

Installation Instructions

GE Self Cleaning Radiant Electric Drop-In Range

JDP46,JD966

“If you have questions, call 800-GE-CARES or visit our website at: www.GEAppliances.com”

Skill Level: High **Average** Low

Completion Time: 1 to 3 Hours

Proper installation is the responsibility of the installer. Product failure due to improper installation is not covered under the GE Appliance Warranty. See the Owners Manual for warranty information.

CAUTION: 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.

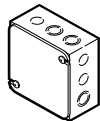
- **NOTE TO INSTALLER**- Be sure to leave these instructions with the consumer.
- **OWNER**- Keep these instructions for future reference.
- **WARNING**- This appliance must be properly grounded. See “Electrical Requirements” page 2.

Materials Needed



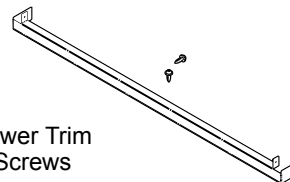
Wire Nuts
(Not smaller than #8 gage combined with house wiring gage.)
(See warning Page 6 if house wiring is aluminum.)

Junction Box
(If not included in house wiring)



4- 11/16" x 4- 11/16" x 2- 1/4" Sq. Min. (See N.E.C. for space requirements)

Parts Supplied



Lower Trim
2 Screws

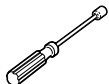


2 Shoulder screws (for stop device)

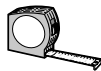
Tools You Will Need



Phillips
Screwdriver



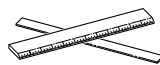
Nut driver



Tape
Measure



Safety Glasses



Straight Edge
or Square



Pencil



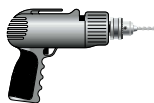
Hand or
Saber Saw



Level



STD
Screw
Driver



Power Drill
& 1/8" Bit



Hammer

Installation Instructions

IMPORTANT SAFETY INSTRUCTIONS

For Your Safety



WARNING: For personal safety remove house fuse or open circuit breaker before beginning installation. Failure to do so could result in serious injury or even death.

All rough-in and spacing dimensions must be met for safe use of your range.

To reduce the risk of burns or fire when reaching over hot surface elements, cabinet storage space above the cooktop should be avoided. If cabinet storage space is to be provided above the cooktop, the risk can be reduced by installing a range hood that sticks out at least 5" beyond the front of the cabinets. Cabinets installed above a cooktop must be no deeper than 13".

Be sure your appliance is properly installed and grounded by a qualified technician.



WARNING

- All ranges can tip
- Injury to persons could result
- Install anti-tip bracket
- See Installation Instructions

If you pull the range out and away from the countertop opening for any reason, make sure the Anti-Tip bracket is engaged when the range is pushed back against the opening.



WARNING: To reduce the risk of tipping the appliance must be secured by installing the range so that the anti-tip bracket (attached to the rear of the range) correctly engages under the counter top or properly affixed portion of the wall or cabinet.

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 specified on the appliance rating plate. (Rating Plate is located behind the oven door on the range.)

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

Check with your electric utility 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



Move Range Indoors In Front of Cabinet Opening

(Do not use hand trucks when moving the unpackaged range. Cooktop glass may be broken.)



Protect the kitchen floor! Flatten and place a piece of the shipping carton in front of the installation location to protect the flooring.



Do not remove the protective channel from the sides of the glass cooktop until later in installation. (If supplied)



Inspect Installation Location

Inspect cutout dimensions and location of electrical junction box to be sure it fits within the layout location. See page 4. Refer to alternate construction section for the following non-standard installations.

a. Counter opening extends to the wall:

Maintop Filler Kit (JXS66XX), or Backguard Kit (JXS36XX or JXS39SS).

WARNING: If you do not use these kits, the anti-tip bracket must fit under an attachment to the wall that can withstand a force of 200lbs. in the upward direction. See Section D1.

b. Island Installation:

To provide an optimum installation, the top surface of the counter top must be level and flat (lie on the same plane) around the 3 sides that are adjacent to range cooktop. Proper adjustments to make the top flat should be made or gaps between the countertop and range cooktop may occur. Forcing the cooktop to fit may cause excessive gaps, or could break the glass cooktop and void the warranty.

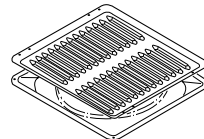
To obtain Kits:

- Visit GE Web Site (See page 1)
- Call GE Answer Center (See page 1)
- Contact Dealer

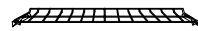


Preparing the Range

Open the oven door and remove literature packet, broiler pan and grid, and oven racks.



Broiler Pan and Grid



Oven Racks



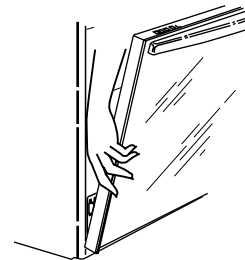
Literature Packet



Open the oven door to the broil stop position.



Grasp door on both sides, and lift up and off hinges.



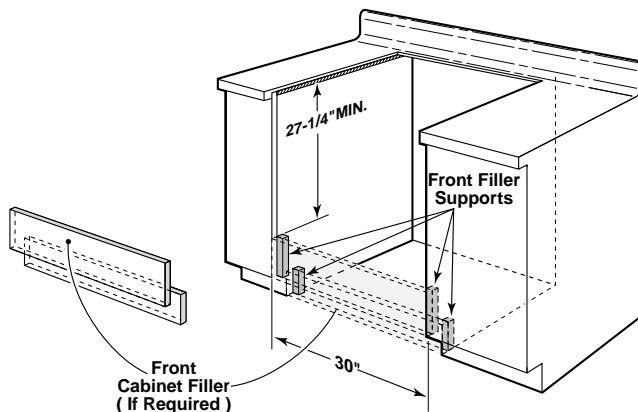
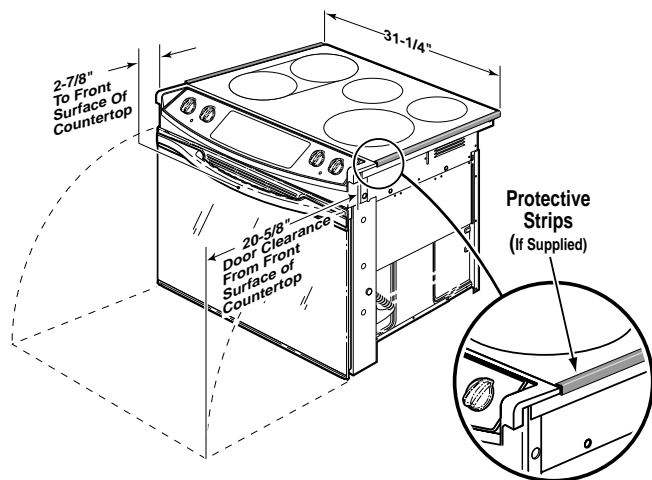
Remove packing materials. Remove labels on door, plastic on trims and panel, and all tape around the range.

Installation Instructions

A

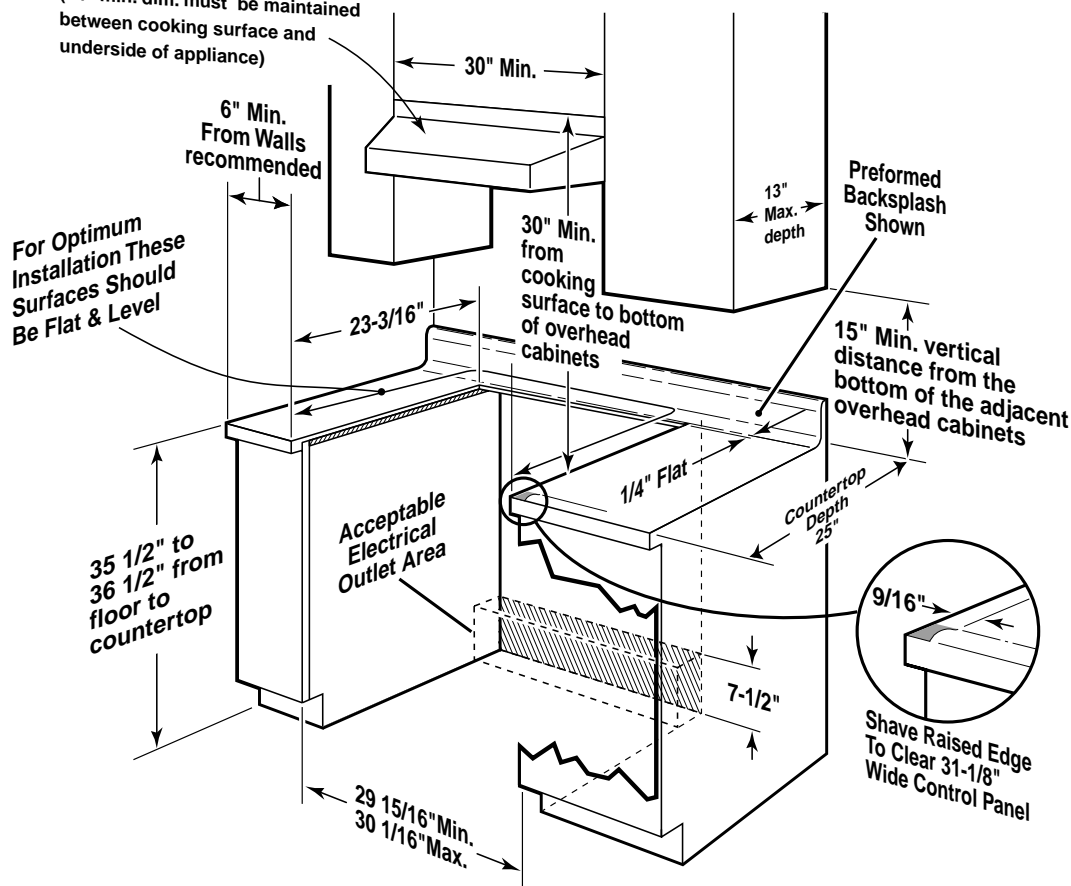
Pre- Installation Cutout and Required Clearances

NOTE: Drop-In Ranges are designed to hang from the countertop only. Do not install on a platform or support rails.



Follow instructions packaged with alternate appliances.

(24" min. dim. must be maintained between cooking surface and underside of appliance)



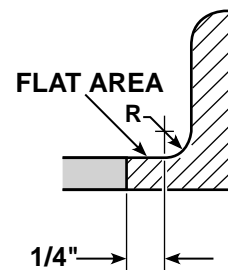
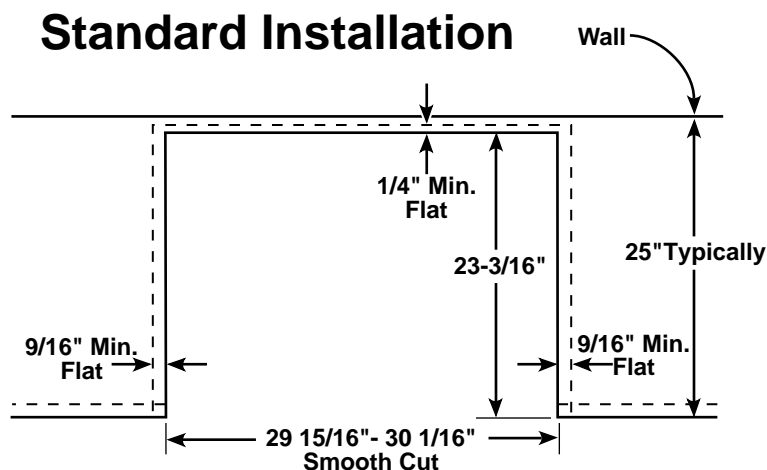
If cabinets are placed less than 30" min. above the range, see alternate construction.

NOTE: Product meets UL requirements for 0" clearance to back and side walls.

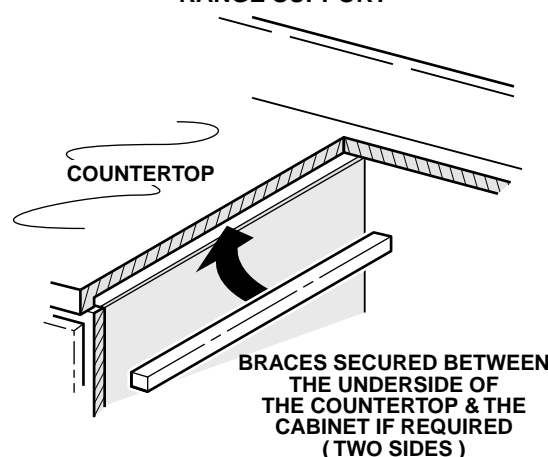
Wall coverings, counters and cabinets around range must withstand heat (up to 200°F) generated by the range.

Installation Instructions

B Standard Installation Preparation



RANGE SUPPORT



The Standard Installation of this Drop-In Range is to hang by the countertop on the side metal flanges under glass cooktop. **This Range must not be installed on a base or sub structure (2"x 4" support).**

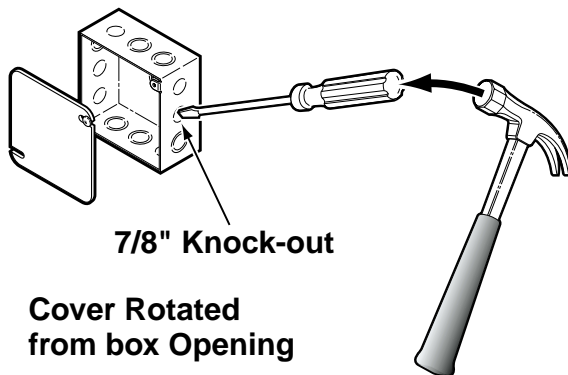
If the construction of your cabinet cannot provide a 1/4" flat area at the back of the countertop opening, consider changing the countertop to accommodate this dimension. If the area is not flat, excess tension may be applied to the glass cooktop causing breakage and voiding the warranty.

- B1** Center the 30" wide opening over the adjacent cabinets and mark with a straight edge.
- B2** Using a straight edge mark the back line at 23-3/16" from the front edge of the counter.
- B3** Be careful not to damage the adjacent cabinets while cutting the countertop.
- B4** Remove countertop raised edge, if incorporated. (See illustration on page 4)

Installation Instructions

C ELECTRICAL CONNECTIONS

- C1** Remove house fuse or open circuit breaker.
- C2** Loosen screws for the junction box cover and rotate out of place or remove the cover.
- C3** Examine the junction box location and determine the best routing of the conduit and select the best available 7/8" diameter knock out. Avoid using holes in the top of the junction box to prevent the conduit from interfering with the back of the range.
- C4** Break open the selected knock out by placing a bladed screw driver on the scored opening in the junction box and strike the screw driver with a hammer. (Pliers may be required to complete the removal of the knock out.)



- C5** Position the range in front of the opening but slightly to the side in a manner that a person can enter the opening to wire the range to the house wiring in the junction box.
- C6** Feed wires and conduit through the open hole and snap the conduit fitting into the hole. Route the conduit in a manner that will not interfere with the rear wire cover. The conduit must be routed below the wire cover.



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.

GENERAL NOTE FOR ALL WIRE NUT APPLICATIONS: THE PROPER SIZE WIRE NUT SHALL BE PLACED OVER THE STRIPPED LEADS AND THE WIRE NUT TWISTED UNTIL THE WIRE NUT CAN NOT BE PULLED FROM THE LEADS. NO CONDUCTOR SHALL BE EXPOSED IN THE CONNECTION. THE EXCEPTION TO THE CONDUCTOR BEING EXPOSED IS THE BARE COPPER GROUND CONNECTION.

Installation Instructions

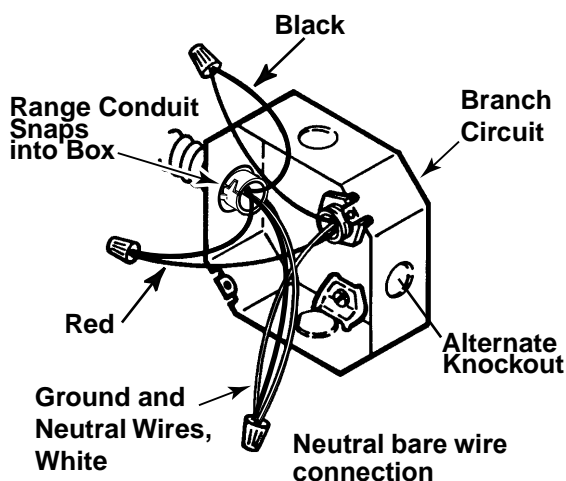
C ELECTRICAL CONNECTIONS cont.

THREE-CONDUCTOR BRANCH CIRCUIT CONNECTION

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

C7a 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.

C7b 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 (See page 6).



OR

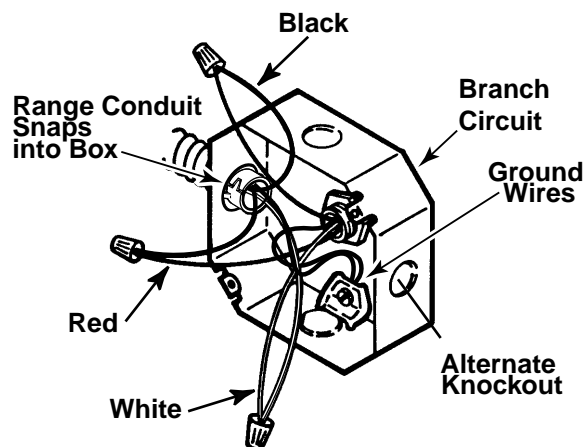
NEW CONSTRUCTION AND FOUR-CONDUCTOR BRANCH CIRCUIT CONNECTION

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

C7a Cut the neutral (White) lead from the crimp. Re-strip the neutral (white) lead to expose the proper length of conductor and connect it to the white or gray branch circuit neutral in accordance with local code using wire nuts.

C7b Attach the appliance grounding lead (green or bare copper) in accordance with local codes. If the residence grounding conductor is aluminum, see WARNING note (See page 6).

C7c 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 (See page 6).



Installation Instructions

C ELECTRICAL CONNECTIONS cont.

C8 Reinstall Junction box cover.

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 junction box, 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.

Installation Instructions

D Standard Installation Instructions

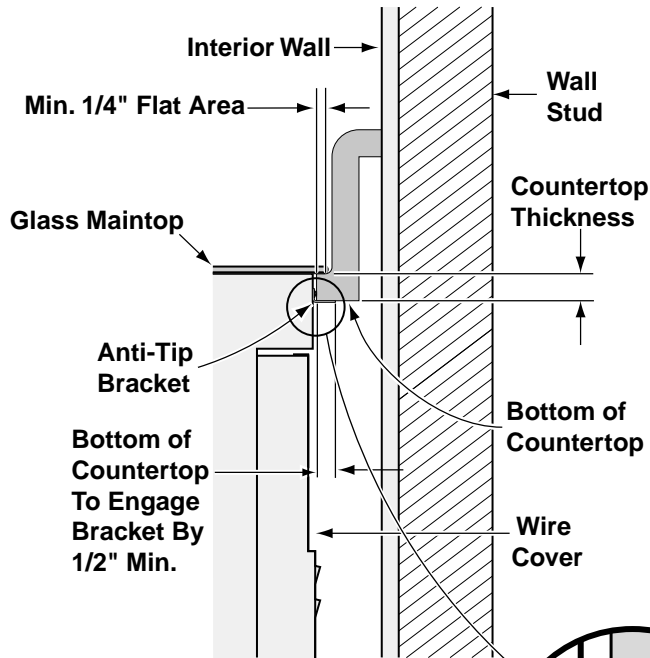
Installing the Anti-Tip Bracket

- D1** The anti-tip bracket is attached to the back of the Drop-In Range. It is designed to fit under the bottom of the countertop opening at the rear. Measure counter thickness at back of cutout to determine correct bracket location.

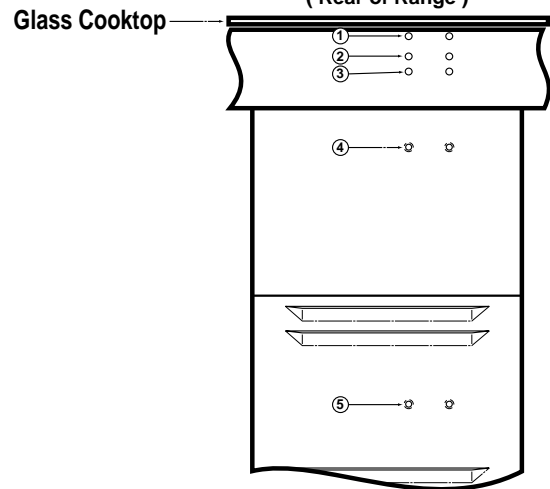
Select the proper position for the countertop thickness and move bracket to proper position. (Unit is supplied with bracket in position 1.)

- ① for 3/4" counter
- ② for 1.18" (3cm) counter
- ③ for 1.5" counter
- ④ for 3.5"
- ⑤ Alternate (Shown Below)

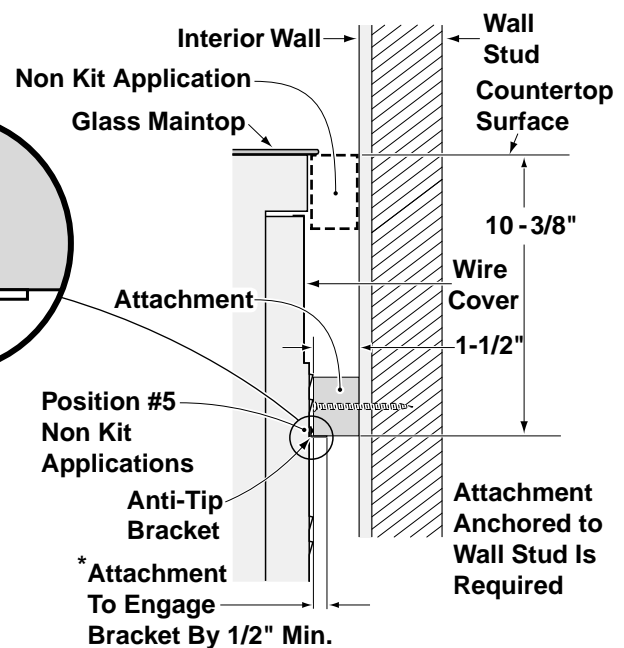
ANTI-TIP INSTALLATIONS



Anti-Tip Bracket Location (Rear of Range)



ALTERNATE ANTI-TIP INSTALLATIONS

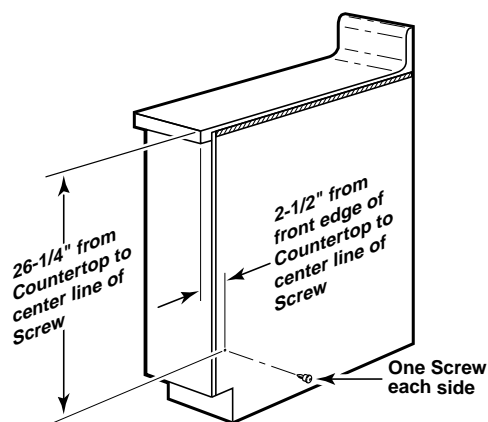


Installation Instructions

D Standard Installation Instructions cont.

Install Stop Screw

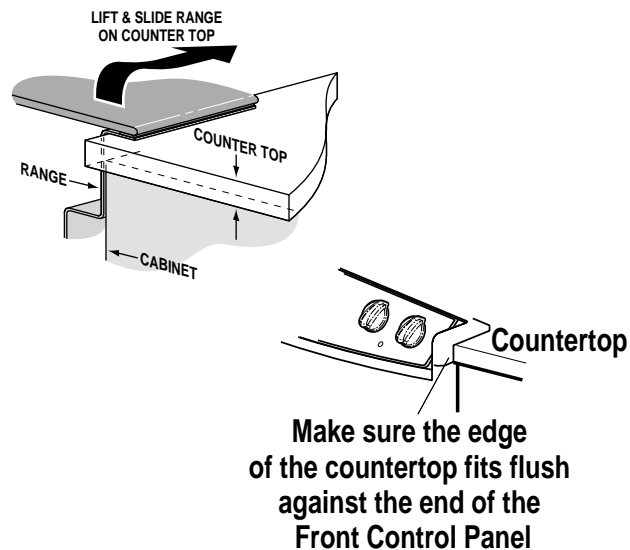
- D2** These screws prevent the range from sliding out of position during operation.



Carefully mark the cabinet for the location of the stop screws. Drill 1/8" pilot holes into the cabinet, each side of the range. (Make sure not to drill entirely through the cabinet wall.) Carefully turn the shoulder screws into the pilot holes until they are tight.

Placing the Range into the Opening

- D3** It is suggested that two people lift the range into place, carefully setting the side metal flanges under the glass on the edges of the countertop opening. The protective channels must be in place (if supplied) during this operation. Carefully slide the range toward the back of the opening. In the last 1" of travel lift the front of the range approx. 1/2" to clear the stop screws located in the sides of the cabinet and slide the range until the range is seated. Lower front of the range on countertop.

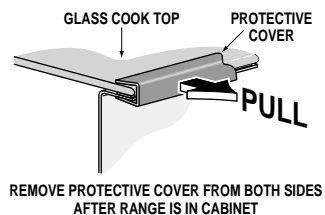


Installation Instructions

D Standard Installation Instructions cont.

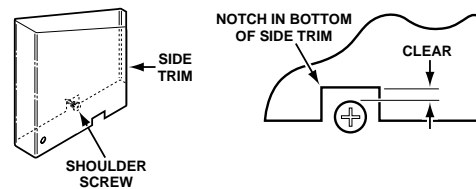
Remove the Protective Channels (If Provided)

- D4** Carefully remove the protective channels from the sides of the glass cooktop. This may require a slight lifting of the range to remove the weight of the range from the protective channels.



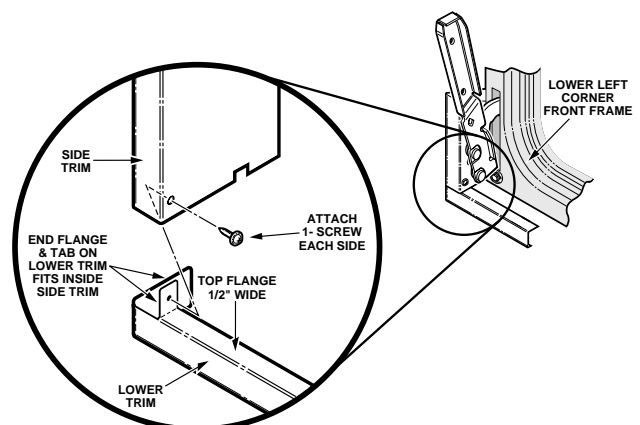
Check For Proper Installation of the Stop Screw

- D5** Look at both sides of the range under the door. The stop screws must be located in the notch on the sides of the range, and not touch the top of the notch when the range is fully seated on the countertop. If the screws do not meet the requirements move the screws to a position that meets these requirements. (See illustration below.)



Attach the Lower Trim

- D6** Attach the lower trim (supplied separately with the range), to the bottom of the vertical side trim with the 2 screws supplied.



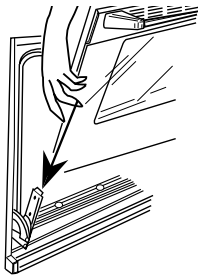
Installation Instructions

D Standard Installation Instructions cont.

Replace the Oven Door

CAUTION: The oven door is heavy. You may need help lifting the door high enough to slide it down onto the hinges. Do not lift the door by the handle.

- D7** Make sure both hinges are in the broil stop position.
- D8** Grasp the door on both sides.
- D9** Lift the door over the hinges lining up the hinges with the hinge slots on the bottom of the oven door.
- D10** Slide the door down onto the hinges as far as it will go and close the oven door.



Check for Proper Installation of Anti-Tip Bracket

- D11** Lower the oven door and gently apply medium force at the handle end until movement of the range is detected. Continue pressing until the anti-tip bracket is engaged and movement stops. A small amount of movement is acceptable at the back of the range top, but it should be stable and not tip once the anti-tip bracket is engaged.

Installation Instructions



Final Check List

Check to make sure the circuit breaker is closed (Reset), or the circuit fuses are replaced.

Be sure power is in service to the building.

Check to be sure that all packaging materials and tape on metal panel (if applicable) under control knobs have been removed.



Operation Check List

Check to make sure the Clock display is energized. If a series of horizontal red lines appear in the display, disconnect power immediately. Recheck the range wiring connections. If a change is made to connection, retest again. If no change is required, have building wiring checked for proper connection and voltage. It is recommended that the clock be replaced if the red lines appear.

Push down and turn any one of the four surface control knobs to “MED” setting to observe that the element glows within 15 seconds. Turn the knob off when the glow is detected. If the glow is not detected within the time limit, recheck the range wiring connections. If change is required, retest again. If no change is required, have building wiring checked for proper connections and voltage.

Alternate Construction

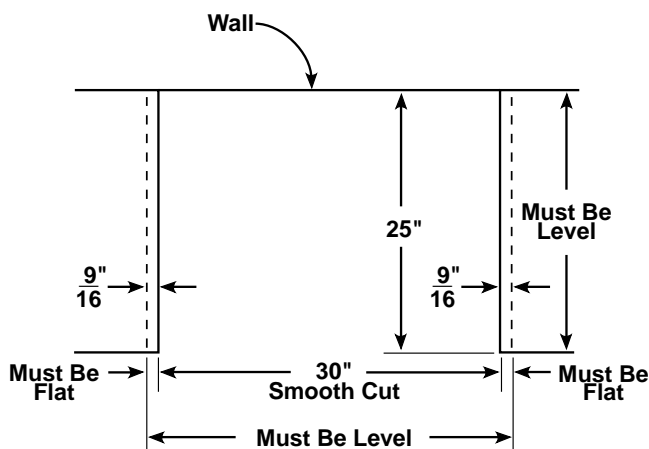
Installation Instruction Preparation

AA Optional Maintop Filler or Backguard Kit

If counter opening extends to the wall, it will require Maintop Filler Kit (JXS66XX) or Backguard Kit (JXS36XX or JXS39SS) to close the gap.

Note: If the counter top is greater than 25", it will show a gap between the backguard and wall or between filler kit and the wall.

If the countertop is less than 25", a gap will occur between the countertop front and the control panel ends (**See page10- D3**).



Refer to the Filler or Backguard Kit instructions for Installation details.

AC Cabinets over the Range less than 30"

If a 30" clearance between cooking surface and overhead combustible material or metal cabinets cannot be maintained, protect the underside of the cabinets above the cooktop with not less than 1/4" insulating millboard covered with sheet metal not less than 0.0122" thick.

AD Cabinet cutout height more than 27 1/4" Use Lower Trim Kit

Optional Lower Trim to fill space beneath 27 1/4" Min. requirement (See page 4) Use lower Trim Kit JXS96XX.

AB Island Installation

When installing in an island or other non-standard location, countertop cutout dimensions must be according to page 5. For the anti-tip bracket instructions see page 9.

In this application, do not use Backguard Kit (JXS36XX or JXS39SS).

NOTES

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

