



Fireplaces and Firepits
United States and Canada

Owner's Manual



Cal Spas Home Resort™

www.calflamebbq.com



Operation

Lighting Instructions for Automatic Starter 23

Lighting Your Wood Burning Fireplace. 25

Maintenance

Appendix

Replacement Parts 27

Limited Warranty. 30

**Read this before installing or operating your
new Cal Flame firepit or fireplace.**

Save these instructions!

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Due to continuous improvement programs, all models, operation, and/or specifications are subject to change without prior notice.

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California Proposition 65 Warning: Chemicals known to the State of California to cause cancer, birth defects or other reproductive harm are found in and/or created by the combustion of natural gas, propane, butane and other fuels. Always operate this unit as described in the owner's manual and in well ventilated areas.

Safety Instructions



Cal Flame fireplaces and firepits are designed for outdoor use only.



Do not store combustible materials, gasoline and any other flammable vapors and liquids.

A propane gas cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.



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.

What To Do If You Smell Gas

- Shut off gas to the firepit or fireplace.
- Extinguish any open flame.
- Do not try to light the appliance.
- If odor continues, keep away from the appliance and immediately call your gas supplier or your fire department.

Carbon Monoxide Hazard



This appliance can produce carbon monoxide which has no odor.



Using it in an enclosed space can kill you.

Never use this appliance in an enclosed space such as a camper, tent, car, or home.

Operation

- **Do not use charcoal or other solid fuel in gas burning fireplaces and fire pits.**
- Do not operate the fireplace with the propane tank on, near, or under the hearth! This could result in fire, explosion, or severe injury.
- Do not use your firepit or fireplace for cooking.
- In the event that a burner goes out, turn burner knobs to the full OFF position and let it air out. Do not attempt to use the firepit or fireplace until the gas has had time to dissipate.
- Keep all electrical supply cords away from the heated areas of the fireplace or firepit.
- Never use the fireplace or firepit in windy conditions. If used in a consistently windy area a windbreak will be required. Always adhere to the specified clearances listed in this manual.
- When handling propane gas line and connectors, do not allow them to come in contact with any metal surfaces. Do not drop propane connectors.
- Propane gas sources to the fireplace or firepit must be regulated. Do not operate if regulator has been removed. Fire or explosion can occur.
- Never leave the fireplace or firepit unattended when in use.
- Never allow clothing or other flammable materials come in contact with any hot surface until it has fully cooled. Never wear loose fitting or hanging garments while using your fireplace or firepit. Fabric may ignite and result in personal injury.
- Clothing or other flammable materials should not be hung from the appliance, or placed on or near the appliance.
- When using the firepit or fireplace, do not touch the rock, fire screen, or immediate surroundings, as these areas become extremely hot and could cause burns.
- Do not heat any unopened glass or metal container of food in the fireplace or firepit. Pressure may build up and cause the container to burst, possibly resulting in serious personal injury or damage to the fireplace or firepit.
- Do not reach over your firepit when hot or in use.
- Never line firepit or fireplace with aluminum foil.

Maintenance and Repair

- Spiders and other insects can nest in the burners and block the gas and airflow to the burner ports. This creates a dangerous condition that can result in a fire from behind the valve panel. Inspect and clean the burners periodically and follow the guidelines in the maintenance section of this manual.
- 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 the control compartment, burner and circulation air passages of the appliance be kept clean and free.
- Any guard or other protective device removed for servicing the appliance must be replaced prior to operating the appliance.
- If it is evident there is excessive abrasion or wear of any of the components, if the fuel supply hose is cut or cracked, it must be replaced prior to the appliance being put into operation.
- Inspect the fuel supply connection for signs of leakage (including the hose for propane models) before each use of the appliance.
- Unless specifically recommended in this manual, do not repair or replace any part of your firepit or fireplace. Have a qualified technician perform all service. Any repairs made by a non-LMS approved dealer technician will void your warranty.

Storage

- When your fireplace or firepit is not in use, turn off the gas at the source.
- Do not store the propane cylinder in the vicinity of this or any other appliance when it is not being used.
- This appliance can be stored indoors only if it has been disconnected from its fuel supply.
- Store propane cylinders outdoors in a well-ventilated area out of reach of children. Disconnected cylinders must have threaded valve plugs tightly installed and must not be stored in a building, garage, or any other enclosed area.
- To extend the life of your fireplace or firepit, protect and cover it from the elements when not in use. Ensure the appliance has ample time to cool off after use and prior to installing storage cover. Damage caused to storage cover due to heat or burns are not covered by warranty.

Precautions Regarding Children

- Never leave children unattended in the area where the fireplace or fire pit is being used. Close supervision of children is necessary when any appliance is used near children.
- Do not store items of interest to children around or below the fireplace or fire pit.
- Never allow children to sit or stand on any part of the fireplace or fire pit.

Installation

Most cities and counties require permits for exterior construction and electrical circuits. In addition, some communities have codes requiring residential barriers such as fencing and/or self-closing gates on property to prevent unsupervised access to the property by children under the age of 5. Your dealer can provide information on which permits may be required and how to obtain them prior to the delivery of your equipment.

Installation and service must be performed by a qualified installer, service agency or your natural gas or liquid propane gas provider.

Set-Up

- You are responsible for ensuring that a natural gas line (if required) is installed and safe for use. We recommend that a licensed contractor install your fireplace or firepit. Installation must conform to local codes, or in the absence of local codes, with either the *National Fuel Gas Code*, ANSI Z223.1 / NFPA54, *Natural Gas and Propane Installation Code*, CSA B149.1, or *Propane Storage and Handling Code*, B149.2), as applicable.
- Do not use an extension cord to supply power to your fireplace or firepit. Such use may result in fire, electrical shock or other personal injury. Do not install a fuse in the neutral or ground circuit. A fuse in the neutral or ground circuit may result in an electrical shock hazard. Do not ground this appliance to a gas supply pipe or hot water pipe. Keep any electrical supply cords and the fuel supply hose away from any heated surfaces.
- To prevent fire and smoke damage, remove all packaging material before operating the fireplace or firepit.

Installation must conform with local building and/or fire codes, or in the absence of local codes:

- National Fuel Gas Code ANSI Z223.1 / NFPA 54 (for installation in the United States)
- CSA B149.1 Natural Gas and CAN/CGA-BIL/9-2, Propane Installation code (for installation in Canada).

Operation

WARNING: DO NOT use solid fuel, such as wood or charcoal, in gas fueled fireplaces or fire pits.

Upon completing the gas line connection, a small amount of air will be in the lines. When the first lighting the burner, it will take a few seconds for the lines to purge themselves of this air.

Once the purging is complete, the burner will light and operate as indicated in the instruction manual. Subsequent lighting of the appliance will not require purging unless the gas supply has been disconnected.

Inspect the burner before each use of the appliance. If there is any evidence that the burner is damaged, it must be replaced before operating. Upon completing the gas line connection, a small amount of air will be in the lines. When first lighting the burner, it will take a few minutes for the lines to purge themselves of this air. Subsequent lighting of the appliance will not require such purging.

Never allow the ON / OFF valve to remain in the open position without placing a burning match on top of the burner **FIRST!**

You must have clear and easy access to the ON / OFF valve **AFTER** the appliance is installed and connected to the gas supply in order to safely turn off the burner.

Make sure the burner is in place prior to using the appliance. If the burner is damaged, install a replacement burner as specified by the manufacturer.

For your safety, read before lighting.

- Before operating smell all around the appliance area for gas odors and next to the floor because some gases are heavier than air and will settle on the floor.
- Use only your hand to turn the manual gas control valve. Never use tools. If the valve will not turn by hand, do not try to repair it. Call a qualified service technician. Force or attempted repair may result in a fire or explosion,
- Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance



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

and replace any part of the control system and any gas control which has been under water.

- Make sure the ignitor battery has been installed properly. Ignitor will not operate properly without a battery installed.

Lighting Instructions for Automatic Starter

1. Remove protective storage cover and locate the manual gas control valve and igniter button on the fireplace.



2. Make sure fuel supply is properly connected and turned on at the source.
3. Depress igniter button until you hear it sparking. You will hear a small popping noise. Keep igniter button pushed in while slowly turning the fuel flow valve to the full flow position at the fireplace. The fireplace should light within 5 seconds. If you do not hear the igniter sparking you may need to replace the battery. The starter uses one standard AAA battery, located directly behind the rubber push button knob. (Unscrew knob to access battery.) Note some models ship with the batteries removed or may not be included with your model.
4. If a flame does not start within 10 seconds, shut off all gas supply and wait five minutes to allow all gas fumes to clear. Re-try or go to trouble-shooting and start again from step 1.

To Turn Off Gas

Turn the ON/OFF valve to the off position at the unit for natural gas unit. For propane unit, turn the ON/OFF valve to the OFF position at the unit and then turn the valve on the propane tank to the OFF position clockwise.

NOTE

The propane regulator in this appliance is equipped with a low flow protection device. Unless the propane cylinder valve is opened before the valve, the gas flow will be reduced resulting in a very small flame.

To reset this device, shut off the valve, disconnect the hose from the cylinder to relieve the pressure, then close the propane cylinder valve.

Follow the lighting procedure ensuring the propane cylinder valve is opened before the unit is.

Lighting Your Wood Burning Fireplace

Your wood burning fireplace is designed to use a grate to hold the wood to be burned approximately 2"-3" off the base. This allows air to get to the bottom of the wood and gives room for ash to accumulate. Do not attempt to burn wood in your appliance without a proper grate installed.

WARNING: Never use liquids such as gasoline or lighter fluid in a wood burning fireplace. Serious injury can occur.

Have several sizes of wood available. Small pieces will be needed to start the fire, some medium sizes and finally larger logs that will burn for a longer period of time. Make sure all logs are small enough to fit entirely into the fireplace or firepit. If the wood is too large, cut or split it until it will fit into the enclosure.

1. Wad up some dry newspaper and put it under the grate but be carefull of ash that may be under grate from a previous fire.
2. Put small pieces of wood over the newspaper, on the grate. Small wood should not be more than 1/2" thick and 1" wide. Smaller wood will burn easier and make the fire easier to start. Make sure to leave room for air to circulate around the small pieces of wood.
3. On top of the small pieces of wood put a few medium sized pieces of wood. These pieces can be from 1" to 2" thick but should not block airflow around the small pieces.
4. Light the newspaper under the grate in several places. As wood begins to burn, add more medium sized pieces one at a time until a good coal base is formed. At this time you can add larger pieces of wood. Always make sure there is sufficeint room for air to flow around the wood that is added or you may smother your fire.

Warning! Never leave a burning fireplace or firepit unattended!

Maintenance

Inspect the appliance before initial use. Clean the appliance at least annually and have it inspected by a qualified field service person.

Periodically remove the logs and examine the burner. If the burner is dirty, clean it with a soft wire brush. Also examine the area around the burner air shutter. Remove any dirt or debris in this area. This will ensure long life and trouble-free operation.

Periodically check the hose connecting the propane gas cylinder to ensure it is not damaged in any way.

Carbon (soot) may build up on the surfaces of the logs with heavy use. This is more likely to occur with propane gas. Clean soot off the surface of the logs periodically to prevent excessive buildup.

To clean the logs, be sure the fire is out, the gas supply is turned off and the logs are cool to the touch. The soot can then be brushed off with a dry bristle brush or cloth. Take care while cleaning the logs as they can become damaged if mishandled.

Periodically check the hose connecting the propane gas cylinder to ensure it is not cracked or damaged in any way. All natural gas hook-ups should be serviced and inspected only by qualified installers only.

The easiest way to clean the firepit or fireplace is to let the firepit/fireplace cool completely off.

- With a wood burning fireplace, remove the steel grate and sweep out the ashes and leftover kindling.
- With a gas firepit or fireplace, spray the enclosure off with water. Note: Do NOT spray water directly onto the burner and pilot light of the gas fireplace.

When not in use and after cooling, cover your firepit with our full length, zippered side canvas cover. The cover will help protect your firepit/fireplace from detrimental effects of weather and environmental pollutants (see your local Cal Flame dealer for details).

Before installing the cover make sure the unit is shut off, that the gas lines are disconnected and that the unit has had sufficient time to cool. Install the cover and use the tie-down straps to secure it tightly to the unit to prevent the wind from blowing it off.

Appendix

Replacement Parts

Call **1-800-CAL-SPAS** for any replacement parts not listed below. Be sure to have model name and number available.

Fireplace Parts

18" Log Set	BBQ08000610
24" Log Set	BBQ08000620
18" Grate	BBQ08210650
Square Burner	BBQ07210005
Rectangle Burner	BBQ04100076
Metal Plate	BBQ04100075
30" Arch OPT940	BBQ08210577
30" Igloo Box	BBQ08210575
30" Base-Igloo Box	BBQ08210576
36" Arch	BBQ08210584
36" Igloo Box	BBQ08210587
36" Base-Igloo Box	BBQ08210586
36" Arch	BBQ08210584
36" Back Panel	BBQ08210572
36" Base Panel	BBQ08210570
36" Side Panel	BBQ08210571
36" Sheet Metal Fire Box	BBQ08210583
Mantle Piece	BBQ08210612
22" Vent Piece	BBQ08210610
Front Hearth Piece	BBQ08210611
Front Hearth Piece	BBQ08210607
Left Side Hearth Piece	BBQ08210604-L
Right Side Hearth Piece	BBQ08210604-R
NG Orifice .125	BBQ04100077
Propane Orifice #43	BBQ04100078

Firepit Parts

Square Burner	BBQ04100073
NG Orifice .125	BBQ04100077
Propane Orifice #43	BBQ04100078
Replacement Crushed Lava Rock Kit	BBQ07210125
Replacement Fire Pit Electronic Igniter	BBQ07210022
Replacement Fire Pit Gas Control Knob	BBQ07210010
Replacement Fire Pit Propane Fuel Hose With Regulator	BBQ07210200
Fire On Ice, 3/8" Peridot, Fire Glass Crystals, 20 lbs/bag	BBQ04100065
Fire On Ice, 1/4" Standard, Sapphire, Fire Glass Crystals, 10 lbs/bag	BBQ04100066
Fire On Ice, 1/4" Standard, Malachite, Fire Glass Crystals, 10 lbs/bag	BBQ04100067
Fire On Ice, 1/4" Standard, Onyx, Fire Glass Crystals, 10 lbs/bag	BBQ04100068
Fire On Ice, 1/4" Standard, Topaz, Fire Glass	BBQ04100069

Specifications

Fireplace Specifications

	Propane Gas	Natural Gas
Max. Input BTU/ Hr	55,000	49,000
Orifice Size	#43 (0.089)	1/8" (.125)
Manifold Pressure	10" Water Column	7" Water Column
Maximum Gas Supply Pressure	11" Water Column	14" Water Column
Maximum Inlet Supply Pressure	13" Water Column	14" Water Column
Regulator Pre-Set	11" Water Column	

Fire Pit Specifications

	Propane Gas	Natural Gas
Max. Input BTU/ Hr	49,000	55,000
Orifice Size	#43 (0.089)	1/8" (.125)
Manifold Pressure	10" Water Column	7" Water Column
Maximum Gas Supply Pressure	11" Water Column	14" Water Column
Maximum Inlet Supply Pressure	13" Water Column	14" Water Column
Regulator Pre-Set	11" Water Column	

LIMITED WARRANTY

All Cal Flame models are manufactured with the highest quality appliances and are warranted to be free from defects in material and workmanship at time of delivery.

LMS warrants fireplaces, fire pits, and associated hardware from deterioration, corrosion, and defects in material and workmanship for a period of one year from the original date of delivery, with the exception of plastic items, which are warranted for 90 days.

Extent of Warranty

This limited warranty is only valid on Cal Flame models delivered in the United States or Canada and extends through the selling dealer to the original purchaser at the original site of installation. This warranty becomes valid at time of delivery and ends either by specified time-frame listed above or upon owner transfer or relocation.

Warranty Performance

In the event of a malfunction or defect covered under the terms of this warranty, contact either the selling dealer or a local contractor or service technician. Depending on your needs, this may be a contractor qualified to repair stone and tile or a service agent licensed to repair gas or electrical appliances.

In the event the consumer is unable to obtain satisfactory customer service from the selling dealer or service agent, written notification must be given to the LMS Customer Relations Department within 30 days of the reported failure.

There will be no charge for parts on a covered item. Cost of labor is the responsibility of the owner. Shipping and handling charges will apply to all warranted replacement parts. The service agent may assess a reasonable travel or mileage charge per service call. If LMS determines that repair of a covered item is not feasible, LMS reserves the right to replace the defective merchandise with merchandise equal in value to the original purchase price. Warranty repair and / or replacement are the sole discretion of LMS and this warranty does not cover costs therein, including but not limited to: freight, removal, re-installation, etc.

This warrant is non-transferable and may not be extended beyond the above mentioned time frames under any circumstances, by any of LMS's representatives.

Warranty Limitations and Exclusions

Grate and log set are not covered by this warranty.

This warranty is void if the fireplace or fire pit has been subject to negligence, alteration, misuse, repairs, dings, dents, scratches, or incorrect and / or prohibited applications, as specified in the owner's manual. Gas lines must be installed by a licensed plumber only or local gas company agent. Incorrect electrical installation by unlicensed electricians, service by non-LMS authorized representatives, acts of God and other cases beyond the control of LMS are not covered by this warranty. Please refer to the owner's manual for examples of exclusions and common acts invalidating this warranty.

This limited warranty applies only to fireplaces and fire pits and associated hardware used for personal, family, and outdoor household purposes. This warranty does not apply to labor charges on fireplaces and fire pits, replacement parts and hardware. This limitation is retroactive and applies to all fireplaces and fire pits and hardware manufactured from 2000 and hereafter.

Examples of common acts invalidating this warranty include but are not limited to:

- Use of fuel other than what is specified for the appliance (such as burning wood in a gas fireplace).
- Scratches caused by normal use.
- Damage caused by extreme weather conditions (hot, cold, etc.)
- Damage caused by dirt, sand, and/or water damage.
- Damage caused by continued operation of the fireplace or fire pit with either known or unknown problems.
- Damage caused by direct sunlight.
- Damage caused as a result of failure to follow the operating instructions as defined in this owner's manual.

This limited warranty applies only to fireplaces or fire pits normally used for personal, family, or household purposes and specifically excludes rental or commercial applications.

Disclaimers

LMS shall not be liable for loss of use of the fireplaces or fire pits, related hardware or other incidental or consequential costs, expense

or damages, which may include, but are not limited to, removal of permanent deck or other custom fixtures or the necessity for crane removal. Any implied warranty shall have duration equal of the applicable warranty stated above.

Natural stone: Rock, travertine, marble, etc. may be characterized by dry seams, pits, chips, cracks, and fossils that are often filled with grout during installation. These are normal imperfections and are not considered defects.

Legal Remedies

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

Customer Service

For customer service, contact the authorized selling dealer immediately. If you need additional information or assistance, please contact the LMS Customer Relations Department at 1462 E. Ninth St., Pomona CA 91766 or call (800) 225-7727.

See your Cal Flame dealer for a copy of the applicable warranty, details and any questions you may have regarding the warranty coverage on your product.

CONTACT INFORMATION

For customer service, please contact your authorized dealer immediately. If you need additional information and/or assistance, please contact:

Customer Service Department

1462 East Ninth Street

Pomona, CA 91766

Toll Free: 1-800-CAL-SPAS

Fax: 1-909-629-3890

www.calsflamebbq.com

