



VENTED DECORATIVE APPLIANCE

(IPS)

OWNER'S OPERATION AND INSTALLATION MANUAL



APPROVED



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SAFETY INFORMATION

⚠ WARNING: Keep flue open when operating unit.

IMPORTANT: Fireplace doors must be open when appliance is operating.

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

⚠ 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 Ribbon may not be working properly. **Get fresh air at once!** Have Fire Ribbon 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 and Propane /LP Gas: Natural and propane /LP gases are odorless. An odor making agent is added to the gas. The odor helps you detect a gas leak. However, the odor added to the gas can fade. Gas may be present even though no odor exists.

Make certain you read and understand all warnings. Keep this manual for reference. It is your guide to safe and proper operation of this Fire Ribbon.

⚠ WARNING: Any change to this Fire Ribbon 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. 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 to 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 Fire Ribbon:
 - in a recreational vehicle
 - where curtains, furniture, clothing, or other flammable objects are less than 42 inches from the front, top, or sides of the Fire Ribbon
 - in the 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.
5. Fire Ribbon is designed to be smokeless. If it ever appears to smoke, turn off appliance and call a qualified service person. **NOTE:** During initial operation, slight smoking could occur due to unit curing and the burning of manufacturing residues.
6. To reduce the creation of soot, follow the instructions in *Cleaning and Maintenance*, page 9.
7. Do not allow fans to blow directly into the fireplace. Avoid any drafts that alter burner flame patterns, as it could increase sooting.
8. Do not use a blower insert, heat exchanger insert or other accessory not approved for use with this Fire Ribbon.
9. This Fire Ribbon needs fresh, outside air ventilation to run properly.
10. Keep the appliance area clear and free from combustible materials, gasoline and other flammable vapors and liquids.
11. Do not burn solid fuel in the fireplace after installing the Fire Ribbon. Do not use this appliance to cook food or burn paper or other objects.
12. Fire Ribbon becomes hot when in use. Keep children and adults away from hot surface to avoid burns or clothing ignition. Fire Ribbon will remain hot for a time after shut-down. Allow surface to cool before touching.
13. Carefully supervise young children when they are in the room with Fire Ribbon.
14. Do not use appliance if any part has been exposed to or 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.

15. Turn the Ribbon off and let cool before servicing, installing, or repairing. Only a qualified service person should install, service, or repair Fire Ribbon.

LOCAL CODES

Install and use Fire Ribbon with care. Follow local codes. In the absence of local codes, use the latest edition of The National Fuel Gas Code ANSZ223.1, also known as 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.

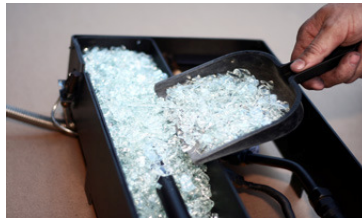
PRODUCT ASSEMBLY

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, Front Cover, Access Panel and Burner Media from

packaging (see *Parts List*, page 14).

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.

NOTE: If you are planning to add some topping media (optional colored glass or lava rock), leave approximately $\frac{3}{4}$ " not filled on top of burner media and proceed to the next step.

4. Place and evenly distribute topping media (optional colored glass or lava rock) on top of burner media as shown in picture.



Make sure that pilot opening is not blocked with media.

5. Carefully leak test all connections following the procedure on page 5.
6. Having free access to the valve and manifold compartment of the Burner Assembly 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 before proceeding to the next step.

7. Cover manifold and valve compartment of the Burner Assembly with Front Cover making sure that access window is located above the valve as shown in picture.



Cover the window with Access Panel as shown in picture.



INSTALLATION

⚠ CAUTION: Do not remove the metal data plates attached to the Fire Ribbon. These plates contain important information.

⚠ 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.

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 appliances. Only factory authorized components listed in this instruction may be used in accordance with the manufacturer's instructions and all codes and requirements of the authority having jurisdiction. Any modifications to this appliance or use of unauthorized components or accessory items will void the manufacturer's warranty, and may result in a hazardous condition.

NOTE: This vented appliance must be installed only in a solid-fuel burning fireplace with a working flue and constructed of noncombustible material. The installation of appliances designed for manufactured home (U.S.

only) or mobile home installation must conform with the Standard *CAN/CSA Z240 MH, Mobile Housing*, in Canada, or with the *Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280*, in the USA, or when such a standard is not applicable, *ANSI/NCSBCS A225.1/NFPA 501A, Manufactured Home Installations Standard*.

The fireplace must include a working flue and venting system with minimum opening. Please, make sure that the following technical data related to proper installation of the Fire Ribbon are applicable before installation is attempted.

Minimum firebox size:

- Height	18"
- Depth	14"
- Width/Model:	
RETRO-2	28"
RETRO-3	40"
RETRO-4	52"
RETRO-5	64"
RETRO-6	76"
RETRO-7	88"
RETRO-8	100"

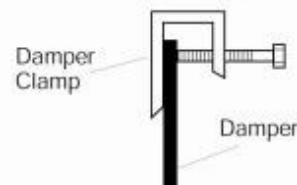
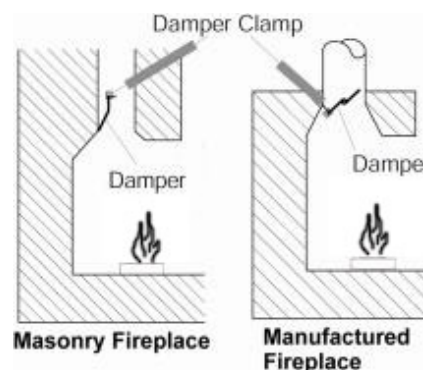
Fuel Pressure Specification:

- Inlet (NG)	4.5.-10.5" w.c.
- Manifold (NG)	3.5" w.c.
- Inlet (LP)	11-13" w.c.
- Manifold (LP)	10" w.c.

Light a tightly rolled newspaper on the 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 the operation of this Fire Ribbon.

INSTALLING DAMPER CLAMP

Secure the damper stop clamp provided to the leading edge of the damper as shown below. 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.



VENTING SPECIFICATIONS FOR INSTALLATION

The fireplace chimney flue and vent must be drafting properly. To check the vent for proper drafting:

FIREPLACE INSTALLATION

CHECK GAS TYPE

Use proper gas type for the fireplace you are installing. If you have conflicting gas type, do not install fireplace. See dealer where you purchased the fireplace for proper fireplace for your gas type or conversion kit.

INSTALLING GAS PIPING TO FIREPLACE / BURNER SYSTEM LOCATION

WARNING

A qualified installer or service person must connect appliance to gas supply. Follow all local codes.

CAUTION

For propane/LP units, never connect fireplace directly to the propane/LP supply. This burner system requires an external regulator (not supplied). Install the external regulator between the burner system and propane/LP supply.

INSTALLATION ITEMS NEEDED

Before installing fireplace and burner system, make sure you have the items listed below.

- External regulator (supplied by installer)
- Piping (check local codes)
- Sealant (resistant to propane/LP gas)
- Equipment shutoff valve*
- Test gauge connection*
- Sediment trap (recommended)
- Tee joint
- Pipe wrench
- approved flexible gas line with gas connector (if allowed by local codes — not provided)

* A CSA design-certified equipment shutoff valve with $\frac{1}{8}$ " NPT tap is an acceptable alternative to test gauge connection. Purchase the CSA design-certified equipment shutoff valve from your dealer.

For propane/LP connections only, the installer must supply an external regulator. The external regulator will reduce incoming gas pressure. You must reduce incoming gas pressure to between 11 and 13 inches of water. If you do not reduce incoming gas pressure, burner system regulator damage could occur. Install external regulator with the vent pointing down as shown in *Figure 32*. Pointing the vent down protects it from freezing rain or sleet.

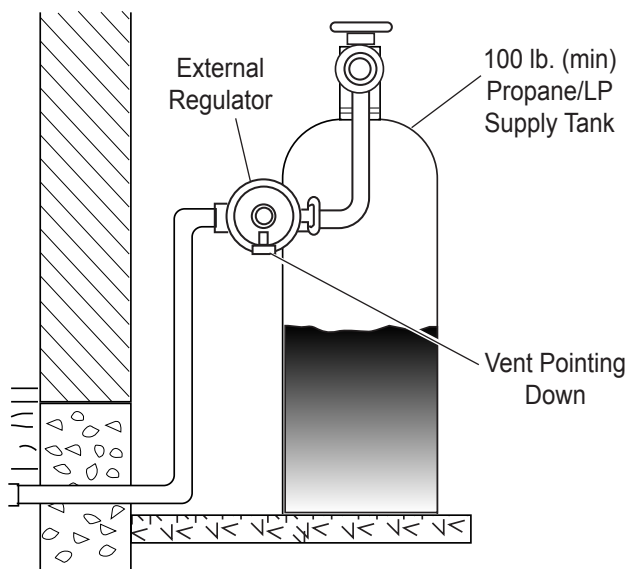


Figure 32 - External Regulator with Vent Pointing Down (Propane/LP Only)

CAUTION

Use only new black iron or steel pipe. Internally tinned copper or copper tubing can be used per National Fuel Code, section 2.6.3, providing gas meets hydrogen sulfide limits, and where permitted by local codes. Gas piping system must be sized to provide minimum inlet pressure (listed on data plate) at the maximum flow rate (BTU/hr). Undue pressure loss will occur if the pipe is too small.

When using copper or flex connectors use only fittings approved for gas connections. The gas control inlet is $\frac{3}{8}$ " NPT.

FIREPLACE INSTALLATION

WARNING

Only persons licensed to work with gas piping may make the necessary gas connections to this appliance.

CAUTION

A manual shutoff valve must be installed upstream of the appliance. Union tee and plugged $\frac{1}{8}$ " NPT pressure tapping point should be installed upstream of the appliance. See Figure 33.

NOTE : The gas line connection may be made using $\frac{1}{2}$ " rigid tubing or an approved flex connector. Since some municipalities have additional local codes it is always best to consult your local authorities and the current edition of the National Fuel Gas Code ANSI.Z223.1, NFPA54. In Canada CAN/CGA-B149 (1 or 2) Installation Code.

A listed manual shutoff valve must be installed upstream of the appliance. Union tee and plugged $\frac{1}{8}$ " NPT pressure tapping point should be installed upstream of the appliance. See Figure 33.

IMPORTANT: Install main gas valve (equipment shutoff valve) in an accessible location. The main gas valve is for turning on or shutting off the gas to the fireplace.

Check your building codes for any special requirements for locating equipment shutoff valve to fireplaces.

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

We recommend that you install a sediment trap/drip leg in supply line as shown in Figure 33. Locate sediment trap/drip leg where it is within reach for cleaning. Install in piping system between fuel supply and burner system. Locate sediment trap/drip leg where trapped matter is not likely to freeze. A sediment trap traps moisture and contaminants. This keeps them from going into the burner system gas controls. If sediment trap/drip leg is not installed or is installed wrong, burner system may not run properly.

CAUTION

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

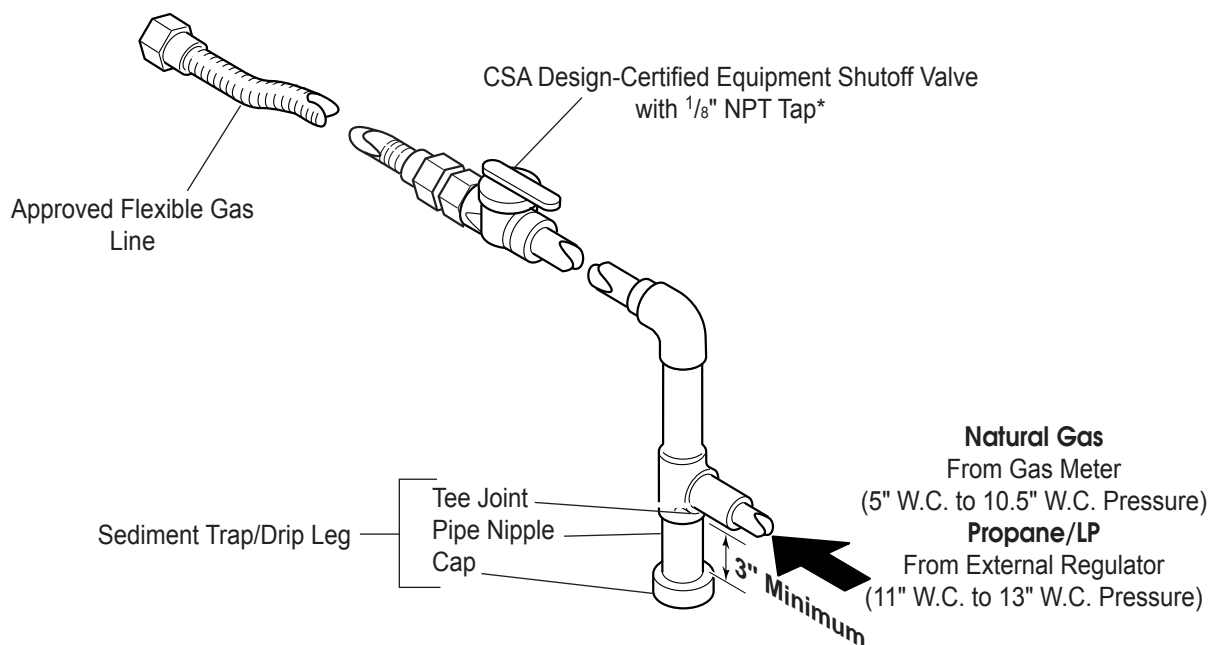
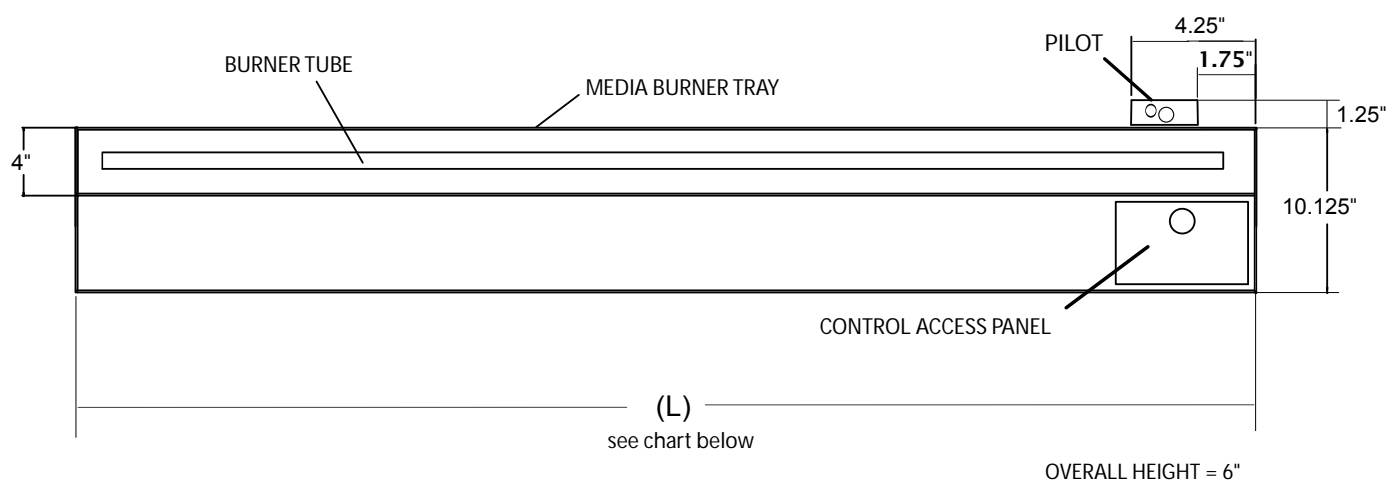


Figure 33 - Gas Connection

FIRE RIBBON RETROFIT BURNER

MODEL SPECIFICATIONS

TOP VIEW



MODEL #	OVERALL LENGTH (L)	FIREPLACE WIDTH (min)	INPUT RATE (BTU/Hr)		# ORIF. N.G. (L.P.)	ORIF. SIZE	
			N.G.	L.P.		N.G.	L.P.
RETRO 2 - NG/LP	24.125"	28"	41,000	33,500	2 (1)	44	49
RETRO 3 - NG/LP	36.125"	40"	61,000	54,000	3 (1)	44	43
RETRO 4 - NG/LP	48.125"	52"	82,000	72,000	4 (1)	43	38
RETRO 5 - NG/LP	60.125"	64"	102,000	90,000	5 (2)	43	46
RETRO 6 - NG/LP	72.125"	76"	116,000	110,000	6 (2)	43	41
RETRO 7 - NG/LP	84.125"	88"	129,000	128,000	7 (2)	43	38
RETRO 8 - NG/LP	96.125"	100"	142,000	146,500	8 (2)	43	35

Minimum fireplace depth required = 14"

Minimum fireplace height required = 18"

This fireplace requires 110V AC electrical supply for normal operation in order to power up 7V DC adapter which is required to operate Remote Control. However, during power outage situation, its electronic system (DFC board) can be temporarily powered with 6V DC battery pack (4 AA batteries).

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.

- A. This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.
- B. BEFORE OPERATING 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.
- C. Main gas valve in this appliance is not serviceable and does not have any control knobs or switches to operate. Do not remove heat shields covering the valve and electronic devices; do not try to repair or modify the valve as it may result in a fire or explosion. Call a qualified service technician if you have any safety concerns.
- D. Do not use this appliance if any part of it 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 that has been under water.

LIGHTING FOR THE FIRST TIME

INITIAL LIGHTING

Purge air from the supply line as follows:

- Open main shutoff valve.
- Unscrew main pressure test point.
- Leave inlet test screw open until gas comes in.
- When gas is flowing, tighten inlet screw immediately.

DANGER

Never use an open flame to check for gas leak.

LEAK TESTING

1. Follow the pipe from the gas supply line connection to the gas valve. Check connection for leaks with soap and water mixture.
2. Next check for gas leaks at the burner with soap and water mixture.
3. Check the pilot for gas leaks with soap and water mixture.

LIGHTING FOR THE FIRST TIME

APPROVED LEAK TESTING METHOD

You may check for gas leaks with the following methods only:

- Soap and water solution
- An approved leak testing spray
- Electronic sniffer

DANGER

Never use an open flame to check for gas leak.

WARNING

If using a soap and water solution to test for leaks, DO NOT spray solution onto electronic parts.

NOTE: Remove any excessive pipe compound from the connections. Excessive pipe compound can set off electronic sniffers.

Check for gas leaks in each of the following locations:

- Pipe from the gas supply line connection to the gas valve
- Burner connections, pilot
- All joints on valve and control body
- Field made joints / gas shutoff valve
- Factory made joints, each joint and connection

OPERATING INSTRUCTIONS

1. **STOP! Read the safety information on previous page.**
2. Turn off all electric power to the appliance.
3. Do not attempt to light the pilot by hand.
4. Remove Front Tray from the appliance (*see Illustrated Parts List, page 17*).
5. Turn the gas control manual valve to the full OFF position.
6. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor.
If you smell gas, STOP! Follow "B" in the safety information (see page 6).
If you don't smell gas, go to the next step.
7. Turn the gas control manual valve to the ON position.
8. Plug supplied 7V DC adapter into 110V power outlet.
9. Connect the wire to the DC input plug at the unit.
10. Lift and remove Heat Shield covering electronic components inside of the unit (*see Illustrated Parts List, page 17*).
11. Locate Remote Receiver inside of the unit (*see Illustrated Parts List, page 14*). Make sure that the slider switch of the Receiver is in "REMOTE" (middle) position.
12. Replace Heat Shield and then replace Front Tray.
13. Read and follow instructions in how to set up and to use remote control described in supplied "Use and Installation Instructions for REMOTE CONTROL SYSTEM".
14. If the appliance will not operate, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.

TO TURN OFF GAS TO APPLIANCE

1. Turn off all electric power to the appliance if service is to be performed.
Unplug 7V DC adapter from the power outlet.
2. If necessary, remove Front Tray from the appliance to access manual shutoff valve on gas line.
3. Turn the gas control manual valve to the full OFF position.
4. If necessary, replace Front Tray.

ELECTRICAL WIRING

This fireplace requires 110V AC electrical supply for normal operation in order to power up 7V DC adapter which is required to operate Remote Control. However, during power outage situation, its electronic system (DFC board) can be temporarily powered with 6V DC battery pack (4 AA batteries).

WARNING

Electrical connections should only be performed by a qualified, licensed electrician. Main power must be off when connecting to main electrical power supply or performing service. All wiring shall be in compliance with all local, city, and state codes. 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 (latest edition)* and *Canadian Electrical Code, CSA C22.1*.

CAUTION

Label all wires before disconnecting when servicing controls. Wiring errors can cause improper and dangerous operation.

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.

CLEANING AND MAINTENANCE

WARNING

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

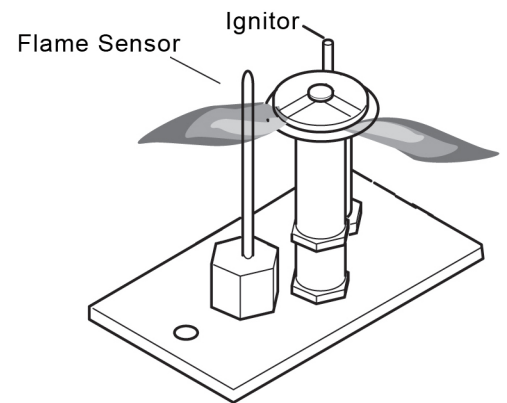
BURNER, PILOT AND CONTROL COMPARTMENT

Keep the control compartment clean by vacuuming or brushing at least twice a year.

Make sure the burner porting, pilot air opening and burner air opening are free of obstructions at all times.

PILOT FLAME

The flames from the pilot should be visually checked as soon as the unit is installed and periodically during normal operation. **The pilot flame must always be present when the fireplace is in operation or connected to the gas line with main shutoff valve open and the IPS activated (powered).** The pilot flame has two distinct flames, one engulfing the flame sensor and the other reaching to the main burner.



Pilot Flame

BURNER

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

VENTING SYSTEM

Have the venting system of the solid fuel burning fireplace inspected and cleaned annually by a qualified agency.

ELECTRICAL WIRING

This fireplace requires 110V AC electrical supply for normal operation in order to power up 7V DC adapter which is required to operate Remote Control. However, during power outage situation, its electronic system (DFC board) can be temporarily powered with 6V DC battery pack (4 AA batteries).

WARNING

Electrical connections should only be performed by a qualified, licensed electrician. Main power must be off when connecting to main electrical power supply or performing service. All wiring shall be in compliance with all local, city, and state codes. 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 (latest edition)* and *Canadian Electrical Code, CSA C22.1*.

CAUTION

Label all wires before disconnecting when servicing controls. Wiring errors can cause improper and dangerous operation.

TROUBLESHOOTING

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

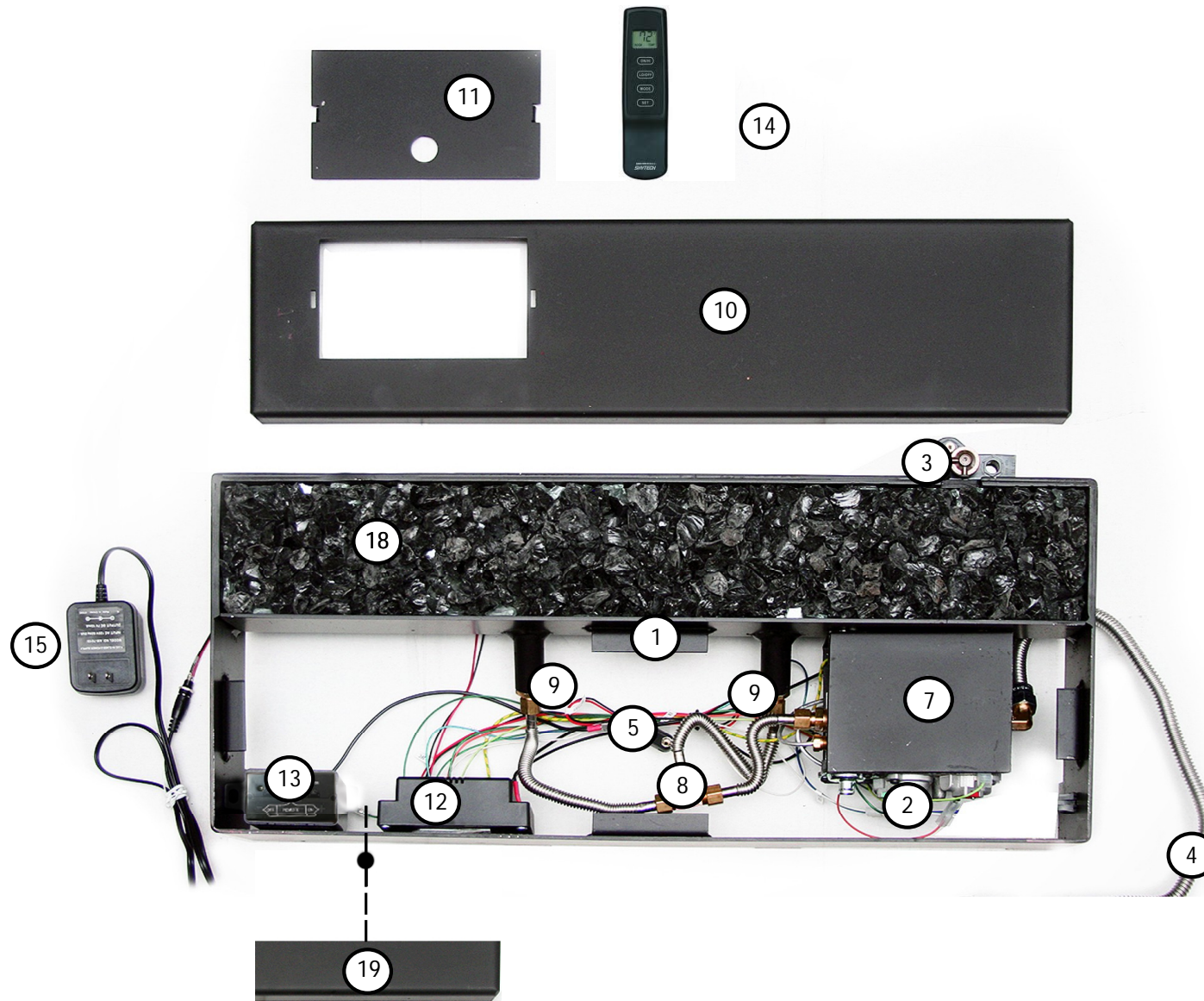
Note: All troubleshooting items are listed in order of operation.

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. This is especially true with propane/LP gas.)	<ol style="list-style-type: none"> Poor fuel quality Fireplace venting system not drafting properly Excessive flame impingement or blockage Improper fuel/air mixture Not enough media over burner tube. 	<ol style="list-style-type: none"> Contact local natural or propane/LP gas company Adjust damper wide open and/or have fireplace and venting professionally cleaned and checked Separate the stones to allow more flame passage Remove any foreign items from the flame pattern and/or check for proper orifice sizing Make sure burner tube is completely covered with glass media.
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"> Passage of air/gas across irregular surfaces Excessive gas pressure on natural gas units 	<ol style="list-style-type: none"> Relieve any tight bends or kinks in gas supply line Check/reset gas regulator pressure
Burner flame is too low or too high	<ol style="list-style-type: none"> Incorrect gas supply or pressure Blocked burner orifice or burner manifold ports Improper burner orifice size 	<ol style="list-style-type: none"> Check for proper gas supply pressure Free burner orifice and manifold ports of any burrs, paint, or other blockage i.e. spider webs, etc. Verify proper burner orifice sizing (see page 7)
Remote does not function	<ol style="list-style-type: none"> Battery is not installed. Battery power is low 	<ol style="list-style-type: none"> Replace batteries in receiver and remote control. Re-program the receiver.

OBSERVED PROBLEM	POSSIBLE CAUSE	REMEDY
When remote control / switch is pressed, there is spark at pilot but no ignition	<ol style="list-style-type: none"> 1. Gas supply turned off or manual shutoff valve closed 2. Air in gas lines when installed 3. Pilot adjustment screw closed 4. Pilot is clogged 5. Ignitor electrode broken 	<ol style="list-style-type: none"> 1. Turn on gas supply or open manual shutoff valve 2. Purge air from the supply line (<i>see page :</i>) 3. Adjust pilot flame for approximately 1" blue flame 4. Clean pilot (<i>see Cleaning and Maintenance, page 13</i>) or replace pilot assembly. 5. Replace pilot assembly.
Burner does not light after pilot is lit	<ol style="list-style-type: none"> 1. Burner orifice clogged 2. Inlet gas pressure is too low 3. Burner orifice diameter is too small 4. Flame sensor leads disconnected. 5. DFC Module failure. 	<ol style="list-style-type: none"> 1. Clean burner orifice 2. Contact local natural or propane/LP gas company to check pressures and gas pipe sizing. 3. Replace burner orifice(s). 4. Reconnect leads. 5. Replace DFC module.
Delayed ignition burner	<ol style="list-style-type: none"> 1. Pilot flame needs adjusting 	<ol style="list-style-type: none"> 1. Adjust pilot flame for approximately 1" blue flame
<div style="border: 1px solid black; padding: 5px;"> <p>⚠ WARNING: If you smell gas</p> <ul style="list-style-type: none"> • 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. </div> <p>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.</p>		
Unit produces unwanted odors	<ol style="list-style-type: none"> 1. Unit burning vapors from paint, hair spray, glues, cleaners, chemicals, new carpet, etc. (See statement above). 2. Gas leak. See Warning statement above. 	<ol style="list-style-type: none"> 1. Open flue to maximum. Stop using odor causing products while unit is running 2. Locate and correct all leaks (<i>see Checking Gas Connections, page 5</i>)
Gas odor even when Remote Control is in OFF position	<ol style="list-style-type: none"> 1. Gas leak. See Warning statement above. 2. Main gas valve defective 	<ol style="list-style-type: none"> 1. Locate and correct all leaks (<i>see p.5</i>) 2. Replace gas valve.

ILLUSTRATED PARTS LIST

SEE NEXT PAGE FOR PART DESCRIPTION



PARTS LIST

This list contains replaceable parts used in your RETROFIT – IPS appliance

Key #	Part Description	Part Number according to the Fire Ribbon Model for Natural Gas (and LP)							Q-ty
		RETROFIT-2'	RETROFIT-3'	RETROFIT-4'	RETROFIT-5'	RETROFIT-6'	RETROFIT-7'	RETROFIT-8'	
1	Burner Assembly	W110102P (W120102P)	W110103P (W120103P)	W110104P (W120104P)	W110105P (W120105P)	W110106P (W120106P)	W110107P (W120107P)	W110108P (W120108P)	1
2	Main Gas Valve	R100026 (R100027)	R100026 (R100027)	R100026 (R100027)	R100026 (R100027)	R100026 (R100027)	R100026 (R100027)	R100026 (R100027)	1
3	Pilot Assembly	R100028 (R100029)	R100028 (R100029)	R100028 (R100029)	R100028 (R100029)	R100028 (R100029)	R100028 (R100029)	R100028 (R100029)	1
4	Burner Flex Connector	C100010 (C100010)	C100010 (C100010)	D300098 (D300098)	D300098 (D300098)	D300098 (D300098)	D300098 (D300098)	D300098 (D300098)	1
5	DFC Wire Assembly	H100141	H100141	H100141	H100141	H100141	H100141	H100141	1
6	Valve Bracket (NOT SHOWN)	D400160P	D400160P	D400160P	D400160P	D400160P	D400160P	D400160P	1
7	Valve Shield	D400161P	D400161P	D400161P	D400161P	D400161P	D400161P	D400161P	1
		Continued on Next Page							

This list contains replaceable parts used in your RETROFIT – IPS appliance

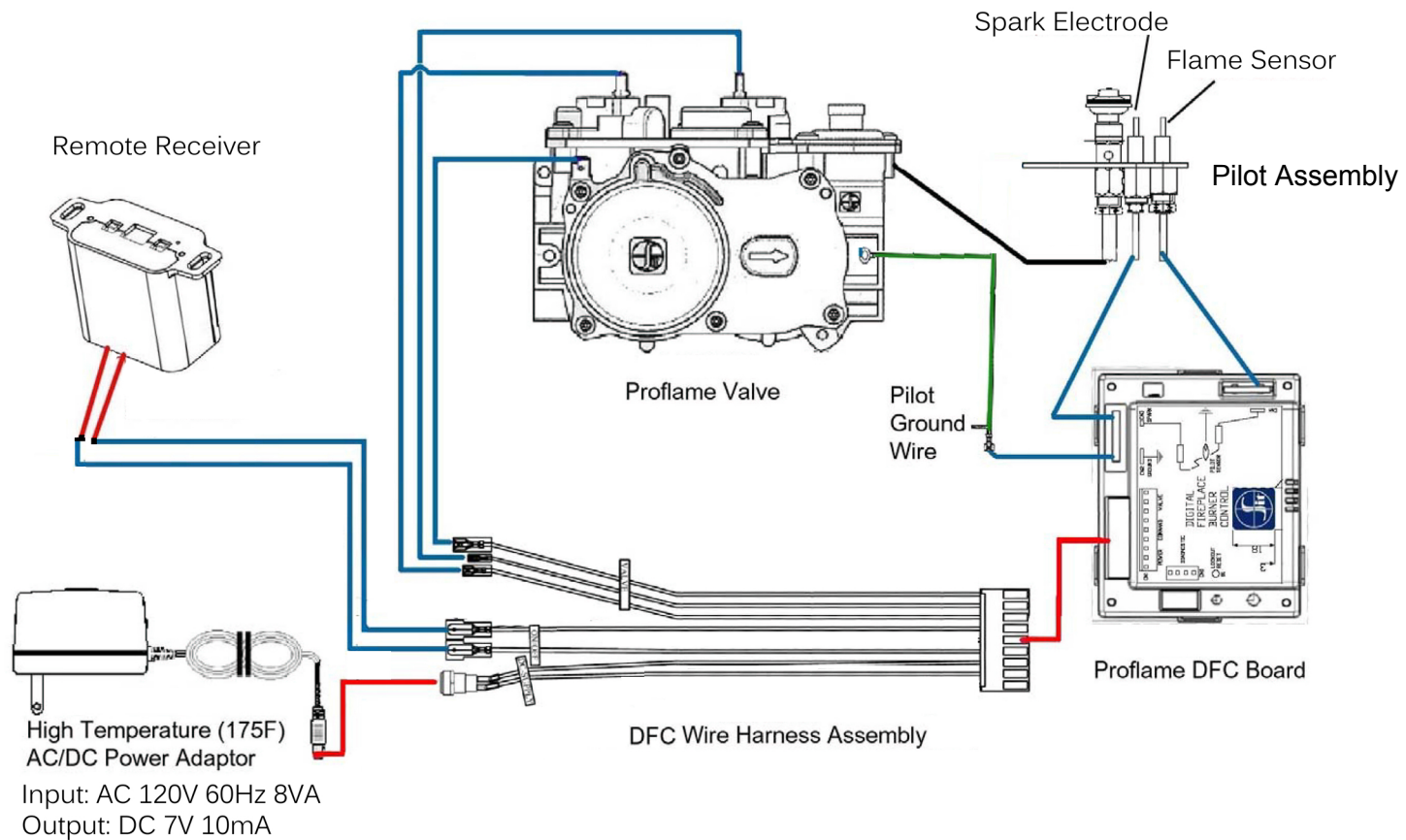
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PARTS LIST (CONTINUED)

This list contains replaceable parts used in your RETROFIT– IPS appliance

Key #	Part Description	Part Number according to the Fire Ribbon Model for Natural Gas (and LP)							Q-ty
		RETROFIT-2'	RETROFIT-3'	RETROFIT-4'	RETROFIT-5'	RETROFIT-6'	RETROFIT-7'	RETROFIT-8'	
11	Access Panel	D400058P	D400058P	D400058P	D400058P	D400058P	D400058P	D400058P	1
12	DFC Board	H100142	H100142	H100142	H100142	H100142	H100142	H100142	1
13	Remote Receiver	RCB-R	RCB-R	RCB-R	RCB-R	RCB-R	RCB-R	RCB-R	1
14	ON/OFF Remote Control	RCB	RCB	RCB	RCB	RCB	RCB	RCB	1
15	7V 10mA DC adapter	H100140	H100140	H100140	H100140	H100140	H100140	H100140	1
16	Damper Clamp (NOT SHOWN)	F100037P	F100037P	F100037P	F100037P	F100037P	F100037P	F100037P	1
17	Glass Burner Media (NOT SHOWN)	G100030	G100030	G100030	G100030	G100030	G100030	G100030	Pkg
18	Top Media (MANY TYPES AVAILABLE)	xxx	xxx	xxx	xxx	xxx	xxx	xxx	Pkg
19	Heat Shield	D400165P	D400165P	D400165P	D400165P	D400165P	D400165P	D400165P	1
		NOTE: Specifications, finishes and dimensions are subject to change!							

ProFlame System Configuration (880 ON/OFF Wiring Diagram)



*) The Remote Control Receiver is a standard feature for Retrofit - IPS appliance. If Wall Thermostat or ON/OFF switch are required for operating, replace the Remote Receiver with desired device using existing wires. Clear contacts (mV rated) to be used. **Do not connect to 110V !**

INSTALLATION RECORD

The installer should complete the form below that describes the details of the installation. Having this written record of installation information available will greatly expedite trouble-shooting should any problem arise with your fireplace. The installer should keep a duplicate of this form for their records. Accurate completion of this form is required for warranty coverage and for any technical support by Spark Modern Fires.

Date Purchased:
Purchaser/Dealer:
Installer:
Fireplace S/N on product ID tag:
Date Installed:

FUEL: ☐ Natural Gas ☐ L.P. Propane

Inlet Pressure Measured After Installation:	<i>In. W.C.</i>		
Manifold Pressure Measured After Installation:			
High Fire:	<i>In. W.C.</i>	Low Fire:	<i>In. W.C.</i>

VENTING:

Please Verify The Brand And Model Of Venting Used:			
Vent Termination (Cap):	<input type="radio"/> Horizontal	<input type="radio"/> Vertical	<input type="radio"/> Snorkel
Vent Cap Model No:			

CONFIGURATION:

Vent Configuration Sketch Required Below:

Total Horizontal Run:	<i>Feet/Inches</i>	
Total Vertical Run:	<i>Feet/Inches</i>	
Quantity 90° Elbows:		
Quantity 45° Elbows:		
ALTITUDE:	<i>Feet Above Sea Level</i>	
Was Stove Derated?	<input type="radio"/> Yes <input type="radio"/> No	
If Yes To What Orifice Size?		
Unusual Structure Near Vent?		
<input type="radio"/> Inside Corner <input type="radio"/> Trees/Shrubs <input type="radio"/> Other		
Termination: <i>(Please Describe)</i>		
Prevalent Wind Conditions?		
Other Installation Notes:		



WARRANTY INFORMATION

Model:

Serial No.:

Date Purchased:

Date Installed:

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: Firebox, Combustion Chamber, and Steel Burner.

BASIC WARRANTY

Spark Modern Fires warrants the components and materials in your gas 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 Spark Modern Fires in the appliance are found to be defective in materials or workmanship, Spark Modern Fires will, at its option, replace or repair the defective components at no charge to the original owner. Spark Modern Fires 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) firebox/burner assembly damaged by accident, neglect, misuse, abuse, alterations, negligence of others, including the installation thereof by unqualified installers, (2) the costs of removal, re-installation or transportation of defective parts on the appliance, or (3) identical 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. Spark Modern Fires does not assume for it any other obligations or liabilities in connection with sale or use of the appliance. It 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. Spark Modern Fires 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:

SPARK MODERN FIRES

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