

PROPANE CONVERSION INSTRUCTIONS

⚠ WARNING

Explosion Hazard

Death or serious injury can result from failure to follow these instructions.

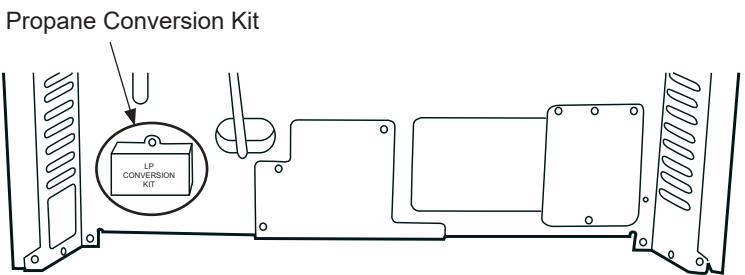
- Service by a qualified service technician only.
- Shut off gas supply and disconnect power before servicing.
- Reconnect all grounding devices after service.
- Replace all parts and panels before operating.

The pressure regulator and the burner orifices are set for natural gas. To use propane gas, the regulator and burner orifices must be converted.

⚠ WARNING

Do not operate the cooktop or oven burners of this range when using propane (bottled) gas before converting the pressure regulator and burner orifices forpropane gas use. Failure to do so could cause high flames and toxic fumes which can result in serious injury.

The propane orifices for the cooktop burners are shipped on the back of the range in a small box.



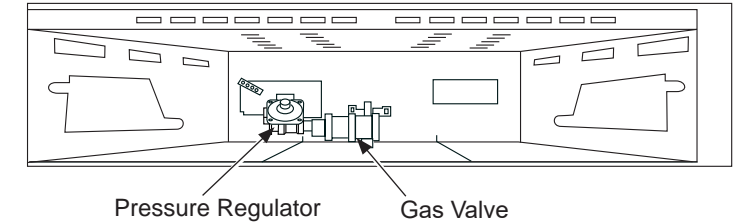
- TOOLS REQUIRED:
- Adjustable wrench
 - 1/2" Open-end wrench
 - Phillips head screwdriver

- Flat bladed screwdriver (blade approximately 3/32" across)
 - Nut drivers: 1/4", 9/32" or 7mm

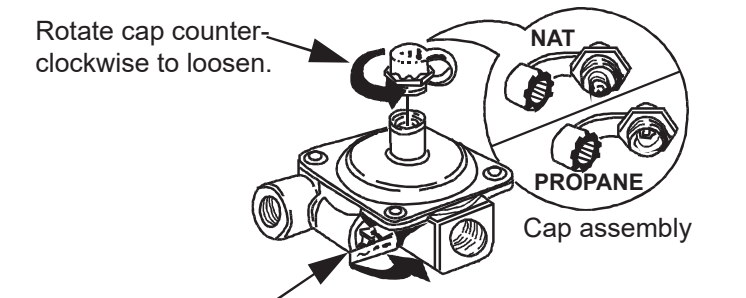
- To adjust your range for use with propane gas, follow these instructions:
1. Disconnect all electrical power, at the main circuit breaker or fuse box.
 2. Shut off the gas supply to the range by closing the manual shut-off valve.

CONVERTING THE PRESSURE REGULATOR

Remove the storage drawer. The pressure regulator is located in the lower, left hand rear corner of the range as viewed from the front.

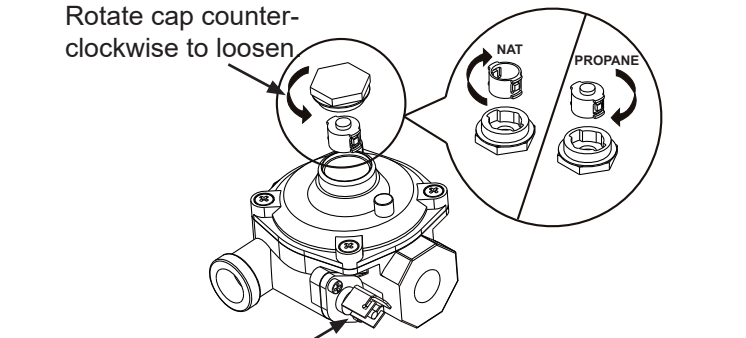


- A. If this is your regulator:
1. Use an adjustable wrench to unscrew the hex-nut cap from the pressure regulator.
 2. Completely remove the protective plastic cap off the threaded metal cap.



- Lever shown closed (Oven Shut Off only)
FLIP LEVER UP TO OPEN
3. Turn the metal cap so the type of gas being converted to is displayed and replace the protective plastic cover.
 4. Screw the hex-nut cap back into the regulator.
(Do not over tighten)

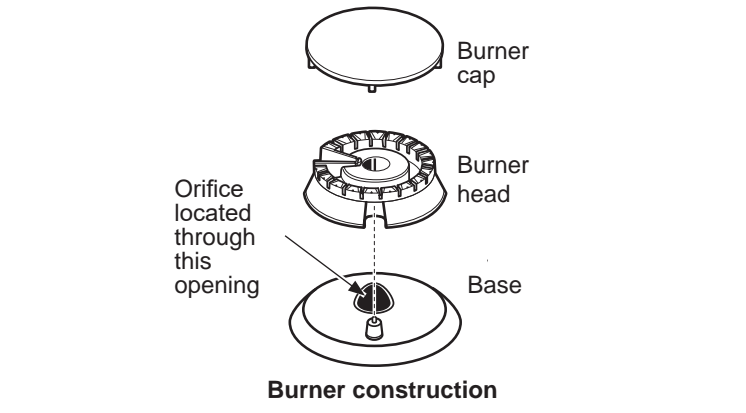
- B. If this is your regulator:
1. Use an adjustable wrench to unscrew the hex-nut cap from the pressure regulator.
 2. Turn the plastic cap 1/4 turn to disassemble.



- Lever shown open (Oven Shut Off only)
PUSH LEVER DOWN TO CLOSE
3. Turn the plastic cap over and hook it into the slots. Rotate cap 1/4 turn to reassemble. The type of gas to be used should now be visible on the top of the cap..
 4. Screw the hex-nut cap back onto the pressure regulator.

CONVERTING THE COOKTOP BURNERS

- A. Remove the top grates, burner caps and burner heads.

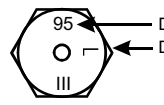


- B. Using a 7 mm or 9/32" nut driver, remove the top burner orifices. These may be accessed through the burner opening in the base.

NOTICE:

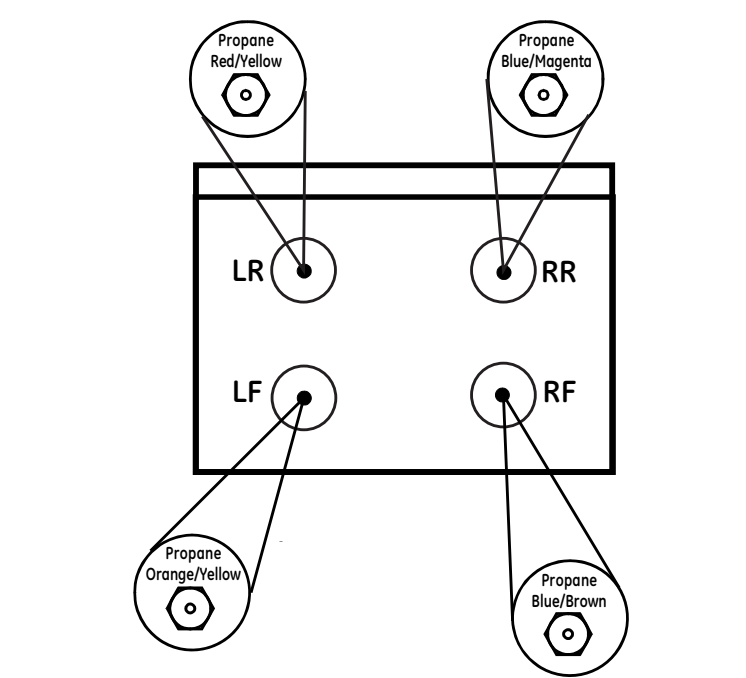
Save these orifices for future conversion back to natural gas.

- C. Remove the propane orifices from the box provided. The propane orifices have the letter "L" on the top. To aid in identifying the proper location for the propane orifices during conversion from Natural Gas to Propane Gas, color codes have been added to the side or top of the orifice. See the chart below. Each orifice may also show a series of engraved marks (I, II, III . . .) located on the top.



| BURNER OUTPUT RATINGS: BTU/HR | | | | |
|-------------------------------|----------|-------------------|---------------|---------|
| Propane Gas 10" W.C.P. | | | | |
| BURNER | BTU RATE | ORIFICE SIZE (mm) | COLOR | MARKING |
| RF | 9,500 | 0.035" (0.89) | Blue/Brown | 89L |
| LF | 15,000 | 0.045" (1.14) | Orange/Yellow | 114L |
| RR | 12,000 | 0.039" (0.99) | Blue/Magenta | 99L |
| LR | 5,000 | 0.026" (0.66) | Red/Yellow | 66L |
| BAKE | 16,000 | 0.047" (1.19) | Orange | .047 |
| BROIL | 12,000 | 0.041" (1.04) | Red | .041L |

- D. Install the propane orifices in their precise locations.



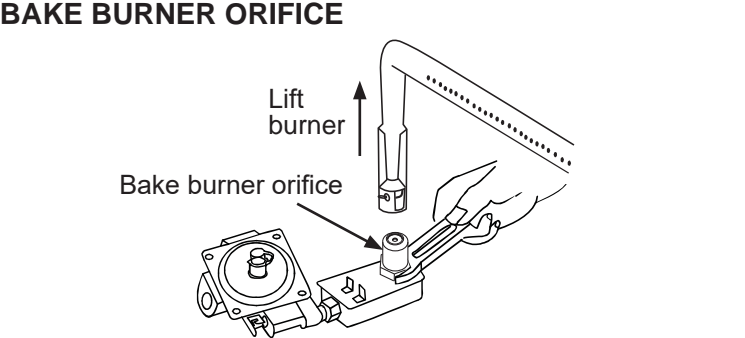
To prevent leakage, make sure the orifices are securely screwed into the gas supply tubes.

- E. Place the old orifices into the metal box along with these instructions, and replace onto the back of the range for possible future conversion back to natural gas

CONVERTING THE OVEN BURNERS

NOTICE:

This product cannot be converted to propane by adjusting the oven orifices. The orifices must be replaced for propane.

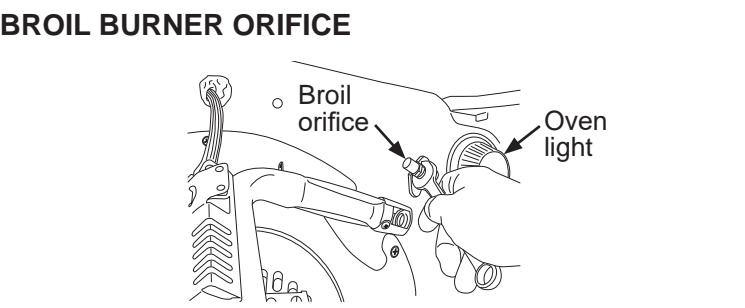


- 1.Remove oven racks, door, storage drawer and oven bottom. Remove the 1/4" hex screws securing the bake burner but don't remove burner from its location.
- 2.The bake burner orifice is on the gas valve located behind the storage drawer. Lift the burner off the orifice and apply a 1/2" wrench to the hex base of the orifice on the gas valve. Loosen the orifice by turning counter-clockwise and remove.

NOTICE:

Save these orifices for future conversion back to natural gas.

- 3.Select the propane bake orifice from the kit and install it on the gas valve. Tighten until snug.
- 4.Replace the bake burner over the orifice and replace all screws securing the burner.



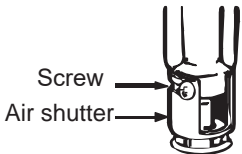
- 1.Remove the 1/4" hex screw securing the broil burner and allow it to hang down free of the broil orifice.
- 2.Apply a 1/2" wrench to the hex base of the orifice. Loosen the orifice by turning counter-clockwise and remove.
- 3.Select the propane broil orifice from the kit and install it on the broil elbow. Tighten until snug.
- 4.Replace the broil burner over the orifice and replace the screw securing the burner.

ADJUSTING AIR SHUTTER SETTINGS FOR BAKE AND BROIL BURNERS

The air shutters should be turned to the marked settings NG or propane or set according to the following table.

| BURNER | AIR SHUTTER SETTING FOR PROPANE | AIR SHUTTER SETTING FOR NG |
|--------|---------------------------------|----------------------------|
| Bake | Full open | 0.45" |
| Broil | Full open | Full open |

- Turn on the gas.
- Turn on the electricity.
- Replace the oven bottom and reinstall the oven door.
- Turn on the bake burner.
- As you watch the flame with the oven door closed, check the following through the oven door window.
 - If the flames are yellow, open the air shutter more. Use a screwdriver to loosen the air shutter screw.
 - If the flames blow away or flutter from the burner, close the air shutter slightly.
- Retighten the air shutter screw.



⚠ WARNING

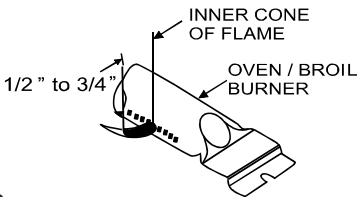
If you attempt to measure the inner cone of the flame, please use caution: burns could result.

- Repeat steps 4 through 6 for the broil burner.

Oven burner flame must be observed with the door closed to properly check flame characteristics.

- Checking the flame size:

It should be approximately 1/2" to 3/4" long for the bake and broil burners.



The combustion quality of the burner flames needs to be determined visually.

NOTE: If burner flames look like (A), further air shutter adjustment is required. Normal burner flames should look like (B) or (C), depending on the type of gas you use. With propane gas, some yellow tipping on the outer cones is normal.



(A) Yellow flames:
Further Adjustment
Required



(B) Yellow tips on
outer cones:
Normal for Propane Gas



(C) Soft blue flames:
Normal for Natural Gas

Foreign particles in the gas line may cause an orange flame at first, but this will soon disappear.

- When all adjustments are made and the results are satisfactory:

- Replace the oven bottom.
- Replace the storage drawer.

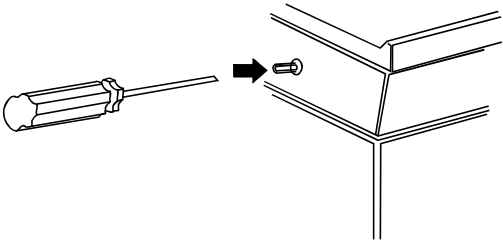
SPECIAL NOTE:

To convert the oven back to natural gas, reverse the instructions given in making propane adjustments.

ADJUSTING LOW FLAME SETTING ON COOKTOP BURNERS

Low setting adjustments must be made with other burners in operation on a medium setting. This procedure prevents the low flame from being set too low, resulting in the flame being extinguished when other burners are turned on.

- Turn on all surface burners.
- Turn the knob on the burner being adjusted to "LO".
- Remove the knob and insert a small, flat blade screwdriver into the valve shaft as shown and turn clockwise to fully tighten down the bypass screw. Repeat for all valves.
- If flame appears too low or unstable, slowly turn bypass screw counterclockwise until a stable flame exists for each burner. Remember, other burners must be turned on to medium.
- Additionally, for each burner being adjusted, quickly open and close the oven door while observing flame. If flame is extinguished, continue adjusting bypass screw for a larger flame. Repeat door openings until flame is stable.
- Replace the knob.



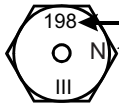
Center adjustment screw for all burners.

NOTICE:

Once the conversion is complete and confirmed, fill out the propane sticker and include your name, organization and date conversion was made. Apply the sticker to the range near the regulator to alert others in the future that this appliance has been converted to propane. If converting back to natural gas from propane, please remove the sticker so others know the appliance is set to use natural gas.

ADDITIONAL INFORMATION

| BURNER OUTPUT RATINGS: BTU/HR | | | | |
|-------------------------------|----------|-------------------|--------------|-----------|
| NG (Natural) Gas 5" W.C.P. | | | | |
| BURN-ER | BTU RATE | ORIFICE SIZE (mm) | COLOR | MARK-INGS |
| RF | 9,500 | 0.053" (1.36) | Green | 136N |
| LF | 15,000 | 0.070" (1.78) | Brown | 178N |
| RR | 12,000 | 0.061" (1.55) | Red | 155N |
| LR | 5,000 | 0.040" (1.01) | White/Purple | 101N |
| BAKE | 16,000 | 0.070" (1.78) | None | 50 |
| BROIL | 13,500 | 0.066" (1.67) | Red | 066N |



Denotes 1.98mm Orifice size opening
Denotes Natural Gas