

TYTUS Grills Natural Gas Conversion Kit

Item # A10002

Warning

To reduce the risk of fire, burn hazard or other injury, read the manual carefully and completely before using your grill.

Warning

For Outdoor Use Only.

Questions, problems, missing

part? Customer Service

952-807-9690

Support@tytusgrills.com

Natural Gas Safety Instructions

- Your grill is designed to be natural gas convertible, at a pressure of 7" water column (W.C.)(1/4 psig or 1.75 kPa), regulated at the residential meter. Check with your gas utility company for local gas pressure and with your local municipality for building code requirements. If your residential gas line pressure has not been regulated to 7" W.C., contact your local gas utility company for professional assistance.
- You must use the gas pressure regulator supplied with this appliance. This regulator is set for an outlet pressure of 4" W.C.
- It is recommended that a shut off valve be installed at the gas supply source outdoors. Install the valve at a point after the gas pipe exits the outside wall and before the quick disconnect hose, or install it at the point before the gas line piping enters the ground. See Figure 1 (Page #8) .
- You must use pipe sealing compound or pipe thread tape that's resistant to the action of natural gas on all male pipe threads when making connections.
- Disconnect your gas grill from its fuel source when testing the gas supply at high pressures. This gas grill and its individual shut off valve must be disconnected from the gas supply pipe system during any pressure testing greater than 1/2 psi (3.5 kPa).
- Turn off your gas grill when testing the gas supply at low pressures. During any pressure testing at pressures equal to or less than 1/2 psi (3.5 kPa), you must close the individual manual shut off valve to isolate the grill from the gas supply pipe system.
- The quick disconnect is attached to a 3/8-inch NPT thread from the gas source. The quick disconnect fitting is a hand-operated device that automatically shuts off the flow of gas from the source when it is disconnected.
- The quick disconnect fitting can be installed horizontally or pointing downward. DO NOT install the fitting with the opening pointing upward because the fitting could collect water and debris.
- Dust covers (plastic plugs) are provided with the quick disconnect to help keep the open ends clean while disconnected.
- The outdoor connector must be firmly attached to a ridged permanent construction.
- The quick disconnect MUST BE installed above ground.
- WARNING: Do not route the 10-foot quick disconnect hose under a deck. The hose must be visible and inspected prior to each grill use.

Gas Line Piping

- If you are using less than 50 feet of gas line, use a 5/8" O.D. tube. For lengths greater than 50 feet, use one size larger.
- Gas piping may be copper tubing (type K or L), polyethylene plastic tube (with a minimum wall thickness of 0.062 in.), or standard weight (schedule 40) steel or wrought iron pipe.
- Copper tubing must be tin-lined if the gas contains more than 0.3 grams of hydrogen sulfide per 100 ft.³ of gas.
- Plastic tubing is suitable only for outdoor, underground use.
- Gas piping in contact with earth, or any other material which may corrode the piping, must be protected against corrosion in an approved manner.
- Underground piping must have a minimum of 18" cover.

Test Connections

All connections and joints must be thoroughly tested for leaks in accordance with local codes and all listed procedures in the latest edition of ANSI Z21.58-2018/CSA 1.6-2018.

Preparation – Before beginning conversion, make sure all parts are present. Place the grill on flat, level surface.

Make sure all the control knobs are in the OFF position, LP tank valve is closed, and tank is disconnected from regulator and removed from the grill.

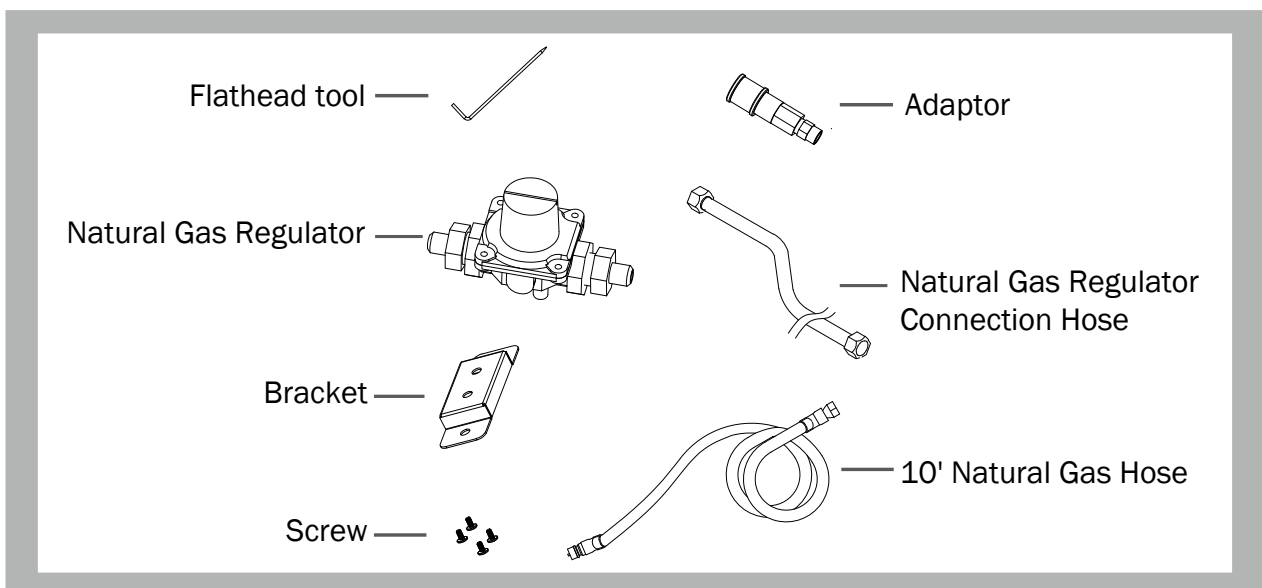
DANGER

Do not use an open flame to check for gas leaks. Be sure there are no sparks or open flames in the area while you check for gas leaks. This will result in a fire or explosion which can cause serious bodily injury or death and damage to property.

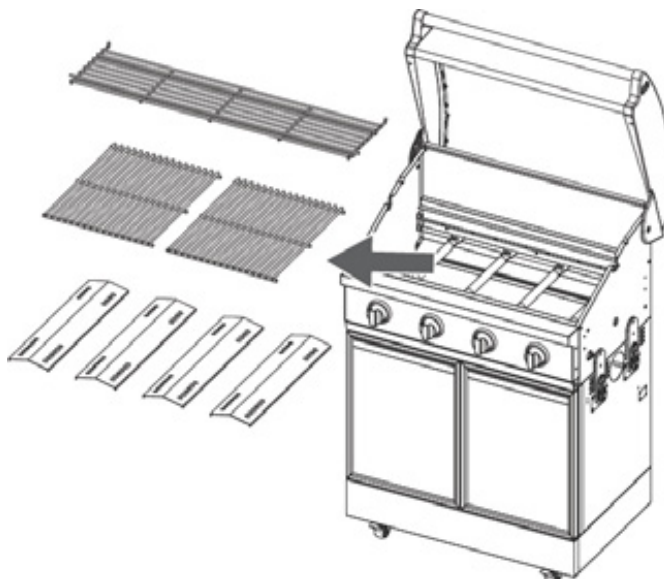
WARNING

The installation must conform with local codes or, in the absence of local codes, with either the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or the Natural Gas and Propane Installation Code, CSA B149.1, or the Propane Storage and Handling Code, CSA B149.2, or the Standard for Recreational Vehicles, ANSI A119.2/NFPA 1192, and CSA Z240 RV Series, Recreational Vehicle Code, as applicable.

Convert to Natural Gas



1. Open lid and remove the four flame tamers, two cooking grates, and warming rack.



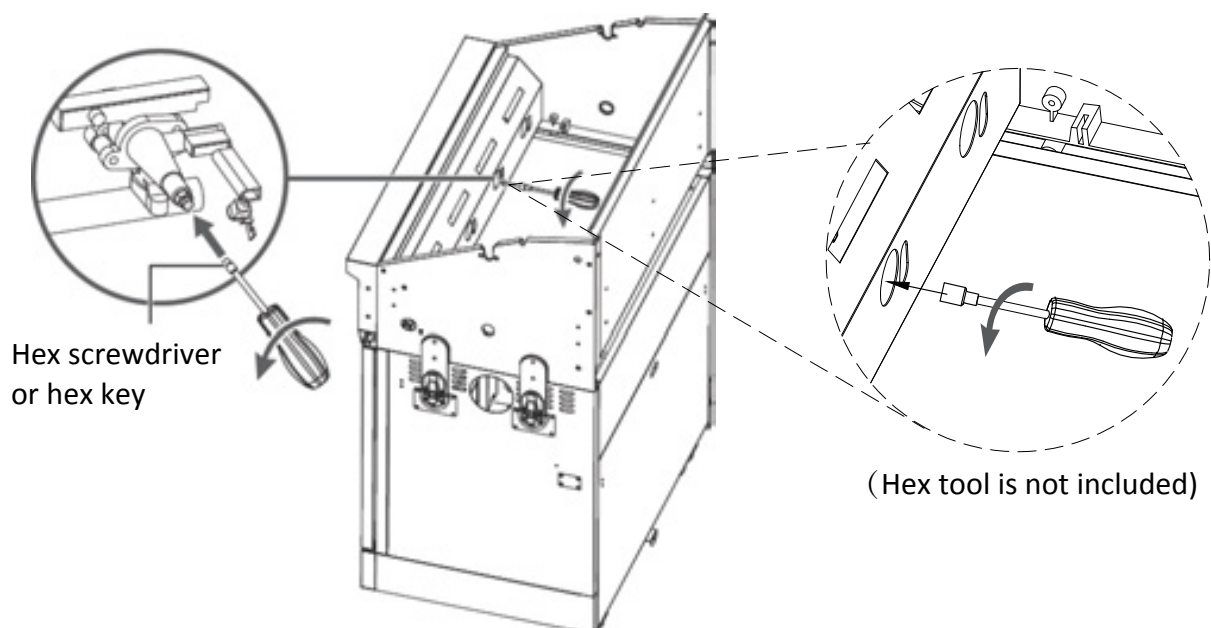
2. Remove the cotter pin at the rear of each burner.



3. Remove each burner.



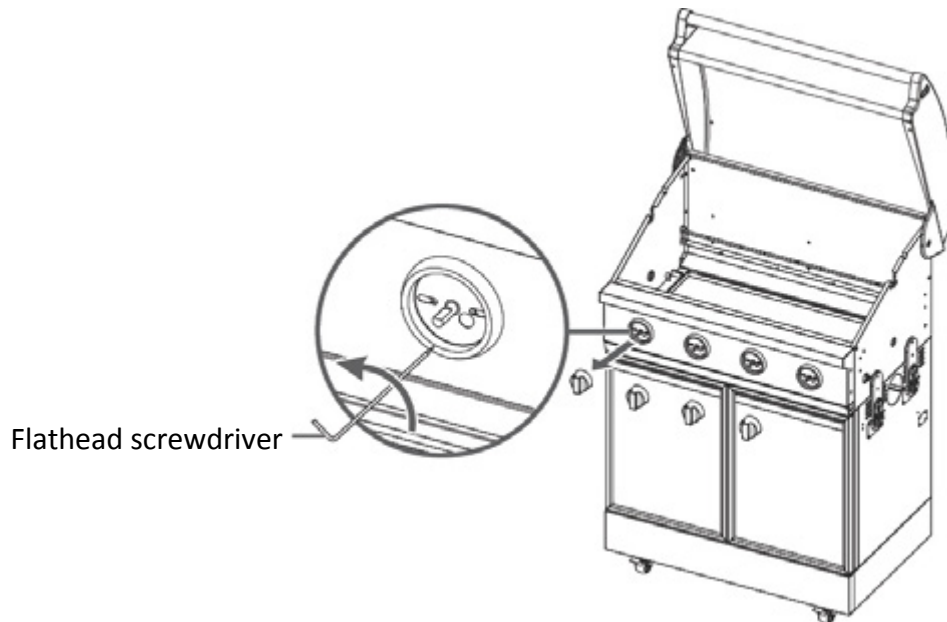
4. Remove the propane orifice with a 6 mm hex key.



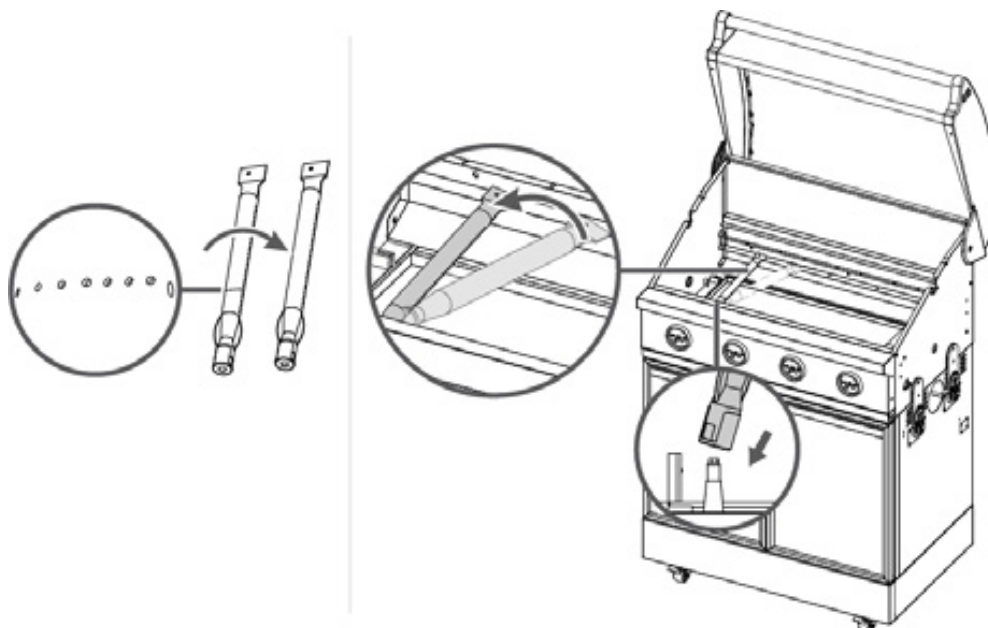
5. Remove the control knobs, then insert a flathead screwdriver into each control knob hole and turn counterclockwise twice to allow natural gas to flow. Turning this will allow Natural gas to flow when it is connected .

Warning

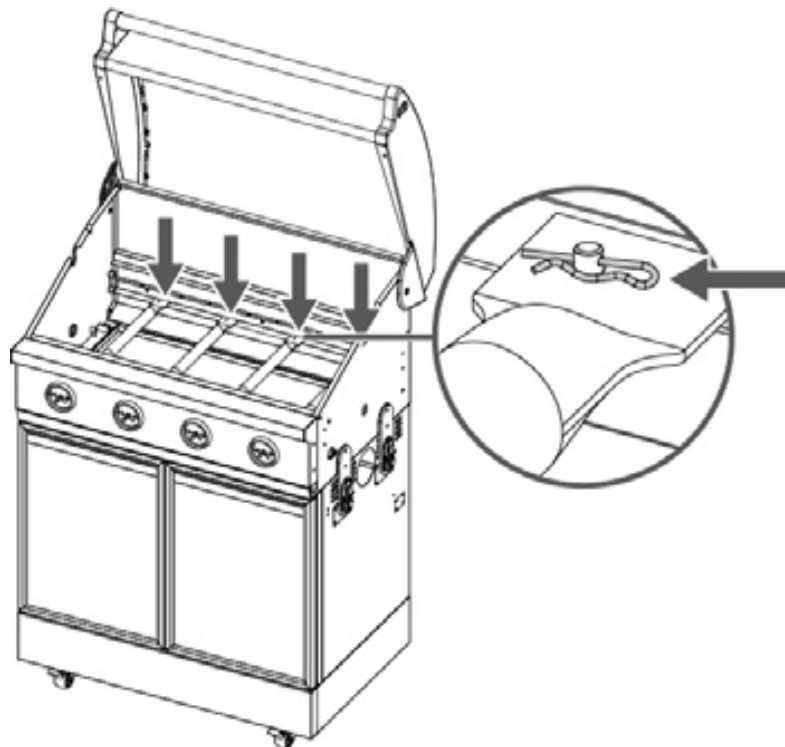
Failure to turn the control knob counterclockwise 2 times will result in low heat setting working improperly.



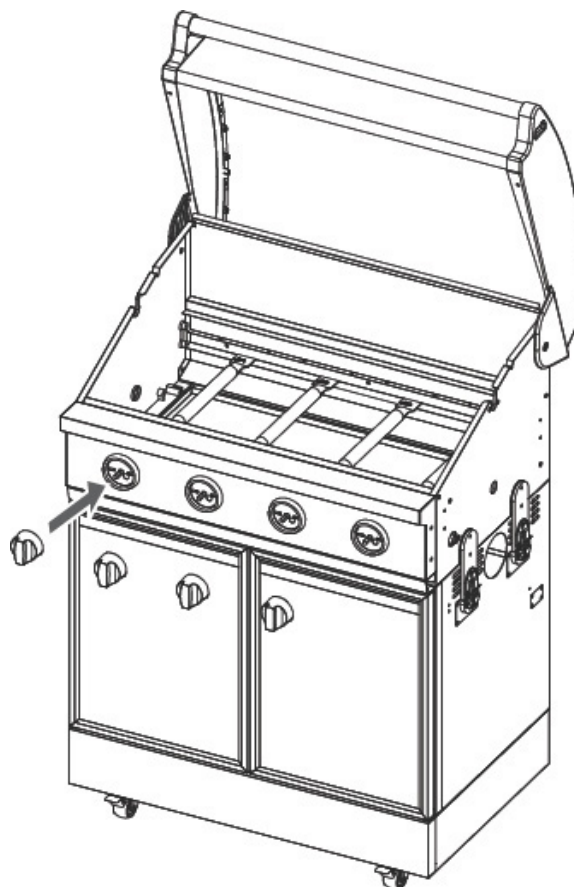
6. Make sure that the cross-lighting ports are facing down, then reinstall the burner. Angle the burner into the natural gas orifice, then turn the burner to let it rest at the back of the grill box.



7. Reinstall the cotter pins.



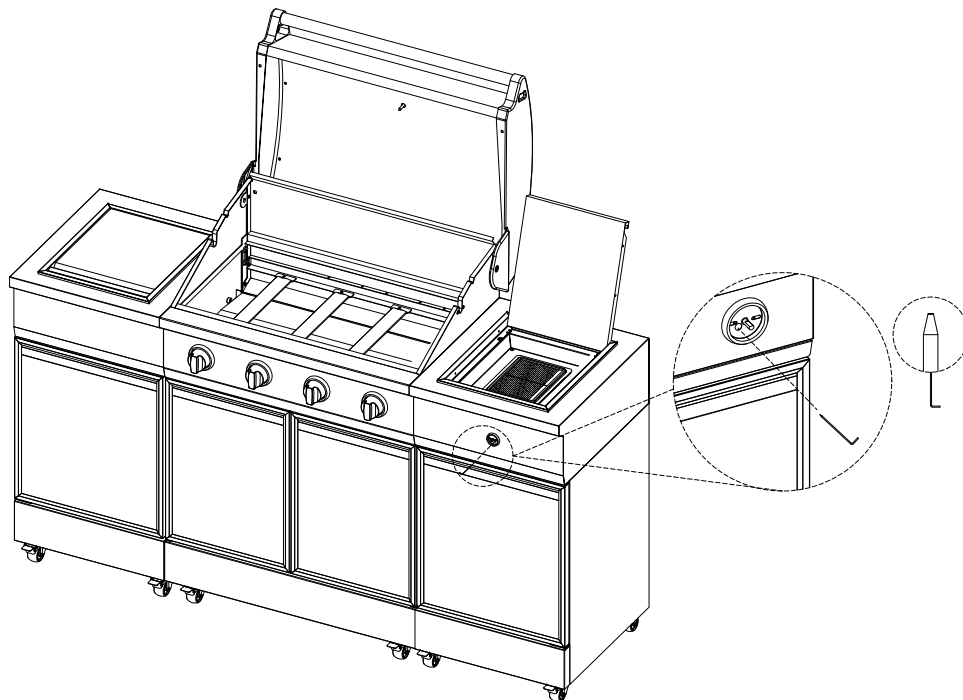
8. Attach the control knobs.



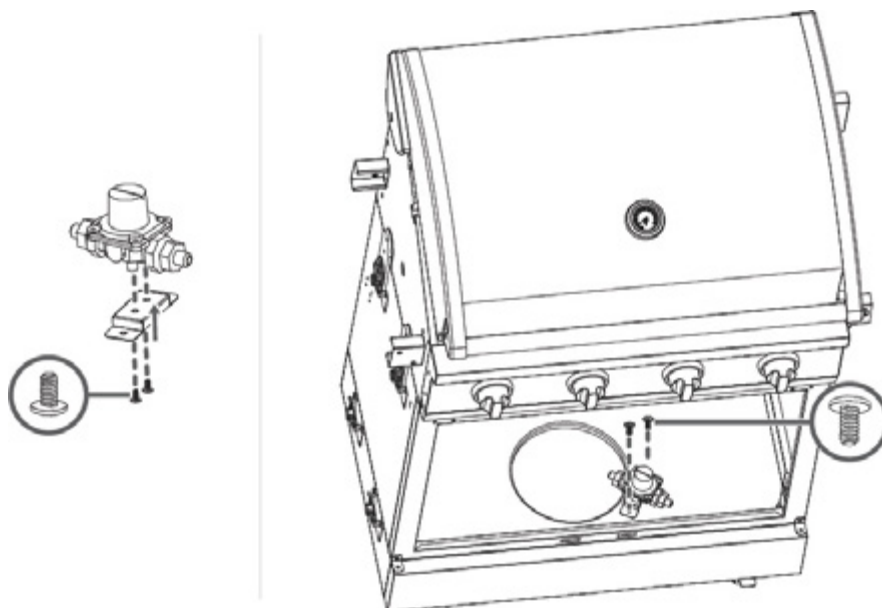
9. For Grill with Sear/ Side Burner only: Remove the control knobs, then insert a flathead screwdriver into each control knob hole and turn counterclockwise twice to allow natural gas to flow. Turning this will allow Natural gas to flow when it is connected .

Warning

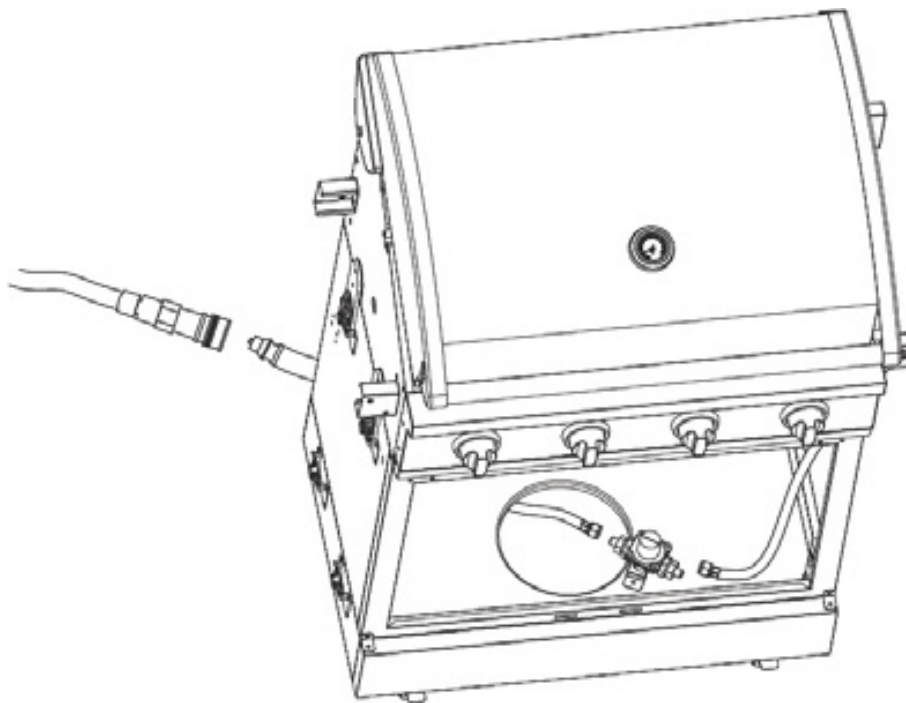
Failure to turn the control knob counterclockwise 2 times will result in low heat setting working improperly.



10. Use two screws to install the natural gas regulator onto the bracket, then attach the bracket to the bottom of the grill box with two additional screws.



11. Connect to the natural gas line.



12. Reinstall the four flame tamers, two cooking grates, and warming rack .

13. Typical NG Grill Pipe Installation . Hose Requirements.

- The TYTUS Grills conversion kit is designed to ONLY fit TYTUS LP convertible Grills and Grill Islands the manufacturer offers.
- If the hose becomes worn or damaged, please contact the customer service.

Figure 1
(For Natural Gas Model Only)

