Installation Instructions Range

Questions? Call 1.800.GE.CARES (1.800.432.2737) or visit www.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

AWARNING

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

Read these instructions completely and carefully. 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 vith 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/

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

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 in this section.

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 resúlting in fire or explosion hazard.

FOR YOUR SAFETY:

CGA-1.1 latest edition.



A child or adult can tip the range and be killed. Install the anti-tip bracket 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.

▲ WARNING

If you did not receive an anti-tip bracket with your purchase, call 1.800.626.8774 to receive one at no cost. (In Canada, call 1.800.561.3344.) For installation instructions of the bracket, visit: www.GEAppliances.com. (In Canada, www.GEAppliances.ca.)



Anti-Tip Bracket

AWARNING 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.

TOOLS YOU WILL NEED



Pipe wrenches (2)

(one for backup)

6 PS Open-end or adjustable wrench

screwdriver Pencil and ruler

Drill, awl or nail

Never use an old connector when installing a

and LP gases

■ Flare union adapter for connection to gas supply line (3/4" or 1/2" NPT x 1/2" I.D.)

MATERIALS YOU MAY NEED

■ Pipe joint sealant or UL-approved pipe thread

■ Flexible metal appliance connector (1/2" I.D.)

A 5-foot length is recommended for ease of installation but other lengths are acceptable.

tape with Teflon* that resists action of natural

■ Flare union adapter for connection to pressure regulator on range (1/2" NPT x 1/2" I.D.)

*Teflon: Registered trademark of DuPont

■ Liquid leak detector or soapy water.

BEFORE YOU BEGIN

IMPORTANT — Save these instructions for local inspector's use.

IMPORTANT — Observe all governing

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).

Note to Installer – Be sure to leave these instructions with consumer

Note to consumer – Keep these instructions for

Servicer – The electrical diagram is in an envelope attached to the back of the range. Proper installation is the responsibility of the

AWARNING Shock Hazard: This

Electrical Requirements - 120-volt, 60 Hertz,

do so can result in electric shock.

not recommended for this product.

appliance must be properly grounded. Failure to

properly grounded dedicated circuit protected by a 15-amp or 20-amp circuit breaker or time delay fuse.

Note: Use of automatic, wireless, or wired external

switches that shut off power to the appliance are

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

The customer should have the wall recentacle

and circuit checked by a qualified electrician to

make sure the receptacle is properly grounded.

Product failure due to improper installation is not covered under warranty.

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 Saftey, Title 24, HUD Part 280). When such standard is not applicable, use the Standard fo Manufactured Home Installations, ANSI A225.1/ NFPA 501A or with local codes.

In Canada, the installation of this range must conform with the current standards CAN/CSA A240-latest edition, 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

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.

not required or recommended for gas range receptacles. Performance of the range will not be affected if operated on a GFCI-protected circuit

Insure proper

ground exists

before use

Ground Fault Circuit Interrupters (GFCI's) are

but occasional nuisance tripping of the GFCI

DO NOT USE AN EXTENSION CORD.

breaker is possible

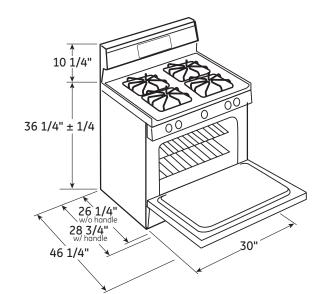
DIMENSIONS AND CLEARANCES

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

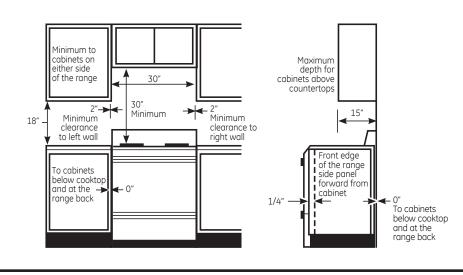
Allow 30" (76.2 cm) minimum clearance between burners and bottom of unprotected wood or metal cabinet, or allow a 24" (61 cm) minimum when bottom of wood or metal cabinet is protected by no less than 1/4" (6.4 mm) thick flame-retardant millboard covered with no less

than No. 28 MSG sheet metal (.015" [.38 mm] hick), .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

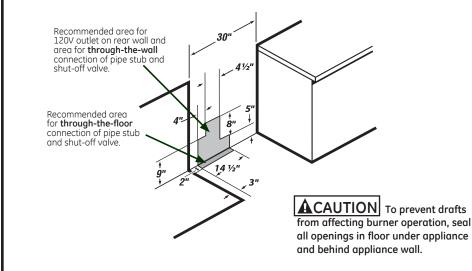
conform to the installation instructions packed with that appliance. For island installation, maintain 2-1/2" minimum from cutout to back edge of countertop and 3" minimum from cutout to side edges of



countertop.



DIMENSIONS AND CLEARANCES (CONT.) GAS PIPE AND ELECTRICAL OUTLET LOCATIONS

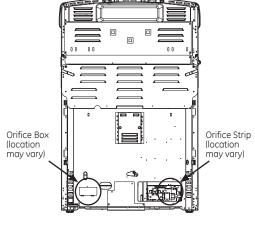


CONVERTING TO LP GAS (OR CONVERTING BACK TO NATURAL GAS FROM LP)

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

The conversion orifices and instructions can be found on back of the range.

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



Rear of Range

1 GAS SUPPLY

AWARNING Fire Hazard: Do not use a lame to check for gas leaks.

AWARNING 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 oressure to the regulator should be as follows:

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

Minimum pressure: 11" of Water Column

Maximum pressure: 13" of Water Column f you are not sure about the inlet pressure ontact local gas supplier

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.

the range, the use of a CSA Internationalcertified flexible metal appliance connector is recommended unless local codes require a hardpiped connection.

f the hard piping method is used, you must carefully align the pipe; the range cannot be male (external) pipe threads. A. 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.

B. 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

C. 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

D. Connect flexible metal appliance connector to the adapter on the range. Position range to permit connection at the shut-off valve.

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.

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 n the aas supply system by closina t 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

*Teflon: Registered trademark of DuPont

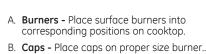
To prevent gas leaks, put pipe joint compound on or wrap pipe thread tape with Teflon* around, all

given on rating label of product.

3 SURFACE BURNERS

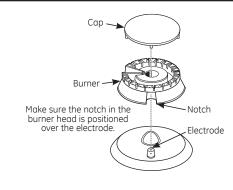
from this appliance.

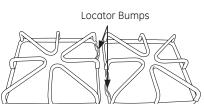
AWARNING Fire or Explosion Hazard: Do not operate the burner without all burner parts in place.



Single Grates - Place the oval (center) head/

cap assembly over the electrode on the





4 CHECK SURFACE BURNERS

Push and turn knob to LITE position. You will hear a clicking sound indicating proper operation of he spark module. Once the air has been purged rom the supply lines, burners should light withir 4 seconds. After burner lights, rotate knob out of the LITE position. Try each burner in succession until all burners have been checked.

Quality of Flames

BURNERS

The flame quality of the burners needs to be

If burner flames look like (A), call for service. Normal burner flames should look like (B) or (C), depending on the type of gas you use

With LP gas, some yellow tipping on outer cones

(A) Yellow flames-



(B) Yellow tips on Normal for LP aas



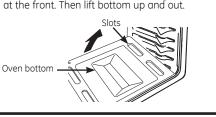
(C) Soft blue flames-Normal for natural gas

5 CHECK BAKE AND BROIL

To remove the oven bottom: A. Remove the screws holding down rear of the

oven bottom B. Grasp the oven bottom at rear slots on each

C. Lift the rear of the oven bottom and slide it back until it clears the lip of the range frame



■ Set Bake function to 350°F. Burner should light in 30 to 90 seconds

■ Check Flame Quality. Flames should have approximately 1" blue

· Natural gas should burn with no yellow

• LP gas flames have slight yellow tips

After warming up, the flame should not lift

■ Check broil burner using the same method as the bake burner.

A. If the flames are vellow, open shutter more

B. If the flames lift off the burner, close the air

shutter more than the original setting.

Check flames again and adjust further if

than the original setting

necessary. Replace oven bottom.

7 INSTALL AND CHECK ANTI-TIP DEVICE

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

Follow instructions supplied with ANTI-TIP bracket



8 LEVEL THE RANGE

AWARNING Never completely remove the eveling leg as the range will not be secured to the anti-tip device properly.

cooktop is at the same height as the counter (Y).

A. Plug in the unit.

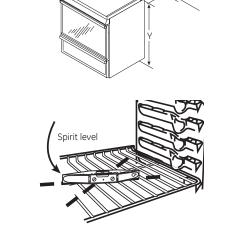
B. Measure the height of your countertop at the rear of the opening (X). **C.** Adjust two rear leveling legs so that the rear of

D. Slide unit into place. **E.** Install oven shelves in the oven and position the

and then the other.

range where it will be installed. F. Check for levelness by placing a spirit level on one of the oven shelves. Take two read the level placed diagonally first in one direction

G. Adjust front leveling legs until the range is level. H. 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



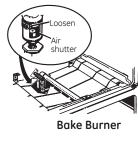
WHEN ALL HOOKUPS ARE COMPLETED

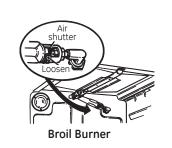
Make sure all controls are left in the off position. Make sure the flow of combustion and ventilation air to the range is unobstructed.

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.

6 ADJUST BAKE AND BROIL AIR SHUTTER IF NECESSARY

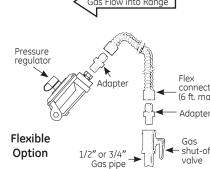
To adjust the flow of air to either burner, loosen the Phillips head screw and rotate the shutter

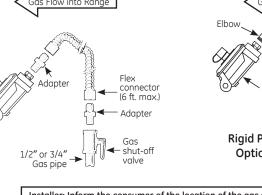


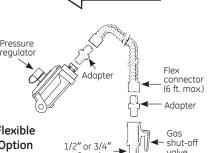


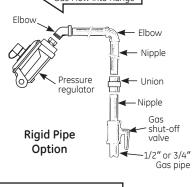
INSTALLATION INSTRUCTION 31-10897-3 02-16 GE JGBS60, JGB635, JGB450

CONNECTOR HOOKUP



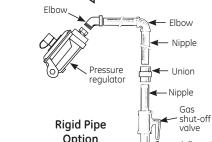






2 | ELECTRICAL CONNECTIONS

F When all connections have been made make When using pressures greater than 1/2 psig



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

31-10897-2 10-13 GE