

Propane to Natural Gas Conversion

Model: Crescent II

Conversion Instructions

This conversion shall be installed by a qualified service agency.

Any damaged valve components should not be installed. If a valve or regulator has been dropped or appears to have been modified, the valve or regulator should not be installed.

Conversion Component list:

- NG Burner Orifice #52DMS
- Pilot Orifice
- Gas Valve Regulator
- NG Label
- Natural Gas Conversion Plate

CAUTION: THE GAS SUPPLY SHALL BE SHUT OFF PRIOR TO DISCONNECTING THE ELECTRICAL POWER BEFORE PROCEEDING WITH THE CONVERSION.

WARNING:

This Conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable code and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with the kit.

Procedure for conversion:

1. Turn off power to module and valve.
2. Turn off gas to valve.
3. Remove the lava rock, clear rocks, logs and burner. Remove the burner and log by removing the two screws at the right side of burner holding the pilot bracket. Then remove two screws holding the burner with logs on far right and left corner of the burner. (see figure 1)

NOTE: Fireplaces with serial number 0021179425 or higher will only have one pilot screw and no burner screws to remove.

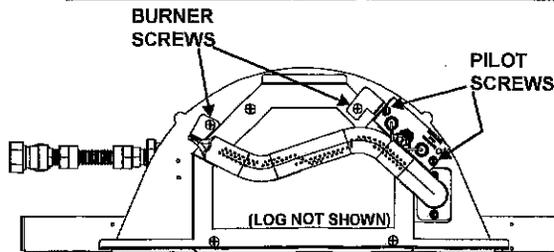


Figure 1.

4. Using a #20 tamper-proof Torx, remove the regulator and rubber gasket on face of valve (see Figure 2). Discard both the regulator and gasket. Remove green wire from regulator.
5. Install the new regulator with the new rubber gasket included in the conversion kit (see Figure 2). Leave green wire disconnected at this point.

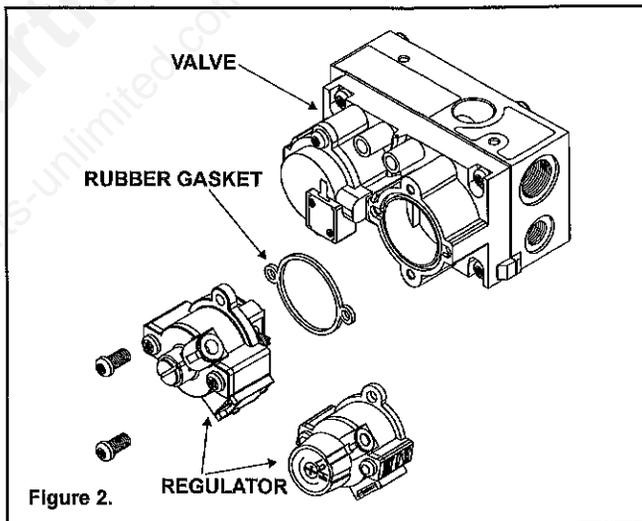


Figure 2.

6. To convert the MAXITROL regulator remove the hex nut on top of regulator. On the hex nut there is a regulator pin. The regulator pin will need to be flipped over to NG. To remove the pin hold the pin with a pliers and pull loose from the hex nut. Then install pin back in the hex nut with NG showing. Reinstall the hex nut on the MAXITROL regulator (see Figure 3).

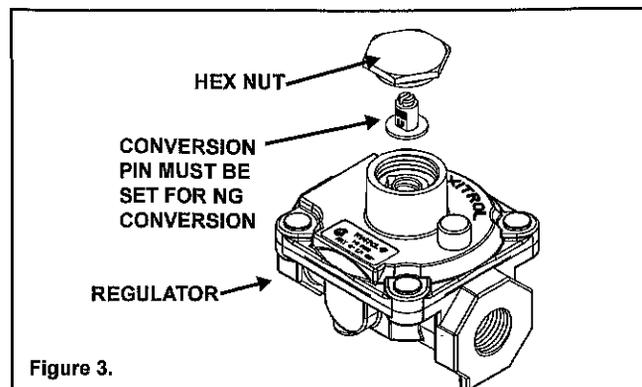
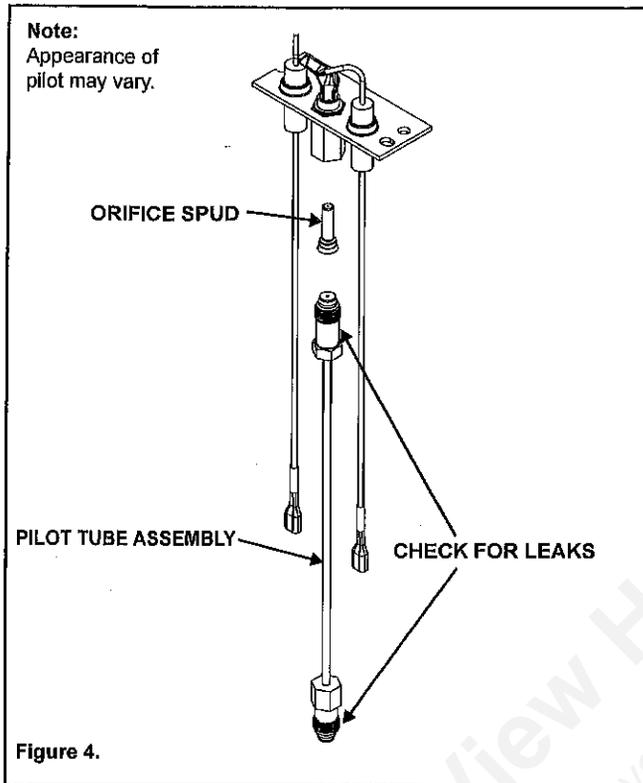


Figure 3.

7. Replace the LP burner orifice with the NG burner orifice included in the kit. Change the air shutter on the burner to 1/16 inch open.
8. Unscrew the pilot tube fitting on the pilot and replace the orifice spud with the one included in the conversion kit (see Figure 4). Retighten pilot tube.



9. Place the round NG label over the round LP label on the bottom base pan. Place the Natural Gas Conversion Plate adjacent to the existing rating plate.
10. Turn on power to module and valve.

NOTE: The qualified service agency installing this conversion **MUST** enter the day, month, and year, and sign the conversion plate added to this appliance.



⚠ WARNING

Shock or burn risk.

- Disconnect green wire from gas valve. Failure to disconnect green wire could result in severe burns.

Natural Gas Appliance Specifications

- Inlet Gas Pressure: Minimum: 5.0 in. w.c., Maximum: 14.0 in. w.c.
- Manifold Gas Pressure: 3.5 in. w.c.
- Maximum Input Rate: 11,500 BTUH 0-2000 Ft.
10,350 BTUH 2000-4000 Ft. (In Canada)

NOTE: Input rate should be reduced by 4% for each 1000 feet above a 2000 foot elevation in the U.S.A. or 10% for elevations between 2000 and 4000 feet in Canada.

11. Turn on fireplace with the green wire disconnected from the valve.
12. Use a commercially available, non-corrosive leak check solution to test for leaks around the pilot. Be sure to rinse off all leak check solution following testing. See Figure 4 for leak check points. Extinguish the pilot.
13. Reinstall green wire on valve.
14. Reinstall the burner. Position the air shutter on the burner neck onto the orifice. Reinstall the screw holding the burner and pilot in place.
15. Light the pilot and burner and use a commercially available, non-corrosive leak check solution to test for leaks around the pilot. Be sure to rinse off all leak check solution following testing and prior to placing the appliance into operation. Extinguish the pilot and burner.
16. Reinstall the logs, grate, lava rock and clear rock by following the log placement instructions.
17. Reinstall the glass.
18. Turn on fireplace to check for proper burner flame pattern.
19. Verify that both pilot and burner go out when the green wire and orange wire are disconnected from gas valve.
20. Verify that the signed and dated conversion plate has been added to appliance.

Verify the performance of the ignition system.

1. Verify pilot sparks, pilot lights, pilot stops sparking, and the main burner turns "ON"
2. Turn fireplace OFF. Verify that the both the pilot and burner turn "OFF".
3. Repeat Step 1 above.
4. With burner "ON", remove green wire connected to valve. The main burner should shut "OFF".
5. Reattach green wire to valve, and the main burner should turn back "ON".
6. With the main burner "ON", remove orange wire connected to the valve. The pilot and burner should go out, and the pilot will start to spark.
7. Turn fireplace "OFF" and reattach orange wire to the valve.