

**KIT #607NGK**  
**CONVERSION KIT FROM PROPANE TO NATURAL GAS FOR MODELS**  
**534EAP, 534XAP, 738BVP AND 739DVP**

Once converted to NG, this appliance is certified for use from 0-4500ft. For altitudes above 4500ft see local codes

**Rating** Maximum 24,000 Btu/hr  
 Minimum 6,500 Btu/hr

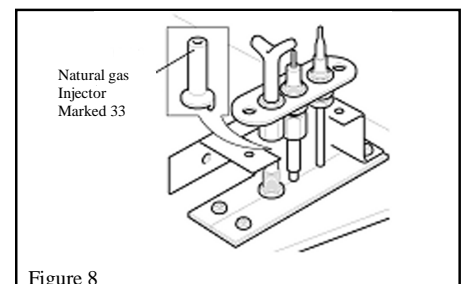
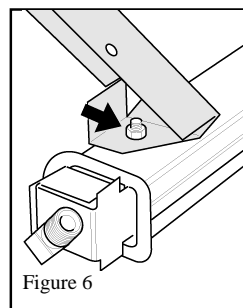
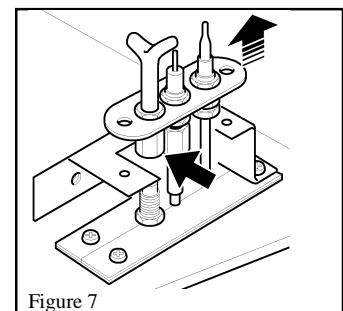
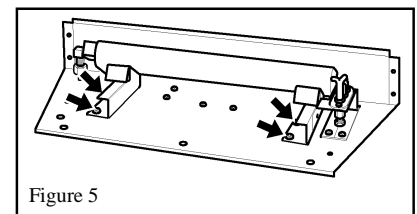
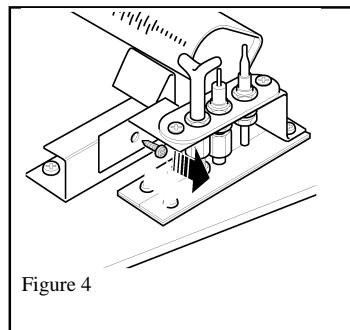
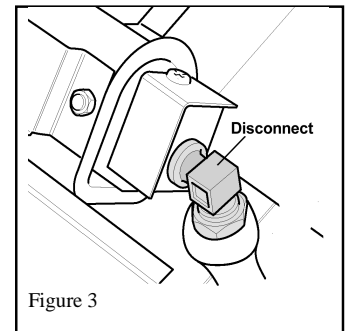
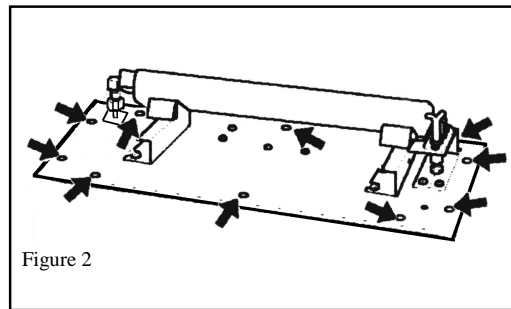
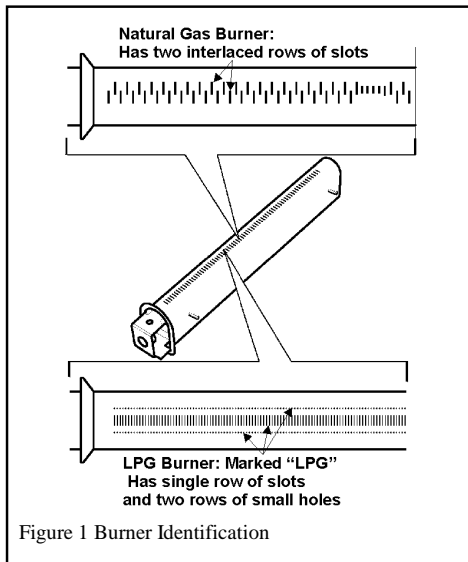
**Kit Contents**

- 1 Pilot injector (Marked 33)
- 1 Burner unit including injector marked 650 (See figure 1 for identification)
- 1 Special bit for control cover screw
- 1. Set of conversion labels

**WARNING**

This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes 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.

**Conversion Procedure for Model 534**



1. Detach the burner module by removing 10 screws. See figure 2.
2. Disconnect the burner elbow injector from the pipe, using a 11/16"(17mm) wrench. See figure 3.
3. Remove the screw securing the pilot bracket to the burner support bracket. See figure 4.
4. Detach the burner unit by removing four screws. See figure 5.
5. Detach the two burner support brackets from the burner by removing two nuts, using a 5/16"(8mm) wrench. See figure 6
6. Disconnect the pilot unit from its bracket by removing two screws. See figure 7.
7. Disconnect the pilot pipe, using a 7/16"(11mm) wrench. See figure 7.
8. Remove the pilot injector. Replace with Natural Gas injector. See figure 8.
9. Replace main burner with Natural Gas burner assembly supplied and reassemble module.
10. Remove the valve control cover screw using the special bit provided. See figure 9.

11. Lever off the control cover using a screwdriver or similar. See figure 10.
12. Refit the module to the appliance.
13. Fit the aeration shutter for natural gas set fully closed. See figure 11.
14. Check the pilot position relative to the burner. See figure 12. Check ignition spark (refer to main instructions).
15. Turn on gas supply and check for leaks using soap solution. The minimum and maximum gas supply pressure are 5" and 10.5" w.c. and can be verified using the inlet supply pressure test tapping. See figure 13.
16. Using a small straight blade screwdriver, back off the plug screw within the manifold pressure test tapping. Fit a manometer to the manifold pressure test tapping. See figure 13.
17. Light the appliance and turn up to full fire. Check for leaks downstream of the valve. Adjust the manifold pressure setting screw to 3.9" w.c. (See figure 14)
18. Turn appliance off. Remove the manometer and tighten the test tapping screw. Refit the control cover, ensuring that it's clipped over the nib (See figure 10).
19. Fit the data conversion label and signed conversion label close to the rating plate. Fit the control conversion label near the controls.
20. Check that the appliance operates correctly. Refer to main instructions.

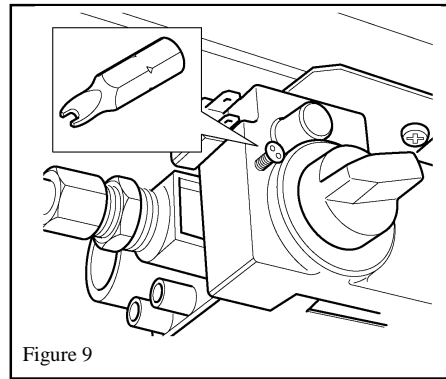


Figure 9

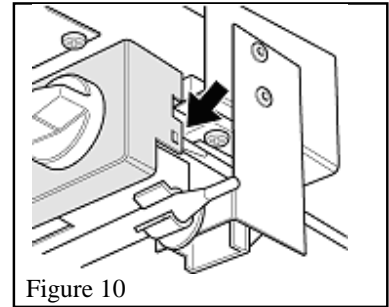


Figure 10

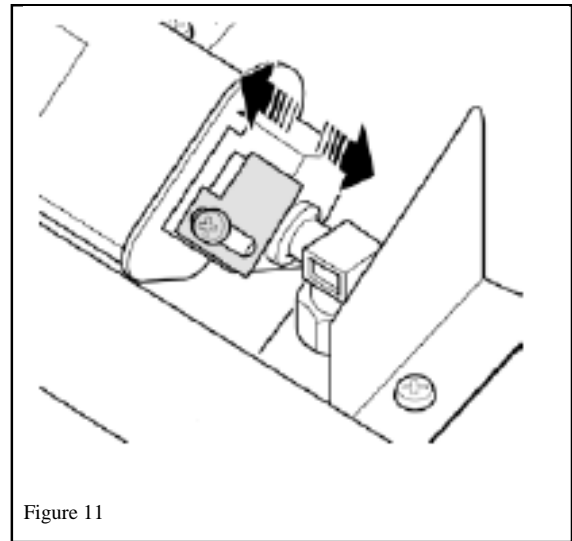


Figure 11

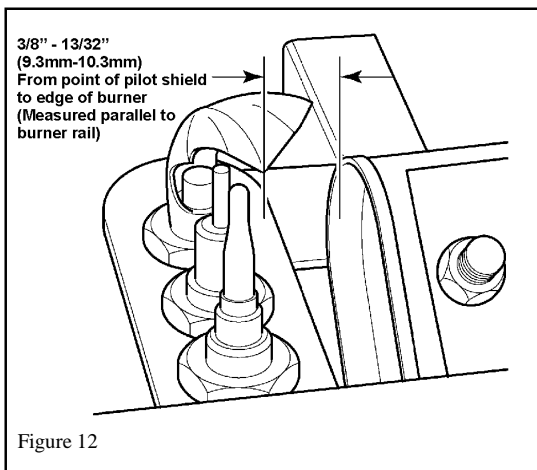


Figure 12

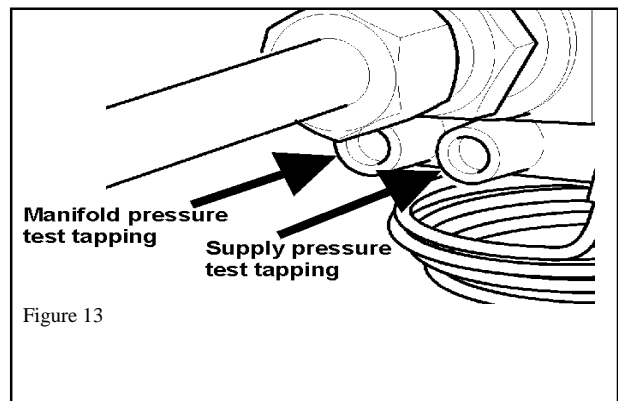


Figure 13

21. If necessary (rarely required) adjust the aeration shutter as described in the appliance instructions.

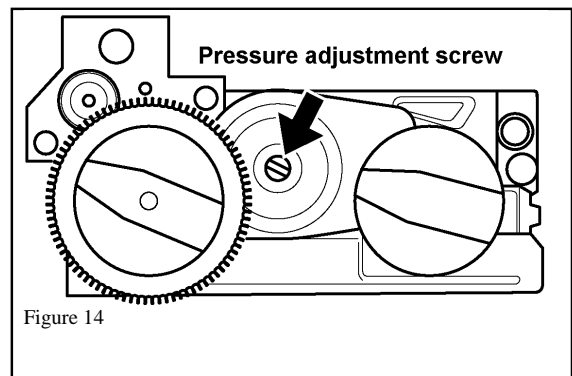


Figure 14

## Conversion Procedure for models 738 and 739

1. Remove the log support bracket from the burner module plate. See figure 15.
2. Detach the burner module by removing 4 screws on the 738 and 12 screws on the 739. See figure 16.
3. Disconnect the burner elbow injector from the pipe, using a 11/16"(17mm) wrench. See figure 3.
4. Detach the burner unit by removing five screws, four on top face and one on the underside. See figure 17.
5. Detach the two burner support brackets from the burner by removing two nuts, using a 5/16"(8mm) wrench. See figure 6
6. Disconnect the pilot unit from its bracket by removing two screws. See figure 18.
7. Disconnect the pilot pipe, using a 7/16"(11mm) wrench. See figure 7.
8. Remove the pilot injector. Replace with Natural Gas injector. See figure 8.
9. Replace main burner with Natural Gas burner assembly supplied and reassemble module.
10. Remove the valve control cover screw using the special bit provided. See figure 9.
11. Lever off the control cover using a screwdriver or similar. See figure 10.
12. Refit the module to the appliance.
13. Fit the aeration shutter for natural gas set fully closed. See figure 11.
14. Check the pilot position relative to the burner. See figure 12. Check ignition spark (refer to main instructions).

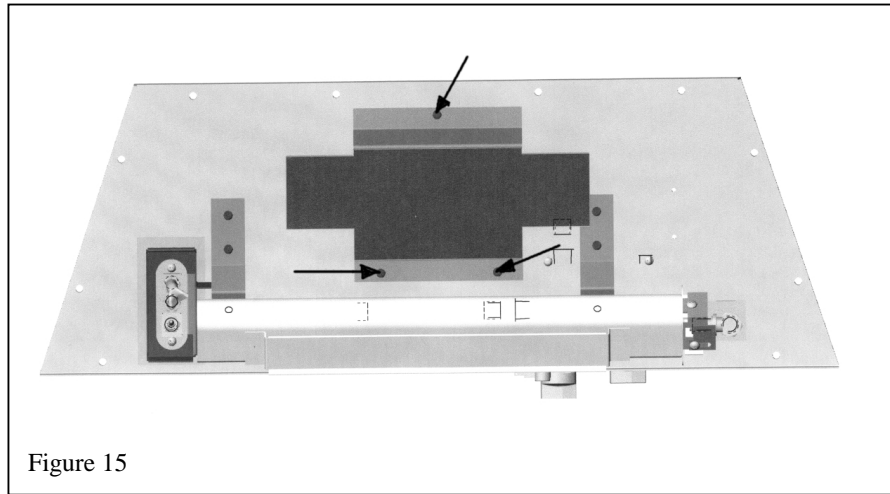


Figure 15

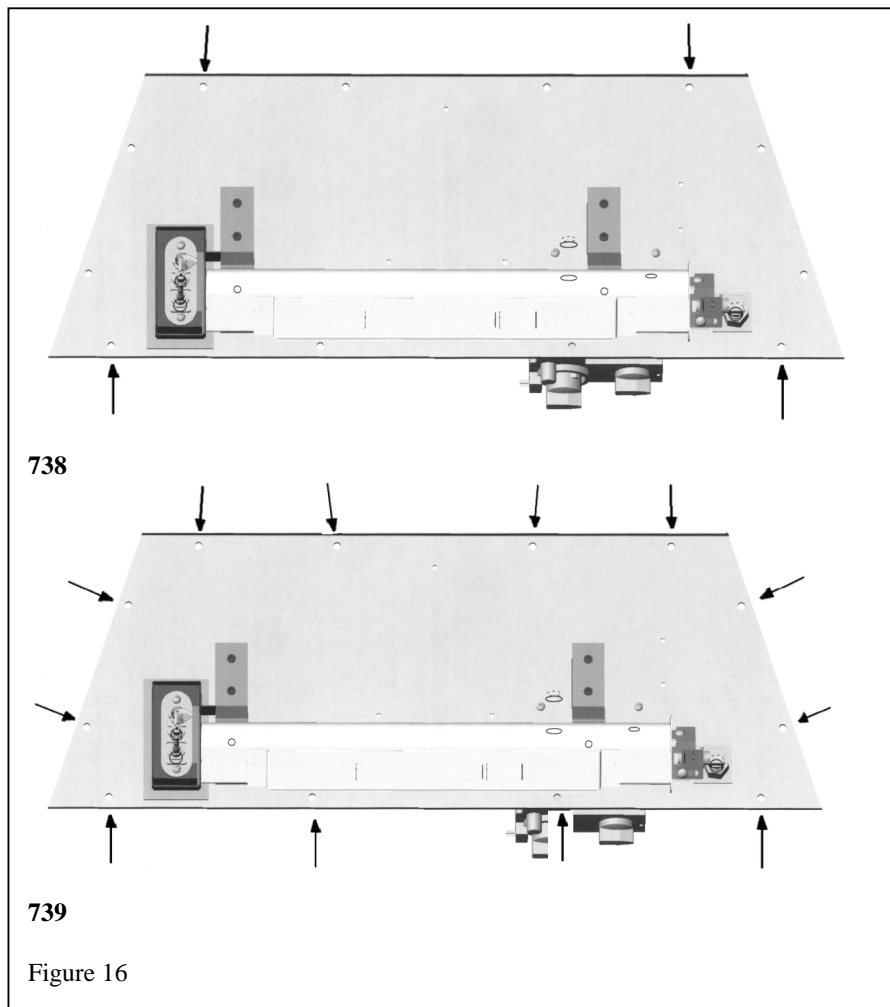


Figure 16

15. Turn on gas supply and check for leaks using soap solution. The minimum and maximum gas supply pressure are 5" and 10.5" w.c. and can be verified using the inlet supply pressure test tapping. See figure 13.
16. Using a small straight blade screwdriver, back off the plug screw within the manifold pressure test tapping. Fit a manometer to the manifold pressure test tapping. See figure 13.
17. Light the appliance and turn up to full fire. Check for leaks downstream of the valve. Adjust the manifold pressure setting screw to 3.9" w.c. (See figure 14)
18. Turn appliance off. Remove the manometer and tighten the test tapping screw. Refit the control cover, ensuring that it's clipped over the nib (See figure 10).
19. Fit the data conversion label and signed conversion label close to the rating plate. Fit the control conversion label near the controls.
20. Check that the appliance operates correctly. Refer to main instructions.
21. If necessary (rarely required) adjust the aeration shutter as described in the appliance instructions.

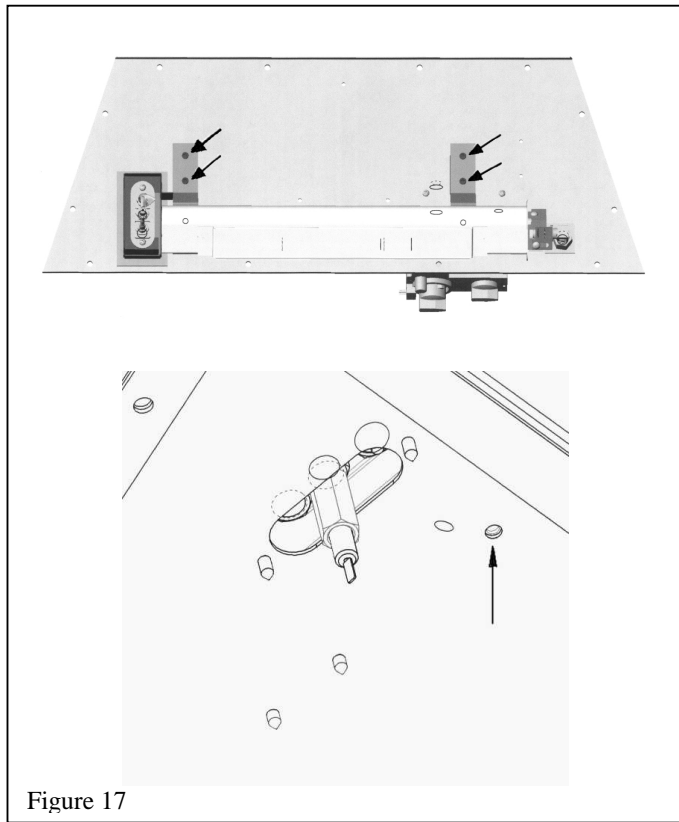


Figure 17

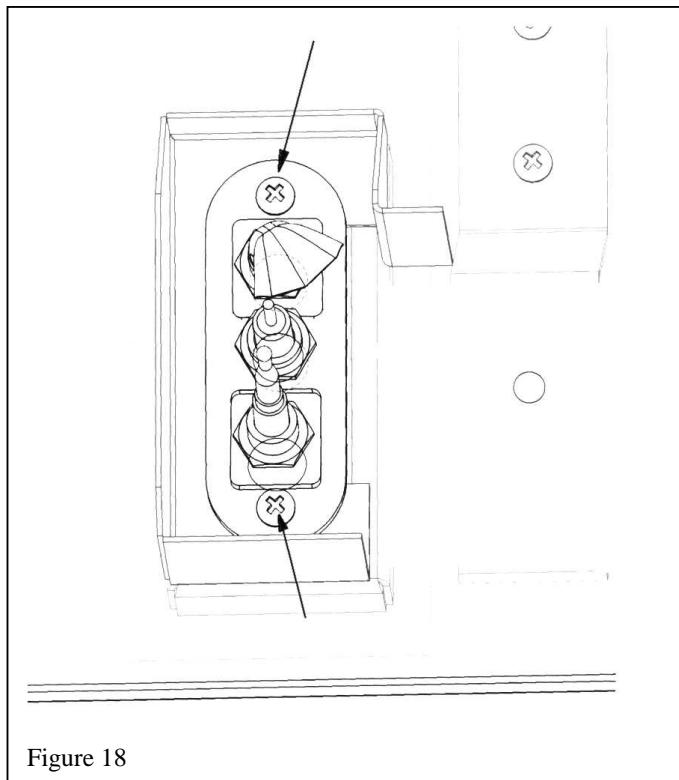


Figure 18