

Installation Manual



PORTRAIT

Direct Vent Insert
Gas Fireplace
natural gas 530VNI
propane gas 530VPI

Installer: Place model/serial number here.

Installer: Leave this manual with the appliance.
Consumer: Retain this manual for future reference.

⚠ WARNING:
FIRE OR EXPLOSION HAZARD

Failure to follow safety warnings exactly could result in serious injury, death, or property damage.

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.
- Leave the building immediately.
- 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.

⚠ DANGER



Hot glass will cause burns.

Do not touch glass until cooled.

Never allow children to touch glass.

A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and must be installed for the protection of children and other at-risk individuals.

This appliance may be installed in an after-market 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, unless a certified kit is used.

INSTALLER: Leave this manual with the appliance.

CONSUMER: Retain this manual for future reference.

Massachusetts:

The piping and final gas connection must be performed by a licensed plumber or gas fitter in the State of Massachusetts. Also, see Carbon Monoxide Detector requirements on page 41 in this manual.

⚠ WARNING

This product can expose you to chemicals including Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Note: Natural gas, in its original state, contains Benzene.

This manual contains instructions to install the **ENGINE ONLY**. A trim kit is **REQUIRED** to complete the installation. A barrier screen is provided with the trim kit. **Refer to the manual supplied with the trim for installation.**

This appliance is a domestic room-heating appliance. It must not be used for any other purposes such as drying clothes, etc.

This appliance is suitable for installation in a bedroom or bed sitting room.

Ce guide est disponible en français sur demande.



We recommend a US Certified National Fireplace Institute (NFI) specialist install our gas hearth products.



The information contained in this manual is believed to be correct at the time of printing. Miles Industries Ltd. reserves the right to change or modify any information or specifications without notice. Miles Industries Ltd. grants no warranty, implied or stated, for the installation or maintenance of your heater, and assumes no responsibility for any consequential damage(s).

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Designed and manufactured for Miles Industries Ltd.

Welcome to Valor®

This appliance has been professionally installed by:

Dealer Name: _____

Phone: _____

Please read this manual BEFORE installing and operating this appliance.

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Fireplace Safety

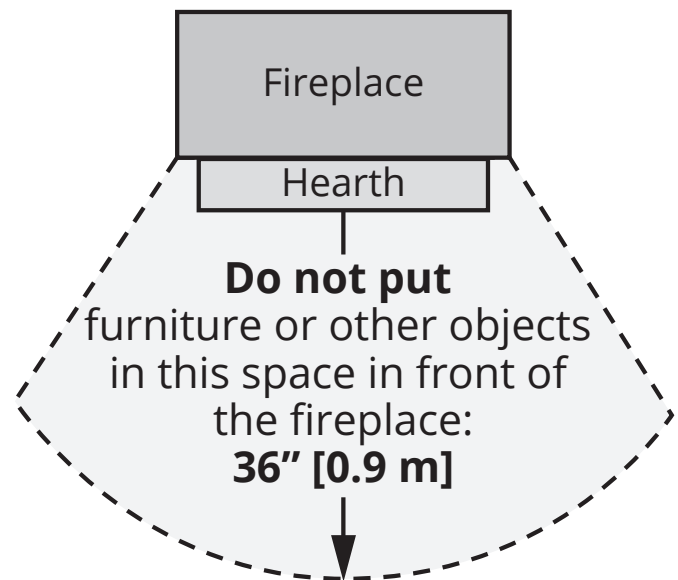
This manual contains very important information about the safe installation and operation of the fireplace. Read and understand all instructions carefully before installing and operating the fireplace. Failure to follow these instructions may result in possible fire hazard and will void the warranty.

Replacement manuals are available by contacting the Valor Customer Service at 1-800-468-2567, or by visiting valorfireplaces.com.

WARNING: Extremely Hot!

Heat and flammability

- Some parts of the fireplace are extremely hot, particularly the glass window. Use the barrier screen provided or a gate to reduce the risk of severe burns.
- The glass windows can exceed 500°F at full capacity.
- Always keep the appliance clear and free from combustible materials, gasoline, and other flammable vapors and liquids.
- Be aware of hot wall surfaces! The wall directly above the fireplace can get very hot when the fireplace heats. Although safe, it may reach temperatures in excess of 200°F (93°C) depending on choice of optional accessories. Do not touch!
- Be aware of hot shelf/hearth/floor surfaces! Any projections directly around the fireplace can get very hot when the fireplace heats. Although safe, they may reach temperatures in excess of 200°F (93°C) depending on their elevation. Be careful of touching these! Do not put objects on the hearth or shelf. Temperature of projection surfaces will be reduced when barrier screen is installed.
- Some materials or items, although safe, may discolor, shrink, warp, crack, peel, and so on because of the heat produced by the fireplace. Avoid placing candles, paintings, photos and other combustible objects sensitive to heat or furniture within 36 inches (0.9 m) around the fireplace.
- Solid wood flooring in front of the fireplace (if allowed) may shrink during the heating season due to heat.
- Due to high temperatures, the appliance should be located out of traffic areas and away from furniture and draperies.
- Clothing or other flammable material should not be placed on or near the appliance.



Barrier Screen and Safety

- A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and must be installed for the protection of children and other at-risk individuals.
- Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or clothing ignition.
- Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children, and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at-risk individuals in the house. To restrict access to a fireplace or stove, install an adjustable safety gate to keep toddlers, young children, and other at-risk individuals out of the room and away from hot surfaces.
- Any safety screen, guard, or barrier removed for servicing an appliance, must be replaced prior to operating the appliance.

Fireplace Safety

Glass window



WARNING

Do not operate this appliance with the glass front removed, cracked, or broken.

Do not strike or slam the glass front.

Replacement of the glass front should be performed by a licensed or qualified service person.

- The glass front assembly must be in place and sealed before the unit can be placed into safe operation.
- The glass front assembly must only be replaced as a complete unit, as supplied by the fireplace manufacturer. No substitute material may be used.
- Do not use abrasive cleaners on the glass front assembly. Do not attempt to clean the glass when it is hot.

Venting

- This unit must be used with a vent system as described in this manual. No other vent system or components may be used.
- Never obstruct the flow of combustion and ventilation air. Keep the front of the appliance clear of all obstacles and materials for servicing and proper operation.
- This gas fireplace and vent assembly must be vented directly to the outside and must never be attached to a chimney serving a separate solid fuel burning appliance. Each gas appliance must use a separate vent system. Common vent systems are prohibited.

Intended use

- This appliance is designed and approved as a supplemental heater and provides the potential for most energy conservation when used while attended. The use of an alternate primary heat source is advisable.
- This unit is not for use with solid fuel.
- Do not use this heater as a temporary source of heat during construction.

Installation and Servicing

- Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning might be required due to excessive lint from carpeting, bedding material, et cetera. It is imperative that control compartments, burners, and circulating air passageways of the appliance be kept clean.
- 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 that has been under water.

Specifications

Approval & Codes

This appliance is certified to ANSI Z21.88/CSA 2.33 American National Standard / CSA Standard for Vented Gas Fireplace Heaters for use in Canada and USA, and to CGA 2.17-91 High Altitude Standard in Canada. This appliance is for direct vent installations.

This appliance complies with CSA P.4.1-15 Testing method for measuring annual fireplace efficiencies.

The installation must conform to local codes or, in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54 or the Natural Gas and Propane Installation Code CAN/CGA-B149.1. Only qualified licensed or trained personnel should install this appliance.

This appliance must be electrically grounded in accordance with local codes, or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70 or the Canadian Electrical Code, CSA C22.1.

Ratings

Model	530VNI	530VPI
Gas	Natural	Propane
Altitude (Ft.)*	0-4,500 feet*	
Input Maximum (Btu/h)	20,500	19,500
Input Minimum (Btu/h)	12,000	11,000
Manifold Pressure (in w.c.)	3.5"	9.5"
Minimum Supply Pressure (in w.c.)	5.0"	11.0"
Maximum Supply Pressure (in w.c.)	10"	14"
Main Burner Injector Marking	DMS #44	DMS #55
Pilot Injector Marking	BL22N	BL14LP
Min. Rate Bypass Screw	175	105

* Tested to CGA - 2.17-91 Gas fired appliances for use at high altitudes. In USA, installations may require deration over 2000'—Check local codes.

*High Altitude Installations

Input ratings are shown in BTU per hour and are certified without deration for elevations up to 4,500 feet (1,370 m) above sea level.

For elevations above 4,500 feet (1,370 m) in USA, installations must be in accordance with the current ANSI Z223.1 and/or local codes having jurisdiction. Heating value of gas in some areas is reduced to compensate for elevation—consult your local gas utility to confirm.

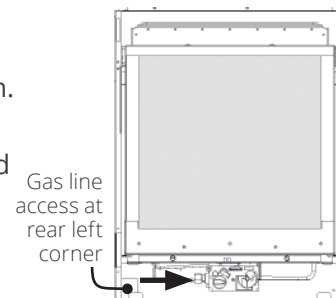
For installations at elevations above 4,500 feet (1,370 m) in Canada, please consult provincial and/or local authorities having jurisdiction.

Supply Gas

Heater engine 530VNI uses natural gas.
Heater engine 530VPI uses propane gas.

The supply pressure must be between the limits shown in the *Ratings* section.

The supply connection is 3/8" NPT female and located on the left side of the control valve. The opening for the gas supply line is at the rear left corner of the appliance.



Gas Conversion Kits

The 530VNI/VPI is supplied as natural gas or propane gas and is field convertible between fuels. See instructions packaged with the conversion kits for further information.

Electrical

The 530 does not require an electrical power source unless fitted with an optional circulating fan. However, if the appliance is fitted with a fan, a grounded power source is required.

Floor/Hearth

This appliance is approved for installation into existing solid-fuel burning fireplaces only. Combustible material such as plywood and so on may be used for leveling and shimming beneath the unit. This appliance does not require a hearth other than to support the weight of certain fronts.

Front Trims

Various fronts are available for the 530 insert engine. This engine must be installed as an insert application. The front trim style affects the depth of insert cavity and position of the engine. A front trim kit is required for all applications and should be on site when the engine is installed. 536/541/563 fronts require a closure plate (582/583CPB) to ensure proper position of the casting front.

Outdoor Conversion Kit

The 530 models are supplied standard for indoor applications and may be adapted for installation in specific "outdoor" applications protected from weather as defined in the GV60CKO outdoor conversion kit manual.

Kits & Accessories

Required Kits

Fuel Beds (choose one)		
530VLSK	Traditional Logs	
530VBLK	Birch Logs	
530VCSK	Coals	
530VDWK	Driftwood Logs	
Liner Panels (choose one)		
526RL	Reversible Liner Panels	
580RGLV2	Reflective Glass Liners	
Fronts (choose one)		Barrier Screen
536CXBI	President Insert Front (closure plate 582 or 583 required)	4006382
539/549	Windsor Arches (as insert only)	4003290
545CFV	Clearview Insert Front (closure plate 583CPB optional)	4005146
546LF	Ledgeview Insert Fronts	4005099
563CSB	Senator Front (as insert only) (closure plate 582 or 583 required)	4003291
Closure Plates for 536 and 563 (choose one)		
582CPB	Closure Plate, black, 26" w x 31" h	
583CPB	Closure Plate, black, 30" w x 33" h	
Venting Components		
See Approved Venting Components list next pages		

Optional Accessories

Gas Conversion Kits	
530VNGK	Conversion to natural gas
530VPGK	Conversion to propane gas
Other Accessories	
GV60CKO*	Outdoor Fireplace Conversion Kit
583CPB	Closure Plate, black, 30"w x 33"h (optional for 545CFV)
567FGP	Top Grille
555CFK*	Circulating Fan Kit
1265WSK	Wall Switch Kit
RBWSK	Remote Battery & Wall Switch Kit
GV60PAK	AC Adapter
Hearth Gate	Hearth gates such as Cardinal's VersaGates are available at retail stores carrying safety products for children.



WARNING

*** NO ELECTRICAL CONNECTION ALLOWED for any outdoor installation!**

Information accurate at the time of printing and subject to change without notice.

Approved Venting Components

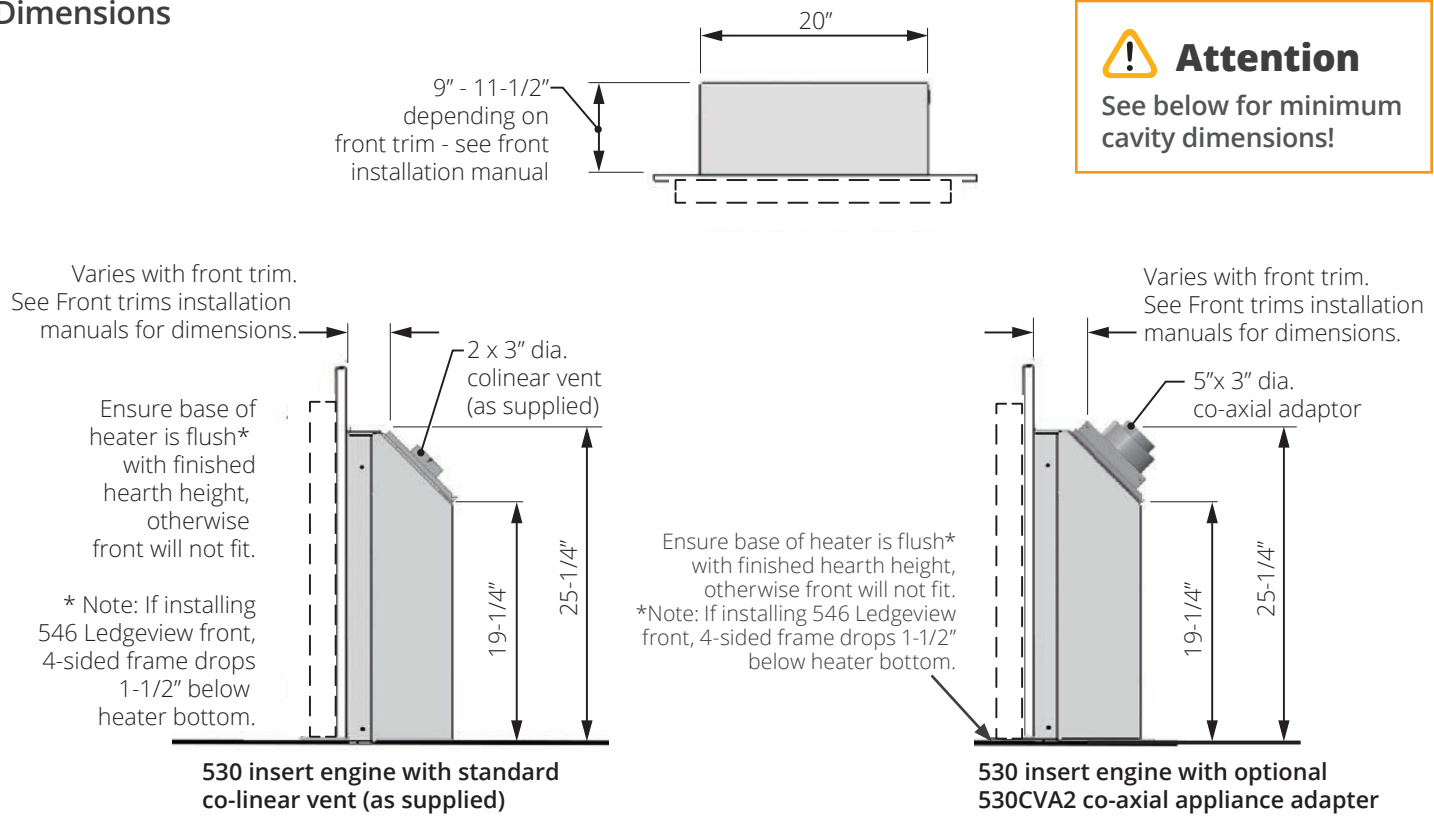
Approved Direct Vent Suppliers for Valor Models 530VNI/VPI insert engine ONLY							
  Venting Parts Description			Venting Parts Code / availability by Manufacturer				
			DURA-VENT	SELKIRK	ICC EXCEL DIRECT	MILES INDUSTRIES	BDM
Termination Caps	Vertical	Standard Co-axial	46DVA-VC	4DT-VT	—	—	DVR6-VCH DVR6-VCSB
		High Wind Co-axial	46DVA-VCH	—	TM-4SVT	—	—
		Extended Co-axial	46DVA-VCE	—	—	—	—
	Vertical	Co-linear	—	—	TM-IVT	—	940033B 940034B 940033HWS 940033RD
						559CLT	
						—	
						—	
	Horizontal	—	—	—	—	720SWK	—
Vent Adapters / Couplers	Universal Adapter 3” Flex Coupler		2150	—	TM-CFAA3	—	95090390
	Co-linear Flex Connector		46DVA-ADF	—	—	—	—
	Co-linear-to-Co-axial Adapter		46DVA-GK 46DVA-CLTA	—	TM-4CTA	530CVA2 Use w/590FVK2	—
	Co-axial Adapter 5 x 3 to 6-5/8 x 4		—	—	—	590FVK2 (incl. flashing)	—
Aluminum Flexible Liner	3” or 4” diameter		NOTE: 2-ply liner approved to CAN/ULC S635 suitable for venting gas appliances. As manufactured by Z-Flex, Flexmaster and others.				
	Co-Linear	2280 Series	AF3-35L	TM-ALK33	—	952703	
				TM-ALT33		952704	
Co-Axial 5” x 3”		—	—	—	590FVK2	—	
Flashings	Roof Flashing 0/12-6/12		46DVA-F6	4DT-AF6	TF-4FA	—	DVR6-AF012
	Roof Flashing 7/12-12/12		46DVA-F12	4DT-AF12	TF-4FB	—	DVR6-AF712
	Flat Roof Flashing		46DVA-FF	—	TF-4F	—	DVR6-TCF
	Masonry Flashing		—	—	TF-4MF	559FSK	

Notes: 1. Follow instructions supplied with each manufacturer's components.

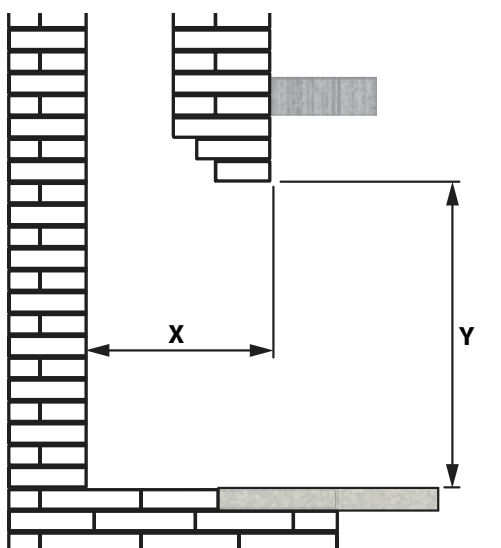
2. Do not mix different from different vent manufacturers, except those from Miles Industries which are approved to use with other manufacturers' components.

Dimensions & Cavity

Dimensions



Cavity



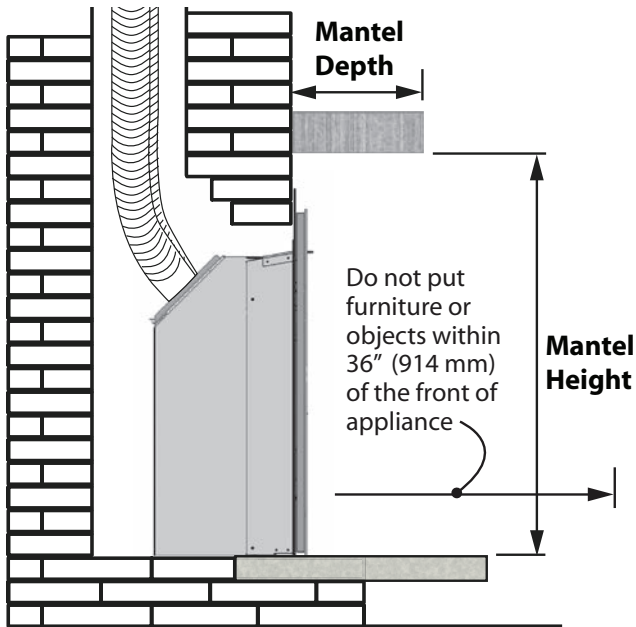
Check that masonry step does not interfere with install dimensions or vent pipe.

If mantel is combustible, see the following section for allowable clearances.

Minimum Cavity Dimensions	
Depth (X)	9-11-1/2" [229-292 mm]—varies with front trim options
Height (Y)	25-1/2" [648 mm]—Note: using 546 Ledgeview front requires additional 1-1/2" [38 mm]
Width (not shown)	20-1/2" [521 mm]

Clearances

Combustible Mantel—Left Side View



Combustible Mantel Clearances

See Front trim installation manual.

Finishing Materials

Combustible materials: Materials made of or surfaced with wood, compressed paper, plant fibers, plastics, or other material that can ignite and burn, whether flame proofed or not, or plastered or unplastered.

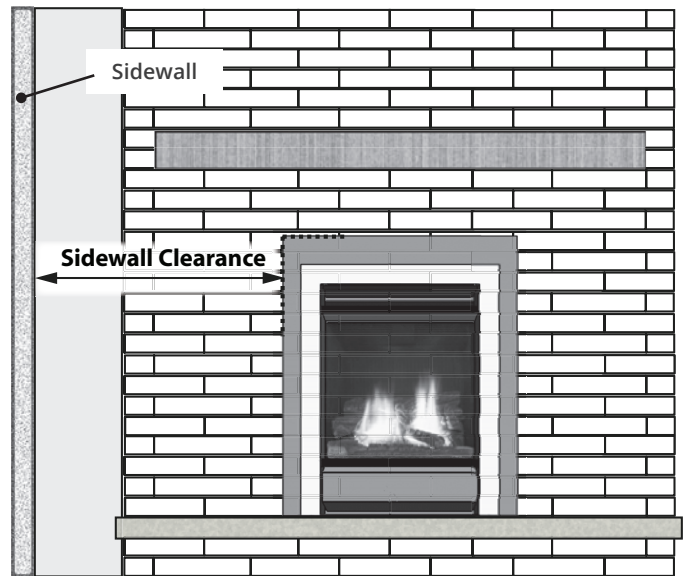
Non-combustible materials: Material which will not ignite and burn. Such materials are those consisting entirely of steel, iron, brick, tile, concrete, slate, glass or plasters, or any combination thereof.

Materials that are reported as passing ASTM E 136, Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 °C

WARNING

HOT GLASS! The use of a screen in front of the glass is highly recommended particularly in households with children.

Sidewall Clearances



See Front trim installation manual for Sidewall Clearances.



WARNING

Some materials or items, although safe, may discolor, shrink, warp, crack, peel, and so on because of the heat produced by the fireplace. Avoid placing candles, paintings, photos, and other items sensitive to heat around the fireplace.



WARNING

HOT HEARTH / FLOOR! The hearth or floor in front of the fireplace may become very hot when the fireplace heats. Do not use the hearth as a seat or shelf. Solid wood flooring in front of the fireplace (if allowed) may shrink during the heating season due to heat.

Clearances

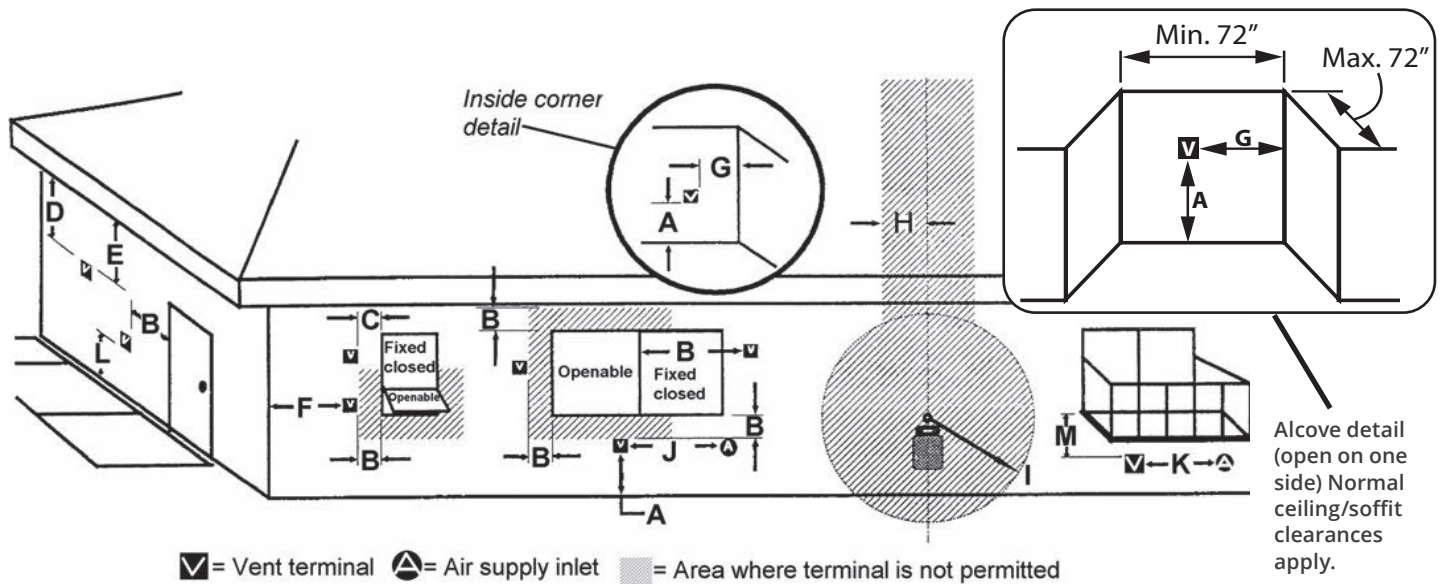
720SWK Sidewall Vent Terminal

Horizontal Vent Termination Location

- The vent terminal must be located on an outside wall or through the roof.
- This direct vent appliance is designed to operate when an undisturbed airflow hits the outside vent terminal from any direction.
- The minimum clearances from this terminal that must be maintained when located on an outside wall are shown in figure below. Any reduction in these clearances could result in a disruption of the

airflow or a safety hazard. Local codes or regulations may require greater clearances.

- The vent terminal must not be recessed into a wall or siding.
- The vent terminal should be positioned where any snowdrifts will not cover it.
- Sidewall vent terminations require a terminal guard such as 658TG or 845TG when accessible—within 7' of ground.



KEY	VENT TERMINAL LOCATIONS - MINIMUM DISTANCES	MINIMUM CLEARANCE	
		Inches	Cm
A	Clearance above grade, verandah, porch, deck or balcony	12	30
B	Clearance to window or door that may be opened	12	30
C	Clearance to permanently closed window (recommended to prevent condensation on window)	12	30
D	Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (60 cm) from the center-line of the terminal	18	46
E	Clearance to unventilated soffit	12	30
F	Clearance to outside corner (measured from the center of vent)	12	30
G	Clearance to inside corner (measured from the center of vent)	12	30
H	Horizontal clearance to center-line of meter/regulator assembly located within 15 feet (4.6 m) below the terminal	36	90
I	Clearance to service regulator vent outlet	36	90
J	Clearance to non-mechanical air supply inlet to the building or the combustion air inlet to any other appliance	12	30
K	Clearance to a mechanical air supply inlet	72	180
L	Clearance above paved sidewalk or a paved driveway located on public property Note: A vent must not terminate directly above a sidewalk or paved driveway, which is located between two single-family dwellings and serves both dwellings. THIS DOES NOT APPLY to direct vent, non-condensing appliances in the Province of Ontario.	84	210
M	Clearance under a verandah, porch, deck or balcony Only permitted if veranda, porch, deck or balcony is fully open on a minimum of 2 sides beneath the floor	12	30

Note: Local codes and regulations may require different clearances.

Installation Planning

Overview

This appliance may **ONLY** be installed in an existing unaltered, functioning solid-fuel burning fireplace with a working flue and constructed of non-combustible material.

This appliance may be installed in outdoor, weather protected environments as defined in the GV60CKO Outdoor Conversion Kit instruction manual.

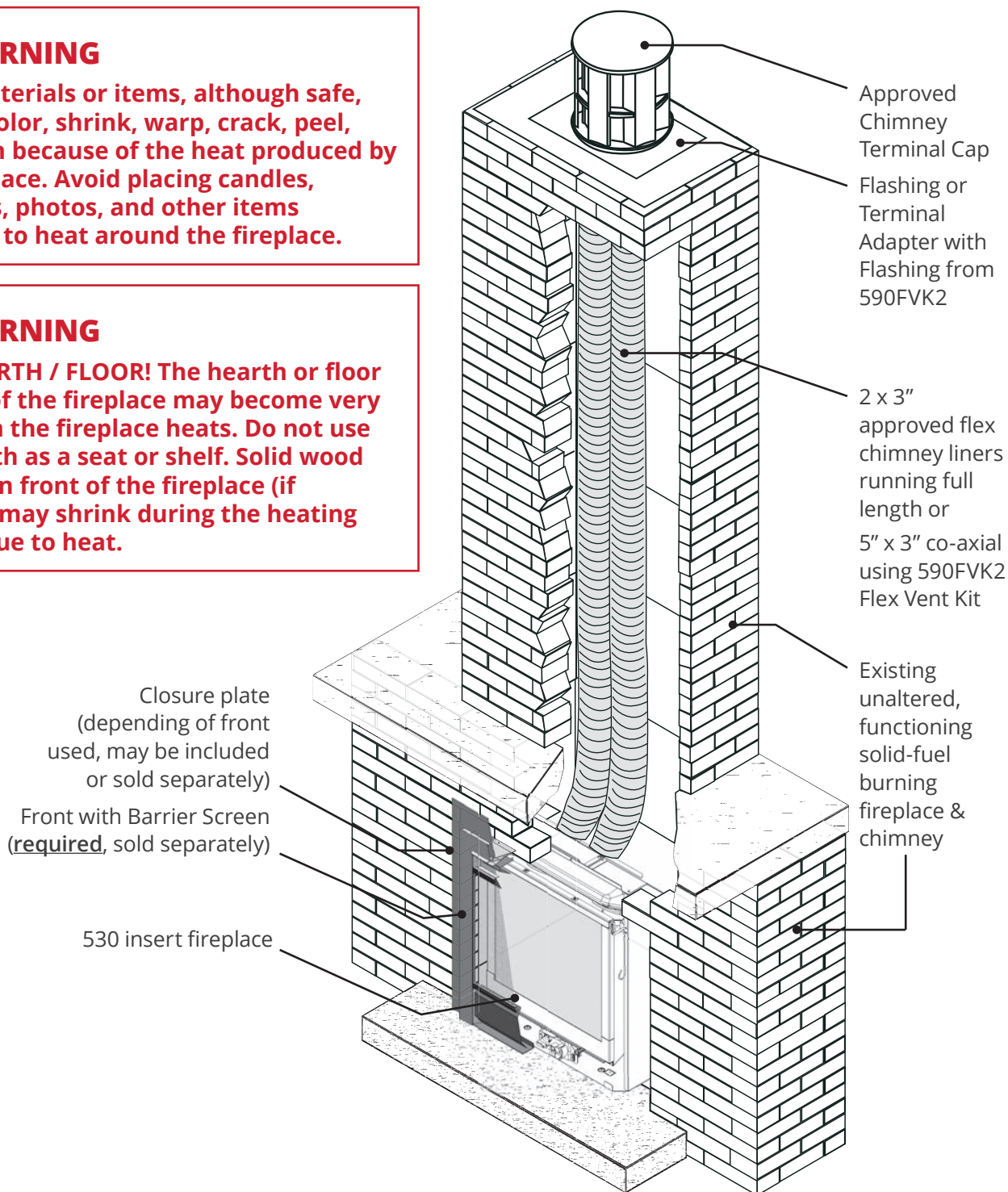
DO NOT install into combustible construction. This appliance is **NOT APPROVED** for installation with a zero clearance kit.

WARNING

Some materials or items, although safe, may discolor, shrink, warp, crack, peel, and so on because of the heat produced by the fireplace. Avoid placing candles, paintings, photos, and other items sensitive to heat around the fireplace.

WARNING

HOT HEARTH / FLOOR! The hearth or floor in front of the fireplace may become very hot when the fireplace heats. Do not use the hearth as a seat or shelf. Solid wood flooring in front of the fireplace (if allowed) may shrink during the heating season due to heat.



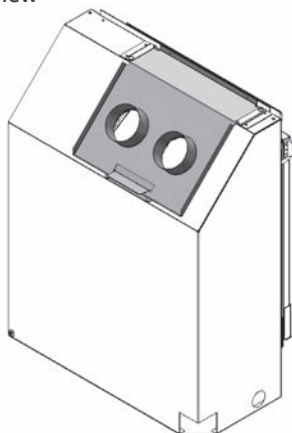
Installation Planning

Overview

Co-Linear—as supplied

Venting options

Rear view



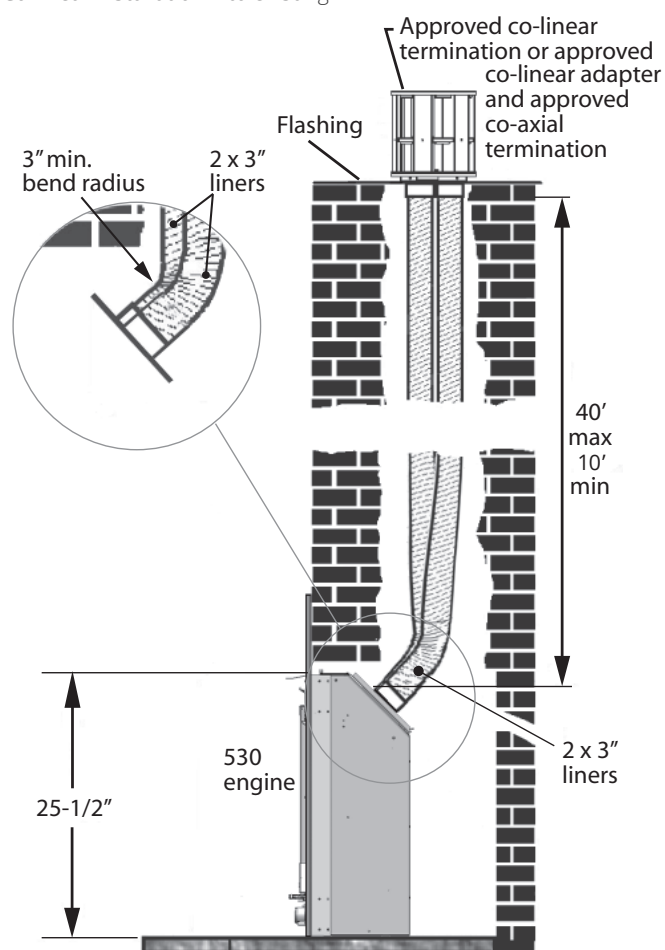
Co-linear appliance, as supplied
(2 x 3" diameter liners)

NOTE

536/563 fronts require a closure plate (582/583CPB) to ensure proper positioning of casting. Other fronts are supplied with a backing plate included.

530VNI/VPI as supplied

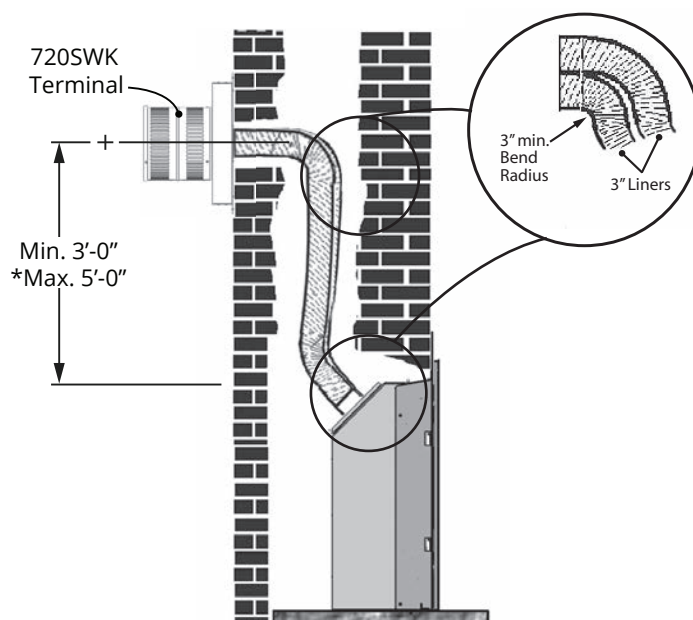
Co-linear installation into existing F/P



530VNI/VPI with 720SWK—Sidewall Kit

Sidewall co-linear installation into existing F/P using 720SWK (see installation instructions supplied with 720SWK)

Terminal Clearances: see *720SWK Sidewall Vent Terminal* on page 11



*Beyond 5'-0", the sidewall terminal may be used but will require restrictors. See 530 section further in this manual.

* May be extended beyond 5'-0". Refer to the 720SWK installation instructions

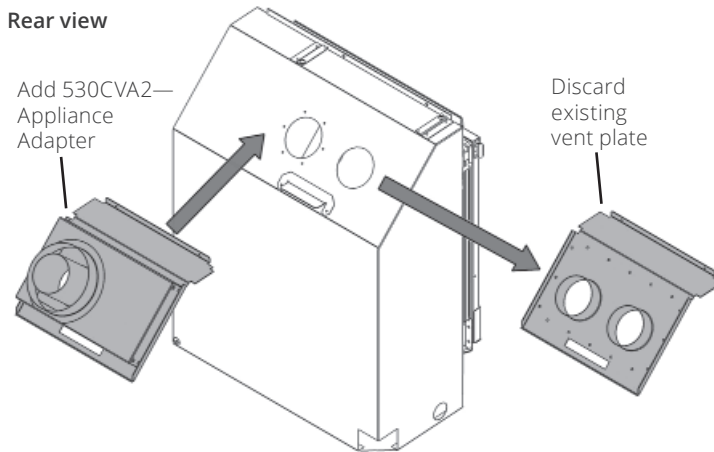
Installation Planning

Overview

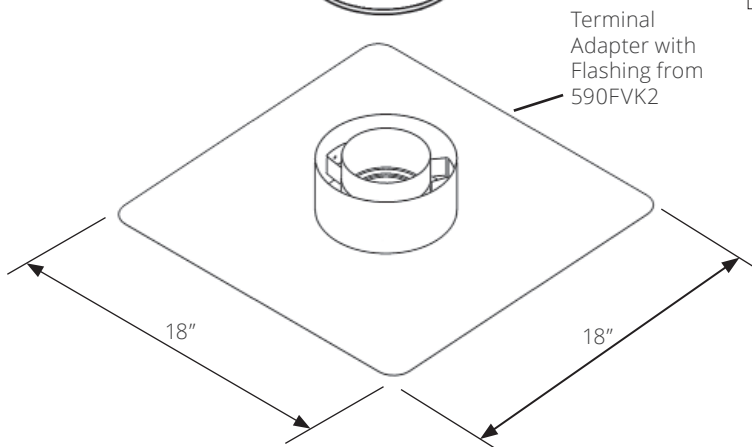
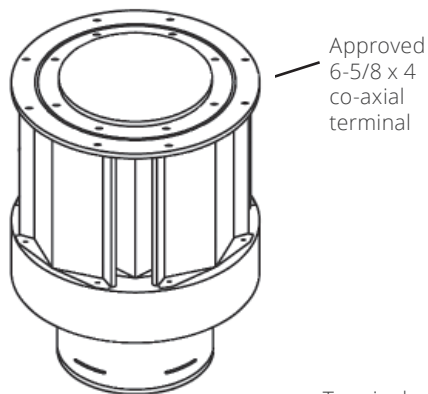
Co-Axial Conversion

Venting options

Rear view

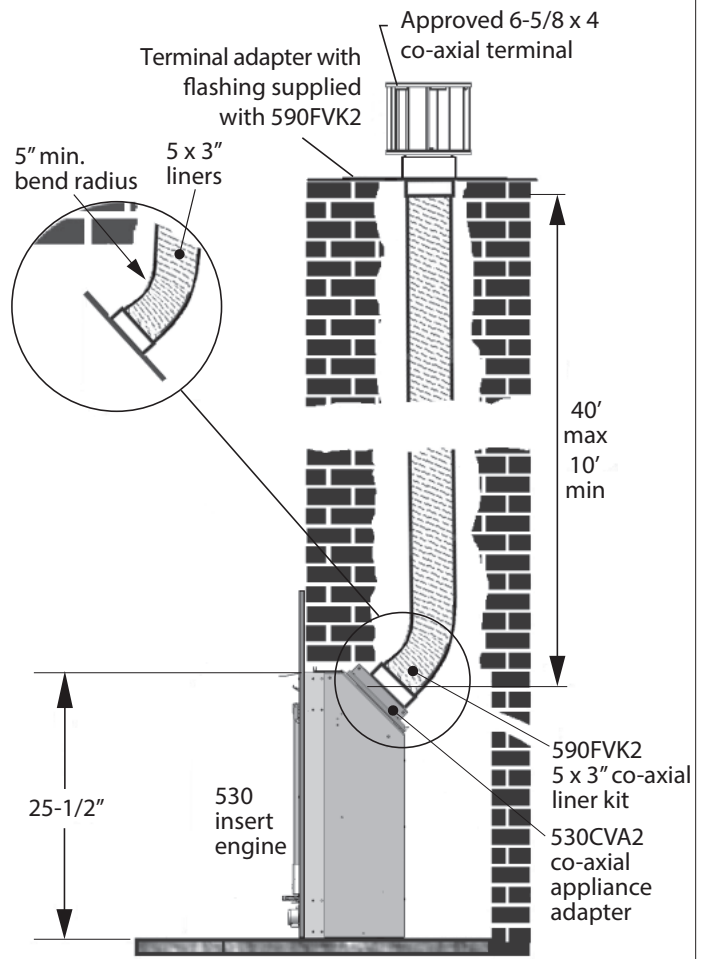


Add optional 530CVA2 for co-axial venting (5" x 3" diameter liners)



530VNI/VPI with 530CVA2—Co-axial Appliance Adapter

Co-axial installation into existing F/P



Venting

Overview

Typical Vent Installation

See the *Approved Venting Components* list on page 8 of this manual.

Vent Location

The vent terminal must be located through the roof. This direct vent appliance is designed to operate when an undisturbed airflow hits the outside vent terminal from any direction.

Check local codes for allowable vertical vent termination.

Venting Table

Maximum vertical height	40 ft (measured to bottom of termination)
Minimum vertical height	10 ft (measured to bottom of termination)
Maximum horizontal run	4 ft (measured center to center of pipe)
Maximum offset angle	45° (sweeping bend to allow for obstructions)

Venting Notes

Where possible, avoid splicing flex pipes. If splices are required, use a approved connector and seal joints with *RTV high temp sealant*.

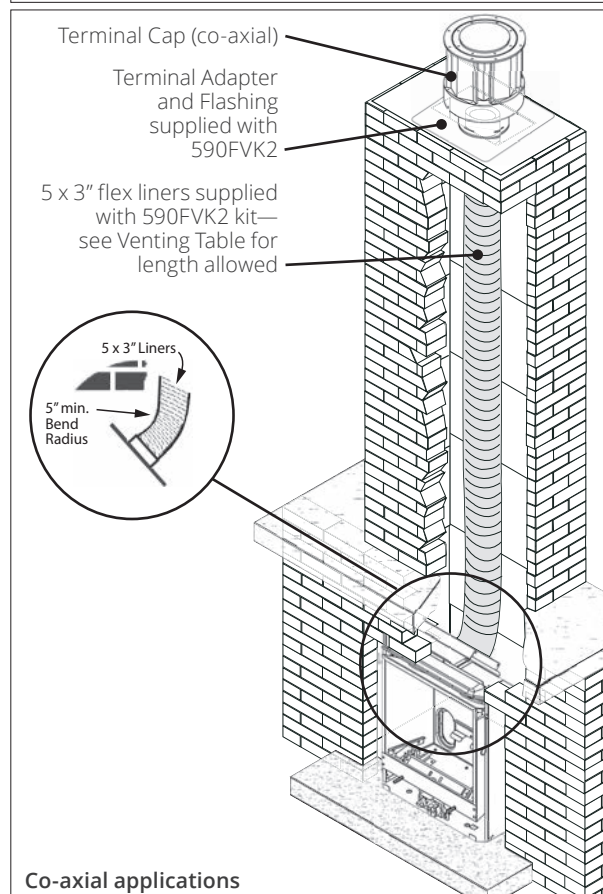
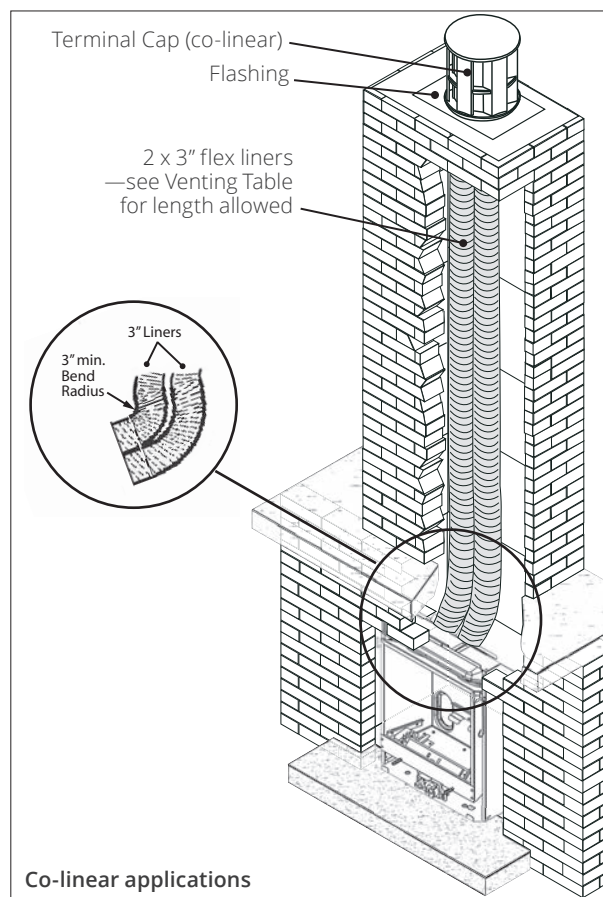
Four feet horizontal is permissible to allow for routing around masonry projections. Do not bend flex pipe over a 45 degrees radius.

1. Co-linear venting may be converted to solid 4" x 6-5/8" co-axial venting at the top of the existing solid-fuel burning chimney as necessary where the existing chimney has deteriorated and been removed. The conversion must be done using approved components (see page 8) and proper vent clearances to combustibles must be maintained.
2. Flex liners may only be installed into solid-fuel burning fireplaces and chimney systems (no combustible construction).
3. The appliance must not be connected to a chimney flue serving a separate solid-fuel burning appliance.

Note

This appliance may also be vented using the following optional methods (see installation instructions packaged with optional kits):

- 720SWK—Co-linear sidewall kit



Attaching Air Restrictors

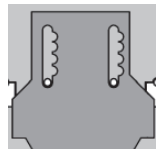
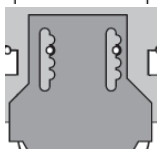
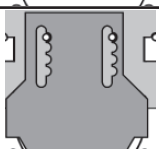
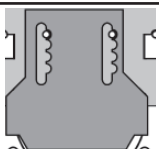
Appliances with more than 10'-0" Vertical Vent Rise Only

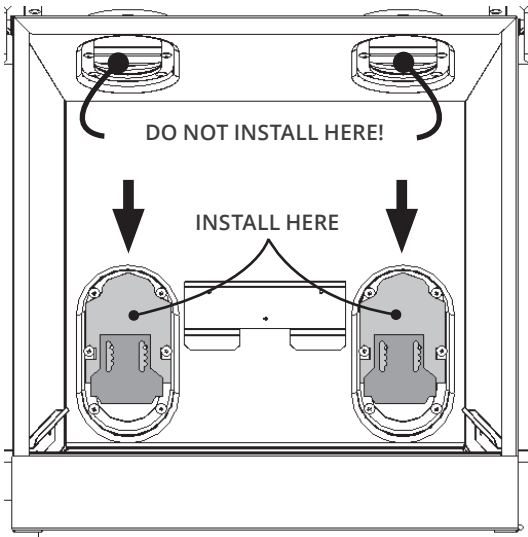
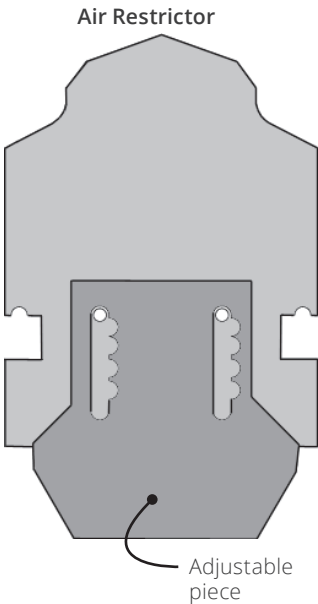
No restrictors are required for appliances which that have less than 10'-0" vertical run. If installing an appliance which has less than 10'-0" vertical vent pipe rise, ignore this stage.

Two restrictor sets, like the one shown right, are supplied with each 530 engine unit. The restrictors cover part of the **inlet air openings** in the firebox rear wall on each side of the brick support. **Do NOT install the restrictors in the roof of the firebox!**

Each set is assembled with an adjustable piece which can be moved to different positions depending of the vent configuration. See the table below to find out which position is optimal for each type of installation.

- To fit the restrictors, loosen the two center screws of the left and right inlet ports. Place the restrictor assembly under the screw heads and tighten the center screws.
- To set the adjustable restrictor piece, loosen the two screws, position the adjustable piece according to the diagram below and tighten the screws.

Vent Size	Vertical	Restrictor Setting	
3x5" co-axial flex	Less than 14 feet	#1	
	14 to 20 feet	#4	
	More than 20 feet	#5	
3x3" co-linear	Less than 5 feet	None	
	More than 10 feet	#5	



Install restrictors in the **inlet air openings** in the **firebox rear wall** behind the rear log support.

Preparation

Existing Fireplace Preparation

A few points must be considered before inserting the 530 into an existing fireplace cavity. Generally, no modifications are allowed to the existing fireplace that will compromise the integrity of the existing fireplace.

Components that are bolted or screwed on such as dampers or baffles may be removed to accommodate the installation of the 530 engine. Refractory bricks and log grates may also be removed.

Cutting away any sheet metal parts of the existing fireplace to accommodate the installation of the 530 is prohibited.

Check with local authorities if in doubt.

Clean Fireplace and Chimney

Have the chimney swept and the fireplace cavity including ash dumps and clean-outs cleaned before installing the 530 heater and vent liners. Any creosote or soot residue remaining in the fireplace cavity chimney or clean-out may cause odors or stains once the 530 insert is installed. Consult with chimney sweep for information on how best to clean.

Existing Dampers

Factory-built, zero-clearance fireplaces will require the damper to be removed in order to install the vent liners. These dampers are usually bolted into place. Dampers in masonry fireplaces must be fixed open and may remain in place.

Ash Retaining Curbs

Some fireplaces (particularly factory-built) have a raised curb at the front edge to retain ashes. Check the dimensions carefully to ensure the 530 engine will fit behind any raised curb (some curbs may be removed separately from the refractory base).

Existing Fireplace Preparation

Gas Line Routing

Plan the routing of the gas line before proceeding. Utilize the existing hole for the gas line of the factory-built fireplace.

If the fireplace has no access hole, carefully drill an access hole of 1.5 inch (38 mm) or less through the lower sides or bottom of the firebox. The access hole must be plugged with non-combustible insulation after the gas supply line has been installed.

See Dimensions section for detailed location of gas inlet. Also, take into consideration whether or not a fan or shut-off valve will interfere when planning routing of the gas line.

Existing Glass Doors and Wire Screens

Existing glass doors must be permanently removed prior to installing the 530 insert.

Combustible Mantels

Combustible mantel clearances must conform to those required for the original solid-fuel fireplace into which the 530 is being installed.

Attach Warning Conversion Plate to Existing Fireplace

(plate supplied loose with 530 heater)

Attach the "This fireplace has been converted..." label to the existing fireplace using screws or other mechanical means and store any removed parts in back of the existing fireplace for future use.

Preparation

Before Installation



Caution

Only qualified, licensed, or trained personnel should install this appliance.

Installer - READ THIS FIRST!

1. YOU NEED TO KNOW FROM THE HOMEOWNER:
 - What front will be installed;
 - What is the required cavity size/hearth finish;
 - What is the vent configuration;
 - Is there any optional accessories to be installed
2. Unpack the appliance, removing all items packed inside and around it. Recycle the packaging.
3. Check that you have everything, using the Pack Content sheet. Also, check that you have:
 - Front trim
 - Fuel bed and liner panels (packed separately)
 - Gas conversion kit (if necessary)
 - Venting accessories
 - Optional accessories (if ordered)
 - Electrical accessories (if used)
4. Carefully read the Installer's Checklist included with the fireplace for the installation sequence.



WARNING

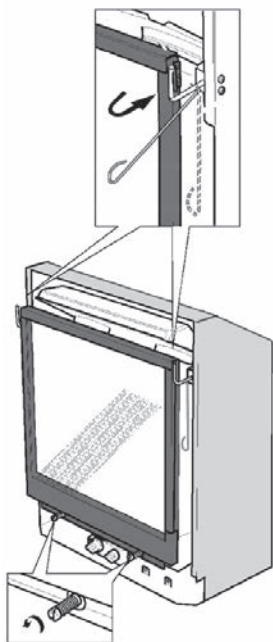
**NO ELECTRICAL CONNECTION ALLOWED
for any outdoor installation!**

Preparation

Window and Burner

Remove Window

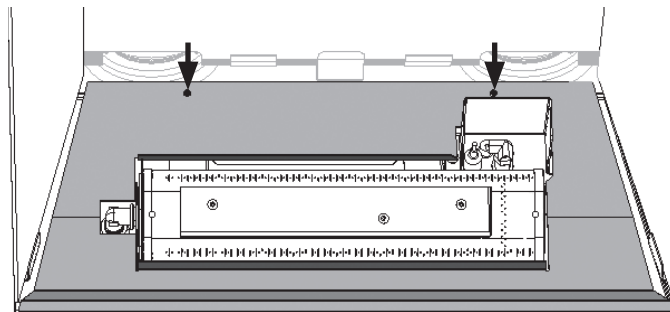
1. Release the top of the window by pulling forward the two levers at the top corners.
2. Unscrew the two spring-loaded bolts securing the bottom of the window.
3. Carefully lift the window. Keep the window and bolts in a safe place.



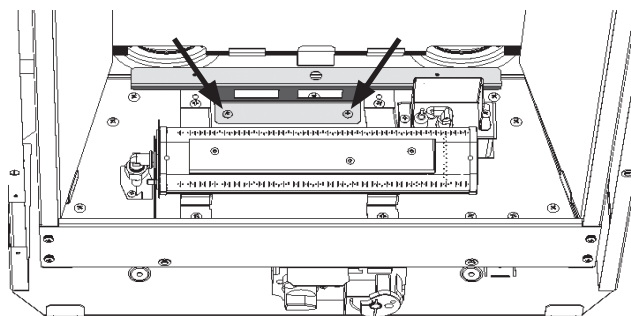
Remove Burner Module

It may be desirable to remove the burner module to gain access for gas fitting, to install a fan kit or to fasten the appliance to the floor or plinth supplied with the zero clearance fronts.

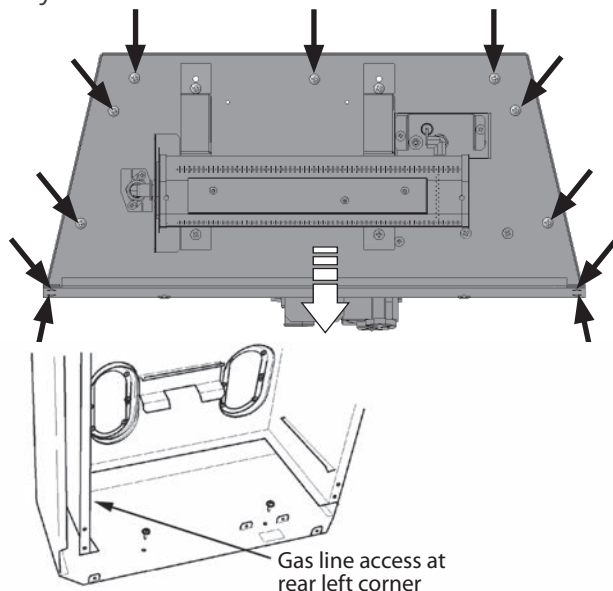
1. Remove the burner cover (2 screws).



2. Remove the platform support bracket (2 screws).



3. Detach the burner module (11 screws) and pull it straight out of the firebox, as it is necessary to access the by-pass screw on the valve.
If the appliance has been burned previously, it may be necessary to pry the burner module gaskets as they tend to adhere when removed the first time.



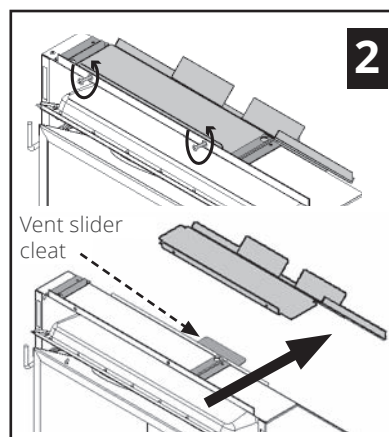
Installation

Venting

Co-Linear Applications (2 - 3" liners)—Connect Venting

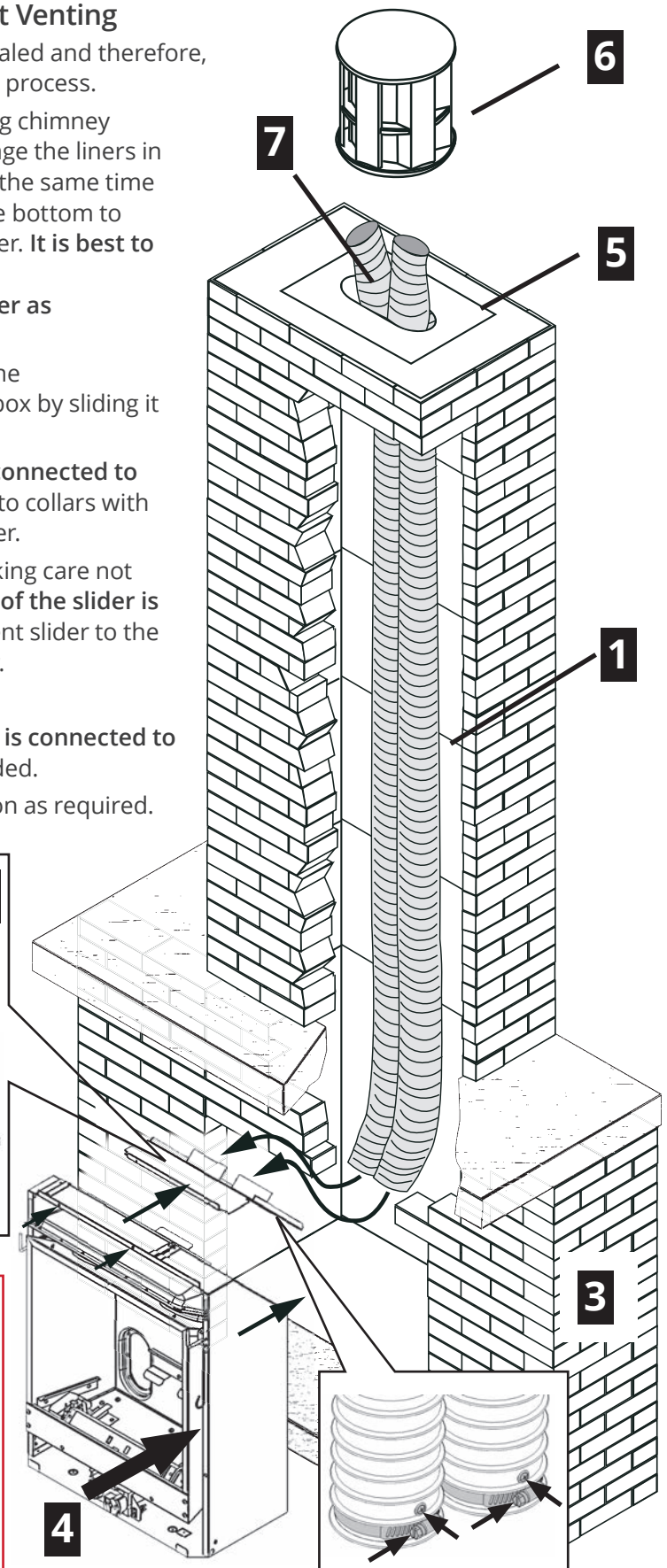
IMPORTANT: This appliance's venting system is room sealed and therefore, does not require room air to be used in the combustion process.

1. Rough-in two 3" diameter vent liners into the existing chimney system from the roof. Be careful not to tear or damage the liners in the process. It may be easier to install both liners at the same time rather than one at a time. Leave plenty of liner at the bottom to facilitate the connection of the liners to the vent slider. **It is best to leave the top termination until later.** Designate and mark the top and bottom of one liner as "EXHAUST" to avoid confusion later.
2. Release the two screws retaining the vent slider to the front of the firebox. Remove the slider from the firebox by sliding it towards the back of the firebox.
3. Fit the two liners ensuring that the *exhaust* liner is connected to the identified "EXHAUST" vent collar. Secure liners to collars with hose clamps (included) and 2 tapping screws per liner.
4. Slide the firebox onto the vent slider in the cavity taking care not to damage the liners. **Make sure that the rear edge of the slider is hooked over the cleat on the firebox.** Secure the vent slider to the front of the firebox with two screws removed earlier.
5. From the roof, pull the liners and fit the flashing.
6. Fit the terminal cap ensuring that the exhaust liner is connected to the exhaust vent collar. Secure with 8 screws provided.
7. Seal the terminal and flashing from water penetration as required.



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.



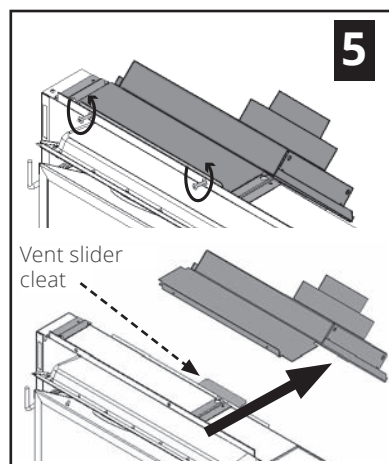
Installation

Venting

Co-Axial Applications (3" x 5" liners using 590FVK2 and 530CVA2)—Connect Venting

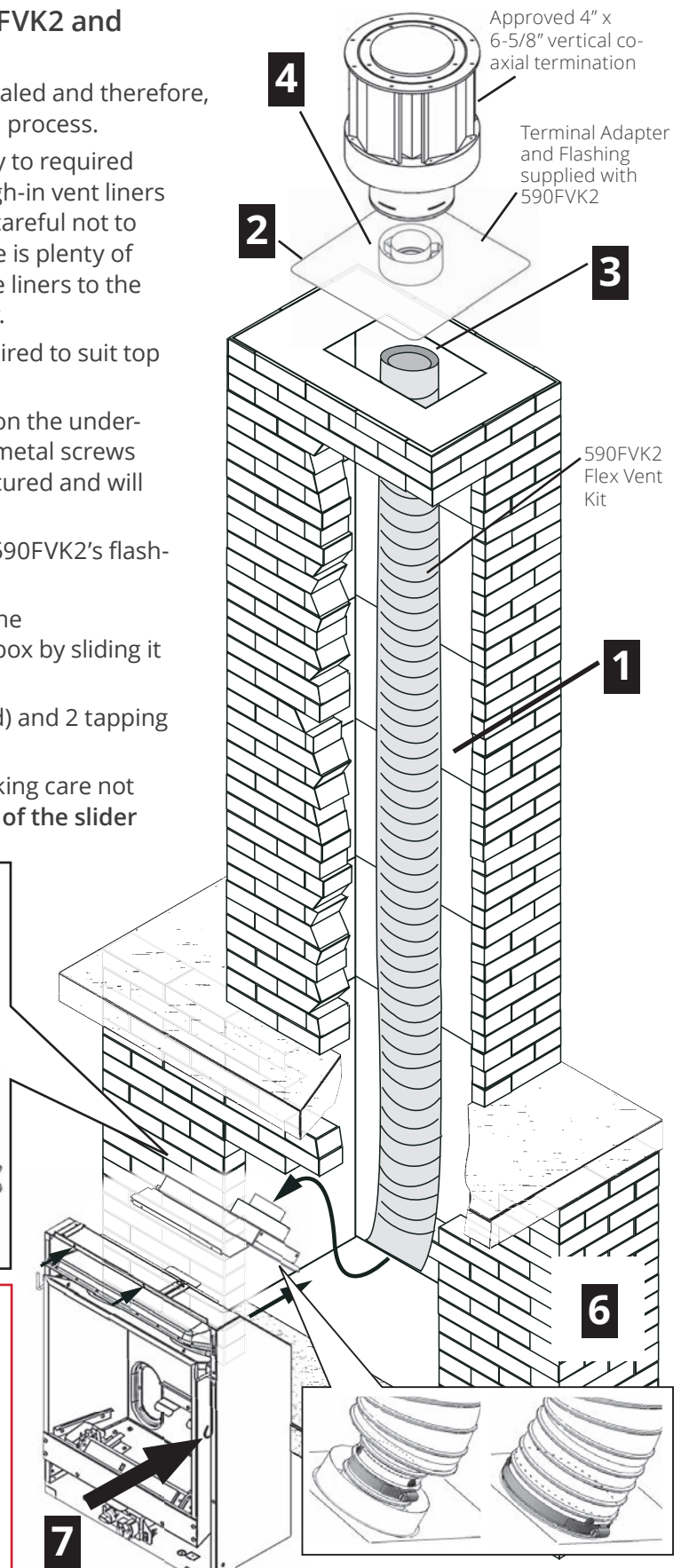
IMPORTANT: This appliance's venting system is room sealed and therefore, does not require room air to be used in the combustion process.

1. Stretch 3" and 5" liners from kit 590FVK2 individually to required length. Insert the 3" liner inside the 5" liner and rough-in vent liners into the existing chimney system from the roof. Be careful not to tear or damage the liners in the process. Verify there is plenty of liner at the bottom to facilitate the connection of the liners to the vent slider so you will not need to stretch more later.
2. Trim 590FVK2's Terminal Adapter & Flashing as required to suit top of chimney and fold a drip edge if desired.
3. Trim ends of liner if necessary and fasten to collars on the underside of the 590FVK2's terminal adapter using sheet metal screws and gear clamps provided. Ensure liners are well secured and will not fall down the chimney.
4. Apply a bead of sealant to top of chimney and seat 590FVK2's flashing onto sealant.
5. Release the two screws retaining the vent slider to the front of the firebox. Remove the slider from the firebox by sliding it towards the back of the firebox.
6. Fit the two liners. Secure with hose clamps (included) and 2 tapping screws per liner (inner liner first, then outer).
7. Slide the firebox onto the vent slider in the cavity taking care not to damage the liners. **Make sure that the rear edge of the slider is hooked over the cleat on the firebox.**



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.



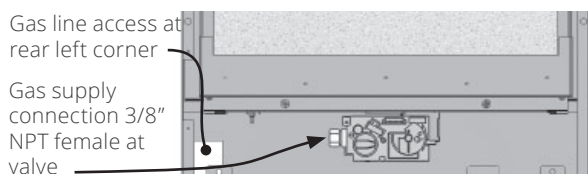
Installation

Gas Supply

Connect Gas Supply

It is preferable to rough-in the gas line at this point before proceeding with the firebox installation.

The appliance is supplied for supply gas connection at the control valve. Supply line connection to the control valve as the appliance is 3/8" NPT female. Take care not to apply torque to the valve. An isolation valve may be fitted within the appliance case. Be aware that the supply pipe should follow routing to clear the remote receiver or optional fan.



Use only new black iron or steel pipes, CSST, or copper tubing if acceptable—check local codes. **Note that in USA, copper tubing must be internally tinned for protection against sulfur compounds.**

Union in gas lines should be of ground joint type.

The gas supply line must be sized and installed to provide a supply of gas sufficient to meet the maximum demand of the appliance without undue loss of pressure.

Sealant used must be resistant to the action of all gas constituents including propane gas. Sealant should be applied lightly to male threads to ensure excess sealant does not enter gas lines.

The supply line should include a manual shut-off valve and union to allow the appliance to be disconnected for servicing.

Pressure test the supply line for leaks.

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

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

Failure to either disconnect or isolate the appliance during pressure testing may result in regulator or valve damage. Consult your dealer in this case.

The minimum supply pressure is given on page 6 of this manual.

All piping and connections must be tested for leaks after installation or servicing. All leaks must be corrected immediately.

When testing for leaks:

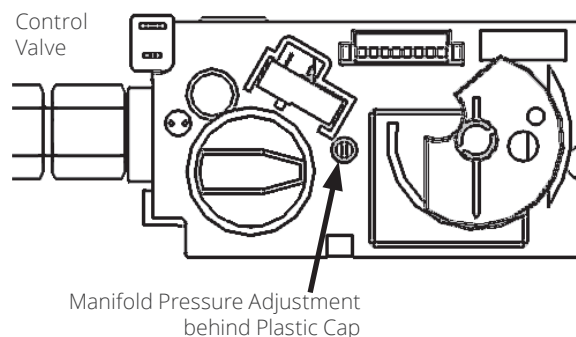
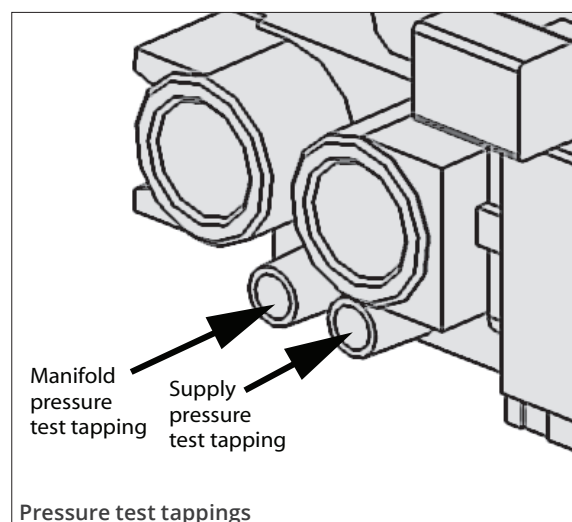
- Make sure that the appliance is turned off.
- Open the manual shut-off valve.
- Test for leaks by applying a liquid detergent or soap solution to all joints. Bubbles forming indicate a gas leak.



WARNING

NEVER USE OPEN FLAME to check for leaks. Correct any leak detected immediately.

The pressure test tapping locations are shown below. A built-in non-adjustable regulator controls the burner manifold pressure. The correct pressure range is shown page 6 of this manual. The pressure check should be made with the burner alight and at its highest setting. See *Appendix A – Lighting Instructions Plate* on page 42 for full operating details.



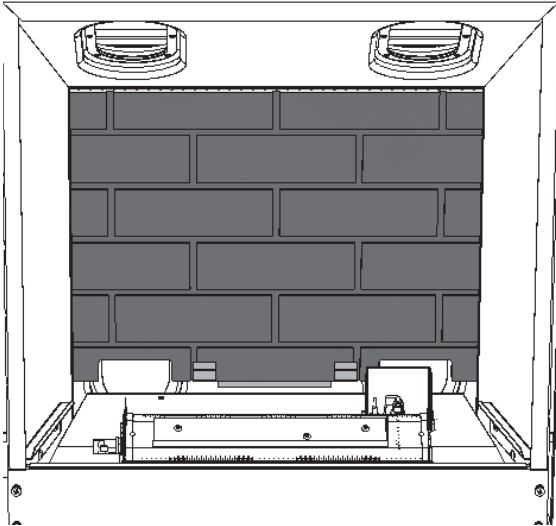
Installation

Liners Panels

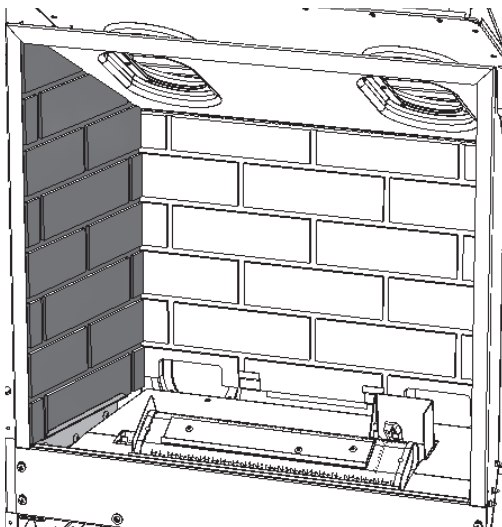
Install Ceramic Liners

These instructions show how to install the reversible ceramic panels. For glass panels installation, see the instructions provided with the **580RGLV2 Reflective Glass Liner Set**.

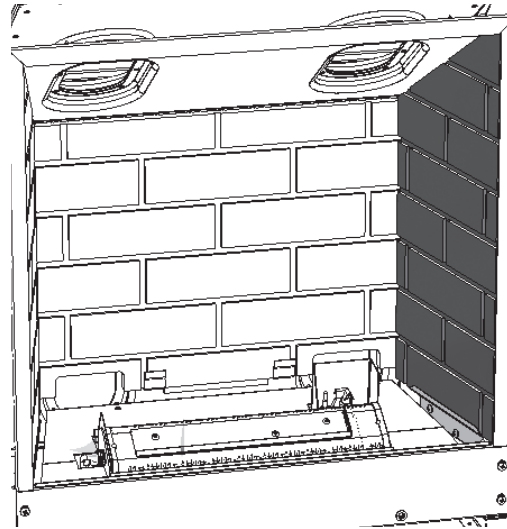
1. Place the rear ceramic panel flat against the rear wall of the firebox, resting behind the panel support's holding tabs.



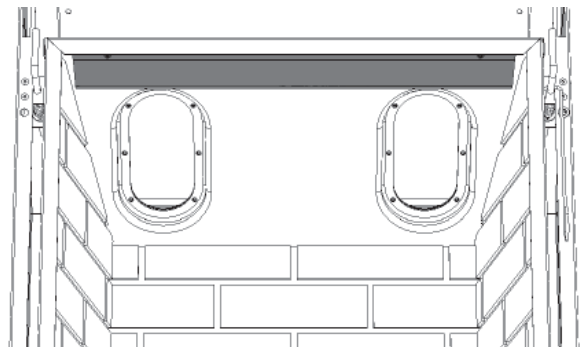
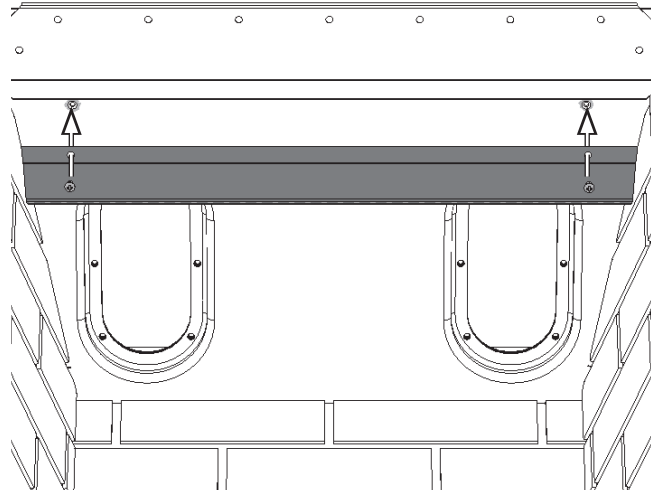
2. Place one of the side panels inserting it in the bottom railing on its side of the firebox. Push the panel back against the rear panel.



3. Repeat with the other side panel.



4. If installing the optional **567FGP Top Grille**, install it now —see instructions supplied with the grille.
5. Remove two screws from under the top front of the firebox. Place the brick retainer and secure it with the two screws.



Installation

Fuel Beds

Birch Logs Set 530VBLK

Material required

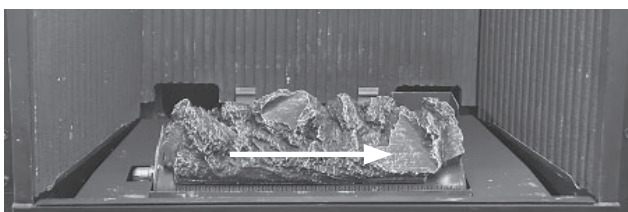
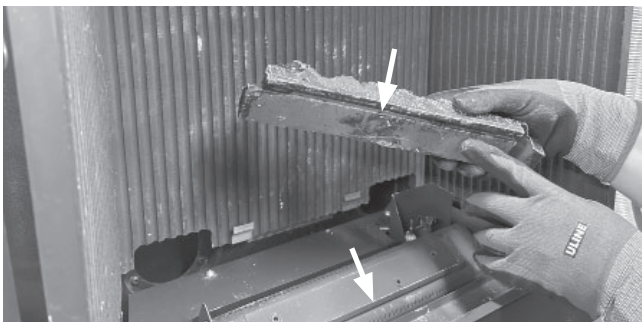
- Birch Log Set containing:
 - 7 logs
 - Embers (small pieces)
- Gloves, if desired (not included)



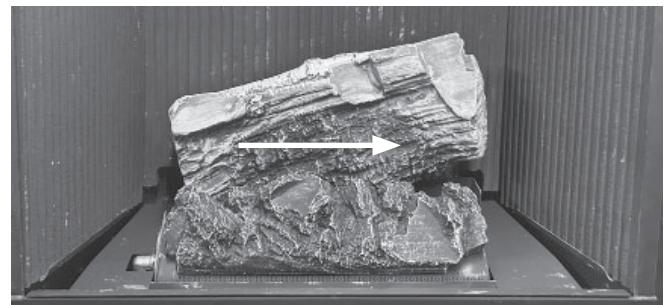
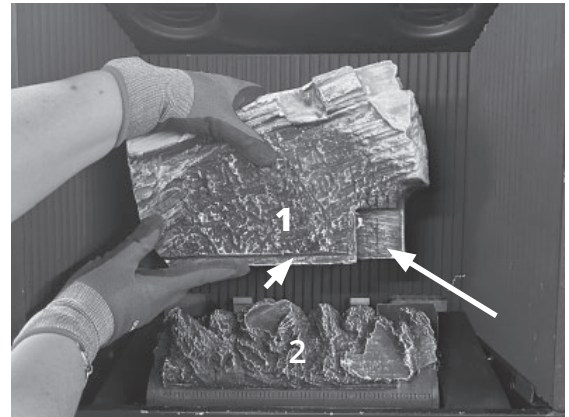
Installation

Unpack the ceramic logs very carefully to avoid damaging their fragile material. Install the logs as shown below. **Please note that the position of the logs is critical to ensure the good performance of the appliance.**

1. Place log 2 on the burner, locating its groove underneath on the burner vertical flange. Slide to the right until it stops. If the log can slide freely past the right end of the burner, it is not properly located.



2. Log 1 has a notch on the bottom to sit against the burner cover flange behind the burner and a notch on the right side to go around the pilot area. Place log 1 behind the burner and pull it forward then slide it right so its lower right corner surrounds the pilot area.



3. The front of the burner cover is slanted upwards and the logs installed in front of the burner rest on the slanted space. Place log 6 on the right, bottom first on the slanted front part of the burner cover, **touching the side wall**, then resting it on the notch of log 1.



Installation

Fuel Beds

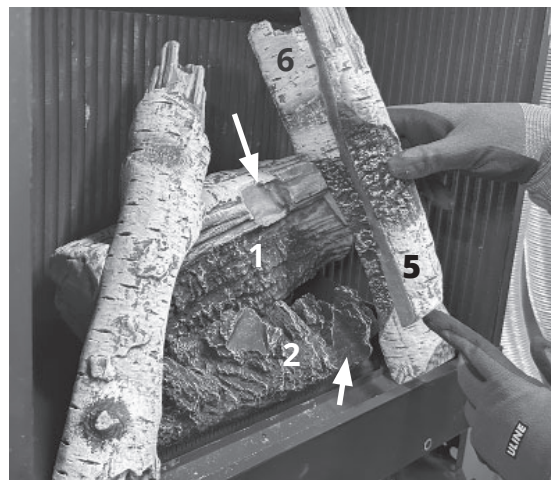


Log MUST
touch wall

4. Place log 7 on the left, bottom first against the slanted front part of the burner cover then rest it on the notches of logs 2 and 1.



5. Place log 5 left of log 6, bottom first against the slanted front part of the burner cover then rest it on the notches of logs 2 and 1.



6. Place log 3 in front of the burner, between logs 7 and 5, its slanted part against the burner cover and the little key knob on top on the left side. Ensure to leave space between the bottom of logs 7 and 5.

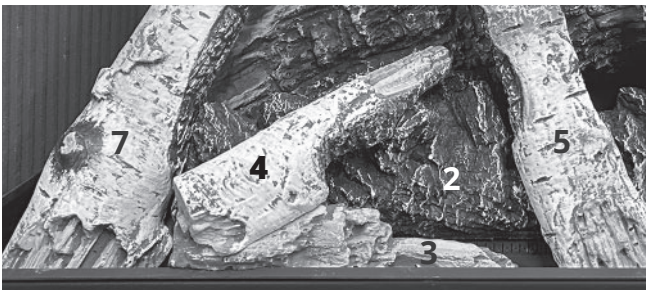


Installation

Fuel Beds

7. Place log 4 on top of log 3 its wider part keying onto knob of log 3, its narrow part resting in the notch of log 2.

8. If desired, place small embers between the front logs to hide the edge of the sheet metal.



Installation

Fuel Beds

Traditional Logs Set 530VLSK

Material required

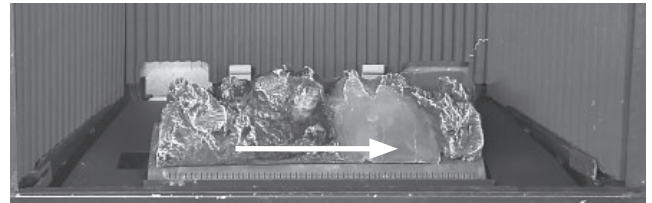
- Traditional Log Set containing:
 - 7 logs
 - Ember (small pieces)
- Gloves, if desired (not included)



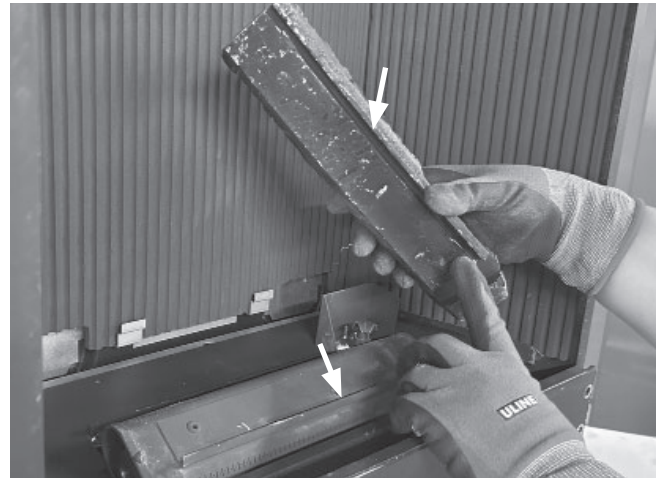
Installation

Unpack the ceramic logs very carefully to avoid damaging their fragile material. Install the logs as shown below. **Please note that the position of the logs is critical to ensure the good performance of the appliance.**

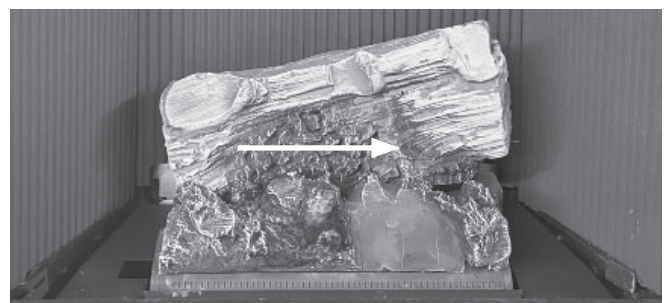
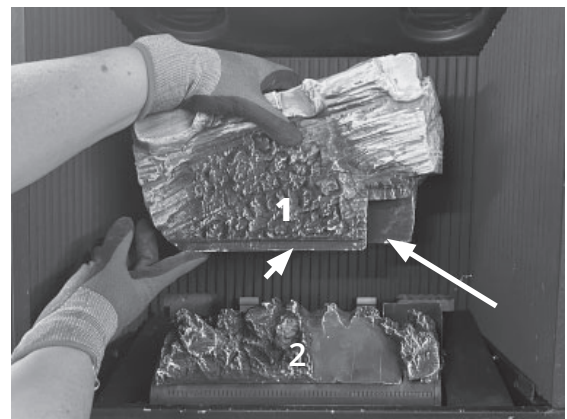
1. Place log 2 on the burner, its groove underneath on the burner vertical flange. Slide to the right until it



stops. If the log can slide freely past the right end of the burner, it is not properly located.



2. Log 1 has a notch on the bottom to sit against the burner cover flange behind the burner and a notch on the right side to go around the pilot area. Place log 1 behind the burner and pull it forward then slide it right so its lower right corner surrounds the pilot area.



Installation

Fuel Beds

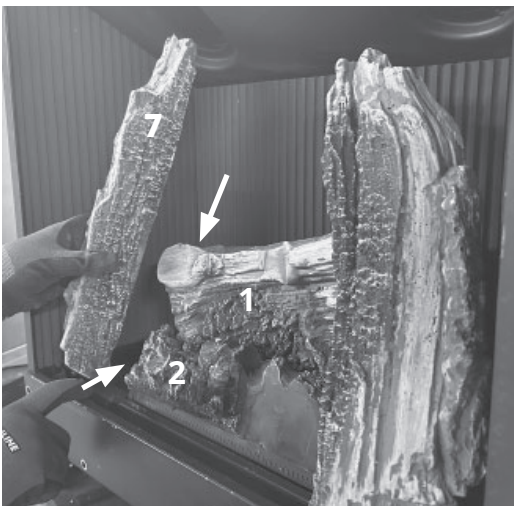
3. The front of the burner cover is slanted upwards and the logs installed in front of the burners rest on the slanted space.

Place log 6 on the right, bottom first on the slanted front part of the burner cover, **touching the side wall**, then resting it on the notch of log 1.



Log MUST touch wall

4. Place log 7 on the left, bottom first against the slanted front part of the burner cover then rest it on the notches of logs 2 and 1.



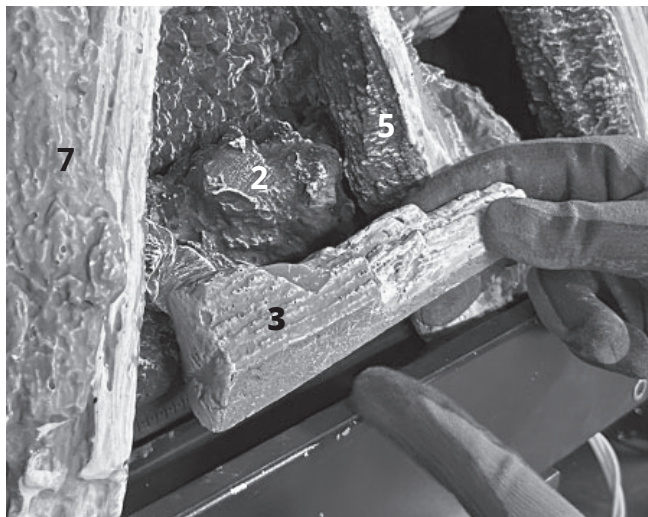
5. Place log 5 left of log 6, bottom first against the slanted front part of the burner cover then rest it on the notches of logs 2 and 1.



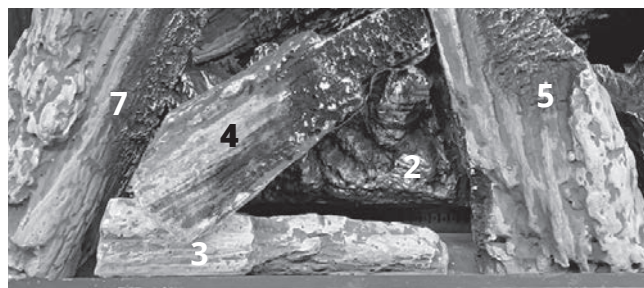
Installation

Fuel Beds

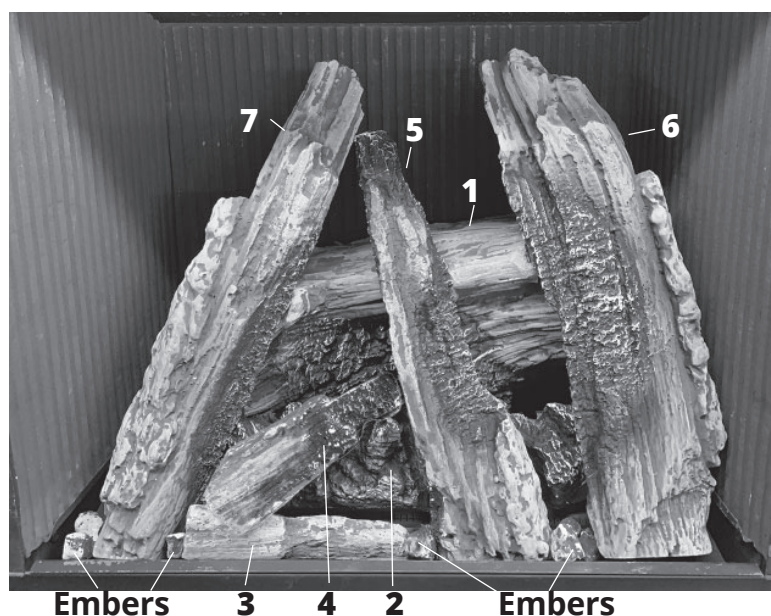
6. Place log 3 in front of the burner, between logs 7 and 5, its slanted part against the burner cover, its narrow part on the right. Ensure to leave space between the bottom of logs 7 and 5.



7. Place log 4 on top of log 3 its wider part on the notch on top of log 3, its narrow part resting in the notch of log 2.



8. If desired, place small embers between the logs in front of the burner to hide the edge of the sheet metal.



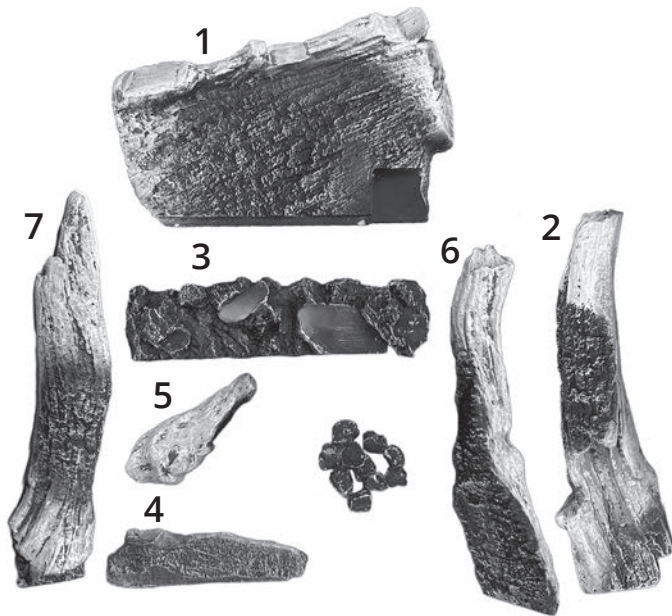
Installation

Fuel Beds

Driftwood Logs Set 530VDWK

Material required

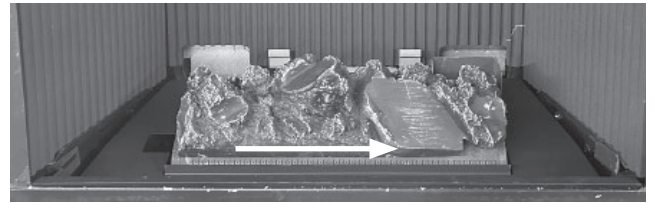
- Driftwood Log Set containing:
 - 7 logs
 - Embers (small pieces)
- Gloves, if desired (not included)



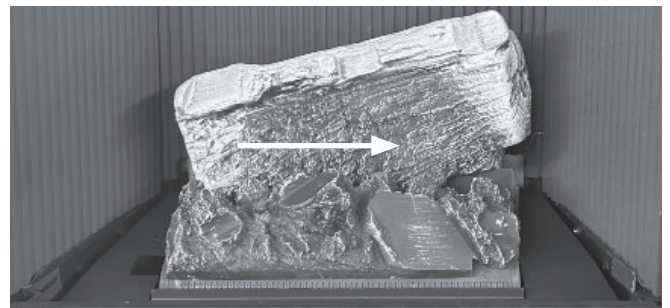
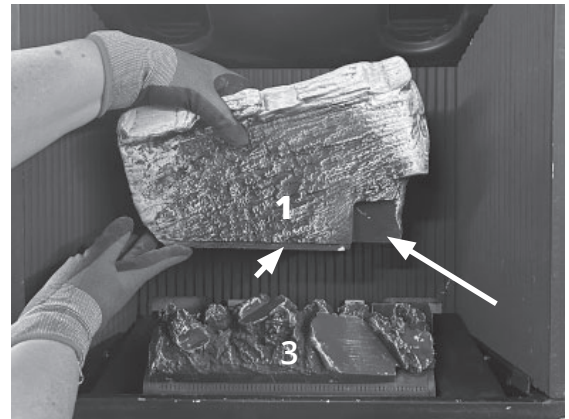
Installation

Unpack the ceramic logs very carefully to avoid damaging their fragile material. Install the logs as shown below. **Please note that the position of the logs is critical to ensure the good performance of the appliance.**

1. Place log 3 on the burner, its groove underneath on the burner vertical flange. Slide to the right until it stops. If the log can slide freely past the right end of the burner, it is not properly located.



2. Log 1 has a notch on the bottom to sit against the burner cover flange behind the burner and a notch on the right side to go around the pilot area. Place log 1 behind the burner and pull it forward then slide it right so its lower right corner surrounds the pilot area.



Installation

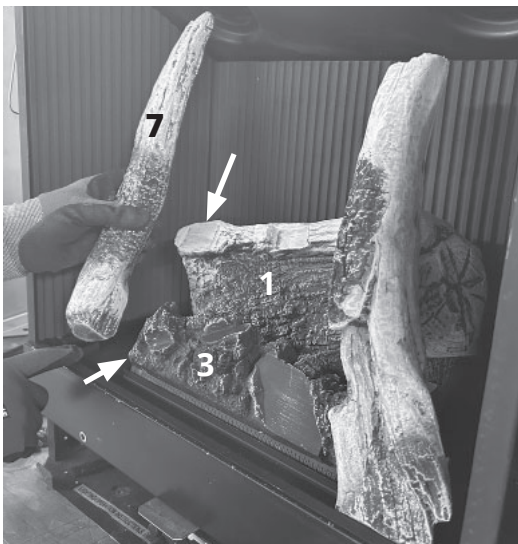
Fuel Beds

3. The front of the burner cover is slanted upwards and the logs installed in front of the burners rest on the slanted space.

Place log 2 on the right, bottom first on the slanted front part of the burner cover, **touching the side wall**, then resting it on the notch of log 1.



4. Place log 7 on the left, bottom first against the slanted front part of the burner cover then rest it on the notches of logs 3 and 1.



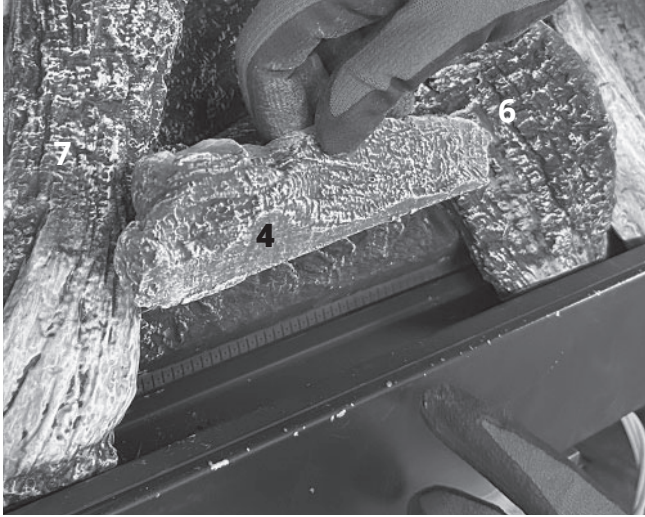
5. Place log 6 left of log 2, bottom first against the slanted front part of the burner cover then rest it on the notches of logs 3 and 1.



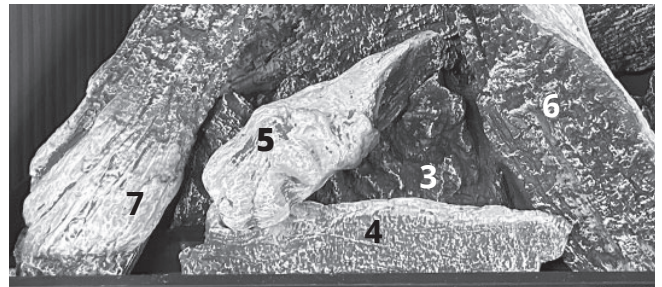
Installation

Fuel Beds

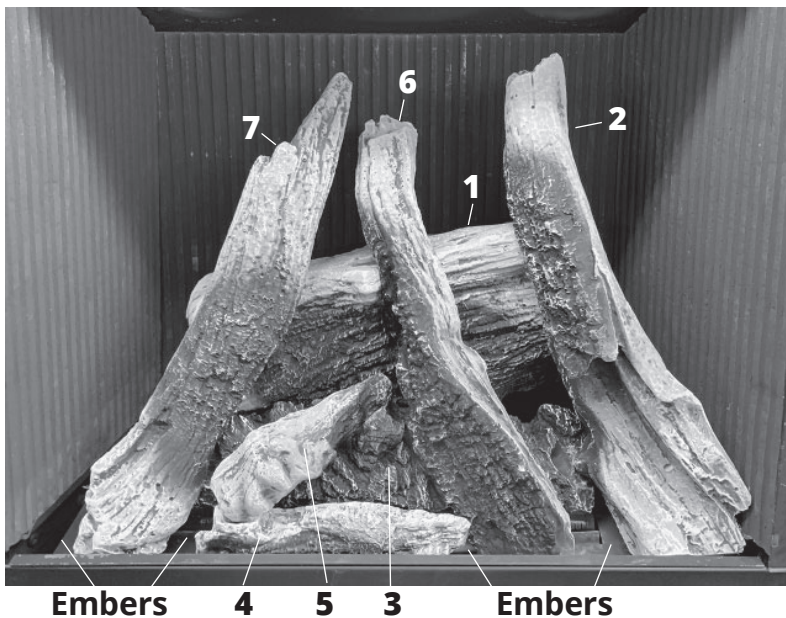
6. Place log 4 in front of the burner, between logs 7 and 6, its slanted part against the burner cover, its narrow part on the right. Ensure to leave space between the bottom of logs 7 and 6.



7. Place log 5 on top of log 4, its wide part on the notch on top of log 4, its narrow part resting in the notch of log 3.



8. If desired, place small embers between the logs in front of the burner to hide the edge of the sheet metal.



Installation

Fuel Beds

Coal Set 530VCSK

Material required

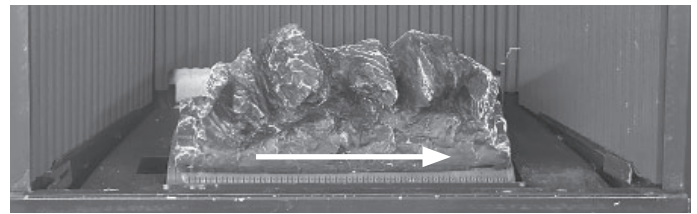
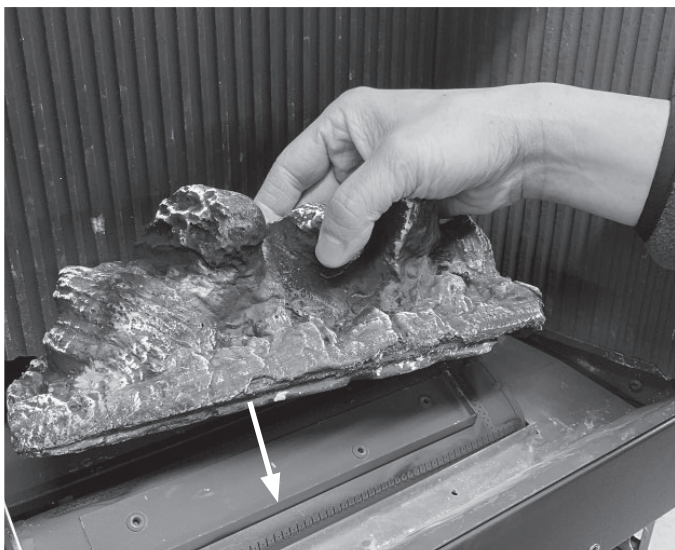
- Coal Set containing:
 - 3 coal arrangement pieces
- Gloves, if desired (not included)



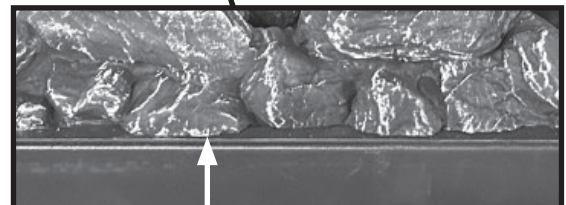
Installation

Unpack the ceramic coals very carefully to avoid damaging their fragile material. Install the coals as shown below.

1. Place coal piece 3 on the burner, its notch underneath against the burner vertical flange. Slide to the right until it stops. If the log can slide freely past the right end of the burner, it is not properly located.



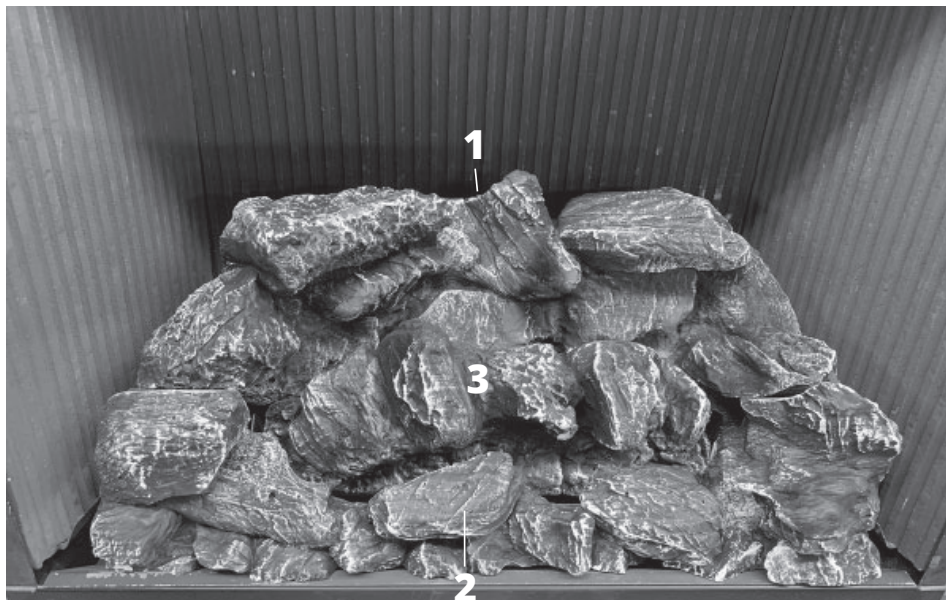
2. The front of the burner cover is slanted upwards and the coal piece installed in front of the burner rest on the slanted space. Place coal piece 2 in front of the burner. Its front overhangs slightly on the edge of the firebox.



Installation

Fuel Beds

3. Place coal piece 1 behind the burner pulling it forward to merge with piece 3 and 2 on each side.

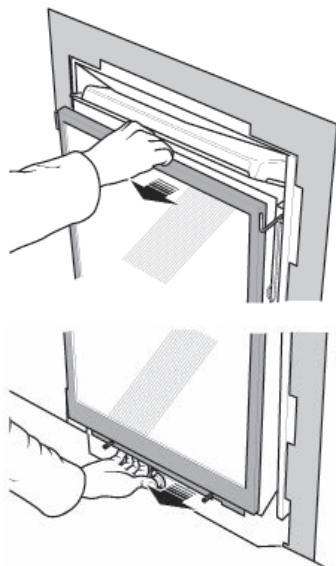
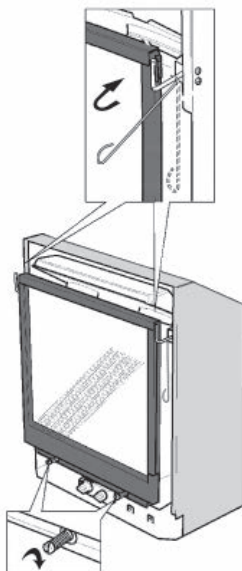


Installation

Refit & Check Window

Refit and Check Window

1. Rest the window on the support at the base of the firebox and center it on the width.
2. While pressing the window against the firebox, pull the clamping bars levers forward and rotate them inwards to secure the top of the window.
3. Fit the two spring-loaded bolts through the bottom of the window and tighten to secure the window.
4. Pull the top of the window forward and release to check that it opens slightly and returns confirming the good function of the spring-loaded mechanism.



5. Similarly, check the bottom of the window by pulling it forward and releasing it.
6. Apply firm pressure around the window frame to ensure the window is sealed tight against the firebox.
7. If the Hot Glass Warning plate has been removed from the front lower corner of the window, re-install it by sliding it between the glass and the frame as indicated.

WARNING

The window unit must be correctly installed, fastened and sealed after servicing or serious bodily injury and/or damage to the appliance may result.

To ensure a safe operation:

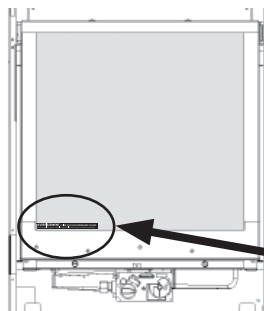
- Double-check that the window frame is correctly installed;
- Verify that the levers and spring-loaded bolts are hooked properly to the window tabs then;
- Pull out the top of the window and release it to ensure the springs return it; repeat with the bottom of the window;
- Ensure the window is sealed before operation.

WARNING

Failure to install the window correctly can:

- Leak carbon monoxide;
- Affect the performance of the fireplace;
- Damage components;
- Cause overheating resulting in dangerous conditions.

Damages caused by incorrect window installation is not covered by the Valor warranty.



! WARNING; EXTREMELY HOT GLASS AND FIREPLACE
Risk of severe burns. Keep Children away from fireplace & controls.
AVERTISSEMENT : VITRE ET FOYER EXTREMEMENT CHAUDS
Risque de brûlures graves. Tenir les enfants à l'écart du foyer et des commandes.
Hot Glass Warning plate



Installation

Battery Holder

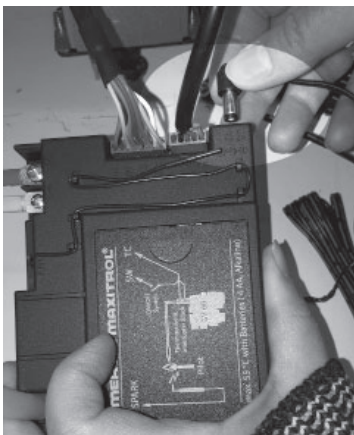
Install Battery Holder

The batteries that power the receiver and handset need to be installed prior to pairing and use.

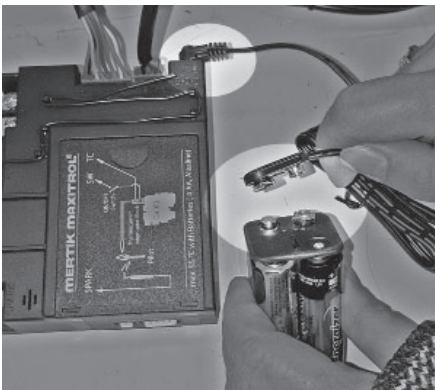
1. Take the receiver out from under the firebox.
2. Insert four 1.5 V high quality **alkaline** batteries in the battery holder and one high quality **alkaline** 9 V battery in the remote handset. The battery holder and cable are supplied with the appliance.



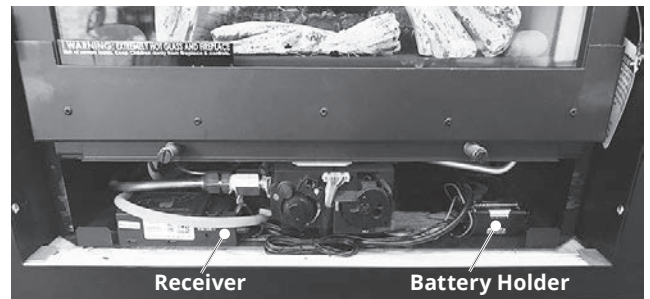
3. Connect the cable to the receiver as shown.



4. Connect the other end of the cable to the battery holder..



5. Place the receiver and battery holder as shown below (placement may vary with installed options).



6. Use a heat-resistant tie to gather any extra cable between the receiver and the holder.



Caution

DO NOT let the cable touch the burner plate above, it will melt during operation.

Installation

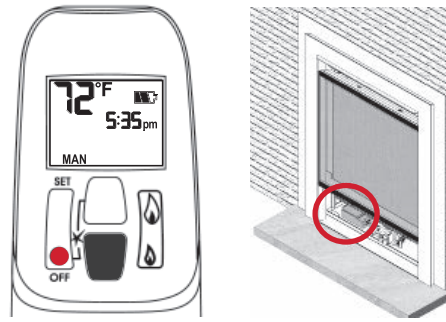
Synchronize Receiver and Handset

The receiver and handset of the remote control system must be initially paired before the first use.

1. If not already done, place a 9 V **alkaline** battery in the handset.
2. Identify the RESET button on the front of the receiver.
3. With a thin object, press and hold the receiver's reset button until you hear one short and one long beeps. Release the button after the second beep.
4. Within the next 20 seconds, press the small flame button (🔥) on the handset until you hear two short beeps confirming the pairing is set.
If you hear a long beep, the pairing has not been done or the wires are not connected correctly.

This is a one time setting only and is not required when changing the batteries in the remote handset. The remote control system is now ready to use.

Remote Control Pairing



Installation

Operation Check & Burner aeration

Check Operation

Turn the fireplace flame up and down using the remote control to confirm that the full range of inputs is achieved—see Appendix B – Remote Control Operation pages 43–46 for details.

Adjust Aeration (if needed)

Light the fire and allow the unit to warm up for 10–15 minutes to evaluate the flame picture. Burners are equipped with an adjustable shutter to control primary aeration. See figures below. The shutter is factory-set to an aeration gap which will give optimum performance for the vast majority of installations.

In some installations, depending of the fuel bed used, the altitude and other considerations, the flame picture may be improved by adjusting the aeration. The need for adjustment should be determined only by operating the appliance with the fuel bed and window installed and evaluating the flame picture after a 15-minute warm-up.

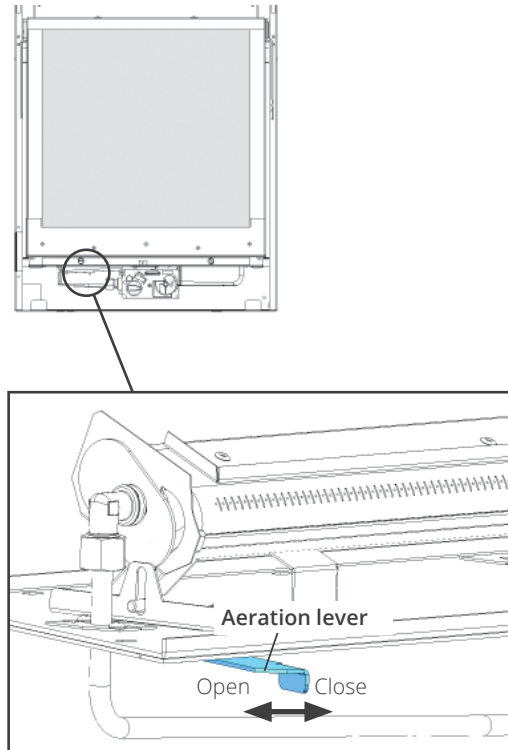
Increasing aeration (open) will cause the flames to appear more transparent and blue showing more ceramic effects glow.

Decreasing aeration (close) will cause flames to appear more yellow or orange showing less ceramic effects glow.

Too little aeration may result in black carbon forming on the logs or roof panel and dropping into the firebox. May also result in carbon or soot stains on the vent termination and exterior wall around the termination! The Manufacturer is not responsible for any damage caused by an air shutter setting with too little aeration.

The aeration lever is located under the firebox above the gas pipe.

To access it, remove the barrier screen, front or bottom panel and adjust it according to the image below.



Front and Barrier Screen

Install the front chosen by the customer for the fireplace. Install as well the barrier screen which is provided with the front.

Show the customer how to access the controls when the front is installed and how to remove it.

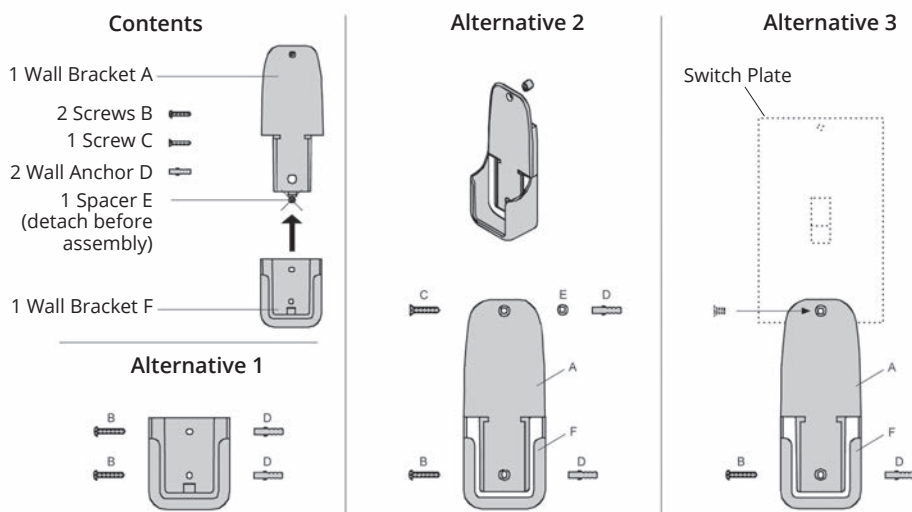
Follow the instructions provided with the front and leave those instructions behind for the customer's further reference.

Handset Wall Holder

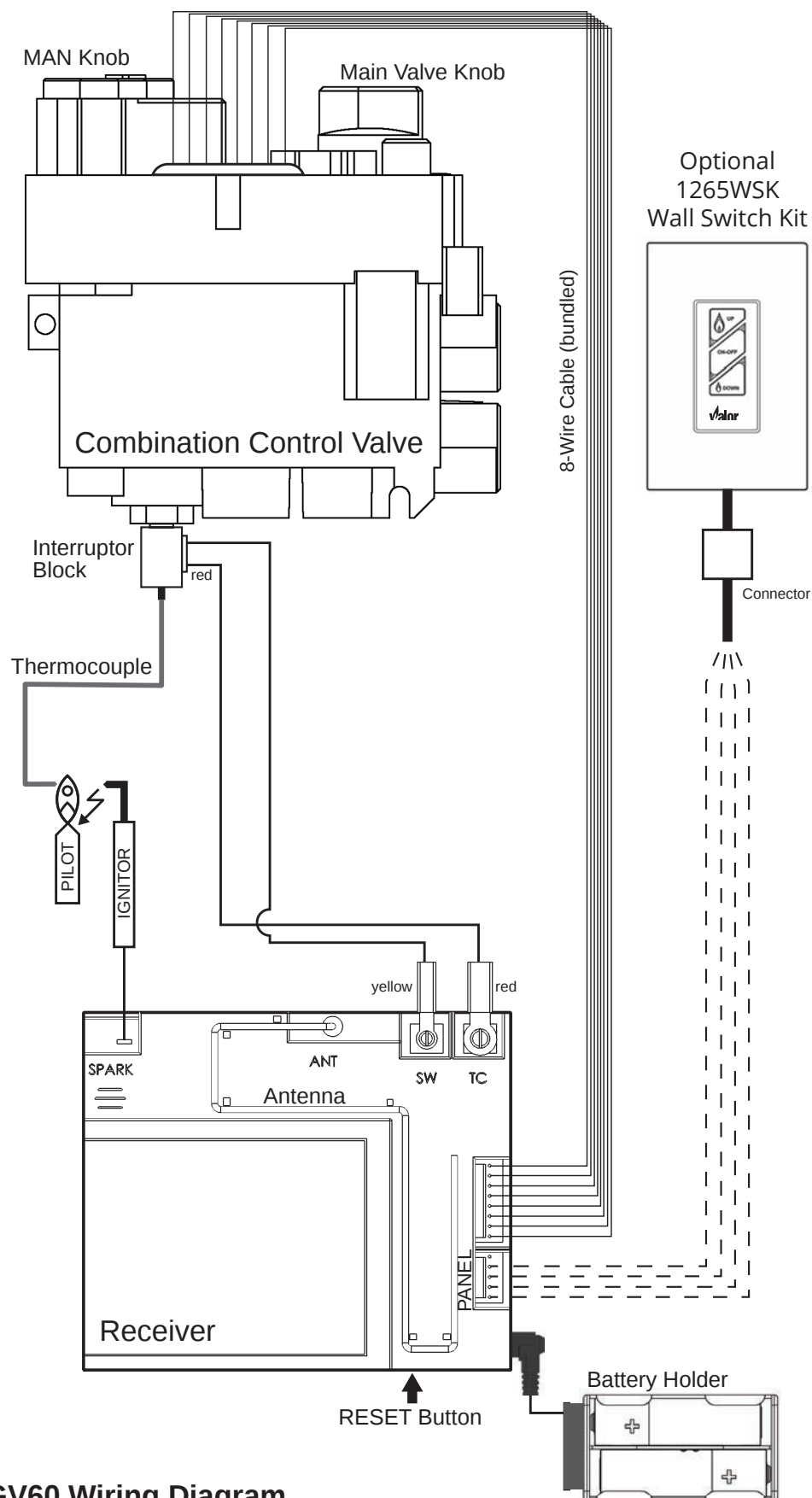
The remote control kit for this fireplace comes complete with a wall-mounted holder. This holder is not required in all installations but is provided as an optional feature for those customers who wish to mount the remote handset to the wall.

To install the holder to the wall, find a convenient location and use the hardware provided with the kit. See the diagram below for required hardware and configurations. Note that the holder can be installed at the base of a light switch plate.

IMPORTANT. The location of the remote control handset is important to insure proper temperature regulation. To obtain a constant temperature, we recommend that the handset should be between 3 and 15 feet away from the appliance but not directly above it. We also advise that the handset should be located away from any other heat source and not in direct sunlight as this may affect the temperature sensor located in the remote handset.



Wiring Diagram



GV60 Wiring Diagram

Commonwealth of Massachusetts

State of Massachusetts Carbon Monoxide Detector/Vent Terminal Signage Requirements

For all side wall horizontally vented gas fueled equipment installed in every dwelling, building or structure used in whole or in part for residential purposes, including those owned or operated by the Commonwealth and where the side wall exhaust vent termination is less than seven (7) feet above finished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfied:

1. INSTALLATION OF CARBON MONOXIDE DETECTORS.

At the time of installation of the side wall horizontal vented gas fueled equipment, the installing plumber or gas fitter shall observe that a hard wired carbon monoxide detector with an alarm and battery back-up is installed on the floor level where the gas equipment is to be installed. In addition, the installing plumber or gas fitter shall observe that a battery operated or hard wired carbon monoxide detector with an alarm is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fueled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard wired carbon monoxide detectors.

a. In the event that the side wall horizontally vented gas fueled equipment is installed in a crawl space or an attic, the hard wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level.

b. In the event that the requirements of this subdivision can not be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed.

2. APPROVED CARBON MONOXIDE DETECTORS. Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and be ANSI/UL 2034 listed and IAS certified.

3. SIGNAGE. A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum height of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fueled heating appliance or equipment. The sign shall read, in print size no less than one-half (1/2) inch in size, "GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS".

4. INSPECTION. The state or local gas inspector of the side wall horizontally vented gas fueled equipment shall not approve the installation unless, upon inspection, the inspector observes carbon monoxide detectors and signage installed in accordance with the provisions of 248 CMR 5.08(2)(a)1 through 4.

(b) EXEMPTIONS: The following equipment is exempt from 248 CMR 5.08(2)(a)1 through 4:

1. The equipment listed in Chapter 10 entitled "Equipment Not Required To Be Vented" in the most current edition of NFPA 54 as adopted by the Board; and

2. Product Approved side wall horizontally vented gas fueled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.

(c) MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM PROVIDED. When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:

1. Detailed instructions for the installation of the venting system design or the venting system components; and

2. A complete parts list for the venting system design or venting system.

(d) MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM NOT PROVIDED. When the manufacturer of a Product Approved side wall horizontally vented gas fueled equipment does not provide the parts for venting the flue gases, but identifies "special venting systems", the following requirements shall be satisfied by the manufacturer:

1. The referenced "special venting system" instructions shall be included with the appliance or equipment installation instructions; and

2. The "special venting systems" shall be Product Approved by the Board, and the instructions for that system shall include a parts list and detailed installation instructions.

(e) A copy of all installation instructions for all Product Approved side wall horizontally vented gas fueled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.

Appendix A – Lighting Instructions Plate



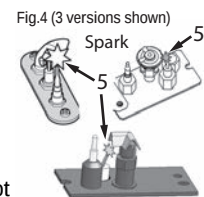
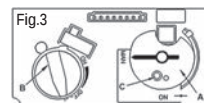
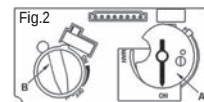
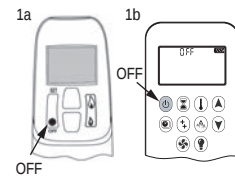
FOR YOUR SAFETY, READ BEFORE LIGHTING

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 appliance has a pilot which must be lighted by hand or by remote control. Follow these instructions exactly. To save gas, turn the pilot off when not using the appliance for a prolonged period of time.
- B. **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.
- C. 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.
- D. Use only your hand to push in or turn the control knobs. Never use tools. If the knobs will not push in or turn by hand, don't try to repair them; call a qualified service technician. Force or attempted repair may result in a fire or explosion.

OPERATING INSTRUCTIONS

1. **STOP!** Read the safety information above.
2. This appliance is equipped with an on-demand pilot that shuts off after 7 days of inactivity.
3. To **CLEAR ANY GAS**, turn main valve off by momentarily pressing OFF button (●) (1a) or (⏻) button (1b) on remote control handset.
 - 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 above on this label. If you don't smell gas, go to the next step.
4. **AUTOMATIC IGNITION:** MAN-knob in ON position (Fig. 2, A). (Ensure gas control knob is set to OFF (full clockwise ⤵) (Fig. 2, B). Locate the pilot inside firebox (Fig. 4).
 - On the remote control handset, press and hold simultaneously the OFF (●) and large flame (🔥) buttons (1a) OR, press and hold (⏻) button (1b); a short acoustic signal confirms the start has begun.
 - Further short acoustic signals indicate the ignition process is in progress.
 - When the pilot is lit, the gas control knob (Fig. 2, B) will automatically rotate to the highest setting. Press the small flame button (🔥) (1a) or down arrow (⬇️) (1b) on the remote to reduce flames.
5. **MANUAL IGNITION:** MAN-knob in MAN position (Fig. 3, A). With the window off, locate the pilot inside firebox (Fig. 4).
 - Set gas control knob to OFF (full clockwise ⤵) (Fig. 3, B).
 - Push down the manual pilot plunger with a small screwdriver or similar instrument (Fig. 3, C); this will establish the pilot gas flow.
 - Light gas at the pilot with a match (Fig. 4, 5).
 - Continue holding down manual pilot plunger for about 10 seconds (Fig. 3, C); after release, pilot should remain lit.
 - If the pilot will not stay lit after several tries, turn the gas control knob to OFF (full clockwise ⤵) (Fig. 3, B) and call your local service technician or gas supplier.
 - Once the pilot is lit, reinstall the window and set the MAN-knob to ON (full counter-clockwise ⤴) (Fig. 2, A); turn gas control knob up (⤴) or down (⤵) manually (Fig. 2, B) or use the flame buttons (🔥) (🔥) (1a) or arrow buttons (⬆️) (⬆️) (1b) on the remote control handset to adjust the flame height.



TO TURN OFF GAS TO APPLIANCE

AUTOMATIC SHUT-OFF (using the remote control handset):

Press and hold the small 🔥 button (1a) or ⬇️ button (1b) to shut-off the main burner gas flow.

Momentarily press the "OFF" ● button (1a) or (⏻) button (1b) on remote handset to shut-off the appliance, including pilot flame.

DO NOT REMOVE FROM FIREPLACE

4009565-01

Appendix B – Remote Control Operation

Radio Frequency

315 MHz for USA and Canada.

This device complies with Part 15 of the FCC Rules and with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

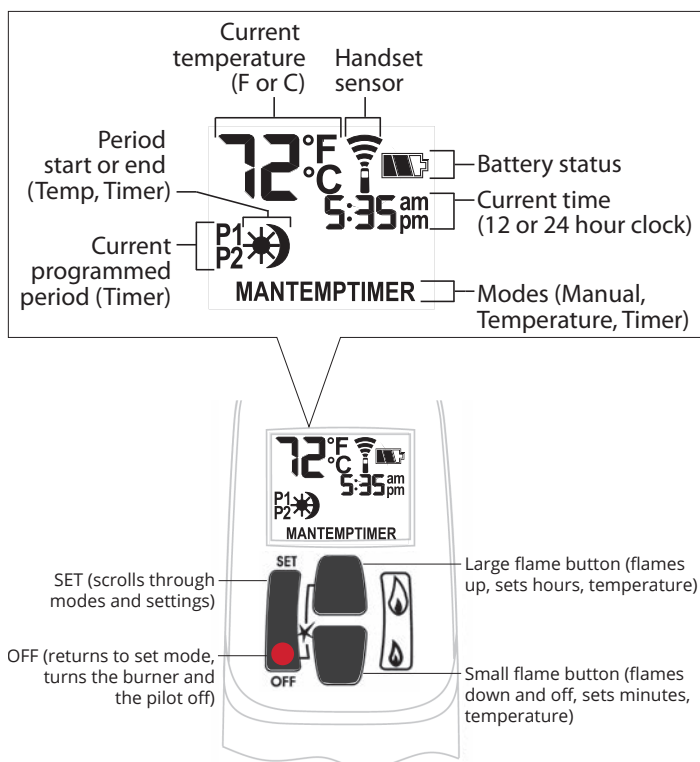
NOTE: Before using the remote control system for the first time, the receiver and the handset must be synchronized. See *Remote Control Pairing* on page 37 of this manual.

IMPORTANT: BEFORE YOU BEGIN, please note that on this system, the settings of time, temperature and automatic ON/OFF **can only be programmed when the function display is flashing.** Be patient when programming as it can take a few seconds to set.

Note: In the TEMP or TIMER modes, the remote handset senses the room temperature and adjusts the flame accordingly.

To communicate, the handset should be within 15 feet (4.5 meters) of the fireplace.

Do not leave the handset on the mantel or hearth.



Turn Fireplace ON

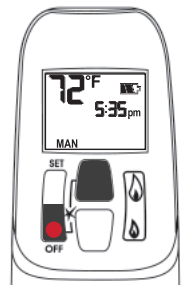
Press ● + 🔥 buttons until you hear a short beep; release buttons.

Beeping continues until pilot is lit.

Burner lights to maximum flame height and handset goes automatically to manual (MAN) mode.

NOTES:

On the valve, MAN button must be at ON, in full counter-clockwise position ↺.



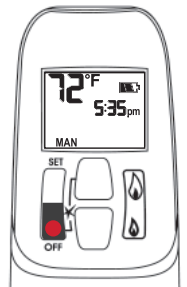
Turn Fireplace OFF

Press ● button.

When pilot is just turned off, wait 2 minutes to light it again.

Standby Mode (Pilot Flame)

Press and hold 🔥 to set fireplace to pilot.



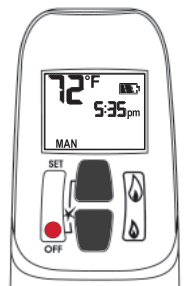
Adjust Flames Height

With pilot lit, press and hold buttons:

🔥 = increase flame height

🔥 = decrease flame height or set to pilot

For fine adjustment, tap buttons.



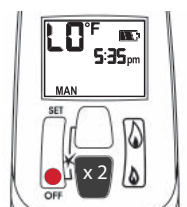
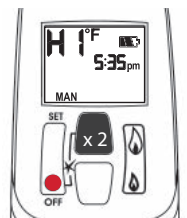
Express Low and High Fire

Double-click buttons:

🔥 = increase flame to maximum height "HI"

🔥 = decrease flame minimum height "LO"

NOTE: Flame goes to high fire first before going to designated low fire.

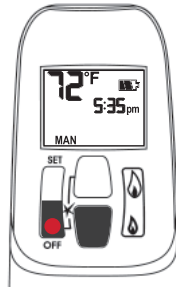


Appendix B – Remote Control Operation

Setting °C/24-hr or °F/12-hr clock

In MAN mode, press and hold ● + 🔥 buttons until temperature / clock display changes from

°F / 12-hour ↔ °C / 24-hour



Setting Time

The time display will flash after either:

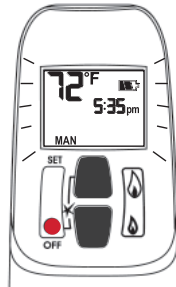
- installing the battery, or
- pressing 🔥 + 🔥

To set the time, press buttons:

🔥 = hour

🔥 = minutes

Press ● briefly or wait to go back to MAN.

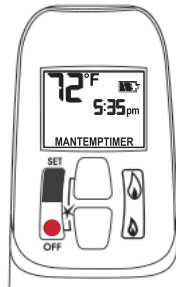


Modes of Operation

Briefly pressing SET cycles through modes of operation.

MAN > ⚙️ TEMP > 🌙 TEMP > TIMER > MAN

NOTE: Press 🔥 or 🔥 to reach MAN mode.



MAN Manual Mode

Manual flame height adjustment.



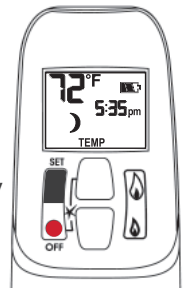
⚙️ TEMP Daytime Temperature Mode

When pilot is lit, room temperature is measured and compared to set temperature. Flame height automatically adjusts to reach Daytime Set Temperature.



🌙 TEMP Night time Setback Temperature Mode

When pilot is lit, room temperature is measured and compared to set temperature. Flame height automatically adjusts to reach Night Time Setback Temperature.



TIMER Timer Mode

When pilot is lit, two periods of time (P1 and P2) can be programmed to use Daytime and Night time temperatures at specific times.

Note: Display shows set temperature every 30 seconds.



Set the different parameters when they are flashing.

Appendix B – Remote Control Operation

Setting high / low Temperatures

Setting “DAYTIME” high temperature.

Default Settings:  TEMP 23 °C/74 °F

Press SET to scroll to  TEMP

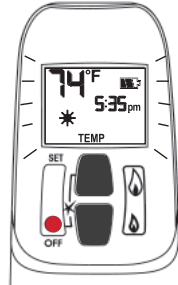
Hold SET button until TEMP flashes.

To set  Daytime Temperature:

 = increases temperature.

 = decreases temperature.

Press  briefly or wait to complete setting.



Setting “NIGHT TIME SETBACK” low temperature.

Default Settings:  TEMP “--” (OFF)

Press SET to scroll to  TEMP

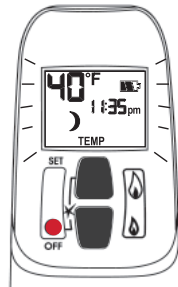
Hold SET button until TEMP flashes.

To set  Night Time Temperature:

 = increases temperature.

 = decreases temperature.

Press  briefly or wait to complete setting.



Setting Program Timers

You can program two periods of time between 12 am and 11:50 pm in each 24-hour cycle.

Programs P1 and P2 must be set in the following order during a 24-hour cycle: **P1** , **P1** , **P2**  and **P2** .

 = Day Time temperature (high) program period

 = Night Time temperature (low) program period

Default Settings:

Program 1: **P1**  06:00 am **P1**  08:00 am

Program 2: **P2**  11:50 pm **P2**  11:50 pm

Press SET to scroll to **TIMER**.



If **P1**  = **P1**  or **P2**  = **P2** , programming is cancelled.

To keep fireplace ON all night, set **P2**  at 11:50 am and **P1**  at 12:00 am.

If you want to program only one period, program **P1**  and **P1**  with desired times then **P2**  and **P2**  with the same time as **P1** .

Setting P1 time—high temperature.

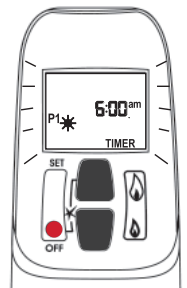
Hold SET button until **P1**  is displayed and time flashes.

To set time:

 = hour

 = minutes

Press  briefly or wait to complete setting.



Setting P1 time—low temperature.

Hold SET button until **P1**  is displayed and time flashes.

To set time:

 = hour

 = minutes

Press  briefly or wait to complete setting.

Appendix B – Remote Control Operation

Setting P2 high and low temperature times.

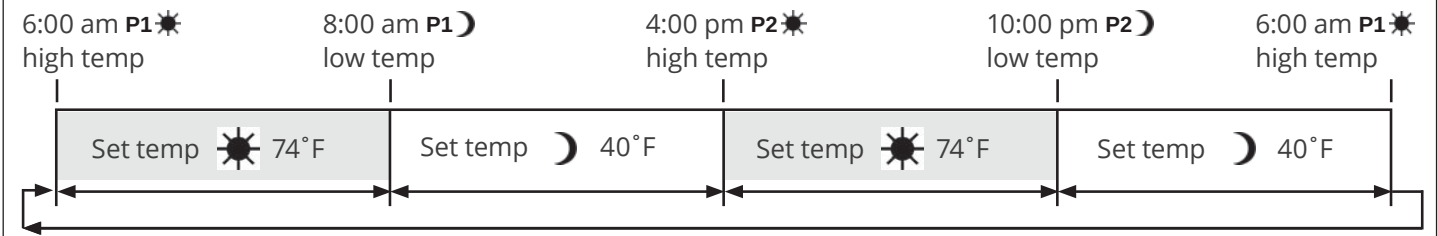
Repeat same steps as Setting P1.

When all settings are complete, press ● to save them.



The pilot has to be lit for the system to respond to the program Temp or Timer settings.

Timer Programming Example (default temperatures shown)



Automatic Turn Down

8-Hour no Motor Movement

The valve will turn to pilot flame if there is no motor movement for an 8-hour period.

Automatic Shut-Off

Low Batteries Receiver. With low battery power in the battery holder the system shuts off the fire completely. This does not apply when the power supply is interrupted.

On-Demand Pilot (7 Day Shut-Off). This green feature eliminates gas energy consumption during extended appliance inactivity. When the appliance is inactive for an extended period of time the system automatically extinguishes the pilot. This feature helps the consumer realize cost benefits by automatically eliminating energy consumption during non-heating months and limited use.

The programmed length of inactivity to activate the system is specified by the appliance manufacturer and cannot be altered in the field.

Low Battery Indication



Caution

DO NOT USE a screwdriver or other metallic object to remove batteries from holder. This could cause a short-circuit.

Handset: The battery icon  will show when the battery needs to be replaced. Replace with one 9 V **alkaline** battery.

Battery holder: Frequent 'beeps' for 3 seconds when the valve motor turns indicate the batteries need to be replaced in battery holder. Replace with four 1.5 V **alkaline** batteries.

Handset / Receiver Match

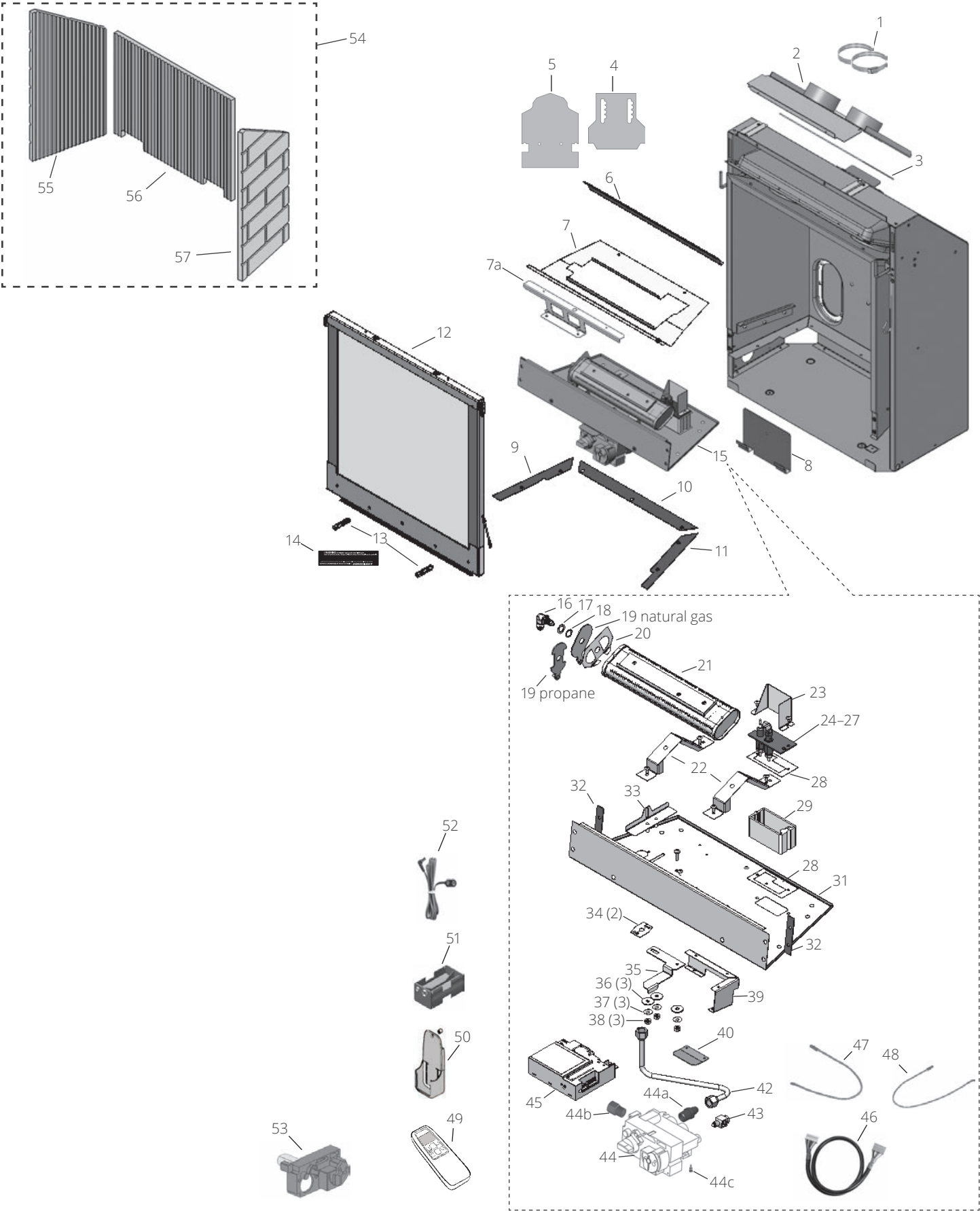
The remote control handset and receiver are programmed to function together. In case of a replacement of the handset or the receiver, you will need to reset the receiver to allow them to function together. Contact your dealer for details.

Appendix C – Spare Parts

	Description	Part no.
1	2.5–4.5" hose clamps (2)	4000768
2	Exhaust slide assembly	4005299
3	Exhaust slide gasket	4001662
4	Adjustable plates (2)	4002896
5	Restrictor plates (2)	4002895
6	Brick retainer	4000828AH
7	Burner cover	4011714
7a	Platform fixing bracket	4011721
8	Rear brick support	4012354
9	Gasket sealing, left hand	620B981
10	Gasket burner module, rear	620B791
11	Gasket sealing, right hand	620B982
12	Window unit	050A216S
13	Window screw assy (2)	000B214S
14	Hot glass warning plate	4003093
15	Burner module (natural gas)	4011593S
	Burner module (propane gas)	4011910S
16	#44 Orifice elbow assembly (natural gas)	4012558
	#55 Orifice elbow assembly (propane)	4012559
17	Steel flat washer 0.37 inch	4007461
18	Spring tension washer 10 mm double wave	4007460
19	Air shutter Ver. H (natural gas)	4011918
	Air shutter (propane gas)	4012151
20	Anti-flashback shield	4007629
21	Burner dual ports P2	4008519
22	Burner mounts (2)	4008431
23	Pilot shield	4010812
24	PSE Pilot assy 36" (natural gas)	4008484S
	PSE Pilot assy 36" (propane gas)	4008485S
25	Pilot injector PSE-730 (natural gas)	4008493
	Pilot injector PSE-727 (propane gas)	4008494
26	Thermocouple	4008490
27	Pilot tube	4008486
	Electrode: included with no. 24	
	Ignition wire: included with no. 24	
28	Pilot gaskets (2)	4000715
29	Pilot stand	4007751
31	Burner module plate	4011592
32	Module plate end gaskets (2)	620B972
33	Link bracket	4011915
34	Pipe sealing plates (2)	4011394
35	Aeration lever	4008698
36	Washers #10 x 0.562 plated (3)	4006692
37	Spring washers 3/16 x 9/16 (3)	4006691
38	#10-24 zinc finish steel reverse nut (3)	4007890
39	Valve mount	4000275
40	Window support	320B399
42	Pipe, valve to injector elbow	4012260

	Description	Part no.
43	Interrupter block	4001037
44	GV60 Valve, no fittings	4000873
44a	Straight connector	4002564
44b	Connector inlet steel ZP	4000746
44c	By-pass screw #175 (natural gas)	4007532
	By-pass screw #105 (propane gas)	4000824
45	Receiver 'PLUS' version	4001911
46	Wiring harness	4001187
47	Cable interrupter/receiver	4001035
48	Cable interrupter, yellow	4002096
49	'PLUS' Handset GV60 with holder	4001910
50	Wall mount holder	9000008
51	Battery holder	4006553
52	Battery box cable 1500 mm	4006552
53	GV60 Valve repair kit (not included)	4004544
54	Reversible Liner Set	526RL
55	Reversible LH brick panel	4001162
56	Reversible rear brick panel	4012467
57	Reversible RH brick panel	4001163
58	Ceramic coals	530VCSK
	Rear coal— #1	4009745
	Front coal— #2	4009747
	Center Ember— #3	4009746
59	Traditional logs set	530VLSK
	Log #1—rear log	4009656
	Log #2—emberbed	4009662
	Log #3—twig bottom left	4009661
	Log #4—twig top left	4009660
	Log #5—center log	4009658
	Log #6—right log	4009657
	Log #7—left log	4009659
	Ember pieces (bagged)	4009407
60	Birch logs set	530VBLK
	Log #1—rear log	4009647
	Log #2—emberbed	4009653
	Log #3—left bottom twig	4009648
	Log #4—left top twig	4009652
	Log #5—center log	4009651
	Log #6—right log	4009650
	Log #7—left log	4009649
	Ember pieces (bagged)	4009407
61	Driftwood Kit	530VDWK
	Log #1—rear log	4009667
	Log #2—right log	4009669
	Log #3—emberbed	4009673
	Log #4—left bottom twig	4009672
	Log #5—left top twig	4009671
	Log #6—center log	4009670
	Log #7—left log	4009668
	Ember pieces (bagged)	4009407

Appendix C – Spare Parts



Appendix C – Spare Parts

