

Installation Instructions

	⚠ WARNING • ALL RANGES CAN TIP • INJURY TO PERSONS COULD RESULT • INSTALL ANTI-TIP DEVICE PACKED WITH RANGE • SEE INSTALLATION INSTRUCTIONS

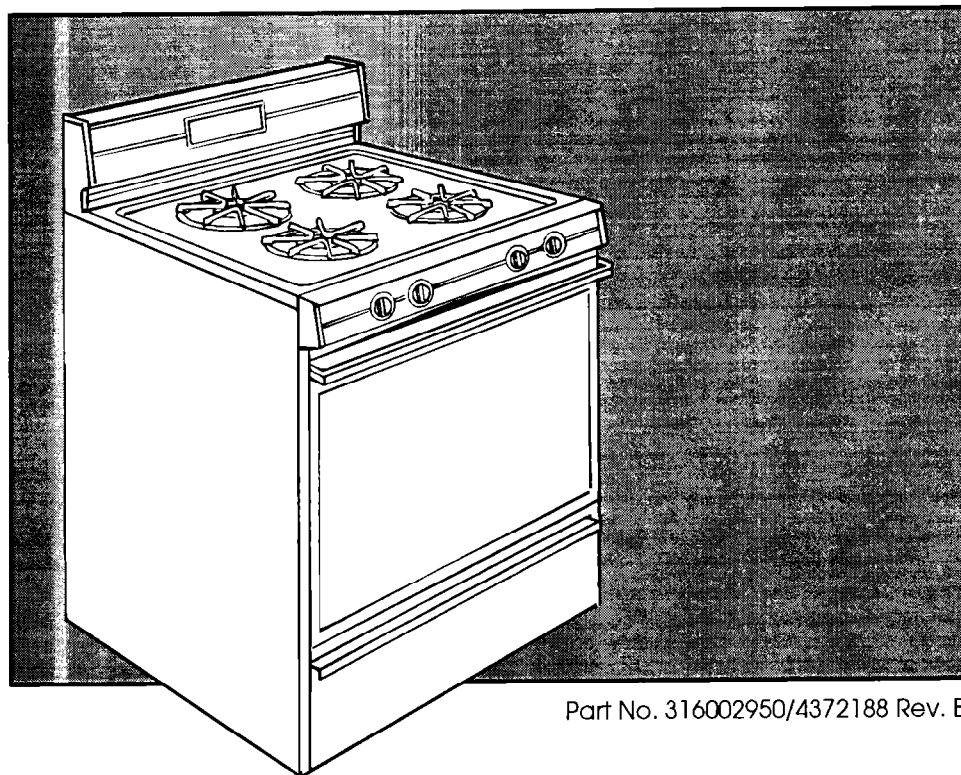
IMPORTANT:
Read and save
these instructions.

IMPORTANT:

Installer: Leave Installation Instructions and anti-tip bracket template with the homeowner.

Homeowner: Keep Installation Instructions and anti-tip bracket template for future reference.

Save Installation Instructions for local electrical inspector's use.

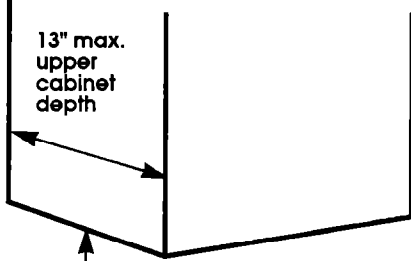


Part No. 316002950/4372188 Rev. B

**30" Freestanding
Gas Range**

Before you start...

Proper installation is your responsibility. A qualified technician must install this range. Make sure you have everything necessary for correct installation. It is the responsibility of the installer to comply with the installation clearances specified on the serial/rating plate. The serial/rating plate is located under the cooktop.



13" max.
upper cabinet
depth

18" min.
clearance
upper cabinet
to countertop

30" min.
opening width

1" min. countertop
space to side wall or
other combustible
material.

Check location where range will be installed. The range should be located away from strong draft areas, such as windows, doors and strong heating vents or fans. The range should be located for convenient use in the kitchen. Recessed installations must provide complete enclosure of the sides and rear of range.

Do Not pinch the
power cord
between the
range and wall.

Grounded
electrical
outlet is
required. See
Electrical
requirements.

Do Not seal the
range to the
side cabinets.

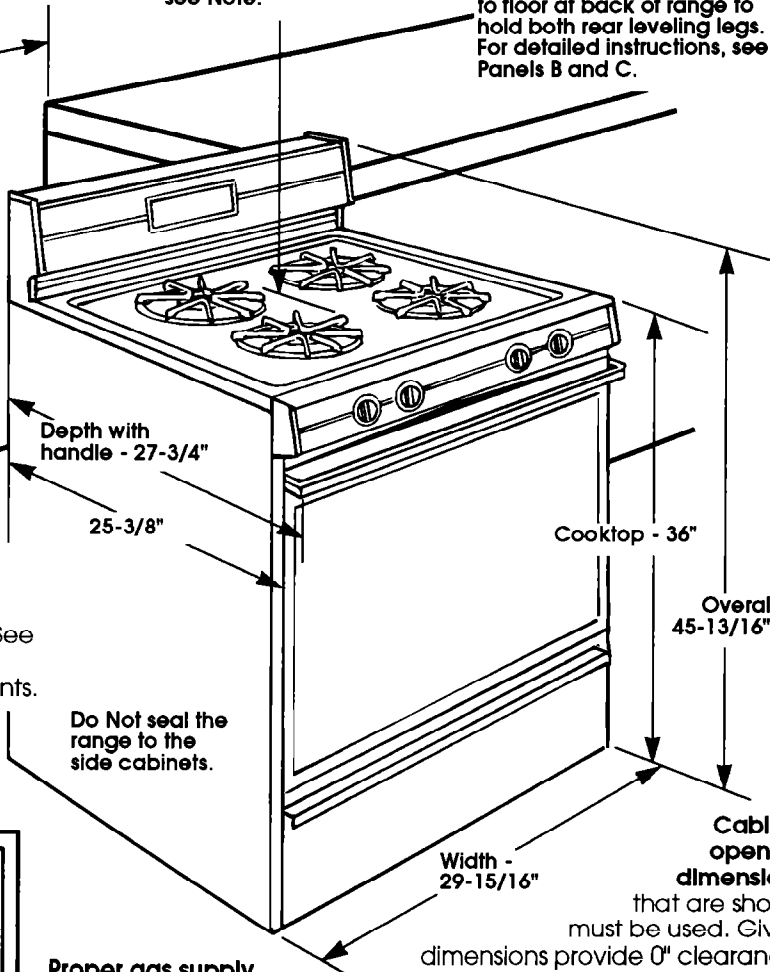
Important: Observe all governing codes and ordinances.

* Note: 30" min. when bottom of wood or metal cabinet is protected by not less than 1/4" flame retardant millboard covered with not less than No.28 MSG sheet steel, 0.015" stainless steel, .024" aluminum or 0.020" copper.

36" min. clearance between the top of the cooking platform and the bottom of an unprotected wood or metal cabinet.

For minimum clearances,
see Note.*

Both anti-tip brackets **MUST** be installed. Brackets attach to floor at back of range to hold both rear leveling legs. For detailed instructions, see Panels B and C.

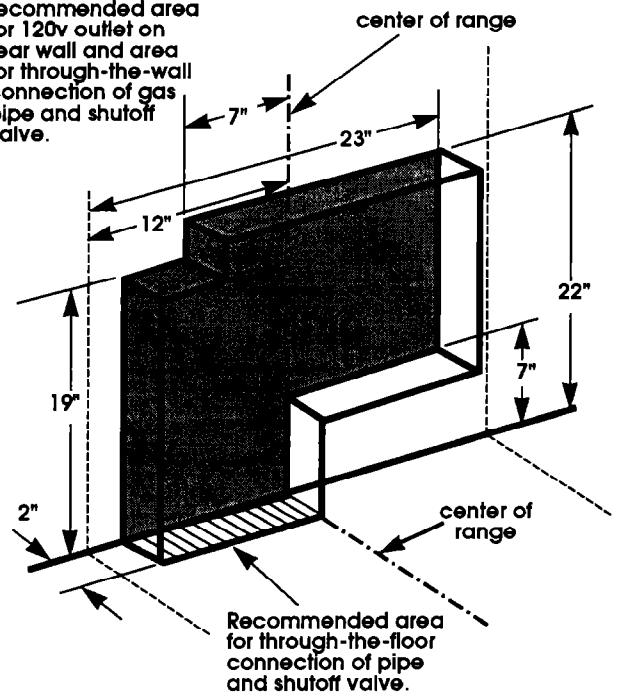


Proper gas supply
connection must be
available. See Gas supply
requirements.

ALL OPENINGS IN THE WALL OR
FLOOR WHERE THE RANGE IS TO
BE INSTALLED MUST BE SEALED

Electrical and gas dimensions

Shaded area is recommended area for 120v outlet on rear wall and area for through-the-wall connection of gas pipe and shutoff valve.



Mobile Home Installation

The installation of this range must conform to the Manufactured Home Construction and Safety Standards, 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 Installation 1982 (Manufactured Home Sites, Communities and Setups), ANSI Z225.1-NFPA 501A, — latest edition, or with local codes.

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

Copies of the standards listed may be obtained from:

- * National Fire Protection Association
Batterymarch Park
Quincy, Massachusetts 02269
- ** American Gas Association
1515 Wilson Boulevard
Arlington, Virginia 22209

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

- 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.

WARNING

Fire Hazard

Do Not obstruct the flow of combustion and ventilation air.

Personal Injury Hazard

To eliminate the risk of burns or fire, avoid installing cabinet storage above the cooking surface. If cabinets are already installed, reduce the hazard of reaching over a heated cooking surface by installing a range hood. The range hood should extend a minimum of 5 inches out from the bottom front of the cabinets. Reaching over a heated cooking surface could result in a serious burn.

Electrical Shock Hazard

It is the customer's responsibility:

- To contact a qualified electrical installer.
 - To assure that the electrical installation is adequate and in conformance with National Electrical Code, ANSI/NFPA 70 — latest edition*, and all local codes and ordinances.
- Failure to do so could result in electrical shock or other personal injury.

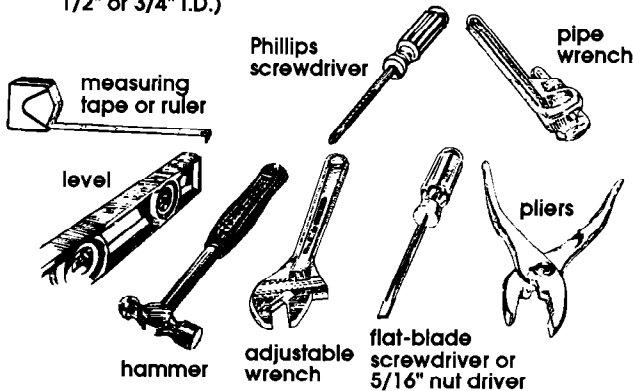
CAUTION

Property Damage

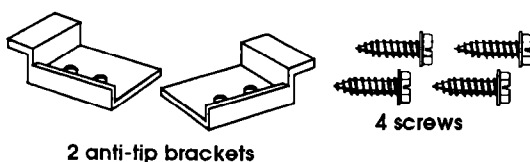
- Contact a qualified floor covering installer to check that the floor covering can withstand heat at least 90°F above room temperature.
 - Use an insulated pad or 1/4" plywood under range if installing range over carpeting.
- Failure to do so may result in damage to floor covering.

Tools and materials needed for installation:

- gas line shutoff valve
- L.P.-resistant pipe-joint compound
- A.G.A. design-certified flexible metal connector
- flare union adapter for connection to pressure regulator (1/2" NPT x 1/2" or 3/4" I.D.)
- electric drill
- wood floor: 3/16" drill bit
- concrete/ceramic floor: 3/16" carbide-tipped masonry drill bit



Parts supplied for installation:



Gas supply requirements

Observe all governing codes and ordinances

WARNING

Fire Hazard

- Range must be connected to a regulated gas supply.
 - L.P. gas supply must Not exceed a pressure of 14" water column. This must be checked by a qualified technician before installing the range.
 - Do Not use an open flame to test for leaks from gas connections.
 - New, A.G.A. design-certified, flexible gas line should be used when codes permit.
- Failure to follow these instructions could result in a fire, explosion or personal injury.

A. This installation must conform with local codes and ordinances. In the absence of local codes, installations must conform with American National Standard, National Fuel Gas Code ANSI Z223.1 — latest edition.**

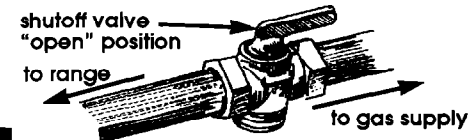
B. Input ratings shown on the serial/rating plate are for elevations up to 2,000 feet. For elevations above 2,000 feet, ratings are reduced at a rate of 4% for each 1,000 feet above sea level.

C. This range is design-certified by A.G.A. for NATURAL and L.P. gases with appropriate conversion. The serial/rating plate located under the cooktop has information the type of gas that can be used. If this information does not agree with the type of gas available, check with the local gas supplier. See Panel C and back cover for L.P. gas conversion instructions.

D. Provide a gas supply line of 3/4" rigid pipe to the range location. A smaller size pipe on long runs may result in insufficient gas supply. Pipe-joint compounds made for use with L.P. gas must be used. With L.P. gas, piping or tubing size can be 1/2" minimum. LP. gas suppliers usually determine the size and materials used on the system.



E. If local codes permit, a new A.G.A. design-certified, 4 - 5 foot long, 1/2" or 3/4" I.D., flexible metal appliance connector is recommended for connecting this range to the gas supply line. Do Not kink or damage the flexible tubing when moving the range. A 1/2" male pipe thread is needed for connection to pressure regulator female pipe threads.



F. The supply line shall be equipped with an approved shutoff valve. This valve should be located in the same room as the range and should be in a location that allows ease of opening and closing. Do Not block access to shutoff valve.



G. If rigid pipe is used as a gas supply line, a combination of pipe fittings must be used to obtain an in-line connection to the range. All strains must be removed from the supply and fuel lines so range will be level and in line.

H. The inlet pressure must be a minimum of 1 inch above the set pressure of the regulator, a maximum of 14 inches total inlet pressure.

Set Pressure:
Natural Gas 4 Inches
L.P. Gas 10 Inches

I. Line pressure Testing:
Testing above 1/2 psi (gauge)
The range and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures greater than 1/2 psig (3.5 kPa).

Testing at 1/2 psi (gauge)
The range must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5 kPa).

Electrical Requirements

WARNING

Electrical Shock Hazard

- **Electrical ground is required on this appliance.**
- **Do Not ground to a gas pipe.**
- **Do Not modify the power supply cord plug. If it does not fit the outlet, have a proper outlet installed by a qualified electrician.**
- **Do Not have a fuse in the neutral or grounding circuit. A fuse in the neutral or grounding circuit could result in an electrical shock.**
- **Do Not use an extension cord with this appliance.**
- **Check with a qualified electrician if you are in doubt as to whether the appliance is properly grounded.**

Failure to follow these instructions could result serious injury or death.

Panel B

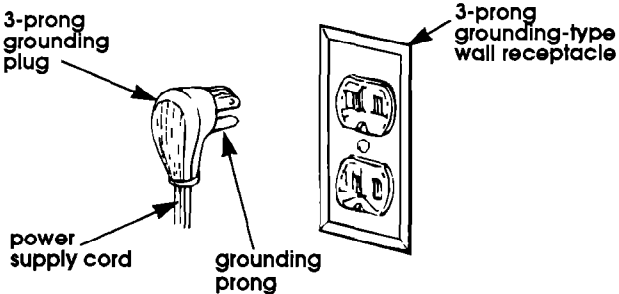
If codes permit and a separate grounding wire is used, it is recommended that a qualified electrician determine that the grounding path is adequate.

A 120-volt, 60-Hz, AC-only, 15-ampere, fused electrical supply is required. A time-delay fuse or circuit breaker is recommended. It is recommended that a separate circuit serving only this appliance be provided. Electronic ignition systems operate within wide voltage limits, but proper grounding and polarity are necessary. In addition to checking that the outlet provides 120-volt power and is correctly grounded, the outlet must be checked by a qualified electrician to see if it is wired with correct polarity.

The wiring diagram is found on a separate sheet in the literature package. The wiring diagram can also be found on the back of the range.

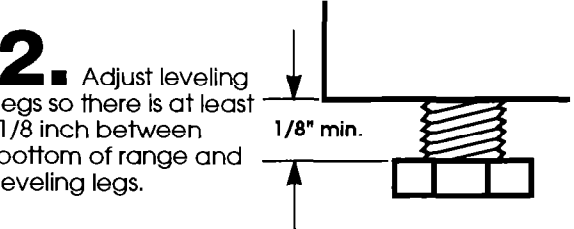
Recommended grounding method

For personal safety, this appliance is equipped with a power supply cord having a 3-prong grounding plug. To minimize possible shock hazard, the cord must be plugged into a mating 3-prong, grounding-type wall receptacle, grounded in accordance with the National Electrical Code, ANSI/NFPA 70 — latest edition* and all local codes and ordinances. (See Figure 1.) If a mating wall receptacle is not available, it is the personal responsibility and obligation of the customer to have a properly grounded, 3-prong wall receptacle installed by a qualified electrician.



Now start... With range in kitchen.

1. Remove shipping materials, tape and protective film from range. Keep cardboard shipping base under range. Remove oven racks and shipping materials from inside oven.



WARNING

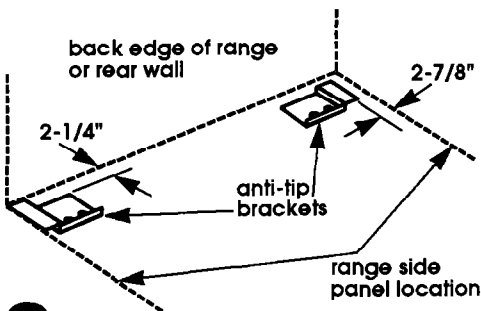
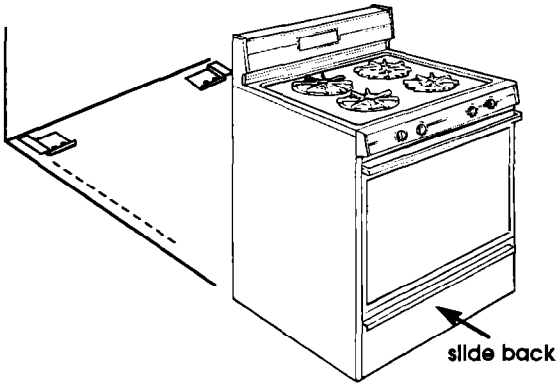
Personal Injury Hazard

- **To reduce the risk of tipping of the appliance, the appliance must be secured by properly installed floor-mounted anti-tip brackets supplied with the range.**
- **Save these Installation Instructions. If range is moved to a new location, the anti-tip brackets must be removed and reinstalled in the new location.**

Electrical Shock Hazard

- **Take special care when drilling holes into the floor. Electrical wires or plumbing may be located beneath floor.**
- **Locate the electrical circuits that could be affected by the installation of these brackets and turn off power to these circuits.**

Failure to follow these instructions may result in electrical shock or other personal injury.



3. Unfold paper template and place it flat on the floor with the back and side edges positioned exactly where the back and sides of range will be located when installed.

If installing range in a mobile home, you MUST secure range to floor. Any method of securing range is adequate as long as it conforms to the standards listed in the Mobile Home Installation instructions, Panel A.

4. Use a pencil to mark the mounting screw hole locations on the floor. Remove template.

CAUTION

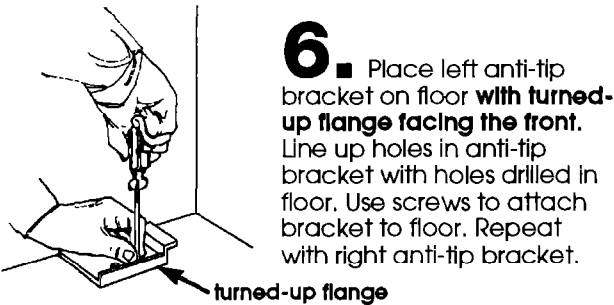
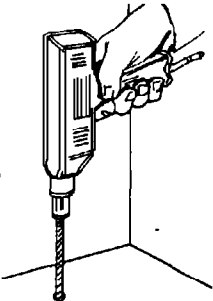
Property Damage

- **Contact a qualified installer for the best procedure to drill mounting holes through your type of floor covering.**
- **Before moving range across floor, check that range is on shipping base, or slide range onto cardboard or hardboard.**

Failure to follow these instructions may result in damage to floor covering.

5. To mount anti-tip brackets to wood floor, drill a 3/16" hole, 1/2" deep, at each mounting screw location.

To mount anti-tip brackets to concrete or ceramic floor, use a masonry drill bit to drill a 3/16" hole, 1/2" deep, at each mounting screw location.

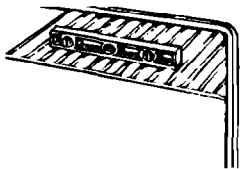


6. Place left anti-tip bracket on floor with turned-up flange facing the front. Line up holes in anti-tip bracket with holes drilled in floor. Use screws to attach bracket to floor. Repeat with right anti-tip bracket.

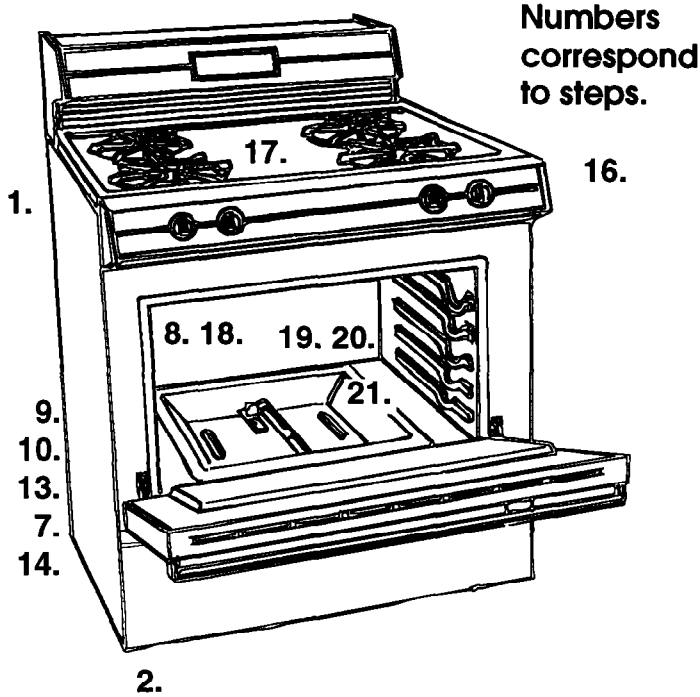
7. Remove shipping base, cardboard or hardboard from under range. Remove broiler drawer. Carefully move range into position.

Grasp rear of range and carefully try to tip range forward. If range tips forward, leveling legs are NOT properly engaged in anti-tip brackets. Remove and reposition brackets so leveling legs will fit properly under end flanges of brackets.

8. Place rack in oven. Place level on rack, first side to side; then front to back to check that range is level. If range is not level, adjust legs up or down. If needed, pull range forward until rear leveling legs can be adjusted. Push range back into position and check that range is level.



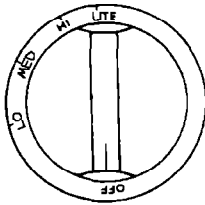
Note: Oven must be level for satisfactory baking conditions.



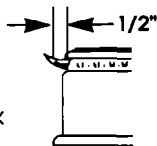
Numbers correspond to steps.

Electronic Ignition System — initial lighting and gas flame adjustments.

Cooktop and oven burners use electronic ignitors in place of standing pilots. When the cooktop control knob is turned to "LITE" position, the system creates a spark to light the burner. This sparking continues until the control knob is turned to the desired setting. When the oven control is turned to the desired setting, a glow bar heats up bright orange and ignites the gas. No sparking occurs and the glow bar remains on while the burners operate.



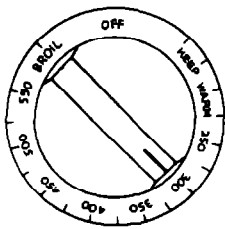
16. Check the operation of the cooktop burners. Push in and turn each control knob to "LITE" position. The flame should light within 4 seconds. **Do Not leave the knob in the "LITE" position after burner lights.**



17. After burner lights, turn control knob to "HI" position. Check each cooktop burner for proper flame. The small inner cone should have a very distinct blue flame 1/2" long. The outer cone is not as distinct as the inner cone. If there is a problem with the flame, contact your dealer.

18. Remove oven racks. Remove oven screws at rear of oven bottom. Pull oven bottom rear up and remove front of oven bottom from oven front. Remove oven bottom. Remove baffle.

Check the operation of the oven burner.



Turn the oven selector knob to "Bake." Push in and turn temperature control knob to 300°F. **The oven burner should light in 50 -60 seconds. This delay is normal.** The oven safety valve requires a certain time before it will open and allow gas to flow.

CAUTION

Product Damage

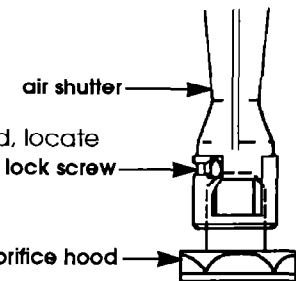
- Do Not insert any object into the openings of the protective shield that surrounds the ignitor.
- Do Not clean the area.

Failure to follow these instructions could result in product damage.

19. Check the oven burner for proper flame. This flame should have a 1" long inner cone of bluish-green, with an outer mantle of dark blue, and should be clean and soft in character. No yellow tips, blowing or lifting of flame should occur.



20. If oven flame needs to be adjusted, locate the air shutter near the center rear of the oven burner. Loosen screw and adjust the air shutter until the proper flame appears. Tighten screw.



21. Replace the burner baffle, oven bottom, oven racks and broiler drawer.

You have just finished installing your new range. To get the most efficient use from your new range, read you Use and Care Guide.

Congratulations!

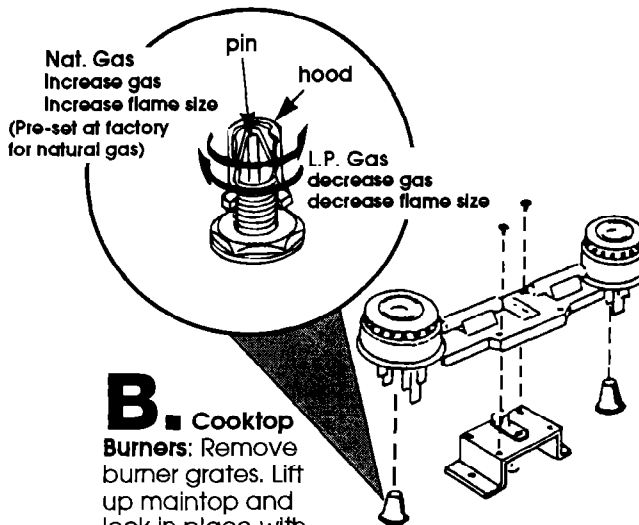
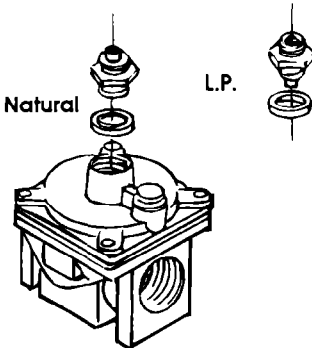
Keep Installation Instructions and Guide close to range for easy reference. The instructions will make reinstalling your range in another home as easy as the first installation.

L.P. gas conversion

Converting to L.P. gas should be done by a qualified installer.

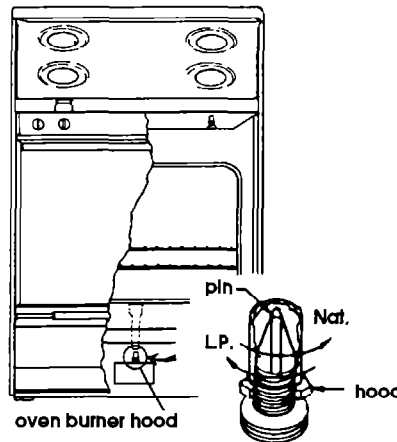
A. Pressure regulator:

Remove oven racks, oven bottom and baffle. See Step 19. Regulator is located in lower right-hand rear corner of range. Use a wrench to unscrew the cap from the top by turning counterclockwise. Turn the cap over so the hole end is up. Replace the cap and gasket on the regulator. **DO NOT REMOVE THE PRESSURE REGULATOR.**



B. Cooktop Burners:

Remove burner grates. Lift up maintop and lock in place with support rod(s). Turn the orifice hoods down snug onto pins (approximately 2 to 2-1/2 turns). **DO NOT OVERTIGHTEN.** The burner flames cannot be properly adjusted if this conversion is not made.



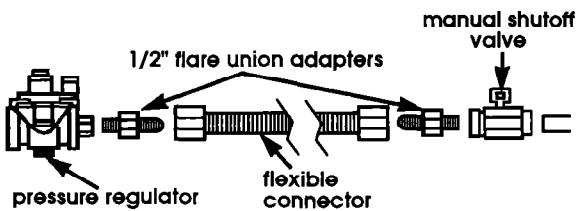
C. Oven Burner: Turn the orifice hood down until snug against pin. **DO NOT OVERTIGHTEN.**

WARNING

Fire Hazard

Do Not make connection too tight. The regulator is die cast. Overtightening may crack the regulator, resulting in a gas leak and possible fire or explosion.

All connections must be wrench-tightened.



9. Pull range forward to make gas connection. Assemble the flexible connector from the gas supply pipe to the pressure regulator, located on the lower right hand side on the back of the range, in this order: shutoff valve, 1/2" flare union adapter, flexible connector, 1/2" flare union adapter. Seal all openings in floor or wall wherever range is installed.

10. Use pipe-joint compound made for use with Natural and L.P. gas to seal all gas connections. If flexible connectors are used, be certain connector is not kinked.

11. Open the shutoff valve in the gas supply line. Wait a few minutes for gas to move through the gas line.

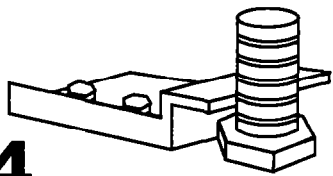
WARNING

Fire Hazard

Do Not use an open flame to test for leaks from gas connections. Checking for leaks with a flame may result in a fire or explosion.

12. Use a brush and liquid detergent to test all gas connections for leaks. Bubbles around connections will indicate a leak. If a leak appears, shut off gas valve controls and adjust connections. Then check connections again. **NEVER TEST FOR GAS LEAKS WITH A MATCH OR OTHER FLAME.** Clean all detergent solution from range.

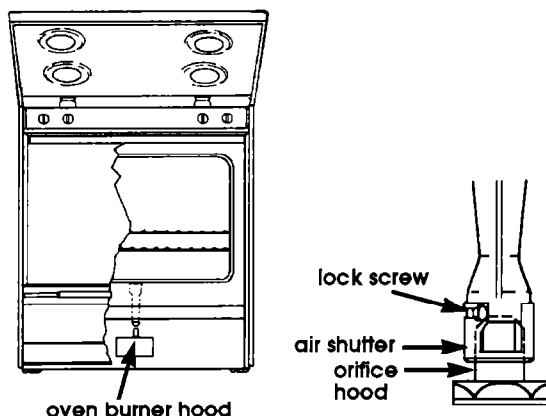
13. Plug power supply cord into grounded outlet.



14. Move range into final position. Grasp rear of range and carefully try to tip range forward to check that both rear leveling legs are engaged in anti-tip brackets.

15. Turn power supply on to range.

Adjusting for proper flame:



CAUTION

Product Damage

Electric ignitors are used to light the oven burner. Do Not insert any object into the openings of the shield surrounding the ignitor coil.

Do Not clean this area.

Failure to follow these instructions could result in product damage.

A. After all burners have been converted, turn the gas supply valve back on.

B. **Cooktop burners:** No burner air adjustment can be made.

C. **Oven burner:** Locate the air shutter near the center rear of the oven burner. Loosen screw and adjust the air shutter as needed. The flame should have a 1" long, inner cone of bluish-green, with an outer mantle of dark blue. Little or no yellow should be visible at flame tips. The flame also should be clean and soft in character with no blowing or lifting of flame. Tighten the lock screw.

D. Replace the baffle, oven bottom and oven racks. Reinstall maintop and burner grates.

After installation is complete, make sure all controls are left in the "OFF" position.

Reset all controls to the "OFF" position after using a programmable timing operation.

Make sure the air flow from the oven vent and the air flow to the bottom front of range are unobstructed.

If range does not operate...

- Check that the circuit breaker is not tripped or the house fuse blown.
- Check that the power supply cord is plugged into wall receptacle.
- Check that the gas supply is turned on.

NOTE: Refer to Use and Care Guide for operating instructions and cleaning instructions.

For cleaning and maintenance...

If removing the range is necessary for cleaning or maintenance, shut off gas supply to the range. Disconnect the gas and electric supply.

If the gas or electrical supply is inaccessible, lift the range slightly at the front and pull the range out away from the wall. Pull the range out only as far as necessary to disconnect the gas and electric supply lines.

Remove the range to complete cleaning or maintenance.

Move range back into operating position. Level the range. Connect gas line to range and check for leaks. Plug electric power supply cord into outlet. Make sure that rear legs are engaged in anti-tip bracket.

WARNING

Personal Injury Hazard/ Product Damage

Do Not step, lean or sit on the range or the door or drawer of range.

Failure to follow this instruction could result in personal injury and/or product damage.

If you need assistance...

Check your Use and Care Guide for a toll-free number to call or call the dealer from whom you purchased this appliance. The dealer is listed in the Yellow Pages of your phone directory under "Appliances — Household — Major — Service & Repair."

When you call, you will need the range model number and serial number. Both numbers can be found on the serial/rating plate located under the cooktop.