

# Woodbridge Fireplace Inc.



## OUTDOOR FIRE PIT

**Model FBB-N,P**

### OWNER'S OPERATION AND INSTALLATION MANUAL



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



Report #0401GM004S

Complies with ANS Z21.97.CSA 2.41-2017 "Outdoor Decorative Gas Appliances",  
CSA 2.17-2017 "Gas-Fired Appliances for Use at High Altitudes"

### **DANGER**

If you smell gas:

1. Shut off gas to 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**

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**

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

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

### **DANGER**



### **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 as a camper, tent, car or home

## **WARNING: For Outdoor Use Only**

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

Version française de ce manuel est disponible à partir du site WEB : [www.woodbridgedealer.com](http://www.woodbridgedealer.com)  
French version of this Owners Manual is available at [www.woodbridgedealer.com](http://www.woodbridgedealer.com)

## SAFETY INFORMATION



### WARNINGS

**IMPORTANT:** 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 control compartment, burners and circulating air passageways of the appliance be kept clean.

**⚠ 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 Fire Pit may not be working properly.

**Get fresh air at once!** Have the Fire Pit serviced. Some people are more affected by carbon monoxide than others. These include pregnant women, people with heart or lung disease or anemia, those under the influence of alcohol, and those at high altitudes.

**Natural Gas:** Natural gas is 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.

Make certain you read and understand all warnings. Keep this

manual for reference. It is your guide to safe and proper operation of this appliance.

**⚠ WARNING:** Any change to this appliance or its controls can be dangerous.

1. This appliance, as supplied, is only for use with the type of gas indicated on the rating plate.
2. When an appliance is for connection to a fixed piping system, the installation must conform with local codes, or in the absence of local codes with the *National Fuel Gas Code, ANSI Z223.1/NFPA 54*, or *International Fuel Gas Code*.
3. Keep the appliance area clear and free from combustible materials, gasoline and other flammable vapors and liquids.
4. Do not burn solid fuel in the fireplace after installing the appliance. Do not use this appliance to cook food or burn paper or other objects.
5. **Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.**
6. **Clothing or other flammable materials should not be hung from the appliance, or placed on or near the appliance.**
7. **Young children should be carefully supervised when they are in the area of the appliance.**
8. The appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the *National Electrical Code, ANSI/NFPA 70*.
9. **Do not use appliance if any part has been under water. Immediately call a qualified service technician to inspect the room appliance and to replace any part of the control system and any gas control which has been under water.**
10. Inspect the burner before each use of Outdoor Fire Pit. The burner must be replaced prior to the appliance being put into operation if it is evident that the burner is damaged.
11. Turn the appliance off and let cool before servicing, installing, or repairing. **Any guard or other protective device removed for servicing the appliance must be replaced prior to operating the appliance.** Only a qualified service person should install, service, or repair appliance.

### HIGH ALTITUDE INSTALLATIONS:

The appliance is rated for installations up to 4500' (1372 m) above sea level. Above 4500' the appliance must be de-rated at the factory for the appropriate altitude.

### LOCAL CODES

Install and use Outdoor Fire Pit with care. Follow local codes.

In the absence of local codes, use the latest edition of *The National Fuel Gas Code ANSI Z223.1/NFPA 54* available from:

- \* American National Standards Institute, Inc., 1430 Broadway, New York, NY 10018
- \* National Fire Protection Association, Inc., Batterymarch Park, Quincy, MA 02269.

## PRODUCT ASSEMBLY

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

1. Remove Burner Assembly, and Burner Media from packaging (see **Parts List**)
2. Connect the Burner Assembly to gas supply using supplied flex connector and shutoff valve.
3. Evenly fill the media compartment with burner media (broken tempered glass) fully covering the burner as shown on a picture.

If you are NOT planning to add optional topping media, then fill the media compartment in full and proceed to the step 5.

4. Place and evenly distribute topping media (optional logs or stones) on top of burner media as shown on a picture.



5. Carefully leak test all connections following the procedure on Page 5.

6. Having free access to the valve turn ON the appliance following the procedure on Page 7.



*Make sure the flame is even along the burner and appliance is fully operational and safe for use. Turn OFF the appliance and let it cool.*

### WARNING

Do not operate the appliance without the burner being completely filled with glass media. Lighting the burner without the glass media will cause unsafe temperatures within the appliance.

**CAUTION:** Do not remove the metal data plates attached to the appliance. These plates contain important information.

**NOTICE:** 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 control compartment, burner and circulating air passageways of the appliance be kept clean.

### CLEARANCES TO COMBUSTIBLE MATERIALS:

- Top ..... 72" (183 cm)
- Sides ..... 14" (36 cm)
- Floor ..... 4" (10 cm)

### FUEL PRESSURE SPECIFICATION:

- Inlet Natural Gas (NG) Min ..... 5.0" W.C.  
Max ..... 10.5" W.C.
- Inlet Propane Min ..... 11.0" W.C.  
Max ..... 13.0" W.C.
- Manifold Natural Gas (NG) ..... 4.0" W.C.
- Manifold Propane ..... 10.0" W.C.

## FIRE PIT INSTALLATION (EXAMPLES)

Clearance to combustibles must be maintained according to Page 3.



Non-combustible materials only





## CONNECTING TO GAS SUPPLY

**⚠ WARNING:** A qualified service person must connect appliance to gas supply. Follow all local codes.

### Installation Items Needed

Before installing the Outdoor Fire Feature, make sure you have all items listed below:

- piping (check local codes)
- sealant
- manual shutoff valve
- adjustable (crescent) wrench or pliers
- sediment trap
- tee joints
- pipe wrench

**⚠ CAUTION:** Use only new, black iron or steel pipe. Internally tinned copper tubing may be used in certain areas. Use pipe of 1/2" diameter or greater to allow proper gas volume to Linear Burner System. If pipe is too small, undue loss of pressure will occur.

Installation must include a manual shutoff valve, union, and plugged 1/8" NPT tap. Locate NPT tap within reach for test gauge hook up. NPT tap must be upstream from the appliance.

Apply pipe joint sealant lightly to male threads. This will prevent excess sealant from going into pipe. Excess sealant in pipe could result in a clogged burner injector.

Install sediment trap in supply line as shown below. Locate sediment trap where it is within reach for cleaning and trapped matter is not likely to freeze. A sediment trap

traps moisture and contaminants. This keeps them from going into Outdoor Fire Pit controls.

If sediment trap is not installed or is installed wrong, unit may not run properly.

## CHECKING GAS CONNECTION

**⚠ WARNING:** Test all gas piping and connections for leaks after installing or servicing. Correct all leaks at once.

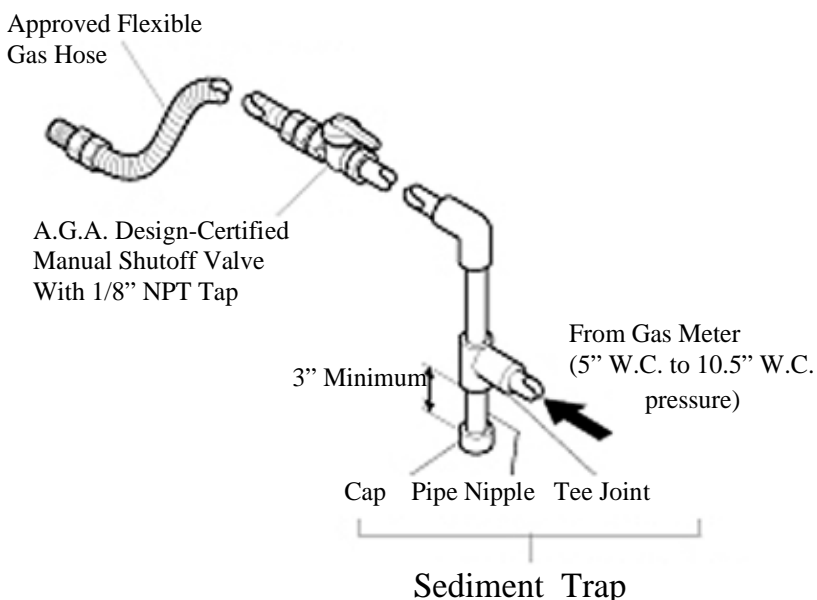
**⚠ WARNING:** Never use an open flame to check for a leak. Apply a mixture of liquid soap and water on all joints. Bubbles forming show a leak. Correct all leaks at once.

### Test Pressures in Excess Of 1/2 psi (3.5 kPa)

The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi (3.5 kPa).

### Test Pressures Equal To or Less Than 1/2 psi (3.5 kPa)

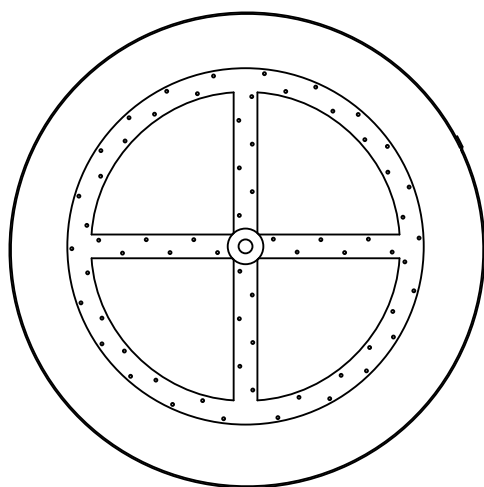
The appliance must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psi (3.5 kPa).



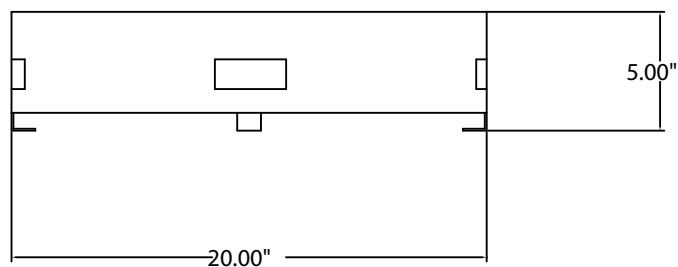
## OUTDOOR FIRE PIT

### DIMENSIONS

TOP VIEW



SIDE VIEW



MODEL #	GAS TYPE	INPUT RATE (BTU/h)	ORIFICE SIZE	BURNER PORTS	PORT SIZE
FBB - N	NATURAL	60,000	28	66	1/8"
FBB - P	PROPANE	54,000	43	66	1/8"

**IMPORTANT:** Minimum ambient air temperature for the fire pit operation is 0°C (32°F)

# LIGHTING INSTRUCTION

## FOR YOUR SAFETY READ BEFORE OPERATING

### WARNING

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

### WARNING

IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE OR MAINTENANCE CAN CAUSE INJURY OR PROPERTY DAMAGE. REFER TO THE OWNER'S MANUAL PROVIDED WITH THIS APPLIANCE. FOR ASSISTANCE OR ADDITIONAL INFORMATION CONSULT A QUALIFIED INSTALLER, SERVICE AGENCY, OR THE GAS SUPPLIER. WHEN LIGHTING THE BURNER, DO NOT FULLY OPEN VALVE. PRESSURE WILL EXTINGUISH MATCH.

### WARNING

DO NOT STORE OR USE GASOLINE OR OTHER FLAMMABLE VAPOURS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APLLIANCE.

## LIGHTING INSTRUCTIONS

1. Locate the manual Gas Control Valve (see also Parts List).
2. Place the firestarter near the burner ports on top of the burner. Light the firestarter.
3. For a Natural Gas Fire Pit, turn on the ON/OFF valve slowly at the unit.  
For a propane Fire Pit, turn the valve in the propane tank counter clockwise all the way and then turn on the ON/OFF valve slowly at the unit.
4. If the burner does not light before the match goes out, immediately turn the gas OFF!
5. Wait at least five (5) minutes to clear any gas, then smell for gas including near the base of the unit. If you smell gas, STOP! Refer to the safety information in the Owner's Manual. If You DON'T SMELL GAS, repeat step 2.



## TO TURN OFF GAS

For Natural Gas Fire Pit turn the ON/OFF valve to OFF position at the unit. For propane unit turn the ON/OFF valve to OFF position at the unit and then turn the valve on the propane tank clockwise to the OFF position.



Manual Shutoff Valve  
in "ON" position

Manual Shutoff Valve  
in "OFF" position



### WARNING

Turn off gas before servicing Firepit. It is recommended that a qualified service technician perform these check-ups at the beginning of each heating season.

### BURNER

Keep the control clean by vacuuming or brushing at least twice a year. Make sure the burner porting and burner air openings are free of obstructions at all times.

Inspect area around the burner. Remove any lint or foreign material with a brush or vacuum cleaner.

The flame from the burner should be visually checked as soon as the unit is installed and periodically during normal operation.

The burner must be replaced prior to the appliance being put into operation if it is evident that the burner is damaged.



NORMAL FLAME

## TROUBLESHOOTING

**⚠ WARNING: Turn off the unit and let cool before servicing. Only a qualified service person should service and repair this appliance.**

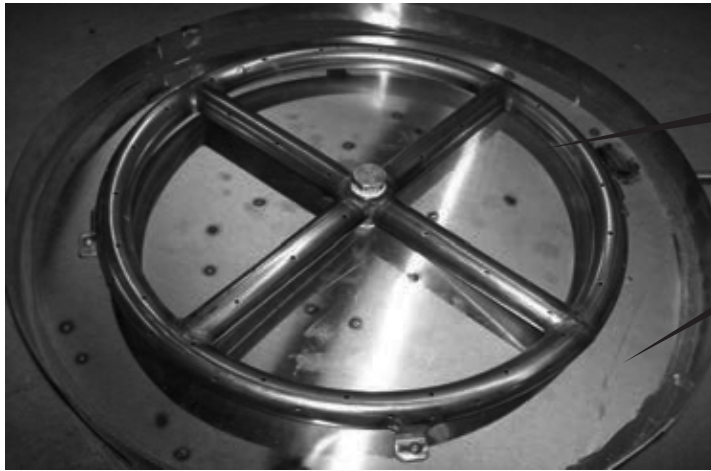
*Note:* All troubleshooting items are listed in order of operation.

OBSERVED PROBLEM	POSSIBLE CAUSE	REMEDY
Unit is smoking / sooting excessively ( <i>Note:</i> It is natural and unavoidable for appliance sets to produce moderate levels of carbon (soot) where flames contact the media.)	<ol style="list-style-type: none"> <li>Poor fuel quality</li> <li>Excessive flame impingement or blockage</li> <li>Improper fuel/air mixture</li> </ol>	<ol style="list-style-type: none"> <li>Contact local natural gas company</li> <li>Separate the stones or logs to allow more flame passage</li> <li>Remove any foreign items from the flame pattern and/or check for proper orifice sizing</li> </ol>
Burner is excessively noisy ( <i>Note:</i> The movement and combustion of gas will create low, unavoidable levels of noise.)	<ol style="list-style-type: none"> <li>Passage of air/gas across irregular surfaces</li> <li>Excessive gas pressure on natural gas units</li> </ol>	<ol style="list-style-type: none"> <li>Relieve any tight bends or kinks in gas supply line</li> <li>Check/reset gas regulator pressure</li> </ol>
Burner flame is too low or too high	<ol style="list-style-type: none"> <li>Incorrect gas supply or pressure</li> <li>Blocked burner orifice or burner manifold ports</li> <li>Improper burner orifice size</li> <li>Too much media around pilot area.</li> </ol>	<ol style="list-style-type: none"> <li>Check for proper gas supply pressure</li> <li>Free burner orifice and burner ports of any burrs, paint, or other blockage</li> <li>Verify proper burner orifice sizing (see page 6)</li> <li>Clear area in front of pilot assembly, make sure pilot flame is positioned correctly</li> </ol>
Unit produces unwanted odors	<ol style="list-style-type: none"> <li>Gas leak. See Warning statement above.</li> </ol>	<ol style="list-style-type: none"> <li>Locate and correct all leaks (see Checking Gas Connections, page 5)</li> </ol>

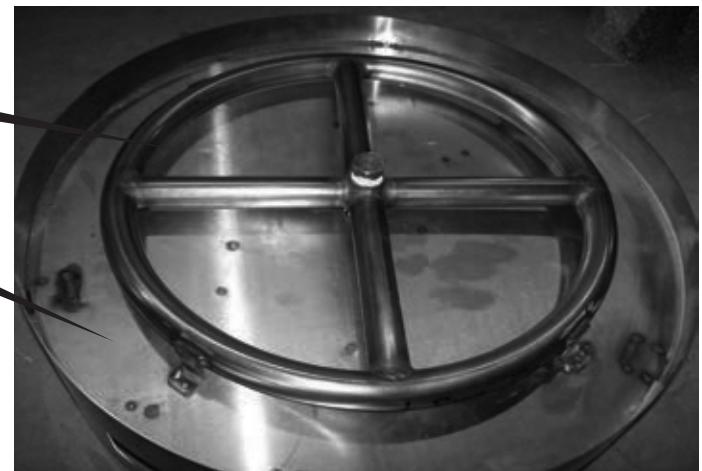
**IMPORTANT:** Operating unit where impurities in air exist may create odors. Cleaning supplies, paint, paint remover, cigarette smoke, cements and glues, new carpet or textiles, etc., create fumes. These fumes may mix with combustion air and create odors. These odors will disappear over time.

## ILLUSTRATED PARTS LIST

FOR PART DESCRIPTION SEE NEXT PAGE



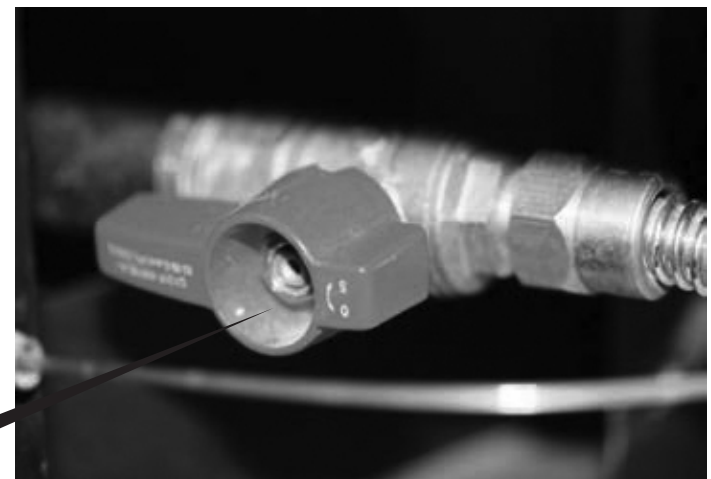
PROPANE BURNER



NATURAL GAS BURNER



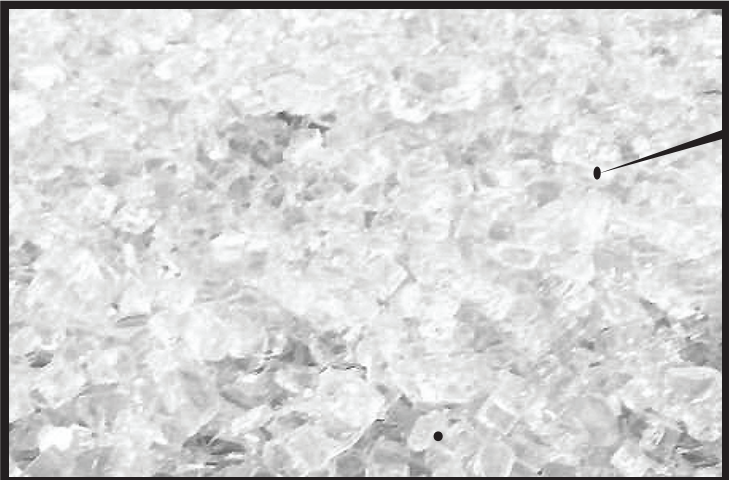
INLET WITH PRESSURE REGULATOR



MANUAL SHUT OFF VALVE

# ILLUSTRATED PARTS LIST (Continued)

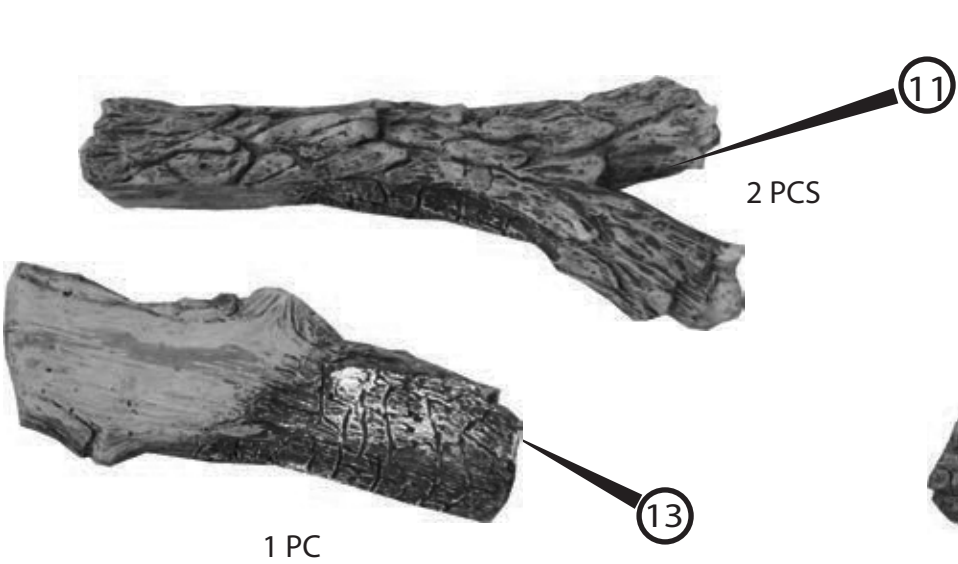
FOR PART DESCRIPTION SEE NEXT PAGE



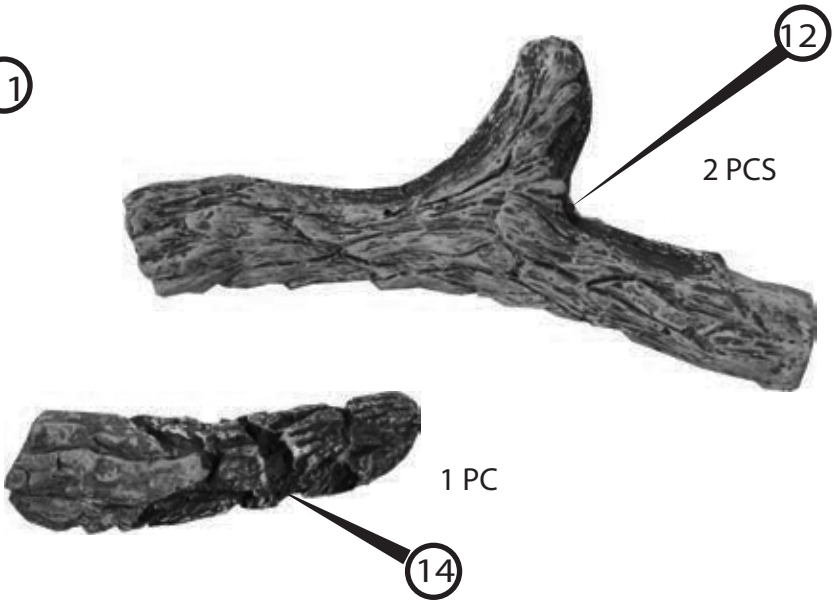
BURNER GLASS MEDIA



OPTIONAL STONES



OPTIONAL LOG SET





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## REPLACEMENT PARTS

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**REPLACEMENT PARTS ARE AVAILABLE THROUGH YOUR RETAILER**

Item	Description	QTY	FBB-N,P	
			Natural	Propane
1	Burner Assembly	1	W600001	W600002
2	Burner Tray	1	W600003	W600003
3	Elbow	1	H100036	H100036
5	Orifice	1	F200016	F200015
4	Reducer Bushing	1	H100007	N/A
6	Pressure Regulator	1	F200110	F200111
7	Flex Connector	1	C100072	C100072
8	Shutoff Valve	1	F200066	F200066
9	Glass Media (standard)	1	G100048	G100048
10	Stones (optional)	1	G100049	G100049
	<b>LOG SET (optional)</b>	1	M100503	M100503
11	Log #1	2		
12	Log #2	2		
13	Log #3	1		
14	Log #4	1		

### WARNING

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

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# WARRANTY INFORMATION

## KEEP THIS FOR WARRANTY

Model \_\_\_\_\_

Serial No. \_\_\_\_\_

Date Purchased \_\_\_\_\_

Always specify model and serial numbers when communicating with the factory.

## LIMITED LIFETIME WARRANTY

The following components are warranted for life to the original owner, subject to proof of purchase: Fire Pit.

### BASIC WARRANTY

Woodbridge Fireplace Inc. warrants the components and materials in your appliance to be free from manufacturing and material defects for a period of two years from date of installation. After installation, if any of the components manufactured by Woodbridge Fireplace in the appliance are found to be defective in materials or workmanship, Woodbridge Fireplace will, at its option, replace or repair the defective components at no charge to the original owner. Woodbridge Fireplace will also pay for reasonable labor cost incurred in replacing or repairing such components for a period of two years from date of installation. Any products presented for warranty repair must be accompanied by a dated proof of purchase.

This Limited Lifetime Warranty will be void if the appliance is not installed by a qualified installer in accordance with installation instructions. The Limited Lifetime Warranty will also be void if the appliance is not operated and maintained according to the operating instructions supplied with the appliance, and does not extend to (1) firepit burner assembly damaged by accident, neglect, misuse, abuse, alterations, negligence of others, including the installation thereof by unqualified installers, (2) the costs of removal, reinstallation or transportation of defective parts on the appliance, or (3) incidental or consequential damage. All service work must be performed by an authorized service representative.

This warranty is expressly in lieu of other warranties, express or implied, including the warranty of merchantability of fitness for purpose and of all other obligations or liabilities. Woodbridge Fireplace does not assume for it any other obligations or liabilities in connection with sale or use of the appliance. In states that do not allow limitations on how long an implied warranty lasts, or do not allow exclusion of indirect damage, those limitations of exclusions may not apply to you. You may also have additional right not covered in the Limited Lifetime Warranty. Woodbridge Fireplace reserves the right to investigate any and all the claims against this Warranty and decide upon method of settlement. For information about this warranty contact:

**Woodbridge Fireplace Inc.**  
**1305 Meyerside Dr., Mississauga**  
**Ontario, Canada L5T 1C9**

**Tel.: 1-905-564-3001**

**[www.woodbridgedealer.com](http://www.woodbridgedealer.com)**