



GAS CONVERSION INSTRUCTIONS DIRECT-VENT GAS FIREPLACE KITS

CONVERSION KITS: DVCT30CBN95N, PART NO. 38289 AND DVCT35CBN95N PART NO. 38499

FOR CONVERSION TO PROPANE GAS

⚠ WARNING

This conversion kit must be installed by an Empire Comfort Systems, distributor (or other qualified agency¹)*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 conversion assumes responsibility.

1National Fuel Gas Code Z223.1 (Latest Edition)

⚠ WARNING

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

CHECK THE SAFETY SHUTDOWN PERFORMANCE

Intermittent Pilot System

1. Turn "OFF" using remote control. Main burner and pilot should go off.
2. Pilot gas flow should stop within 30 seconds.

PARTS LIST

Part Description	Conversion Kits		Quantity Supplied
	38289	38499	
Main Burner Orifice, Front	P326 (#59)	P320 (#57)	1
Main Burner Orifice, Rear	P312 (1.20 mm)	P308 (1.40 mm)	1
SIT Gas Valve Conversion Kit	R11382	R11382	1
Gas Conversion Label	1224	1224	1

TOOLS NEEDED:

- Standard screwdriver
- 5/16 inch hex driver
- 7/16 inch deep socket
- 1/4 inch hex driver
- 7/16-inch wrench

GAS INPUT FOR DIRECT VENT FIREPLACE CONVERTED TO PROPANE GAS:

DVCT30CBN95P - 28,500 BTU per hour	DVCT35CBN95P - 35,000 BTU per hour
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The direct-vent gas fireplace when converted to Propane Gas will have a manifold pressure of approximately 10.0 inches w.c. (2.49kPa) at the valve outlet with the inlet pressure to the valve from a minimum of 10.8 inches w.c. (2.68kPa) for the purpose of input adjustment to a maximum of 14.0 inches w.c. (3.484kPa).

INSTRUCTIONS FOR CONVERSION

1. If fireplace is installed, turn OFF gas and electric supply to fireplace before making gas conversion. Allow fireplace to cool completely.
2. Remove barrier screen, glass door, logs and embers, and liners. (See Homeowner's Manual, Log Set Instructions, and Liner Instructions).

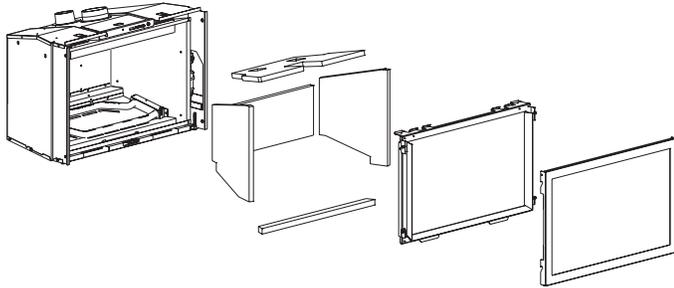


Figure 1

3. Remove front and rear burners by removing screws on left and pulling out towards left side. See Figure 2.

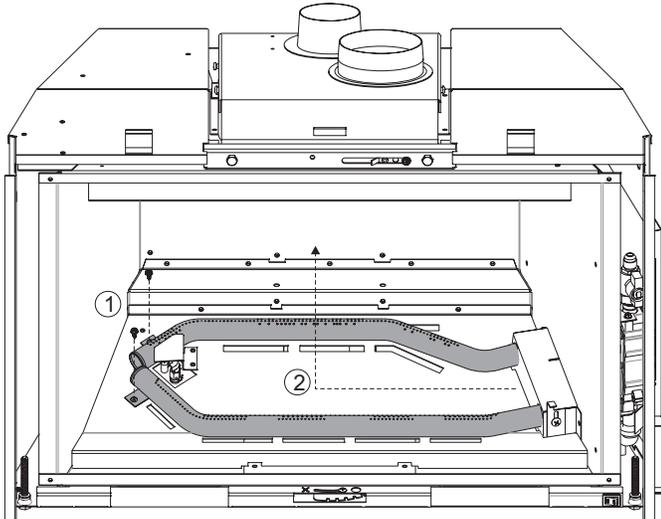


Figure 2

4. Remove (2) screws holding pilot assembly to burner pan. This will allow pilot assembly to drop. See Figure 3.

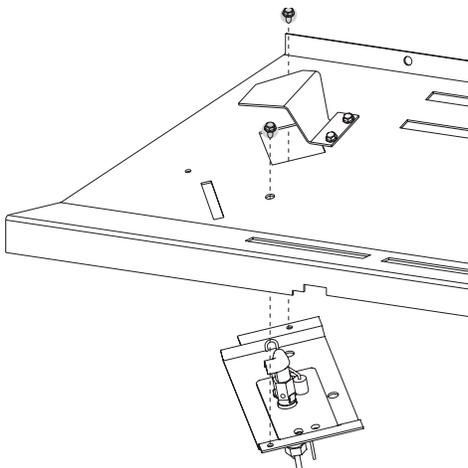


Figure 3

5. Remove (2) screws holding burner base in place. Lift burner base out of firebox. See Figures 4 and 5.

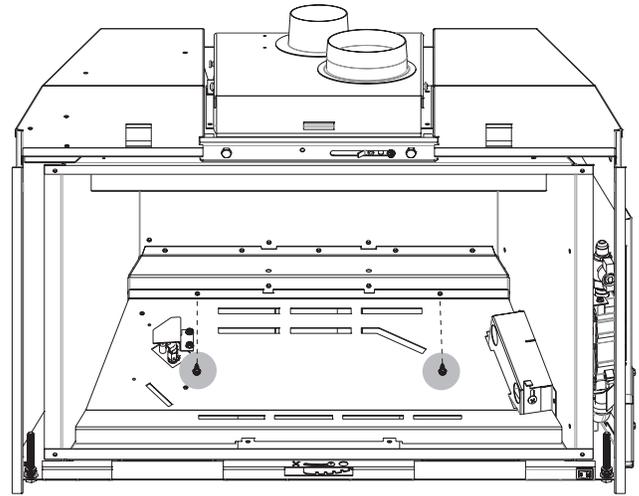


Figure 4

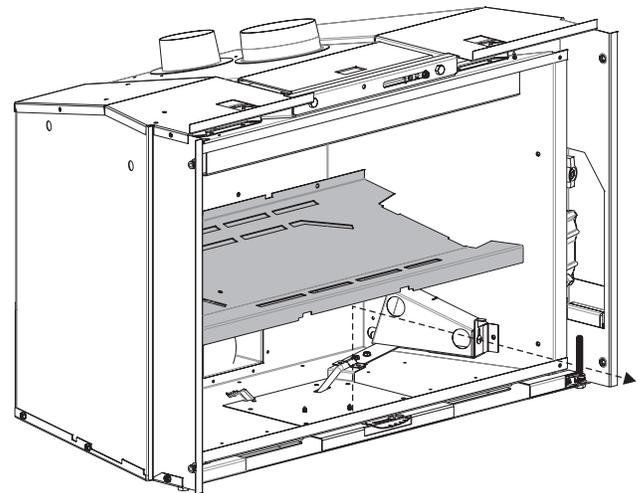


Figure 5

6. Use needle-nose pliers to remove targets by rotating them counterclockwise and discard. See Figure 6.

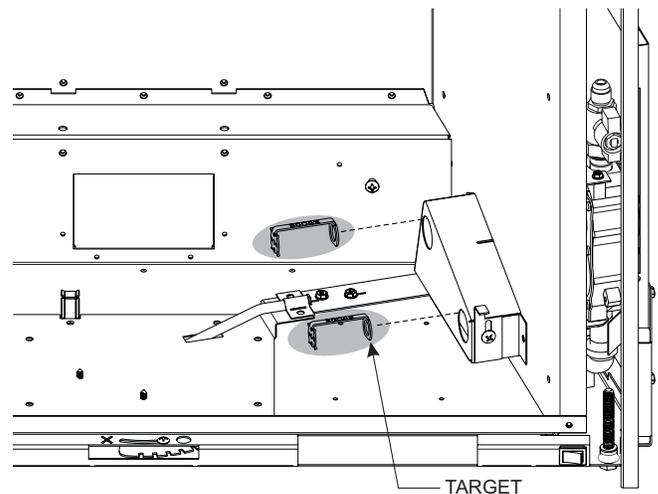


Figure 6

7. Use a 7/16 inch deep socket wrench to remove front and rear orifices.

- 8a. Use a 7/16 inch deep socket wrench to install orifice marked 1.20 mm in rear orifice holder and #59 in front orifice holder (30 only).
- 8b. Use a 7/16 inch deep socket wrench to install orifice marked 1.40 mm in rear orifice holder and #57 in front orifice holder (35 only).

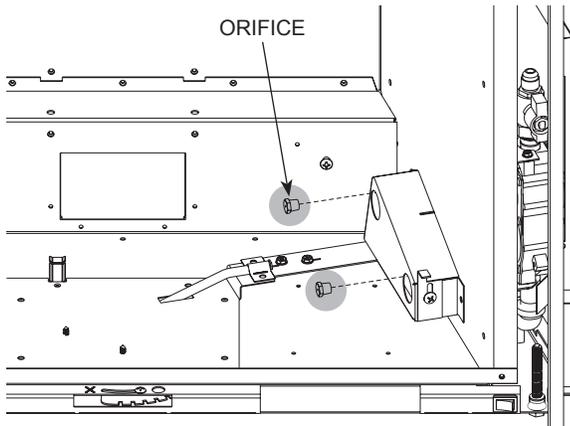


Figure 7

9. Loosen rear air shutter screw and rotate handle to the right until full open is achieved. Tighten screw. **See Figures 8 and 9.**
10. Loosen the front air shutter screw and lower the air shutter until it stops. Then tighten the screw. **See Figure 10.**

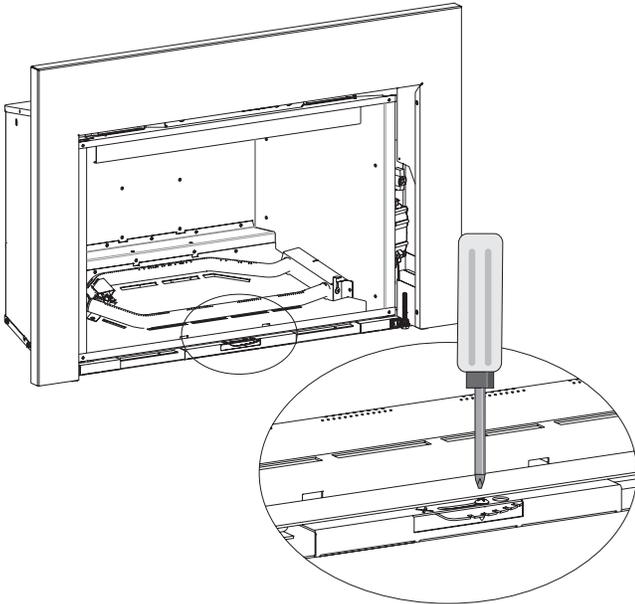


Figure 8 - Rear Burner Air Shutter

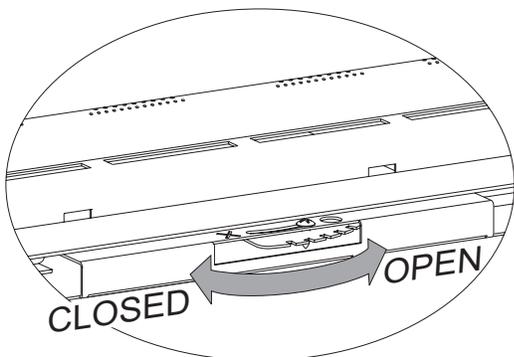


Figure 9 - Rear Burner Air Shutter

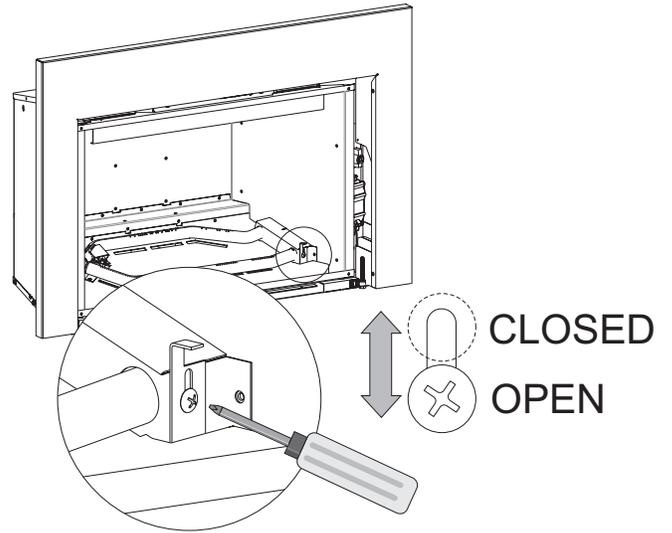


Figure 10 - Front Burner Air Shutter

11. Using a 7/16 inch open wrench, loosen pilot body by slightly turning counter-clockwise. Slide orifice bracket to other side and tighten pilot body clockwise. **See Figure 11.**

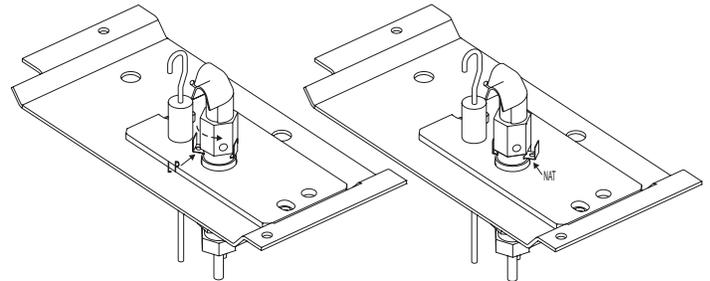


Figure 11

12. Replace items removed in steps 2-5 in reverse order.
13. Adjust damper and air shutter for perfect burn.
14. Gas conversion completed.

Check the main burner flame and pilot burner flame for proper flame characteristics, as outlined in the Installation Instructions.

Verify Input Rate of Converted Fireplace

Check the input of the fireplace.

1. Turn off all other gas appliances. Clock the gas meter and determine the number of seconds required to consume one cubic foot of gas.
2. $3600 \div \text{time (in seconds)} = \text{cu. Ft. per hour}$.
3. Then $\text{cu. Ft. per hour} \times \text{heating value of gas} = \text{input rate (Btu/hr)}$. On installation without gas meters, check manifold for proper pressure.

If fireplace is not installed or product card has not been returned to Empire Comfort System's, check off type of gas converted to on the card. Also indicate conversion by adding "Conv." behind type of gas.



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If you have a general question
about our products, please e-mail
us at info@empirecomfort.com.

If you have a service or repair
question, please contact your dealer.