

MODELS

Match Throw	Description
LOF-30-P-LF	30-inch stainless burner & pan

Linear Outdoor Fire

Installation and Operating Instructions

IF YOU CANNOT READ OR UNDERSTAND THESE INSTALLATION INSTRUCTIONS DO NOT ATTEMPT TO INSTALL OR OPERATE THIS APPLIANCE

INSTALLATION PRECAUTION:

This Linear Outdoor Fire pit requires a minimum 18-square inches (per side) of cross ventilation. Failure to provide proper ventilation can void the warranty.



Warning: For Outdoor Use Only



We recommend that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.

For Technical Service Call:

1-888-672-8929

Fax: 1-888-672-8024

PLEASE RETAIN THIS MANUAL FOR FUTURE REFERENCE



DANGER



CARBON MONOXIDE HAZZARD

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.



DANGER

If you smell gas:

1. Shut off gas to the appliance.
2. Extinguish any open flame.
3. If odor continues, keep away from the appliance and immediately call your gas supplier or fire department.



WARNING

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

An LP-cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

WARNING

Do not leave unattended during use.
Do not use for cooking.
Follow all gas leak procedures in this manual prior to operation.

**Tighten All Fittings and Test
for Leaks with Soapy Water
Before First Use**



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

WARNING: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

FOR YOUR SAFETY

Do no store or use gasoline or other flammable vapors and liquids in the vicinity of this or another appliance.

SPECIFICATIONS

Model	A Pan Depth	B Min/Max Opening Width - Length	C Inside Pan	D Ground Level
LOF-30-P-LF	2.75"	6.25" - 7.5" W x 30.25" - 31.75" L	30"	6"

Table1. Linear Pan Dimensions

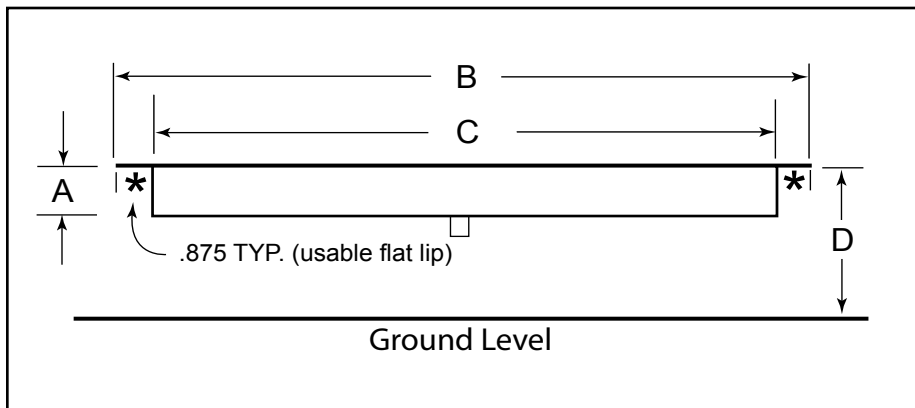


Figure 1. Linear Pan dimensions; refer to Table 1.

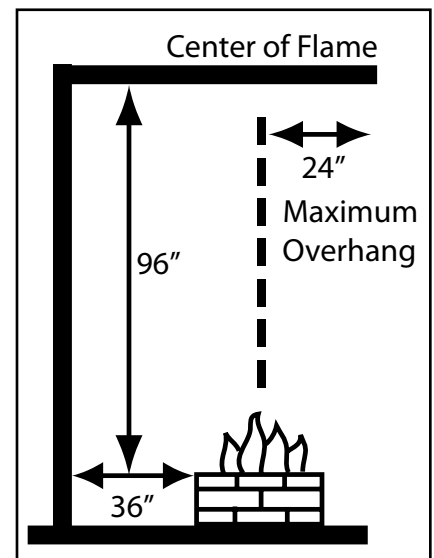


Figure 2. Clearance to Combustibles
(Not to be used in an enclosed space)

Model	<i>Btu's Natural/Propane (LP)</i>	<i>Factory Orifice</i>
LOF-30-P-LF	36,531 Btu's	#51

Table 2: Btu Specifications based on 7.0"WC - NG and 10.0"WC -LP

	NG	LP
Min. Inlet	5.0"WC	11.0"WC
Max. Inlet	10.5"WC	13.0"WC

Table 3. Gas Pressures

Note: Linear Outdoor Fire's are rated at maximum Btu's which is dependent upon proper gas pipe sizing. Flex line size also affect Btu's. As a result your Btu's will may vary from Table 2 specifications listed above.

NOTE:

THIS FIRE PIT COMES EQUIPPED WITH LIQUID PETEROLUM (LP) GAS ONLY.
AN OPTIONAL NATURAL GAS CONVERSION KIT IS AVAILABLE BUT MUST BE
PURCHASED SEPERATELY.

ORDER: Part# OAS-NG42 (35,240 BTU/H at 7.0"WC)

WARNING: Proper clearances from combustible, construction and materials must be maintained from all sides, top and bottom of this appliance. This appliance should never be placed on any combustible surface. This appliance should never be placed under any combustibles closer than 96-inches. This appliance should never be placed closer than 36-inches from any side to any combustible construction or materials (See fig. 2, pg. 3).

PREPARING A NON-COMBUSTIBLE STRUCTURE

The Linear Outdoor Fire is to be installed on a flat, stable surface, away from any combustible materials. Install Linear Outdoor Fire on any level, outdoor non-combustible surface. **NOTE:** Do not place Linear Outdoor Fire directly on grass, dirt, or rocks this may prevent proper ventilation (Fig. 3). **Ensure proper water drainage is also incorporated into the Linear Outdoor Fire enclosure.**

HARD PIPING TO Linear Outdoor Fire pit WITHOUT GAS PROXIMITY

NOTE: We recommend using a minimum $\frac{3}{4}$ " black iron pipe however refer to the NFPA54 (National Fuel Gas Code) for proper pipe sizing when exceeding 20-feet in length for Linear Outdoor Fire's rated above 100,000 Btu's.

1. Turn **OFF** gas supply system. **NOTE:** All gas connections (except for brass to brass) require the following. Clean pipe threads using either a wire brush or steel wool. Apply Teflon tape or pipe sealant to the steel fittings before making any connection. **BE CAREFUL!** Ensure all gas connections are snug, but not over tighten!
2. Extend the gas supply system using minimum of $\frac{3}{4}$ " black iron pipe or an approved flexible gas line from existing house supply. This can be accomplished by teeing off or tapping into a convenient gas line connection. Install necessary pipe for the distance required and then install a manual shut-off valve at the exterior house wall. If pipe is to pass through a foundation or house wall, make sure to re-seal the area around the pipe with weather sealant.
3. From manual valve, extend gas pipe to the Linear Outdoor Fire location. **NOTE:** If pipe is to be placed in an underground trench, check with local codes for required depth and materials needed.
4. Install a $\frac{3}{4}$ " female x $\frac{1}{2}$ " male flared brass fitting to the end of the $\frac{3}{4}$ " black iron pipe. Be sure to clean the pipe threads and use Teflon tape or pipe sealant.
5. Connect the $\frac{1}{2}$ " female flared flex connector from the Linear Outdoor Fire to the $\frac{1}{2}$ " male flared brass fitting secured to the black iron pipe. **Note:** Flare to flare connections do not require Teflon tape or pipe sealant.

IMPORTANT

Installation of Natural or LP gas should be done by a qualified installer, service agency or gas supplier. The appliance and its manual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of the system at test pressures in excess of $\frac{1}{2}$ psig (3.5kPa). This appliance must be isolated from the gas supply piping system by closing its manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than $\frac{1}{2}$ psig (3.5kPa).

NOTE: LP conversion kits are available in the Accessory/Conversion Kit section of this manual. When converting a Linear Outdoor Fire ensure you follow the instructions supplied with the conversion kit.

VENTILATION FOR NON-COMBUSTIBLE ENCLOSURE

Linear Outdoor Fire's are subjected to many outdoor elements such as rain, snow, wind, heat or cold. **A minimum of 18 square inches of cross ventilation (2 sides) is required to keep the components in good working order.** Use figure 3 as guide to assist to incorporate proper ventilation. **NOTE:** Ventilation is not required at the bottom, it may also be incorporated in the upper portion of an enclosure.

HIGH ELEVATION INSTALLATION

This appliance is listed for elevations from 0-4500 feet in Canada and the U.S. If elevation exceeds 4500 feet it may be necessary to decrease the input rating by changing the existing burner orifice to a smaller size. Input should be reduced 4% for each 1000 feet beyond the 4500 feet above sea level. Check with your local gas utility for assistance in determining the proper orifice in your location. In some cases the heating value may already be reduced and downsizing the orifice may not be necessary.

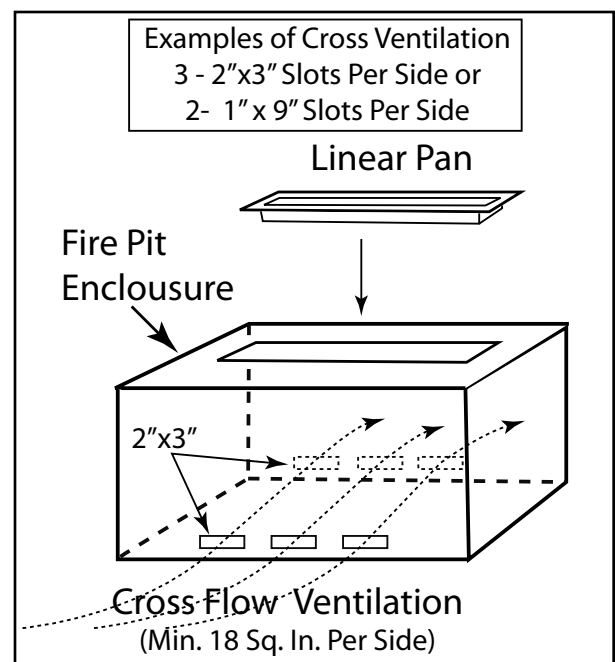


Figure 3. Cross Ventilation Example

FIRE TABLE ASSEMBLY GUIDE

Tools Needed: Crescent Wrench

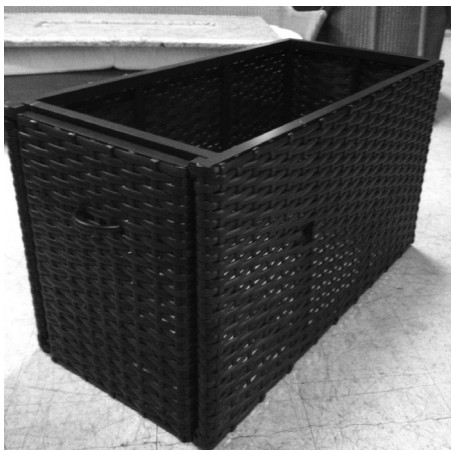


Fig. 4 Place table base on flat surface.

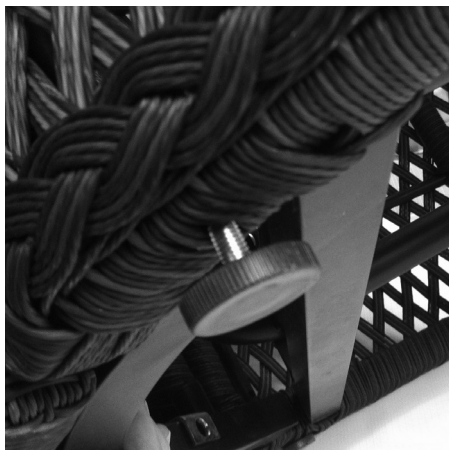


Fig. 5 Use levelers as needed to keep base level.



Fig. 6 Insert Chrome flange into exterior bracket hole.

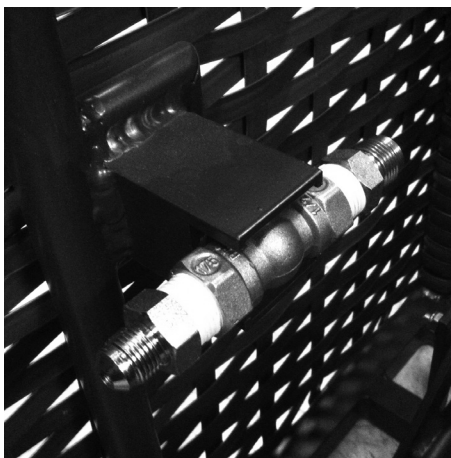


Fig. 7 Place manual valve into gas valve bracket.

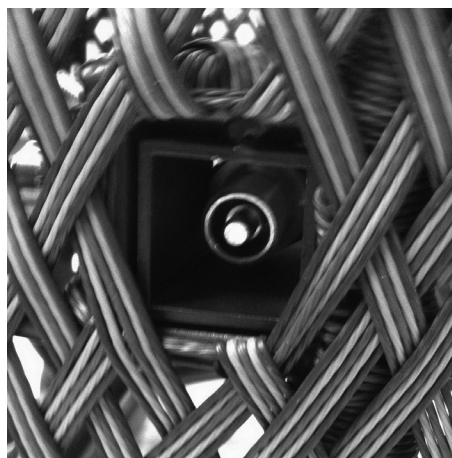


Fig. 8 Bracket and valve as seen from outside base.

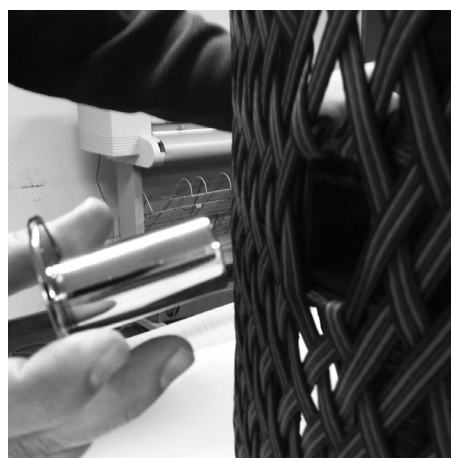


Fig. 9 Insert chrome flange into exterior bracket hole.



Fig. 10 Tighten chrome flange by hand.



Fig. 11 Chrome flange should "sit" as pictured.



Fig. 12 Place table top on base, centering it over the base.

FIRE TABLE ASSEMBLY GUIDE CONTINUED

THIS IS A QUICK SET-UP GUIDE ONLY. ENSURE ALL GAS FITTINGS ARE PROPERLY LEAK TESTED

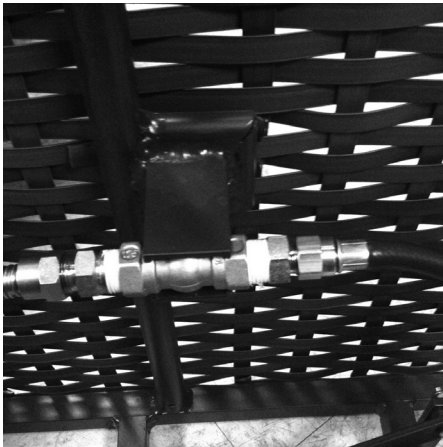


Fig. 13 Attach pressure regulator hose to manual gas valve.



Fig. 14 Attach end of 1/2" flex connector to manual gas valve.

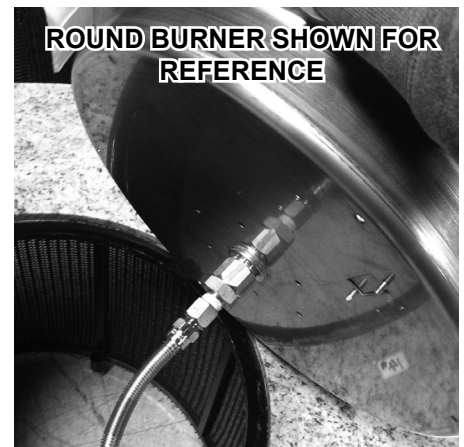


Fig. 15 Attach 1/2" flex connector to 1/2" flared fitting on bottom of pan, secure and gently lower pan into place.

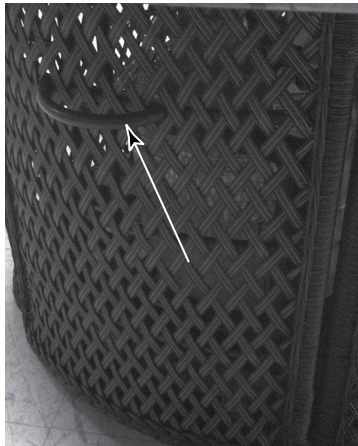


Fig. 16 Remove tank access door with handle (Pull out, lift up).



Fig. 17 Place LP tank in cradle. Lift cradle slowly until tank is upright.

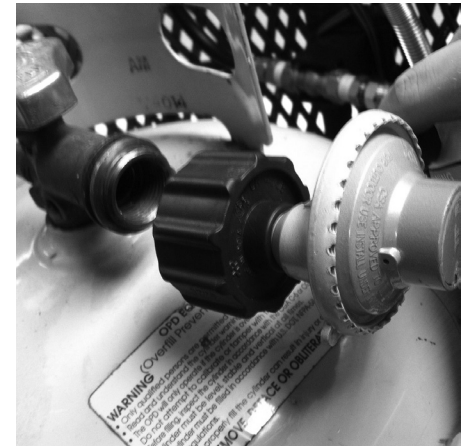


Fig. 18 Secure pressure regulator to LP gas tank.



Fig. 19 Ensure all connections are tight and leak free.



Fig 20 Install tank access door (Drop down, push in).

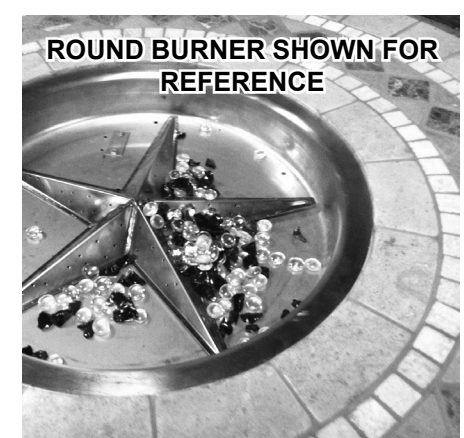


Fig. 21 Add firegear fireglass to burner providing adequate coverage*.

*Three (3) bags of firegear fireglass are recommended for adequate coverage of the burner pan.

LIGHTING INSTRUCTIONS

Ensure air shutter nut (under burner pan) is positioned correctly for fuel being used (See examples A & B).

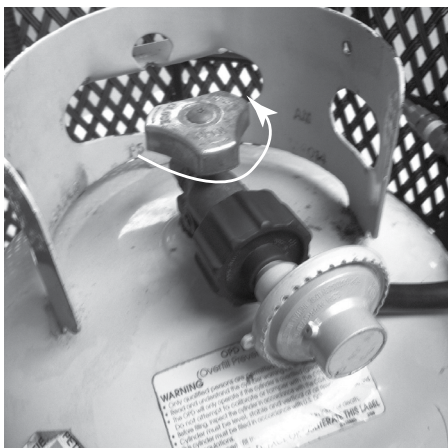


Fig. 22 Turn ON LP tank by turning knob (counter-clockwise)



Fig. 23 Locate chrome flange and insert key. DO NOT TURN.

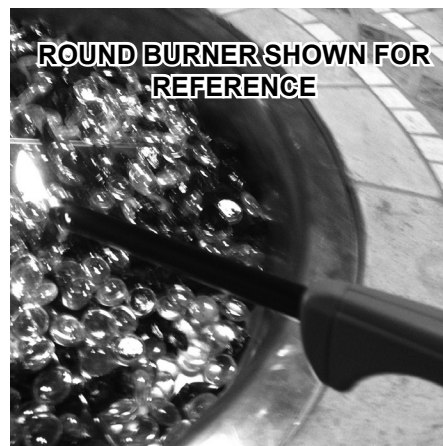


Fig. 24 Light a butane lighter at edge of burner pan.

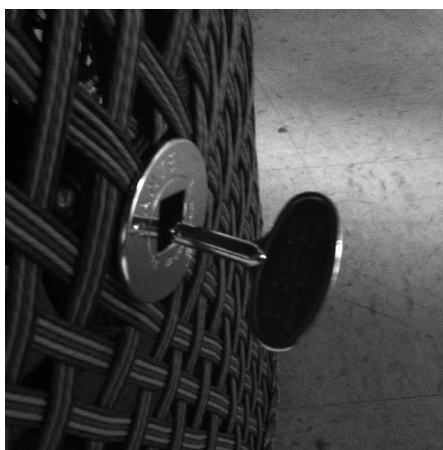


Fig. 25 Slowly turn key (counter clockwise) to ON. Burner will light.

If you are experiencing any problem lighting the burner, close all valves and do not attempt ignition any further. Inspect for leaks and contact Technical Service.

OPERATION

CAUTION: Children and adults should be alerted to the hazards on 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.

WARNING: 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 control system and any gas control, which has been under water.

SAFETY WARNINGS

1. Never leave the Linear Outdoor Fire unattended during operation.
2. Clothing or other flammable materials should not be placed on or near the appliance.
3. Any guard or other protective device removed for servicing the appliance must be replaced prior to operating the appliance.
4. 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 the control compartment, burners and circulating air passageways of the appliance be kept clean.
5. Inspect the fuel supply connection before each use of the appliance.
6. Temporary storage of this appliance indoors is permissible only if it has been disconnected from its fuel supply (Natural or L.P. gas line).

WARNING

1. This appliance is hot when operated and can cause severe burns if contacted.
2. Do not burn any solid fuels in this appliance.

LIGHTING INSTRUCTIONS

READ ALL WARNING AND SAFETY INFORMATION ABOVE BEFORE ATTEMPTING TO LIGHT FIRE PIT

CAUTION: Ensure you have leak tested the fire pit before operating.

TURNING ON FIRE PIT

1. Insert key into shut-off valve and secure into square end (see figs 26 & 27).
2. Light a long match or butane lighter and hold it near the burner (see fig. 28).
3. Turn the key counter-clockwise in gas valve (until it stops) to allow gas to flow and simultaneously apply the long burning match or Butane lighter as close to the end burner as possible to light the fire pit.
4. Gas should ignite within 10 seconds or less. If fire pit does not light within 10 seconds turn key clockwise to turn **OFF** the gas supply. Ensure there is not too much media on top of the burner that might inhibit gas flow and try again in 5 minutes.

TURNING OFF FIRE PIT

1. Insert key into shut-off valve and secure into square end.
2. Turn key clockwise until it stops.
3. After cooling off install cover.

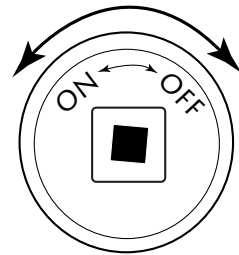


Fig. 26. Key Valve Face

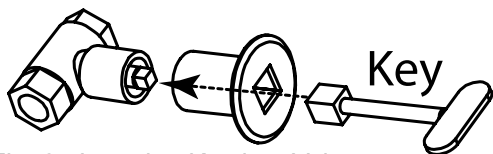


Fig. 27 Inserting Key into Valve

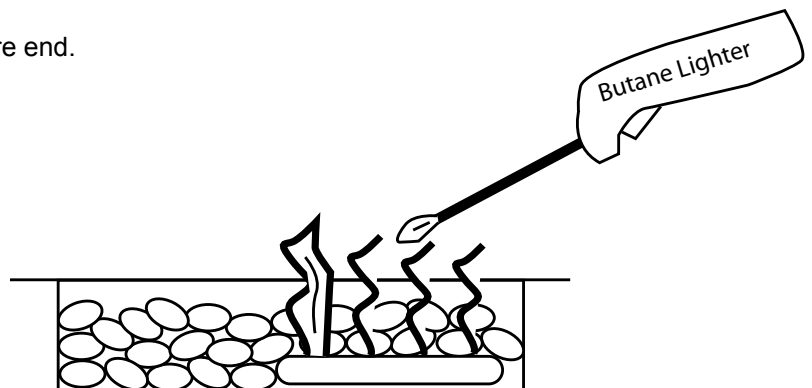
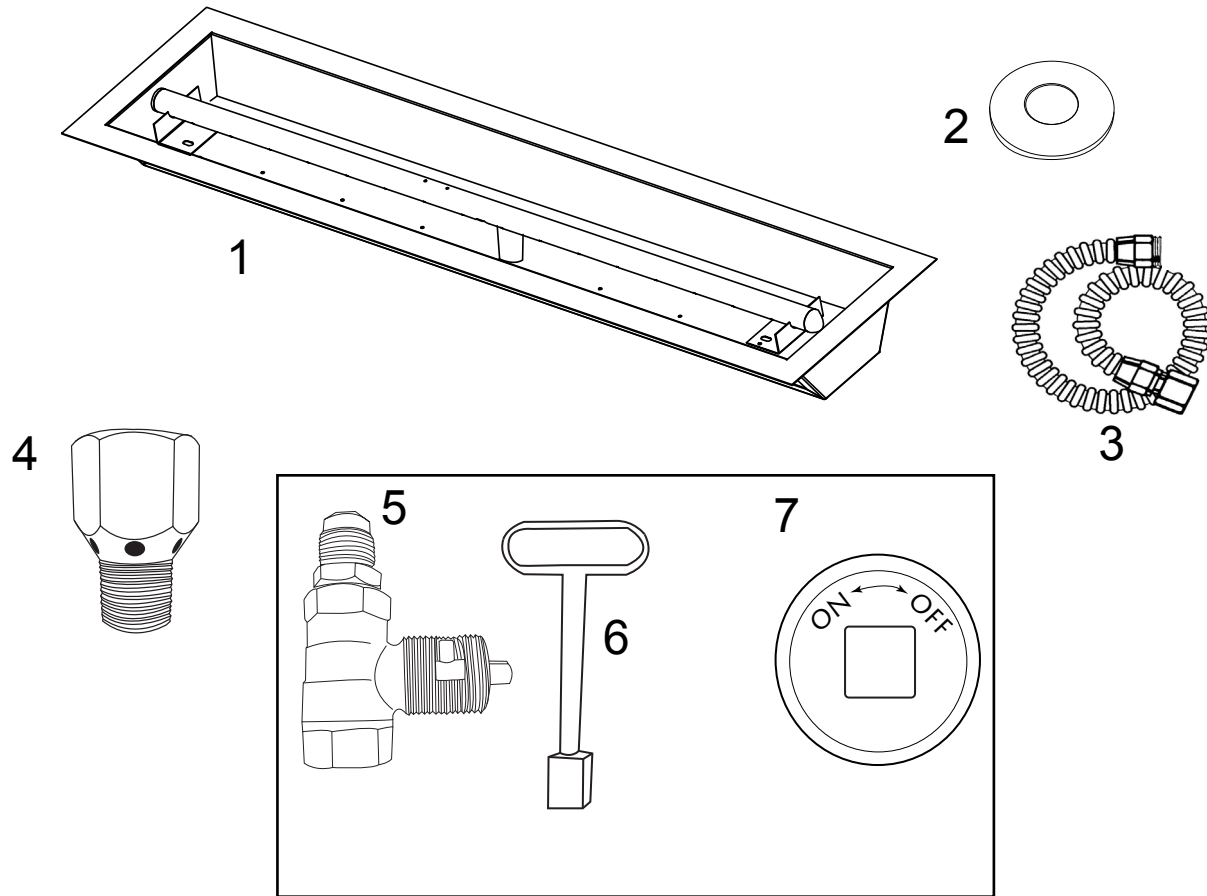


Fig. 28. Lighting the fire pit.

REPLACEMENT PARTS



DRAWINGS NOT TO SCALE

Item	Description	Qty.	Part Number
1	30" Line of Fire Burner & Pan	1	LOF-30
2	Washer	4	ST3-113-1026
3	Flex Connector ½"OD (⅜"ID) X 22"; ½ OD Flare Nuts	1	T200-9898-22
4	Propane Orifice/Air Shutter (#51) (36,531BTU/H)	1	OAS-LP51
5	Std. Capacity Straight Key Valve (Rated 158,000BTU/H @½PSI)	1	BVS
6	Chrome Cover Plate for BVS Key Valve	1	FP.BV.CR.B
7	3-inch Polished Chrome Key for BVS Key Valve	1	NKY.3.CR.B

For Technical Service Call:
1-888-672-8929

MAINTENANCE

1. The Linear Outdoor Fire should be inspected and cleaned before initial use annually by a qualified field service person.
2. Any component that is found faulty must be replaced with an approved component.
3. Any tampering or modifying with the Linear Outdoor Fire is dangerous and voids all warranties.
4. During winter months in cold climates and various seasons operation the Linear Outdoor Fire may be affected by weather conditions. It is recommended to use a ventilated cover overtop of your Linear Outdoor Fire to protect it from humid/rainy weather conditions when not in use. Heavy rains/downpours could affect the Linear Outdoor Fire operation if not covered; if this occurs ensure you allow the Linear Outdoor Fire time to dry out before attempting to operate. **NOTE:** If a combustible type cover is used over the Linear Outdoor Fire when not in use be sure to remove it before operation to prevent a severe safety hazard.
5. Carbon (soot) may build up on the surface of logs (if installed) during heavy use. Sooting may also occur periodically on the screen of the ignitor hood. To clean, brush off with a dry bristle brush or cloth. Keep soot away from clothing or furniture.
6. Over time stainless steel parts discolor when heated, usually a golden or brown hue. This discoloration is normal and does not affect the performance of the appliance.

TROUBLE SHOOTING

Sympton

Remedy

LOF Won't Light

1. Bleed gas line.
2. Ensure all gas supply lines are turned ON.
3. Ensure there is not too much media overtop of burner; it can inhibit gas from flowing.

Low Flame

1. Ensure the base media is at least 1-inch in diameter and top media is no more than 1-inch over top of burner.
2. Adjust air shutter at bottom of Linear Outdoor Fire pit pan.
3. Ensure all shut-off valves and key valve is fully open.

Water in Fire Pit

1. Excess dust/sand material from media may be blocking the weep holes to relieve water. Remove all media and unplug weep holes. Clean or install new media free of dust and dirt.
2. Ensure Linear Outdoor Fire pit enclosure has proper drainage for water and proper ventilation to dry out.

OPTIONAL ACCESSORIES

The following accessories are available from your local **firegear** dealer/distributor. Each accessory comes with a separate installation manual. Read each instruction thoroughly before installing.

 <p>Lava Boulders 3" to 6" size (30lbs.) Model: FG-LB30</p>	 <p>Lava Stones 1" to 2" size. (20lbs.) Model: FG-LS20</p>	 <p>LP regulator with 3/8" MPT adapter Model: FG-LPRK</p>
 <p>Not to scale OAS-NG42 NG Orifice Air Shutter #42 Conversion</p>	 <p>Stainless Lid for LOF-30-P-LF Model: LID30L</p>	 <p>3/8" Quick connect 12' hose for NG or LP gas Model: FG-12QDK</p>

CONVERSION KITS

FOR TECHNICAL SERVICE, CALL:

firegear Outdoors
9230 Conservation Way
Fort Wayne, IN 46809
(888) 672-8929 Fax (888) 431-0585

WEB SITE: www.firegearusa.com

LIMITED WARRANTY

firegear Outdoors, a division of Skytech Products Group hereby warrants to the ORIGINAL PURCHASER of this Linear Outdoor System, that it will be free from material and workmanship defects that prevent safe and correct operation of the product commencing from date of purchase from Fire Gear Outdoors.

Consumer/Non-Commercial Applications

Stainless Steel Burner Pan	5 Years
Stainless Steel - Burner Tube	5 Years
Manual Valve	1 Year

Commercial Applications

Stainless Steel Burner Pan	1 Year
Stainless Steel - Burner Tube	1 Year
Manual Valve	1 Year

When assembled, installed and operated in accordance with the accompanying printed instructions.

Fire Gear may require reasonable proof of your date of purchase. YOU SHOULD RETAIN YOUR SALES SLIP OR INVOICE AND RETURN THE WARRANTY REGISTRATION CARD WITHIN 30 DAYS OF PURCHASE.

This Limited Warranty shall be valid and limited to, the original purchaser only, within the confines of the original site installation.

WARNING: Any modification to this product will void the warranty!

This Limited Warranty shall be limited to the repair and/or replacement of parts that prove defective under normal use and service and which on examination shall indicate, to Fire Gear Outdoor's satisfaction, that they are defective. Before returning any parts, contact Fire Gear Outdoors Customer Service Center. If Fire Gear Outdoors confirms the defect and approves the claim, Fire Gear Outdoors will replace such parts without charge.

The Owner must provide a bill of sale, cancelled check, or payment record to verify purchase date and establish warranty period. Travel, diagnostic cost, service labor to repair the defect and freight charges on warranty parts to and from the factory will be responsibility of the owner. Fire Gear Outdoors will not be responsible for labor charges and/or damage incurred in installation, repair, and replacement or for incidental or consequential damages.

This Limited Warranty does not cover any failures or operating difficulties due to accident, abuse, misuse, alteration, misapplication, vandalism, improper installation or improper maintenance or service, or failure to perform normal and routine maintenance.

Damage due to severe weather conditions such as Hail, Hurricanes, Earthquakes, Tornadoes, Acts of Terrorism, Discoloration due to over heating, Exposure to chemicals (including salt), either directly or in the atmosphere, or Very high humidity, is not covered by this Limited Warranty.

There are no other express warranties except as set forth herein and any applicable implied warranties of merchantability and fitness are limited in duration to the period of coverage of this express written Limited Warranty. Some states do not allow limitation on how long an implied warranty lasts, so this limitation may not apply to you.

Fire Gear Outdoors is not liable for any special, indirect or consequential damages. Fire Gear Outdoor's liability is limited to the purchase price of this Fire Gear Linear Outdoor Fire pit System. Some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation or exclusion may not apply to you.

Fire Gear Outdoors does not authorize any person or company to assume for it any other obligation or liability in connection with the sale, installation, use, removal, return, or replacement of its equipment; and no such representations are binding on Fire Gear Outdoors

This Warranty applies only to products sold at retail and manufactured by: