

Installation Instructions

Gas Range



Questions? Call GE Appliances at 1.800.GE.CARES (1.800.432.2737) or visit GEAppliances.com.

IN THE COMMONWEALTH OF MASSACHUSETTS

- This product must be installed by a licensed plumber or gas fitter.
- When using ball type gas shut-off valves, they shall be the T-handle type.
- A flexible gas connector, when used, must not exceed 5 feet.

BEFORE YOU BEGIN

Read these instructions completely and carefully.

▲WARNING Remove existing anti-tip bracket from install space, if present.

- **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 for future reference.
- **Note to Servicer** – The electrical diagram is in an envelope attached to the left side panel, when the drawer is removed.
- Proper installation is the responsibility of installer.
- Product failure due to improper installation is not covered under the Warranty.
- **IMPORTANT** — Remove all packing material and literature from oven before connecting gas and electrical supply to range.
- **IMPORTANT** — To avoid damage to your cabinets, check with your builder or cabinet supplier to make sure that the materials used will not discolor, delaminate or sustain other damage. This oven has been designed in accordance with the requirements of UL and CSA International and complies with the maximum allowable wood cabinet temperatures of 194°F (90°C).
- **Skill level** – Installation of this appliance requires advanced mechanical skills and advanced electrical skills.

PROPER DISPOSAL OF YOUR APPLIANCE

Dispose of or recycle your appliance in accordance with Federal and Local Regulations. Contact your local authorities for the environmentally safe disposal or recycling of your appliance.

FOR YOUR SAFETY:



▲WARNING

Tip-Over Hazard

- A child or adult can tip the range and be killed.
- Install the anti-tip bracket provided with the unit to the wall or floor.
- Engage the range to the anti-tip bracket by sliding the range back such that the foot is engaged.
- Re-engage the anti-tip bracket if the range is moved.
- Failure to do so can result in death or serious burns to children or adults.

If you did not receive an anti-tip bracket with your purchase, call 1.800.626.8774 to receive one at no cost. For installation instructions of the bracket, visit: GEAppliances.com.

▲WARNING

Before beginning the installation, switch power off at 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.



Anti-Tip Bracket and Screws Included

Remove any currently used anti-tip bracket and install with the provided anti-tip bracket and screws.

▲WARNING Fire or Explosion

Hazard

If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

Installation must be performed by a qualified installer.

Installation of this range must conform with local codes, or in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/ NFPA.54, latest edition. In Canada, installation must conform with the current Natural Gas Installation Code, CAN/CGA-B149.1 or the current Propane Installation Code, CAN/CGA-B149.2, and with local codes where applicable. This range has been design-certified by CSA International according to ANSI Z21.1, latest edition and Canadian Gas Association according to CAN/CGA-1.1 latest edition.

When installing a gas appliance the use of old flexible connectors can cause gas leaks and personal injury. Always use a NEW flexible connector.

Leak testing of the appliance shall be conducted according to the manufacturer instructions.

The range must be electrically grounded in accordance with local codes or, in the absence of local codes, in accordance with the National Electrical Code (ANSI/NFPA 70, latest edition). In Canada, electrical grounding must be in accordance with the current CSA C22.1 Canadian Electrical Code Part 1 and/or local codes. See Electrical Connections.

Do not install this product with an air curtain hood or other range hood that operates by blowing air down on the cooktop. This airflow may interfere with operation of the gas burners resulting in fire or explosion hazard.

MATERIALS YOU MAY NEED

- Gas line shut-off valve
- Pipe joint sealant or UL-approved pipe thread tape with Teflon* that resists action of natural and propane gases
- Flexible metal appliance connector (1/2" I.D.). A 5-foot length is recommended for ease of installation but other lengths are acceptable. Never use an old connector when installing a new range.
- Flare union adapter for connection to gas supply line (3/4" or 1/2" NPT x 1/2" I.D.)
- Flare union adapter for connection to pressure regulator on range (1/2" NPT x 1/2" I.D.)
- Liquid leak detector or soapy water.

*Teflon: Registered trademark of DuPont

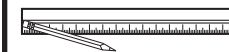
TOOLS YOU WILL NEED



Phillips Screwdriver



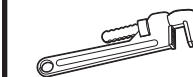
Open-end or Adjustable Wrench



Pencil and Ruler



Level



Pipe Wrenches (2)
(one for backup)



Drill



Safety Glasses



1/4" Nut Driver

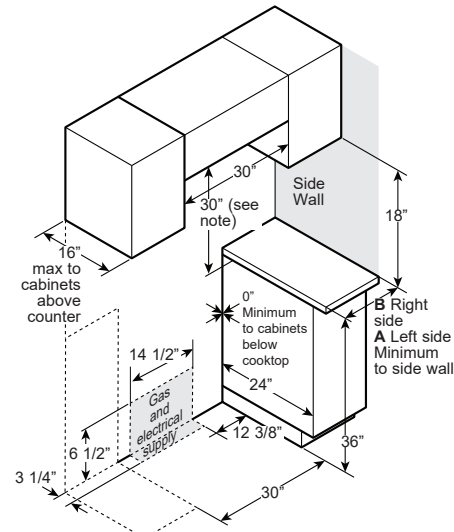
DIMENSIONS AND CLEARANCES

Provide adequate clearances between the range and adjacent combustible surfaces. These dimensions must be met for safe use of your range.

Allow 30" (76.2 cm) minimum clearance between burners and bottom of unprotected wood or metal cabinet, or allow a 24" (61 cm) minimum when bottom of wood or metal cabinet is protected by no less than 1/4" (6.4 mm) thick flame-retardant millboard covered with no less than No. 28 MSG sheet metal (.015" [.38 mm] thick), .015" (.38 mm) thick stainless steel, .025" (0.64 mm) aluminum or .020" (0.5 mm) copper.

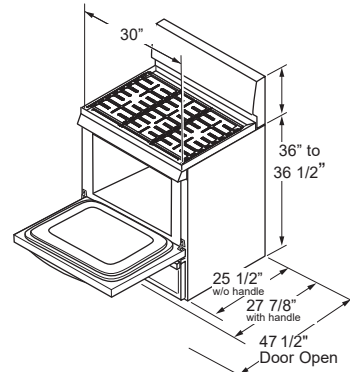
Installation of a listed microwave oven or cooking appliance over the cooktop shall conform to the installation instructions packed with that appliance.

For island installation, maintain 2-1/2" minimum from cutout to back edge of countertop and 3" minimum from cutout to side edges of countertop.

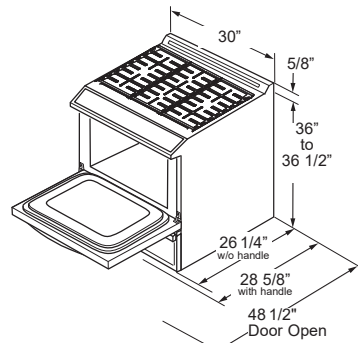


NOTE: Minimum to bare cabinet above: see Installation Instructions for alternate installation configurations.

Gas Range dimensions	A	B
4 Cooktop Burners	2"	2"
5 Cooktop Burners	6"	6"



REAR CONTROL



FRONT CONTROL

Gas Pipe and Electrical Outlet Locations

CAUTION To prevent drafts from affecting burner operation, seal all openings in floor under appliance and behind appliance wall.

Before installing your range on linoleum or any other synthetic floor covering, make sure the floor covering can withstand 180°F without shrinking, warping or discoloring. Do not install the range over carpeting unless a sheet of 1/4" thick plywood or similar insulator is placed between the range and carpeting.

MOBILE HOME - ADDITIONAL INSTALLATION REQUIREMENTS

The installation of this range must conform to the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280 (formerly the Federal Standard for Mobile Home Construction and Safety, Title 24, HUD Part 280). When such standard is not applicable, use the Standard for Manufactured Home Installations, ANSI A225.1/NFPA 501A or with local codes.

When this range is installed in a mobile home, it must be secured to the floor during transit. Any method of securing the range is adequate as long as it conforms to the standards listed above.

INSTALLATION AT HIGH ALTITUDE

Over 6000ft, product configured for natural gas or propane requires installation of kit (WB28X47007 for natural gas and JXBUFS04 for propane gas). Follow the instructions included with the kit.

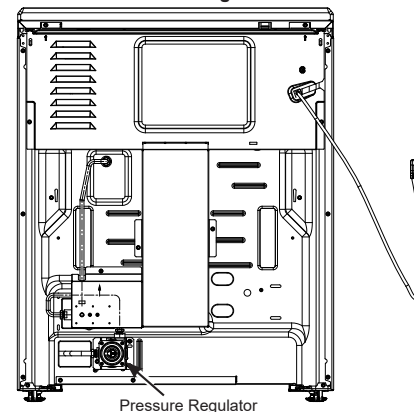
CONVERTING TO PROPANE GAS (OR CONVERTING BACK TO NATURAL GAS FROM PROPANE)

This range leaves the factory set for use with natural gas. If you want to convert to propane gas, the conversion must be performed by a qualified propane gas installer.

The conversion orifices and instructions can be found in the owner's manual packet.

Keep these instructions and all orifices in case you want to convert back to natural gas.

Rear of Range



Pressure Regulator

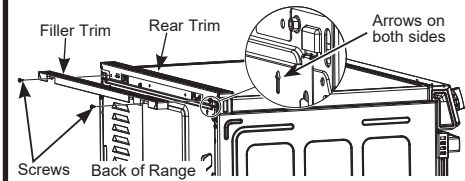
1 REMOVE PACKAGING MATERIALS:

Failure to remove packaging materials could result in damage to the appliance. Remove all packing parts from oven, racks, heating elements and drawer. Also, remove protective film and labels on the outer door, cooktop and control panel.

Consider recycling options for your appliance packaging material.

2 ATTACH REQUIRED FILLER TRIM

For ALL front control installations, the included filler trim must be installed. Remove the two screws on rear trim indicated with nearby arrows. Reuse these two screws to attach the filler trim to the back of the range.



3 GAS SUPPLY

WARNING Fire Hazard: Do not use a flame to check for gas leaks.

WARNING Explosion Hazard: Do not exceed 25 ft-lbs of torque when making gas line connections. Overtightening may crack the pressure regulator resulting in fire or explosion hazard.

Gas Pressure Regulator

You must use the gas pressure regulator supplied with this range. For proper operations the inlet pressure to the regulator should be as follows:

Natural Gas:

- Minimum pressure: 6" of Water Column
- Maximum pressure: 13" of Water Column

Propane Gas:

- Minimum pressure: 11" of Water Column
- Maximum pressure: 13" of Water Column

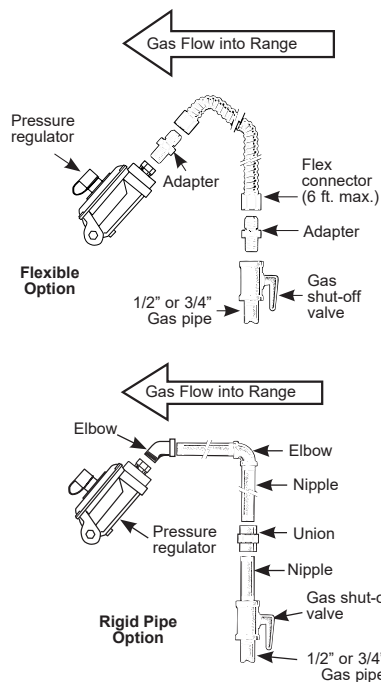
If you are not sure about the inlet pressure, contact local gas supplier.

3 GAS SUPPLY (Cont.)

Shut off the main gas supply valve before disconnecting the old range and leave it off until the new hook-up has been completed. Don't forget to relight the pilot on other gas appliances when you turn the gas back on. Because hard piping restricts movement of the range, the use of a CSA International-certified flexible metal appliance connector is recommended unless local codes require a hard-piped connection.

If the hard piping method is used, you must carefully align the pipe; the range cannot be moved after the connection is made.

CONNECTOR HOOKUP



Installer: Inform the consumer of the location of the gas shut-off valve.

4 ELECTRICAL CONNECTIONS

⚠ WARNING Shock Hazard: This appliance must be properly grounded. Failure to do so can result in electric shock.

Electrical Requirements - 120-volt, 60 Hertz, properly grounded circuit protected by a 15-amp or 20-amp circuit breaker or time delay

fuse. It is recommended that a separate circuit serving only this range be provided.

- Install a manual shut-off valve in the gas line in an easily accessed location outside of the range. Make sure everyone operating the range knows where and how to shut off the gas supply to the range.
- Install male 1/2" flare union adapter to the 1/2" NPT internal thread at inlet of regulator. Use a backup wrench on the regulator fitting to avoid damage.
- Install male 1/2" or 3/4" flare union adapter to the NPT internal thread of the manual shut-off valve, taking care to back-up the shut-off valve to keep it from turning.
- Connect flexible metal appliance connector to the adapter on the range. Position range to permit connection at the shut-off valve.
- When all connections have been made, make sure all range controls are in the off position and turn on the main gas supply valve. Use a liquid leak detector at all joints and connections to check for leaks in the system.

When using pressures greater than 1/2 psig to pressure test the gas supply system of the residence, disconnect the range and individual shut-off valve from the gas supply piping. When using pressures of 1/2 psig or less to pressure test the gas supply system, simply isolate the range from the gas supply system by closing the individual shut-off valve.

When checking for proper operation of the regulator, the inlet pressure must be at least 1" greater than the operating (manifold) pressure as given on rating label of product.

*Teflon: Registered trademark of DuPont

4 ELECTRICAL CONNECTIONS (Cont.)

Grounding

The power cord of this appliance is equipped with a three-prong (grounding) plug which plugs into a standard three-prong grounding wall receptacle to minimize the possibility of electric shock hazard from this appliance.

The customer should have the wall receptacle and circuit checked by a qualified electrician to make sure the receptacle is properly grounded.

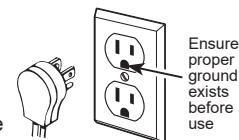
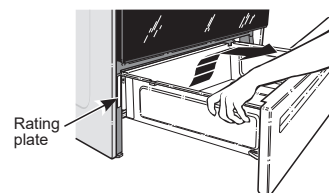
Where a standard two-prong wall receptacle is encountered, it is the personal responsibility and obligation of the customer to have it replaced with a properly grounded three-prong wall receptacle.

DO NOT, UNDER ANY CIRCUMSTANCES, CUT OR REMOVE THE THIRD (GROUND) PRONG FROM THE POWER CORD. DO NOT USE AN ADAPTER. DO NOT USE AN EXTENSION CORD.

NOTE: Ground Fault Circuit Interrupters (GFCI's) will not affect performance of the gas range

if operated on a GFCI-protected circuit but occasional nuisance tripping of the GFCI breaker is possible.

The rating plate is located on the frame surrounding the drawer.



6 SURFACE BURNERS

⚠ WARNING Fire or Explosion

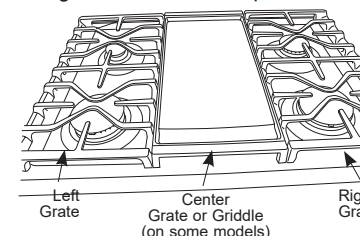
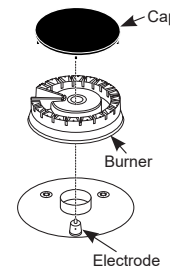
Hazard:

Do not operate the burner without all burner parts in place.

A. Burners - Place surface burners into corresponding positions on cooktop.

B. Caps - Place caps on proper size burner.

C. Grates - The left and right grates are interchangeable. Place the grates on the cooktop.



7 CHECK SURFACE BURNERS

Push and turn a knob to the LITE position. A clicking sound indicates proper operation of the ignition system. When lighting any burner, sparks will appear at all burners but gas flows from only the one selected. Once air is purged from the supply line, burner should light within 4 seconds. After burner lights, rotate the knob out of the LITE position. Try each burner in succession until all burners have been checked.

Quality of Flames

Determine the quality of flames visually. Normal burner flames should look like (A) or (B).



(A) Soft blue flames—
Normal for natural gas



(B) Yellow tips on
outer cones—
Normal for propane gas

Normal flames may show signs of an orange tint when well heated or signs of flickering orange due to particles in the gas or air.

5 INSTALL KNOBS

- Remove all knobs from packaging.
- Install the knobs onto the cooktop burner shafts.

8 CHECK BAKE AND BROIL BURNERS

■ Set Bake function to 350°F. Burner should light in 30 to 60 seconds.

■ Set broil to Broil Hi. Models with a gas burner should light in 30 to 60 seconds.

9 ANTI-TIP DEVICE INSTALLATION

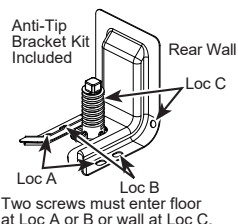
⚠ WARNING

Tip-Over Hazard

- A child or adult can tip the range and be killed.
- Install the anti-tip bracket provided with the unit to the wall or floor.
- Engage the range to the anti-tip bracket by sliding the range back such that the foot is engaged.
- Re-engage the anti-tip bracket if the range is moved.
- Failure to do so can result in death or serious burns to children or adults.

To reduce the risk of tipping the range, the range must be secured by a properly installed anti-tip bracket. Remove any currently used anti-tip bracket and install with the provided anti-tip bracket.

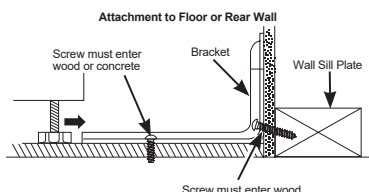
- IMPORTANT:** Determine the final location of the range before attempting to install the bracket. Remove existing anti-tip bracket from install space, if present.



- Place the bracket on the floor with the back edge against the rear wall. If the range does not reach the rear wall, align the back edge of the bracket with the rear panel of the range in its final location. If bracket does not touch the rear wall, you **MUST** screw bracket to **FLOOR** as described in Step 2.
- Position the side of the bracket against either the left or right cabinet. If there is no adjacent cabinet, align the edge of the bracket with the side panel of the range in its final location. If the countertop overhangs the cabinet, offset the bracket from the cabinet by the amount of overhang.
- Mark the location for the pair of holes to be used (see illustration above).

NOTE: For **FLOOR** installation use either Loc A or B. For **REAR WALL** installation use Loc C.

- The bracket must be screwed to either the **FLOOR** or **REAR WALL**.



FLOOR Installation:

WOOD FLOOR: Use the screws provided to secure the bracket using the pair of marked holes (either Loc A or B).

CONCRETE FLOOR: Using a concrete bit, drill a 5/32" pilot hole 2" deep into the concrete at the center of each of the marked holes (either Loc A or B). Use the screws provided to secure the bracket into the floor.

REAR WALL Installation:

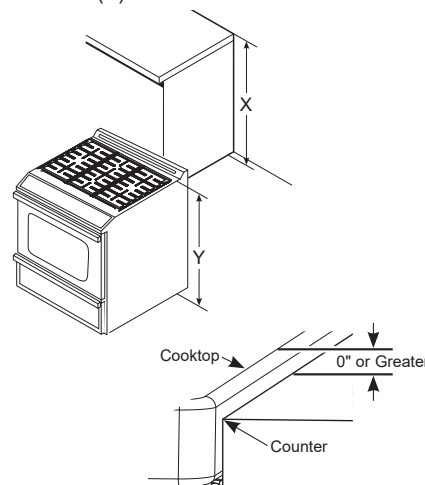
Use the 2 screws provided to secure the bracket using the pair of marked holes at Loc C. The screws **MUST** enter into a wood sill plate. If the wall contains any metal studs or similar materials, then the floor must be used.

- To check if the bracket is installed and engaged properly, look underneath the range to see that the rear leveling leg is engaged in the bracket. On some models, the storage drawer or kick panel can be removed for easy inspection. If visual inspection is not possible, slide the range forward, confirm the anti-tip bracket is securely attached to the floor or wall, and slide the range back so the rear leveling leg is under the anti-tip bracket. If your range is removed for cleaning, servicing, or any reason, be sure the anti-tip device is reengaged properly when the range is replaced. Failure to take this precaution could result in tipping of the range and can result in death or serious burns to children or adults. Never completely remove the leveling legs or the range will not be secured to the anti-tip device properly.

10 LEVEL THE RANGE

⚠ WARNING Never completely remove the leveling leg as the range will not be secured to the anti-tip device properly.

- Plug in the unit and remove the drawer. Refer to your owner's manual for instructions.
- Measure the height of your countertop at the rear of the opening (X).
- Adjust two rear leveling legs so that the rear of cooktop is higher than or equal to the counter (Y).

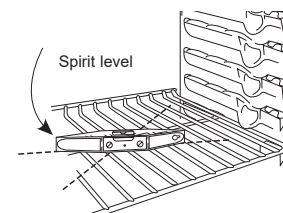


- Slide unit into place taking care to engage the leveling legs in the anti-tip device.

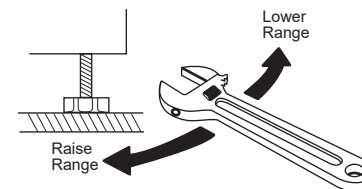
E. Look under the unit and verify that the rear leg is fully engaged with the anti-tip device. If not, remove the unit and adjust the height of the rear leg so that it is properly engaged.

F. Install racks in the oven.

G. Check for levelness by placing a spirit level on one of the oven shelves. Take two readings—with the level placed diagonally first in one direction and then the other.



H. Use an adjustable wrench to adjust the front leveling legs until the range is level.



I. Position cord so that it does not interfere with drawer.

J. Reinstall the drawer. Refer to your owner's manual for instructions.

11 FINAL INSTALLATION CHECKLIST

- Make sure the flow of combustion and ventilation air to the range is unobstructed.
- Check that all packing materials and tape have been removed. This will include tape on metal panel under control knobs (if applicable), adhesive tape, wire ties, cardboard and protective plastic. Failure to remove these materials could result in damage to the appliance once the appliance has been turned on and surfaces have heated.
- Make sure all controls are left in the off position.