

Installation Instructions

30" Side Swing Door Electric Built-In Wall Ovens (LH shown, RH opposite)

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 Consumer.

- **Note to Consumer** — Keep these instructions for future reference.
- **Skill level** — Installation of this appliance requires a qualified installer or electrician.
- Proper installation is the responsibility of the installer.
- Product failure due to improper installation is not covered under Warranty.
- Product is for indoor use only.

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.

FOR YOUR SAFETY:

⚠ WARNING

Before beginning the installation, switch power off at the service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

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 wall coverings, counters and cabinets around the oven can withstand the heat (up to 200°F [93.3°C]) generated by the oven.

MATERIALS YOU MAY NEED

Junction Box
Wire Nuts
Strain Relief Clamp for 1/2" Conduit
36" (91 cm) of String

TOOLS YOU MAY NEED

1/8" Drill Bit and Electric or Hand Drill
T20 Screwdriver
Phillips Screwdriver
Wire Strippers

1 REMOVE PACKAGING MATERIALS

Failure to remove packaging materials could result in damage to the appliance. Remove all packing parts from oven, racks and heating elements. Remove protective film and labels on the outer door and control panel. Also, remove plastic on trims and panel, all tape around the oven and any shipping screws securing the oven to the base pad. Open oven door and remove literature pack and oven racks. Remove the bottom trim from the top of the oven. It will be installed at the end of the installation process. The trim is wrapped separately and taped to the top of the unit. Remove pedestal rails from separate box and set aside (30" Double Wall Ovens Only).

DESIGN INFORMATION

SINGLE OVEN INSTALLATIONS

The single oven may be installed in a cabinet alone or above a warming drawer. The single oven may also be installed side by side, below a countertop, or below specified cooktops. See the label on top of the oven for approved models.

DOUBLE OVEN INSTALLATIONS

A double oven may be installed in a cabinet alone or above a warming drawer. See the label on top of the oven for approved models.

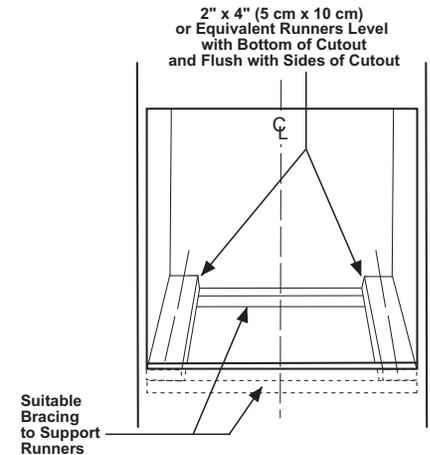
IMPORTANT: Always refer to individual installation instructions packed with each product for specific requirements.

2 PREPARE THE OPENING

NOTE: If the cabinet does not have a solid bottom, two braces or runners must be installed to support the weight of the oven. For single ovens, the runners and braces must support 220 lbs (99 kg). For double ovens, the runners and braces must support 400 lbs. (181 kg).

NOTE: If marks, blemishes or the cutout opening are visible above the installed oven, it may be necessary to add wood shims under the runners until the marks or opening are covered.

NOTE: If the cabinet does not have a front frame and the sides are less than 3/4" (1.9 cm) thick, shim both sides equally to establish the cutout width.

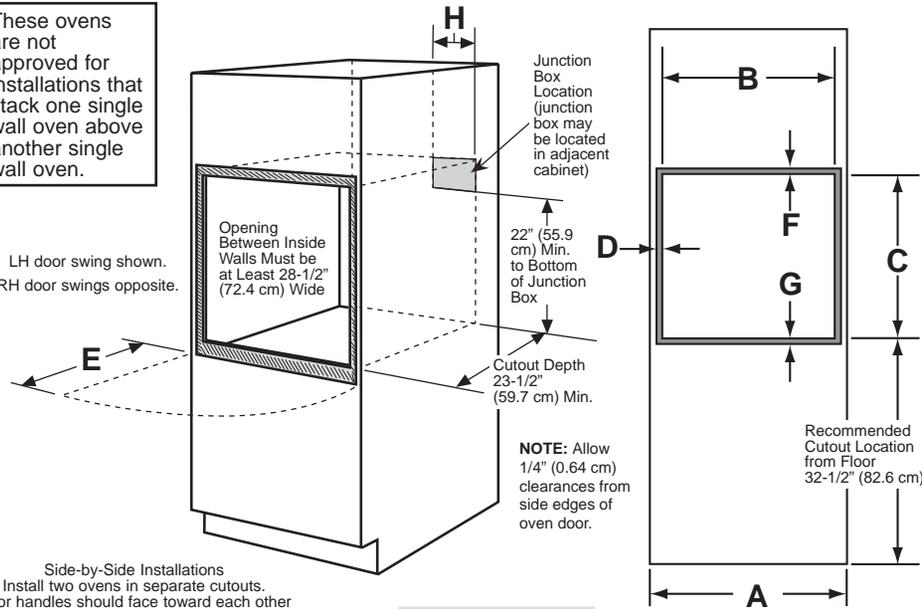


2 A CUTOUT FOR SINGLE OVENS IN WALL CABINET

NOTE: If the cabinet does not have a front frame and the sides are less than 3/4" (1.9 cm) thick, shim both sides equally to establish the cutout width.

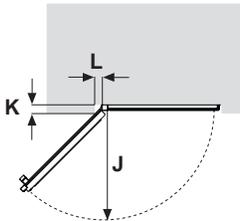
These ovens are not approved for installations that stack one single wall oven above another single wall oven.

LH door swing shown.
RH door swings opposite.



Side-by-Side Installations
Install two ovens in separate cutouts.
Door handles should face toward each other

Center Line Center Line
30.5" (77.5 cm) 30" models



Cutout – observe all dimensions and requirements.

Cutout – observe all dimensions and requirements.

2" (5.1 cm) Min.

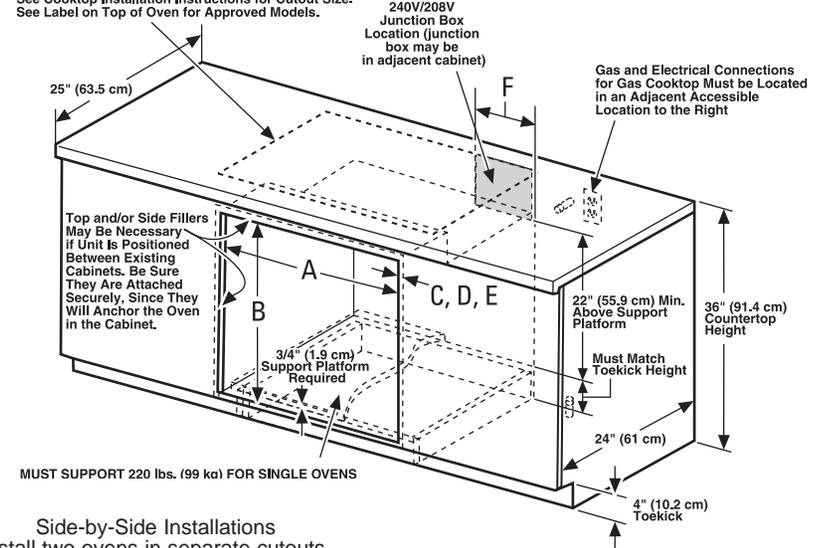
Dim.	Dimension Description	30" Single Oven
A	Cabinet Width	30" (76.2 cm)
B	Cutout Width	28½" (72.4 cm) min. 28¾" (72.7 cm) max.
C	Cutout Height	27¼" (69.2 cm) min. 27¾" (69.4 cm) max.
D	Clearance from cutout - side edges*	1½" (1.75 cm)
E	Clearance to Adjacent Corners, Drawers, Walls, etc., When Door Is Open	31-1/8" (77.8 cm) min.
F	Clearance from cutout - top*	1" (2.5 cm) min. (1¼" (3.2 cm) for PT9050, ZET1S and ZET1P)
G	Clearance from cutout - bottom*	1¼" (3.2 cm)
H	Junction Box Location	9½" (24.1 cm) max. right side only
J	Door swing depth - Allow additional clearances for installation and oven usage	31-1/8" (77.8 cm) min.
K	Countertop or cabinet door protrusion (measure if exist)	Measure "K"
L	Gap between edge of countertop or cabinet door to cabinet opening	If K = 0, L = 0, Otherwise K = L + 1" (2.54 cm) min.

* Refers to minimum clearance required for wall oven installation and does not reflect actual product dimensions.

2 B CUTOUT FOR SINGLE OVENS – UNDER COUNTER

NOTE: These ovens are only approved to be installed under the specific models as labeled on the unit.

Gas or Electric Cooktops May Be Installed Over This Oven.
See Cooktop Installation Instructions for Cutout Size.
See Label on Top of Oven for Approved Models.



Side-by-Side Installations
Install two ovens in separate cutouts.

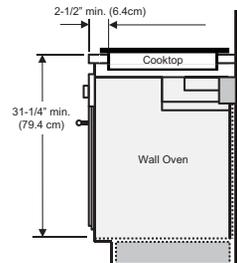
Center Line Center Line
30.5" (77.5 cm) 30" models

Cooktop
Cutout – observe all dimensions and requirements.

Cooktop
Cutout – observe all dimensions and requirements.

2" (5.1 cm) Min.

IMPORTANT: Maintain a minimum distance of 31-1/4" from the top surface of the countertop to the wall oven platform to ensure that the cooktop and wall oven do not interfere with each other (see picture).



SIDE VIEW

NOTE: One cooktop may be centered over either oven in the side-by-side installation.

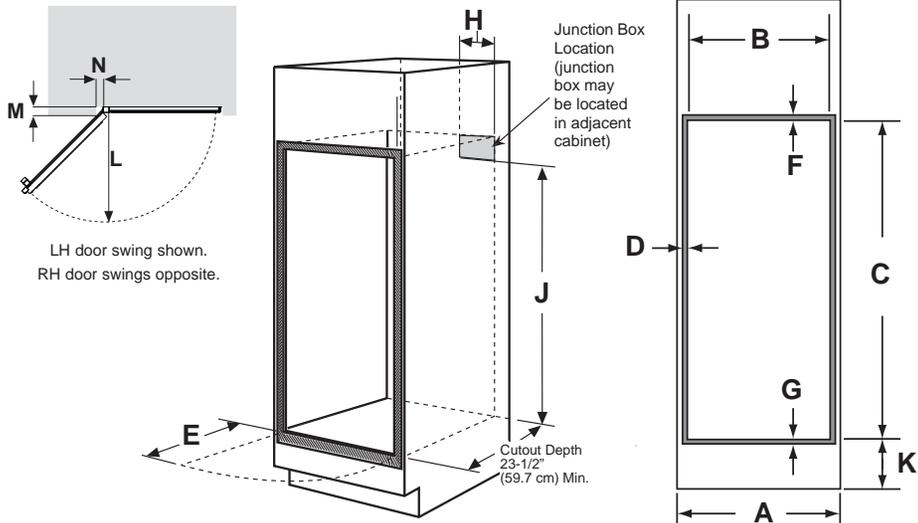
Dimension	Dimension Description	30" Single Oven
A	Cabinet Width	28½" (72.4 cm) min. 28¾" (72.7 cm) max.
B	Cutout Height	27¼" (69.2 cm) min. 27¾" (69.4 cm) max.
C	Clearance from cutout - top*	1" (2.5 cm) (1¼" (3.2 cm) for PT9050 ZET1S and ZET1P)
D	Clearance from cutout - bottom*	1¼" (3.2 cm)
E	Clearance from cutout - side edges*	1½" (1.75 cm)
F	Junction Box Location	9½" (24.1 cm) max. right side only

* Refers to minimum clearance required for wall oven installation and does not reflect actual product dimensions.

Continue to Section 4.

2 | C CUTOUT FOR DOUBLE OVENS (2 THERMAL OVENS)

NOTE: If the cabinet does not have a front frame and the sides are less than 3/4" (1.9 cm) thick, shim both sides equally to establish the cutout width.



Dim.	Description	30" Double Oven with Pedestal	30" Double Oven without Pedestal
A	Cabinet Width	30" (76.2 cm)	30" (76.2 cm)
B	Cutout Width	28 1/2" (72.4 cm) min. 28 5/8" (72.7 cm) max.	28 1/2" (72.4 cm) min. 28 5/8" (72.7 cm) max.
C	Cutout Height	51 13/16" (131.6 cm) min. 51 15/16" (131.9 cm) max.	50 1/4" (127.64cm)
D	Clearance from cutout - side edges*	1 1/16" (1.75 cm)	1 1/16" (1.75 cm)
E	Clearance to Adjacent Corners, Drawers, Walls, etc., When Door Is Open	31 1/8" (77.8 cm) min.	31 1/8" (77.8 cm) min.
F	Clearance from cutout - top*	1" (2.5 cm) min. (1 1/4" (3.2 cm) for PT9550, ZET2S and ZET2P)	1" (2.5 cm) min. (1 1/4" (3.2 cm) for PT9550, ZET2S and ZET2P)
G	Clearance from cutout - bottom*	1 1/4" (3.2 cm)	1 1/4" (3.2 cm)
H	Junction Box Location	9 1/2" (24.1 cm) max. right side only	9 1/2" (24.1 cm) max. right side only
J	Height to Bottom of Junction Box	47" (119.4 cm)	47" (119.4 cm)
K	Recommended Cutout Location from Floor	12" (30.5 cm)	12" (30.5 cm)
L	Door swing depth - Allow additional clearances for installation and oven usage	31 1/8" (77.8 cm) min.	31 1/8" (77.8 cm) min.
M	Countertop or cabinet door protrusion (measure if exist)	Measure "M"	Measure "M"
N	Gap between edge of countertop or cabinet door to cabinet opening	If M = 0, N = 0, Otherwise N = M + 1" (2.54 cm) min.	If M = 0, N = 0, Otherwise N = M + 1" (2.54 cm) min.

* Refers to minimum clearance required for wall oven installation and does not reflect actual product dimensions.

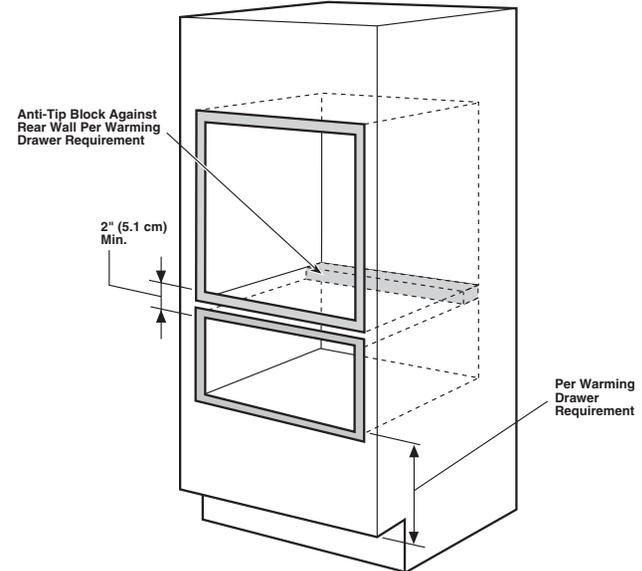
Continue to Section 3.

2 | D CUTOUT FOR INSTALLATION OVER A WARMING DRAWER

NOTE: Install the oven only with specific models listed on the label located on top of the oven.

NOTE: Additional clearances between cutouts may be required. Check to be sure the oven supports above the Warming Drawer location do not obstruct the required interior depth and height.

When installing a Warming Drawer below a single, double, or combination oven, a separate 120V, 60 HZ, properly grounded receptacle must be installed. Refer to installation instructions packed with the Warming Drawer for specific installation requirements.



Continue to Section 3 for Double Wall Oven with Pedestal. Otherwise, continue to Section 4.

3 A DETERMINING WHEN TO USE THE PEDESTAL (30" DOUBLE OVENS ONLY)

WHEN TO USE THE PEDESTAL

When replacing an older GE Appliances 30" double wall oven with a new GE Appliances model. Cutout height = 51-13/16" to 51-15/16". This is our traditional cutout height.

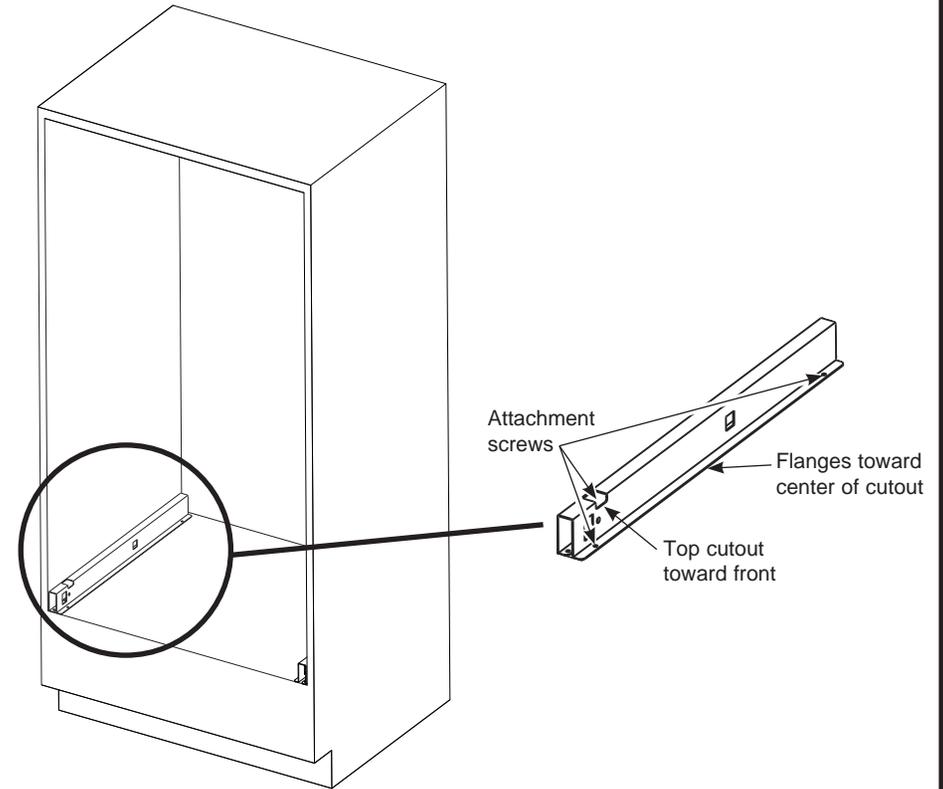
WHEN NOT TO USE THE PEDESTAL

When replacing a 30" double wall oven from another manufacturer (ie. Whirlpool) with a new GE Appliances 30" double wall oven. Cutout height = 50-1/4". You will need to verify that the existing cutout matches the 50-1/4" dimension.

If the new GE Appliances 30" double wall oven is being installed into new construction (ie. not a replacement), then the recommended installation is to use the Pedestal.

3 B PEDESTAL RAIL INSTALLATION (30" DOUBLE OVENS ONLY)

- A. Position the pedestal rails with the top cutout toward the front of the opening and the flanges on the bottom, pointing toward the center. Locate each rail on the floor or cabinet runner, slightly inward from the side of the cabinet. Make sure the front of each rail is not protruding beyond the front of the cabinet opening.
- B. Drill pilot holes and attach rails to runner or bottom of cabinet with provided hardware.



4 A DOOR STRIKE ADJUSTMENT

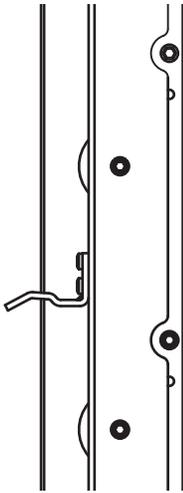
Description: The strike on the unit keeps the door closed during cooking and protrudes from the inside of the oven structure. The strike angle can be adjusted if the door is too difficult or easy to open or close.

Procedure: Use a standard pair of smooth jawed pliers to apply pressure downward or upward on the strike, to customer's preference.

- **Difficult to open:** Apply pressure downward to give the strike an additional 1-6° bend.

- **Easy to open/close:** Apply pressure upward until the desired opening and closing force is achieved.

NOTE: Small adjustments are recommended to avoid major changes in door push and pull forces



5 ELECTRICAL REQUIREMENTS

⚠ WARNING This appliance must be properly grounded.

⚠ WARNING To prevent fire or shock, do not use an extension cord with this appliance.

⚠ WARNING To prevent shock, remove house fuse or open circuit breaker before beginning installation.

⚠ 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.

We recommend you have the electrical wiring and hookup of your appliance connected by a qualified electrician. After installation, have the electrician show you how to disconnect power from the appliance.

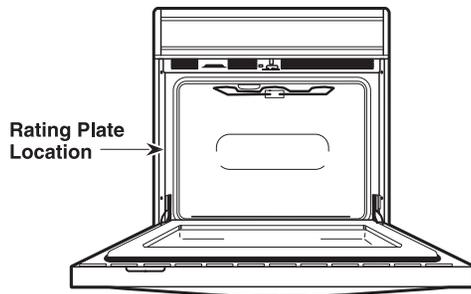
You must use a single-phase, 120/208 VAC or 120/240 VAC, 60 Hertz electrical system. If you connect to aluminum wiring, properly installed connectors approved for use with aluminum wiring must be used.

Effective January 1, 1996, the National Electrical Code requires that new construction (not existing) utilize a four-conductor connection to an electric oven. When installing an electric oven in new construction, a mobile home, recreational vehicle or an area where local codes prohibit grounding through the neutral conductor, refer to the section on four-conductor branch circuit connections.

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 oven must be wired and fused to meet the National Electrical Code, NFPA No. 70 – latest edition, available from the National Fire Protection Association.

5 ELECTRICAL REQUIREMENTS (CONT.)

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. See the rating plate located on the oven frame to determine the rating of the product.



Rating plate is located on the oven side trim.

Use the chart below to determine the minimum recommended dedicated circuit protection:

KW Rating 240V	KW Rating 208V	Recommended Circuit Size (Dedicated)
≤4.8 KW	≤4.1 KW	20 Amp
4.9 KW–7.2 KW	4.2 KW–6.2 KW	30 Amp
7.3 KW–9.6 KW	6.3 KW–8.3 KW	40 Amp
9.7 KW–12.0 KW	8.4 KW–10.4 KW	50 Amp

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.

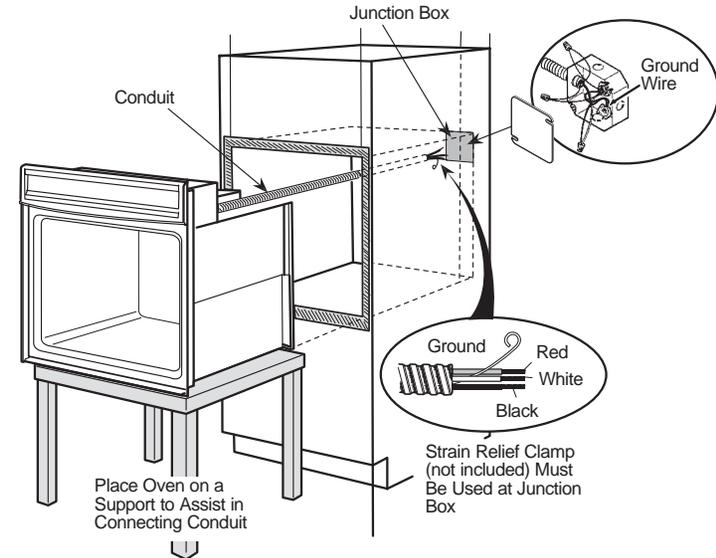
The 3 power leads supplied with this appliance are suitable for connection to heavier gauge household wiring. The insulation of these 3 leads is rated for temperatures much higher than the temperature rating of the household wiring. The current-carrying capacity of the conductor is governed by the wire gauge and the temperature rating of the insulation around the wire.

6 MAKE ELECTRICAL CONNECTIONS

⚠ WARNING

Switch power off at the service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.

Place oven on table or platform even with the cutout opening. For a single oven, the platform must support 220 lbs. (99 kg); for a double or combination oven, the platform must support 400 lbs. (181 kg). Connect the flexible conduit to the electrical junction box as shown below*. Position the conduit in such a manner that it will lie behind the unit in a natural loop when the oven is installed**. You will need to purchase an appropriate strain relief clamp to complete the connection of the conduit to the junction box.



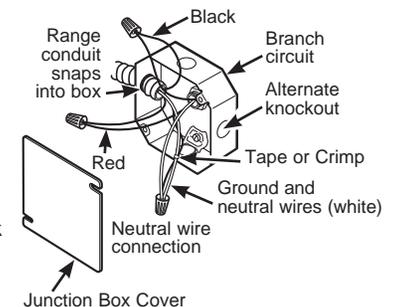
*Ovens come equipped with a 40" or 54" long conduit. If a longer conduit is desired, there may be one available for your model. To check availability or order parts, call GE Appliances at 1.800.GE.CARES.

**Combination Oven with upper microwave oven - it is recommended to install the conduit through the side of the junction box as shown in the illustration above.

7 THREE-CONDUCTOR BRANCH CIRCUIT CONNECTION

NOTE: If residence leads are aluminum conductors, see **WARNING** in Section 5, Electrical Requirements. When connecting to a three-conductor branch circuit, if local codes permit:

- Connect the oven ground conductor along with the neutral (white) lead to the branch circuit neutral (white or gray in color), using a wire nut.
- 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.
- Install proper strain relief clamp.
- Install junction box cover.

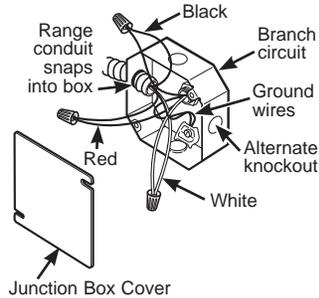


8 FOUR-CONDUCTOR BRANCH CIRCUIT CONNECTION

NOTE: If residence leads are aluminum conductors, see WARNING in Section 5, Electrical Requirements.

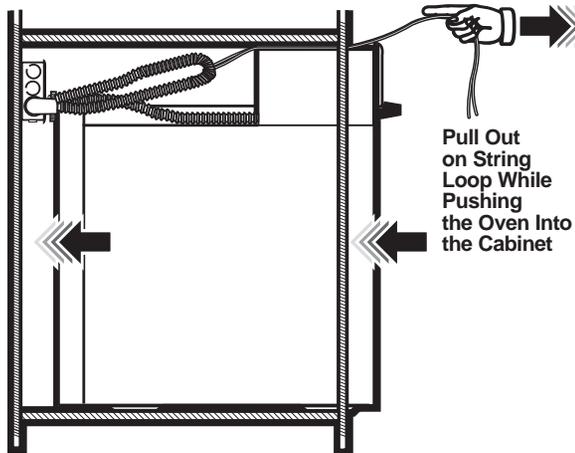
When connecting to a four-conductor branch circuit, if local codes permit:

- A. Free the neutral (white) lead from being restrained to any other wires. If necessary, cut the neutral (white) lead and then re-strip it to expose the proper length of conductor.
- B. Attach the appliance grounding lead (green or bare copper) in accordance with local codes.
- C. Connect the oven neutral (white) lead to the branch circuit neutral (white or gray) in accordance with local codes, using a 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.
- E. Install proper strain relief clamp.
- F. Install junction box cover.



9 SLIDE OVEN INTO OPENING

- A. Loop (do not tie) a 36" (91 cm) string around the conduit before the oven is slid into place. This will keep the conduit from falling behind the oven.
- 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. For a combination oven, pull the conduit so that it sits above the lower oven on the left side (as viewed from the front).
- D. When you are sure the conduit is out of the way, slide the oven ¾ way back into the opening. Remove the string by pulling on one end of the loop.



10 INSTALL MOUNTING SCREWS (THERMAL OVENS)

⚠ WARNING Mounting screws must be used. Failure to do so could result in the oven falling out of the cabinet, causing serious injury.

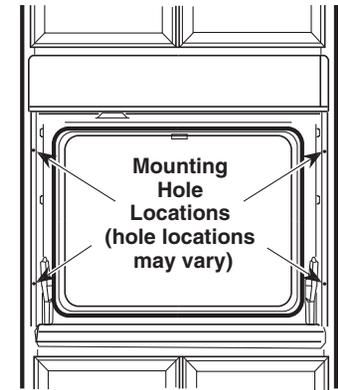
NOTE: During oven mounting step, ensure that no damage is done to oven gasket which lines the edge of oven cavity.

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

NOTE: If the cabinet is particle board, you must use #8 x ¾" particle board screws. These may be purchased at any hardware store.

- A. Drill through the mounting holes (top and bottom) of the side trim for the #8 mounting screws provided.
- B. Secure the oven cabinet with the screws

provided.

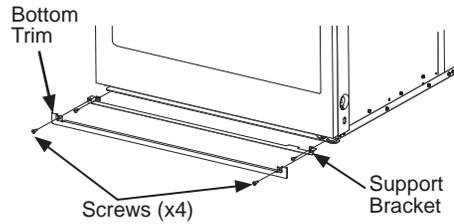


The Screws Must Be a Minimum of 1/4" (6 mm) From the Front of the Cutout.

Some models have custom handles. Please follow the instructions with the handles for proper installation.

11A BOTTOM TRIM INSTALLATION - NON-PEDESTAL, SWO AND DWO

With oven installed, attach the support bracket to its mounting holes in front vertical brace using two trim screws provided. Support bracket lip must be placed under flange of bottom air duct.

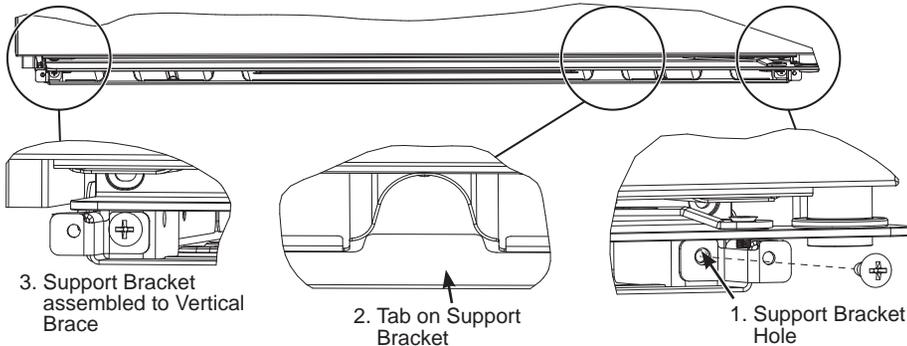


IMPORTANT: If this unit is ever removed from the cabinet or the oven is ever pulled out for service, the bottom trim must be removed first or damage to the trim will occur.

Single and Double Wall Oven Installations without a Pedestal

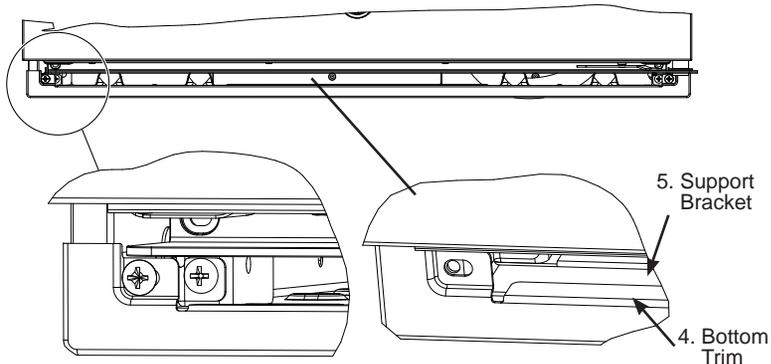
Assembling Support Bracket to Unit After Oven is Installed in Cabinet.

1. Align support bracket hole to the hole on vertical brace.
2. Make sure the tab on the support bracket is tucked under the bottom air duct.
3. Assemble the support bracket to the vertical brace left and right side with the two screws.



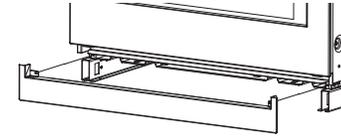
Assembling Bottom Trim to the Support Bracket

4. Make sure the bottom trim is setting on top of the support bracket across the entire width of the part and is not tucked underneath
5. Assemble the bottom trim to the support bracket left and right side with two screws on left and right.



11B BOTTOM TRIM INSTALLATION - DWO

With oven installed, attach the bottom trim through its mounting holes in front vertical brace using two trim screws provided. Bottom trim lip must be placed under flange of bottom air duct.



Double Wall Oven Installations with a Pedestal

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

12 FINAL INSTALLATION CHECKLIST

- 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 that all packing material and tape have been removed. Failure to remove these materials could result in damage to the appliance once the appliance has been turned on and surfaces have heated.
- Remove all items from inside the oven.
- Check to be sure that the mounting screws are installed and flush with the side trim (see Section 10).
- Check that the bottom trim is installed properly (see Section 11).
- Ensure that air duct opening at bottom of unit is free of obstructions.
- Check that oven racks function smoothly.
- If applicable - install handles following handle installation instructions and check that both ends are secured.

OPERATION CHECKLIST

- Turn on the power to the oven (refer to your Owner's Manual). Verify that the bake and broil units and all cooking functions operate properly.
- See your Owner's Manual for the troubleshooting list.
- Be sure all of the oven controls are OFF before leaving the oven.