

Product Bulletin

VALVE / PILOT TROUBLESHOOTING PROCEDURE

MODELS AFFECTED:

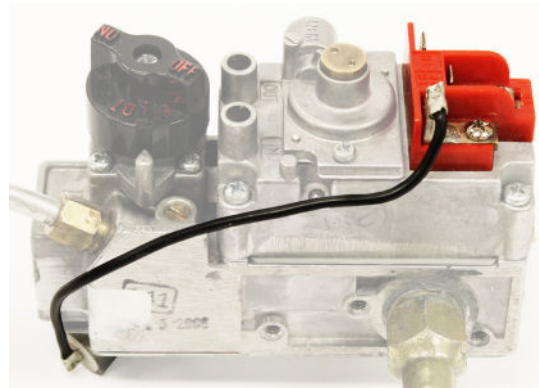
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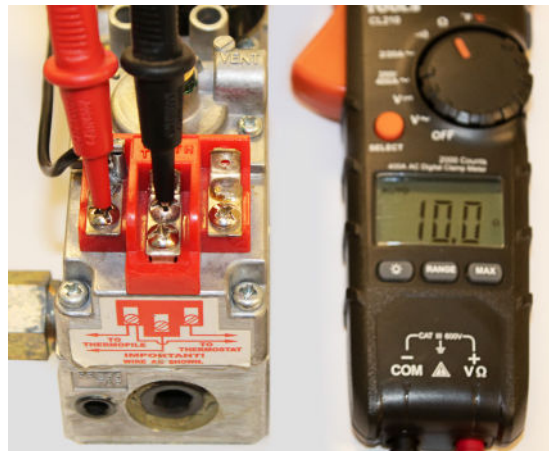
THERMOPILE SAFETY MAGNET

The THERMOPILE SAFETY MAGNET will always have a jumper plugged into both the safety magnet and TH/TP terminal.



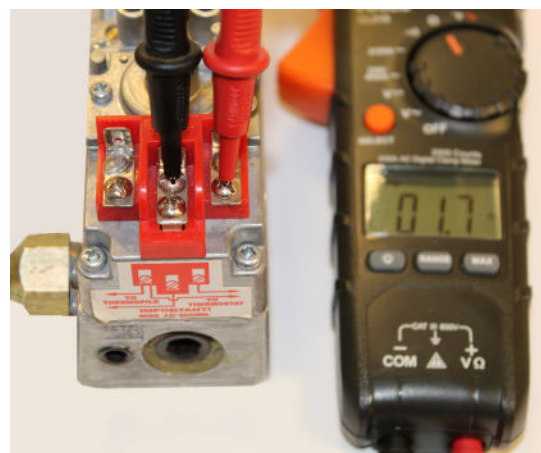
THERMOPILE SAFETY MAGNET TEST

Disconnect all other wiring from the gas valve and turn the multimeter to the Ohms position. Now place the BLACK lead on the TP terminal and the RED lead on the TH/TP terminal for the SAFETY MAGNET Ohms reading. The reading should be between 9-11 Ohms.



VALVE ACTUATOR HEAD TEST

With the valve wiring still disconnected, remove the THERMOPILE SAFETY MAGNET wire as well. Place the BLACK lead on the TP terminal and the RED lead on the TH terminal for the valve actuator head Ohms reading. The reading should be between 1.5 - 1.7 Ohms. Replace all wiring back on the gas valve.



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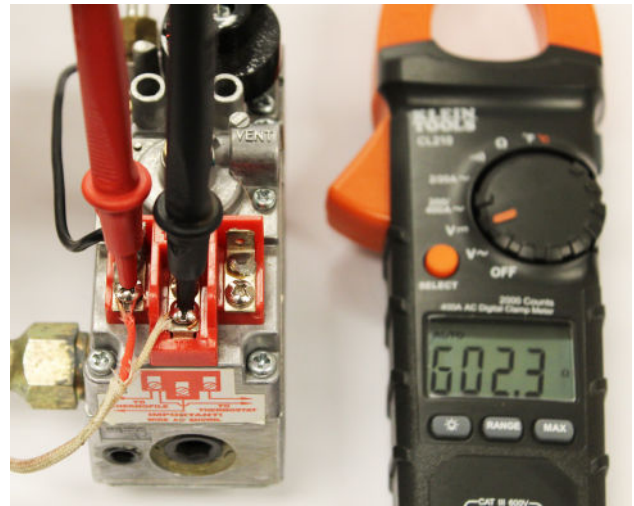
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VALVE / PILOT TROUBLESHOOTING PROCEDURE

CONTINUED

THERMOPILE OUTPUT IN PILOT POSITION AND PILOT OPERATING POSITION WITH MAIN BURNER ON

To check the pilot mV input signal using a multimeter set on mV DC, place the RED lead on the TH/TP terminal and place the BLACK lead on the TP terminal. The reading with only the pilot on should be in the range of 325 - 750 mV. The reading with both the pilot and main burner on should be a minimum of 120 mV.



THERMOSTAT TEST

In order to rule out a faulty thermostat, remove the front cover and unscrew the wires from the terminals and attach both wires together. Replace wiring and front cover after this is completed.

