- Using the three pan head trim screws provided secure the bottom trim to the bottom edge of the cabinet.

**IMPORTANT:** If this unit is ever removed from the cabinet or the cavity is ever pulled out for service, the trim must be removed first or damage to the trim will occur.

## D Replacing the Oven Door

The oven door is heavy. You may need help lifting the door high enough to slide it into the hinges slots. Do not lift the door by the handle.

### Replacing the Oven Door

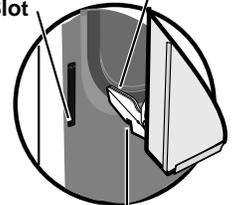
- Pick the Oven Door up by placing one hand on each side. The door is heavy so you may need help. Do not lift the door by the handle.



- Place the notch of the hinge arm into the bottom edge of the hinge slot.

Bottom Edge Of Slot

Hinge Arm

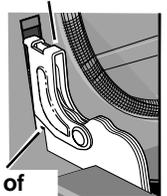


Hinge Notch

- Open the oven door as far as it will open.

- Push the hinge locks up against the front frame of the oven cavity, to the locked position.

Hinge in Locked Position



- Close the oven door.

Notch of Hinge Securely Fitted into Bottom of Hinge Slot

# Installation Instructions



## PRE-TEST CHECK LIST



Remove all protective film if present, and any stickers.



Check that the bottom trim is installed properly (see page 9).



Check to be sure that all wiring is secure and not pinched or in contact with moving parts.



Check to be sure the mounting screws are installed and flush with the side trim, (see page 9).



## Operation Checklist



Remove all items from the inside of the oven.



### NOTE TO ELECTRICIAN:

The power leads supplied with this appliance are UL recognized for connections to larger gauge household wiring. The insulation of these 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 wire gauge and also the temperature rating of the insulation around the wire.



Check that conduit is securely connected to the junction box.



Turn on the power to the oven. (Refer to your Use and Care Manual.) Verify that the bake and broil units, and all cooking functions operate properly.

### NOTE: ALUMINUM WIRING

#### A. WARNING:

**IMPROPER CONNECTION OF ALUMINUM HOUSE WIRING TO THE COPPER LEADS CAN RESULT IN A SERIOUS PROBLEM.**



Check that the circuit breaker is not tripped or the house fuse is blown.

**B. Splice copper wires to aluminum wiring using special connectors designed and UL approved for joining copper to aluminum and follow the manufacturer's recommended connector procedure closely.**



See Use & Care manual for troubleshooting list.

**NOTE: Wire used, location and enclosure of splices, etc., must conform to good wiring practice and local codes.**



