



# GAS CONVERSION KIT INSTALLATION INSTRUCTIONS

FOR CONVERSION TO PROPANE GAS

DIRECT VENT GAS FIREPLACE CONVERSION KITS	
DVCP36(PP,SP)30-1 CONVERSION KIT	DVCP36(PP,SP)70-1 CONVERSION KIT
Part Number 35396	Part Number 35398

## **⚠ WARNING**

This conversion kit is to be installed by an Empire Comfort Systems, Inc., distributor (or other qualified agency<sup>1</sup>)\*in accordance with the manufacturer's instructions and all codes and requirements of the authority having jurisdiction. Failure to follow instructions could result in serious injury or property damage. The qualified agency performing this work assumes responsibility for this conversion.

<sup>1</sup>National Fuel Gas Code Z223.1 (Latest Edition)

\*The term "qualified individual, firm, corporation or company which either in person or through a representative is engaged in and is responsible for (a) the installation of gas piping or (b) the connection, installation repair, or servicing of equipment, who is experienced in such work, familiar with all precautions required, and has complied with all the requirements of the authority having jurisdiction.

## CHECK SAFETY SHUTDOWN PERFORMANCE

## **⚠ WARNING**

Perform the safety shutdown test anytime work is done on a gas system to avoid the possibility of fire or explosion with property damage, personal injury or loss of life.

## SAFETY SHUTDOWN SYSTEM

### Continuous Ignition Systems (Standing Pilot)

1. Place gas control knob in PILOT position. Main burner should go off and pilot should remain lit.
2. Extinguish pilot flame. Pilot gas flow should stop within 30 seconds. Safety shut-off of pilot gas proves complete shutdown since safety shut-off valve blocks flow of gas to main burner and pilot.
3. Relight pilot burner and operate system through one complete cycle to make sure all controls operate properly.

### Intermittent Ignition Systems (Intermittent Pilot)

100% Shut-Off IP Second Lockout

PARTS LIST			
PART DESCRIPTION	CONVERSION KIT - 35396	CONVERSION KIT - 35398	QUANTITY SUPPLIED
Pilot Orifice	R7658	R10426	1
Main Burner Orifice	P210	P210	1
LP Flue Restrictor	36008	36008	1
SIT Gas Valve Conversion Kit	R7657	R11169	1
Gas Conversion Label	2139	2139	1

**Tools Needed:** Standard Screwdriver, 1/4" Hex Driver, 5/16" Hex Driver, 3/8" and 1/2" Wrenches

**Gas input for direct vent fireplace insert converted to Propane Gas:**

- DVCP36(PP,SP)30 32,000 Btu per hour
- DVCP36(PP,SP)70 32,000 Btu per hour

The direct vent gas fireplace when converted to Propane Gas will have a manifold pressure approximately 10.0" w.c. (2.49kPa) for a maximum input or 4.9" w.c. (1.220kPa) for a minimum input at the valve outlet with the inlet pressure to the valve from a minimum of 11.0" w.c. (2.739kPa) for the purpose of input adjustment to a maximum of 13.0" w.c. (3.235kPa).

**INSTRUCTIONS FOR CONVERSION**

1. If the fireplace insert is installed, turn OFF gas and electric supply to fireplace before making gas conversion.
2. Remove access panel below glass; lift and pull away from fireplace.
3. Release the two glass frame spring clamps beneath one of the two glass frames.
4. Remove the glass frame and screen frame as an assembly.
5. Remove logs from burner assembly.
6. Remove the ten screws around the burner perimeter, and remove the false floor from the burner assembly.
7. Remove the four screws retaining the burner to the burner base, and remove burner.
8. Remove Natural Gas main burner orifice from orifice fitting.
9. Install Propane Gas main burner orifice into orifice fitting:
  - for DVCP36(PP,SP)30, Orifice is **MARKED #51**
  - for DVCP36(PP,SP)70, Orifice is **MARKED #51**
10. Pull upward on pilot hood to remove and gain access to pilot injector orifice.
11. Remove Natural Gas pilot injector orifice from pilot burner with 5/32" hex (Allen) wrench.
12. Insert Included Propane Gas pilot injector orifice into pilot burner using a 5/32" hex wrench.
13. Re-install pilot hood to pilot assembly. Push downward to snap in place.
14. For DVCP36(PP,SP)30 only, convert gas valve as instructed in S.I.T. Propane Gas Valve Conversion Kit.
15. For DVCP36(PP,SP)70 only, remove Natural Gas valve from manifold pipe and replace with included Propane Gas valve.
16. Adjust air shutter setting to 3/16" open (1/8" with 40ft. vertical vent).
17. Replace the burner assembly on to the burner base.
18. Replace the false floor to the burner.
19. For vertically vented installations only, replace the flue restrictor with included Propane Gas flue restrictor.
20. Replace log set.
21. Replace glass and screen frames, and lower access panel.
22. The converted fireplace must be connected to a supply of the conversion gas and checked for leaks at all connections.