



Rasmussen[®]
THE GAS LOG COMPANY

Addendum to Vent - Free "S" Instructions

Assembly instructions for Operation of Millivolt System



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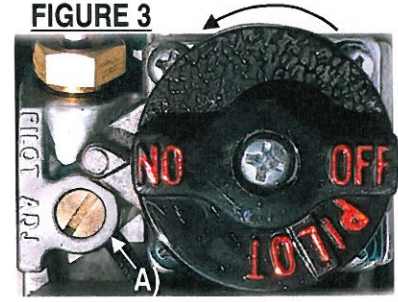
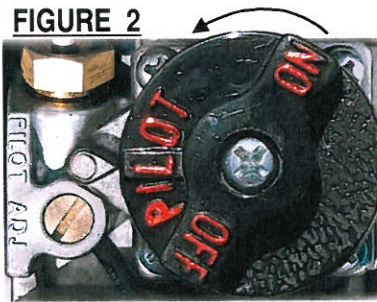
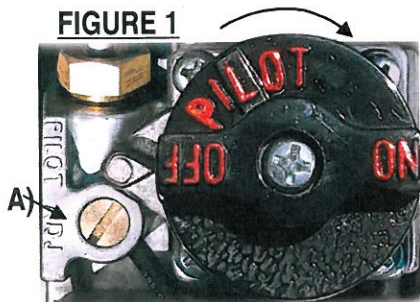
S models for Vent - Free burners
8/21/2012

MILLIVOLT SWITCH LIGHTING AND OPERATION "S"

NOTE: The **Valve Knob** has complete control of gas to pilot and burner. The **Valve Knob** cannot be turned to "OFF" without first depressing knob in "PILOT" position and then rotating clockwise to "OFF".

STEP ONE: Pilot Lighting (Remote Valve):

1. Depress and turn **Valve Knob** clockwise to "OFF" position. (Figure 1)
2. Set Accessory Control (Figure 4) to "OFF" (Switch or Remote Control) or to lowest temperature setting (Thermostat)
3. Wait at least 5 minutes to allow gas which may have accumulated around burner to escape.
4. Turn **Valve Knob** counter clockwise to "PILOT" position. (Figure 2)
5. Depress and hold **Valve Knob** until air is bled and gas flows to pilot.
6. Light pilot (Figure 21). Continue to hold in the **Valve Knob** until the pilot flame remains lit when knob is released (approximately 60 to 90 seconds). If Pilot does not remain lit, repeat steps 1 through 5 and allow more time after pilot lighting before releasing knob.
7. Turn **Valve Knob** to "ON". (counter clockwise Figure 3) (Black terminal wire removed to allow unobstructed view)



ADJUSTING BURNER FLAME HEIGHT USING THE REMOTE VALVE

Flame size at the burner is adjustable at the **Gas Valve Knob**. Turn the **Valve Knob** counter clockwise for more flame, clockwise for less flame.

For **Complete Shutdown (Including Pilot)**: Slightly push and turn **Valve Knob** to "OFF".

Switch Accessory Wiring: Wiring from the Accessory Control (Remote, Thermostat or Switch) is connected to the **outside terminals** (Figure 5A and 5B) of the **Control Selector Switch** (Figure 4 and Figure 5C).

NOTE: Wire length for Thermostat, Remote or Controls should no exceed 20 feet. Thermostat wiring should be 20 AWG Type CL2

Switch Accessory Operation: Place the **Control Selector Switch** (Figure 19) in the "REMOTE ACCESS ON" position. Burner "ON" or "OFF" is now controlled by the position of the accessory control being used with the burner. Individual operating instructions for each Remote Accessory Option are included with the accessory.

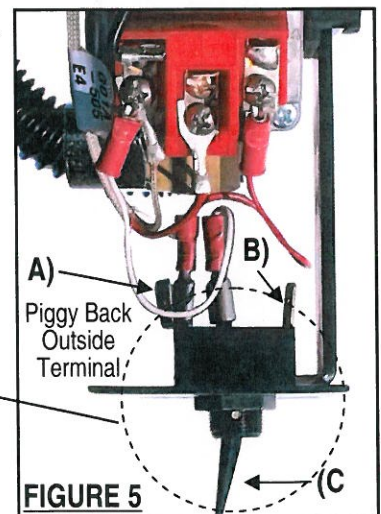
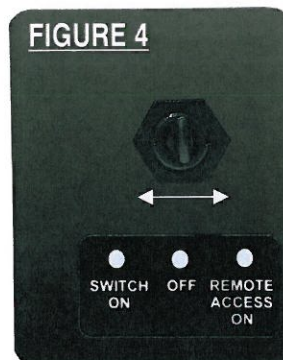
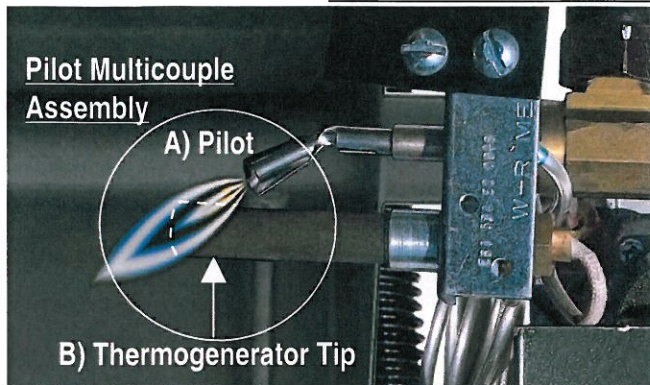


FIGURE 6

STEP TWO: PILOT ADJUSTMENT (Switch and Remote Valve)

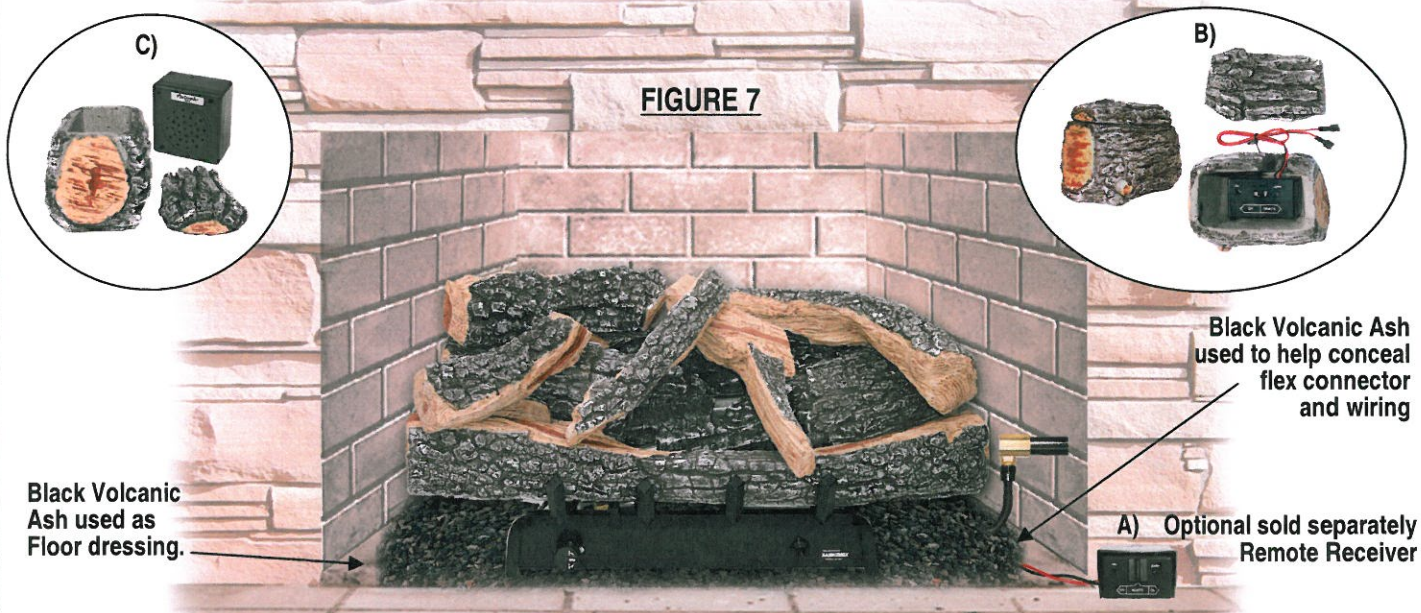


1. The Pilot flame should be steady and soft blue, surrounding the **THERMOGENERATOR TIP** (Figure 6B).
2. If pilot flame adjustment is necessary, use a narrow long stem flathead screwdriver to turn **PILOT ADJUSTMENT SCREW** (Figure 1A) above.
3. Turn clockwise for less flame, counterclockwise for more.
4. If after pilot adjustment the burner begins to shutdown, re-adjust for a longer pilot flame.

Connecting Accessory Controllers: Using the 20' accessory control wiring attached to the two **outside terminals** of the valve block (Figure 5A and 5B), connect the **Switch Control Accessory Option** (Remote, Thermostat, Switch, etc.) to valve.

REMOTE RECEIVER PLACEMENT

The Remote Receiver (Figure 7A (This remote system is sold separately) can be adversely affected by heat and must be placed as **far forward and to the side of your CHILBUSTER™ as possible** (Figure 7). Our optional **Ceramic Log House** accessory (RH2) (Figure 7B), offers heat protection for the Remote Receiver while being pleasing to the eye. Also sold separately, is our "Stand Alone Crackler" (CH) which mimics the sound of a crackling fire adding a cozy feel to your log set.



WARNING: Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this heater may result in property damage or personal injury.

