



## LOST RIVER PRODUCTS

*“We Create The Most Realistic Fire, To A Standard You Don’t See Everyday”*

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### INSTALLATION AND OPERATION GUIDE FOR LOST RIVER PRODUCTS VENTED GAS LOGS FOR **INFERNO SERIES BURNERS 18” 24” 30”**

DESIGNED CERTIFIED TO VENTED DECORATIVE APPLIANCE ANSIZ21.60/CSA2.26-2017.

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

NOTE: ADEQUATE FIREPLACE VENTILATION IS REQUIRED FOR SAFETY. READ INSTRUCTIONS FULLY BEFORE INSTALLING OR OPERATING.

**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:** 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

- Do not try to light the appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier form a neighbor’s phone.  
Follow the gas supplier’s instructions.
- Of 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.

**INSTALLER:** Leave this manual with the appliance.

**CONSUMER:** Retain this manual for future reference.

**IMPORTANT:** Installation and service must be preformed by a qualified professional installer, service agency, or the gas supplier.

Lost River Products gas log sets are to be installed only in a solid-fuel burning fireplace with working flue and construction of noncombustible materials. The installation including provisions for combustion and ventilation air must conform with the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or the CSA B149.1 Natural gas and Propane Installation Code, and applicable local building codes. A damper clamp is included to maintain the minimum permanent venting opening and to prevent full closure of the damper blade. The gas log set must be burned with the DAMPER COMPLETELY OPEN and chimney free of any obstructions or restrictions.

The realistic yellow flame creates 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 home-owners responsibility to assure their fireplace has adequate draft.

#### IMPORTANT PRE-INSTALLATION AND FIREPLACE SAFETY INFORMATION

**WARNING:** This appliance assembly contains burner orifices 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.

- 1.It is recommended that adults be present when this gas appliance is operating. It is recommended that this unit is not left burning when unattended or while anyone is sleeping.
- 2.Do not use a natural gas set for propane, or a propane set for natural gas. If the gas type is not correct, do not install. Contact your dealer for immediate assistance.
- 3.There are many different local codes for gas logs. The installation and the provision for combustion and ventilation air must conform to local codes and, or in the absence of local codes, with the National Fuel Gas Code ANSI Z223.1 (most current revision)
- 4.Gas log sets must be installed by qualified installer.
- 5.This appliance must be installed only in a solid fuel burning fireplace with a working flue and constructed of noncombustible materials.
- 6.When glass fireplace doors are used, always operate gas log set with the doors fully open to allow proper combustion air and to keep control valves from overheating.
- 7.The fireplace chimney or venting system should be examined annually and cleaned as required.
8. A fireplace screen must be in place when the appliance is operating and, unless other provisions for combustion air are provided, the screen shall have an opening(s) for introduction of combustion air.

## PRE-INSTALLATION CHECKLIST

### FIREPLACE AND CHIMNEY

- \*Fireplace is approved for solid fuel burning and made of non-combustible materials
- \*Operational damper with a chimney free of any obstruction or restriction
- \*Fireplace has proper draft to accommodate decorative appliance
- \*Fireplace is free from debris or ash
- \*Fireplace is free of obstruction
- \*If the floor is recessed or glass doors are installed, the appliance may need to be elevated to ensure proper air flow
- \*Consult table to determine if the set is properly sized for the installation in the fireplace

### GAS LINE

- \*Ensure gas line is in safe condition and that it is adequate for the install
- \*Check gas line sizing to ensure properly sized for the appliance
- \*Turn the gas supply line off and when you are ready to begin burner installation

### DAMPER STOP INSTALLATION

Attach the damper stop clamp to the fireplace damper blade. Position the clamp to prevent full closure of the fireplace damper. If the damper stop provided does not fit, the installer shall install a permanent damper stop that will prevent the damper open to a minimum opening.

## DAMPER CLAMP INSTRUCTIONS

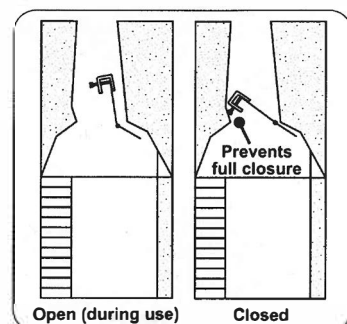
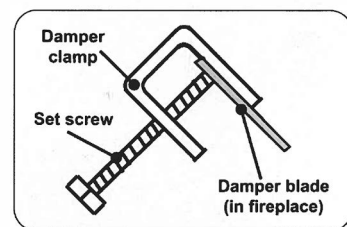
**CAUTION:** The chimney damper **MUST** be fixed in a manner that will maintain the minimum permanent vent opening at all times. See below.

The chimney damper **MUST** be fully open when burning the unit.

The damper clamp with hex bolt is provided as a means to prevent full closure of the damper blade. It must be permanently installed.

Attach the damper clamp to the damper blade with pliers or a small adjustable wrench.

**Note:** Should the clamp not fit or fail to provide the permanent vent opening listed in the Table below, have a permanent stop installed, remove the damper blade, or have the damper cut to provide the minimum permanent free opening required.



**THE DAMPER MUST BE FULLY OPEN WHEN OPERATING THE GAS LOGS**

**MINIMUM CHIMNEY HEIGHT AND FLUE OPENING**

**For Factory Built Fireplaces Free Opening Area Of Chimney Damper For Venting Combustion Products From Decorative Appliances For Installation In Solid Fuel Burning Fireplaces**

Chimney Height* (ft)	Appliance Input Rate (kBtu/hr)											Max. Input***
	20	30	40	50	60	70	80	90	100	110	120	
10	11.3	16.6	22.1	28.3	35.3	44.2	—	—	—	—	—	77.6
15	8.6	12.6	17.3	21.2	26.4	32.2	38.5	45.4	—	—	—	98.2
20	7.5	10.8	14.5	18.1	22.1	26.4	31.2	37.4	43.0	—	—	114.2
25	6.6	9.6	12.6	15.9	18.1	22.9	27.3	31.2	36.3	43.0	50.3	121.0
30	6.2	9.1	11.3	14.5	17.3	20.4	24.6	28.3	33.2	37.4	44.2	130.1
35	5.7	8.0	10.8	13.2	15.9	18.9	22.1	25.5	30.2	34.2	39.6	141.2
40	5.3	7.5	10.2	12.6	15.2	18.1	20.4	23.8	27.3	31.2	35.3	158.5

- \* Height is from hearth to top of chimney and the minimum height is 10 feet. (See Figure 3, Factory Built Fireplace.)
- \*\* Chart shows minimum opening (sq. in.) for the given height and input rate.
- \*\*\* Column marked "Max. Input" corresponds to the maximum allowable input rate (kBtu/hr) for the given height.

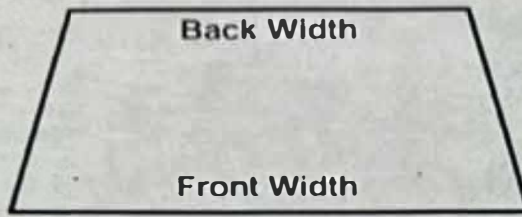
**For Masonry Built Fireplaces Free Opening Area Of Chimney Damper For Venting Combustion Products From Decorative Appliances For Installation In Solid Fuel Burning Fireplaces**

Chimney Height* (ft)	Appliance Input Rate (kBtu/hr)										
	20	30	40	50	60	70	80	90	100	110	120
6	17.6	25.7	33.8	41.7	49.2	56.6	64.0	71.4	78.8	86.2	93.5
8	16.5	23.7	31.2	38.7	45.5	52.4	59.7	66.9	74.1	81.3	88.6
10	15.1	21.7	28.7	35.2	41.7	48.2	54.3	60.2	66.1	72.0	77.9
15	14.1	19.9	26.1	32.0	37.7	43.2	48.8	54.1	59.4	64.6	69.9
20	12.9	18.5	23.7	28.8	34.3	39.8	44.4	49.1	53.8	58.4	63.0
30	12.2	16.9	21.6	26.5	31.2	35.9	40.3	44.5	48.6	52.7	56.6

- \* Height is from hearth to top of chimney and the minimum height is 6 feet. (See Figure 3, Factory Built Fireplace.)
- \*\* Chart shows minimum opening (sq. in.) for a given height and input rate.

## SPECIFICATIONS AND DIMENSIONS

Each gas log set requires a minimum 16-inch front opening height and minimum 14-inch depth. To determine the largest set that will fit in a fireplace, the width at the front of the fireplace is the critical dimension. Table I below indicates the minimum front width for each size set.



### "RATINGS"

FOR USE WITH NATURAL GAS			BTU RATINGS
18" LOG SET	#27	42,000 - 78,000	22.8 kW
24" LOG SET	#24	50,000 - 90,000	26.3 kW
30" LOG SET	#16	68,000 - 120,000	35.1 kW
FOR USE WITH PROPANE GAS			
18" LOG SET	#46	35,000 - 45,000	13.1 kW
24" LOG SET	#36	63,000 - 80,000	23.4 kW
30" LOG SET	#31	77,000 - 100,000	29.3 kW

SIZES	MIN. FRONT WIDTH	MIN. DEPTH	MIN. HEIGHT
18"	32"	14"	16"
24"	36"	14"	16"
30"	42"	16"	16"

### WARRANTY

**BURNERS:** INDOOR BURNERS CARRIES A LIFETIME WARRANTY AGAINST ANY MANUFACTURE DEFECTS OR BREAKAGE. OUTDOOR INSTALL COMES WITH 2-YEAR WARRANTY.

**LOGS:** LIFETIME WARRANTY AGAINST MANUFACTURE DEFFECTS OR BREAKAGE INSTALLED INDOORS. OUTDOOR INSTALL COMES WITH 2-YEAR WARRANTY.

**VALVES:** CARRY A 2-YEAR WARRANTY FOR INDOORS. THERMOPILE OR THERMOCOUPLING COMES WITH 1-YEAR WARRANTY. OUTDOOR INSTALL COMES WITH 1 YEAR WARRANTY ON VALVES, THERMOPILE, OR THERMOCOUPLING.

### WHAT IS NOT COVERED

1. Removal and reinstallation cost
2. Labor cost for replacement or repairs
3. Shipping cost
4. The cost of a service call to diagnose trouble
5. Painted surfaces
6. Damage or defect caused by improper installation, misuse, or alteration of burner/logs

## Inferno Series Burner Setup.



***Place Ember Bed Log  
Then Front Back Log***



***Place Split Middle Log***



***Place Side Logs***



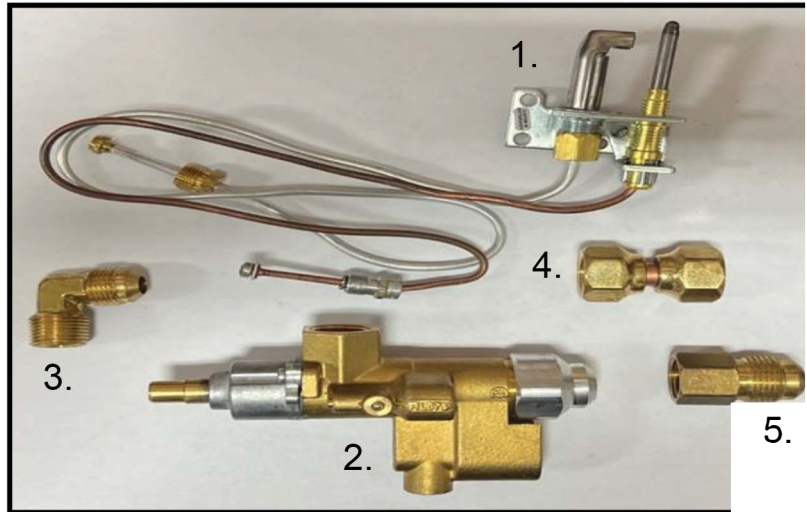
***Add Embers, and bright  
embers Throughout the burner***

**BURNING LOST RIVER PRODUCTS FOR ANY LENGTH OF TIME WILL CAUSE THE LOGS TO SOOT SOOT ONLY ACCUMULATES ON THE LOG THEREFORE THE BURNER WILL NEED CLEANING. SOOT IS CAUSED BE INCOMPLETE COMBUSTION OF THE GAS LEAVING BEHIND A DARK DENSE MATERIAL. SOOT WILL ALSO ACCUMULATE ON THE LOGS IF THE LOGS ARE NOT PLACED IN THE PROPER POSITION ACCORDING TO THE LOG PLACEMENT DIAGRAMS. TO CLEAN OFF SOOT USE AN SOFT BRISTLE BRUSH AND GENTLY RUB AWAY THE SOOT PERIODIC EXAMINATION AND CLEANING OF THE VENTING SYSTEM AND THE SOLID FUEL-BURNING FIREPLACE, INCLUDING FREQUENCY OF SUCH EXAMINATION AND CLEANING, BY A QUALIFIED AGENCY.**

## SAFETY PILOT VALVE PARTS LIST

### REPLACEMENT PARTS:

1. PILOT ASSEMBLY
2. PILOT VALVE
3. BRASS 90° DEGREES
4. FLARE CONNECTION
5. STRAIGHT BRASS FITTING



### BURNER KIT INCLUDES:

1. LAVA ROCK
2. GLOWING EMBERS
3. GAS LINE
4. DAMPER CLAMP

## FOR YOUR SAFETY READ BEFORE LIGHTING

**“WARNING – If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.”**

- A. This appliance has a pilot which must be lighted by hand.
- B. **BEFORE LIGHTING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.
- WHAT TO DO IF YOU SMELL GAS:**
1. Do not try to light any appliance.
  2. Do not touch any electric 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.
- C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion
- D. 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 control system and any gas control, which has been underwater.

## LIGHTING INSTRUCTIONS

1. **STOP!** Read the safety information above on this label.
2. Push in gas control knob slightly and turn clockwise to "OFF"



**NOTE:** Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.

3. Wait five (5) minutes to clear out any gas. If you then smell gas, **STOP!** Follow "B" in the safety information above. If you don't smell gas, go to next step.

4. Find pilot – follow metal tube from the gas control behind the burner.



5. Turn knob on gas counter-clockwise to arrow in the center of the knob.
6. Push in control knob all the way and hold in, immediately light the pilot with a match. Continue to hold the control knob in for about one minute after the pilot is lit. release knob and it will pop back up. Pilot should remain lit. If it goes out, repeat steps 3-7
  - If knob does not pop up when released, stop and immediately call your service technician or gas supplier.
  - If the pilot will not stay lit after several tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.
7. Turn gas control knob counterclockwise to "ON"

## TO TURN OFF GAS TO APPLIANCE

1. Turn knob clockwise from "ON" position to the center arrow position. Push in the gas control knob slightly and turn clockwise to "OFF". Do not force knob.

## IMPORTANT INFORMATION

- 1.GAS TYPE WILL BE INDICATED ON THE BURNER AND BOX.
- 2.THE INSTALLATION, PROVISIONS, FOR COMBUSTION, AND VENTILATION AIR MUST CONFORM WITH THE NATIONAL GAS AND PROPANE CODE.
- 3.FOR WARRANTY TO BE VALID MUST BE INSTALLED BY A CERTIFIED OR QUALIFIED INSTALLER.
- 4.THIS APPLIANCE MUST BE INSTALLED IN A SOLID FUEL BURNING FIREPLACE WITH A WORKING FLUE AND CONSTRUCTED OF NON COMBUSTIBLE MATERIALS. SOLID FUELS ARE NOT TO BE BURNED IN A FIREPLACE WHERE THE DECORTIVE APPLIANCE HAS BEEN INSTALLED.
- 5.A PERANENT FREE OPENING MUST BE PROVIDED BY EITHER THE FIREPLACE CHIMNEY OR CHIMNEY DAMPER TO VENT CARBON MONOXIDE AND OTHER GASES.
- 6.INLET PRESSURES MIN-MAX:  
LP BURNERS INLET PRESSURES: 8.0" WC-13.0" WC  
NG BURNERS INLET PRESSURES: 3.5" WC-10.5" WC
- 7.THE APPLIANCE AND ITS SHUTOFF VALVE MUST BE DISCONNECTED FROM THE GAS SUPPLYING SYSTEM DURING ANY PRESSURE TESTING.
- 8.THE APPLIANCE AREA IS TO BE CLEAR AND FREE FROM COMBUSTABLE MATERIALS, GASOLINE, AND OTHER FLAMMABLE VAPORS AND LIQUIDS.
- 9.DO NOT USE THIS APPLIANCE IF ANY PART HAS BEEN UNDER WATER. IMMEDIATELY CALL A QUALIFIED SERVICE TECHNICIAN TO INSPECT THE APPLIANCE. REPLACE ANY GAS CONTROL THAT HAS BEEN UNDER WATER.
10. REMOVE AND STORE THE SEPARABLE HANDLE AFTER EACH USE; DO NOT LEAVE ON THE VALVE CONTROL KNOB.



## LOST RIVER PRODUCTS

### WARRANTY CARD

Please fill out this warranty card and mail it to:

Lost River Products

3501 North State Road 37

Paoli IN, 47454

BURNER SIZE:

VALVE TYPE:

GAS TYPE: (circle one) natural gas    propane gas

PURCHASED FROM:

ADDRESS:

DAY/MONTH/YEAR:

YOUR INFORMATION

NAME:

ADDRESS:

PHONE NUMBER:

DATE OF INSTALLATION: