



INSTALLATION AND OPERATION GUIDE FOR HARGROVE GAS LOGS SUMMIT OAK NATURAL GAS



NOTE! ADEQUATE FIREPLACE VENTILATION IS REQUIRED FOR SAFETY.
GAS LOGS MUST BE INSTALLED BY PERSONNEL QUALIFIED FOR
INSTALLING GAS APPLIANCES.
READ INSTRUCTIONS FULLY BEFORE INSTALLING OR OPERATING.
INSTALLERS LEAVE THESE INSTRUCTIONS WITH THE CONSUMER!

Hargrove Manufacturing Corporation uses refractory material to create ceramic logs. Each log is hand finished to assure the most realistic, detailed log available. The gas log burner system is designed to burn like wood with a yellow smoky flame. For this reason the gas log set must be burned only in a fully vented, non-combustible fireplace with the **damper completely open** and the chimney free of any obstructions or restrictions. The fireplace must be designed and approved to burn wood. The minimum permanent, free opening provided by the fireplace chimney must be 8" in diameter (50 square inches). The realistic yellow flame produces carbon monoxide and soot. Under normal conditions these products are exhausted up the chimney. If fumes or soot from the gas burning are evident in the room when the damper is fully open, it indicates that the fireplace draft is defective. Do not operate your gas log set until the fireplace draft is corrected.

**IT IS THE HOMEOWNERS RESPONSIBILITY TO ASSURE
THEIR FIREPLACE HAS ADEQUATE DRAFT.**

WARNING: IF THE INFORMATION IN THIS MANUAL IS NOT FOLLOWED EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.

FOR YOUR SAFETY

IF YOU SMELL GAS:

- 1. OPEN WINDOWS**
- 2. DO NOT TOUCH ELECTRICAL SWITCHES**
- 3. EXTINGUISH ANY OPEN FLAMES**
- 4. IMMEDIATELY CALL YOUR GAS SUPPLIER**

FLAMMABLE VAPORS MAY BE DRAWN BY AIR CURRENTS FROM OTHER AREAS OF YOUR HOUSE TO THIS APPLIANCE.

FOR YOUR SAFETY

DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.

THE SIZE CHART BELOW INDICATES THE MINIMUM SIZE FIREPLACE OPENINGS IN, WHICH DIFFERENT SIZE GAS LOG SETS CAN BE INSTALLED.

FIREPLACE SIZES

GAS LOG SET SIZE	DEPTH	WIDTH
36"	28"	44"
42"	28"	50"
48"	28"	56"

NOTE: PERSONNEL QUALIFIED TO INSTALL GAS APPLIANCES MUST INSTALL GAS LOGS.



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, to the National Fuel Gas Code ANSI Z223.1 1999.
2. **This log set is designed for use with natural gas. Specific orifices are included for this appliance; failure to use the orifices may cause property damage, personal injury or loss of life and will void the manufacturer's warranty.**
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 ½ 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 ½ psig.
6. Minimum inlet supply pressure for Natural Gas is 7" water column. Maximum inlet supply pressure for Natural Gas is 10.5" 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.
9. **Do not burn wood with this set.**

PARTS LIST

Remove all the parts from the shipping container. Your set includes the following parts:

<u>Description</u>	<u>36" Sets</u>	<u>42" – 48" Sets</u>
1. Pedestal Grate	BPG – 30	BPG – 36
2. Ember Burner	EB – 26	EB – 31
3. Secondary Burner	BB – 27	BB – 27
4. Silica Sand	SD-10 (2)	SD-10 (2)
5. Fire Embers	EM (2)	EM (2)
6. Aluminum Connector	1AC-18	1AC-18
7. Fire Logs	*Number of logs are determined by the set size. Logs not illustrated.	
8. Volcanic Cinders	VC	VC
9. 1/2" Black Cap	CAP-8	CAP-8
10. Standard Elbow	50-8-8	50-8-8
11. Mounting Brackets for BB – 27	BB – BR	BB – BR
12. Orifice for BB – 27	PPH – 2 #27	PPH – 2 #27
13. Brass Holder for PPH – 2	49-6-6Z2	49-6-6Z2
14. EB Orifice	28-8-6 #K	28-8-6 #5/16
15. 3-Way Brass Fitting	58-8-6-6	58-8-6-6
16. Aluminum Connector for gas supply to BB – 27	AC-SU36	AC-SU48



UNIT ASSEMBLY

1. Turn gas **off**.
2. Remove old log lighter, ashes, and other material from the firebox.
3. Center the **ember burner** on the fireplace floor with the burner pipe completely visible from the front. For best results, the ember burner should be directly under the flue opening with a minimum of 4" from the front edge of the ember burner to the fireplace opening.
***Assure that all fittings do not leak by using pipe joint compound on all the threads of the parts.**
4. Attach the 1/2" Black Cap (Item 9) to the Ember Burner on the opposite side of the inlet gas supply.
5. Attach the 3 – Way Fitting (Item 15) to the end of the Ember Burner on the inlet gas supply side.

See Figure 1

6. Attach the BB – BR brackets (Item 11) to the rear pedestals on the BPG grate (Item 1) using the #10 x 32 x 2" screws (not illustrated).

See Figure 2

7. Place the BB – 27 burner (Item 3) on the BB – BR brackets so the threaded weld studs align into the slots. Connect the BB – 27 burner to the BB – BR brackets with the provided #8 x 32 nuts. Connect the BB – 27 burner to the 3 – way fitting using the 90 degree aluminum connector (Item 16).

See Figure 3

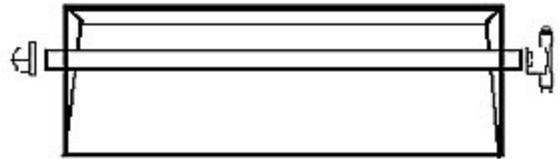


Figure 1

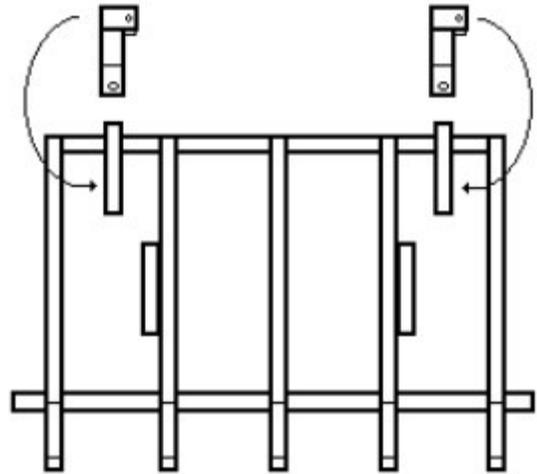


Figure 2

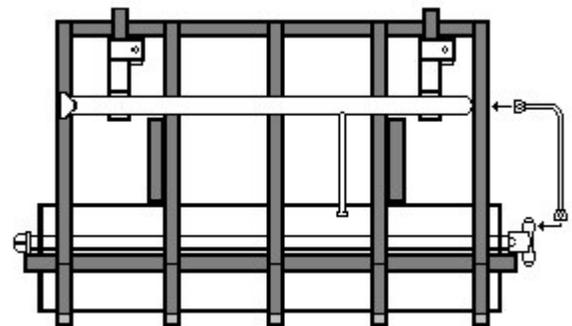


Figure 3

GAS CONNECTION

1. The gas supply line should be 1/2" inside diameter (ID) up to 30 feet.
2. Use the 1AC – 18 (Item 6) to connect the gas supply to the ember burner. When bending the aluminum tubing use proper bending procedures to avoid kinking the tube. (If a safety pilot control is used follow the instructions included for connecting the gas to the pilot control) ***Do not use flexible gas connections with this appliance. Flexible connectors may cause undue noise issues.**
3. Check all connections for leaks using a soapy water solution.
4. Damper must remain fully open during operation. Place a lighted match next to the burner pipe. Do not hold the match in your hand while lighting the gas. Turn the gas supply on slowly until the gas ignites. Check the flame for even distribution, flame height, and gas pressure. After checking the flame, turn off the fire. (Turn the gas valve to the **off** position to turn the fire off.) Do not close the damper until all the flames have died. Keep the glass doors fully open during all burning.

BURNER PAN MEDIA

1. Fill the burner pan with **silica sand**. Sand level should be sloped evenly with the sides of the ember burner.
2. **Part B Embers** (rockwool) are placed over the sand 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. Burner should be completely full and level.
3. Light the gas and observe flame for even distribution. After checking the flame, turn off the fire. (Turn the gas valve to the **off** position to turn the fire off.) Do not close the damper until all the flames have died. Keep the glass doors fully open during all burning.

Refer to the **Pilot Control Lighting Instructions** if installing a **Safety Pilot Control** inside or outside the fireplace.

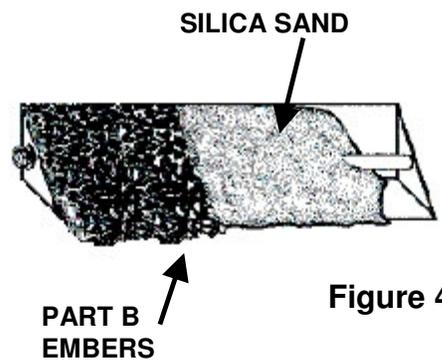


Figure 4

LOG PLACEMENT

1. The longest log is the **middle log**. It should be placed on the center pedestals of the grate with the flat, unfinished side facing down. Assure that the log does not restrict the ignition porting of the BB – 27 burner that angles toward the front and directly behind the log.
2. The second longest log is the **front log**. It is positioned on the front of the grate with the flat side facing toward the center log. It is essential that the flat side is turned facing up and down.
3. The third longest log is the **back log**. It should be placed on the rear pedestals of the grate with the flat, unfinished side facing down.
4. The remaining logs are **top logs**. They should be placed diagonally over the main logs.

(See Figure 4.)

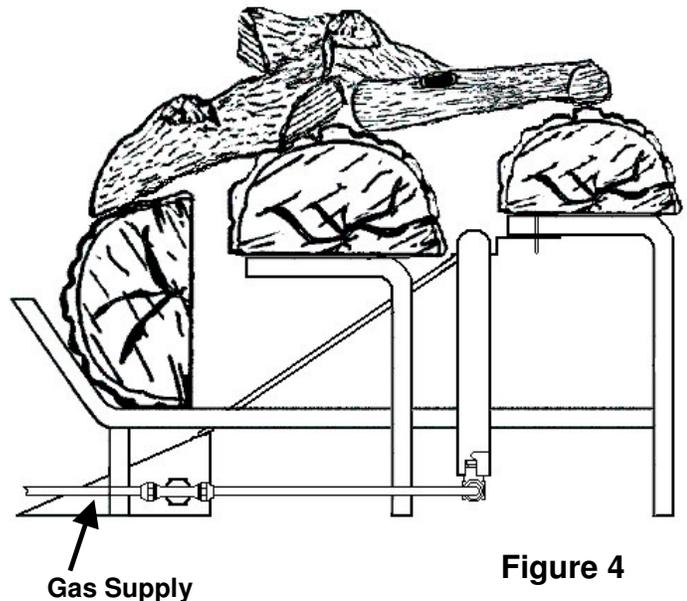


Figure 4

VOLCANIC CINDERS

1. The black **volcanic cinders** are used to cover the fireplace floor, fittings and tubing around the burner system. Although not functional, the black cinders act as a picture frame to show off the glowing embers and yellow flame.
2. The **Part A Embers** can spread over the volcanic cinders and rockwool to look like additional fallen ash under the logs.

FOR YOUR SAFETY

Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the system or gas control that has been under water.

Keep this appliance clear and free from combustible materials, gasoline and other flammable vapors and liquids.