

SPECIAL INSTRUCTIONS FOR WHITE RODGERS 36G22 GAS VALVE

ADJUSTMENT

OUTLET PRESSURE REGULATOR ADJUSTMENT

These controls are shipped from the factory with the regulator set as specified on the control label.

Consult the appliance rating plate to ensure burner manifold pressure is as specified. If another outlet pressure is required, follow these steps.

NOTE

36G22M Model (standard) has a range of adjustment of 2.5 – 5.0 inches W.C. for NATURAL gas or 7.0 – 12.0 inches W.C. for LP gas.

36G22M Model (limited adjustment)

This valve cannot be adjusted beyond reg. setting specified on the control label.

REFER to valve control label for reg. or manifold pressure setting.

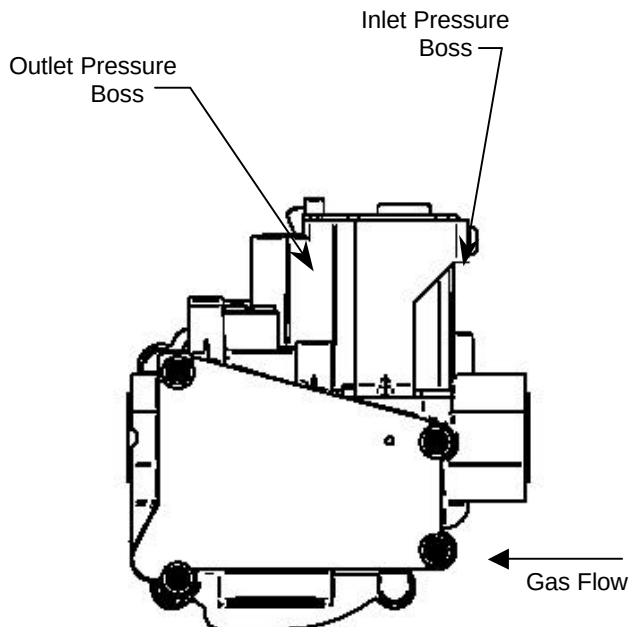


Figure 1

1. Turn off all electrical power to the system.
2. Using a 3/32 inch hex wrench, loosen outlet pressure tap screw (located in outlet pressure boss, see fig. 1) one turn (screw need not be removed).
3. Attach a 5/16 inch hose and manometer to the outlet pressure boss of the valve (see fig. 1). Hose should overlap boss 3/8 inch.
4. Turn on system power and set thermostat to call for heat.
5. Using a leak detection solution or soap suds, check for leaks at hose connection. Bubbles forming indicate a leak. SHUT OFF GAS AND FIX ALL LEAKS IMMEDIATELY.
6. Remove regulator cover screw and turn regulator adjust screw clockwise (?) to increase pressure, or counterclockwise (?) to decrease pressure (see fig. 2). Always adjust regulator to provide the correct pressure according to the original equipment manufacturer's specifications listed on the appliance rating plate. Replace regulator cover screw and tighten securely.
7. Turn off all electrical power to the system.
8. Remove manometer hose from the outlet pressure boss.
9. Tighten outlet pressure tap screw to seal pressure port (clockwise, 13 in-lb minimum).
10. Turn on system power and set thermostat to call for heat.
11. Using a leak detection solution or soapsuds, check for leaks at pressure boss screw. Bubbles forming indicate a leak. SHUT OFF GAS AND FIX ALL LEAKS IMMEDIATELY.

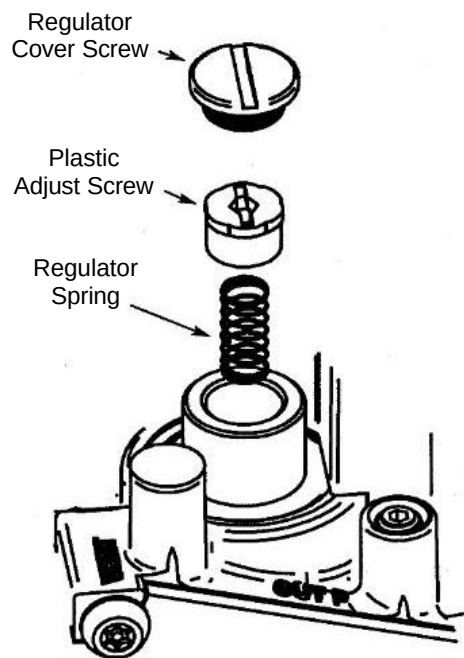


Figure 2

INLET PRESSURE READING



CAUTION

Inlet pressure tap is directly connected to gas supply regardless of valve switch position. Failure to follow this procedure exactly could result in a fire or explosion hazard.

PROCEDURE:

12. Turn valve switch to "OFF" position.
13. Shut off gas supply upstream of valve.
14. Using a 3/32 inch hex wrench, loosen inlet pressure tap screw (located in inlet pressure boss, see fig. 3) one turn (screw need not be removed).
15. Attach a 5/16 inch hose and manometer to the inlet pressure boss of the valve (see fig. 3). Hose should overlap boss 3/8 inch.
16. Turn on gas supply to valve.
17. Using a leak detection solution or soap suds, check for leaks at hose connection. Bubbles forming indicate a leak. SHUT OFF GAS AND FIX ALL LEAKS IMMEDIATELY BEFORE PROCEEDING TO NEXT STEP.
18. Read manometer. This reading is the system inlet pressure.
19. Shut off gas supply upstream of valve.
20. Remove manometer hose from inlet pressure boss.
21. Tighten inlet pressure tap screw to seal pressure port (clockwise, 13 in-lb minimum).
22. Using a leak detection solution or soap suds, check for leaks at pressure boss screw. Bubbles forming indicate a leak. SHUT OFF GAS AND FIX ALL LEAKS IMMEDIATELY.
23. Turn valve switch to "ON" position.

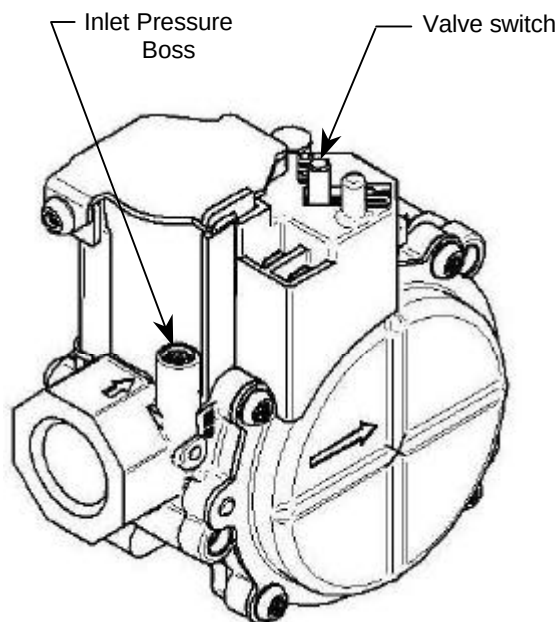


Figure 3