



INSTALLATION AND OPERATION GUIDE FOR HARGROVE Sierra Firepit

WARNING: FOR OUTDOOR USE ONLY

INSTALLER: LEAVE THE INSTRUCTIONS WITH CONSUMER

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.

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS

- 1. Do not try to light any appliance**
- 2. Do not touch any electrical switch; do not use any phone in your building.**
- 3. Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.**
- 4. If you cannot reach your gas supplier, call the fire department.**

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.

This equipment contains a burner orifice specifically for the input gas and Btu rating. Modifying or failure to use the factory orifice may cause property damage, personal injury or loss of life.

This equipment is intended for use with an input of Natural or Propane gas only.

Clothing or other flammable materials should not be hung from the appliance, or placed on or near the appliance.

Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.

Young children should be carefully supervised when they are in the area of the appliance.

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

Covers must be removed when burner is in operation.

For installation on or over noncombustible floors only.

NEVER LEAVE THIS APPLIANCE BURNING WHILE UNATTENDED.

Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required as necessary. It is imperative that the burner and circulating air passageways of the firepit be kept clean.

Storage of the appliance indoors is permissible only if the gas cylinder is disconnected and removed from the appliance.

IMPORTANT INFORMATION

The Firepit must be used for outdoor spaces only. For the purpose of this requirement, an appliance is considered to be outdoors in an open environment or with walls and ceiling no more inclusive than:

- 1. With walls on all sides, but not with a overhead cover.**
- 2. Within a partial enclosure which includes a seven foot overhead cover and no more than two side walls. These side walls may be parallel, as in a breezeway, or at right angles to each other.**
- 3. Within a partial enclosure which includes a seven foot overhead cover and three side walls, as long as 30 percent or more of the horizontal periphery of the enclosure is permanently open.**

***THIS APPLIANCE MAY NOT BE USED INSIDE A BUILDING, GARAGE OR ANY OTHER ENCLOSED AREA!**

1. Do not use a natural gas set for a propane set or a propane set for a natural gas set.
2. There are many different local codes for outdoor fireplaces. The installation and the provision for combustion must conform with local codes and, or in the absence of local codes, with the National Fuel Gas Code ANSI Z223.1 – (most current revision.)
3. The firepit must be installed by personnel qualified for installing gas appliances.
4. Solid fuels are not to be burned where the firepit is installed.
5. The firepit should be examined prior to use and inspected by a qualified agency. The burner should be cleaned annually by a qualified agency.
6. To clean the burner, shut off and disconnect the gas supply, use a pipe cleaner to clean out burner ports and vacuum the inside of the burner by removing the orifice/air mixer fitting from the inlet of the burner. After the burner is cleaned, attach the orifice/air mixer fitting onto the inlet of the burner and reconnect the gas supply. Light according to the “Lighting Instructions”.
7. After burning the log set, they become fragile and should be handled carefully. Knocking or rubbing logs can cause the logs to crumble and is not covered under the warranty.
8. To clean the logs, use a soft dry paintbrush for periodic dusting of the gas fire logs. Special care must be taken to clean the logs because rubbing will remove soot but will also remove the color.
9. If the firepit has a cover, allow the firepit to completely cool prior to covering.
10. The top of the firepit must be fully open and clear of any obstruction prior to igniting the burner system. All covers, caps and lids must be removed before the burner system is in operation.
14. A manual gas valve and 11.0” W.C. pressure regulator must be installed prior to the use of the propane cylinder.

GAS CYLINDERS

1. This appliance shall be used with NATURAL and LP inlet gas supply only. The LP or CNG gas supply cylinder must be constructed and marked in accordance with the specifications for LP-gas cylinders or CNG-gas cylinders of the U.S. Department of Transportation (DOT).
2. The use or storage of the LP or CNG cylinder may not be used in a building, garage or any other enclosed area.
3. Cylinders must be stored outdoors in a well-ventilated area out of the reach of children. Disconnected cylinders must have threaded valve plugs tightly installed.
4. If the appliance is not in use, the gas must be turned off at the supply cylinder.
5. Inspect the hose before each use of the appliance. The hose assembly must be replaced prior to the appliance being put into operation if there is evidence of excessive abrasion or wear, or if hose is damaged. The hose assembly must be replaced with a replacement hose assembly equivalent to, or greater than, rating specified on the original hose.
6. The gas hose shall be located out of pathways where people may trip over it or in areas where the hose may be subject to accidental damage.
7. Never use matches or open flame to test for leaks. Use soapy water or a leak detector.
8. Do not store or use a LP-gas supply cylinder around excessive heat; the cylinder may get too hot or cause the pressure to rise. Store the cylinder in a secure upright position.
9. Cylinders must be fully opened and the pressure controlled by a reducing pressure regulator to operate properly.

ENCLOSURES FOR LP/CNG GAS SUPPLY SYSTEMS

1. Enclosures for LP-gas supply cylinders and CNG-gas supply cylinders must be ventilated by openings at the level of the cylinder valve and at floor level. This may be accomplished by one of the following:
 - a. One side of the enclosure must be open. **See Figure 1**
 - b. For an enclosure having four sides, a top and bottom, at least two ventilation openings at cylinder valve level must be provided in the side wall, equally sized, spaced at 180 degrees and unobstructed. Each opening must have a total free area of not less than 1/2 square inch per pound (3.2sq. cm/kg) of stored fuel capacity and not less than a total free area of 10 square inches (64.5 sq. cm). **Ventilation opening(s) must be provided at floor level** and have a total free area of not less than 1/2 square inch per pound (3.2 sq. cm/kg) of stored fuel capacity and not less than a total free area of 10 square inches (64.5 sq. cm). If ventilation openings at floor level are in a side wall, there must be at least two openings. The bottom of the openings must be at floor level. The openings shall be equally sized, spaced at 180 degrees and unobstructed. **See Figure 2**

*There must be a minimum clearance of 2 inches (50.8 mm) between the lower surface of the floor of the cylinder enclosure and the ground.

*The cylinder enclosure must be such that the cylinder can be connected, disconnected and the connections inspected and tested outside the cylinder enclosure. Cylinder valves must be readily accessible for hand operation. A door on the enclosure to gain access to the cylinder valve is acceptable, provided it is non-locking and can be opened without the use of tools.



Figure 1

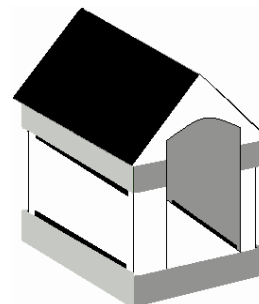
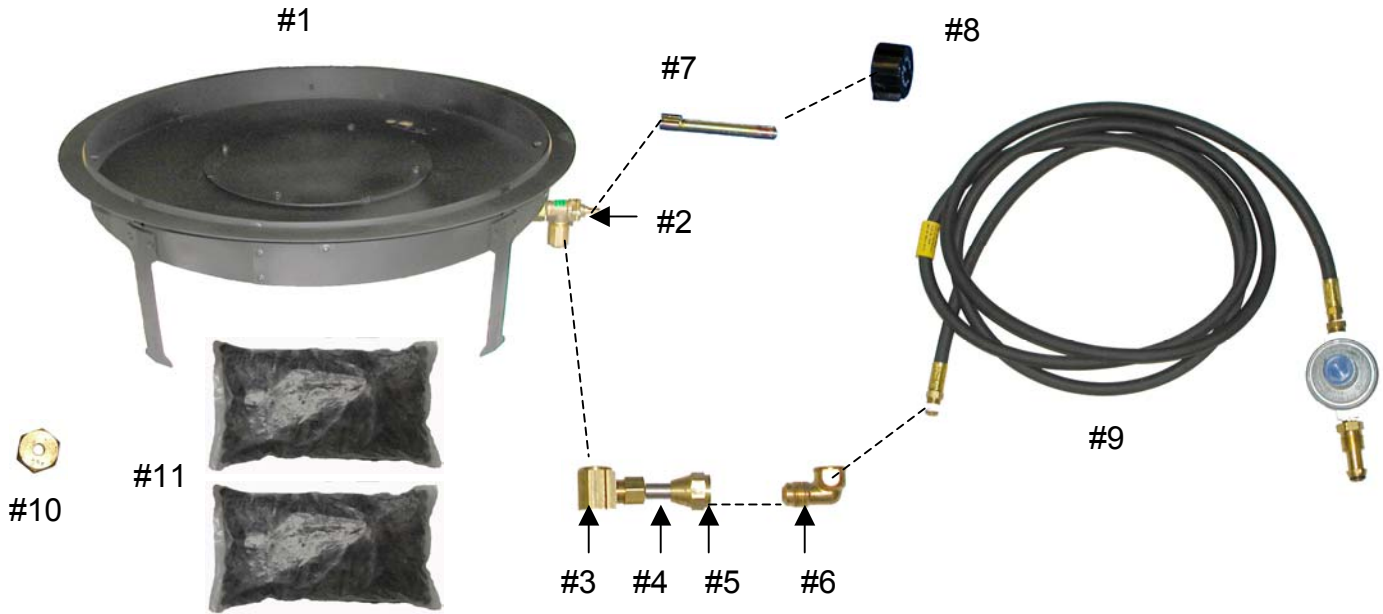


Figure 2

PARTS LIST



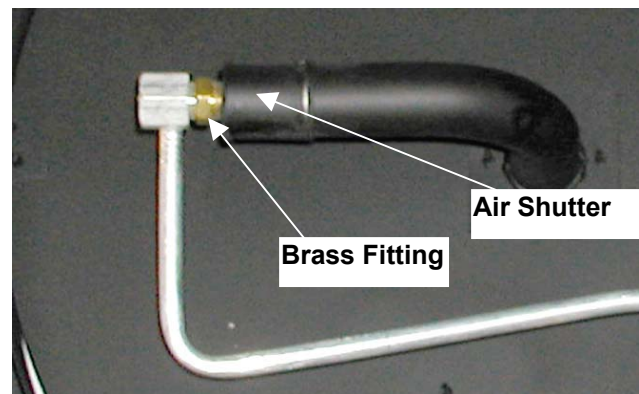
<u>PART#</u>	<u>DESCRIPTION</u>
#1 Firepit Burner	Stainless Steel Firepit Burner System
#2 JCA	Manual Control Valve
#3 69-6	3/8 FL X 3/8 Compression
#4 SC-1	1" stainless steel tubing
#5 41S-6	3/8" Flare Nut
#6 46-6-6	3/8 FL X 3/8 FIP Brass
#7 SPC-EH	Extension Handle for Manual Valve
#8 SPC-K	Control Knob
#9 CH-HA-F	Hose and Regulator Assembly for Firepit
#10 Brass Orifice	Natural Gas conversion orifice (LP orifice is already installed on burner system)
#11 (2) VC-FP	Volcanic Cinder for Firepit

INSTALLATION

NATURAL GAS

1. Place the Firepit Burner System on a level surface.
2. Go to page 2 of the instructions and review the boxed area for proper clearance guidelines.
3. Replace the LP gas orifice with the Natural Gas orifice included in the kit. (See Figure 3)
4. When replacing the burner orifice rotate the air shutter so that it is in the full closed position. See Figure 3)
5. Connect the incoming gas supply line (not supplied in the kit) to the on/off gas valve (JCA) on the firepit burner system.
6. Make sure all gas connections are tight, turn the on/off valve at the unit slowly to the on position and use soap and water to test for leaks.
7. Proceed with log and cinder installation.
8. Once log installation is complete slowly turn the on/off gas valve to the on position while a lit match is at the gas opening of the burner system.

Figure 3 Bottom Side of Firepit Burner
Natural Gas Conversion



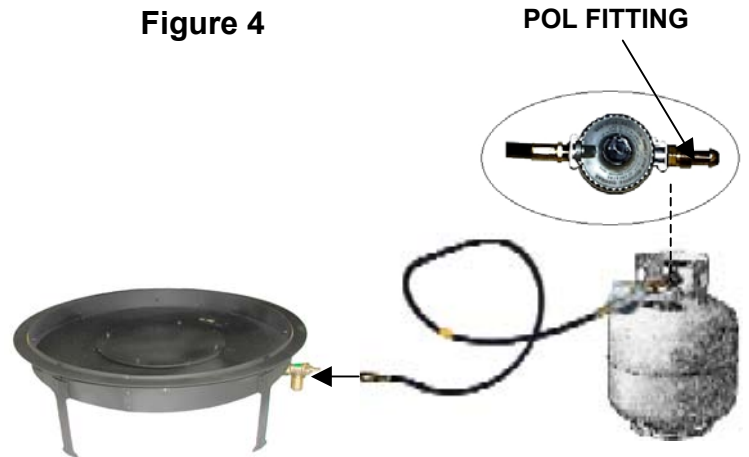
To replace the orifice unscrew the brass fitting from the air shutter. The LP orifice can then be removed and the NG orifice can be installed. Re-attach the Brass Fitting into the air shutter. Once attached, assure the Air Shutter is in the full closed position.

INSTALLATION

LIQUID PROPANE

1. Place the Firepit Burner System on a level surface.
2. Go to page 2 of the instructions and review the boxed area for proper clearance guidelines.
3. Make sure tank valve is in the full OFF position.
4. Check tank valve features to ensure it has proper external mating threads. (Tank Valve Marked: USE WITH TYPE 1)
5. Inspect hose shipped with unit for damage. Never attempt to use damaged or plugged equipment. See your local LP dealer for repairs.
6. After inspecting the LP hose shipped with the unit, connect the 46-6-6 on the hose to the 41S-6 on the burner system. Tighten fittings using 2 wrenches.
7. When connecting the regulator assembly to the tank valve, hand tighten the POL Fitting on the hose to the female fitting on the tank.
8. Locate the hose out of pathways where people may trip over it or in areas where the hose may be subject to accidental damage.
9. Open the tank valve fully (counter-clockwise). Turn the on/off valve at the unit on slowly to the on position and use a soap and water solution to check all connections for leaks before attempting to light the appliance. If a leak is found, turn the tank valve off and do not use the appliance until repairs can be made.
10. Proceed with log and cinder installation.
11. Once log installation is complete slowly turn the on/off gas valve to the on position while a lit match is at the gas opening of the burner system.

Figure 4



POL FITTING

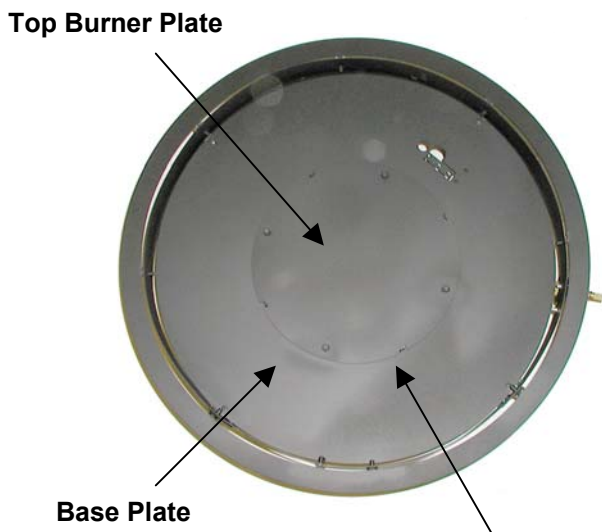


Firepit with Rock Surround

Once burner and log installation is complete you may put a non-combustible exterior (rock, brick, etc.) around the legs of the burner to enhance the look of the firepit.

LOG AND CINDER INSTALLATION

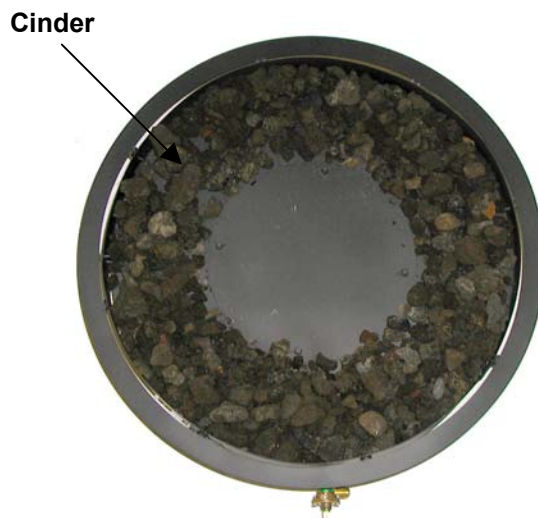
Top View of Burner with no Logs or Cinder



Base Plate

Gas flows out around the edges of the top burner plate.

Top View of Cinder Installation



Cinder

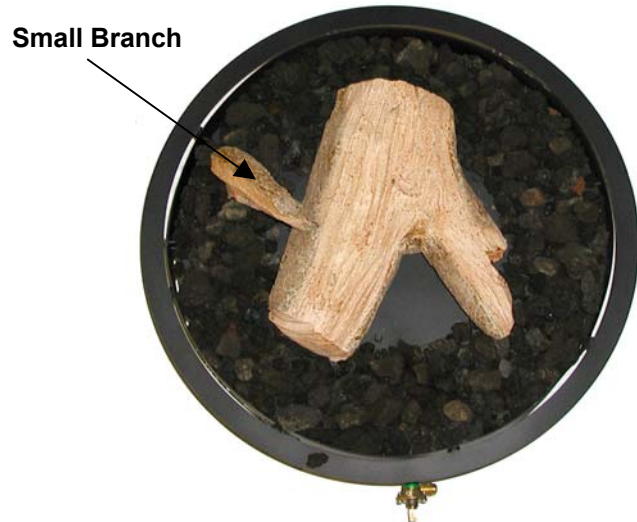
CAUTION: WHEN BURNING THE FIREPIT WITH CINDER FOR THE FIRST TIME IT WILL POP AND SHOOT OUT. KEEP AT LEAST 10 FEET AWAY FROM THE BURNER DURING INITIAL BURN IN PERIOD.

LOG INSTALLATION

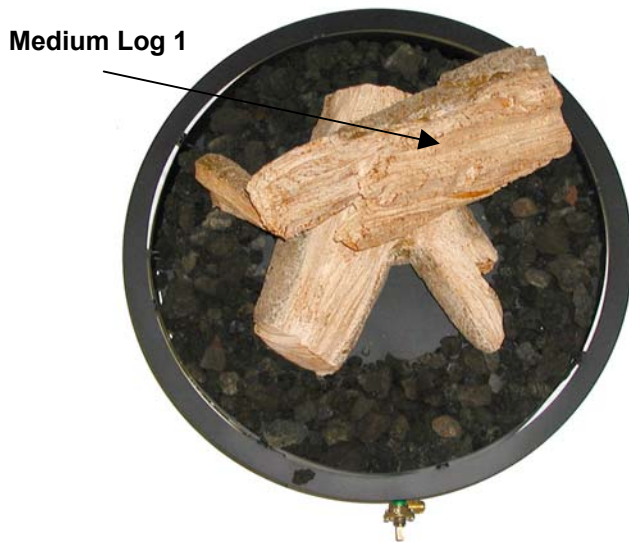
Place the Base Log flat on the top burner plate



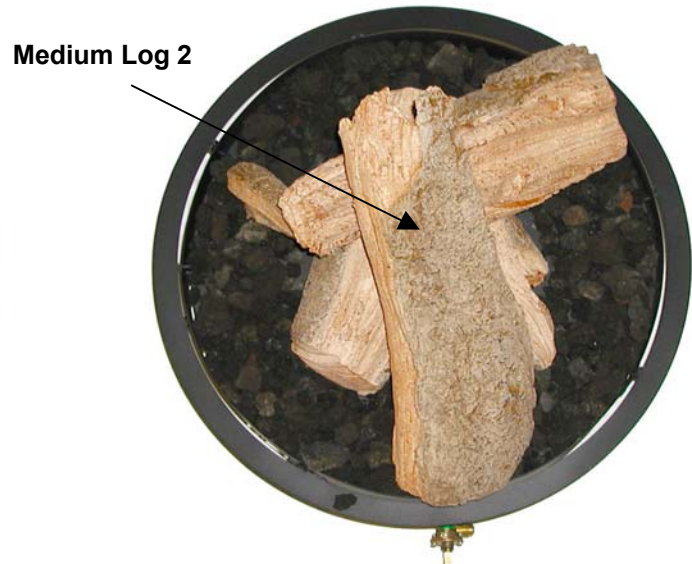
Place the smallest branch with one end on the cinder and on end on the Base Log



Place one of the Medium Sized Logs across the Base logs as shown in the diagram



Place the remaining Medium Sized Log across the first Medium Sized log as shown in the diagram



LIGHTING INSTRUCTIONS

1. **STOP!** Read the **Gas Cylinder, Important Information and Enclosures** sections before attempting to light this appliance.
2. **BEFORE LIGHTING:** Smell all around the appliance area for gas. Be sure to smell next to the floor of the firepit because some gas is heavier than air and will settle in the base of the firepit.
3. Light a match and place it just to the top and outside area of the Top Burner Plate.
4. Slowly turn the manual gas valve to the "OPEN" position. The firepit burner should ignite between 0 to 3 seconds.

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. Tele: (800) 725-4166