

# HARGROVE GAS LOG

## MILLIVOLT PILOT CONTROL PROPANE CONVERSION KIT

### INSTALLATION INSTRUCTION

(FOR USE WITH PROPANE GAS)

*If you purchased a gas log set for Natural Gas but you will be burning it with Propane Gas, please follow these conversion instructions for proper conversion and operation.*

**NOTE:** ALL PROPANE GAS SETS MUST HAVE A PILOT CONTROL (NOT INCLUDED IN PROPANE CONVERSION KIT). IF YOUR SET DOES NOT HAVE A PILOT CONTROL, CONTACT YOUR GAS LOG DEALER BEFORE INSTALLING OR USING THE GAS LOG SET.

## GENERAL INFORMATION

**DO NOT USE A NATURAL GAS SET FOR PROPANE OR A PROPANE SET FOR NATURAL GAS. WHEN USING PROPANE (LPG) GAS AN AUTOMATIC PILOT SYSTEM MUST BE INSTALLED.**

1. There are many different local codes for gas fire logs. The installation of this set must conform with local codes or, in the absence of local codes, with the National Fuel Gas Code ANSI Z223.1-1984.
2. ***This log set is designed for use with Propane Gas (LPG).***
3. When glass fireplace doors are used always operate gas log set with the doors fully open to allow for proper combustion air.
4. A fire screen must be in place when the log set is in use.
5. The appliance and its individual shut off valve must be disconnected from the gas supply piping system at test pressures in excess of 1/2 psig. The appliance must be isolated from the gas supply piping system by closing its individual manual shut off valve during any pressure testing of gas supply system at test pressures equal to or less than 1/2 psig.
6. Minimum inlet supply pressure for Propane gas is 11" water column. Maximum inlet supply pressure for Propane gas is 13" water column.
7. After burning, the logs become fragile and should not be handled. Knocking or rubbing logs can cause concrete to crumble and is not covered under the warranty.
8. Use a soft, dry paintbrush for periodic dusting of the gas fire logs. Special care must be taken to clean the Birch logs. Rubbing will remove soot but will also remove the white pigments.
9. ***Do not burn wood with this set.***

## NOTE

ADEQUATE FIREPLACE VENTILATION OR DRAFT IS REQUIRED FOR SAFETY.

GAS LOGS MUST BE INSTALLED BY PERSONNEL QUALIFIED FOR INSTALLING GAS APPLIANCES.

READ INSTRUCTIONS FULLY BEFORE INSTALLING OR OPERATING.

INSTALLER, LEAVE THESE INSTRUCTIONS WITH CONSUMER.

## PARTS INCLUDED

PART#	DESCRIPTION
1. AM & AM-N	AIR MIXER & AIR MIXER NUT
2. VM	VERMICULITE
3. RSLP.11 ORIFICE	PILOT ORIFICE
4. PRB 8-6	3/8 FL X 1/2 MIP
5. RSMV-CONVERSION	VALVE CONVERSION



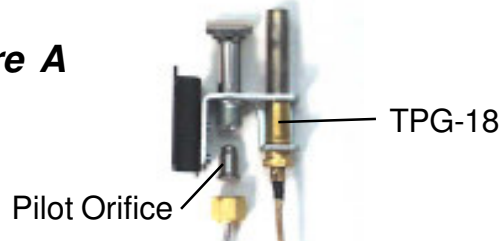
## INSTALLATION AND OPERATION OF PROPANE CONVERSION KIT

- 1) Remove the fire embers and set them aside. Discard the sand from ember burner material.
- 2) Position the burner so the burner pipe is exposed to you as you are looking at it. Install the air mixer (AM) on the right end of the burner pan using pipe dope on the threads. (See Figure B)

- 3) Connect the PRB 8-6 to the AM. (See Figure B)

**Figure A**

- 4) Remove the natural gas pilot orifice from the (TPG-18) thermocouple and pilot burner assembly and replace with the LP pilot orifice. (See Figure A)



- 5) Look at the millivolt valve on the side where the black control knob is. Observe the word "VENT" on a raised portion of the valve. On the side of the valve closest to the word "VENT", use a 3/8" allen wrench to remove the 1/2" plug. Place the removed plug in the port **opposite** of the inlet port.

- 6) Install the RSMV-conversion on the millivolt valve using the Regulator Conversion installation instructions.

- 7) Attach the open 1/2" port on the millivolt valve to the PRB 8-6. The black control knob should be facing forward.

- 8) Refer to the Millivolt Pilot Control Installation Instructions for further pilot control installation steps.

- 9) Spread the vermiculite Embers evenly over the pipe in the ember burner. Vermiculite level should be sloped evenly with the sides of the ember burner pan to give the look of fallen ashes. (See Figure C)

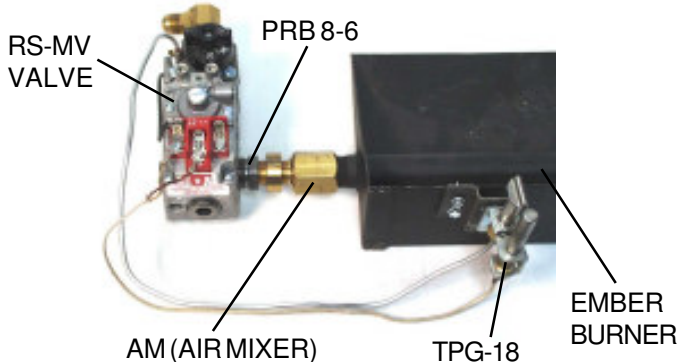
- 10) Part B Embers (rockwool) are placed over the Vermiculite to simulate glowing embers. For best results pinch off pieces of the Part B material the size of a dime and feather it out. Place as much as desired over the area the gas comes through.

- 11) See Millivolt lighting instructions to light pilot burner.

- 9) The color of the flame can be changed by turning the air adjusting nut. When the holes in the air mixer can be seen it is open and the flame will burn a light yellow. This position will produce the least amount of soot. When closed the flame will burn a yellow-orange color and produce more soot. It is recommended that the air mixer be completely open.

**Figure B**

### BACK VIEW OF EMBER BURNER



**Figure C**

### EMBER MEDIA PLACEMENT

