



# Installation and Operation Instructions

## Astria™ Vented Decorative Gas Log Set

P/N 126897-01 Rev.A 02/2014



Models

Cascade18XN	Cascade24XN	Cascade30XN
-------------	-------------	-------------



P126897-01

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

This appliance may be installed in an aftermarket permanently located, manufactured (mobile) home, where not prohibited by local codes. This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases.

**WARNING:** This appliance is for installation only in a solid-fuel burning masonry or UL127 factory-built fireplace, constructed of noncombustible material and connected to a working flue. (See page 6 for minimum flue opening.)

**WARNING:** This is a gas-fired appliance. It uses air (oxygen) from the room in which it is installed. Provisions for adequate combustion and ventilation air must be provided. Refer to the National Fuel Gas Codes, ANSI Z233.1/NFPA 54, Section 5.3 for Combustion and Ventilation.

**⚠ WARNING:** If the information in these instructions 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.

## TABLE OF CONTENTS

Safety .....	2	Service Hints .....	13
Product Identification .....	4	Technical Service .....	13
Local Codes .....	5	Replacement Parts .....	13
Unpacking .....	5	Accessories .....	13
Installation .....	5	Parts .....	14
Operation .....	10	Warranty .....	Back Cover
Cleaning and Maintenance .....	10		
Troubleshooting .....	11		

## SAFETY

**⚠ 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.

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

\* Aftermarket: Completion of sale, not for purpose of resale, from the manufacturer.

**⚠ WARNING:** This appliance is for installation only in a solid-fuel burning masonry or UL127 factory-built fireplace, constructed of noncombustible material and connected to a working flue. (See page 6 for minimum flue opening.)

**⚠ WARNING:** This is a gas-fired log set. It uses air (oxygen) from the room in which it is installed. Provisions for adequate combustion and ventilation air must be provided. Refer to the *National Fuel Gas Codes, ANSI Z233.1/ NFPA 54, Air for Combustion and Ventilation*.

**State of Massachusetts:** The installation must be made by a licensed plumber or gas fitter in the Commonwealth of Massachusetts.

**⚠ WARNING:** This product contains and/or generates chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

**⚠ WARNING:** Keep flue open when operating unit.

**IMPORTANT:** Read this owner's manual carefully and completely before trying to assemble, operate or service this log set. Improper use of this log set can cause serious injury or death from burns, fire, explosion, electrical shock and carbon monoxide poisoning.

# SAFETY

*Continued*

**⚠ 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 at once!** Have log set 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 log set.

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

**⚠ WARNING: Do not use a blower insert, heat exchanger insert or other accessory not approved for use with this appliance.**

**⚠ WARNING: This appliance is equipped for natural gas. Field conversion is not permitted.**

**⚠ WARNING: Do not allow fans to blow directly into the fireplace. Avoid any drafts that alter burner flame patterns.**

**Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.**

**Do not place clothing or other flammable material on or near the appliance. Never place any objects on the log set.**

**Log set becomes very hot when running. Keep children and adults away from hot surface to avoid burns or clothing ignition. Log set will remain hot for a time after shutdown. Allow surface to cool before touching.**

**Carefully supervise young children when they are in the room with log set. .**

**You must operate this log set with a fireplace screen in place. Make sure fireplace screen is closed before running log set.**

**Keep the log set area clear and free from combustibile materials, gasoline and other flammable vapors and liquids.**

**Children and adults should be alerted to the hazard of high temperature and should stay away to avoid burns or clothing ignition.**

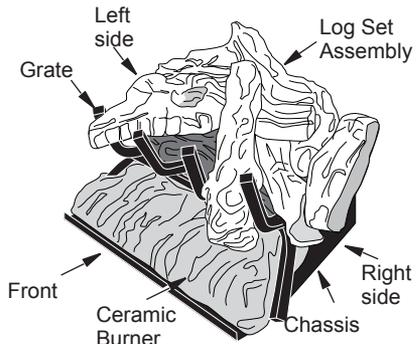
# SAFETY

## Continued

1. This appliance, as supplied, is for use with NATURAL GAS ONLY. This appliance is not convertible for use with other gases.
2. If you smell gas
  - shut off gas supply
  - 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
3. Never install the log set
  - in a recreational vehicle
  - where curtains, furniture, clothing or other flammable objects are less than 42" from the front, top or sides of the log set.
  - in high traffic areas
  - in windy or drafty areas
4. 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. Creosote will ignite if highly heated. Inspect chimney flue for damage. If damaged, repair flue before operating appliance.
5. You must operate this log set with fireplace screen in place and fully closed.
6. This log set is designed to be smokeless. If logs ever appear to smoke, turn off appliance and call a qualified service person.  
*Note: During initial operation, slight smoking could occur due to log curing and the burning of manufacturing residues. You may wish to add more ventilation by opening a window.*
7. To reduce the creation of soot, follow the instructions in Cleaning and Maintenance, page 10.
8. The installation and provisions for combustion and ventilation air must conform with the *National Fuel Gas Codes, ANSI Z233.1/NFPA 54, Air for Combustion and Ventilation*.
9. Do not run log set
  - where flammable liquids or vapors are used or stored
  - under dusty conditions
10. Do not burn solid fuel in the fireplace after installing the log set. Do not use this log set to cook food or burn paper or other objects.
11. To help prevent breakage, new logs must be broken-in (see curing logs, page 10).
12. Do not use log set if any part has been exposed to or under water. Immediately call a qualified service technician to inspect the room log set and to replace any part of the control system and any gas control which has been under water.
13. Turn log set off and let cool before servicing, installing or repairing. Only a qualified service person should install, service or repair log set.
14. Provide adequate clearances around air openings.

## PRODUCT IDENTIFICATION

**⚠ 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.



**Figure 1 - Product Identification (Ramp Pan Burner)**

## LOCAL CODES

Install and use log set with care. Follow all 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.  
Battery march park  
Quincy, MA 02269

## UNPACKING

**⚠ CAUTION: Do not remove the data plates from the grate assembly. The data plates contain important warranty and safety information.**

1. Remove logs, hearth kit, pan materials and hardware from carton.
2. Remove all protective packaging applied to logs and base for shipment.
3. Check all items for any shipping damage. If damaged call INNOVATIVE HEARTH PRODUCTS at 1-800-655-2008 for replacement parts before returning to dealer.

## INSTALLATION

**⚠ WARNING: 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. Creosote will ignite if highly heated. A dirty chimney flue may create and distribute soot within the house. Inspect chimney flue for damage. If damaged, repair flue damper before operating appliance.**

**NOTICE: Installation, service and repair of this appliance must be performed by a qualified installer, service agency, company or gas supplier experienced with this type of gas appliance. Only factory authorized components listed in these instructions may be used in accordance with the manufacturer's instructions and all codes and requirements of the authority having jurisdiction. Any modifications to or use of unauthorized components or accessory items will void the manufacturer's warranty and may result in a hazardous condition.**

### CHECK GAS TYPE

Use only natural gas. If your gas supply is not natural gas, DO NOT install this gas log set. If the fireplace does not have a gas supply shutoff valve, one must be installed.

**⚠ WARNING: This appliance is equipped for natural gas. Field conversion is not permitted.**

### FLUE OPENING SPECIFICATIONS

*Note: This vented appliance must be installed only in a solid-fuel burning fireplace constructed of noncombustible material.*

The charts in figure 2, page 6 indicate technical information regarding the installation of your gas log set. Please make sure that all of the specifications shown are applicable before installation is attempted.

The fireplace must include a flue and venting system with the minimum openings shown in figure 2, page 6.

# INSTALLATION

Continued

MODEL	BURNER	BTU INPUT	MIN. VENT OPENING
Cascade18XN	18" Ramp	59,000	8" dia.
Cascade24XN	24" Ramp	69,000	8" dia.
Cascade30XN	30" Ramp	74,000	8" dia.

MINIMUM FIREBOX SIZES				
MODEL	FRONT WIDTH	BACK WIDTH*	DEPTH	HEIGHT
Cascade18XN	28"	16"	14"	18"
Cascade24XN	29 3/4"	17"	15 1/2"	18"
Cascade30XN	36"	27"	18"	18"

\*At depth indicated

BURNER ORIFICE		
LOG SIZE	NATURAL	
	INCHES	NO.
18"	0.1495	25
24"	0.1570	22
30"	0.1660	19

SPECIFICATIONS (W.C.)			
FUEL INLET PRESSURE	MANIFOLD PRESSURE		MANIFOLD PRESSURE
	MIN.	MAX.	
NG	5.5"	10.5"	3.5

Figure 2 - Technical Information Charts

## VENTING SPECIFICATIONS FOR INSTALLATION

The fireplace chimney flue and vent must be drafting properly. To check the vent for proper drafting: Light a tightly rolled newspaper on one end and place it at the inside front edge of the fireplace. Observe the smoke and be sure the vent is properly drawing it up the chimney. If the smoke spills out into the room, extinguish the flame and remove any obstruction until proper venting is achieved.

The chimney flue must remain open a minimum of 3" at all times during operation of this log set.

## INSTALLING DAMPER CLAMP

Secure the damper stop clamp to the edge of the damper as shown in Figure 3. If for any reason this clamp doesn't work on your fireplace, another suitable clamp or permanent stop must be installed, or the damper blade must be cut or removed.

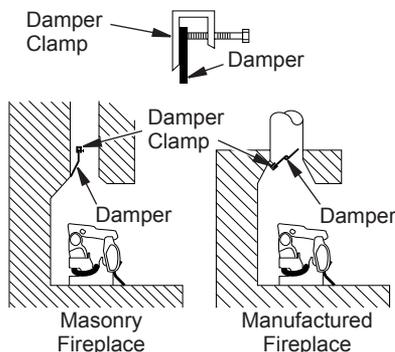


Figure 3 - Attaching Damper Clamp

## CONNECTING TO GAS SUPPLY

**WARNING:** A qualified service person must connect this log set to gas supply. Follow all local codes.

**WARNING:** Never connect natural gas fireplace to private (non-utility) gas wells. This gas is commonly known as wellhead gas.

### Installation Items Needed

Before installing log set, make sure you have the items listed below.

- piping (check local codes)
- sealant (resistant to propane/LP gas)
- equipment shutoff valve \*
- test gauge connection \*
- sediment trap
- tee joint
- pipe wrench
- Adjustable (crescent) wrench or pliers

# INSTALLATION

Continued

\* An equipment shutoff valve with 1/8" NPT tap is an acceptable alternative to test gauge connection. Purchase the optional equipment shutoff valve from your dealer.

**CAUTION:** Use only new, black iron or steel pipe. Internally-tinned copper tubing may be used in certain areas. Check your local codes. Use pipe of 1/2" diameter or greater to allow proper gas volume to the log set. If pipe is too small, undue loss of volume will occur.

Installation must include an equipment 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 log set (see Figure 4).

**IMPORTANT:** Install equipment shutoff valve in an accessible location. The equipment shutoff valve is for turning on or shutting off the gas to the appliance.

Apply pipe joint sealant lightly to male NPT threads. This will prevent excess sealant from going into pipe. Excess sealant in pipe could result in clogged log set valves.

**WARNING:** Use pipe joint sealant that is resistant to liquid petroleum (LP) gas.

We recommend that you install a sediment trap in supply line as shown in Figure 4. Locate sediment trap where it is within reach for cleaning. Install in piping system between fuel supply and appliance. Locate sediment trap where trapped matter is not likely to freeze. A sediment trap traps moisture and contaminants. This keeps them from going into the log set's controls. If sediment trap is not installed or is installed wrong, the log set may not run properly.

**CAUTION:** Avoid damage to gas control. Hold gas control with wrench when connecting it to gas piping and/or fittings.

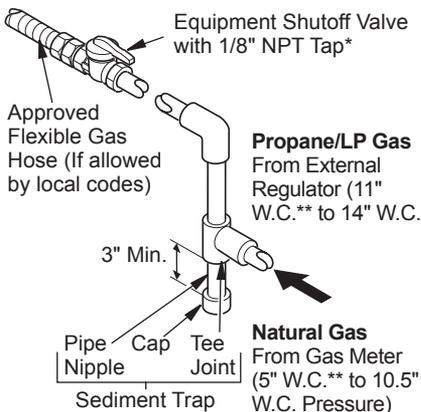


Figure 4 - Gas Connection

\* Purchase the optional shutoff valve from your dealer.

\*\* Minimum inlet pressure for purpose of input adjustment.

## CHECKING GAS CONNECTIONS

**WARNING:** Test all gas piping and connections, internal and external to unit, for leaks after installing or servicing. Correct all leaks at once.

**WARNING:** Never use an open flame to check for a leak. Apply a noncorrosive leak detection fluid to all joints. Bubbles forming show a leak. Correct all leaks at once.

## PRESSURE TESTING GAS SUPPLY PIPING SYSTEM

Test Pressures In Excess Of 1/2 PSIG (3.5 kPa)

1. Disconnect appliance with its individual equipment shutoff valve from gas supply piping system.
2. Cap off open end of gas pipe where equipment shutoff valve was connected.
3. Pressurize supply piping system by either using compressed air or opening main gas

# INSTALLATION

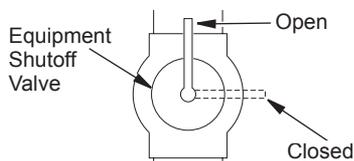
*Continued*

valve located on or near gas meter.

4. Check all joints of gas supply piping system. Apply noncorrosive leak detection fluid to gas joints. Bubbles forming show a leak.
5. Correct all leaks at once.
6. Reconnect log set and equipment shutoff valve to gas supply. Check reconnected fittings for leaks.

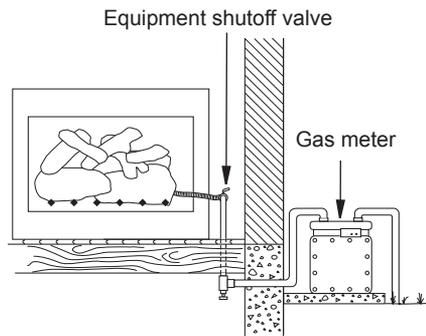
## Test Pressures Equal To or Less Than 1/2 PSIG (3.5 kPa)

1. Close equipment shutoff valve (see Figure 5).
2. Pressurize supply piping system by either using compressed air or opening main gas valve located on or near gas meter.



**Figure 5 - Equipment Shutoff Valve**

3. Check all joints from gas meter to equipment shutoff valve (see Figure 6). Apply noncorrosive leak detection fluid to all joints. Bubbles forming show a leak.
4. Correct all leaks at once.



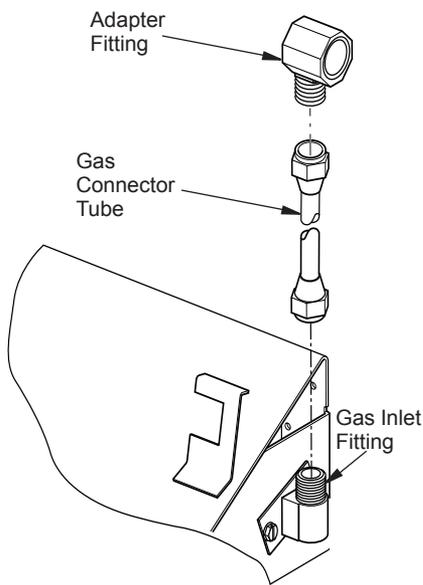
**Figure 6 - Checking Gas Joints**

## HEARTH KIT ASSEMBLY AND INSTALLATION

1. Determine which side the gas line will be coming into the fireplace.

**NOTICE:** Unit comes preassembled with gas inlet on right side. If your fireplace gas supply is on the left, gas inlet should be repositioned to the left side of the unit.

2. If gas supply line in your fireplace is on the right side, continue to step 3. If not, see Repositioning the Gas Inlet to the Left Side of Unit, page 9.
3. Install adapter fitting that comes with log set into fireplace gas supply pipe (see figure 7). Seal using thread sealant.



**Figure 7 - Connecting Adapter to Gas Supply**

4. Place log set assembly in center of fireplace floor. Make sure front faces forward.
5. Install gas connector tube into gas supply fitting. Carefully shape tube to attach to adapter fitting being careful not to kink tube.
6. Install provided gas connector tube into the gas inlet fitting (see Figure 7, page 8).

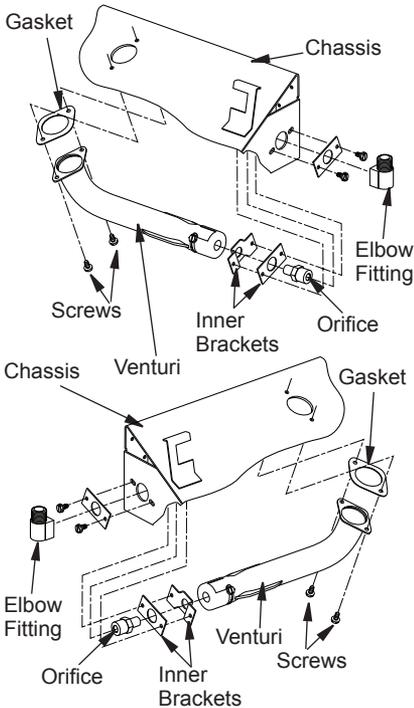
# INSTALLATION

## Continued

7. Test for leaks following instructions under Testing Burner for Leaks.

### Repositioning Gas Inlet to Left Side of Unit

1. Remove venturi and gasket by unscrewing two screws under chassis (see Figure 8).



**Figure 8 - Repositioning Gas Inlet to Left Side of Unit**

2. Unthread elbow fitting from orifice (see Figure 8).
3. Remove orifice and brackets by unscrewing two screws on right side of unit (see Figure 8).
4. Install orifice and brackets into left side of unit using screws removed in step 1.
5. Install venturi and gasket under bottom burner and into repositioned orifice and brackets (see Figure 8).
6. Thread elbow fitting back into orifice. Apply thread sealant to orifice threads (see Figure 8).

7. Install gas connector tube that comes with log set into gas inlet fitting (see Figure 8).
8. Install supplied brass adapter fitting that comes with log set into fireplace gas supply pipe. Use thread sealant (see Figure 8).
9. Place log set assembly in center of fireplace floor. Make sure front faces forward.
10. Install gas connector tube into gas supply fitting. Carefully shape tube to attach to adapter fitting. Be careful not to cause kinks in tube.
11. Test for leaks following instructions under Testing Burner for Leaks.

### TESTING BURNER FOR LEAKS

1. Generously apply noncorrosive leak detection fluid to all connections.

**WARNING:** Never check for gas leaks with open flame.

2. Light burner with shutoff valve no more than half open and holding a match slightly in front of the pan (see lighting instructions, page 10).
3. Inspect all connections for bubble, raw gas odors, or flame or flame from any area other than burner. If leaks are detected, shutoff gas valve immediately. Tighten or reassemble the loose connections using pipe joint compound until burner system is leak free.
4. When finished testing, turn gas shutoff valve OFF to extinguish all flames.

# OPERATION

## FOR YOUR SAFETY READ BEFORE LIGHTING

**⚠ WARNING: Keep flue open when operating unit.**

**⚠ 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. 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

- Do not try to light any appliance.
  - Do not touch any electric 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.
- B. 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 under water.**

## LIGHTING INSTRUCTIONS

1. STOP! Read the safety information above.
2. Turn gas shutoff valve to OFF.
3. Wait five (5) minutes to clear out any gas. If you then smell gas, STOP! Follow "A" in the safety information, column 1. If you don't smell gas, go to the next step.
4. Light a match and lay it on top of pan material about 2" from end of supply side of pan.
5. Slowly turn gas shutoff valve ON until the burner ignites. If burner does not ignite within 10 seconds with the match burning, turn shutoff valve OFF and repeat steps 1 through 4 again.

## GAS SHUTOFF VALVE OPERATION

### Flame Adjustment

Adjust flame ON/OFF by turning gas shutoff valve counterclockwise ↺ to open and clockwise ↻ to close as necessary.

### Shutting Off Appliance

Turn gas shutoff valve clockwise ↻ to OFF position (see Figure 5, page 8).

## CURING LOGS

During the 2-3 hour appliance break in period, you may detect an odor from appliance as the various paints and compounds used in the manufacturing of this log set cure. This is a normal and temporary situation that is not cause for alarm. However, you may want to provide extra ventilation to the room during this time.

To ensure proper curing of logs:

- Ignite a 2" flame and maintain for 1 hour
- Burn logs in consecutive 1 hour periods raising flame an additional 2" to full height for a total of 3 hours.

## CLEANING AND MAINTENANCE

- Keep area around log set clean and clear of debris.
- Occasionally use a soft bristle brush to clean logs.
- Once every year a qualified agency or certified chimney sweep should examine and clean the venting system of the fireplace.

## TROUBLESHOOTING

**⚠ WARNING: Turn off log set and let cool before servicing. Only a qualified service person should service and repair log set.**

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

OBSERVED PROBLEM	POSSIBLE CAUSE	REMEDY
Log set is smoking/sooting excessively <i>(Note: It is natural and unavoidable for vented gas log sets to produce moderate levels of carbon (soot) where flames contact logs).</i>	1. Poor fuel quality 2. Fireplace venting system not drafting properly 3. Improper fuel/air mix 4. Excessive gas supply or pressure	1. Contact local gas supplier 2. Adjust damper wide open and/or have fireplace and venting professionally cleaned and checked 3. Remove any foreign items from flame patterns and/or check for proper orifice sizing 4. Preheat flue in very cold weather
Burner is excessively noisy <i>(Note: The movement and combustion of gas will create low, unavoidable levels of noise).</i>	1. Passage of air or gas across irregular surfaces	1. Relieve any tight bends or kinks in gas supply line
Burner flame is too low or too high	1. Incorrect gas supply or pressure 2. Blocked burner orifice or burner manifold 3. Improper burner orifice size	1. Check for proper gas supply pressure 2. Free burner orifice and manifold ports of any burrs, paint or any other blockage 3. Verify proper burner orifice sizing (see Figure 2, page 6)

# TROUBLESHOOTING

*Continued*



**WARNING: If you smell gas**

- **Shut off gas supply.**
- **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.**

*IMPORTANT:* Operating log set 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.

<b>OBSERVED PROBLEM</b>	<b>POSSIBLE CAUSE</b>	<b>REMEDY</b>
Log set produces a clicking/ticking noise just after burners are lit or shut off	1. Metal expanding while heating or contracting while cooling	1. This is normal with most appliances. If noise is excessive, contact qualified service person
Log set produces unwanted odors	1. Log set burning vapors from paint, hair spray, glues, cleaners, chemicals, new carpet, etc. (see <i>IMPORTANT</i> statement above) 2. Gas leak. <b>See warning statement at top of page</b>	1. Open window to ventilate room. Stop using odorcausing products while appliance is running 2. Locate and correct all leaks (see <i>Checking Gas Connections</i> , page 7)
Gas odor even when control knob is in OFF position	1. Gas leak. <b>See Warning statement at top of page</b> 2. Control valve or gas control defective	1. Locate and correct all leaks (see <i>Checking Gas Connections</i> , page 7) 2. Replace control valve or gas control
Gas odor during combustion	1. Gas leak. <b>See Warning statement at top of page</b>	1. Locate and correct all leaks (see <i>Checking Gas Connections</i> , page 7)

## REPLACEMENT PARTS

*Note: Use only original replacement parts. This will protect your warranty coverage for parts replaced under warranty.*

Contact authorized dealers of this product. If they can't supply original replacement part(s), call INNOVATIVE HEARTH PRODUCTS at 1-800-655-2008.

When calling, have ready:

- your name
- your address
- model and serial numbers of your log set
- how log set was malfunctioning
- purchase date

Usually, we will ask you to return the part to the factory.

## SERVICE HINTS

### When Gas Pressure is Too Low

- pilot will not stay lit
  - burners will have delayed ignition
  - log set will not produce specified heat
- You may feel your gas pressure is too low. If so, contact your local natural gas supplier.

## TECHNICAL SERVICE

You may have further questions about installation, operation, or troubleshooting. If so, contact INNOVATIVE HEARTH PRODUCTS at 1-800-655-2008. When calling please have your model and serial numbers of your log set ready.

You can also visit our web site at [www.IHP.US.com](http://www.IHP.US.com).

## ACCESSORY

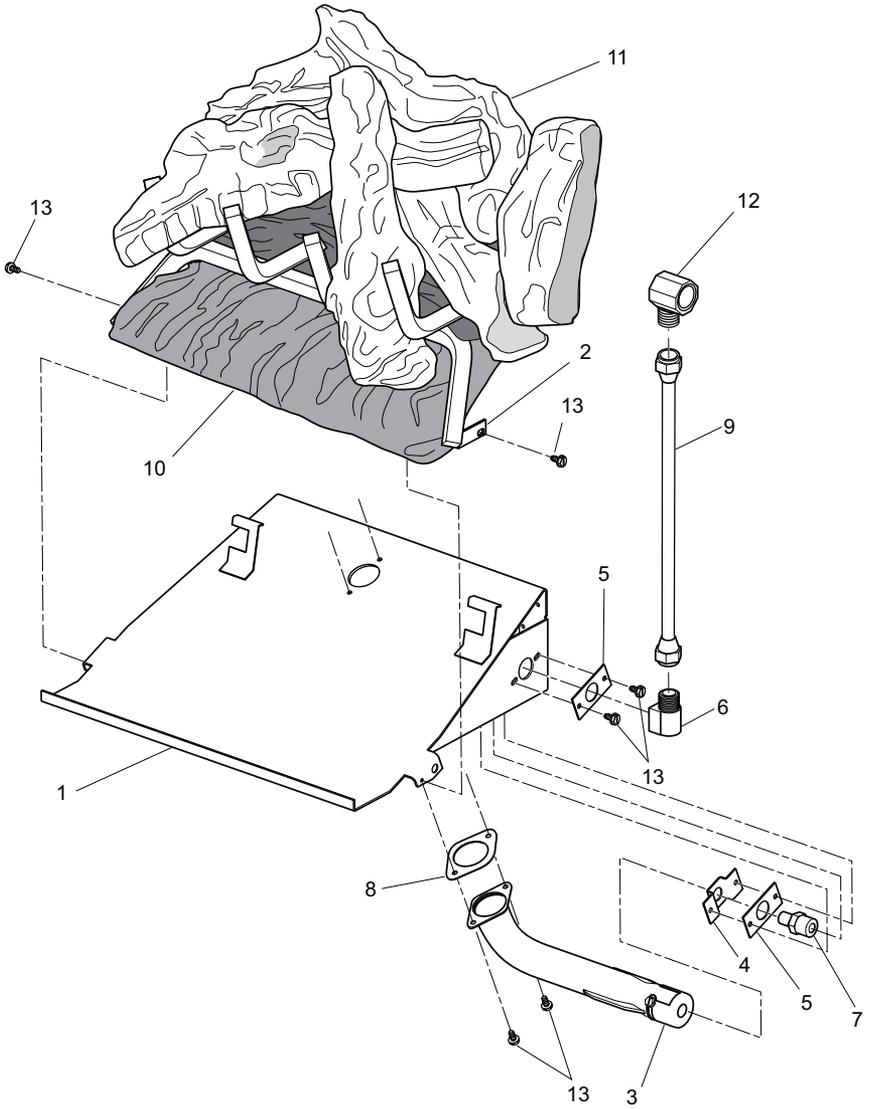
Purchase this accessory from your local dealer. If they can not supply this accessory call INNOVATIVE HEARTH PRODUCTS at 1-800-655-2008 for information. You can also write to the address listed on the back page of this manual.

### LAVA ROCK - GA6060

Order when additional rock is desired (1.8 lb. bag).

# PARTS

MODELS CASCADE18XN, CASCADE24XN, CASCADE30XN



## PARTS

This list contains replaceable parts used in your log set. When ordering parts, follow the instructions listed under Replacement Parts on page 13 of this manual.

KEY NO.	PART NO.	DESCRIPTION				QTY.
			Cascade18XN	Cascade24XN	Cascade30XN	
1	112801-01	Chassis	•			1
	112801-02	Chassis		•		1
	112801-03	Chassis			•	1
2	**	Grate	•			1
3	112372-07	Venturi/Shutter	•			1
	112372-08	Venturi/Shutter		•		1
	112372-09	Venturi/Shutter			•	1
4	112804-03	Bracket	•	•	•	1
5	112804-04	Plate	•	•	•	1
6	901057-01	Brass Elbow	•	•	•	1
7	112371-09	Orifice	•			1
	112371-10	Orifice		•		1
	112371-11	Orifice, NG			•	1
8	112370-01	Gasket	•	•	•	1
9	901232-01	Flexible Gas Line	•	•	•	1
10	112832-01	Ceramic Burner	•			1
	112832-02	Ceramic Burner		•		1
	112832-03	Ceramic Burner			•	1
11	112833-01	Log Assembly	•			1
	112833-02	Log Assembly		•		1
	112833-03	Log Assembly			•	1
12	14325	Brass Elbow	•	•	•	1
13	111800-01	Screw, #10 Self THD	•	•	•	6
<b>PARTS AVAILABLE - NOT SHOWN</b>						
	112363-01	Log Scrap Kit #1	•	•	•	1
	112364-01	Log Scrap Kit #2	•	•	•	1
	GA6060	Lava Rock	•	•	•	1
	901242-01	Damper Clamp	•	•	•	1
	114371-01	Warning Plate	•	•	•	1
	114366-02	Rating Plate	•			1
	114366-05	Rating Plate		•		1
	114366-08	Rating Plate			•	1
	112799-01	Ember Flakes Kit	•	•	•	1
	26839	Rock Wool	•	•	•	1

\*\* Not a field replaceable part

# Innovative Hearth Products Astria™ Brand Gas Log Set & Outdoor Gas Fire Pit Limited Three Year Warranty

## THE WARRANTY

Innovative Hearth Products Limited Three Year Warranty ("IHP") warrants your Astria™ brand Gas Log Set or Outdoor Gas Fire Pit ("Product") to be free from defects in materials and workmanship at the time of manufacture. The logs and grate carry the Limited Three Year Warranty. After installation, if covered components manufactured by IHP are found to be defective in materials or workmanship during the Limited Three Year Warranty period and while the Product remains at the site of the original installation, IHP will, at its option, repair or replace the covered components. If repair or replacement is not commercially practical, IHP will, at its option, refund the purchase price or wholesale price of the IHP product, whichever is applicable. IHP will also pay IHP prevailing labor rates, as determined in its sole discretion, incurred in repairing or replacing such components. THERE ARE EXCLUSIONS AND LIMITATIONS to this Limited Three Year Warranty as described herein.

## COVERAGE COMMENCEMENT DATE

Warranty coverage begins on the date of installation. In the case of new home construction, warranty coverage begins on the date of first occupancy of the dwelling or six months after the sale of the Product by an independent IHP dealer, whichever occurs earlier. The warranty shall commence no later than 24 months following the date of product shipment from IHP, regardless of the installation or occupancy date.

## EXCLUSIONS AND LIMITATIONS

This Limited Three Year Warranty applies only if the Product is installed in the United States or Canada and only if operated and maintained in accordance with the printed instructions accompanying the Product and in compliance with all applicable installation and building codes and good trade practices.

This warranty is non-transferable and extends to the original owner only. The Product must be purchased through a listed supplier of IHP and proof of purchase must be provided. The following do not carry the Limited Three Year Warranty but are warranted as follows:

- Gas components** – Repair or replacement for one year from the date of installation.
- Remote control** – Repair or replacement for one year from the date of installation.
- Labor coverage** – Prevailing IHP labor rates apply for the warranty period of the component.

**Parts not otherwise listed carry a 90 day warranty from the date of installation.**

**Whenever practicable, IHP will provide replacement parts, if available, for a period of 10 years from the last date of manufacture of the product.**

IHP will not be responsible for: (a) damages caused by normal wear and tear, accident, riot, fire, flood or acts of God; (b) damages caused by abuse, negligence, misuse, or unauthorized alteration or repair of the Product affecting its stability or performance (The Product must be subjected to normal use. The Product is designed to burn either natural or propane gas only. Burning conventional fuels such as wood, coal or any other solid fuel will cause damage to the Product, will produce excessive temperatures and could result in a fire hazard.); (c) damages caused by failing to provide proper maintenance and service in accordance with the instructions provided with the Product; (d) damages, repairs or inefficiency resulting from faulty installation or application of the Product.

This Limited Three Year Warranty covers only parts and labor as provided herein. In no case shall IHP be responsible for materials, components or construction which are not manufactured or supplied by IHP or for the labor necessary to install, repair or remove such materials, components or construction. Additional utility bills incurred due to any malfunction or defect in equipment are not covered by this warranty. All replacement or repair components will be shipped F.O.B. from the nearest stocking IHP factory.

## LIMITATION ON LIABILITY

It is expressly agreed and understood that IHP's sole obligation and the purchaser's exclusive remedy under this warranty, under any other warranty, expressed or implied, in contract, tort or otherwise, shall be limited to replacement, repair, or refund, as specified herein.

In no event shall IHP be liable for any incidental or consequential damages caused by defects in the Product, whether such damage occurs or is discovered before or after replacement or repair, and whether such damage is caused by IHP's negligence. IHP has not made and does not make any representation or warranty of fitness for a particular use or purpose, and there is no implied condition of fitness for a particular use or purpose.

IHP makes no expressed warranties except as stated in this Limited Three Year Warranty. The duration of any implied warranty is limited to the duration of this expressed warranty.

No one is authorized to change this Limited Three Year Warranty or to create for IHP any other obligation or liability in connection with the Product. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. The provisions of this Limited Three Year Warranty are in addition to and not a modification of or subtraction from any statutory warranties and other rights and remedies provided by law.

## INVESTIGATION OF CLAIMS AGAINST WARRANTY

IHP reserves the right to investigate any and all claims against this Limited Three Year Warranty and to decide, in its sole discretion, upon the method of settlement.

To receive the benefits and advantages described in this Limited Three Year Warranty, the appliance must be installed and repaired by a licensed contractor approved by IHP.

Contact IHP at the address provided herein to obtain a listing of approved dealers/distributors. **IHP shall in no event be responsible for any warranty work done by a contractor that is not approved without first obtaining IHP's prior written consent.**

## HOW TO REGISTER A CLAIM AGAINST WARRANTY

In order for any claim under this warranty to be valid, you must contact the IHP dealer/distributor from which you purchased the product. If you cannot locate the dealer/distributor, then you must notify IHP in writing. IHP must be notified of the claimed defect in writing within 90 days of the date of failure. Notices should be directed to the IHP Warranty Department at 1508 Elm Hill Pike, Suite 108; Nashville, TN 37210 or visit our website at [WWW.ASTRIA.US.COM](http://WWW.ASTRIA.US.COM).

**KEEP THIS WARRANTY**

---

---

Model (located on product or identification tag) \_\_\_\_\_

Serial No. (located on product or identification tag) \_\_\_\_\_

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

Keep receipt for warranty verification.

# NOTES

# NOTES



P126897-01



1508 Elm Hill Pike, Suite 108  
Nashville, TN 37210  
1-800-655-2008  
**[www.IHP.US.com](http://www.IHP.US.com)**

126897-01  
Rev. A  
2/14