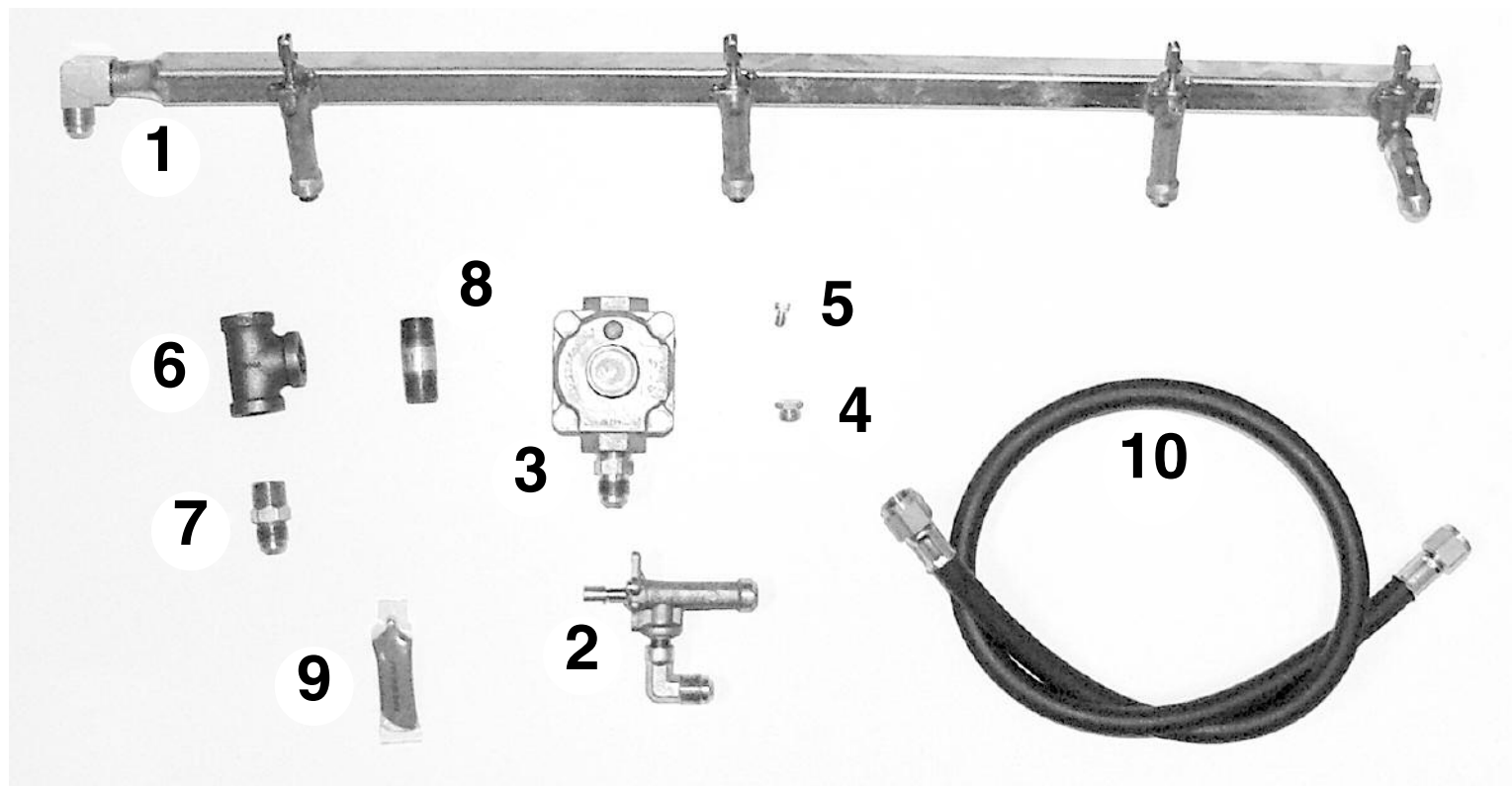


# Sonoma CGR30 Natural Gas Conversion Instructions



## PARTS NEEDED FOR CONVERTING FROM LP TO NG

Number	Description
1	30" NG Manifold
2	NG side burner valve
3	NG Regulator
4	Rear I/R NG orifice
4	Rear I/R NG orifice
5	Side burner NG orifice 12000 BTU
5	Side burner NG orifice 17000 BTU
6	3/8 x 3/8 x 3/8 T fitting
7	Flared to 3/8 male pipe thread
8	3/8 Nipple x 1 1/2
9	Pipe Joint Compound
10	Hose Assembly

# Sonoma CGR30 Natural Gas Conversion Instructions

## **Tools Needed:**

Phillips head screwdriver  
1/4" nut driver \*  
9/32" or 7mm nut driver \*  
Adjustable wrench

Be sure gas supply is off, the knobs are in the off position and the grill is cool.

1. Remove cooking grates and top flavor grids (See Fig. 1)
2. Remove bottom flavor grids (See Fig. 2)
3. Remove the screws holding the rear heat shield in place. Lift out rear heat shield and set aside. (See Fig. 3)
4. Remove the two screws holding each ignitor in place. (See Fig. 4)
5. Lay ignitors on floor of grill. (See Fig. 5)

\* 1/4" socket set with extension can also be used.

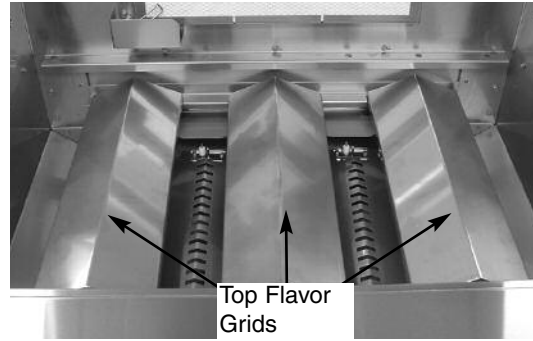


Fig 1

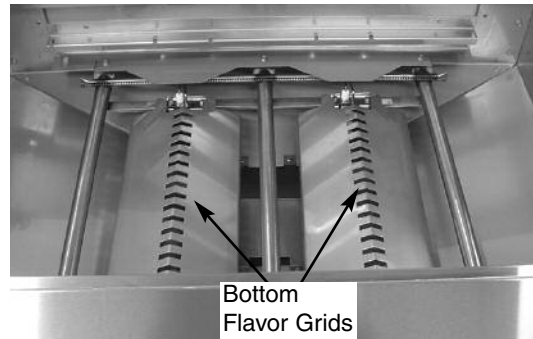


Fig 2

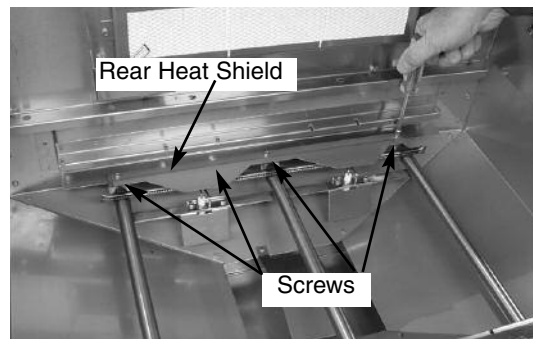


Fig 3

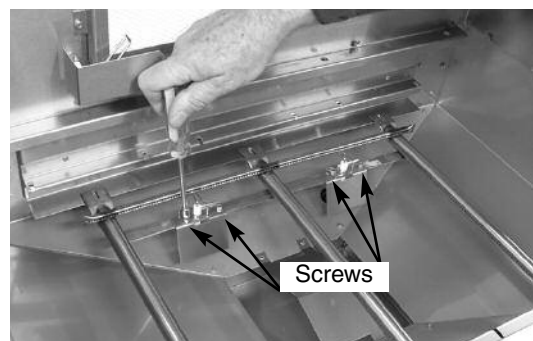


Fig 4



Fig 5

# Sonoma CGR30

## Natural Gas Conversion Instructions

6. Loosen the six (6) screws at the top of the heat shield, holding the front heat shield in place. (See Fig. 6)

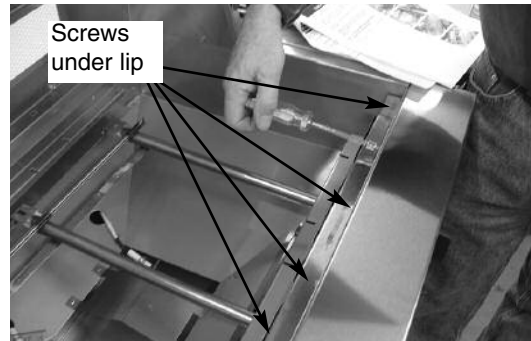


Fig 6

7. Loosen the bottom heat shield screws located under the bottom lip of the heat shield. (there is one screw on each side) (See Fig. 7)

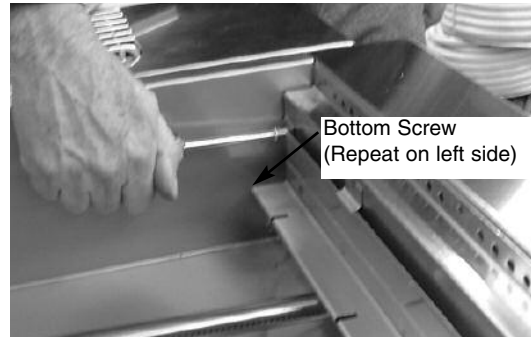


Fig 7

8. Push the front heat shield towards the rear of the grill. (See Fig. 8)

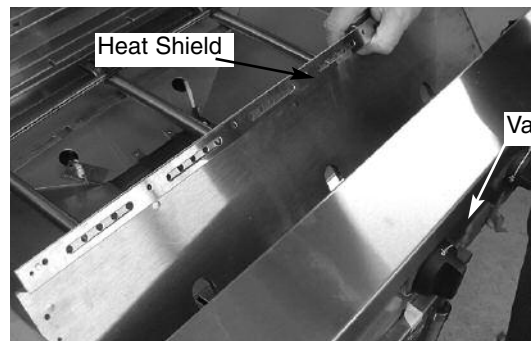


Fig 8

9. Grasp and push the burner(s) towards the rear of the grill to detach the burner from the valves. (See Fig. 9)

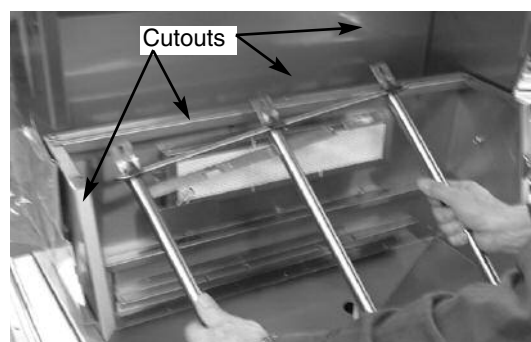


Fig 9

**Note: You may have one or two burner assemblies, depending on your grill size.**

10. Angle the burners up and pull out making sure the tabs slide up through the cutout on the support channel at the rear of the grill. (See Fig. 10)

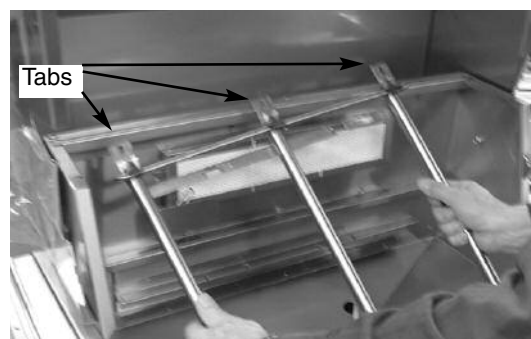


Fig 10

# Sonoma CGR30 Natural Gas Conversion Instructions

11. Fully remove the burners and front heat shield from the grill body. (See Fig. 11)

**Note: Be sure to hold onto the burners and heat shield at the same time while removing.**

---

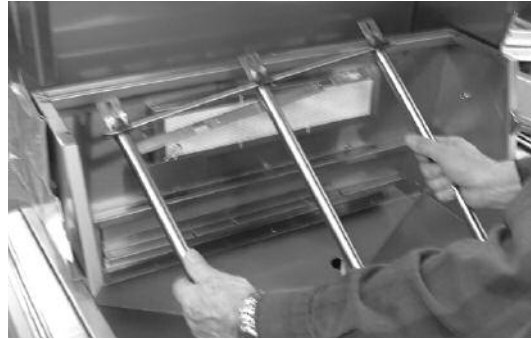


Fig 11

12. Remove the control knobs from the front of the grill. (Use a pair of pliers with a cloth to avoid any scratches or dents on the knobs) (See Fig. 12)

**Note: Metal knobs on the 44" grill can be removed by hand.**



Fig 12

13. Remove both screws holding each bezel in place on the control panel. (See Fig. 13)

14. Remove the bezels from the front control panel.

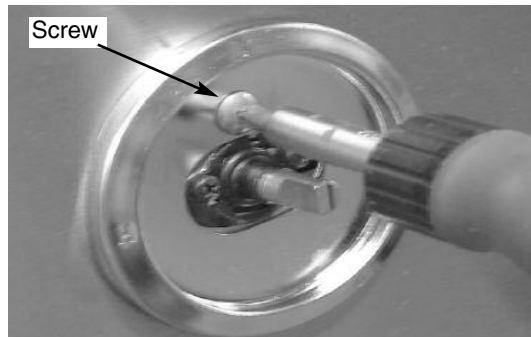


Fig 13

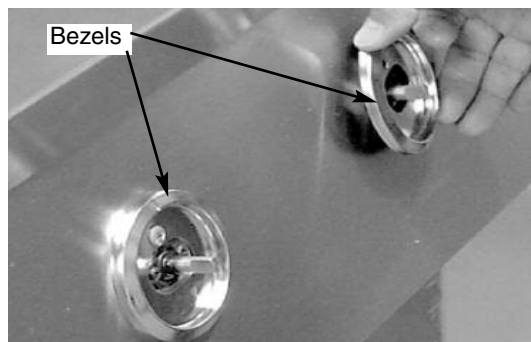


Fig 14

# Sonoma CGR30 Natural Gas Conversion Instructions

(See Fig. 14)

15. Disconnect the left flex line from the manifold using the adjustable wrench. This will free up the left side of the manifold. (See Fig. 15 & 16)
16. Disconnect the right side flex line from the manifold using the adjustable wrench. This will free up the right side of the manifold. (See Fig. 17)
17. Remove manifold from grill body (See Fig. 18)

**You are now ready to install the new**

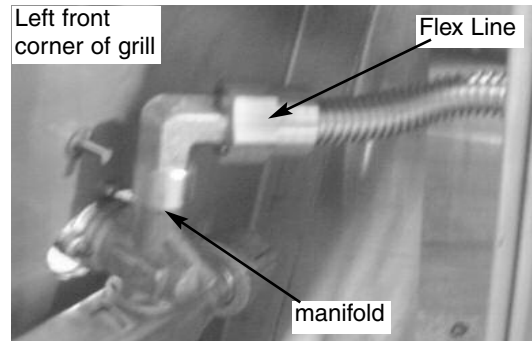


Fig 15

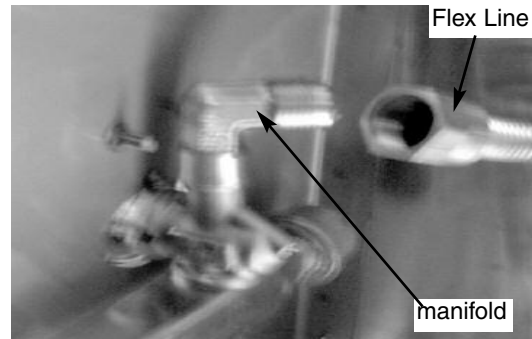


Fig 16

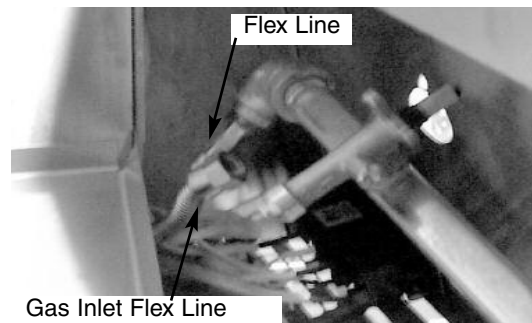


Fig 17

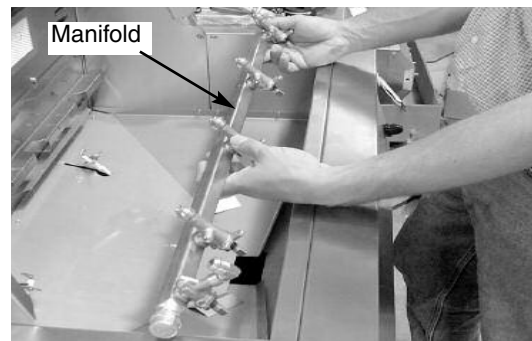


Fig 18

# Sonoma CGR30 Natural Gas Conversion Instructions

## NG manifold.

18. Start by placing the new manifold into the grill body with the control knob stems going outward through control panel front. (See Fig. 19)
19. Reattach the flex lines on the right and left sides of the grill to the new manifold using the adjustable wrench. (See Fig 17 & 15, on previous page)
20. Reattach the bezels to the manifold with the single screw on each one. (See Fig. 14 & 13)
21. Reattach the control knobs onto the manifold stems, making sure "OFF" is facing upwards. (See Fig. 12)
22. Place burners and front heat shield back into the grill body, making sure the burner tabs fall downward through cutouts. (See Fig. 11 & 10)
23. Line up the burners with the valves on the manifold, making sure they are level. (See Fig. 20 & 21)
24. Reattach the ignitors and their heat shields, removed in step four (4), to the burners. (See Fig. 4, on page 1)
25. Reattach the rear heat shield before attaching the front heat shield to be sure the burners remain over the valves. (See Fig. 22)
26. At the completion of the conversion, a leak test should be performed on all fittings. See Use and Care manual for leak testing procedure.
27. Proceed with reattaching the front heat shield (See Fig. 6, 7 & 8 on page 2)
28. Reinstall the bottom and top flavor grids. (See Fig. 1 & 2, on page 1)
29. Reinstall the cooking grates

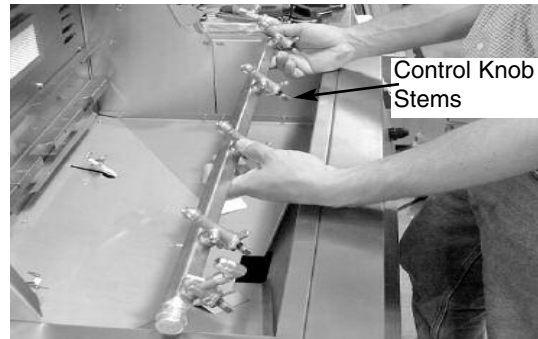


Fig 19

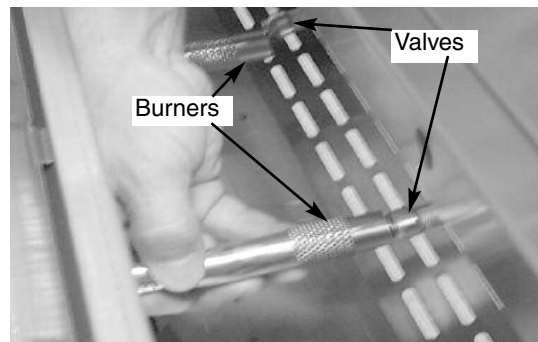


Fig 20

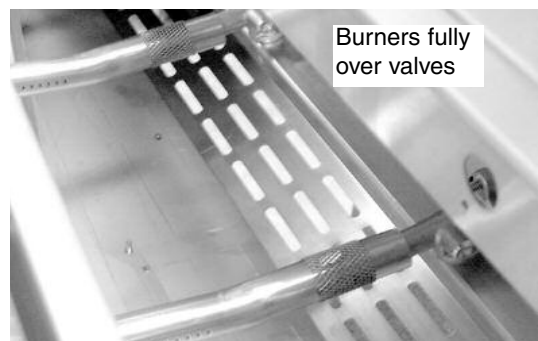


Fig 21

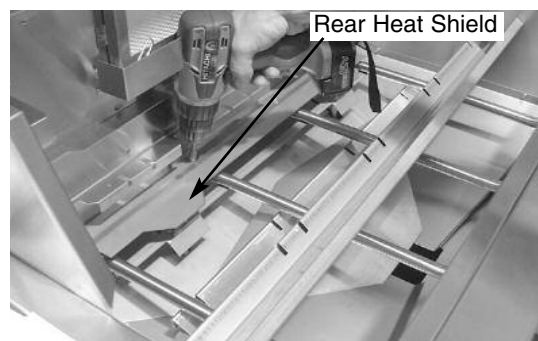


Fig 22

# Sonoma CGR30 Natural Gas Conversion Instructions

## Installing the NG regulator

1. Remove the LP regulator from the main gas pipe using an adjustable wrench. Located inside the cart on bottom of grill head. (See Fig. 23)

Remaining end still connected will be removed later.

2. Remove the brass fitting from main gas line. (See Fig. 24)

**\*\* Note – for the following steps, the supplied pipe dope needs to be applied to all indicated fittings before the fittings are screwed in.**

### Pipe dope should not be used on any flared fittings!

3. Attach the “T” fitting to the main gas line as shown. Tighten with wrench. (See Fig. 25)
4. Attach one of 3/8” to flared fitting to the “T” fitting as shown. Remember to apply pipe dope to the non-flared end. Tighten with wrench. (See Fig. 26)
5. Attach one end of the supplied hose to the flared fitting on the side of the “T” connector. (See Fig. 27) The other end of the hose will be attached to the side burner later.
6. Attach the 3/8” nipple to the bottom of the “T” connector (See Fig. 27)
7. (\*\* Note – pay attention to arrow on the NG regulator indicating direction of gas flow. The arrow should point up.) Attach the NG regulator to the nipple (See Fig. 28). **Remember to apply pipe dope!**
8. If not already attached, attach a 3/8” to flared fittings to the input side of the regulator as shown. Tighten with wrench. (See Fig. 27)
9. At the completion of the conversion, a leak test should be performed on all fittings. See Use and Care manual for leak testing procedures.
10. This completes the NG regulator installation.

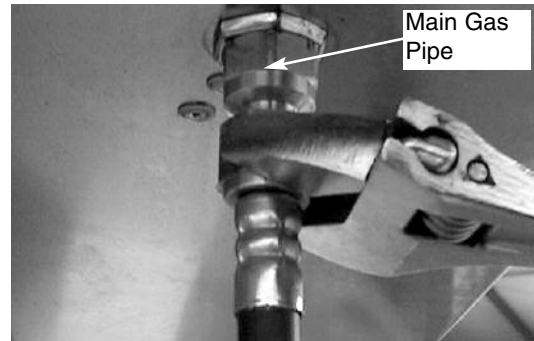


Fig 23

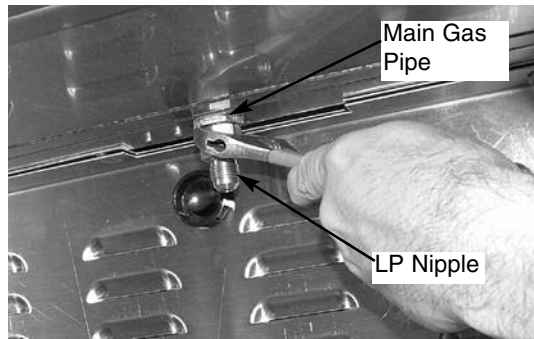


Fig 24

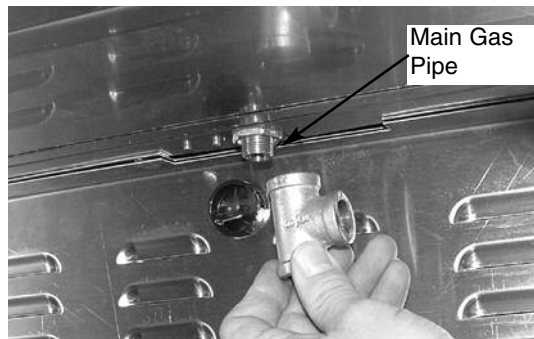


Fig 25

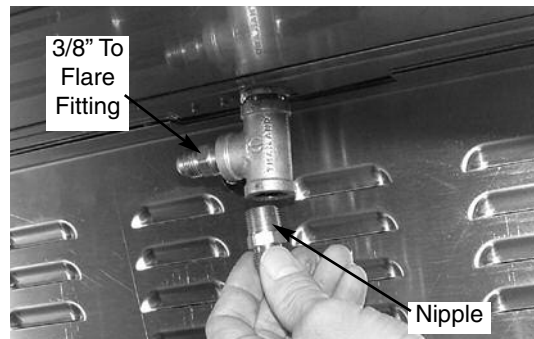


Fig 26

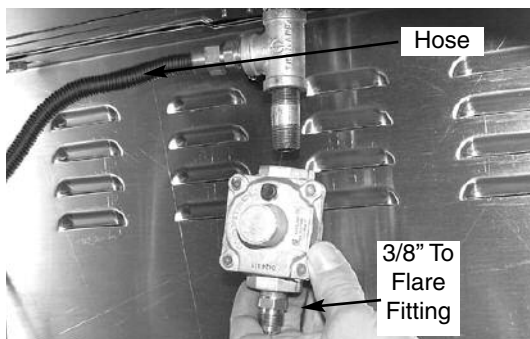


Fig 28

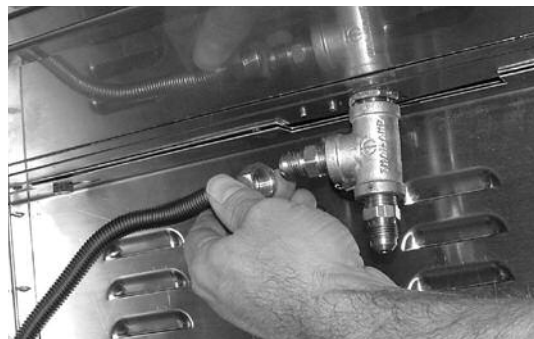


Fig 27

# Sonoma CGR30

## Natural Gas Conversion Instructions

### Converting the Side Burner to NG

1. Loosen the gas supply hose attached to the side burner valve using an adjustable wrench. (See Fig. 29)
2. Once removed, the LP regulator and hose can be completely removed from the grill. (See Fig. 29)
3. Loosen the aluminum line going from the side burner valve to the side burner, using an adjustable wrench. (See Fig. 30)

**Note: First remove the aluminum line fitting, then remove the fitting attached to the valve.**

Remove the aluminum line completely from the side burner valve (See Fig. 31)

4. Remove the control knob from the front of the side burner. (Use a pair of pliers with a cloth to avoid any scratches or dents on the knobs) (See Fig. 32)

**Note: Metal knobs on the 44" grill can be removed by hand.**

5. Remove the screw holding the bezel in place on the side burner and remove bezel from front of side burner. (See Fig. 33)

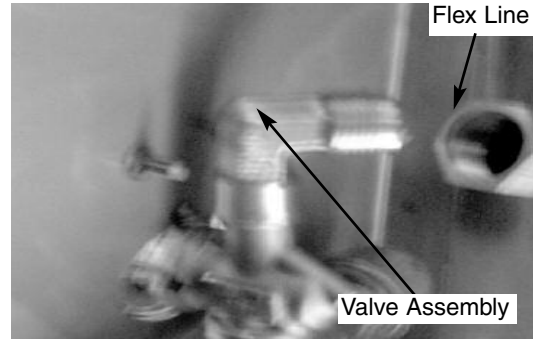


Fig 29

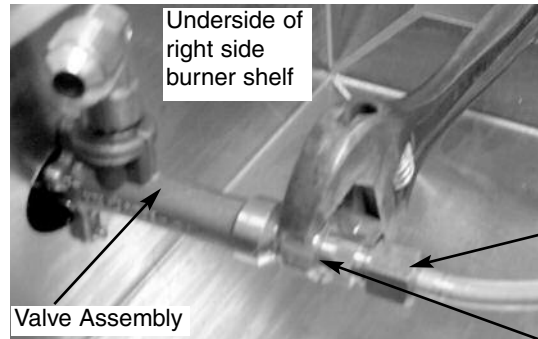


Fig 30

Loosen this first.

Loosen this second.

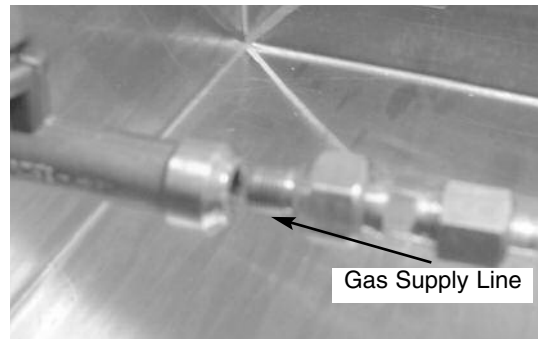


Fig 31



Fig 32

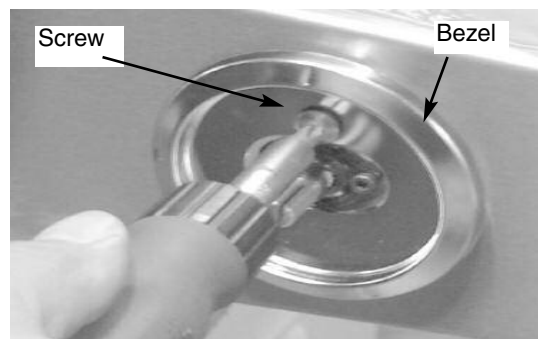


Fig 33



# Sonoma CGR30 Natural Gas Conversion Instructions

6. Remove LP valve assembly from the side burner.
7. Install new NG valve assembly and bezel into the side burner assembly. (See Fig. 34-35)

**Note: The valve assembly is held in place by the front bezel screw.**

8. Connect the new gas supply hose to the side burner valve. (See Fig. 29 again)

**Note: The hose should be routed through the same hole from which the LP regulator hose was removed.**

9. Reattach aluminum line from the new LP valve to the side burner. (See Fig. 36)

**Note: First attach the fitting attached to the valve. then the aluminum line fitting**

10. Tighten the aluminum line going from the side burner valve to the side burner, using and adjustable wrench. (See Fig. 36)
11. Reattach the control knob onto the valve stem, making sure "OFF" is facing upwards. (See Fig. 32, again)

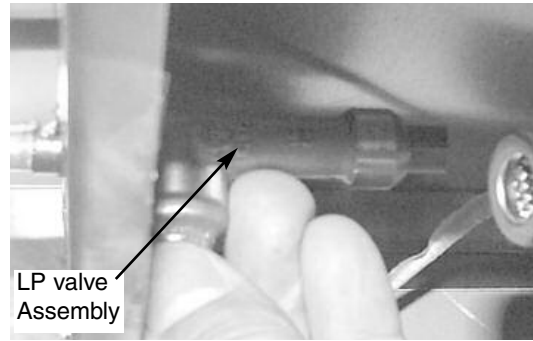


Fig 34

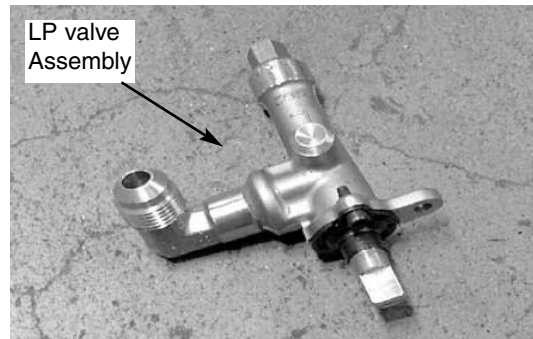


Fig 35

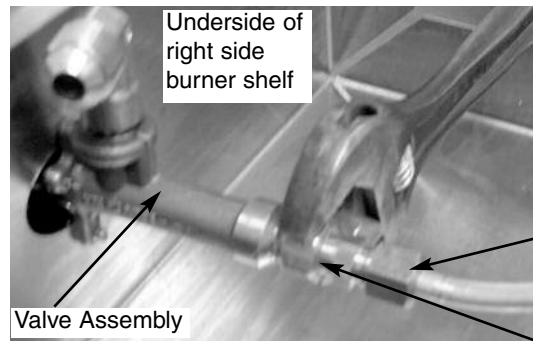


Fig 36

Attach  
Second

Attach First

# Sonoma CGR30

## Natural Gas Conversion Instructions

12. Remove side burner assembly (copper tubing assembly)
13. Install new assembly that came with the kit.
14. Reconnect gas inlet tubing and tighten.
15. Using the 9/32" or 7mm nut driver tighten the NG orifice in the main burner assembly.
16. This completes the side burner conversion.
17. At the completion of the conversion, a leak test should be performed on all fittings. See Use and Care manual for leak testing procedure

**Proceed to rear infrared burner conversion.**

# Sonoma CGR30

## Natural Gas Conversion Instructions

### Converting the Rear Infrared Burner to NG

1. Remove the four (4) screws on the inside of the grill that hold the rear infrared cover in place. (See Fig. 37)
2. Close the grill hood slowly,
3. Remove the two (2) screws from the back infrared cover, located on the back of the grill. (See Fig. 38)
4. Grasp rear infrared cover and remove it from the grill. (See Fig. 39)
5. Disconnect flex line and twist orifice elbow to remove LP orifice.
6. Completely remove the LP orifice from the flared fitting and set aside. (See Fig. 40)
7. NG orifice (See Fig. 40)
8. Install the NG orifice into the flared fitting and tighten completely with an adjustable wrench.
8. Replace the rear infrared cover (See Fig. 39, again)
9. Install the two (2) screws on the back infrared cover, located on the back of the grill. (See Fig. 38)
10. Open hood.
11. Reinstall the screws that hold the rear infrared cover in place. (See Fig. 37, again)
12. Rear Infrared Burner conversion complete.
13. This completes the conversion, a leak test should be performed on all fittings. See Use and Care manual for leak testing procedure

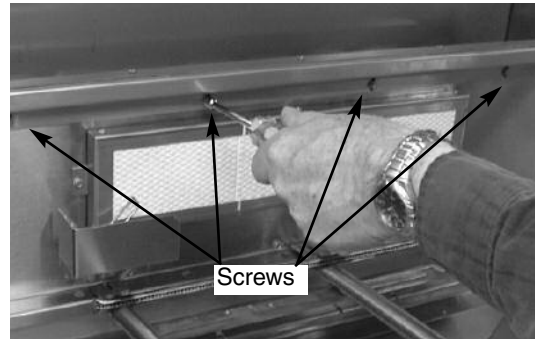


Fig 37



Fig 38

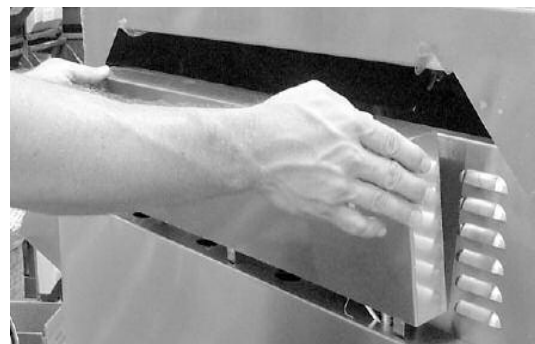


Fig 39

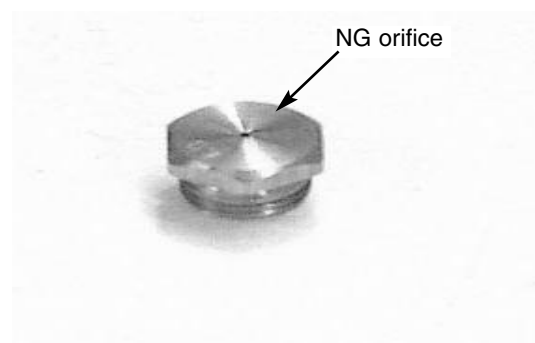


Fig 40