

Piezo Envelope Assembly

PART NO. 396079

INSTALLATION INSTRUCTIONS

APPLICATION

The 396079 Piezo Envelope Assembly is a replacement device used with the VS8420/21 and VS8510/20/21 gas valves, that allows manual lighting of the pilot burner. The piezo is mounted on the gas valve and lights the pilot burner by creating a spark when the plunger is depressed. The connecting wire includes a terminal to connect to the electrode of the pilot burner.

The piezo envelope assembly includes the piezo, cover and 2-screws.

INSTALLATION

When Installing this Product...

1. Read these Instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check the ratings given in the Instructions and on the product to make sure the product is suitable for your application.
3. Installer must be a trained, experienced service technician.
4. After installation is complete, check out product operation as provided in these Instructions.

Mounting and Wiring the Piezo

IMPORTANT

This installation requires working within the combustion chamber, follow instructions carefully.

1. Turn the knob on the gas valve to the OFF position. See Fig. 1.
2. Disconnect pilot burner wire from piezo wire.
3. Remove the two screws from the cover.
4. Remove and discard the existing; cover, piezo and screws.
5. Replace the existing piezo with the new piezo.
6. Place the new cover over the new piezo.
7. Screw the new screws into the new cover.
8. Connect the pilot burner wire to the piezo wire.

Pilot Lighting Test

1. Turn the knob on the gas valve counterclockwise  to the PILOT position, push the knob down, and hold in position. The pilot valve opens and allows gas to flow to the pilot burner.
2. Push the plunger on the piezo until the pilot burner is lit. Hold down the knob until a strong flame is present (approximately 60 seconds).
3. Release the knob. The shaft will move upward and engage the safety valve lever that opens the safety valve.
4. Turn the knob counterclockwise  to the ON position. On a call-for-heat, the main valve opens and the main burner ignites.

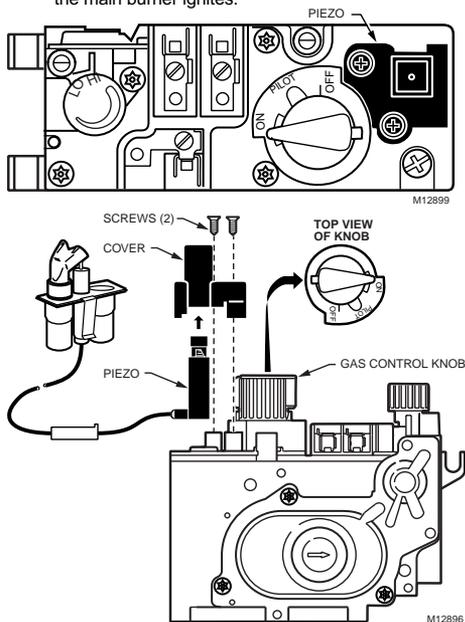


Fig. 1. Exploded view of the piezo assembly and pilot burner connection with VS8520 gas valve.

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