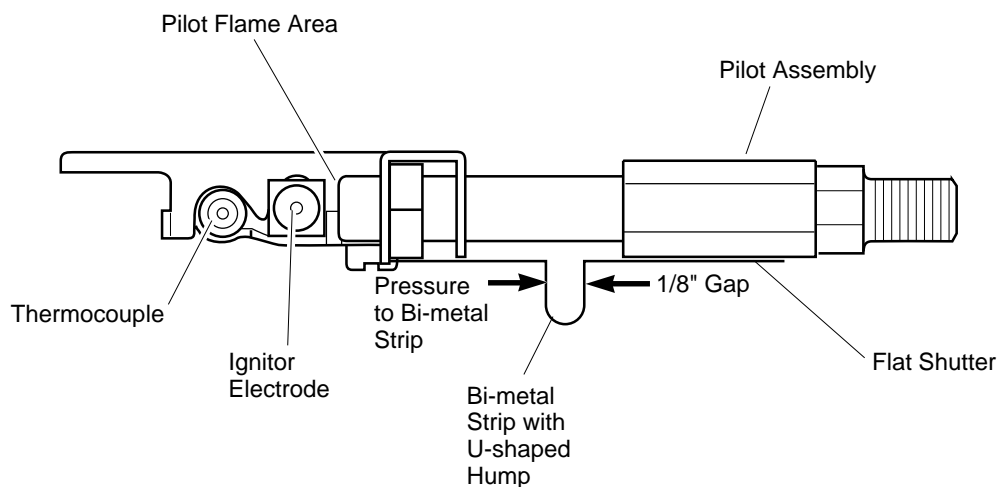


# Cold Choke Adjustment Instructions for "Hump-Back" Pilot on Vent-Free Gas Products

The bi-metal cold choke on your unit's pilot assembly opens and closes with the temperature, much like the choke on a car. If the cold choke opens too far, an excessive amount of air will flow through the pilot and cause it to be unstable. This will cause the thermocouple to cool and the unit will shut off. If your vent-free unit is shutting down after a short period of time or if the pilot is going out when the unit cycles back to pilot on thermostat units, you may need to make an adjustment to the bi-metal cold choke.

The process for adjusting the cold choke is as follows:

1. Hold the flat shutter tight against the pilot assembly .
2. Using pliers, squeeze the u-shaped hump on the back of the bi-metal strip together until there is an 1/8" gap.
3. The flat shutter must sit tight against the pilot assembly when adjustment is complete.



This adjustment process must be completed after maintenance or cleaning has been performed to insure proper setting of the cold choke.

For more information on the care and maintenance of your unit, refer to your owner's manual, call DESA International at 1-866-672-6040, or visit our web page at [www.desatech.com](http://www.desatech.com). You may also register your product on-line at this address.

**DESA**<sup>™</sup>  
**INTERNATIONAL**  
2701 Industrial Drive  
P.O. Box 90004  
Bowling Green, KY 42102-9004  
[www.desatech.com](http://www.desatech.com)

108658-01  
Rev. B  
02/02