



HARGROVE GAS LOG EMBER ENHANCING SYSTEM (EESD) INSTALLATION INSTRUCTION

GENERAL INFORMATION

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. When glass fireplace doors are used always operate gas log set with the doors fully open to allow for proper combustion air.
3. A fire screen must be in place when the log set is in use.
4. 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.
5. Minimum inlet supply pressure for Natural Gas is 7" water column. Maximum inlet supply pressure for Natural Gas is 10 1/2" water column.
6. 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.
7. 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.
8. ***Do not burn wood with this set.***

ADEQUATE FIREPLACE VENTILATION OR DRAFT IS REQUIRED FOR SAFETY.

NOTE

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

DESCRIPTION	PART#	18"-21" sets	24" -27" sets	28"-30" sets	36" sets
1. Ember Enhancing Burner Pan	EEB-14	EEB-18	EEB-22	EEB-22	EEB-22
2. Fire Embers	EM	EM	EM	EM	EM
3. Volcanic Cinder	VC-3 lb.	VC-3 lb.	VC-3 lb.	VC-3 lb.	VC-3 lb.
4. Sand	SD-5 ½	SD-5 ½	SD 5 ½	DS 5 ½	DS 5 ½
5. Black Cap ¼"	CAP-4	CAP-4	CAP-4	CAP-4	CAP-4
6. ½" FIP X 3/8" OD	50-6-8	50-6-8	50-6-8	50-6-8	50-6-8
7. ¼" FIP X 3/8" FL ELBOW - #40	150-6-4	150-6-4	150-6-4	150-6-4	150-6-4
8. Aluminum Connector 4"	AC-4	AC-4	AC-4	AC-4	AC-4
9. ¼" Pipe Coupling (EESD-30 KITS ONLY)			CO-4	CO-4	CO-4
10. ¼" X 2" Pipe Nipple (EESD-30 KITS ONLY)			N-4X2	N-4X2	N-4X2

INSTALLATION AND OPERATION

Front Burner Flame Height

The orifice drilled in the 150-6-4 is what controls the amount of gas flow to the front EEB burner. It is factory set at a #40 orifice. The #40 orifice should give you a full front ember bed. If you desire more flame from the EEB you can drill the orifice to a larger size. Suggestions: #30 for additional front flame, #20 for large front flame. **IMPORTANT: DRILLING THE 150-6-4 ORIFICE TO A LARGER SIZE MAY ROB FLAME HEIGHT FROM THE MAIN BURNER (EB).**

Burner Assembly (Fig. 1)

NOTE: The Ember Enhancing System (EES) can be attached to either side of the Ember Burner (EB).

- 1) Install the 50-6-8 Brass Elbow on the end of the Ember Burner (EB) with the flared end of the brass facing forward.
- 2) Install the 150-6-4 on the Ember Enhancing Burner (EEB) with the flared end facing backward. **FOR 36" SETS ONLY:** Install the N-4X2 and CO-4 between the 150-6-4 and the Ember Enhancing Burner with the flared end facing backward (See Fig. 3)
- 3) Use the AC-4 to connect the flared ends of the 50-6-8 and the 150-6-4. Both pans should be facing the same direction.
- 4) Install the CAP-4 on the open end of the EEB.

Burner Positioning

- 1) Turn gas off.
- 2) Remove old log lighter, ashes, and other material from the firebox.
- 3) Center the complete burner system on the fireplace floor with the burner pipe from each burner visible from the front of the fireplace.

Gas Connection

- 1) Refer to pg. 3 "GAS CONNECTION" of the Hargrove Natural Gas Installation Instructions.

Burner Pan Media (Fig. 2)

- 1) Fill EB & EEB with sand. Sand level should cover the burner pipe and mound over the EEB so it connects with the sand on the EB. Sand level on the EB should be even with the sides of the burner pan. Place a thin layer of the Part A Embers (vermiculite) on top of the sand.
- 2) Light the gas and observe the flame for even flame distribution.
- 3) Part B Embers (rockwool) are placed over the sand to simulate glowing embers.

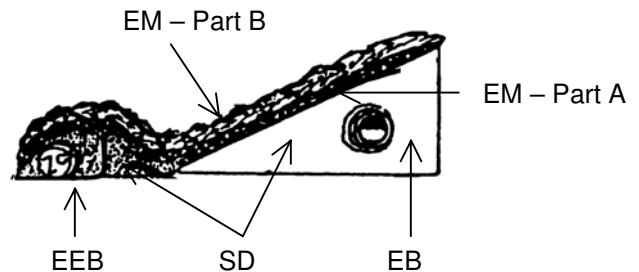
Completing the Installation

To complete the installation refer to pg. 4, "Grate Placement" of the Hargrove Natural Gas Installation Instructions.

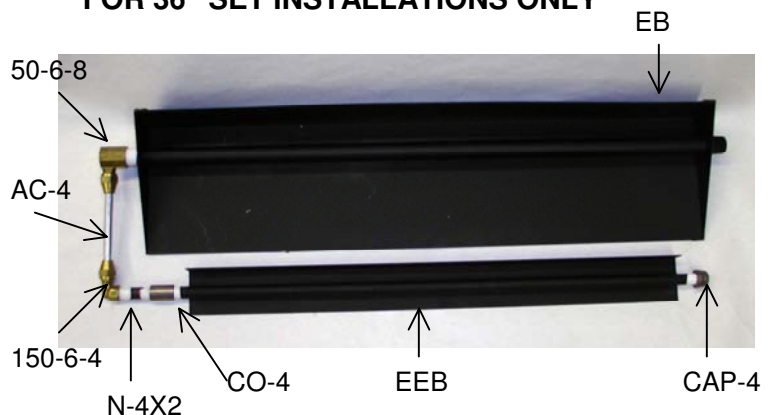
**Figure 1
BURNER ASSEMBLY**



**Figure 2
BURNER PAN MEDIA**



**Figure 3
FOR 36" SET INSTALLATIONS ONLY**



LIMITED WARRANTY

Refractory Logs

Hargrove gas logs carry a limited lifetime warranty against any manufactured defect or breakage when installed indoors. A replacement will be available from the dealer at which the appliance was purchased. This warranty does not cover breakage caused by excessive handling once installed and fired. Outdoor applications carry a one (1) year limited warranty.

Burner & Grate

If the burner or grate fails due to deterioration within two (2) years of the verified purchase date, a free replacement will be made available from the dealer at which the appliance was purchased.

Valves, Remote Controls, & Switching Devices

Hargrove warrants all valves, remote controls and switching devices against manufacturing defects, which appear within two (2) years of the verified purchase date. Warranty does not cover products that have been damaged by misuse from overheating. Before any product is returned a Return Goods Authorization number (RGA) must be issued by Hargrove's Customer Service Department. All returns must be accompanied by an explanation of the problem and all necessary parts.

All Other Parts

If any assembled part should fail to operate or be found defective which appear within two (2) years of the verified purchase date, a replacement will be available from the dealer at which the appliance was purchased.

Buyer shall notify Hargrove Mfg Corp. of any defect covered by this warranty no later than thirty (30) days after defect is discovered. Failure to provide notice within thirty (30) days shall void the limited warranty.

WHAT IS NOT COVERED

1. Removal and reinstallation costs.
2. Labor costs for replacement or repairs.
3. Transportation or shipping cost.
4. The cost of a service call to diagnose trouble.
5. Painted Surfaces.
6. Damage or defect caused by improper installation, accident, misuse, abuse, alteration, or authorized service technician.
7. Replacement of burner or combustion chamber resulting from improper storage of the appliance.

LIMITATIONS AND EXCLUSIONS

1. No one has authority to add to or vary this limited warranty, or to create for Hargrove Manufacturing Corporation any other obligation or liability in connection with this appliance.
2. Any implied warranty applicable to this appliance is limited in duration to the same period of time as this written Warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.
3. HARGROVE MANUFACTURING CORPORATION WILL NOT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, SPECIAL OR CONTINGENT DAMAGES YOU MIGHT SUFFER AS A RESULT OF A CLAIM UNDER THIS WRITTEN WARRANTY OR ANY IMPLIED WARRANTY. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusion may not apply to you.
4. This warranty applies only to the original purchaser and may not be transferred or assigned.
5. If you cannot verify the purchase date of the appliance, the warranty period will begin on the date of which the appliance was manufactured.
6. Replacement or repair parts are warranted for the remaining period of the original part warranty. Warranty parts must be obtained through authorized dealers of this product who will provide original factory replacement parts. Failure to use original factory replacement parts voids this warranty.
7. The maximum liability of Hargrove Mfg Corp. in connection with this limited warranty shall not in any case exceed the contract price paid for the product claimed to be defective or unsuitable.
8. Purchaser or user agrees to hold Hargrove Mfg Corp. harmless from any and all claims by the buyer as a result of injury or damage to an ultimate user or other person caused by the product sold herein by the seller to the buyer, whether the injury or damage results from the assembly, installation, operation, shipment, storage, or manufacture of this product. Hargrove Mfg Corp. makes no warranties, expressed or implied, other than those expressly stated herein.

YOUR DUTIES

This appliance must be installed by a qualified installer, operated and maintained in accordance with all applicable codes and the instructions furnished with the appliance. You must provide a receipt verifying the purchase date of the appliance when making a warranty claim with the dealer from which the appliance was purchased.

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

To register your Hargrove product, please visit our website at <http://www.hargrovegaslogs.com/reg.htm>.

CONTACT INFO: Hargrove Manufacturing Corp.

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