



Liquid Propane Conversion Kit

For the following Coleman® Gas Barbecue Grills:

8350 Series (M/N 9992-648)

Note: These instructions apply to grill **Model 8350 Series**. The parts included are designed for your specific grill. The illustrations may differ slightly from model to model.

IMPORTANT

Read this document carefully before attempting installation of this conversion kit. These instructions should be left with the consumer for future reference.

! WARNING

- This Liquid Propane conversion Kit must be installed only by a qualified service technician.
- Gas supply system must be installed in accordance with the U.S. National Fuel Gas Code.
- This appliance and its individual shut off valve must be disconnected from the gas supply piping system during any system pressure test in excess of 1/2 PSI (3.5 KPA).
- Use a system manual shut off valve to shut off the gas supply to this gas appliance before continuing with installation procedures.

! WARNING

- If the information in this document is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life. Read the Coleman® *Gas Barbecue Use, Care & Assembly Manual With Grill Lighting Instructions*, before attempting installation of this conversion kit.

! WARNING

- **TURN OFF THE GAS SUPPLY!**
DO NOT attempt to install this Natural Gas Conversion Kit while the barbecue is in operation or is hot.

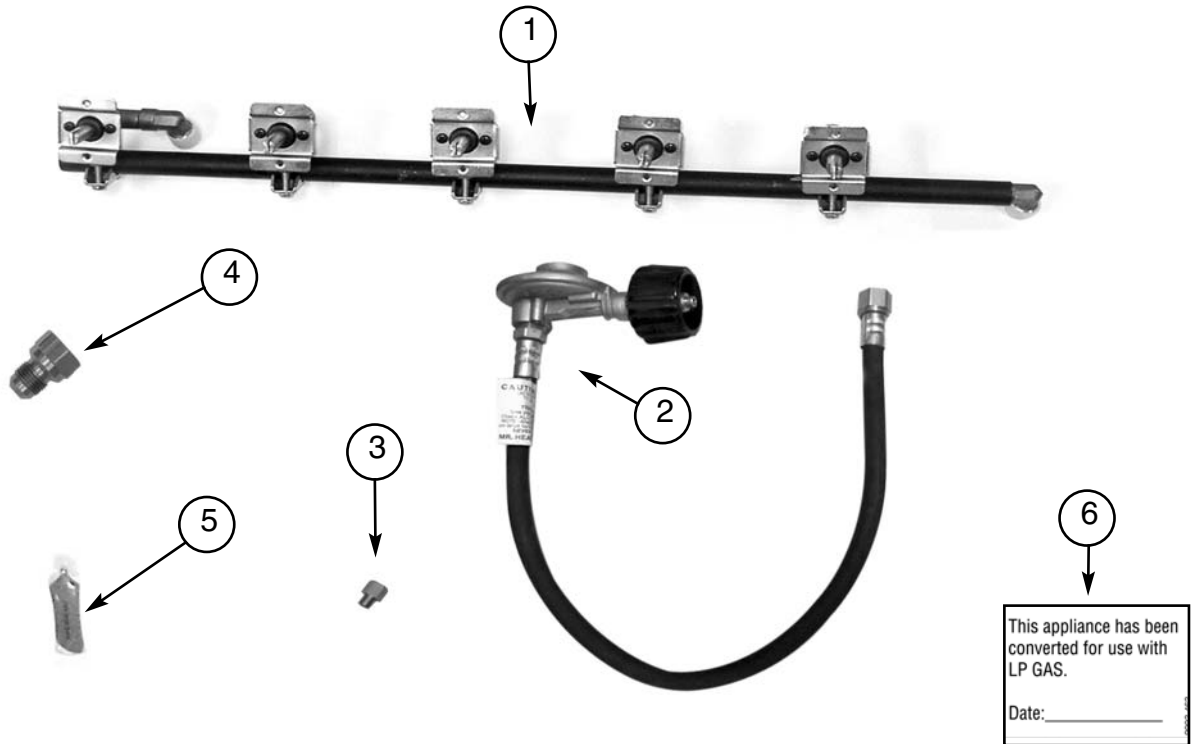
! WARNING

A liquid propane tank, not connected for use with this gas barbecue, shall not be stored in the vicinity of this or any other appliance.

Installation and provision for combustion and ventilation air must conform with the *National Fuel Gas Code, ANSI Z223.1*, or *CAN/CGA-B149.1, Natural Gas Installation Code*, or *CAN/CGA-B149.2, Propane Installation Code*.

Turn off and disconnect from Natural Gas service line prior to servicing grill.

Liquid Propane Gas Conversion Instructions



Item No.	Qty	Description
1	1	Main Burner Valve & Manifold Assembly (L.P.) 8350
2	1	Main Regulator Hose Assembly (L.P.)
3	1	Rear IR L.P. Orifice (8350)
4	1	Connector 3/8" FNPT x 3/8" MFLR
5	1	Pipe Sealant
6	1	LP Conversion Sticker

Tools Needed:

Phillips head screwdriver

1/4" nut driver *

9/16" wrench

Adjustable wrench

* socket set with extension can also be used.

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

1. Remove cooking grates and heat tents. (See Fig. 1).
2. Remove the screws holding the rear heat shield in place. Lift out rear heat shield and set aside (Fig. 2).
3. Remove the two screws holding each igniter in place (Fig. 3).
4. Lay igniters on floor of grill (Fig. 4).

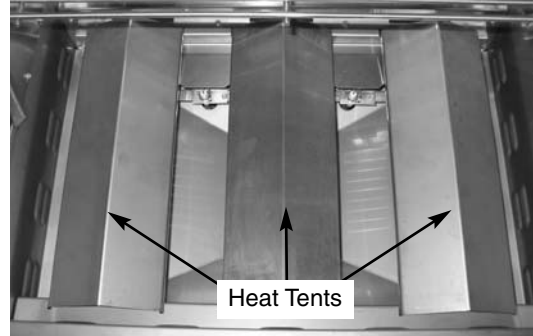


Fig 1

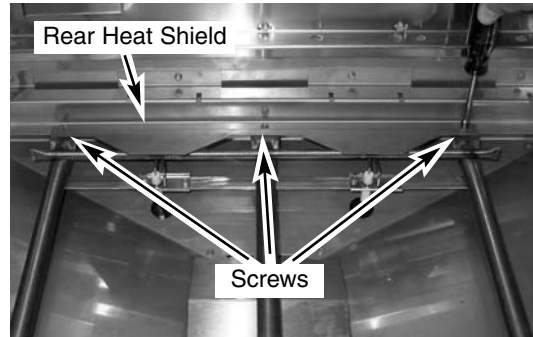


Fig 2

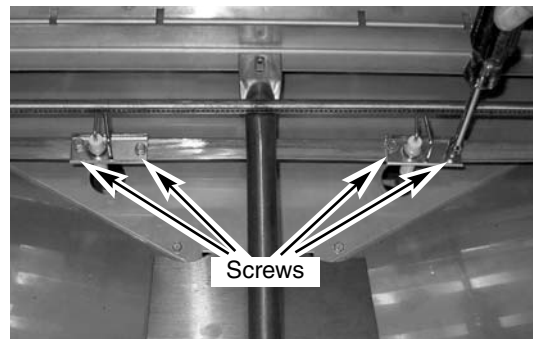


Fig 3

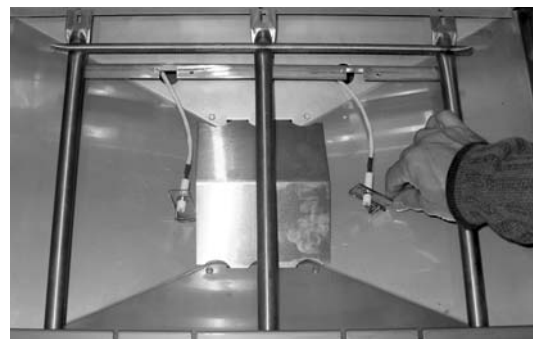


Fig 4

Liquid Propane Gas Conversion Instructions

5. Remove the screws from the bottom of the heat shield, holding the front heat shield in place. The screws are located under the bottom lip of the shield (Fig. 5).
6. Remove the side heat shield screws located under the bottom lip of the heat shield. Remove all of the top heat shield screws (Fig. 6).
7. Remove the front heat shield (Fig. 7).
8. Grasp and push the burners towards the rear of the grill to detach the burner from the valves (Fig. 8).
9. Angle the burners up and remove (Fig. 8).

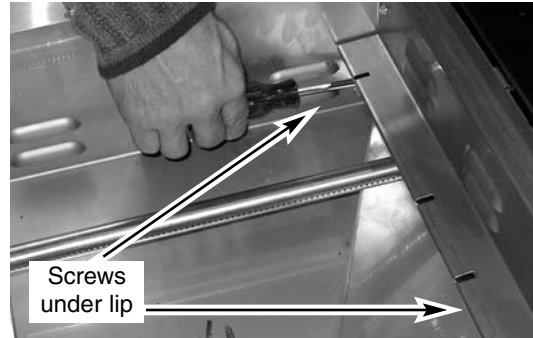


Fig 5

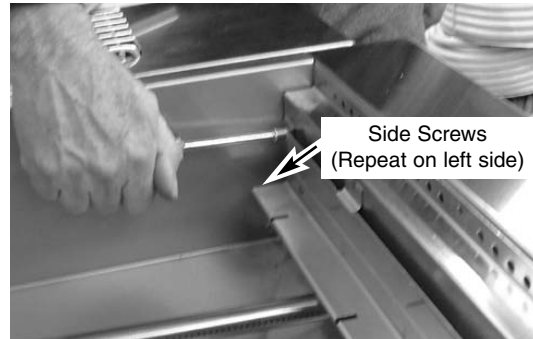


Fig 6



Fig 7

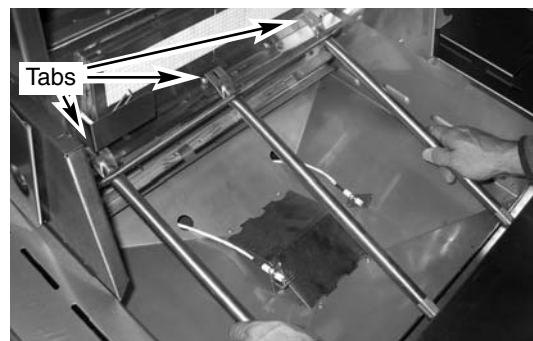


Fig 8

Liquid Propane Gas Conversion Instructions

10. Disconnect the right side flexline from the manifold using the adjustable wrench. This will free up the right side of the manifold (Fig. 9).
11. Disconnect the left side flexline from the back infrared valve using an adjustable wrench. This will free up the left side of the manifold (Fig. 10).
12. Remove the control knobs from the front of the grill (Fig. 11).
13. Remove the two screws holding each bezel in place on the control panel (Fig. 12).
14. Remove the bezels from the front control panel.
Note: The small bezel stays in place (Fig. 13).
15. Remove manifold from grill body (Fig. 14).

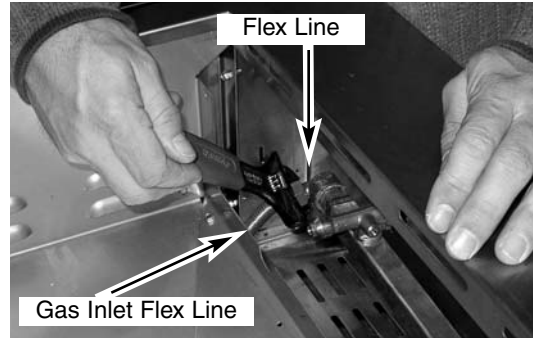


Fig 9

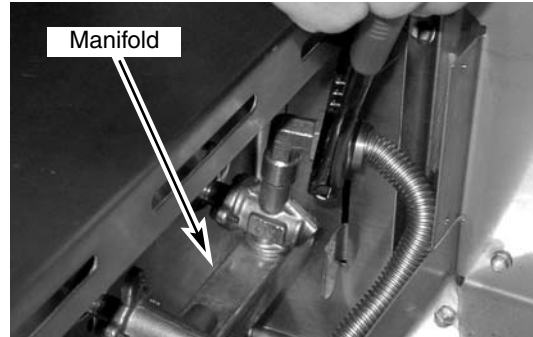


Fig 10



Fig 11

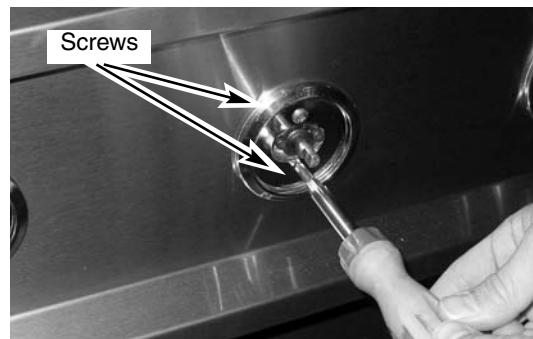


Fig 12

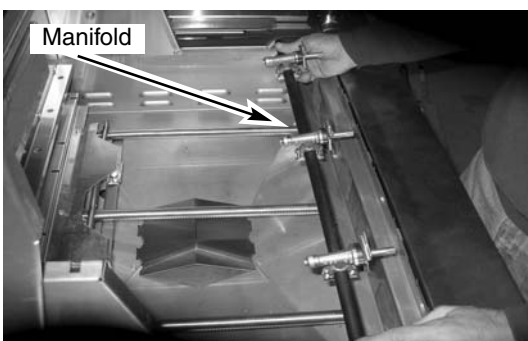


Fig 14



Fig 13

**You are now ready to install
the new LP manifold.**

16. **NOTE:** New screws for the bezels are inserted into the new LP manifold at the factory. Remove them before proceeding with Step 17.
17. Place the new manifold into the grill body with the control knob stems going outward through control panel front (Fig. 15).
18. Reattach the bezels to the manifold with the screws. Make sure that "off" is facing up on the bezel (Fig. 12 & 13).
19. Reattach the control knobs onto the manifold stems, making sure the arrow is facing upwards (Fig. 11).
20. Reattach the flexline on the left of the grill to the back infrared valve using an adjustable wrench (Fig. 10).
21. Reattach the flexline on the right of the grill to the new manifold using the adjustable wrench (Fig. 9).
22. Reinstall burners into the grill body. Line up the burners with the valves on the manifold, making sure they are level. Make sure the burners are fully over the valves (Fig. 16).
23. Reattach the igniters and their heat shields (removed in Steps 2, 3, and 4) to the burners (Fig. 2, 3, and 4).
24. Reattach the rear heat shields before attaching the front heat shield to be sure the burners remain over the valves (Fig. 2).
25. Reinstall the front heat shield (Fig. 5, 6, and 7).
26. Reinstall the heat tents (Fig. 1).
27. Reinstall the cooking grates.

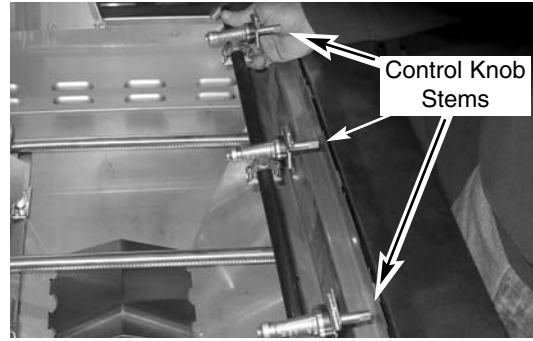


Fig 15

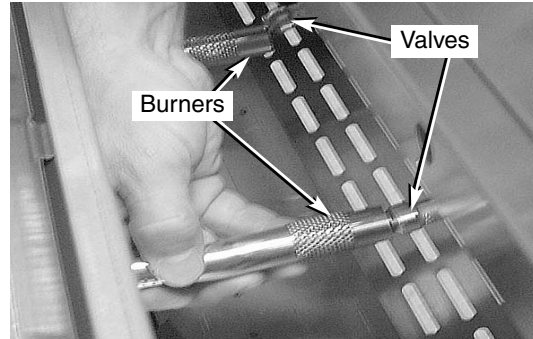


Fig 16

Installing the L.P. regulator

28. Remove the NG regulator from the main gas pipe using an adjustable wrench. The NG regulator is located on bottom of grill head (Fig. 17).

Note: For the following steps, the supplied pipe dope needs to be applied to all fittings before the fittings are attached.

29. Attach the 3/8" FNPT connector brass fitting to the main gas pipe (Fig. 18).

Pipe dope should not be used on any flared fittings!

30. Attach the main regulator hose assembly to the flared fitting (Fig. 19).



Fig 17



Fig 18

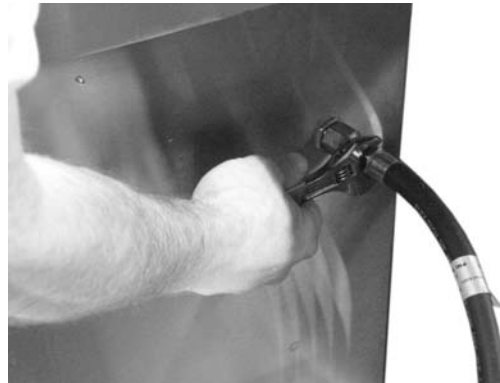


Fig 19

Converting the Rear Infrared Burner to LP

31. Remove the four screws on the inside of the grill that hold the rear infrared cover in place (Fig. 20).

32. Close the grill hood slowly.

33. Remove the two screws from the back infrared cover, located on the back of the grill (Fig. 21).

34. Grasp rear infrared cover and remove it from the grill.

35. Disconnect flex line and twist orifice elbow to remove NG orifice (Fig. 22 & 23).

36. Completely remove the NG orifice from the flared fitting and discard the NG orifice (Fig. 23).

37. LP orifice (Fig. 24).

Note: LP orifice has a smaller opening compared to the NG orifice being replaced.

38. Install the LP orifice into the flared fitting and tighten completely with an adjustable wrench (Fig. 23).

39. Reconnect the flexline (Fig. 22).

40. Replace the rear infrared cover. Install the two screws on the back infrared cover, located on the back of the grill (Fig. 21).

41. Open the grill hood slowly.

42. Reinstall the four screws on the inside of the grill that hold the rear infrared cover in place (Fig. 20).

43. Rear Infrared Burner conversion complete.

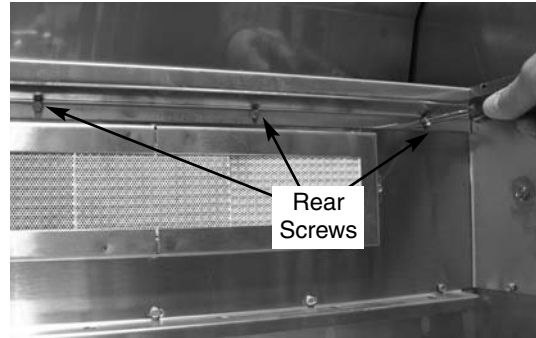


Fig 20



Fig 21



Fig 22



Fig 23



Fig 24

Liquid Propane Gas Conversion Instructions

Label the Grill

44. Apply conversion label 9992-462 on the grill, next to the lighting instruction label (Fig. 25).

Note: At the completion of the conversion, a leak test should be performed on all fittings. See Use and Care manual for leak testing procedure.

**Installation is now complete.
Enjoy your grill safely.**

Connections must comply with local requirements and are the sole responsibility of the person performing the work. A certified plumber must make connection to gas source. All codes must be followed.

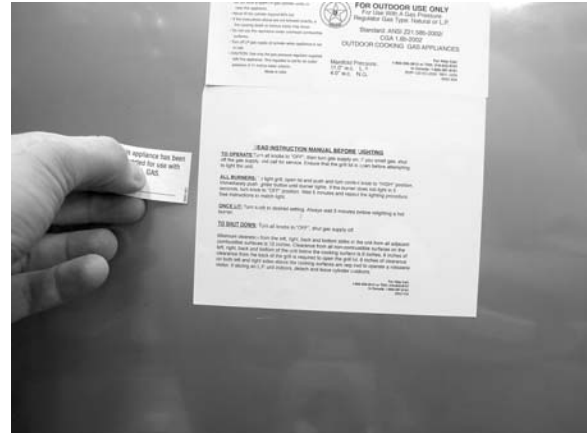


Fig 25

Label Your Grill

The Coleman Company, Inc. • 3600 North Hydraulic
Wichita, KS 67219 U.S.A.
1-800-356-3612 • TDD: 316-832-8707
www.coleman.com

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