

# Smart Choice™

## 7/8" Gas Range Connector Installation Kit

BEFORE BEGINNING INSTALLATION, READ  
ALL MANUFACTURER'S INSTALLATION  
INSTRUCTIONS THOROUGHLY

### **DANGER**

#### FIRE AND ELECTROCUTION HAZARD

INSTALLATION AND SERVICE MUST BE  
PERFORMED BY A QUALIFIED INSTALLER.  
THESE INSTRUCTIONS ARE INTENDED FOR  
PROFESSIONAL INSTALLATION ONLY. IF  
YOU DO NOT POSSESS THE NECESSARY  
QUALIFICATIONS AND CERTIFICATION DO  
NOT ATTEMPT THE INSTALLATION YOURSELF!

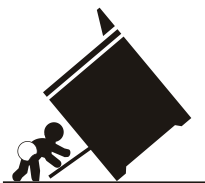
#### **This Kit Includes:**

- ☐ One 4' Long x 7/8" OD Gas Supply Line
- ☐ Two 7/8" OD Flare x 3/4" MIP Fitting
- ☐ One Tube of Thread Sealant
- ☐ One Tube of Leak Detector Solution

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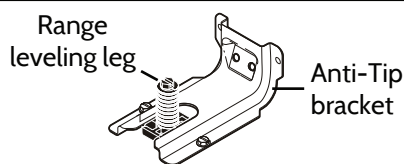
# IMPORTANT SAFETY INSTRUCTIONS - GAS RANGE

INSTALLATION AND SERVICE MUST BE PERFORMED BY A QUALIFIED INSTALLER. IMPORTANT: SAVE FOR LOCAL ELECTRICAL INSPECTOR'S USE. READ AND SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.



## **⚠ WARNING** Tip Over Hazard

- A child or adult can tip the range and be killed.
- Verify the anti-tip device has been installed to floor or wall.
- Ensure the anti-tip device is re-engaged when the range is moved to floor or wall.
- Do not operate the range without the anti-tip device in place and engaged.
- Failure to follow these instructions can result in death or serious burns to children and adults.



To check if the anti-tip bracket is installed properly, use both arms and grasp the rear edge of range back. Carefully attempt to tilt range forward. When properly installed, the range should not tilt forward.

Refer to the anti-tip bracket installation instructions supplied with your range for proper installation.

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

## FOR YOUR SAFETY:

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

## WHAT TO DO IF YOU SMELL GAS:

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.



Refer to your serial plate for applicable agency certifications

## Provide proper fuel type

**Before proceeding:** Your range is usually factory preset to operate on natural gas. If L.P. conversion is needed, contact your local L.P. Gas provider for assistance.

The L.P. conversion kit may be located on the lower rear back panel of the range. If no L.P. kit is provided, contact your product dealer to obtain the correct L.P. conversion kit.

## Important notes to the installer

- Read all instructions contained in these installation instructions before installing range.
- Remove all packing material from the oven compartments before connecting the gas and electrical supply to the range.
- Observe all governing codes and ordinances.
- Be sure to leave these instructions with the consumer.

## Important notes to the consumer

- Keep these instructions with your **Use & Care Guide** for future reference.
- Be sure your range is installed and grounded properly by a qualified installer or service technician.

Special instructions for appliances installed in the State of Massachusetts:

This appliance can only be installed in the State of Massachusetts by a Massachusetts licensed plumber or gas fitter.

# IMPORTANT SAFETY INSTRUCTIONS - GAS RANGE

## IMPORTANT SAFETY INSTRUCTIONS

- Range must conform with local codes or, in the absence of local codes, with the National Fuel Gas Code ANSI Z223.1—latest edition when installed in the United States.
- When installed in a manufactured (mobile) home, installation must conform with 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)] or, when such standard is not applicable, the Standard for Manufactured Home Installations, ANSI/NCSBCS A225.1, or with local codes.
- As with any appliance using gas and generating heat, there are certain safety precautions you should follow. You will find them in the Use & Care Guide, read it carefully.
- Be sure your range is installed and grounded properly by a qualified installer or service technician.
- This range must be electrically grounded in accordance with local codes or, in their absence, with the National Electrical Code ANSI/NFPA No. 70—latest edition when installed in the United States. See Grounding Instructions on page 8.
- Before installing the range in an area covered with linoleum or any other synthetic floor covering, make sure the floor covering can withstand heat at least 90°F above room temperature without shrinking, warping or discoloring. Do not install the range over carpeting unless you place an insulating pad or sheet of 1/4-inch thick plywood between the range and carpeting.
- Make sure the wall coverings around the range can withstand the heat generated by the range.
- Do not obstruct the flow of combustion air at the oven vent nor around the base or beneath the lower front panel of the range. Avoid touching the vent openings or nearby surfaces as they may become hot while the oven is in operation. This range requires fresh air for proper burner combustion.
- Air curtain or other overhead range hoods, which operate by blowing a downward air flow on to a range, shall not be used in conjunction with gas ranges other than when the hood and range have been designed, tested and listed by an independent test laboratory for use in combination with each other.

**⚠ WARNING** DO NOT MAKE ANY ATTEMPT TO OPERATE THE ELECTRIC IGNITION OVEN DURING AN ELECTRICAL POWER FAILURE. RESET ALL OVEN CONTROLS TO “OFF” IN THE EVENT OF A POWER FAILURE.

The electric ignitor will automatically re-ignite the oven burner when power resumes if the oven thermostat control was left in the “ON” position. When an electrical power failure occurs during use, the surface burners will continue to operate.

During a power outage, the surface burners can be lit with a match. Hold a lighted match to the burner, then slowly turn the knob to the LITE position. Use extreme caution when lighting burners this way.

**⚠ WARNING** Never leave children alone or unattended in the area where an appliance is in use. Teach children the proper, safe use of all appliances. Never leave the oven door open when the range is unattended.

**⚠ WARNING** Stepping, leaning or sitting on the doors or drawers of this range can result in serious injuries and can also cause damage to the range.

- Do not store items of interest to children in the cabinets above the range. Children could be seriously burned climbing on the range to reach items.
- To eliminate the need to reach over the surface burners, cabinet storage space above the burners should be avoided.
- Adjust surface burner flame size so it does not extend beyond the edge of the cooking utensil. Excessive flame is hazardous.
- Do not use the oven as a storage space. This creates a potentially hazardous situation.
- Never use your range for warming or heating the room. Prolonged use of the range without adequate ventilation can be dangerous.
- Do not store or use gasoline or other flammable vapors and liquids near this or any other appliance. Explosions or fires could result.
- Reset all controls to the “OFF” position after using a programmable timing operation.

# GAS RANGE INSTALLATION REQUIREMENTS

## Tools you will need for Gas Supply Connection

(Wear safety glasses when using tools):

- Adjustable wrench and pipe wrench (Figs. a & e)

### For burner flame adjustment:

- Phillips head and **small** flat-blade screwdrivers (Figs. b & f)

### For Range Installation:

- Level (Fig. d)

## Materials provided in this kit:

- Pipe joint sealant that resists action of LP/Propane gas (Fig. h)
- Leak Detection Solution (Fig. i)
- A new 7/8" flexible metal appliance gas line connector. Because solid pipe restricts moving the range, we recommend using a new flexible conduit for each new installation and additional re-installations. (Fig. k)
- Two Flare union adapters (3/4" MIP x 7/8" OD Flare Union)(Fig. l)

## Other Required Materials:

- Gas line manual shut-off valve (Fig. j)

## Materials supplied with appliance:

- Anti-Tip Template (Fig. m)
- Anti-Tip bracket; includes 2 mounting screws (Fig. n)

## Tools

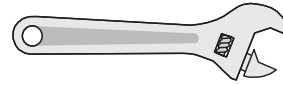


Fig. a

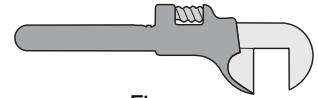


Fig. e

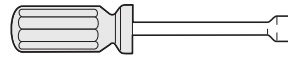


Fig. b

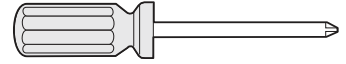


Fig. f

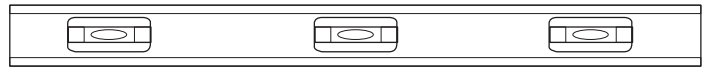


Fig. d

## Materials



Fig. h



Fig. i

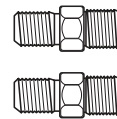


Fig. l



Fig. j

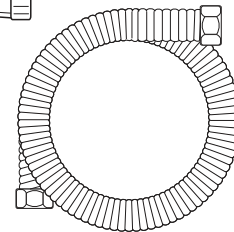


Fig. k

## Materials supplied with appliance

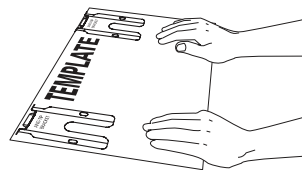


Fig. m

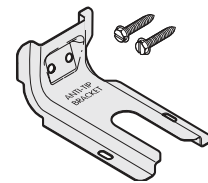


Fig. n



# GAS RANGE INSTALLATION INSTRUCTIONS

## 1 Provide an adequate gas supply.

**Please note:** Operation at elevations above 2000 ft., appliance rating shall be reduced at the rate of 4 percent for each 1000 ft. above sea level.

A convertible pressure regulator is connected to the manifold and **MUST** be connected in series with the gas supply line. If the LP/Propane conversion kit has been used, follow instructions provided with the kit for converting the pressure regulator to LP/Propane use.

Care must be taken during installation of range not to obstruct the flow of combustion and ventilation air.

For proper operation, the maximum inlet pressure to the regulator should be no more than 14 inches of water column pressure. The inlet pressure to the regulator must be at least 1 inch greater than regulator manifold pressure.

Example: If regulator is set for natural gas 4 inch manifold pressure, inlet pressure must be at least 5 inches; if regulator has been converted for LP/Propane gas 10 inch manifold pressure, inlet pressure must be at least 11 inches.

Leak testing of the appliance shall be conducted according to the instructions in step 4g.

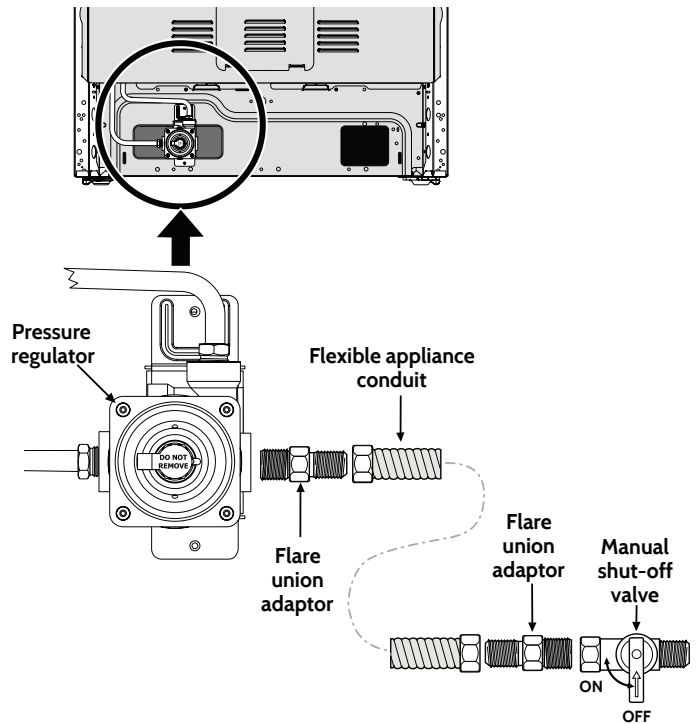


Fig. 8 - gas supply connections

Be sure to **stabilize** the left side of the gas pressure regulator before tightening ANY fittings to the pressure regulator. Do not allow pressure regulator to turn on pipe when tightening fittings (Refer to Fig. 9).

## 2 Seal wall openings.

Seal any openings in the wall behind the range and in the floor under the range after gas supply line is installed.

## 3 Connect range to gas supply.

**Note:** To prevent leaks use pipe joint sealant on all male (outside) pipe threads. **Do not** allow gas pressure regulator to turn on pipe when tightening fittings.

- Install an external manual gas shut-off valve to gas supply line in an accessible location outside of range. Be sure you know where and how to shut off the gas supply to the range (See Fig. 8).
- Install 3/4" flare union adaptor to gas pressure regulator using **no more than 15ft./lbs.** of torque (Refer to Fig. 8).

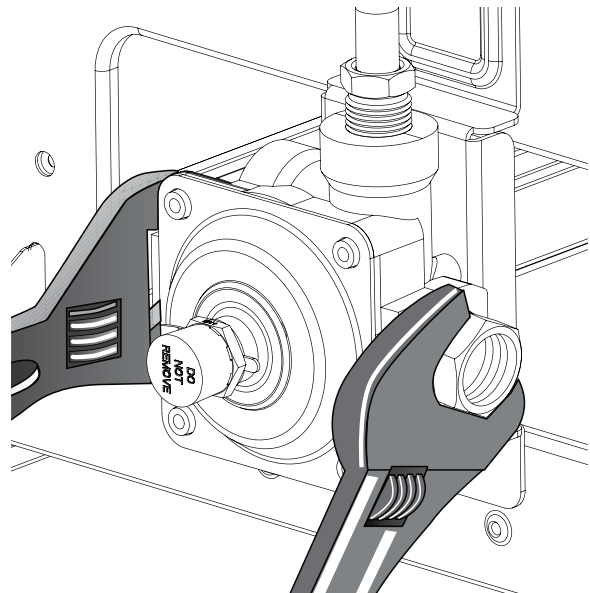


Fig. 9

# GAS RANGE INSTALLATION INSTRUCTIONS (CONT.)

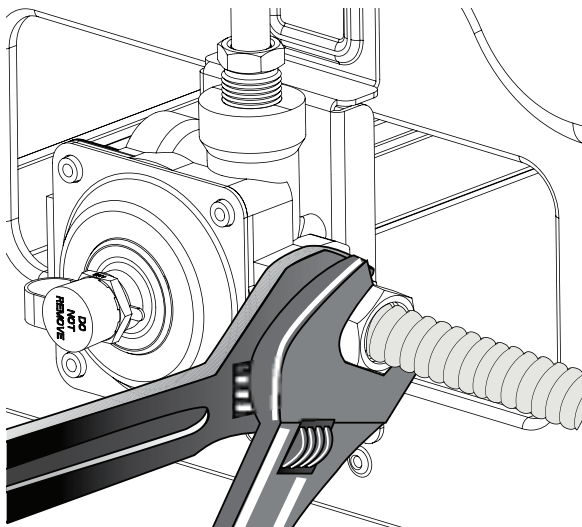


Fig. 10

- c. Install flare union adapter to external manual shut-off valve (See Fig. 8).
- d. Attach flexible appliance conduit to flare union adaptor on shut-off valve (See Fig. 8).
- e. Make sure the **service shut-off valve on pressure regulator (if provided)** is set to the **ON** position (See Fig. 11).

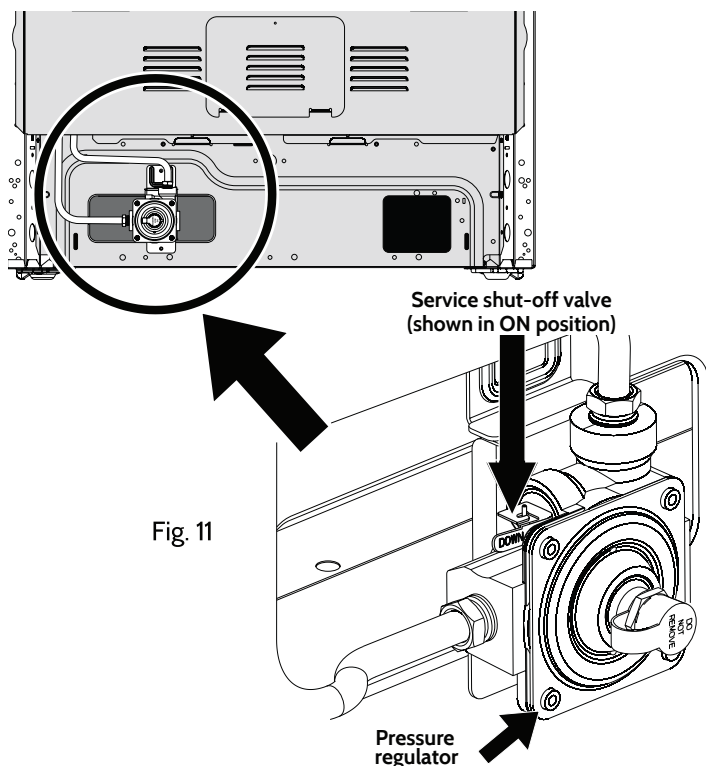


Fig. 11

- f. Check for gas leaks. Turn the gas supply on to the range and use the liquid leak detector at all joints and conduits to check for leaks in the system.

## Checking manifold gas pressure

### **⚠ WARNING** Do not use flame to check for gas leaks.

Disconnect the range and its individual shut-off valve from the gas supply piping system during any pressure testing of that system at test pressures greater than 14" of water column pressure (approximately 1/2" psig).

The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 14" of water column pressure (approximately 1/2" psig).

If it should be necessary to check the manifold gas pressure, connect manometer (water gauge) or other pressure device to the top burner right rear orifice. Using a rubber hose with inside diameter of approximately 1/4," hold tubing down tight over orifice. Turn burner valve on.

For an accurate pressure check have at least two (2) other top burners burning. Be sure the gas supply (inlet) pressure is at least one inch above specified range manifold pressure. The gas supply pressure should never be over 14" water column. When properly adjusted for Natural Gas the manifold pressure is 4". For LP/Propane Gas the manifold pressure is 10".

### Limited Warranty

Smart Choice® Parts and Accessories are warranted to be free from defects in material and workmanship for a period of 90 days from date of purchase. If this product is found to be defective, return to place of purchase for replacement. Smart Choice® Parts & Accessories shall not be liable for damages or delays caused by defects in material or workmanship, improper installation, consequential loss, service call costs, installation or reinstallation costs, or by failure due to normal wear.

Made In The USA With Globally Sourced Components