



Sunstone Ruby Series 5 Burner Gas Grill With Infrared Instruction Manual

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Sunstone Ruby Series 5 Burner Gas Grill With Infrared



Product Information

The Ruby Series Grills are gas grills that can be converted from liquid propane (LP) to natural gas (NG) or vice versa. The grills come with safety valves and options for infra-red (IR) burners. It is important to follow the gas conversion instructions provided in the user manual to ensure proper usage and safety.

Parts Needed for Gas Conversion

Depending on the type of conversion, the following parts are needed:

- **NG to LP Conversion:**

- Safety Valve for NG (With IR Burner)
- Item No. R-Rvalve for LP
- Item No. R-RSvalve for LP
- LP Regulator
- Item No. P-MAdaptor for LP
- LP IR-Flare Adapter (With IR Burner)
- Item No. P-Orifice-IR for LP
- Item No. LP-Reg

- **LP to NG Conversion:**

- #50 Drill Bit
- NG Regulator
- Safety Valve for NG (With IR Burner)
- Item No. P-MAdapter for NG
- NG IR-Flare Adapter (With IR Burner)
- Item No. P-Orifice-IR for NG
- Item No. R-RSvalve for NG

Product Usage Instructions

When performing a gas conversion on the Ruby Grill, follow these steps:

1. Disconnect the gas line from the back of the grill and turn off the gas supply.
2. If converting from NG to LP, refer to section 3. If converting from LP to NG, skip to section 6.
3. Follow the instructions in section 3 for converting your Ruby Grill from NG to LP.
4. If your grill has an infra-red back burner, follow the instructions in section 4 for converting the safety valve.
5. If your grill has an infra-red back burner, follow the instructions in section 5 for converting the safety valve.
6. If converting from LP to NG, refer to section 7. If converting from NG to LP, skip to section 10.
7. Follow the instructions in section 7 for converting your Ruby Grill from LP to NG.
8. Review the installation instructions located inside the grill's product manual and ensure all guidelines are followed correctly.
9. Never operate the grill unattended.
10. If you have a side yard propane tank, make sure to have an additional medium pressure regulator located at the grill to prevent serious bodily harm or damage to the grill and island structure from high heat extremes.

By following these instructions, you can safely and effectively convert your Ruby Grill between LP and NG fuel sources as needed.

Understanding Gas Appliance Conversions

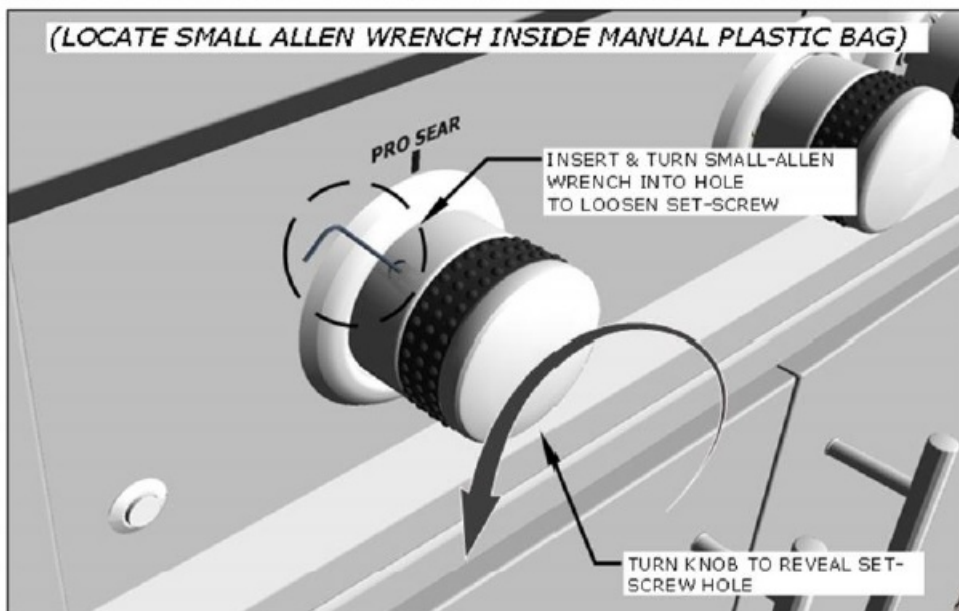
Making changes to an appliance so that it can utilize a different fuel is known as appliance conversion. The inner Valves and Orifices are designed to work with a gas that has a specific pressure. Natural gas is a much lower pressure gas than propane and converting the appliance to one or the other gases requires that the differing pressure is compensated for. In other words, connecting a natural gas appliance to a propane piping system will result in appliance malfunction and possibly danger. The reason for this is because natural gas orifices are larger than propane orifices strictly because of gas service pressure. In this case, the higher-pressure gas flowing through a larger orifice will result in more gas through the burner and likely, more flame...an unnecessarily large flame. Conversely, trying to use a propane appliance with natural gas will likely result in a very small flame or no burner flame at all because of the lower pressure gas and the smaller orifice. This is the purpose of an appliance conversion from propane to natural gas or from natural gas to propane.

To installer or person assembling grill: Leave this manual with grill for future reference. **To consumer:** Keep this manual for future reference.

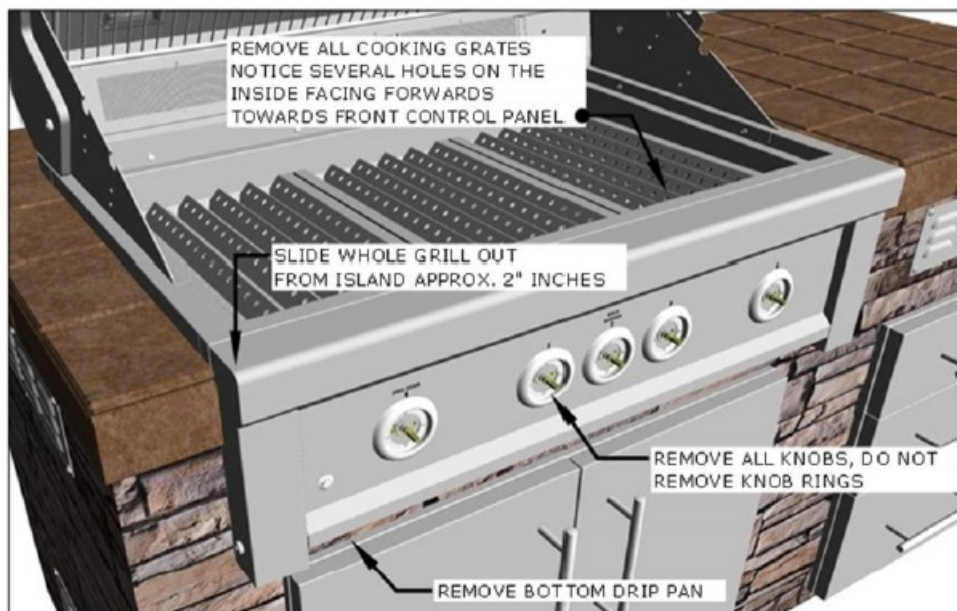
SERVICE ACCESS – Opening Panel

When performing a Gas Conversion, Opening the Panel is the First Step to converting the grill from either Liquid Propane or Natural Gas. Always Turn-Off and Disconnect any Gas Lines or Connections from the grill, before performing any service or conversion on the grill.

ROTATE KNOBS TO REVEAL HOLE, INSERT SMALL ALLEN WRENCH FOUND WITH PRODUCT MANUAL



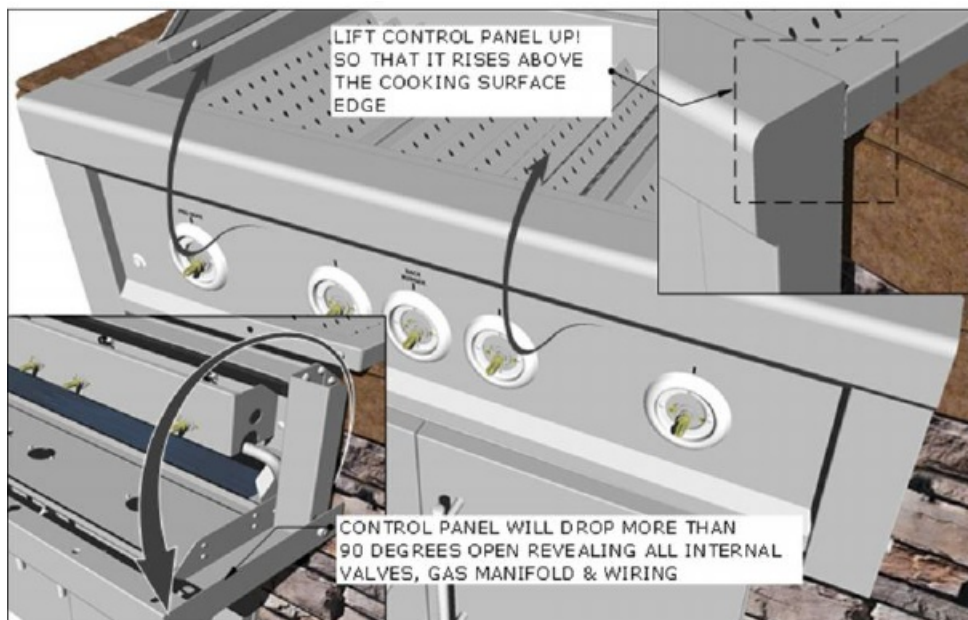
REMOVE COOKING GRATES, ALL KNOBS & DRIP PAN ONLY & PLACE ON SIDE COUNTER



LOCATE LARGE ALLEN WRENCH WITH PRODUCT MANUAL, REMOVE BACK CONTROL PANEL SCREWS



GRIP CONTROL PANEL TOP LIP, AND LIFT UP RELEASING PANEL, ALLOW IT TO DROP OPEN



GAS CONVERSION

Getting Started

DANGER!

Disconnect the Gas Line from back of grill, and Turn the Gas Supply OFF to the grill before performing Gas Conversion. Serious Injury may result if Gas is Left ON.

Parts Needed for each Gas Conversion Type NG to LP Conversion:

LP Valve – Need 3, 4 or 5

depending number of burners



Item No. R-Rvalve for LP

Safety Valve for NG (With IR Burner)



Item No. R-RSvalve for LP

LP Regulator



Item No. LP-Reg

1/2" to 3/8" Flare Adapter

Item No. P-MAdaptor for LP



LP IR-Flare Adapter

Item No. P-Orifice-IR for LP
(With IR Burner)



LP to NG Conversion:

#50 Drill Bit



NG Regulator



Safety Valve for NG
(With IR Burner)



Item No. R-RSvalve for NG

1/2" Flare

Item No. P-MAdaptor for NG



NG IR-Flare Adapter

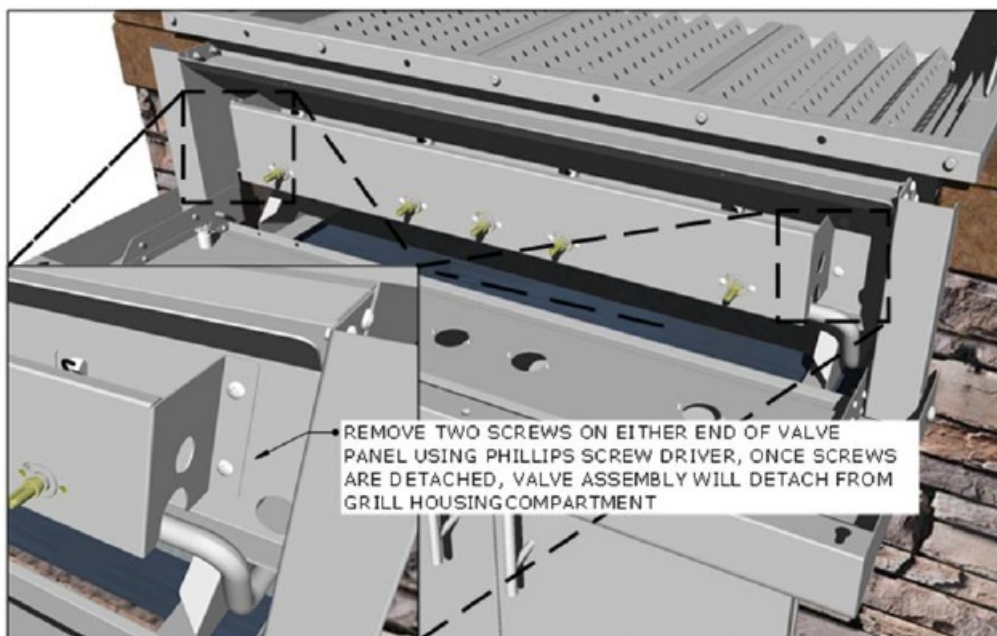
Item No. P-Orifice-IR for NG
(With IR Burner)



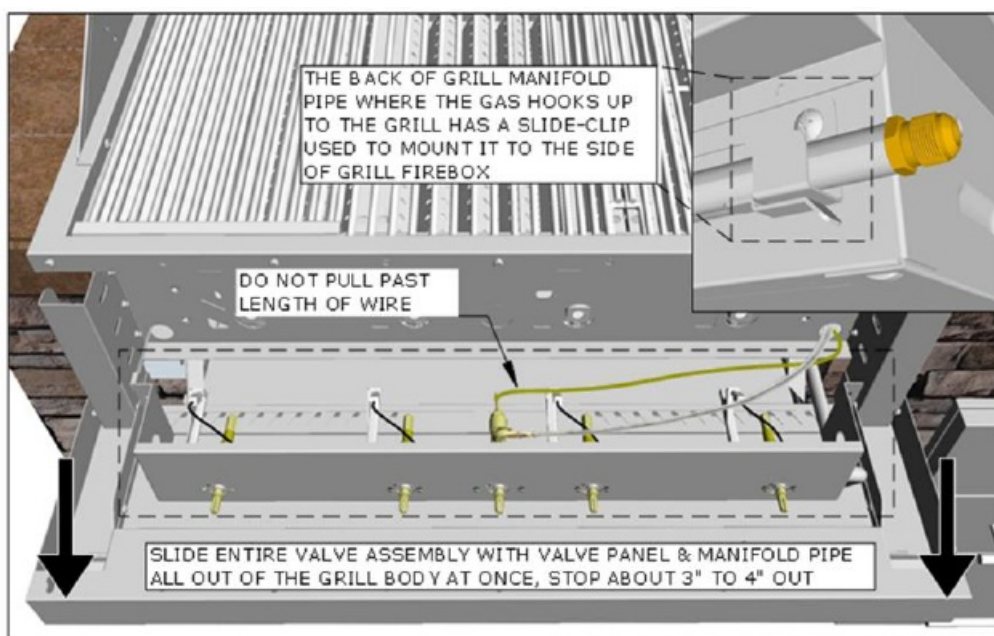
GAS CONVERSION – Accessing Valves

The Following section is for converting your Ruby Grill from NG to LP or from LP to NG. While performing this conversion, make sure your Gas line is Disconnected from the Grill and Gas is turned Off.

USING PHILIPS SCREW DRIVER, REMOVE THE TWO SCREWS AT EITHER END OF VALVE PANEL



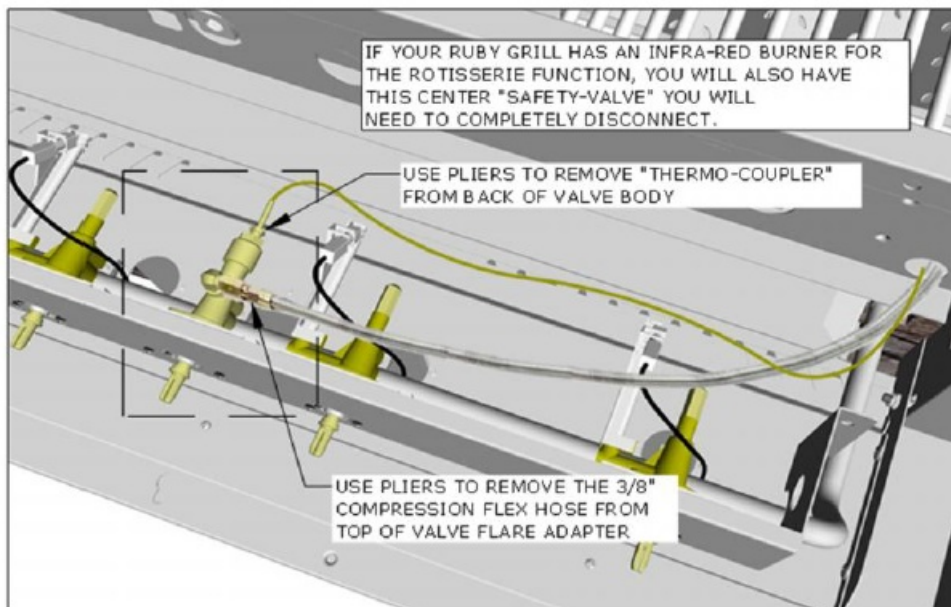
IDENTIFY COMPONENTS – REMOVE PARTS IF NECESSARY THEN SLIDE VALVE ASSEMBLY OUT



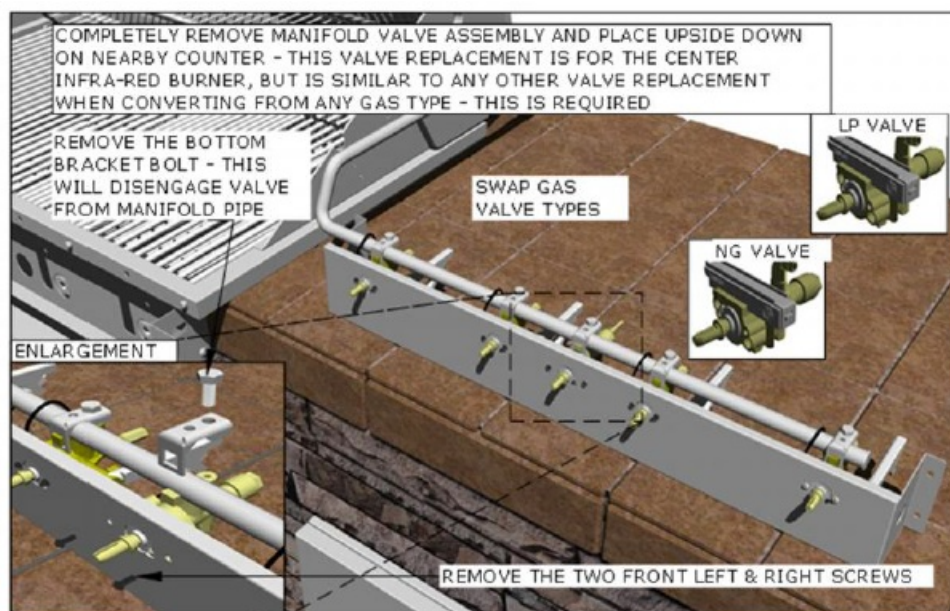
GAS CONVERSION – Convert Safety Valve

The Following section is for converting your Ruby Grill Safety Valve for Either LP to NG or NG to LP, for all grills with an Infra-Red Back Burner. Skip this section if your grill does not have this part.

REMOVE SAFETY VALVE FLEX HOSE, & BRASS WIRE, “THERMOCOUPLER”



REMOVE SAFETY VALVE AND SWAP FOR OTHER GAS TYPE EITHER LP OR NG



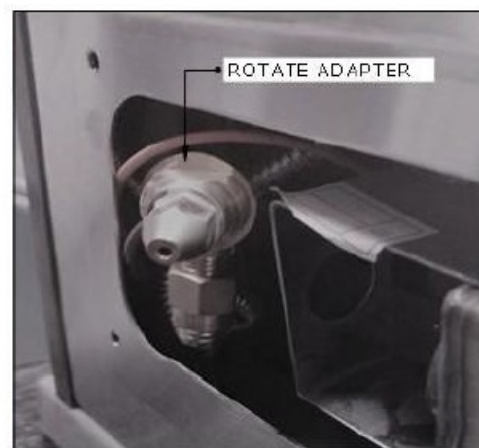
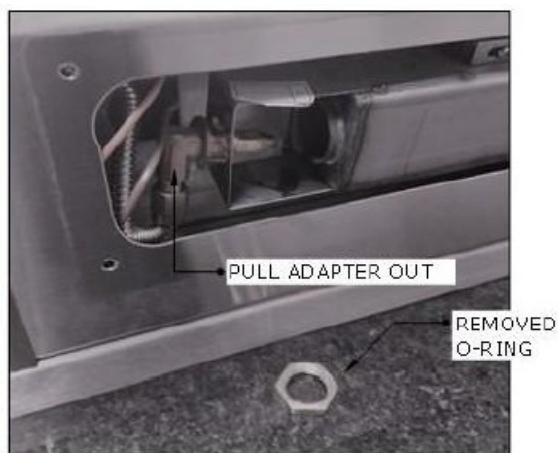
GAS CONVERSION – IR Burner Flare Adapter

The Following section is for converting your Ruby Grill Safety Valve for Either LP to NG or NG to LP, for all grills with an Infra-Red Back Burner. Skip this section if your grill does not have this part.

LOCATE THE PANEL ON THE BACK RIGHT SIDE, REMOVE TO ACCESS I BURNER FLARE ADAPTER



REMOVE BRASS O-RING, THEN PULL OUT ADAPTER & ROTATE OUT REVEALING FLARE

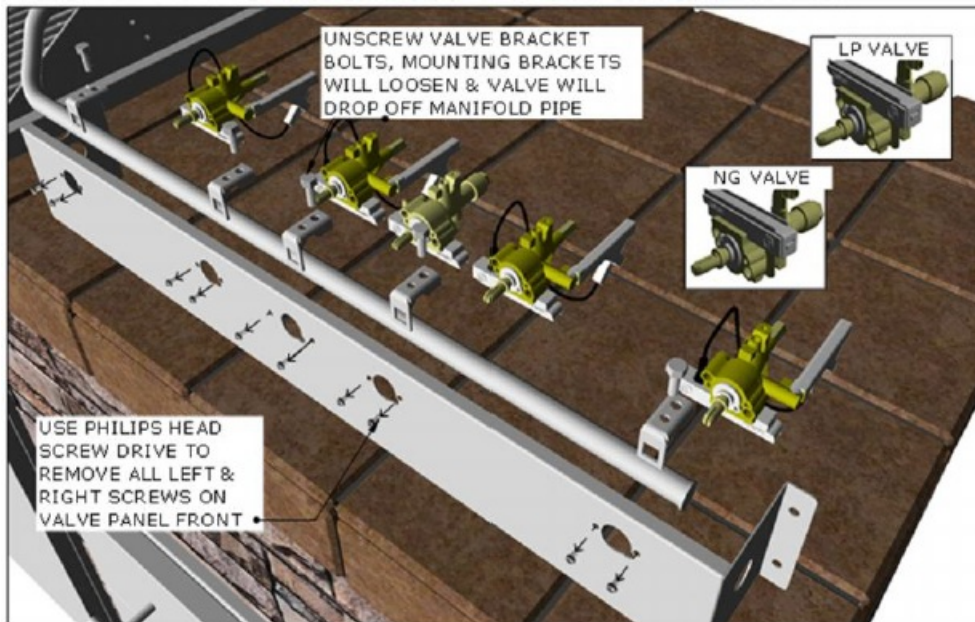


- If you are converting from LP to NG, use #50 Drill Bit and drill out the center flare hole making it larger like shown.
- If you are converting from NG to LP, you must remove the Flare and replace with new Flare with smaller Orifice hole for LP.

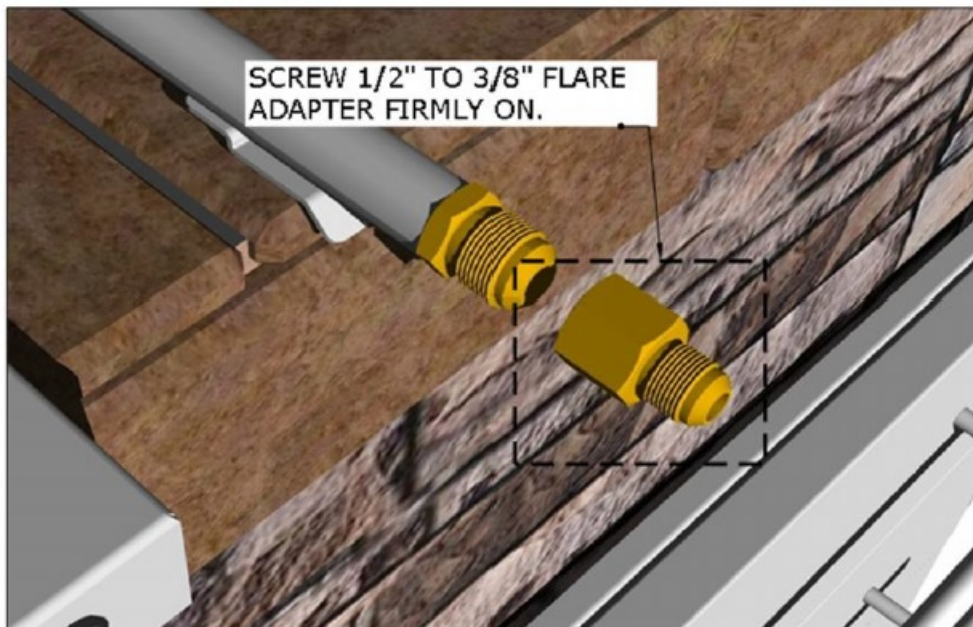
GAS CONVERSION – Convert NG to LP

The Following section is for converting a Ruby Grill from Natural Gas to Liquid Propane ONLY, if you are converting from Liquid Propane to Natural Gas, skip this section and continue onto the next page.

REMOVE ALL REMAINING VALVES AND SWAP VALVE FOR OTHER GAS TYPE FOR NG TO LP



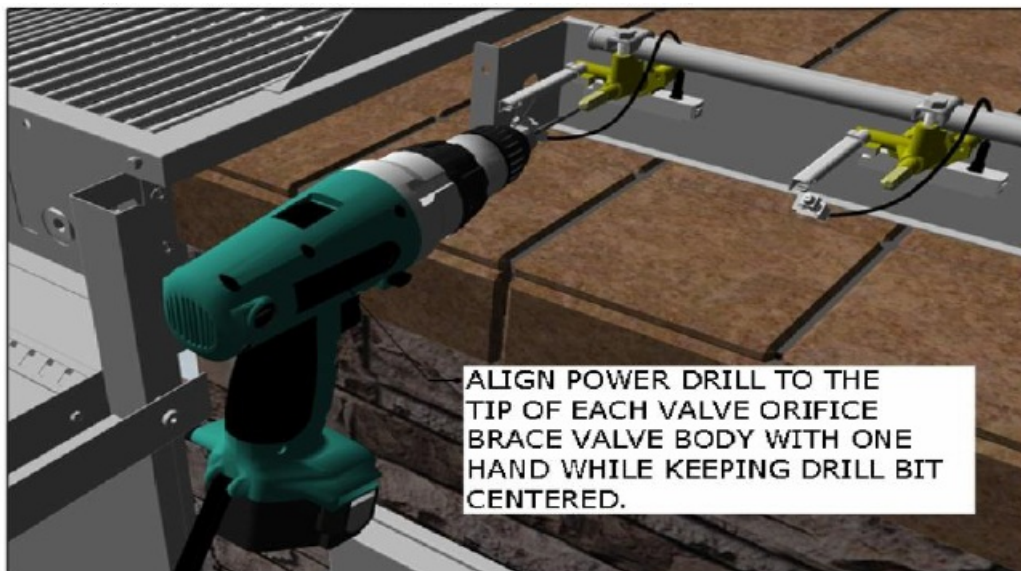
LOCATE CONNECTION AT END OF MAINFOLD PIPE, SCREW ON 1/2" TO 3/8" FLARE ADAPTER



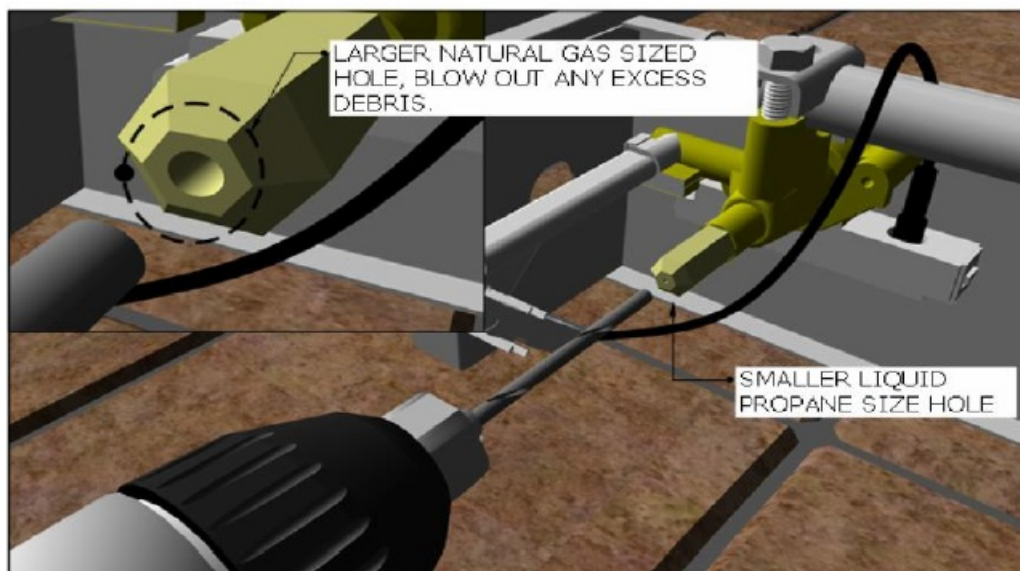
GAS CONVERSION – Convert LP to NG

The Following section is for converting a Ruby Grill from Liquid Propane to Natural Gas ONLY, if you are converting from Natural Gas to Liquid Propane, skip this section and refer to page 38.

USING A #50 SIZE DRILL BIT, DRILL OPEN THE TIP OF EACH VALVE ORIFICE END

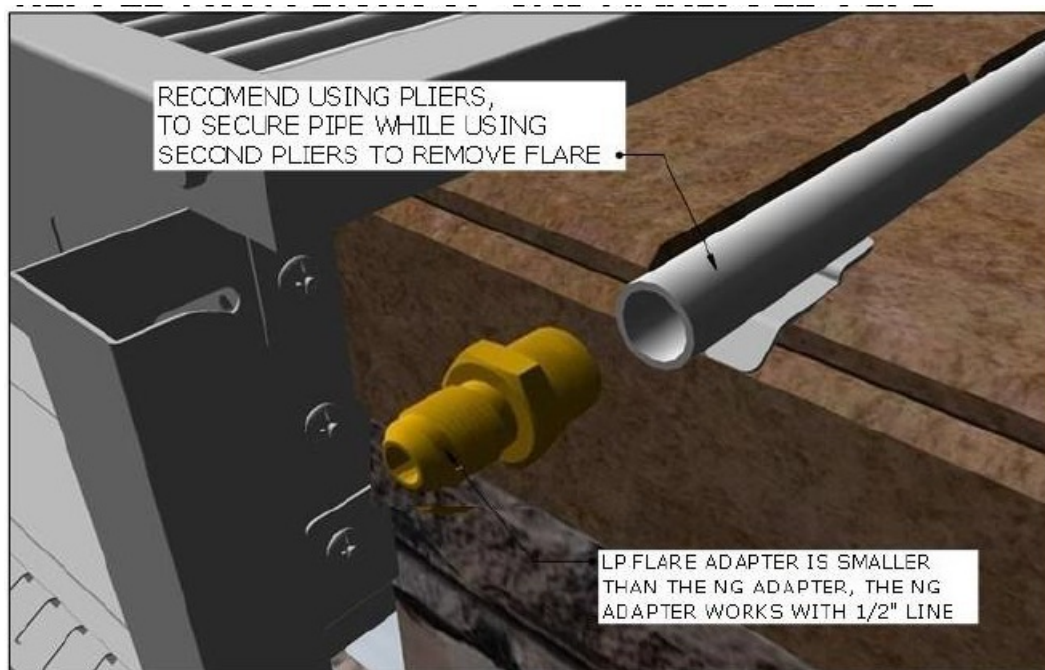


PAY CLOSE ATTENTION TO NOT OVERDRILL EACH HOLE, BLOW OUT ANY EXCESS DEBRIS

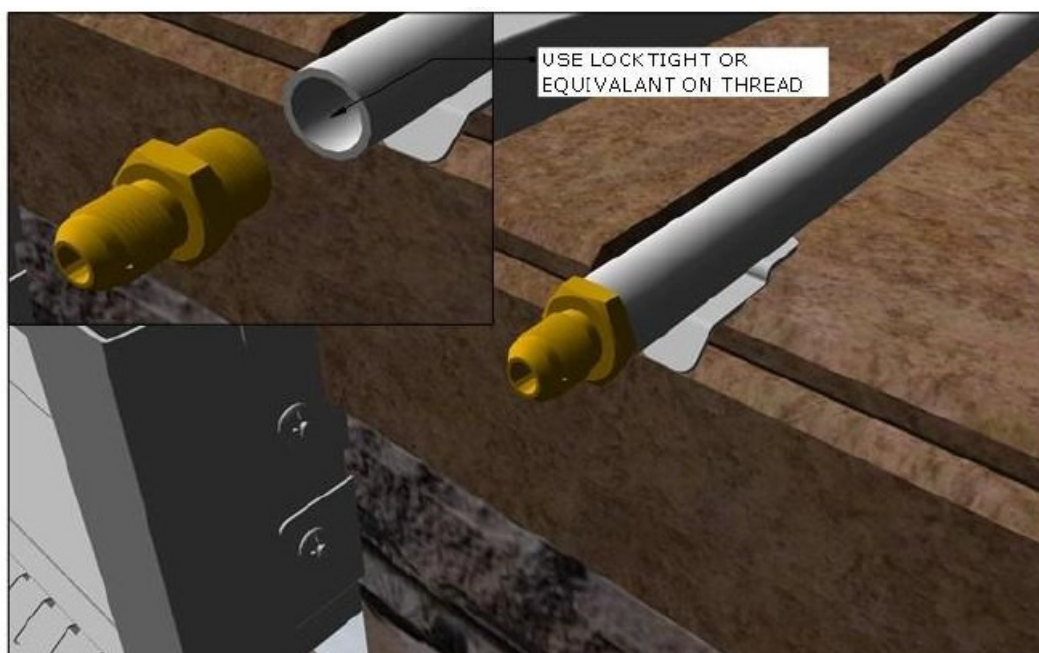


GAS CONVERSION – Convert LP to NG

UNSCREW THE CURRENT 3/8" INCH FLARE NIPPLE FROM BACK OF GAS MANIFOLD PIPE



REPLACE WITH NEW 1/2" INCH FLARE NIPPLE, USE LOCKTIGHT OR EQUIVARIANT



GAS CONVERSION – Check List

Caution: Never operate the grill unattended.

FIRST TIME STARTUP CHECKLIST

- All Valves are securely fastened on!
- Installation of the proper gas type and regulator settings specific for your new Gas Type!
- The proper gas connection is complete!
- Gas Leak Test has been performed!
- At Least Two Vents have been installed in High Position for Natural Gas and Low Position for Liquid Propane!
- All parts and components are properly in installed.
- An installer-supplied manual gas shut-off valve is fully accessible.


- LP hose is clean and inspected for cuts, wear, abrasion, or leaks.

Replace if necessary, with a suitable UL, ETL or CSA Listed part with internally threaded connector.

WARNING: If you have a Side Yard Propane Tank, you MUST have additional Medium Pressure Regulator located at the Grill. If you do not serious bodily harm may result or damage to the grill and island structure from HIGH Heat extremes.

ATTENTION: Review the Ruby Grills Installation Instructions located inside the Grills Product Manual. Confirm ALL Guidelines are done correctly, All Product Warranties may be VOID if grills installation does not meet minimum setup instructions.

Documents / Resources

	<p>Sunstone Ruby Series 5 Burner Gas Grill With Infrared [pdf] Instruction Manual Ruby Series 5, Burner Gas Grill With Infrared, Gas Grill With Infrared, Grill With Infrared, With I nfrared</p>
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