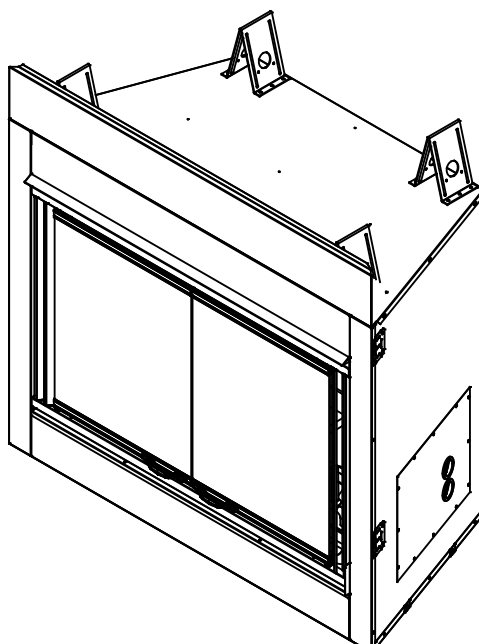




Installation & Operation Instructions



MODEL: Dakota-AU
Australian Gas Association
Certification Number: 7145

**This manual must be used for installation and retained
by homeowner for operation and maintenance.**

This product may be covered by one or more of the following patents:

(United States) 4593510, 4686807, 4766876, 4793322, 4811534, 5000162, 5016609, 5076254, 5113843, 5191877, 5218953, 5263471, 5328356, 5341794, 5347983, 5429495, 5452708, 5542407, 5601073, 5613487, 5647340, 5688568, 5762062, 5775408, 5890485, 5931661, 5941237, 5947112, 5996575, 6006743, 6019099, 6048195, 6053165, 6145502, 6170481, 6237588, 6296474, 6374822, 6413079, 6439226, 6484712, 6543698, 6550687, 6601579, 6672860, 6688302B2, 6715724B2, 6729551, 6736133, 6748940, 6748942, 6769426, 6774802, 6796302, 6840261, 6848441, 6863064, 6866205, 6869278, 6875012, 6880275, 6908039, 6919884, D320652, D445174, D462436; (Canada) 1297749, 2195264, 2225408, 2313972; (Australia) 543790; 586383; 780250, 780403, 1418504; (Mexico) 97-0457; (New Zealand) 200265; or other U.S. and foreign patents pending.

**Read this manual before installing or operating this fireplace.
Please retain this owner's manual for future reference.**

Congratulations

Congratulations on selecting a Outdoor Lifestyles gas fireplace—an elegant and clean alternative to wood burning fireplaces. The Outdoor Lifestyles gas fireplace you have selected is designed to provide the utmost in safety, reliability, and efficiency.

As the owner of a new fireplace, you'll want to read and carefully follow all of the instructions contained in this owner's manual. Pay special attention to all cautions and warnings.

This owner's manual should be retained for future reference. We suggest you keep it with your other important documents and product manuals.

The information contained in this owner's manual, unless noted otherwise, applies to all models and gas control systems.

Your new Outdoor Lifestyles gas fireplace will give you years of durable use and trouble-free enjoyment. Welcome to the Outdoor Lifestyles family of fireplace products!

Homeowner Reference Information

We recommend that you record the following pertinent information about your fireplace:

Model Name: _____ Date purchased/installed: _____

Serial Number: _____ Location on fireplace: _____

Dealership purchased from: _____ Dealer phone: _____

Notes: _____

Table of Contents

1	Listing and Code Approvals	4
	A. Fireplace Certification	4
2	Getting Started	4
	A. Design and Installation Considerations	4
3	Framing and Clearances	5
	A. Select Fireplace Location	5
	B. Clearances	6
	C. Outdoor Enclosure Options	7
4	Fireplace Preparation	8
	A. Remove Logs and Shipping Cover	8
	B. Securing and Leveling Fireplace	8
5	Gas Information	9
	A. Gas Pressure Requirements	9
	B. Gas Connection	9
6	Electrical Information	10
	A. Ignition System Wiring	10
	B. Remote Control	10
7	Finishing	11
	A. Mantel Projections	11
	B. Facing Material	12
8	Fireplace Setup	13
	A. Clean the Fireplace	13
	B. Grate Assembly Placement	13
	C. Positioning the Logs	13
	D. Placing Lava Rock	16
	E. Glass Assembly	16
	F. Reinstall Door Lock	16
9	Operating Instructions	17
	A. Before Lighting Fireplace	17
	B. Operating Cautions	17
	C. Lighting the Fireplace	18
	D. After the Fireplace is Lit	19
	E. Frequently Asked Questions	19
10	Maintaining and Servicing the Fireplace	20
	A. Valve Access and Service	21
	B. Battery Replacement	22
	C. Maintenance and Service Tasks	23
11	Troubleshooting	24
	A. Electronic Ignition System	24
12	Reference Materials	25
	A. Fireplace Dimension Diagram	25
	B. Service Parts List	26
	C. Warranty	30
	D. Contact Information	32

Note: An arrow (➡) found in the text signifies change in content.

1 Listing and Code Approvals

A. Fireplace Certification

MODEL DAKOTA-AU IS AUSTRALIAN GAS ASSOCIATION APPROVED FOR NATURAL GAS OR PROPANE AS AN OUTDOOR FIREPLACE.

Refer to the appliance data plates for gas consumptions and pressures.

Installation and servicing of this appliance should only be carried out by an authorized person in accordance with the manufacturer's instructions. All relevant codes and regulations laid down by the gas fitting authorities, municipal building regulations, and the requirements of the National Gas Installation Standard AS5601 must be observed.

This appliance and its components are tested and safe when installed in accordance with this installation manual. Report to your dealer any parts damaged in shipment, specifically check glass condition. The gas logs are in separate packages. Read all instructions before starting installation and follow these instructions carefully during installation to ensure maximum benefit and safety. Failure to follow them will void your warranty and may present a fire hazard.

The Hearth & Home Technologies Inc. warranty will be voided by, and Hearth & Home Technologies Inc. disclaims any responsibility for the following actions:

- Installation of any damaged heater system component.
- Modification of the heater or installation other than as instructed by Hearth & Home Technologies.
- Improper positioning of the gas logs.
- Installation and/or use of any component part not manufactured or approved by Hearth & Home Technologies, notwithstanding any independent testing laboratory or other party approval of such component part or accessory.

2 Getting Started

A. Design and Installation Considerations

Before installation check that local distribution conditions, nature of gas and pressure, and adjustment of the fireplace are compatible.

This fireplace must be installed with the rules in force, and used only in a sufficiently ventilated space. Consult instructions before installation and use of this fireplace.

- Carefully remove the fireplace and components from the packaging.
- The gas logs are packaged separately and must be field installed.
- Report to your dealer any parts damaged in shipment, particularly the condition of the glass.
- Read all of the instructions before starting the installation. Follow these instructions carefully during the installation to ensure maximum safety and benefit.

3 Framing and Clearances

Note:

- Illustrations reflect typical installations and are FOR DESIGN PURPOSES ONLY.
- Illustrations/diagrams are not drawn to scale.
- Actual installation may vary due to individual design preference.

⚠ WARNING



Fire Risk

Provide adequate clearance:

- Around air openings.
- To combustibles.
- For service access.

Locate fireplace away from traffic areas.

A. Select Fireplace Location

When selecting a location for your fireplace it is important to consider the required clearances to walls (See Figure 3.1).

Note: For actual fireplace dimensions refer to Section 12.

Note: If this surface is inside the building's warm air envelope...

...then this surface must be an exterior wall system.

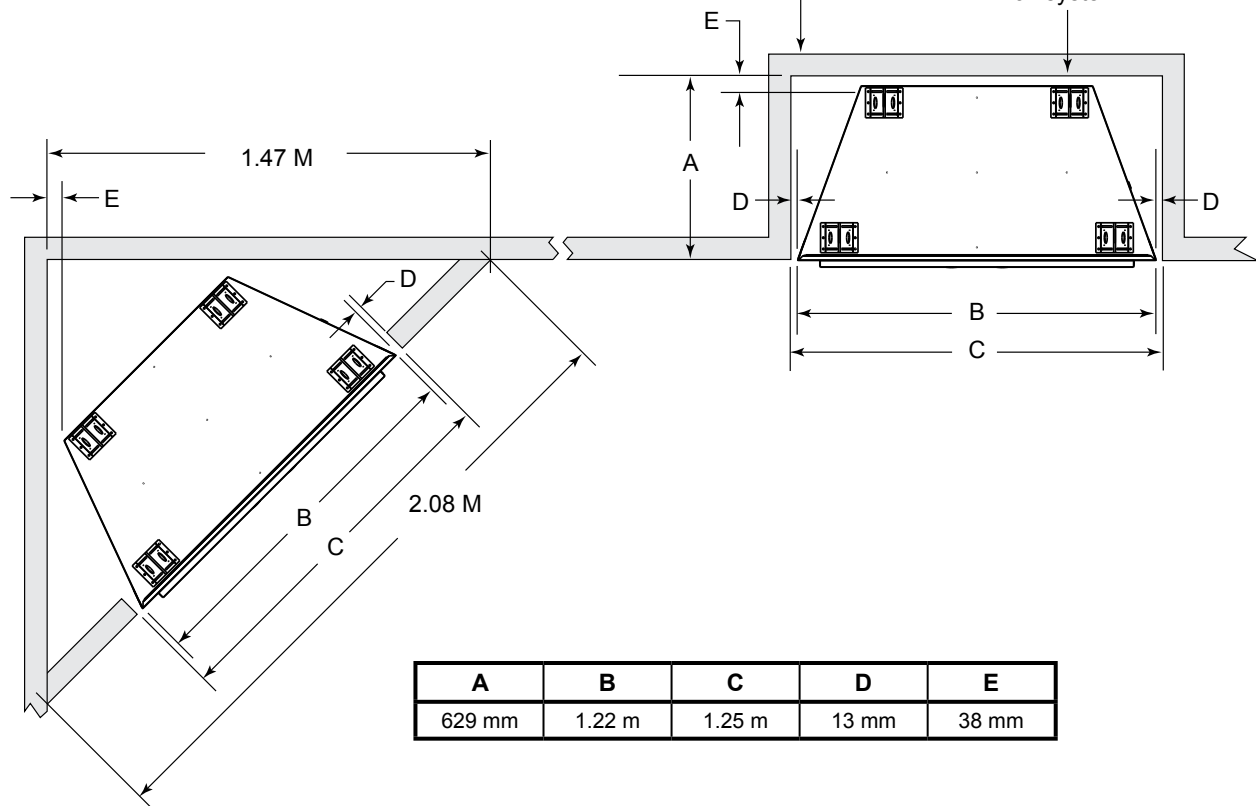


Figure 3.1 Fireplace Locations

This appliance shall be used in an above ground open-air situation with natural ventilation, without stagnant areas, where gas leakage and products of combustion are rapidly dispersed by wind and natural convection.

B. Clearances

- Appliance must be installed in amply insulated area.
- Area must have minimum of 25% of surface area open.
- Surface area = sum of walls surface.

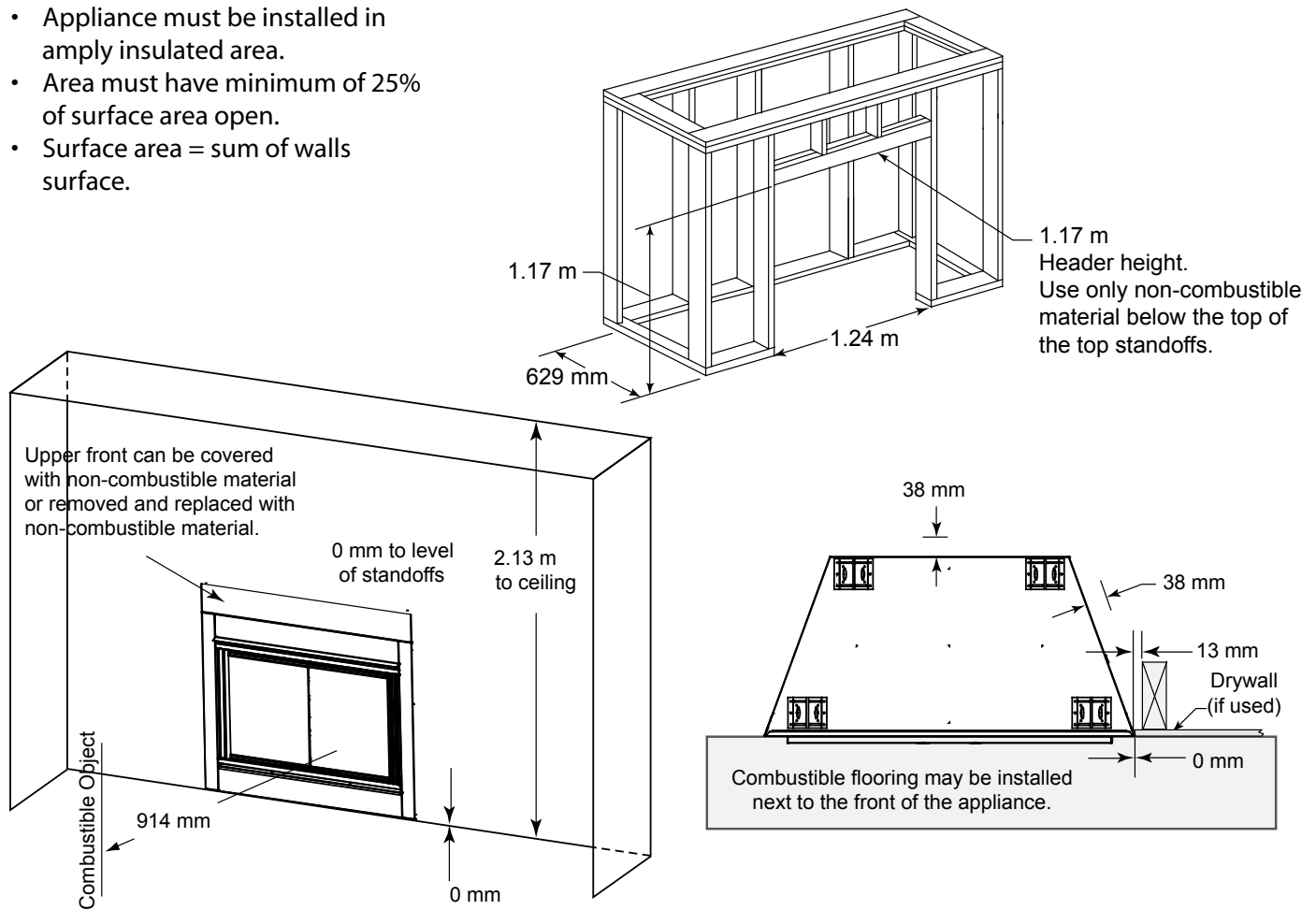
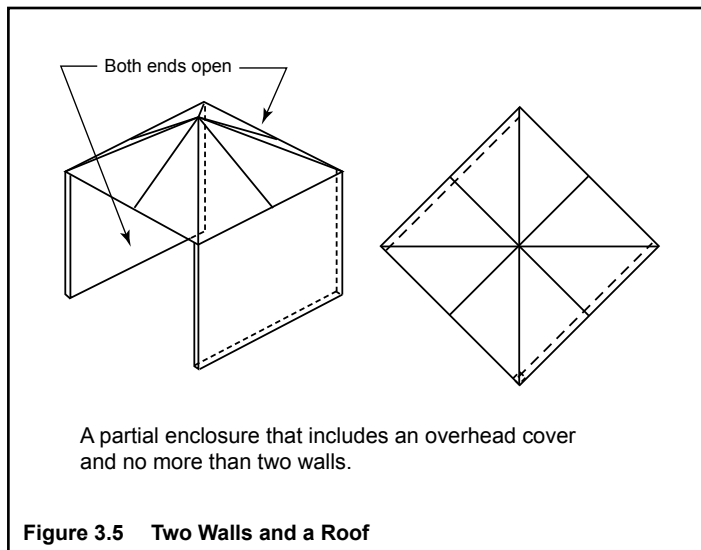
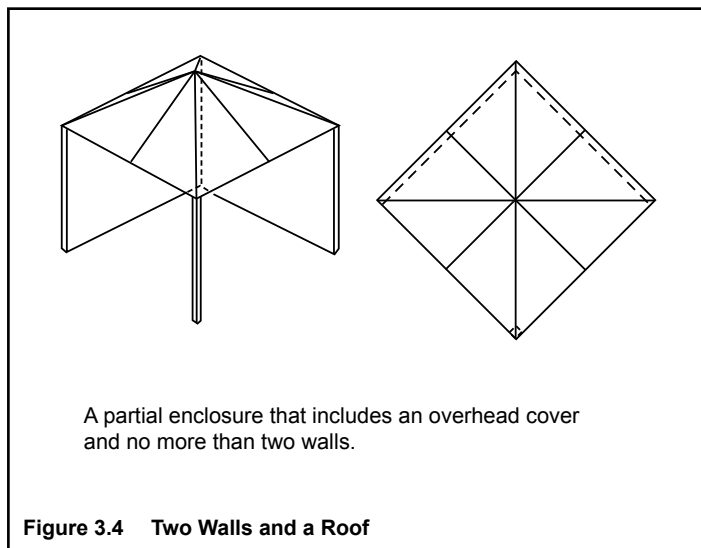
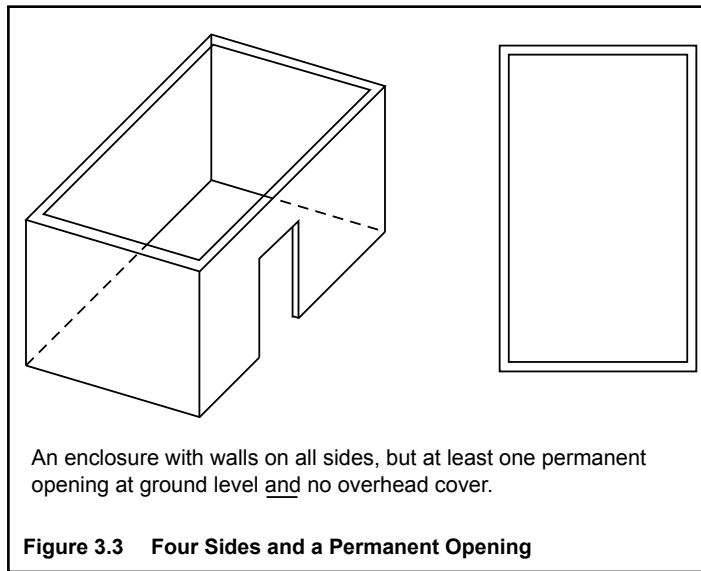


Figure 3.2 Framing Dimensions

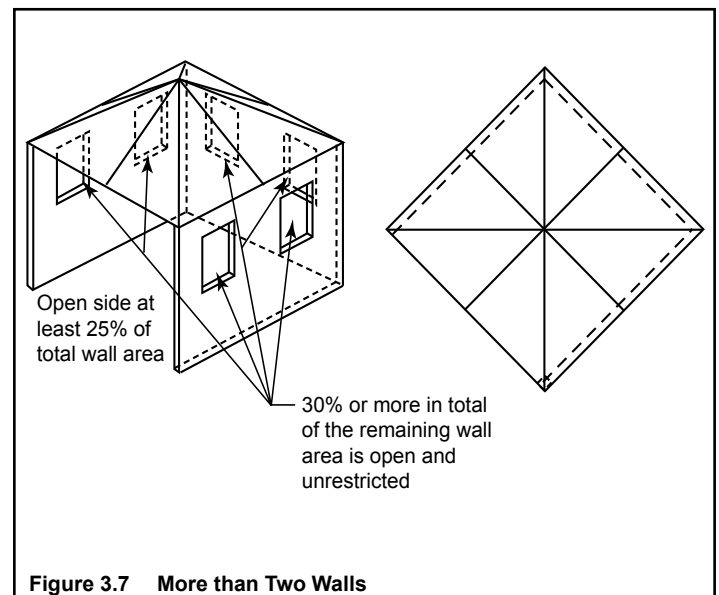
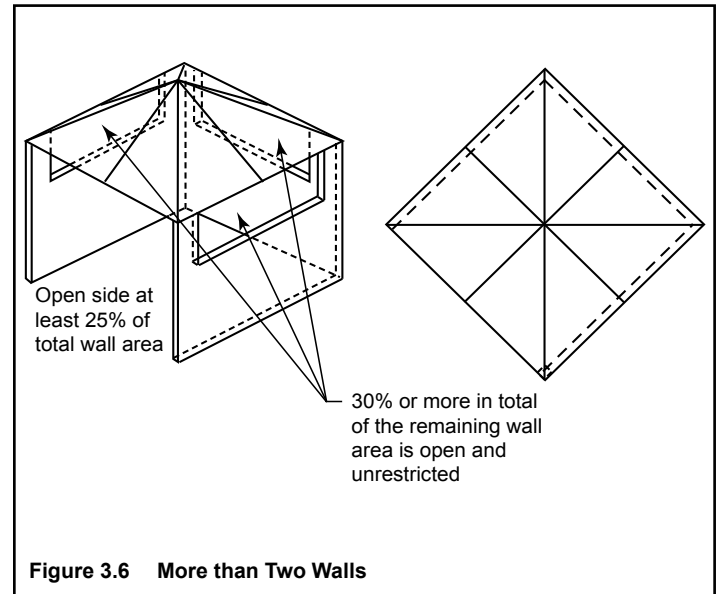
C. Outdoor Enclosure Options

Any enclosure in which the appliance is used shall comply with one of the following (Figures 3.3 - 3.7):



With an overhead cover and more than two walls, the following shall apply (Figures 3.6 - 3.7):

- At least 25% of the total wall area is completely open, and
- At least 30% of the remaining wall area is open and unrestricted.
- In the case of balconies, at least 20% of the total wall area shall be, and will remain, open.



4 Fireplace Preparation

CAUTION



Sharp Edges

- Wear protective gloves and safety glasses during installation.



A. Remove Logs and Shipping Cover

Remove locking screw at the top of the doors (shown in Figure 4.1).

Open the doors by sliding the handles toward the outside edges of the doors as shown in Figure 4.1. Remove the cartons of logs from their shipping location in the fireplace. Set logs and door lock bracket screw aside for later reinstallation.

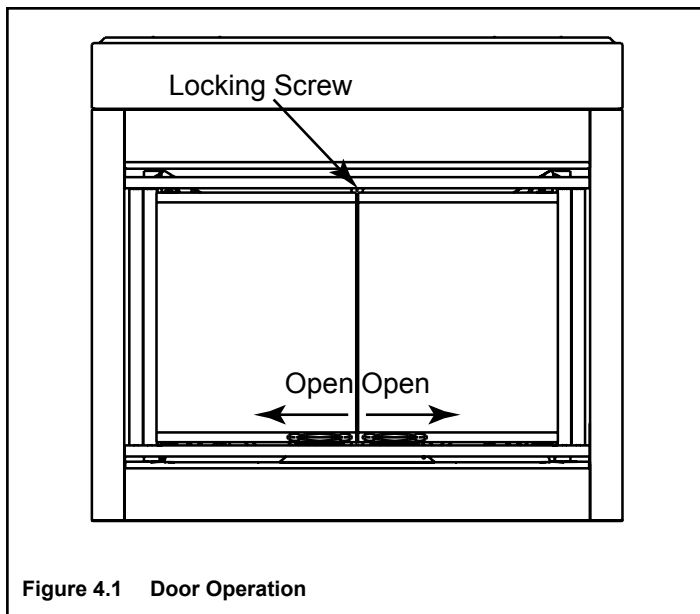


Figure 4.1 Door Operation

Save logs and locking screw, to complete installation.

CAUTION

Do NOT notch into the framing around the fireplace spacers.

B. Securing and Leveling Fireplace



WARNING



Fire Risk

- Prevent contact with sagging, loose insulation.
- Do NOT install against vapor barriers or exposed insulation.

The diagram shows how to properly position, level, and secure the fireplace (see Figure 4.2). Nailing tabs are provided to secure the fireplace to the framing members.

- Place the fireplace into position on either a combustible or non-combustible continuous flat surface.

Note: The top standoffs may be removed before sliding fireplace into position only if using a non-combustible enclosure.

- Level the fireplace from side to side and front to back.
- Shim the fireplace as necessary.
- Bend out nailing tabs on each side.
- Keep nailing tabs flush with the framing.
- Secure the fireplace to the framing by using nails or screws through the nailing tabs.
- Place a bead of caulk along the front of the fireplace to prevent water running under the fireplace.

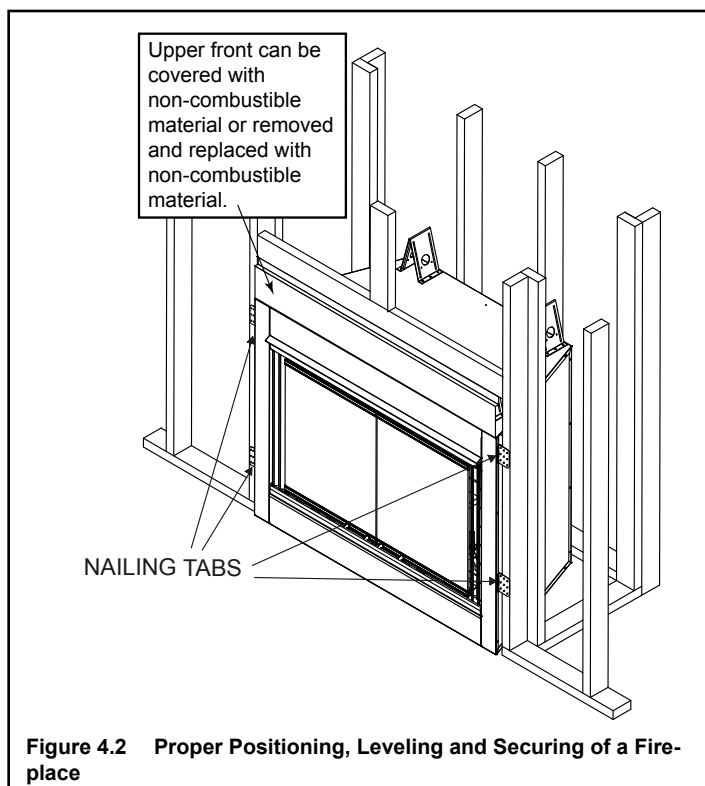


Figure 4.2 Proper Positioning, Leveling and Securing of a Fireplace

5 Gas Information

A. Gas Pressure Requirements

Pressure requirements for Outdoor Lifestyle gas fireplaces are shown in Table 5.1 below.

Two taps are provided on the outlet side of the gas control for a test gauge connection to measure the inlet and outlet pressures. These inlet and outlet pressure taps can be accessed through the internal valve access panels as shown in **Section 10: Maintaining and Servicing the Fireplace.**

The fireplace and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of the system at test pressures in excess of 60 mbar.

If the fireplace must be isolated from the gas supply piping system by closing an individual shut-off valve, it must be of the handle-less type.

B. Gas Connection

Note: Have the gas supply line installed in accordance with local building codes by a qualified installer approved and/or licensed as required by the locality.

Note: Before the first firing of the fireplace, the gas supply line should be purged of any trapped air.

Note: Consult local building regulations to properly size the gas supply line leading to the hook-up at the unit.

Note: Gas line **MUST** be run from right side of fireplace.

WARNING



Fire Risk

Explosion Risk

High pressure will damage valve.

- Disconnect gas supply piping **BEFORE** pressure testing gas line at test pressures above 60 mbar.
- Close the manual shutoff valve **BEFORE** pressure testing gas line at test pressures equal to or less than 60 mbar.



WARNING



CHECK FOR GAS LEAKS

Fire Risk

Explosion Risk

Asphyxiation Risk

- Check all fittings and connections.
- Do not use open flame.
- After the gas line installation is complete, all connections must be tightened and checked for leaks with a commercially available, non-corrosive leak check solution. Be sure to rinse off all leak check solution following testing.



Fittings and connections may have loosened during shipping and handling.

Table 5.1

	Natural Gas	Propane
Supply Pressure	1.13 kPa	2.75 kPa
Outlet Pressure	.75 kPa	2.40 kPa
Burner Injector	DMS 25	DMS 44

6 Electrical Information

A. Ignition System Wiring

- This fireplace is equipped with an electronic ignition system which operates on a 6 volt system.
- The batteries are located within the ignition module which is located within the external control box. A wiring diagram is shown in Figure 6.1.
- The battery pack requires four AA batteries (not included). See **Section 10.B.** for battery replacement.

B. Remote Control

- This fireplace is equipped with a remote control to operate the ignition system.
- 9 volt battery required.
- Follow operating instructions included with remote control.

CAUTION

Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

CAUTION

Battery polarity must be correct or module damage will occur.

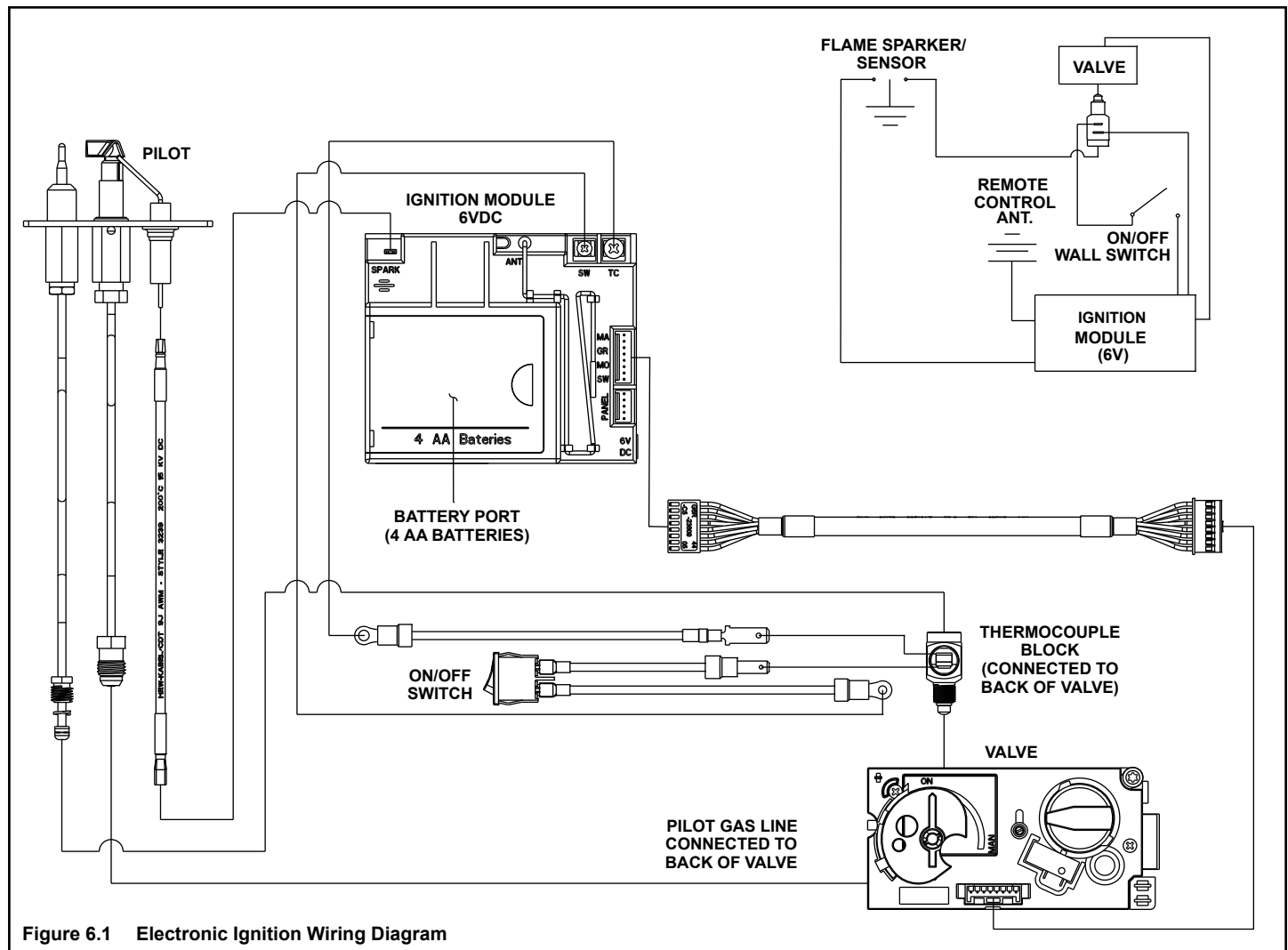


Figure 6.1 Electronic Ignition Wiring Diagram

7 Finishing

A. Mantel Projections

Figure 7.1 shows the minimum vertical dimension of fireplace mantels or other combustible projections above the top front edge of the fireplace.

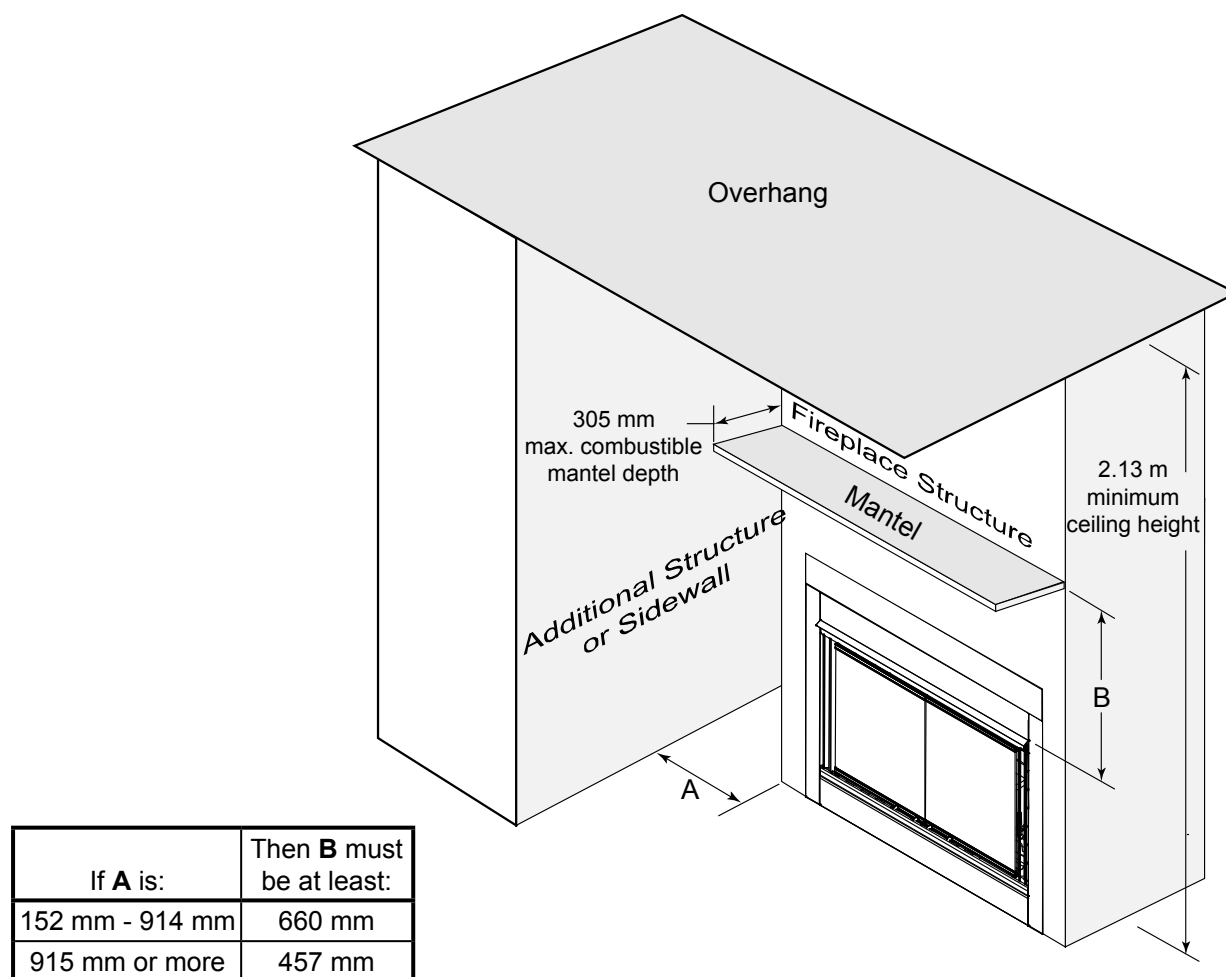


Figure 7.1 Clearances to Combustible Mantels or other Combustibles above Fireplace

B. Facing Material



⚠ WARNING

Fire Risk

Do NOT obstruct air inlet or outlet grilles.
Do NOT modify grilles.

- Modifying or covering grilles could cause temperature rise and fire hazard.

Finishing materials must not interfere with:

- Air flow through grilles or louvers.
- Operation of louvers or doors.
- Access for service.

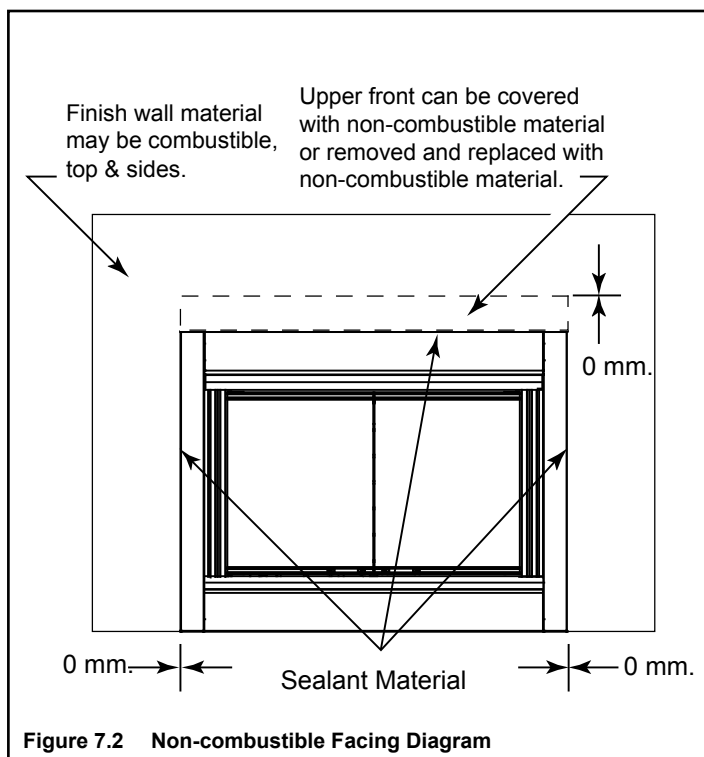


⚠ WARNING

Fire Risk

Finish all edges and fronts to clearances and specifications listed in manual.

- Metal fireplace front may be covered with non-combustible material only.
- Do NOT overlap combustible materials onto fireplace front.
- Install combustible materials up to specified clearances on top front and side edges.
- Seal joints between the finished wall and fireplace top and sides using only a 150° C minimum sealant.



8 Fireplace Setup

A. Clean the Fireplace

Clean/vacuum any materials that may have accumulated inside the firebox.

B. Grate Assembly Placement

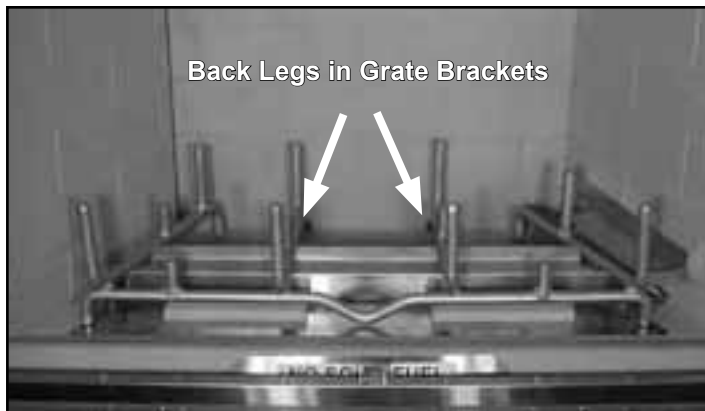


Figure 8.1 Back Legs in Grate Brackets (front view)



Figure 8.2 Top view

Ensure grate assembly is over burner assembly, centered from left to right, and back legs are in grate brackets.

C. Positioning the Logs

See Section 12.B. for log descriptions and illustrations.

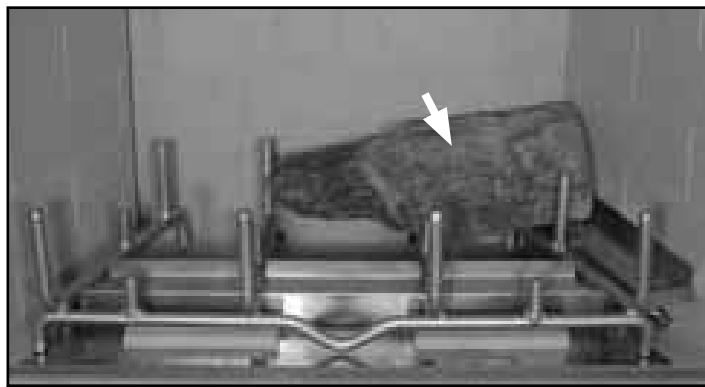


Figure 8.3 Right Rear Log (SRV720) (front view)



Figure 8.4 Top view

Place right rear log on the grate against the fireplace right side wall, so that its right end sits in the bracket opening.

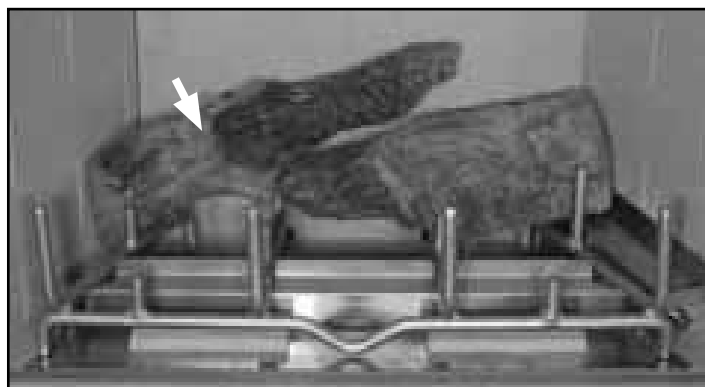


Figure 8.5 Left Rear Log (SRV728) (front view)

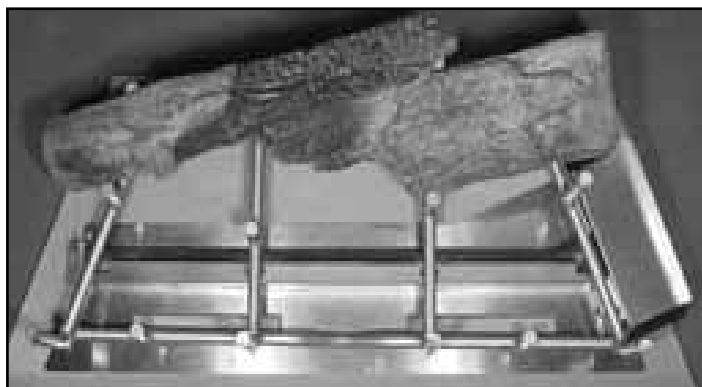


Figure 8.6 Top view

Place the left rear log on the grate against the left wall and rest it on the right rear log.

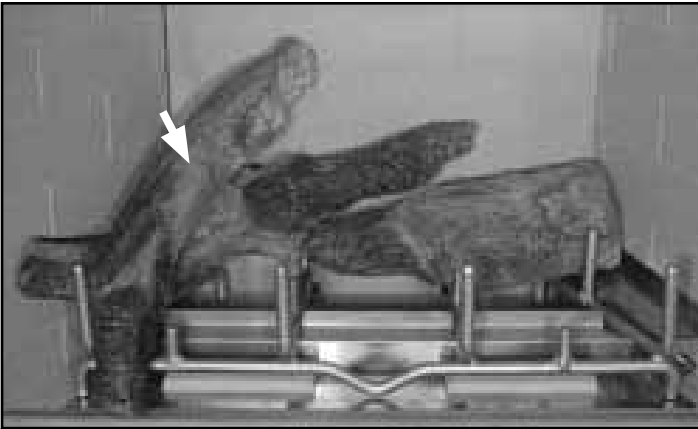


Figure 8.7 Left Side Log (SRV723) (front view)



Figure 8.8 Top view

Place the fork of log onto the left front bar and rest its back on left rear log.

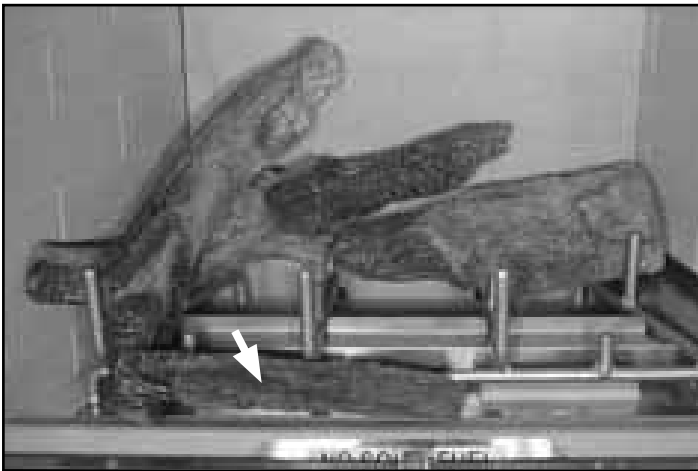


Figure 8.9 Front Log (SRV727) (front view)



Figure 8.10 Top view

Place front log in front of the main grate with its left end resting on left side log as shown.



Figure 8.11 Front Left Log (SRV722) (front view)



Figure 8.12 Top view

Place front left log between locating bars so it rests against left side log and on top of front log.



Figure 8.13 Front Right Log (SRV724) (front view)



Figure 8.14 Top view

Place right center log between the 4th and 5th vertical bars on the log grate, resting the back on right rear log.



Figure 8.15 Right Side Log (SRV740) (front view)



Figure 8.16 Top view

Place right side log against the rightmost front grate bar and rest its rear on right rear log, angled towards the corner as shown.



Figure 8.17 Right Front Corner Log (SRV742) (front view)

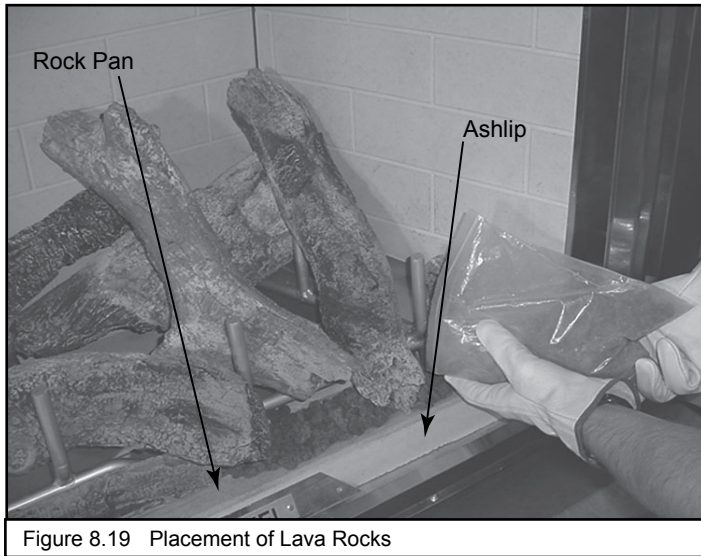


Figure 8.18 Top view

Place right front corner log between the right side wall and right side grate bar as shown.

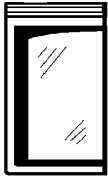
D. Placing Lava Rock

- After logs have been placed spread part of the lava rock (included) between the rock pan and ashlip (see Figure 8.19). Use of lava rock is optional.



E. Glass Assembly

WARNING



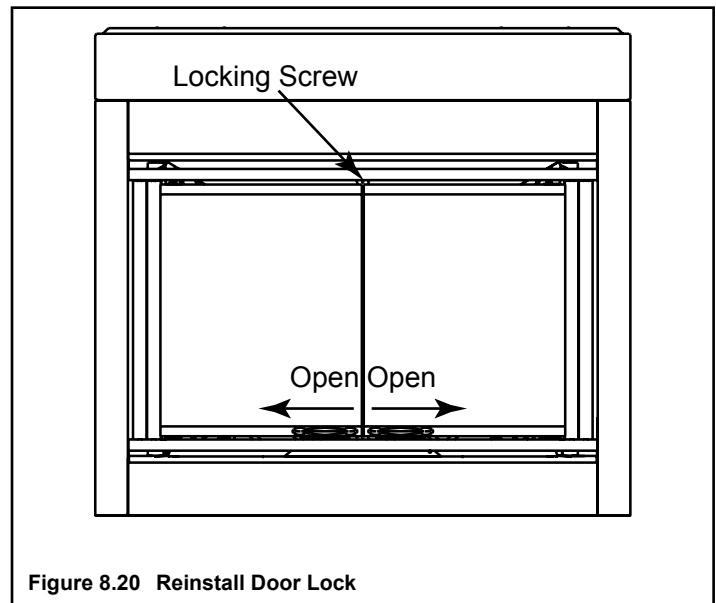
Handle glass with care.

- Inspect the glass for cracks, chips or scratches.
- Do NOT strike, slam or scratch glass.
- Do NOT operate fireplace with glass door removed, cracked, broken or scratched.
- Replace glass door assembly as a complete assembly.

- The glass doors are included with and pre-installed in the fireplace.
- To adjust doors (door lock screw must be removed, see Section 4.A. and Figure 8.20), open them and loosen screws on top and bottom pivot pins. Slide each door as necessary and tighten screws.
- To adjust handle, loosen screws to move handles as necessary and tighten screws.

F. Reinstall Door Lock

- When logs and lava rock have been installed, or if the glass assembly has been adjusted, reinstall the door lock by inserting the screw at the top of the door (see also, Section 4.A.). Tighten screw.

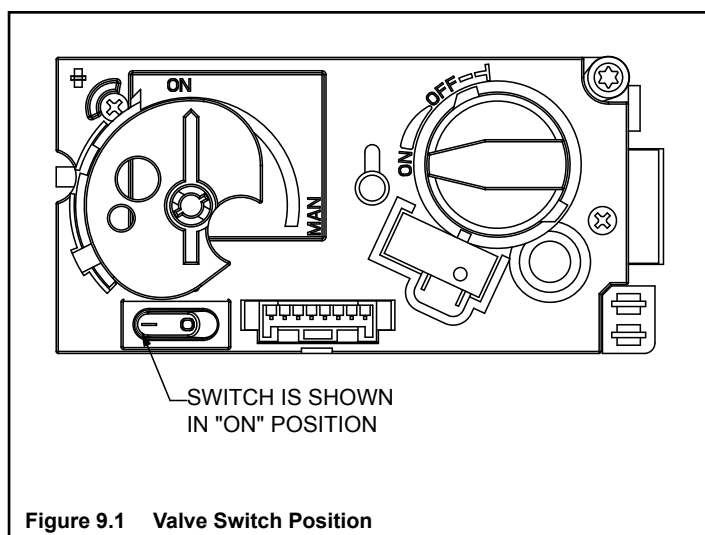


9 Operating Instructions

A. Before Lighting Fireplace

Before operating this fireplace, have a qualified technician:

- Remove all shipping materials from inside the firebox.
- Review proper placement of logs and lava rock.
- Check the wiring and batteries.
- Check the air shutter adjustment.
- Ensure that there are no gas leaks.
- Ensure that the flow of combustion and ventilation air is not obstructed (front grilles).
- Switch must be in position shown in Figure 9.1 in order for remote control to operate properly.



B. Operating Cautions

- DO NOT PLACE ARTICLES ON OR AGAINST THE APPLIANCE.
- DO NOT USE OR STORE FLAMMABLE MATERIALS NEAR THE APPLIANCE.
- DO NOT SPRAY AEROSOLS IN THE VICINITY OF THE APPLIANCE WHILE IT IS IN OPERATION.
- TO BE INSTALLED ONLY BY AN AUTHORIZED PERSON.
- THIS APPLIANCE SHALL NOT BE INSTALLED OR USED INDOORS.
- THE GUARD IS FITTED TO THIS APPLIANCE TO REDUCE THE RISK OF FIRE OR INJURY FROM BURNS, AND NO PART OF IT SHOULD BE REMOVED.
- Certain materials, when stored near the appliance, will be subjected to radiant heat and could be damaged.

⚠ WARNING

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this fireplace. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

⚠ WARNING



HOT SURFACES!

Glass and other surfaces are hot during operation and cool down.

Hot glass will cause burns.

- Do not touch glass until it is cooled
 - NEVER allow children to touch glass
 - Keep children away
- CAREFULLY SUPERVISE children in same room as appliance.
 - Alert children and adults to hazards of high temperatures.
- High temperatures may ignite clothing or other flammable materials.**
- Keep clothing, furniture, draperies and other combustibles away.

C. Lighting the Fireplace

Electronic Ignition

FOR YOUR SAFETY READ BEFORE LIGHTING

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.** This fireplace is equipped with an electronic pilot ignition device which automatically lights the burner. Do not try to light the burner by hand.
- B. BEFORE LIGHTING**, smell all around the fireplace 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.** Do not use this fireplace if any part has been under water. Immediately call a qualified service technician to inspect the fireplace and to replace any part of the control system and any gas control which has been under water.

WARNING:

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this fireplace.

This fireplace needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air.

If not installed, operated, and maintained in accordance with the manufacturer's instructions, this product could expose you to substances in fuel or fuel combustion.

Keep burner and control compartment clean. See installation and operating instructions accompanying fireplace.

CAUTION:

Hot while in operation. Do not touch. Keep children, clothing, furniture, gasoline and other liquids having flammable vapors away.

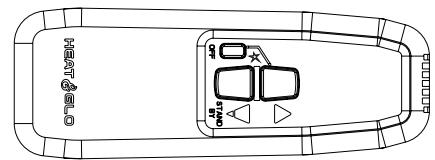
Do not operate the fireplace with panel(s) removed, cracked or broken. Replacement of the panel(s) should be done by a licensed or qualified service person.

NOT FOR USE WITH SOLID FUEL

For use with natural or propane gases.

LIGHTING INSTRUCTIONS

1. This fireplace is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.
2. 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 located on the left side of this label. If you don't smell gas, go to next step.



3. To light the burner, simultaneously press the star ★ and up ▲ arrow buttons on the remote control until a short acoustic signal confirms the start sequence has begun.
4. If the fireplace will not operate, check the batteries then follow the instructions "To Turn Off Gas to Fireplace" and call your service technician or gas supplier.

TO TURN OFF GAS TO FIREPLACE

1. Push the 'OFF' button on remote.
2. Remove batteries from receiver.

D. After the Fireplace is Lit

Initial Break-in Procedure

When you light the fireplace, you may notice that it produces heat which does have an associated odor or smell. If you feel this odor is excessive it may require the initial three to four hour continuous burn on high followed by a second burn up to 12 hours to fully drive off any odor from paint and lubricants used in the manufacturing process. Condensation of the glass is normal

CAUTION

- Prevent accidental fireplace operation when not attended.
- Remove batteries from remote switch if absent or if fireplace will not be used for an extended period of time.
- Property damage possible from elevated temperatures.



WARNING

Fire Risk

Keep combustible materials, gasoline and other flammable vapors and liquids clear of fireplace.

- Do NOT store flammable materials in the vicinity of the fireplace.
- Do NOT use gasoline, lantern fuel, kerosene, charcoal lighter fluid or similar liquids in this fireplace.

Combustible materials may ignite.

E. Frequently Asked Questions

Issue	Solution
Condensation on the glass	This is a result of gas combustion and temperature variations. As the fireplace warms, this condensation will disappear.
Blue flames	This is a result of normal operation and the flames will begin to yellow as the fireplace is allowed to burn for 20 to 40 minutes.
Odor from fireplace	When first operated, this fireplace may release an odor for the first several hours. This is caused by the curing of the paint and the burning off of any oils remaining from manufacturing.
Metallic noise	Noise is caused by metal expanding and contracting as it heats up and cools down, similar to the sound produced by a furnace or heating duct. This noise does not affect the operation or longevity of the fireplace.

10 Maintaining and Servicing the Fireplace

Although the frequency of fireplace servicing and maintenance will depend on use and the type of installation, a qualified service technician should perform an fireplace check-up annually.

Debris from any outside source and/or soot must be removed from the fireplace. Allow logs to cool, remove if necessary, vacuum and replace in accordance with instructions on pages 13-16. It is imperative that control compartments, burners, and circulating air passageways of the appliance be kept clean.

WARNING

Risk of injury or property damage

Before servicing:

- Turn off gas.
- Disable remote control.
- Ensure fireplace is completely cooled.
- Remove door lock screw.

After Servicing:

- Replace door lock screw.

WARNING



Annual inspection by qualified technician recommended.

Check:

- Condition of doors, surrounds and fronts.
- Condition of glass, glass assembly.
- Obstructions of combustion and ventilation air.
- Condition of logs.
- Condition of firebox.
- Burner ignition and operation.
- Burner air shutter adjustment.
- Gas connections and fittings.

Clean:

- Glass.
- Air passageways, grilles, control compartment.
- Burner, burner ports.

Risk of:

- Fire
- Delayed ignition or explosion
- Exposure to combustion fumes
- Odors

CAUTION



Handle glass assembly with care.

Note: Clean glass after initial 3-4 hours operation. **Longer operation without cleaning glass may cause a permanent white film on glass.**

When cleaning glass door:

- Avoid striking, scratching or slamming doors.
- Do NOT use abrasive cleaners.
- Use a hard water deposit glass cleaner on white film.
- Do NOT clean glass when it is hot.
- Turn off fireplace after 3-4 hours of operation and ALLOW TO COOL.
- Remove and clean glass assembly.
- Replace glass assembly and operate fireplace for an additional 12 hours.

Refer to maintenance instructions.

A. Valve Access and Service

- The gas valve can be accessed behind the cement refractory panel on the right side of the fireplace.
- Remove door lock screw. Lift doors out and set aside. There is a washer under each door. Be careful not to lose the washers.

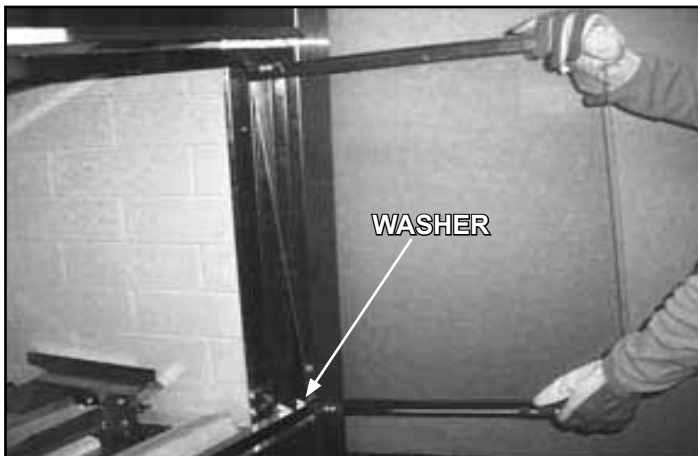


Figure 10.1 Lift Out Doors

- Remove logs if access is necessary after installation is complete. See Section 8.C. Remove logs in reverse order of set up.
- Remove grate if access is necessary after installation is complete. (Refer to Section 8.B.)
- Remove two screws on side of pilot shield and remove shield.



Figure 10.2 Remove Pilot Shield

- Use a phillips screwdriver to remove the two screws securing the refractory retaining strip. Remove the refractory side panel and set aside.



Figure 10.3 Loosen Refractory Retaining Strip

- Remove the inside valve access panel by lifting it up and out.



Figure 10.4 Remove Valve Access Panel

- Use a phillips screwdriver to remove the exterior valve access panel (remove four screws).

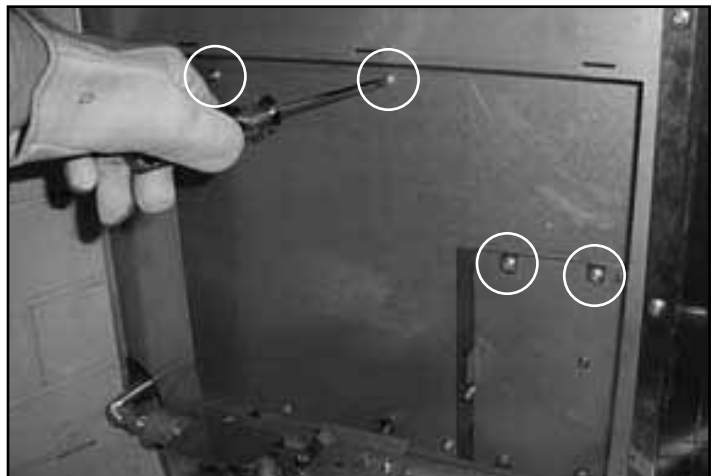


Figure 10.5 Remove Exterior Valve Access Panel

- Loosen lower pressure tap screw before attaching manometer. Start up the fireplace to verify the pressure and adjust as necessary. Reverse these steps to reassemble before log positioning.

Note: Pressure tap screws must be re-tightened.

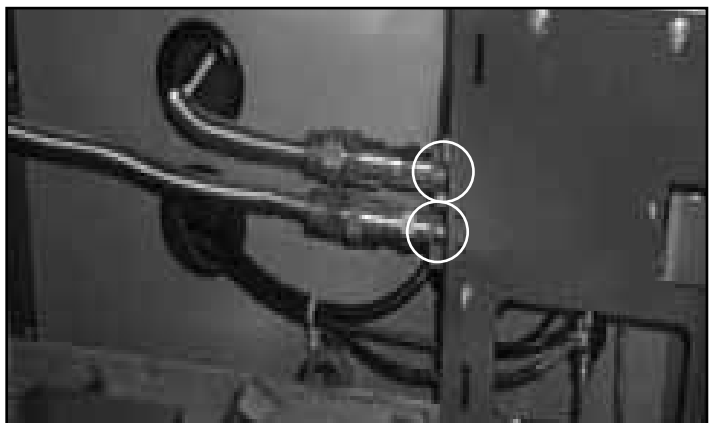
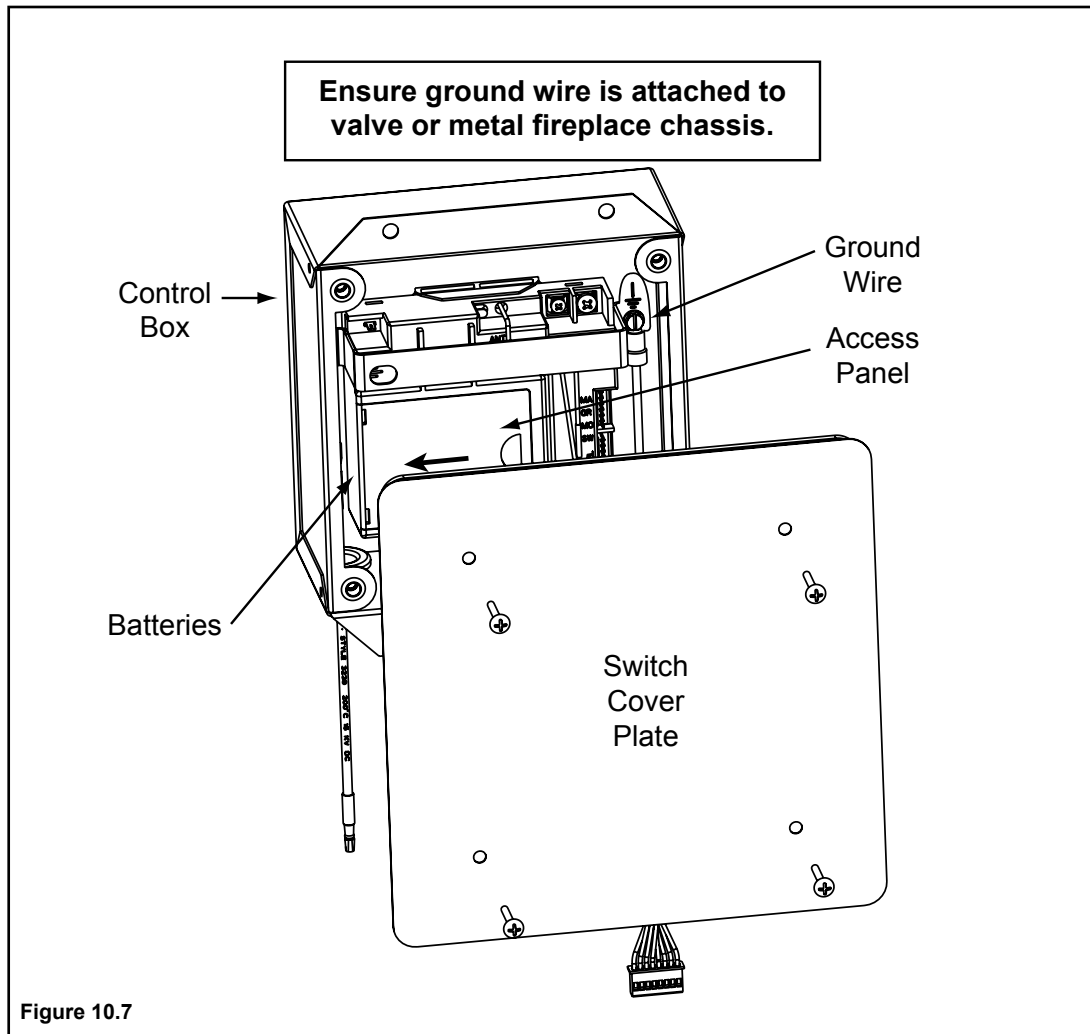


Figure 10.6 Connect Manometer

B. Battery Replacement

- Remove switch cover plate from the control box.
- Slide access panel.



- Replace four AA batteries.
- Replace access panel and switch cover plate.

C. Maintenance and Service Tasks:

Inspect	Maintenance Tasks
Doors, surrounds and fronts	1 Inspect for scratches and nicks that can lead to breakage when exposed to heat.
	2 Verify no obstructions to airflow through the louvers.
	3 Verify proper clearance to combustible household objects is maintained.
Glass assembly and glass	1 Inspect glass panels for scratches and nicks that can lead to breakage when exposed to heat.
	2 Confirm there is no damage to glass or glass frame. Replace as necessary.
	3 Verify that latches engage properly, clip studs are not stripped, and glass attachment components are intact and operating properly. Replace as necessary.
	4 Clean glass using a nonabrasive cleaner such as Brasso®. Replace glass assembly if severely coated with silicate deposits that cannot be removed.
Valve compartment	1 Vacuum and wipe out dust, cobwebs and debris. Use caution when cleaning these areas. Screw tips that have penetrated the sheet metal are sharp and should be avoided.
	2 Remove any foreign objects.
	3 Verify unobstructed air circulation.
Logs	1 Inspect for broken, damaged or missing logs. Replace as necessary.
	2 Verify correct log placement and no flame impingement causing sooting. Correct as necessary.
Burner ignition and operation	1 Verify burner is properly secured and aligned with pilot or igniter.
	2 Clean off burner top, inspect for plugged ports, corrosion or deterioration. Replace burner if necessary.
	3 Check for smooth lighting and ignition carryover to all ports. Verify there is no ignition delay.
	4 Inspect for lifting or other flame problems.
	5 Verify air shutter is clear of dust and debris.
	6 Inspect orifice for soot, dirt or corrosion.
	7 Verify manifold and inlet pressures. Adjust regulator as required.
	8 Inspect pilot flame strength. Clean or replace orifice as necessary.
	9 Verify millivolt output. Replace as necessary.
Remote controls	1 Verify operation of remote.
	2 Replace battery in remote transmitters and batteries powering receivers.
	3 If fireplace will not be used for a long period of time, verify batteries have been removed.

11 Troubleshooting

With proper installation, operation and maintenance your gas fireplace will provide years of trouble-free service. If you do experience a problem, this troubleshooting guide will assist a qualified service person in the diagnosis of a problem and the corrective action to be taken. This troubleshooting guide can only be used by a qualified service technician.

A. Electronic Ignition System

Symptom		Possible Causes	Corrective Actions
1.	No transmission, motor does not turn.	A. Receiver must learn new code.	Press and hold the receiver's reset button until you hear 2 acoustic signals. After the second longer acoustic signal, release the reset button and within the subsequent 20 seconds, press the down arrow on the remote handset until you hear an additional long acoustic signal confirming the new code is set.
2.	No ignition. No tone.	A. Receiver	Replace receiver and reprogram code.
3.	No ignition; one 5 seconds continuous tone (7 shorts beeps might be heard prior to the 5 seconds tone).	A. ON/OFF switch is in OFF position.	Push switch to ON position.
		B. Loose wire.	Secure wire.
		C. Receiver.	Replace receiver and reprogram.
		D. Bent pins on 8 wire connector.	Straighten pins on 8 wire connector.
		E. Valve.	Replace valve.
4.	No pilot flame and control continues to spark.	A. Air in the pilot supply line.	Purge the line or start ignition several times.
		B. Thermocouple circuit wired incorrectly.	Check polarity of the thermocouple wires.
		C. No spark at pilot burner.	Check spark gap, check wiring connection. Check for spark in location along cable.
		D. Valve.	Replace valve. Do not over tighten.
		E. Over tightened thermocouple interrupter.	Replace valve and thermocouple interrupter.
		F. Receiver.	Replace receiver and reprogram code.
5.	Pilot is lit and control continues to spark. Valve shuts off after 10...30 seconds. Valve operates manually.	A. Receiver.	Replace receiver and reprogram code.
6.	Pilot is lit, sparking stops if a flame is present. Valve shuts off after 10...60 seconds. Valve does not work manually.	A. Thermocouple.	Replace thermocouple.
		B. Low inlet pressure to valve.	Confirm sufficient inlet pressure to the valve. Adjust or replace inlet regulator if necessary.
		C. Valve.	Replace valve. Do not over tighten the thermocouple interrupter.
7.	3 short beeps while the motor turns.	A. Batteries are low.	Replace batteries - quality alkaline recommended. WARNING: Creating an electrical short between the batteries/battery box and metal parts of the appliance may render the receiver inoperable.
8.	Pilot flame lights but there is no main gas flow.	A. Manual override knob (if equipped) is in MAN position.	Turn Manual override knob to ON position.
		B. Valve turned down to pilot flow.	Turn flame to high fire by pressing up button on remote handset.
		C. Low inlet pressure to valve.	Confirm sufficient inlet pressure to the valve. Adjust or replace inlet regulator if necessary.
		D. Valve.	Replace valve.
9.	Pilot sparks, but pilot will not light.	A. Correct gas supply.	Verify that incoming gas line ball valve is "open". Verify that inlet pressure reading is within acceptable limits, inlet pressure must not exceed 50 mbar.
		B. Ignitor gap is too large.	Verify that spark gap from ignitor to pilot hood is .43 cm.
		C. Module is not grounded.	Verify control box is securely grounded to metal chassis of fireplace.

12 Reference Materials

A. Fireplace Dimension Diagram

Dimensions are actual fireplace dimensions. Use for reference only. For framing dimensions and clearances refer to Section 3.

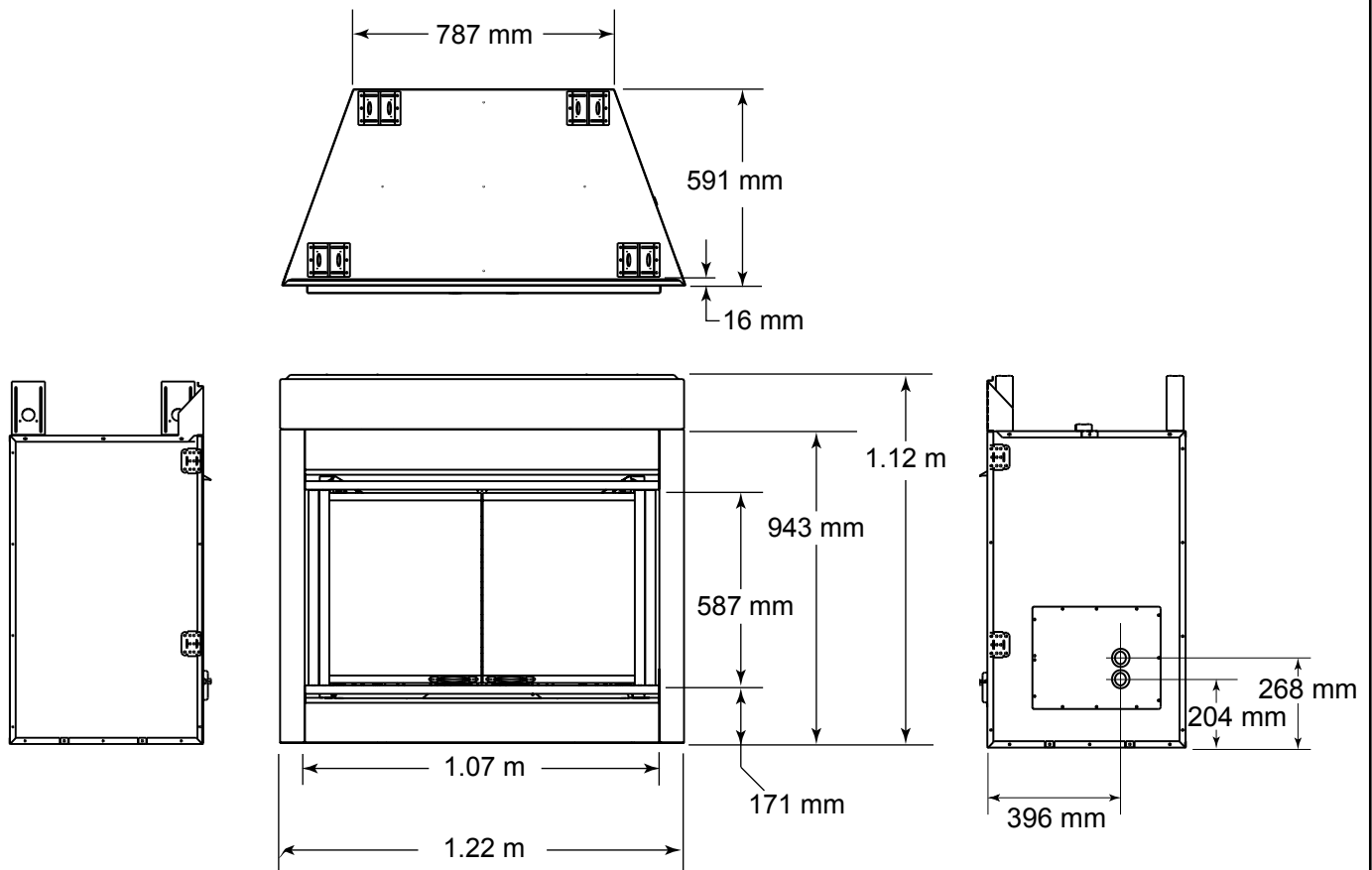


Figure 12.1 Fireplace Dimensions

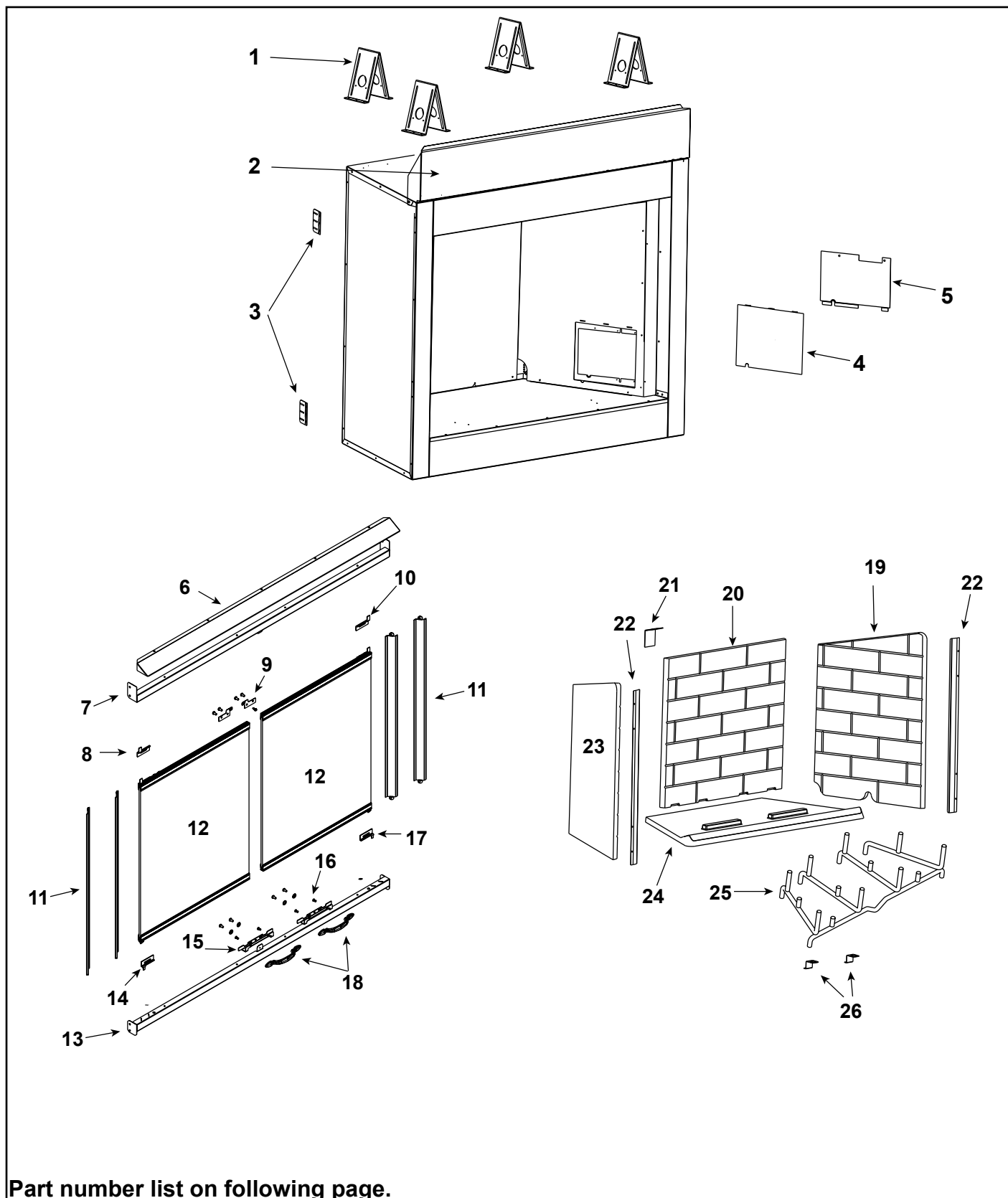
➔ B. Service Parts List



Service Parts

DAK-N-AU, DAK-P-AU

42" Dakota - Outdoor Gas Fireplace Beginning Manufacturing Date: June 2007
Ending Manufacturing Date: Active



Part number list on following page.

B. Service Parts List (continued) Service Parts**DAK-N-AU, DAK-P-AU**

Beginning Manufacturing Date: June 2007
Ending Manufacturing Date: Active

IMPORTANT: THIS IS DATED INFORMATION. When requesting service or replacement parts for your appliance please provide model number and serial number. All parts listed in this manual may be ordered from an authorized dealer.

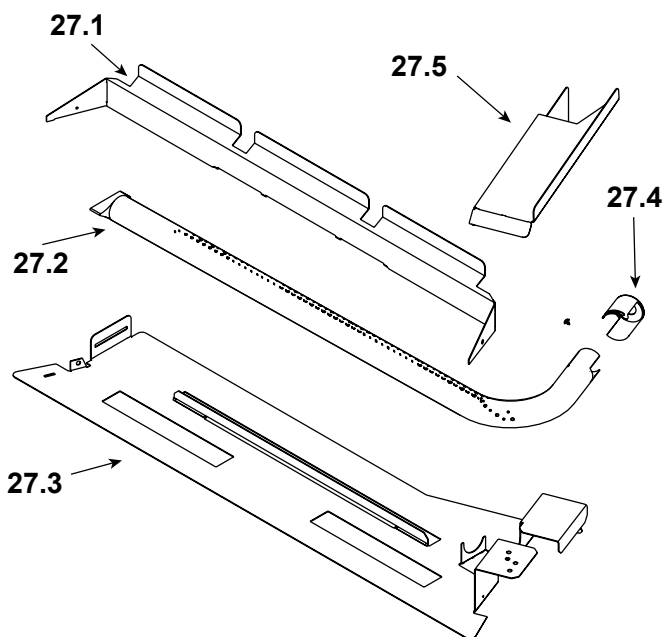
ITEM	DESCRIPTION	COMMENTS	PART NUMBER
1	Top Standoffs	Qty. 4 Req.	4036-228
2	Upper Front		4036-197
3	Nailing Flange	Qty. 4 Req.	31190
4	Inner Shell Access Panel		4036-137
5	Intermediate Shell Access Panel		2097-139
6	Gas Hood		4036-225
7	Top Door Support Assembly		4036-082
8	Pivot Pin, Left Top		4036-119
9	Door Lock	Qty. 2 Req.	4036-226
10	Pivot Pin, Right Top		4036-118
11	Door Grille Bar	Qty. 4 Req.	4036-177
	Glass Door Assembly	Right	4036-096
		Left	4036-097
12	Glass Panel Assembly		4036-020
13	Bottom Door Support Assembly		4036-083
14	Pivot Pin, Left Bottom		4036-116
15	Handle Bracket		4036-178
16	#8 32x3/8 PH Flat Counter Sink	Qty. 2 Req.	4021-345
17	Pivot Pin, Right Bottom		4036-115
18	Door Handle		4021-350
19	Right Side Refractory		4036-145
20	Back Refractory		28394
21	Back Refractory Bracket		4036-121
22	Side Refractory Cover	Qty. 2 Req.	4036-133
23	Left Side Refractory		4036-146
24	Hearth Refractory		4036-740
25	Grate		4036-067
26	Grate Retainer Clip	Qty. 2 Req.	28062
	Lava Rock		4021-296
	Remote Control		REM-OUT-CE
	Conversion Kit N to P		N2P-DAK-AU
	Conversion Kit P to N		P2N-DAK-AU
	Pilot Orifice N		2098-518
	Pilot Orifice L		2098-512
	Installation Instructions/Owner's Manual		4036-914

Additional service part numbers appear on following page.

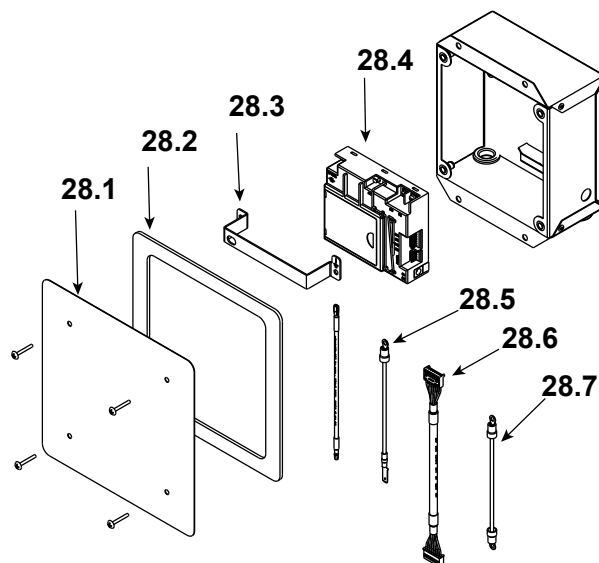


Beginning Manufacturing Date: June 2007
Ending Manufacturing Date: Active

#27 Burner Assembly



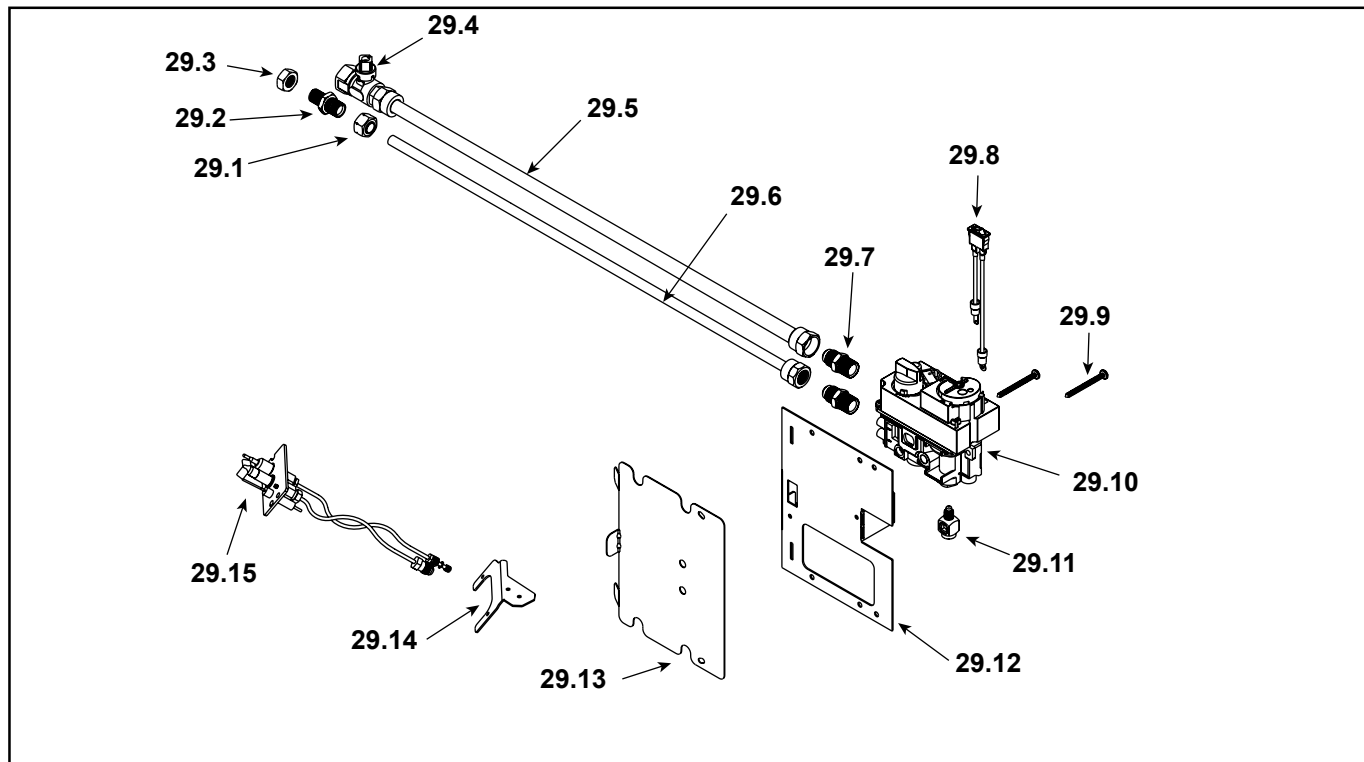
#28 Control Box Assembly



IMPORTANT: THIS IS DATED INFORMATION. When requesting service or replacement parts for your appliance please provide model number and serial number. All parts listed in this manual may be ordered from an authorized dealer.

ITEM	DESCRIPTION	COMMENTS	PART NUMBER
27	Burner Assembly		
27.1	Rock Retainer		4036-190
27.2	Burner Tube N		4036-187
	Burner Tube P		4036-188
27.3	Burner Tube Bracket		4036-189
27.4	Air Shutter		4036-194
27.5	Pilot Shield		4036-248
28	Control Box Assembly		
28.1	Control Box Cover Plate		2097-133
28.2	Control Box Gasket		4021-387
28.3	Clamping Bracket		2097-132
28.4	Module		2097-142
28.5	Control Cable, Thermocouple block to Module		2097-148
28.6	Control Cable, Valve to Module		2097-143
28.7	Ground Wire		4021-399

Additional service part numbers appear on following page.



IMPORTANT: THIS IS DATED INFORMATION. When requesting service or replacement parts for your appliance please provide model number and serial number. All parts listed in this manual may be ordered from an authorized dealer.

ITEM	DESCRIPTION	COMMENTS	PART NUMBER
29.1	Compression Nut		32553
29.2	Orifice N (#25 B)		4021-134
	Orifice P (#44 B)		32562
29.3	Jam Nut		32563
29.4	ON/OFF Gas Valve		15697
29.5	Flex Assembly		2098-022
29.6	Burner Supply Flex Line		4021-418
29.7	BSP Male Connector	Qty. 2 Req.	2098-315
29.8	Switch Assembly		2097-145
29.9	Screw		4021-394
29.10	Valve N		2098-132
	Valve P		2098-133
29.11	Thermocouple Block		2098-146
29.12	Valve Bracket		2097-138
29.13	Valve Cover Plate		2097-137
29.14	Pilot Bracket		2097-119
29.15	Pilot Assembly N		2098-052
	Pilot Assembly P		2098-053

Additional service part numbers appear on following page.

Log Set Assemblies

#30 Box 1



SRV720

#31 Box 2



SRV722



SRV740



SRV727



SRV742

#32 Box 3



SRV723



SRV728



SRV724

IMPORTANT: THIS IS DATED INFORMATION. When requesting service or replacement parts for your appliance please provide model number and serial number. All parts listed in this manual may be ordered from an authorized dealer.

ITEM	DESCRIPTION	COMMENTS	PART NUMBER
30	Log Set - Box 1 of 3		4036-711
30.1	Log		SRV720
31	Log Set - Box 2 of 3		4036-712
31.1	Log		SRV727
31.2	Log		SRV722
31.3	Log		SRV740
31.4	Log		SRV742
32	Log Set - Box 3 of 3		4036-713
32.1	Log		SRV723
32.2	Log		SRV724
32.3	Log		SRV728

For Service or Replacement Parts Contact:

Melbourne

Jetmaster
444 Swan Street
Richmond 3121
(03) 9429-5573

Perth

Fireplace Corner
277 Lord Street
East Perth 6000
(08) 9228-2600

Sydney

Jetmaster
10 Martin Avenue
Arncliffe 2205
(02) 9597-7222

➔ C. Warranty

Outdoor Lifestyles by Hearth & Home Technologies, Inc.™ Limited Warranty

Hearth & Home Technologies, Inc. ("HHT") extends the following warranty for all Outdoor Lifestyles by HHT™ brand products ("Products") that are purchased from an HHT authorized dealer.

WARRANTY COVERAGE:

HHT warrants to the original owner of the Product at the site of installation, and to any transferee taking ownership of the Product at the site of installation within one year following the date of original purchase, that the Product will be free from defects in materials and workmanship at the time of manufacture. After installation, if covered components manufactured by HHT are found to be defective in materials or workmanship during the applicable warranty period, HHT will, at its option, repair or replace the covered components. This warranty is subject to conditions, exclusions and limitations as described below.

WARRANTY PERIOD:

The warranty period runs for one year, beginning on the earlier of: (i) the date of invoice for the Product; (ii) in the case of new home construction, the date of first occupancy of the residence or six months after the date of sale of the Product by an HHT authorized dealer, whichever occurs first; or (iii) the date 24 months following the date of Product shipment from HHT, regardless of the invoice or occupancy date.

WARRANTY CONDITIONS:

- This warranty only covers Products that are purchased through an HHT authorized dealer or distributor. A list of HHT authorized dealers is available on the HHT branded websites.
- This warranty is only valid while the Product remains at the site of original installation.
- Contact your installing dealer for warranty service. If the installing dealer is unable to provide necessary parts, contact the nearest HHT authorized dealer or supplier. Additional service fees may apply if you are seeking warranty service from a dealer other than the dealer from whom you originally purchased the Product.
- Check with your dealer in advance for any costs to you when arranging a warranty call. Travel and shipping charges for parts are not covered by this warranty.

WARRANTY EXCLUSIONS:

This warranty does not cover the following:

- Changes in surface finishes as a result of normal use. As a heating appliance, some changes in color of interior and exterior surface finishes may occur; this is not a flaw and not covered under warranty.
- Damage to printed, plated, or enameled surfaces caused by fingerprints, accidents, misuse, scratches, melted items, or other external sources and residues left on surfaces from the use of abrasive cleaners or polishes.
- Repair or replacement of parts that are subject to normal wear and tear during the warranty period. These parts include: paint, firebricks, grates, flame guides and the discoloration of glass.
- Minor expansion, contraction, or movement of certain parts causing noise. These conditions are normal and complaints related to this noise are not covered by this warranty.

C. Warranty (*continued*)

- Damages resulting from: (1) failure to install, operate, or maintain the Product in accordance with the installation instructions, operating instructions, and listing agent identification label furnished with the Product; (2) failure to install the Product in accordance with local building codes; (3) shipping or improper handling; (4) improper operation, abuse, misuse, continued operation with damaged, corroded or failed components, accident, or incorrectly performed repairs; (5) inadequate ventilation, negative pressure or environmental conditions, including, without limitation: hail, snow, ice, fallen branches, flooding, water damage and fading of color; (6) use of fuels other than those specified in the operating instructions; (7) installation or use of components not supplied with the Product or any other components not expressly authorized and approved by HHT; (8) modification of the Product not expressly authorized and approved by HHT in writing; and/or (9) interruptions or fluctuations of electrical power supply to the Product.
- Non-HHT venting components, hearth components or other accessories used in conjunction with the Product.
- Any part of a pre-existing fireplace system in which an insert or a decorative gas appliance is installed.
- The Product's capability to heat the desired space. Information is provided to assist the consumer and the dealer in selecting the proper appliance for the application. Consideration must be given to the Product's location and configuration and environmental conditions.

This warranty is void if:

- The Product has been over-fired or operated in atmospheres contaminated by chlorine, fluorine, or other damaging chemicals. Over-firing can be identified by, but not limited to, warped plates or tubes, rust colored cast iron, bubbling, cracking and discoloration of steel or enamel finishes and cracking or spalling of refractory or cementitious materials.
- The Product is subjected to prolonged periods of dampness, condensation, ice or snow.
- There is any damage to the Product or other components due to water or weather damage which is the result of, but not limited to, improper chimney or venting installation.

LIMITATIONS OF LIABILITY:

Repair or replacement in accordance with the provisions of this warranty will be the owner's exclusive remedy for and will constitute HHT's sole obligation under this warranty, under any other warranty (express or implied), or in contract, tort or otherwise; provided, however, that if HHT is unable to provide repair or replacement in an expedient and cost effective manner, HHT may discharge all such obligations by refunding the purchase price of the Product. No employee, agent, dealer, or other person is authorized to give any warranty on behalf of HHT. TO THE EXTENT ALLOWED BY LAW, HHT MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. HHT WILL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES ARISING OUT OF DEFECTS IN OR USE OF THE PRODUCTS. Some states do not allow exclusions or limitation of incidental or consequential damages, so these limitations may not apply to you. This warranty gives you specific rights; you also may have other rights, which vary from state to state. The duration of any implied warranty is limited to the duration of the warranty period specified herein.

D. Contact Information



Please contact your Outdoor Lifestyles dealer with any questions or concerns.

➡ For the number of your nearest Outdoor Lifestyles dealer, please refer to page 31 of this manual or visit www.hearthnhome.com.

- NOTES -

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CAUTION



DO NOT DISCARD THIS MANUAL

- Important operating and maintenance instructions included.
- Read, understand and follow these instructions for safe installation and operation.
- Leave this manual with party responsible for use and operation.

