

Converting from LP to NG



WARNING! You must have an authorized service technician perform this procedure. If these instructions are not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life. Lloyd's Material Supply (LMS) will not be held responsible for an improperly converted gas grill.

All Cal Flame grills are manufactured as standard liquid propane (LP) grills and can be converted to burn natural gas (NG). However, Cal Flame G Series grills do not include a conversion kit and it must be ordered separately. You can find ordering information on page 31.

There are two steps required to convert a grill from LP to NG.

You must perform both steps.

Step 1: Switching the regulator behind the grill

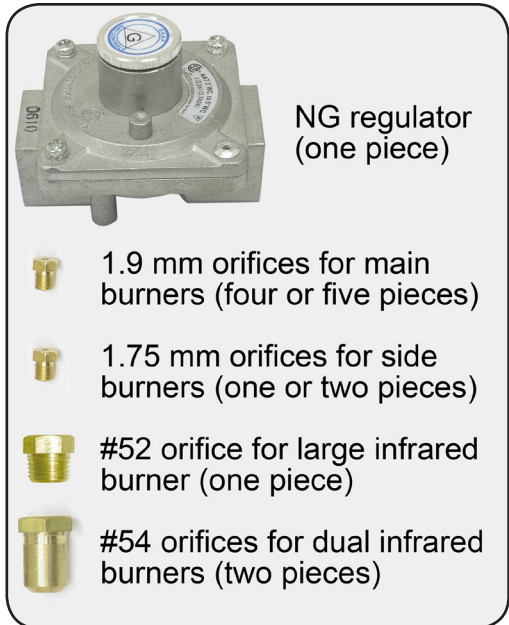
Step 2: Changing the burner orifices

The conversion kit may include **some or all** of the parts shown at right, depending on the size and model of your grill.

The kit contains orifices to convert main burners, rear infrared burners, and the large infrared burner. Your kit will have only the parts you need to convert your grill.

Before you begin, make certain the LP gas source has been disconnected from the grill.

To gain access to the NG regulator, tilt the grill forward.

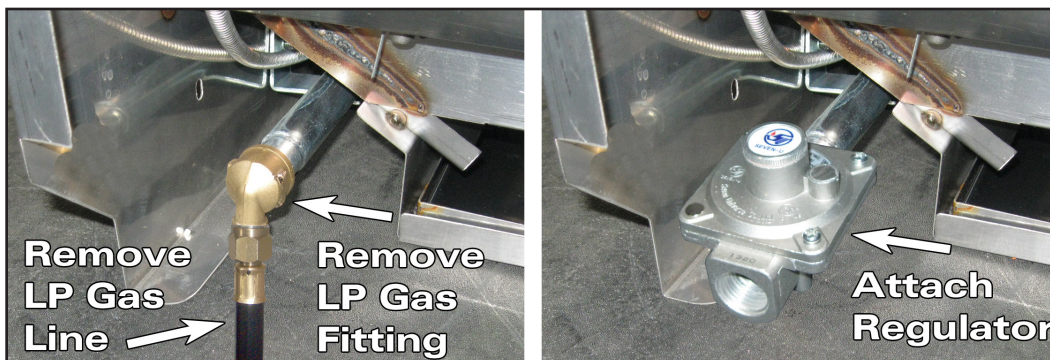


Step 1: Attaching the regulator behind the grill

1. Remove the LP gas line and LP gas fitting from end of manifold.
2. Attach NG regulator to end of manifold.

You will need:

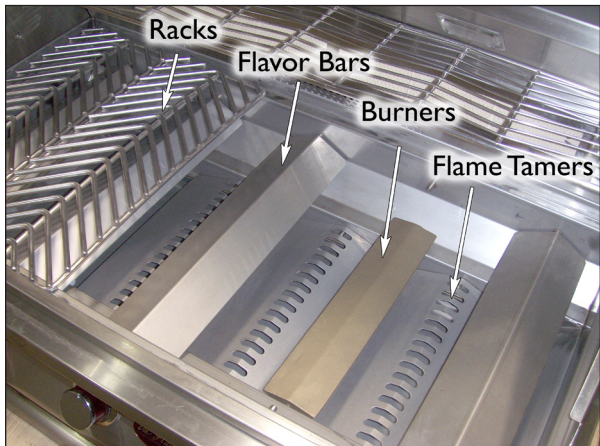
- Pipe wrench
- Regulator
- Pipe compound suitable for natural gas



Step 2: Changing the burner orifices

1. Replace the main burner orifices

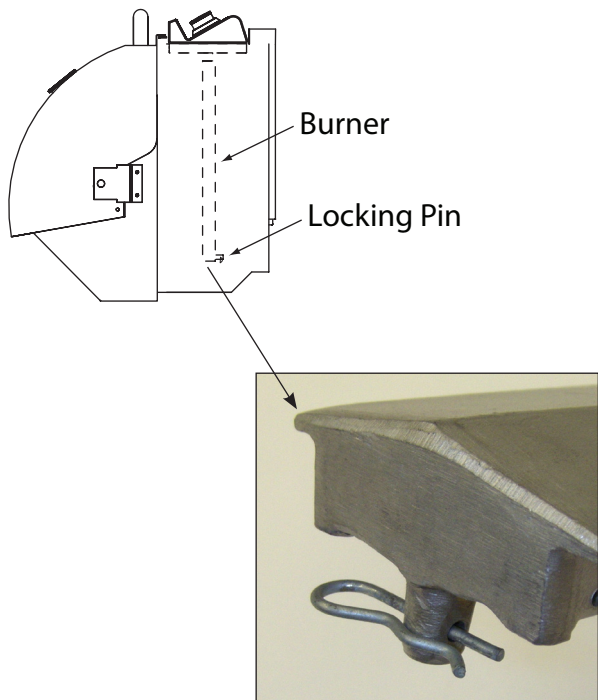
- a. Remove the grates, flame tamers, and drip tray from the grill. See figure below.



- b. Remove the locking pins from the end of the burners.

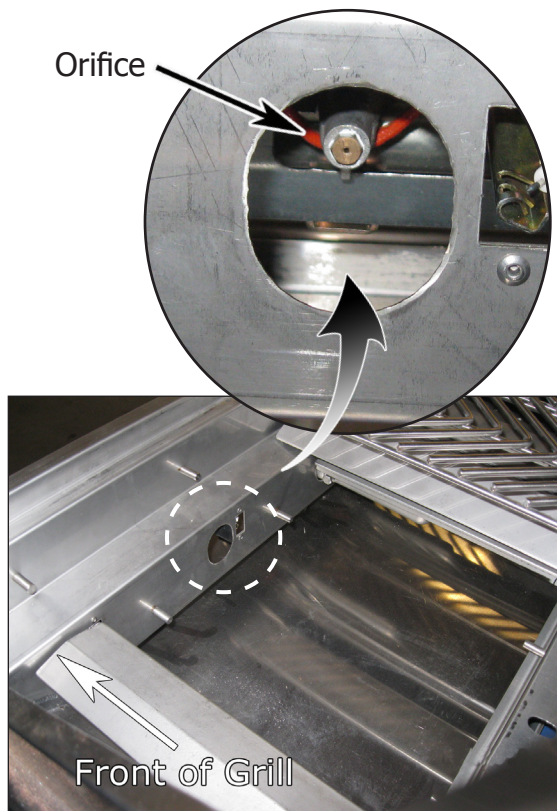
The locking pins are accessible by removing the drip tray and tilting the grill back. They can be seen underneath the grill in the back. See figures below.

- c. Remove all burners by carefully lifting them up and away from the valve orifice.



You will need:

- 6mm socket or nut driver
- Two to five 1.9mm orifices (depending on your grill)
- Pipe compound suitable for natural gas



- d. Using a 6mm socket or nut driver, remove the orifice for the burner.
- e. Apply a small amount of pipe compound to the orifice threads.
- f. Screw in the orifice until it is finger tight.
- g. Tighten the orifice with the 6mm wrench.
- h. Repeat the above steps for the remaining burners.
- i. Replace the burners, flame tamers, drip tray, and grates.

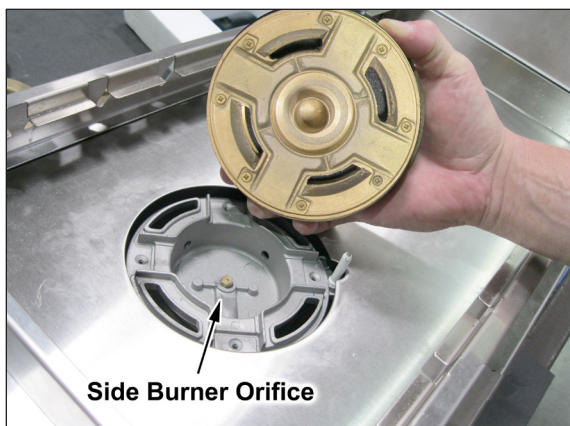
You do not need to replace the locking pins. They are used to keep the burners in place during shipping and are not necessary to operate your grill.

2. Replace the side burner orifices

- Remove the grate, burner cap and burner diffuser from the side burner.
- Using a 7mm wrench, remove the orifice for the burner.
- Apply a small amount of pipe compound to the orifice threads.
- Screw in the orifice until it is finger tight.
- Tighten the orifice with the 7mm wrench.
- If you have dual side burners, repeat the previous steps for the second burner.

You will need:

- 7mm wrench, socket, or nut driver
- One or two 1.75mm orifices (depending on your side burner)
- Pipe compound suitable for natural gas



3. Mark the rating plate

After conversion has been completed, mark the rating plate as NG with an indelible marker.