

LIMITED WARRANTY

HEARTHRITE VENT-FREE GAS BURNERS AND LOG SETS

Empire Comfort Systems Inc. warrants this product to be free from defects in materials and components and limited labor for (3) THREE years from the date of first purchase, provided that the product has been properly installed, operated and maintained in accordance with all applicable instructions. To make a claim under this warranty, the Bill of Sale or cancelled check must be presented.

This warranty is extended only to the original retail purchaser. This warranty covers the cost of part(s) required to restore this heater to proper operating condition and an allowance for labor when provided by the company. Warranty part(s) MUST be obtained through authorized dealers of this product and/or the company who will provide original factory replacement parts. Failure to use original factory replacement parts voids this warranty. The heater MUST be installed by a qualified installer in accordance with all local codes and instructions furnished with the unit.

This warranty does not apply to parts that are not in original condition because of normal wear and tear or parts that fail or become damaged as a result of misuse, accidents, lack of proper maintenance or defects caused by improper installation.

Some states do not allow limitation on how long an implied warranty lasts or an exclusion or limitation of incidental or consequential damages, so the above limitation on implied warranties, or exclusion or limitation on damages may not apply to you.

Always be sure to specify the model number and serial number when making any claim with the company. For your convenience, use the space provided above to list this information.

KEEP THIS WARRANTY

Model #: _____

Serial #: _____

Date of Purchase: _____



SINCE 1932

www.empirecomfort.com

Empire Comfort Systems, Inc.
Bellefonte, PA

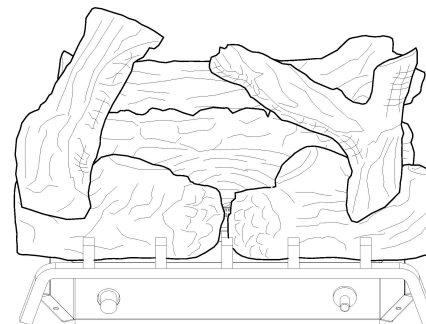
If you have a general question about our products, please e-mail us at info@empirecomfort.com.

If you have a service or repair question, please contact your dealer.

HearthRite

VENT-FREE GAS LOG HEATER

LOG MODELS
HLS18R2-2 / HLS24R2-2
HLS30R2-2



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:**
 - Do not try to light any appliance.
 - Do not touch any electrical switch; do not use any phone in your building.
 - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
 - 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: This appliance is equipped for natural or propane gas. Field conversion is not permitted.

TABLE OF CONTENTS

Safety Information	3	Installing Logs	6
Local Codes.....	4	Parts List.....	7
Qualified Installing Agency	4	Warranty	8
Installation Guidelines.....	5		

SAVE THIS BOOK

INSTALLER: Leave this manual with the appliance.
CONSUMER: Retain this manual for future reference.

This log set has been tested and approved to ANSI Z21.11.2-2016 standard for Unvented Heaters and also complies with ANSI Z21.60 Decorative Vented Appliances for Solid Fuel Burning Fireplaces. State and local codes in some areas prohibit the use of vent-free heaters. Check your state and local codes.

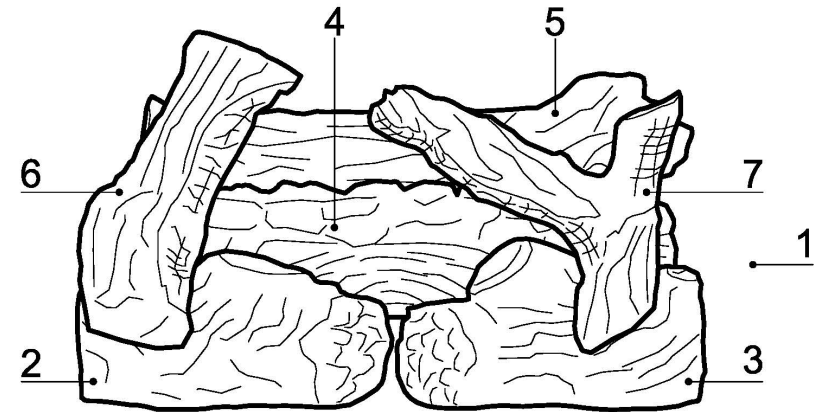
⚠ WARNING: Improper installation, adjustment, alteration service or maintenance can cause injury or property damage. Refer to this manual for correct installation and operational procedures. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

This appliance may be installed in an aftermarket, permanently located, manufactured (mobile) home, where not prohibited by local codes.

IMPORTANT: Read this owner's manual carefully and completely before trying to assemble, operate, or service this heater. Improper use of this heater can cause serious injury or death from burns, fire, explosion, electrical shock, and carbon monoxide poisoning. Failure to follow these instructions will void the warranty.

Only a qualified installer, service agent, or local gas supplier may install and service this product.

PARTS LIST HLS18R2-2 / HLS24R2-2 / HLS30R2-2



ITEM No.	DESCRIPTION	QTY	HLS18R2-2	HLS24R2-2	HLS30R2-2
1	Log Set (Complete)	1	HRSET180A	HRSET240A	HRSET300A
2	Log 1	1	HRLOG181A	HRLOG241A	HRLOG301A
3	Log 2	1	HRLOG182A	HRLOG242A	HRLOG302A
4	Log 3	1	HRLOG183A	HRLOG243A	HRLOG243A
5	Log 4	1	HRLOG184A	HRLOG244A	HRLOG244A
6	Log 5	1	HRLOG185A	HRLOG245A	HRLOG245A
7	Log 6	1	HRLOG186B	HRLOG246B	HRLOG306B

LOCAL CODES

Install and use the heater with care. Follow all local codes. The installation must conform with local codes or, in the absence of local codes, with the latest edition of *The National Fuel Gas Code, ANSI Z223.1/NFPA 54**.

* Available from: American National Standard Institute, Inc.
1430 Broadway
New York, NY 10018

National Fire Protection Association, Inc.
1 Batterymarch Park
Quincy, MA 02269-9101

State of Massachusetts: The installation must be made by a licensed plumber or gas fitter in the Commonwealth of Massachusetts. Sellers of unvented propane or natural gas-fired supplemental room heaters shall provide to each purchaser a copy of 527 CMR 30 upon sale of the unit.

In the State of Massachusetts, unvented propane or natural gas-fired space heaters are prohibited in bedrooms and bathrooms.

In the State of Massachusetts the gas cock must be a T-handle type. The State of Massachusetts requires that a flexible appliance connector cannot exceed three feet in length.

⚠ WARNING: CALIFORNIA PROPOSITION 65: Fuels used in gas-fired heaters and the products of combustion of such fuels contain chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm. This product can expose you to chemicals, including lead and lead compounds, which are known to the state of California to cause cancer, birth defects, or other reproductive harm. For more information go to www.P65Warnings.ca.gov. ***Wash hands after handling.***

QUALIFIED INSTALLING AGENCY

Only a qualified agency should install and replace gas piping, gas utilization equipment, or accessories, and/or repair and service such equipment. "Qualified agency" means any entity that either in person or through a representative is engaged in and is responsible for:

- Installing, testing, or replacing gas piping; or
- Connecting, installing, testing, repairing, or servicing equipment; is experienced in such work; is familiar with all precautions required; and has complied with all the requirements of the authority having jurisdiction.

INSTALLATION GUIDELINES

Log Size	Minimum Firebox Size			
	Height	Depth	Front Width	Rear Width
18 in.	24 in.	14 in.	28 in.	20 in.
24 in.	24 in.	14 in.	32 in.	22 in.
30 in.	24 in.	14 in.	35 in.	22 in.

Wood Burning Fireplaces

The interior of the firebox and the chimney must be cleaned and free of creosote before installing the log set. Creosote will soften when heated and can drop on the log set causing odors and possibly sooting.

Sunken Fireplace

If installing the log set in a sunken fireplace, you must raise the floor to insure adequate airflow and guard against sooting. Raise the fireplace floor using a noncombustible material, such as firebrick.

Glass Doors

Glass doors must always be open when operating the log set.

Ceiling Fans, Portable Fans or Log Set Installed Near Cold Air Returns

Ceiling fans or oscillating floor fans must not blow air onto the log set. Upon installation, be aware of cold air returns or vents in the proximity of the log set. Any draft created around the log set can cause the flame to impinge on the log(s) and create soot.

Proper Log Placement

Log placement is critical to proper burner performance. Logs must be correctly positioned onto the burner. The illustrations in this manual show the proper pinned position for logs. Owners need to be shown the proper log placement and instructed not to move the logs.

Proper Airflow for Burner

Keep the control areas, burner, and circulating air passageways of the log set clean. Inspect these areas before using the log set. Have a qualified service person inspect the log set every year. Excessive lint from carpeting, bedding material, pet hair, etc. may require that the heater be cleaned more frequently.

Failure to keep the primary air opening(s) of the burner(s) clean may result in sooting and property damage.

⚠ CAUTION: This heater creates warm air currents. These currents move heat to wall surfaces that are next to the heater. Installing the heater next to vinyl or cloth wall coverings, or operating the appliance where impurities in the air exist (tobacco smoke, aromatic candles, cleaning fluid, oil or kerosene lamps, etc.), may cause walls to discolor.

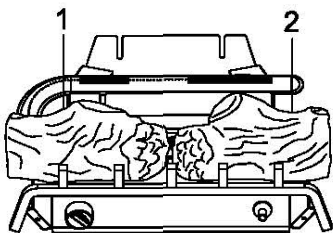
INSTALLING LOGS

▲ WARNING: Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this heater may result in property damage or personal injury.

▲ CAUTION: Check to ensure that no yellow flame comes in contact with any log, both after installation and periodically afterwards. Set the heater to HIGH and check if yellow flames come into contact with any log. If so, reposition the logs as indicated in the below illustrations. Yellow flames coming into contact with logs create unnecessary soot.

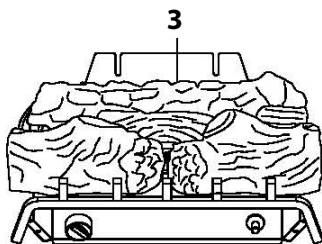
Install the logs exactly as indicated (see Fig. 1–4). Do not modify the logs, and use only logs supplied with the heater. The logs are numbered and correspond to the numbers listed below.

Fig. 1



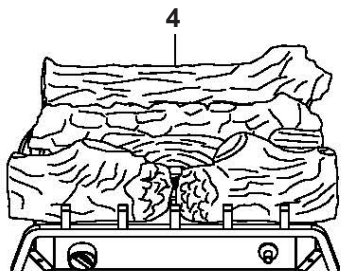
1. Place log #1 and #2 onto the pins in the front grate base.

Fig. 2



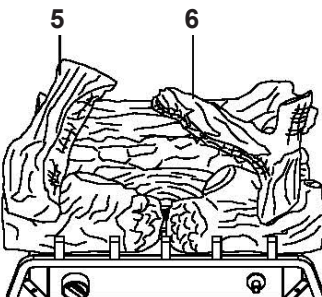
2. Place log #3 onto the middle grate base, making sure it's aligned with logs #1 and #2.

Fig. 3



3. Place log #4 onto the back grate base, making sure it's aligned with logs #1, 2 and 3.

Fig. 4



4. Place log #5 so that it's resting on logs #1, 3 and 4. Place log #6 so that it's resting on logs #2, 3 and 4

SAFETY INFORMATION

▲ DANGER: Carbon monoxide poisoning may lead to death!

Carbon Monoxide Poisoning: Early signs of carbon monoxide poisoning resemble the flu with headaches, dizziness, or nausea. If you have these signs, the log set may not be working properly. Get fresh air immediately, and have the log set serviced. Some people are more affected by carbon monoxide than others: pregnant women, people with heart or lung disease, people who are anemic, those under the influence of alcohol, and those living in high altitudes.

▲ WARNING:

- **Keep the heater area clear and free from combustible materials, gasoline, and other flammable vapors and liquids.**
- **Do not use a blower insert, heat exchanger insert or other accessory not approved for use with this log set.**
- **Do not allow fans to blow directly into the heater. Avoid any drafts that alter burner flame pattern including ceiling fans. Altered burner patterns can cause sooting.**
- **Before installing in a solid fuel-burning fireplace, the chimney flue and firebox must be cleaned of soot, creosote, ashes, and loose paint by a qualified chimney cleaner.**

This appliance is only for use with the type gas indicated on the rating plate. This appliance is not convertible for use with other gases.

Natural and Propane Gas: Natural and propane gases are odorless. An odor-making agent is added to the gas. The odor helps you detect a gas leak. However, the odor added to the gas can fade. Gas may be present even though no odor exists.

1. Do not add extra logs or ornaments such as pine cones or rock wool. These added items may cause sooting.
2. This heater is designed to be smokeless. If logs ever appear to be smoking, turn off heater and call a qualified service technician. NOTE: During initial operating, slight smoking could occur due to log curing and heater burning off manufacturing residues.
3. To prevent the creation of soot, follow the instructions in CARE AND MAINTENANCE in your heater's owner's manual.
4. Do not operate the heater if a log is broken. Do not operate the heater if a log is chipped (dime-sized or larger).
5. Solid fuels should not be burned in fireplace in which a vent-free log set is installed. Do not use this heater to cook food, burn paper or other objects. Use only the logs provided with the heater.