

564 GSR2 35K CF Deluxe Fireplace Installation Manual

Listed By



AS/NZS 5263.1.3
GMK10022
IAPMO-R&T OCEANA

WARNING: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- **DO NOT PLACE ARTICLES ON OR AGAINST THIS APPLIANCE.**
- **DO NOT USE OR STORE FLAMMABLE MATERIALS NEAR THIS APPLIANCE.**
- **DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILE IT IS IN OPERATION.**
- **DO NOT MODIFY THIS APPLIANCE.**
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call 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.

This appliance may be installed in an aftermarket permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes.

This appliance is only for use with the type(s) of gas indicated on the rating plate. A conversion kit is supplied with the appliance.

WARNING



**HOT GLASS WILL
CAUSE BURNS.**

**DO NOT TOUCH GLASS
UNTIL COOLED.**

**NEVER ALLOW CHILDREN
TO TOUCH GLASS.**

Installation Manual

Installer: After installation give this manual to the homeowner and explain operation of this heater.

Dragon Wholesaling Pty. Ltd.
Unit 4, 16 Lexington Drive
Bella Vista NSW
Australia 2153

Overview

This manual details the installation requirements for the 564 GSR2 35K CF fireplace. For operating and maintenance instructions, refer to the 564 GSR2 35K CF Owner's Manual.



**564 CF 35K (Au)
Vented Gas Fireplace Heater**

DO NOT REMOVE



AUSTRALIA ONLY
GAS SAFETY CERTIFICATION

Tested to the combustion performance and construction requirements of AS/NZS 5263.1.3 Gas Space Heating Appliances. This appliance must be installed in accordance with all local codes.

This 564 CF 35K appliance is equipped from the factory only for use with Natural Gas and is only for use with the type of gas indicated on the rating plate. For conversion to LP (Propane) use a certified kit supplied by the manufacturer. See owner's manual for information on making these changes.

This appliance may be installed in an aftermarket, permanently located, manufactured (mobile) home where not prohibited by local codes.

This vented gas fireplace heater is not for use with air filters. This appliance must be properly connected to a venting system in accordance with the manufacturer's installation instructions. Use only approved coaxial direct vent systems to vent this appliance to the exterior. See owner's manual for approved brands of venting.

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

This appliance is a Vented Gas Fireplace Heater. Not for use with Solid Fuel.

Young children should be carefully supervised at all times when they are in the same room as the appliance.

Minimum Clearances to Combustibles

Fireplace to adjacent wall	26 mm	Sides to enclosure	13 mm
Back to enclosure	13 mm	Combustible floor under fireplace	0 mm
Header (from stand-offs)	0 mm	Base of fireplace to a mantel	See Owner's Manual

FAN TYPE VENTED CIRCULATOR

Blower Electrical Rating: 240V., 1.5 Amps, 50 Hz, 150 Watts

	L.P.	N.G.	L.P.	N.G.
Input Rate on "HI" (MJ/h)	35.0	35.0	Minimum Inlet Pressure (kPa)	2.75
Input Rate on "LO" (MJ/h)	8.47	13.5	Maximum Inlet Pressure (kPa)	3.24
Orifice Size - Front (DMS)	#58	#46	Manifold Pressure on "HI" (kPa)	2.59
Orifice Size - Rear (DMS)	#C55	#47		.86

This appliance is equipped for installation 0-610 m. For altitudes above 600m, the vent configuration, orifice, or combination of both may need to be changed. See owner's manual for information on making these changes.

MANUFACTURE DATE:

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<input type="checkbox"/> 2022	<input type="checkbox"/> Feb.	<input type="checkbox"/> May	<input type="checkbox"/> Aug.	<input type="checkbox"/> Nov.
<input type="checkbox"/> 2023	<input type="checkbox"/> Mar.	<input type="checkbox"/> Jun.	<input type="checkbox"/> Sep.	<input type="checkbox"/> Dec.

Manufactured by:



12521 Harbour Reach Drive
Mukilteo, WA 98275

Certificate Holder:

Dragon Wholesaling Pty. Ltd.
Unit 4, 16 Lexington Drive
Bella Vista NSW 2153
Australia

Overview	2	Top Vent Configuration with Horizontal Termination.....	26
Installation Options.....	6	Top Vent Configuration with Vertical Termination.....	27
Heating Specifications.....	6	Termination Requirements	28
Dimensions	6	Hearth Requirements.....	29
Packing List	7	Optional Tile Stop Removal	30
Additional Items Required.....	7	Facing Requirements	31
Installation Overview	7	Mantel Requirements.....	32
Recommended Installation Procedure.....	7	Combustible Mantels.....	32
Pipe Shield Installation.....	8	Steps for Finalizing the Installation	33
Standoff and Drywall Support Preparation.	9	Air Shutter Adjustment	34
Fireplace Placement Requirements	10	Barrier Removal	35
Clearances.....	10	Glass Frame Removal and Installation	36
Raised Fireplaces.....	10	Glass Frame Removal and Installation (continued).....	37
Minimum Framing Dimensions.....	11	Ember bed Glass and Ember Material Installation	38
Minimum Vent “Bump Out” application – Top Vent.....	12	Ember bed Glass Installation	38
Nailing Brackets	13	Ember Material Installation.....	39
Corner Installations.....	14	Log Set Installation.....	40
Outdoor Fireplace Installations	15	LP Conversion Instructions	48
Gas Line Requirements	16	Special Instructions for Fireback Installation -	51
Fuel.....	16	Attaching the Power Heat Duct to the 564 35k (Optional)	53
Gas Line Connection.....	16	Power Heat Duct Covers.....	53
Gas Inlet Pressure.....	16	Installing the Power Heat Duct with the 564 35k	55
Gas Line Location	17	Power Heat Duct Wiring Diagram	55
Converting Gas Line to the Left Side.....	17	CoolSmart TV – Installation Overview (Optional)	56
(required).....	18	CoolSmart TV - Installation Requirements.....	57
Accessing the Area Under the Burner	19	CoolSmart TV - Reduced Mantel Height.....	57
Vent Requirements.....	20	CoolSmart TV - Framing the Chase	58
Vent Clearances.....	20	CoolSmart TV - Installation	59
Altitude Considerations	20	CoolSmart TV - Using oval pipe to get past an obstruction	64
Approved Vent	21	Wiring Diagram	65
Termination	21	Index.....	66
Vent Installation.....	21		
Approved Vent Configurations	22		
Restrictor Position	22		
Exhaust Restrictor Adjustment.....	22		
Intake Restrictor Adjustment	23		
Diffuser Plate Adjustment.....	24		
Minimum Vent Configuration	25		

Safety Warnings

- Failure to follow all of the requirements may result in property damage, bodily injury, or even death.

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.

Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or clothing ignition. Do not touch the hot surfaces of the heater. Educate all children of the danger of a high-temperature heater.

Due to the high temperature, the heater should be located out of traffic and away from furniture and draperies.

- This unit must be installed by a qualified installer to prevent the possibility of an explosion.
- This appliance must be installed in accordance with all local codes, if any; if not, in U.S.A. follow ANSI Z223.1 and NFPA 54(88), in Canada follow CSA B149.1. In Australia follow AS/NZS 5601.1.
- A manufactured home (USA only) or mobile home OEM installation must conform with the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280, or, when such a standard is not applicable, the Standard for Manufactured Home Installations, ANSI/NCSCS A225.1, or Standard for Gas Equipped Recreational Vehicles and Mobile Housing, CSA Z240.4. This appliance may be installed in Manufactured Housing only after the home is site located.
- All exhaust gases must be vented outside the structure of the living-area. Combustion air is drawn from outside the living-area structure. The venting must not be connected to a chimney flue serving a separate solid-fuel burning appliance.
- Notify your insurance company before hooking up this fireplace.
- The instructions in this manual must be strictly adhered to. Do not use makeshift methods or compromise in the installation. Improper installation will void the warranty and safety listing.
- This heater is approved for use with natural gas (NG) or propane (LP). Burning the incorrect fuel will void the warranty and safety listing and may cause an extreme safety hazard. Direct questions about the type of fuel used to your dealer.
- Contact your local building officials to obtain a permit and information on any installation restrictions or inspection requirements in your area.
- If the flame becomes sooty, dark orange in color, or extremely tall, do not operate the heater. Call your dealer and arrange for proper servicing.
- It is imperative that control compartments, screens, or circulating air passageways of the heater be kept clean and free of obstructions. These areas provide the air necessary for safe operation.
- Do not operate the heater if it is not operating properly in any fashion or if you are uncertain. Call your dealer for a full explanation of your heater and what to expect.
- Do not store or use gasoline or other flammable liquids in the vicinity of this heater.
- Do not operate if any portion of the heater was submerged in water or if any corrosion occurs. 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.

Safety Warnings (continued)

- Because this heater can be controlled by a thermostat there is a possibility of the heater turning on and igniting any items placed on or near the appliance.
- Light the heater using the built-in igniter. Do not use matches or any other external device to light your heater.
- Never remove, replace, modify or substitute any part of the heater unless instructions are given in this manual. All other work must be done by a trained technician. Don't modify or replace orifices.
- The viewing glass should be opened only for conducting service.
- Allow the heater to cool before carrying out any maintenance or cleaning.
- Operate the heater according to the instructions included in this manual.
- If the main burners do not start correctly turn the gas off and call your dealer for service.
- This unit is not for use with solid fuel.
- Do not place anything inside the firebox (except the optional artwork).
- **Warning:** Do not operate appliance with the glass front removed, cracked or broken. Replacement of the glass should be done by a licensed or qualified service person.
- Do not throw this manual away. This manual has important operating and maintenance instructions that you will need at a later time. Always follow the instructions in this manual.
- Instruct everyone in the house how to shut gas off to the appliance and at the gas main shutoff valve. The gas main shutoff valve is usually next to the gas meter or propane tank and requires a wrench to shut off.
- A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and shall be installed for the protection of children and other at-risk individuals.
- If the barrier becomes damaged, the barrier shall be replaced with the manufacturer's barrier for this appliance.
- Clothing or other flammable material should not be placed on or near the appliance.
- Any safety screen, guard, or barrier removed for servicing an appliance must be replaced prior to operating the appliance.
- 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.
- **Travis Industries, Inc. grants no warranty, implied or stated, for the installation or maintenance of your heater, and assumes no responsibility of any consequential damage(s).**

SAFETY WARNINGS:

- **DO NOT PLACE ARTICLES ON OR AGAINST THIS APPLIANCE.**
- **DO NOT USE OR STORE FLAMMABLE MATERIALS NEAR THIS APPLIANCE.**
- **DO NOT SPRAY AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHILE IT IS IN OPERATION.**
- **DO NOT MODIFY THIS APPLIANCE.**
- **THIS INSTALLATION MUST CONFORM WITH THE FOLLOWING:**
 - Manufacturer's Installation instructions
 - Local Gas Fitting Regulations
 - Municipal Building Codes,
 - Refer to AS/NZS 5601.1 for Gas Installations.
 - S.A.A. Wiring Code
 - Local Electrical Regulations
 - Any other statutory regulations
- **NOT SUITABLE FOR MARINE USE.**
- **NOT INTENDED FOR FIREPLACE INSERT.**
- **APPLIANCES INCORPORATING A LIVE FUEL EFFECT, AND DESIGNED TO OPERATE WITH LUMINOUS FLAMES, MAY EXHIBIT SLIGHT CARBON DEPOSITION.**

Travis Gas Fireplaces, Stoves, and Inserts are protected by one or more of the following patents; U.S. 8,469,021, 7,066,170, 6,602,068, 6,443,726, 6,953,037; Canada 2755517 as well as other U.S. and Foreign Patents pending.

6

Features and Specifications

Installation Options

- Residential or Mobile Home
- Straight or Corner Placement
- Flush or Recessed Face
- Raised or Floor Placement
- Internal or External Chase
- Horizontal or Vertical Vent
- Bedroom Approved

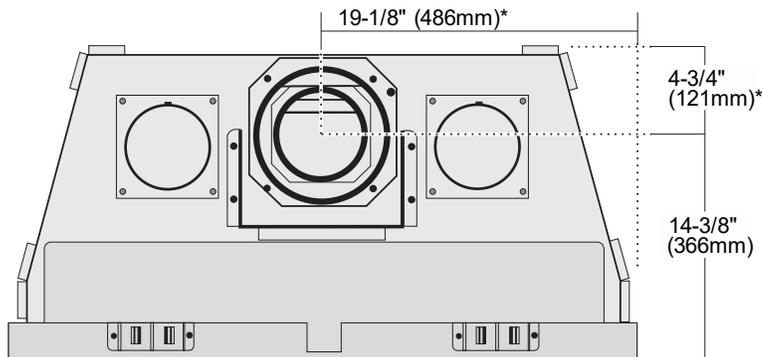
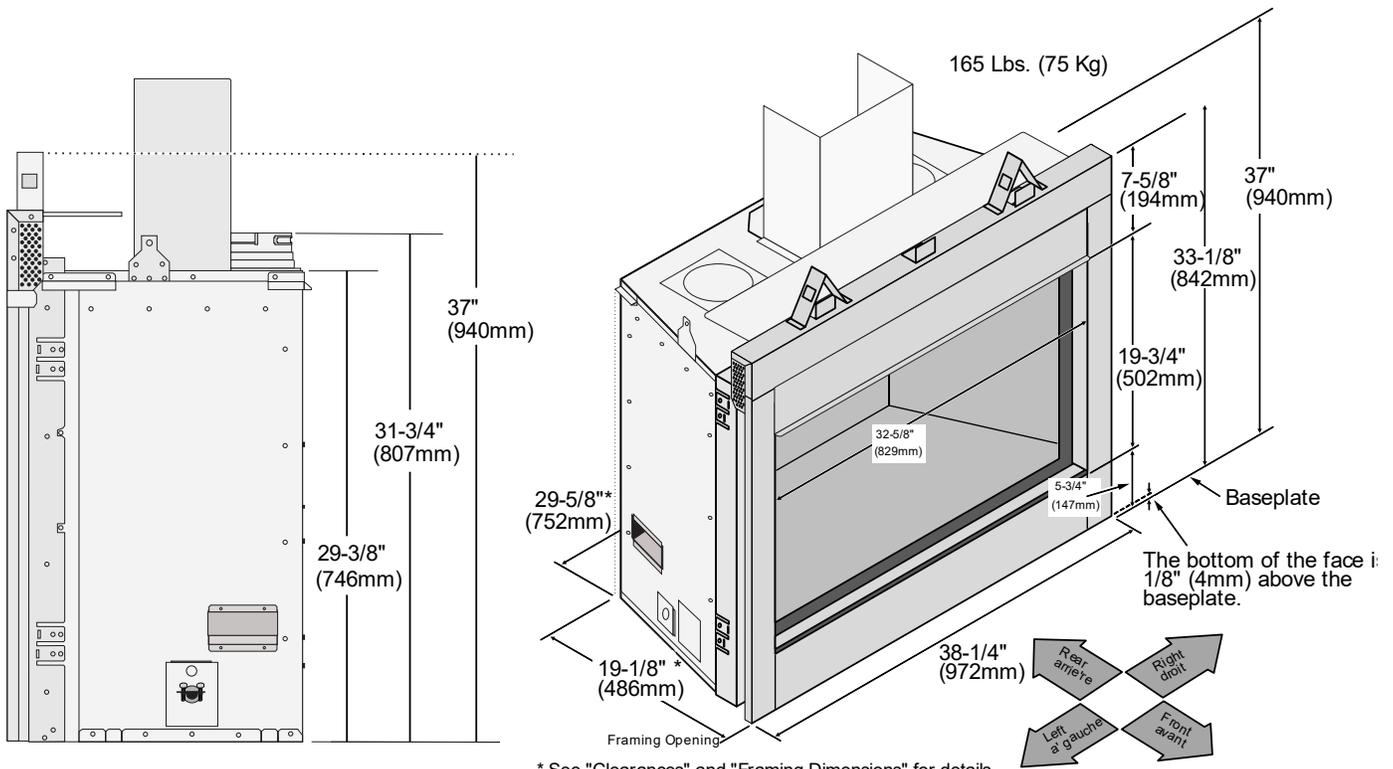
Heating Specifications

	Natural Gas	Propane
Approximate Heating Capacity (in square meters)*	158	158
Maximum Input Per Hour (MJ/H)	35	35

* Heating capacity will vary with floor plan, insulation, and outside temperature.

** Efficiency rating is a product thermal efficiency rating determined under continuous operation independent of installed system.

Dimensions



*Dimensions Include the standoffs

Packing List

- Propane Conversion Kit (Front #58 Orifice, Rear #C55 Orifice, Pilot Orifice 0.14 LP).
- 2 Piece Firestop (sku# 250-05641)
- Remote
- Embers, Rockwool, Ember-Glass

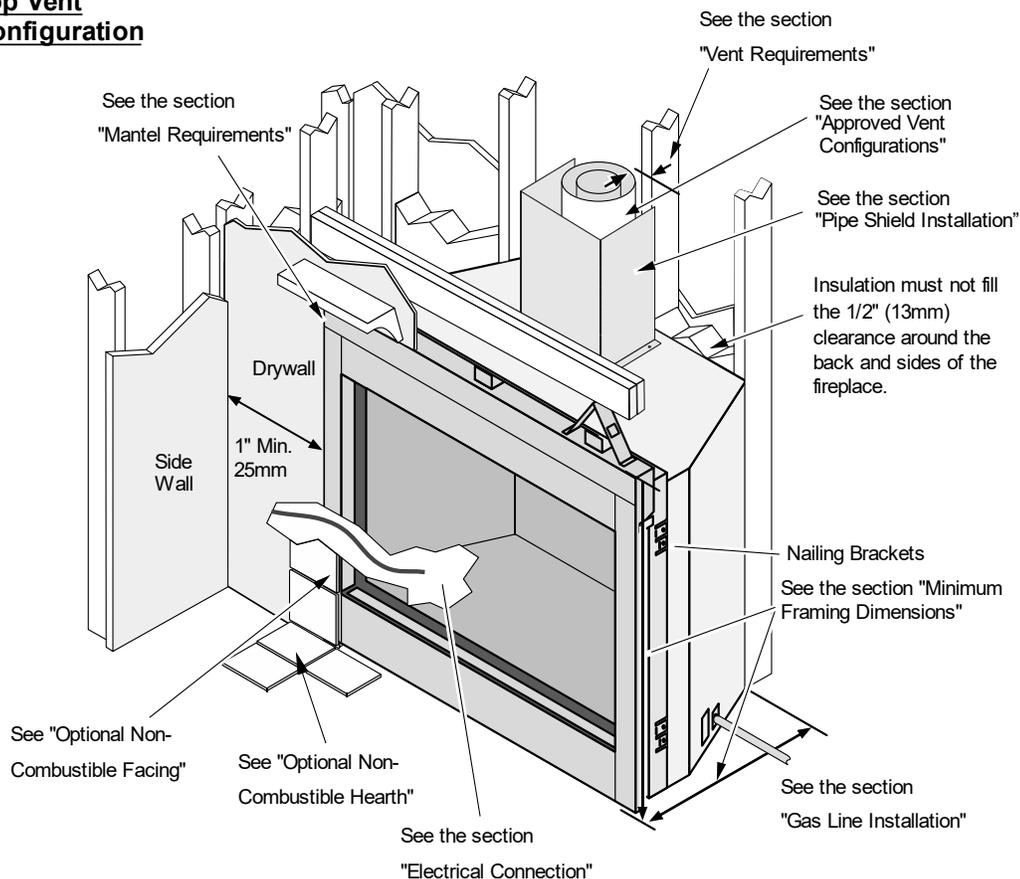
Additional Items Required

- Log Set
- Vent Pipe (installation specific)
- Gas Line Equipment (shutoff valve, pipe, etc.)
- Electrical Equipment (min. 14 gauge, grounded line)

Installation Overview

- All requirements below must be met.

Top Vent Configuration



Recommended Installation Procedure

- Frame the opening for the fireplace. Make sure to allow for vent installation.
- This fireplace is designed to accommodate 1/2" (13mm) or 5/8" (16mm) drywall (see "Nailing Brackets" on page 12 for details). Secure the fireplace to the framing.
- Install the vent, gas line and electrical hook-up.
- Install the drywall.
- Install the hearth (if applicable).
- Install the facing (if applicable).
- Install the mantel (if applicable).
- Finalize the installation (see page 33) and install the grill or face.

8 Finalizing the Installation (for qualified installers only)

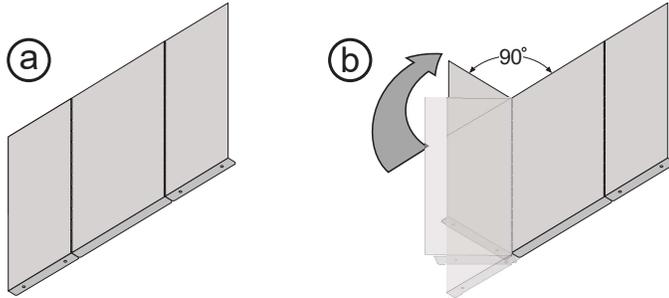
Pipe Shield Installation



The pipe shield must be installed as shown below.

NOTE: The header and pipe shields may be installed after the fireplace is in place and vent attached (this allows for the fireplace to fit into the framing underneath the header and for the vent to be installed more easily).

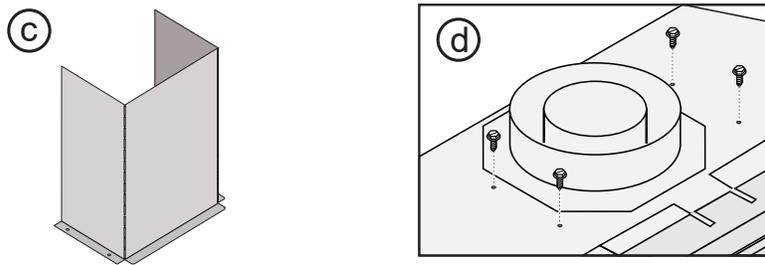
- a) Locate the flattened pipe shield that was shipped with the fireplace (attached to header shield).
- b) At each of the perforations, bend the sides of the pipe shield backwards 90° as shown to the right.



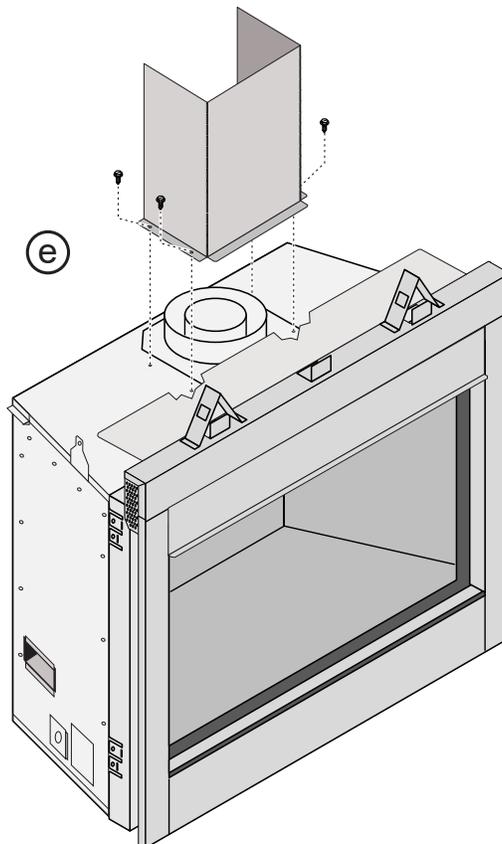
- c) When the shield has been properly formed it should look like "c" to the right.

NOTE: The bottom flanges should be facing outward

- d) Remove the (4) screws, (2) from each side of the starter collar.

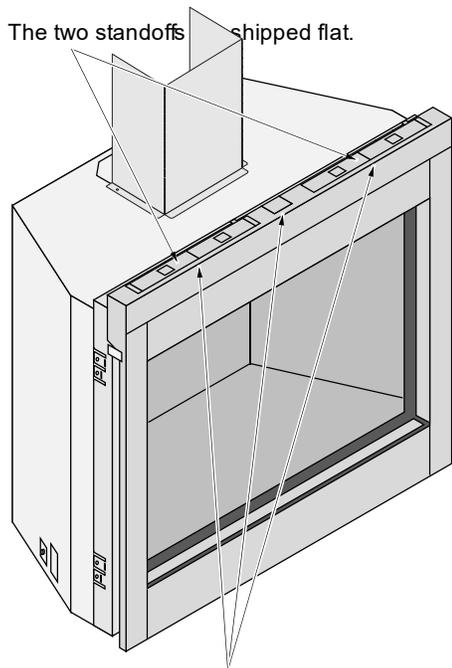


- e) Line up the holes on the pipe shield flanges with the holes from the screws you just removed. Use the screws to attach the pipe shield to the top of the fireplace.

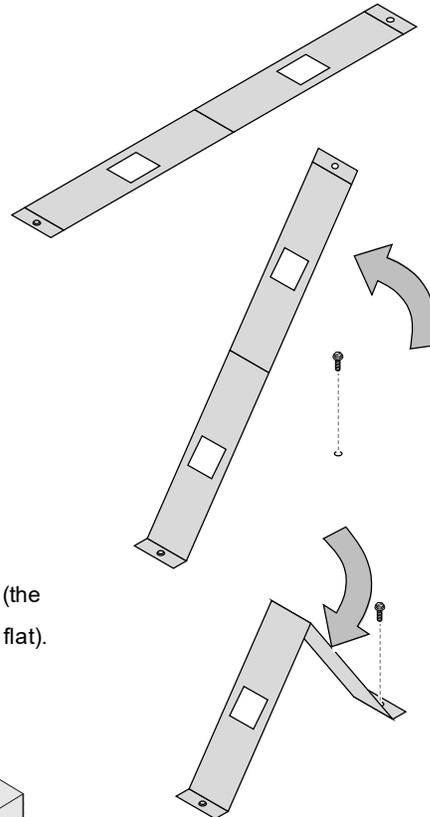


Standoff and Drywall Support Preparation

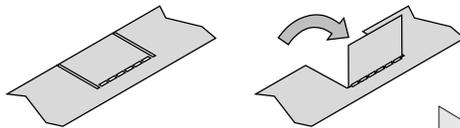
- The two standoffs and three drywall supports are shipped in the flat position. Make sure to bend (and secure) the standoffs and drywall supports as shown below.



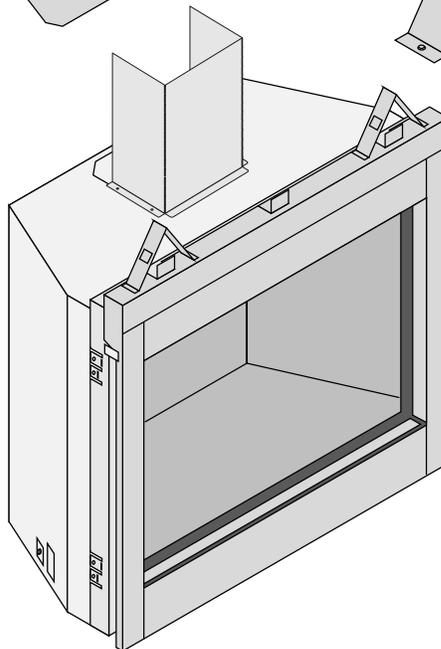
Bend both standoffs as shown below.
Remove the screw from the top of the fireplace and secure the standoffs shown.



Bend the three drywall supports up 90 degrees (the outer two are concealed when the standoffs are flat).



When in place, the standoffs and drywall supports should look as shown to the right.



10 Finalizing the Installation (for qualified installers only)

Fireplace Placement Requirements

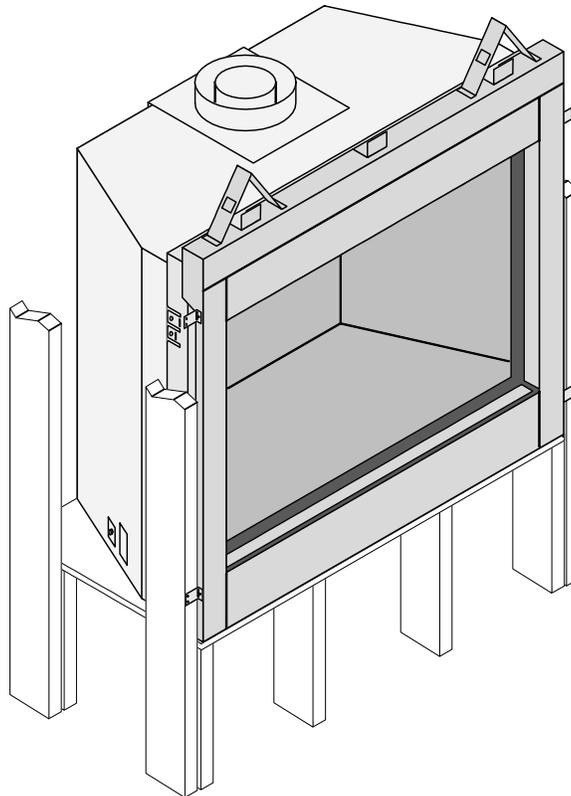
- Fireplace must be installed on a level surface capable of supporting the fireplace and vent
- Fireplace must be placed directly on wood or non-combustible surface (not on linoleum or carpet)
- This heater may be placed in a bedroom. Please be aware of the large amount of heat this appliance produces when determining a location.

Clearances

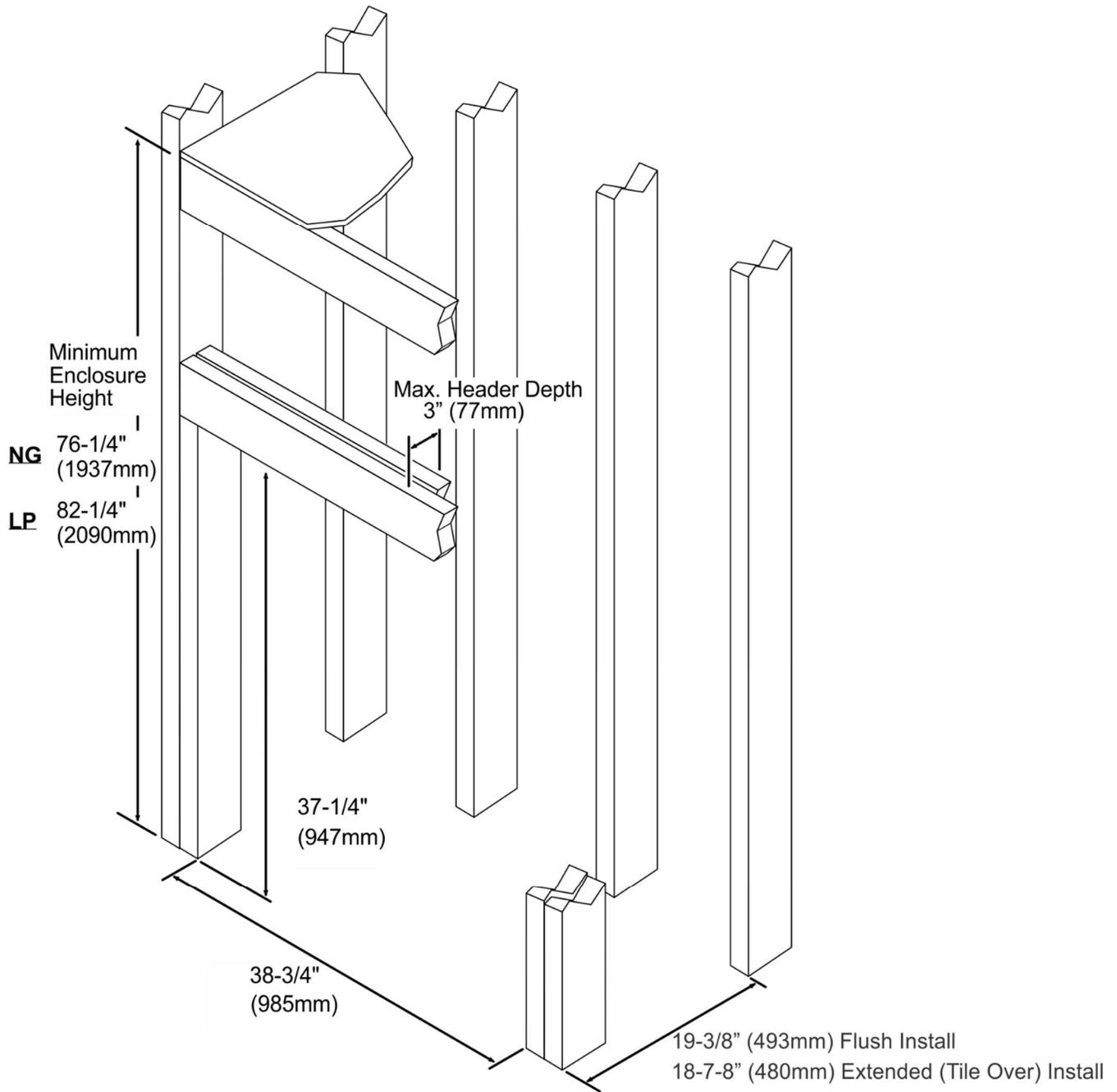
- The fireplace requires a 1/2" (13mm) clearance from the angled sides and back of the fireplace to the framing members. No material (insulation, framing, etc.) may be placed into this area.
- When installed, walls in front of the fireplace must be a minimum 1" (25mm) to the side of the fireplace.
- Due to the high temperature, the heater should be located out of traffic and away from furniture and draperies.
- Fireplace must be placed so the vents below and above the glass do not become blocked.

Raised Fireplaces

- The fireplace (and hearth, if desired) may be placed on a platform designed to support the fireplace (165 Lbs.75 Kg) and vent.
- The base of the fireplace must be a minimum 70" (1778mm) below the room ceiling.

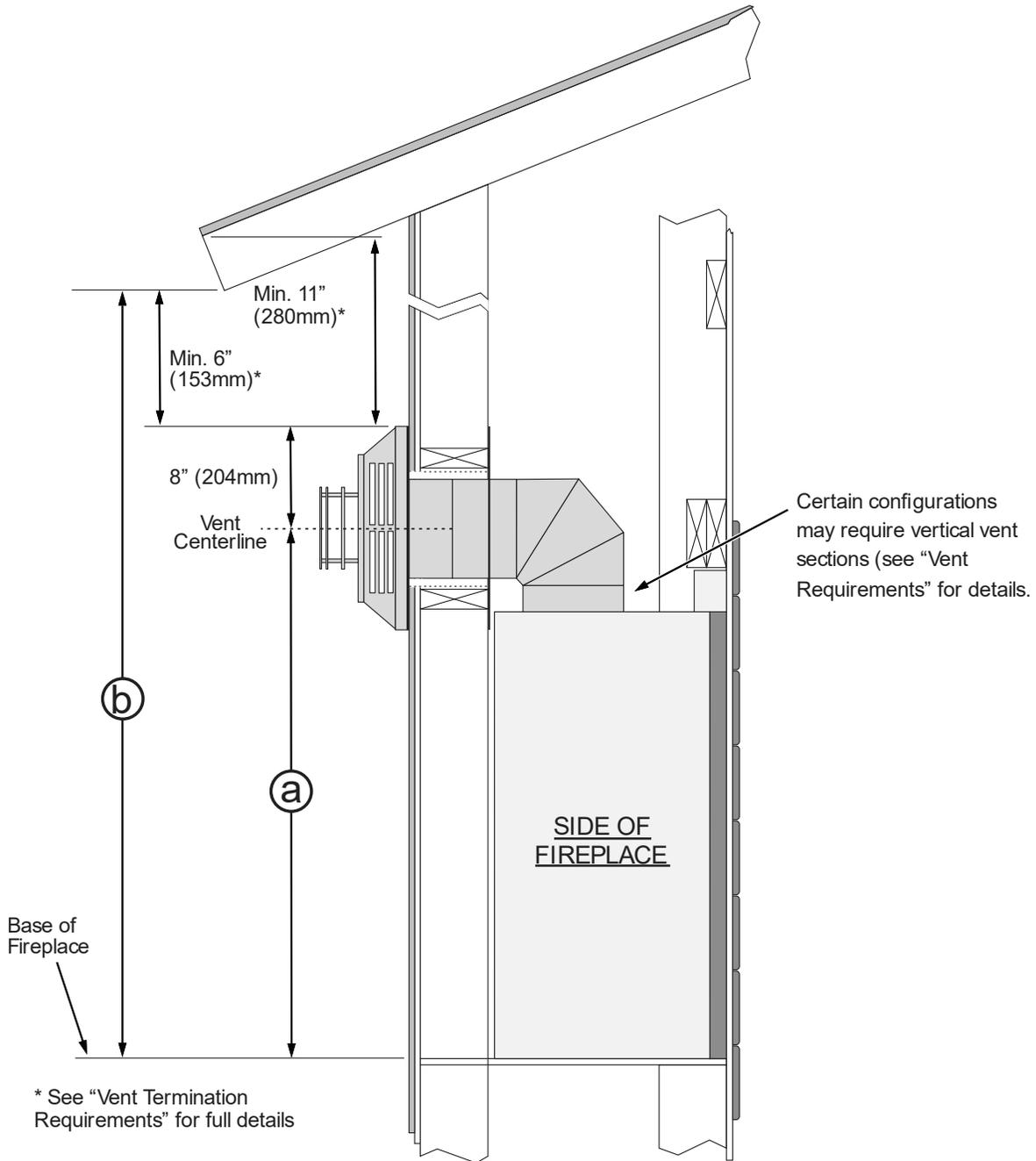


Minimum Framing Dimensions



12 Finalizing the Installation (for qualified installers only)

Minimum Vent "Bump Out" application – Top Vent



564 35K CF

NG Installations

762mm Vertical Vent Sections
(Min. Rise)

LP Installations

915mm Vertical Vent Sections
(Min. Rise)

(a) Vent Centerline	Approx. 66-1/4" (1683mm)	Approx. 72-1/4" to 73-1/4" (1836 to 1861mm)
(b) FP Base to Roof Eave	Approx. 80-1/4" (2039mm)	Approx. 86-1/4" to 87-1/4" (2191 to 2217mm)

Nailing Brackets

The fireplace has nailing brackets on both sides. Once in place, secure the fireplace to the framing.

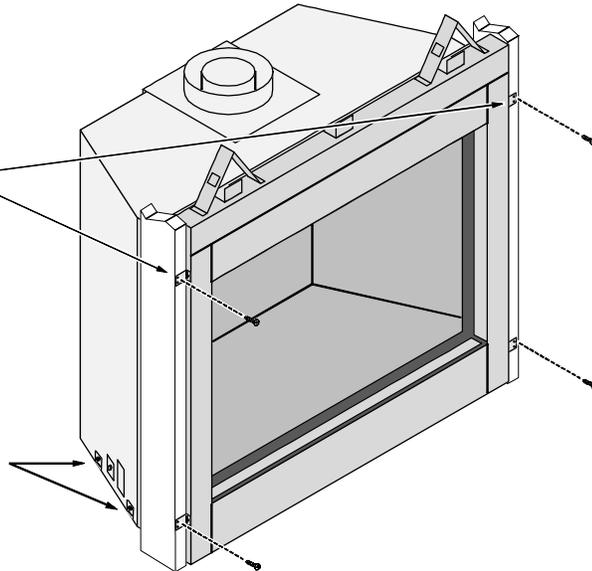
NOTE: Make sure the fireplace is square and plumb when securing the fireplace.

SPECIAL NOTE WHEN USING "SUBMERGED FACING" OPTION

Most installations use the "Standard Facing" position for the nailing brackets. When using the "Submerged Facing" option, the fireplace is positioned $\frac{1}{2}$ " to the rear. Make sure to accommodate this dimension when configuring framing and determining the vent position, gas line position, etc.

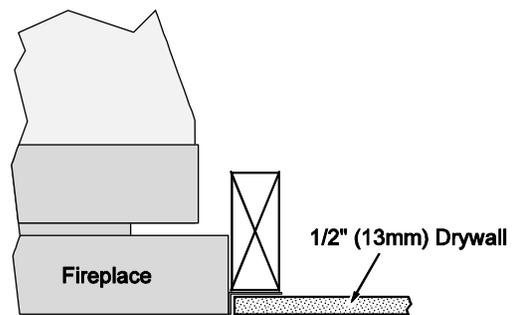
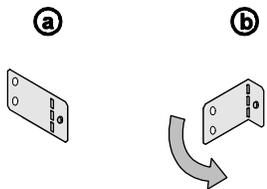
Bend the nailing brackets out and secure to the side framing.

Additional nailing brackets are provided along the base of the fireplace. Use these brackets if not using the front brackets.



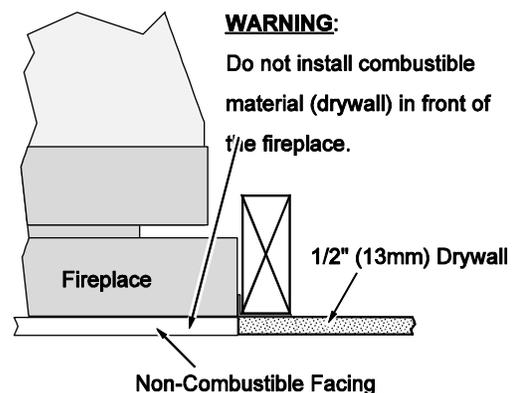
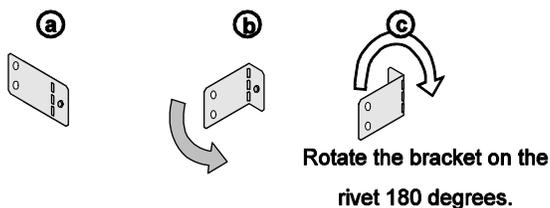
Standard Facing

- Drywall contacts side of fireplace
- Extended on Framing Dimensions



Submerged Facing

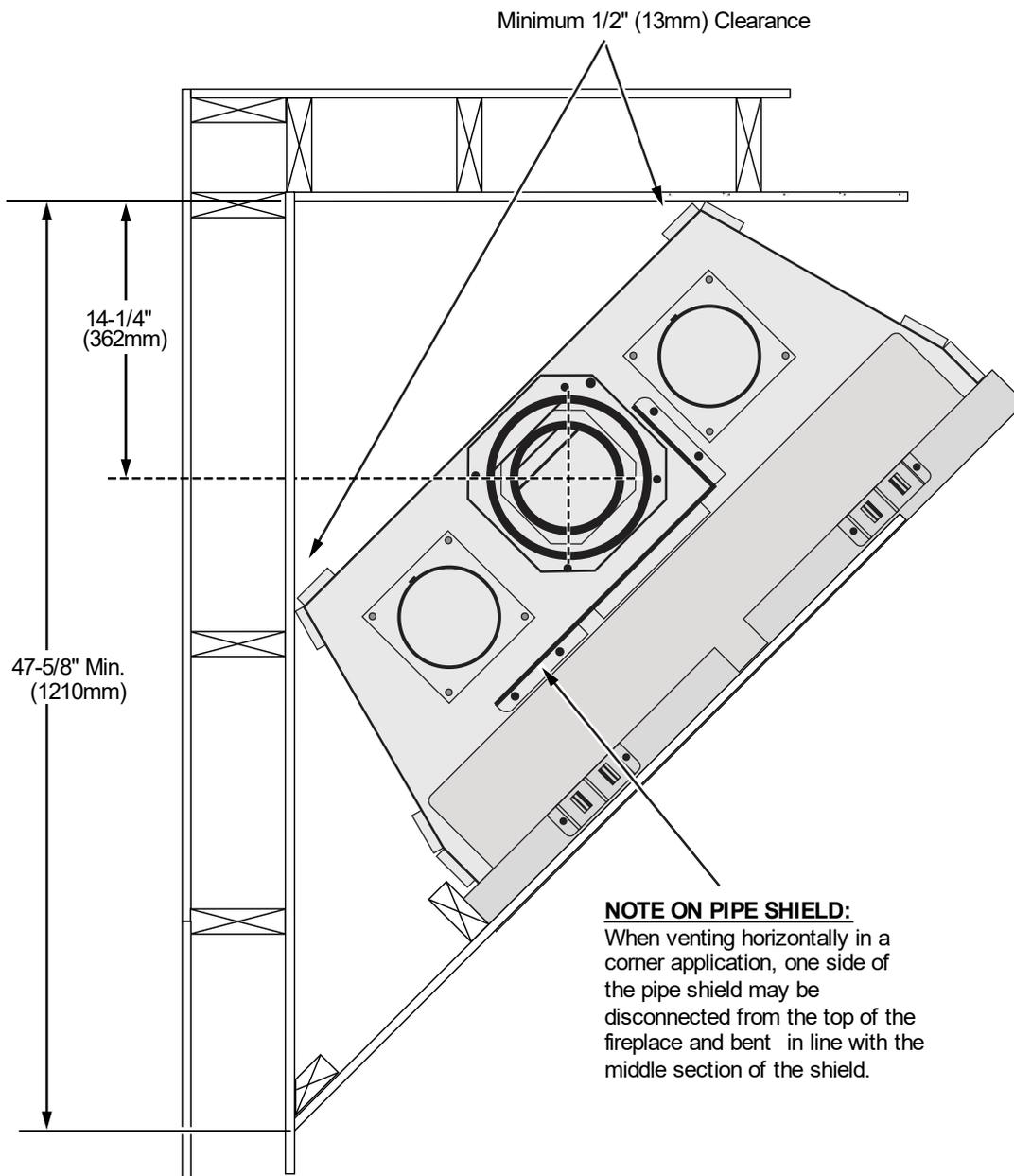
- Drywall butts against non-combustible facing
- Flush on Framing Dimensions



14 Finalizing the Installation (for qualified installers only)

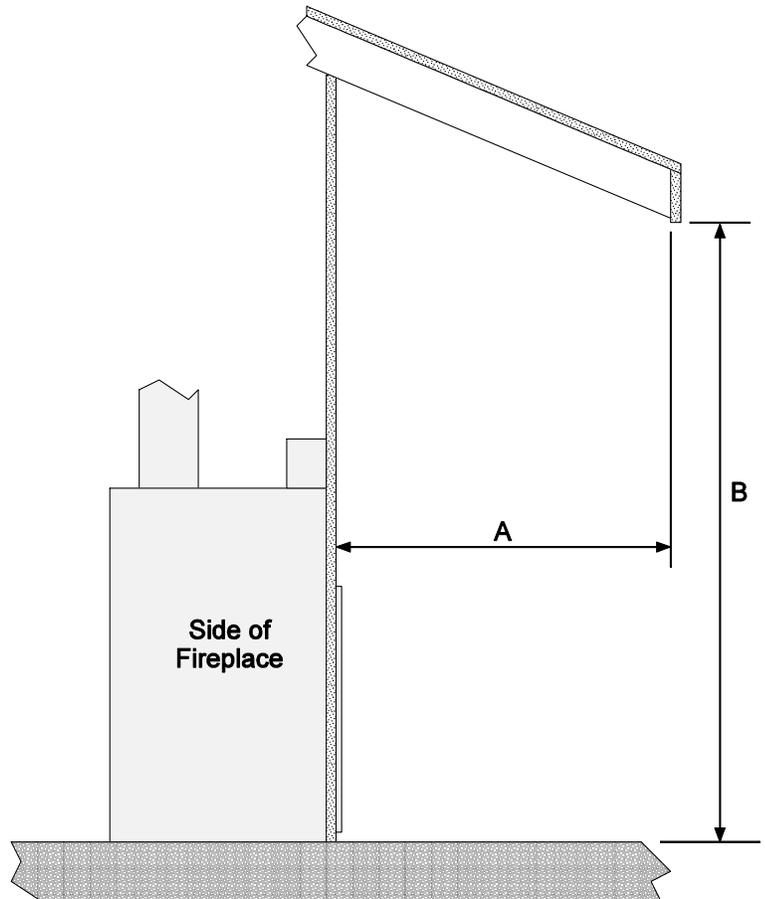
Corner Installations

A typical 45° installation uses the framing dimensions shown in the illustration below (NOTE: all clearances still apply).



Outdoor Fireplace Installations

Travis Industries Inc. gas-fired fireplaces are suitable for installation into outdoor areas protected from direct water impingement. In addition to maintaining listed mantel and combustibles clearances, a rain protection overhang factor of 1/2 shall be constructed to the front and to each side of installed appliances (see the illustration to the right). All wiring connections to line power shall be in accordance with outdoor requirements of NECA NFPA 70.



The overhang (A) must extend at least 1/2 the roofline height (B). Height is measured from the base of the fireplace.

For example: if the roofline (B) is 8' above the base of the fireplace, the overhang (A) must be at least 4'.

16 Finalizing the Installation (for qualified installers only)

Gas Line Requirements

MASSACHUSETTS INSTALLATIONS - **WARNING:**

THIS PRODUCT MUST BE INSTALLED BY A LICENSED PLUMBER OR GAS FITTER WHEN INSTALLED WITHIN THE COMMONWEALTH OF MASSACHUSETTS.

OTHER MASSACHUSETTS CODE REQUIREMENTS:

- Flexible connector must not be longer than 36 inches.
- Shutoff valve must be a "T" handle gas cock.
- Only direct vent sealed combustion products are approved for bedrooms or bathrooms.
- Fireplace dampers must be removed or welded in the open position prior to the installation of a fireplace insert or gas log.
- A carbon monoxide (CO) detector is required in the same room as the appliance.

- The gas line must be installed in accordance with all local codes, if any; if not, follow ANSI 223.1 and the requirements listed below.
- The fireplace and gas control valve must be disconnected from the gas supply piping during any pressure testing of that system at test pressures in excess of 1/2 psig. For pressures under 1/2 psig, isolate the gas supply piping by closing the manual shutoff valve.
- Leak test all gas line joints and the gas control valve prior to and after starting the fireplace.

Fuel

- This fireplace is designed either for natural gas or for propane (but not for both). Check the sticker on the top of the gas control valve to make sure the correct fuel is used.

Gas Line Connection

- Installation must be performed by a qualified installer, service agency or the gas supplier (In Massachusetts a licensed plumber/gasfitter).

Gas Inlet Pressure

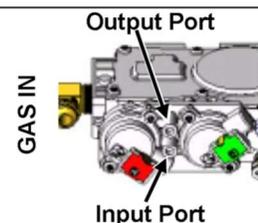
Gas Pressure	Max. Input Pressure	Min. Input Pressure	Max. Manifold Pressure	Min. Manifold Pressure
Natural Gas	7" W.C. (1.74 kPA)	4.5" W.C. (1.13 kPA)	3.46" W.C. (0.86 kPA)	1.69" W.C. (0.42 kPA)
Propane	13" W.C. (3.24 kPA)	11" W.C. (2.75 kPA)	10.41" W.C. (2.59 kPA)	2.5" W.C. (0.72 kPA)

- If the pressure is not sufficient, make sure the piping used is large enough, the supply regulator is adequately adjusted, and the total gas load for the residence does not exceed the amount supplied.
- The supply regulator (the regulator that attaches directly to the residence inlet or to the propane tank) should supply gas at the suggested input pressure listed above. Contact the local gas supplier if the regulator is at an improper pressure.

Directions for Connecting a Gas Pressure Test Gauge

The gas control valve (shown to the right) has two test ports for testing input (line pressure) and output (manifold) pressure. Loosen the brass screw on either test port and place a 5/16" i.d. rubber or plastic tube over the tapered test port. Connect the tube to the test gauge.

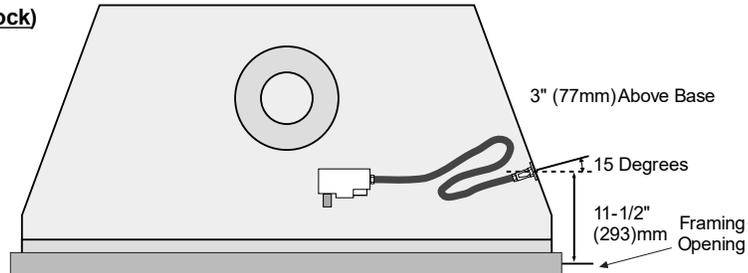
WARNING: The brass screw must be tightened after testing to prevent gas leakage.



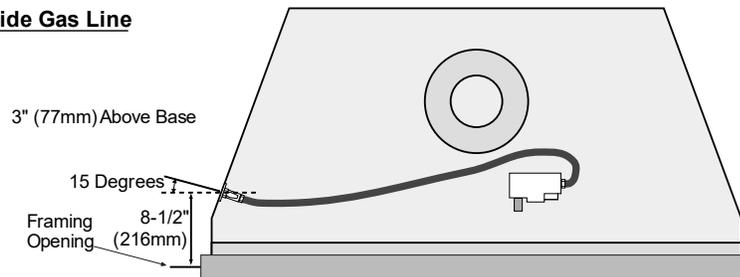
Gas Line Location

NOTE FOR RIGID PIPE: When using rigid pipe, you may wish to disconnect the shutoff valve from the fireplace and route the pipe through the fireplace wall. First, disconnect the gas line from the shutoff valve (see step 1 below). Then remove the shutoff valve from the cover plate (4 screws outside fireplace). The pipe may be routed through the cover plate and the shutoff valve and gas line may be re-attached inside the fireplace.

Right Side Gas Line (Stock)



Left Side Gas Line

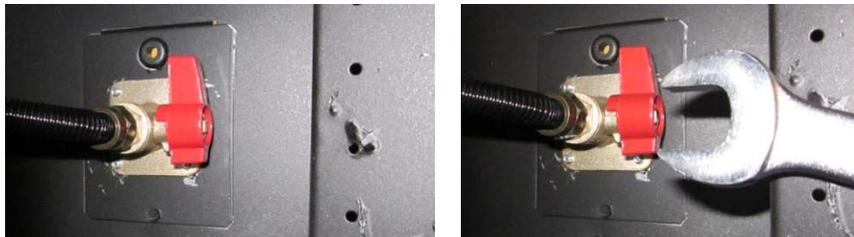


Converting Gas Line to the Left Side

ACCESSING THE AREA UNDER THE BURNER

If switching the gas line to the left side, see page 19 for accessing the area under the burner.

1. Disconnect the gas line from the shutoff valve (3/4" wrench). Gas line is located inside the fireplace on the right side.



2. Remove the screw that holds the shutoff valve plate in place (1/4" nutdriver). Remove the shutoff valve plate.



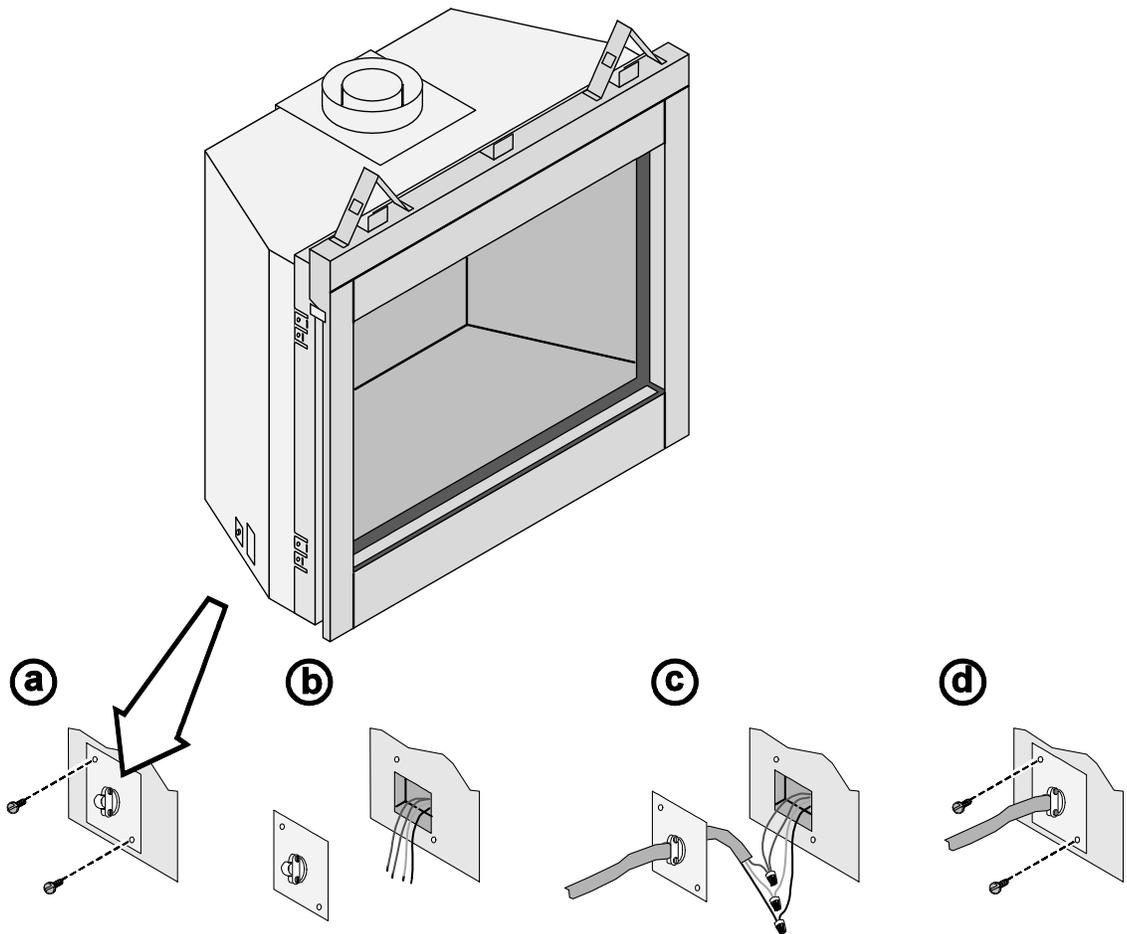
3. Remove the cover plate from the left side of the fireplace (it is held in place in the same fashion as the shutoff valve plate). Attach it to the right side of the fireplace.
4. Attach the shutoff valve plate to the left side of the fireplace. Route the gas line to the left side and re-attach the gas line to the shutoff valve. Make sure to leak test the entire gas line.

18 Finalizing the Installation (for qualified installers only)

Electrical Connection (required)

- The electrical line to the grounded receptacle inside the fireplace must be installed by a qualified installer and must meet all local codes.
- Make sure the household breaker is shut off prior to working on any electrical lines.
- The appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70, or the Canadian Electrical Code, CSA C22.1.
- The electrical line must be a min. 14 gauge, and supply 240 Volts at 50 Hz (1.5 Amps).

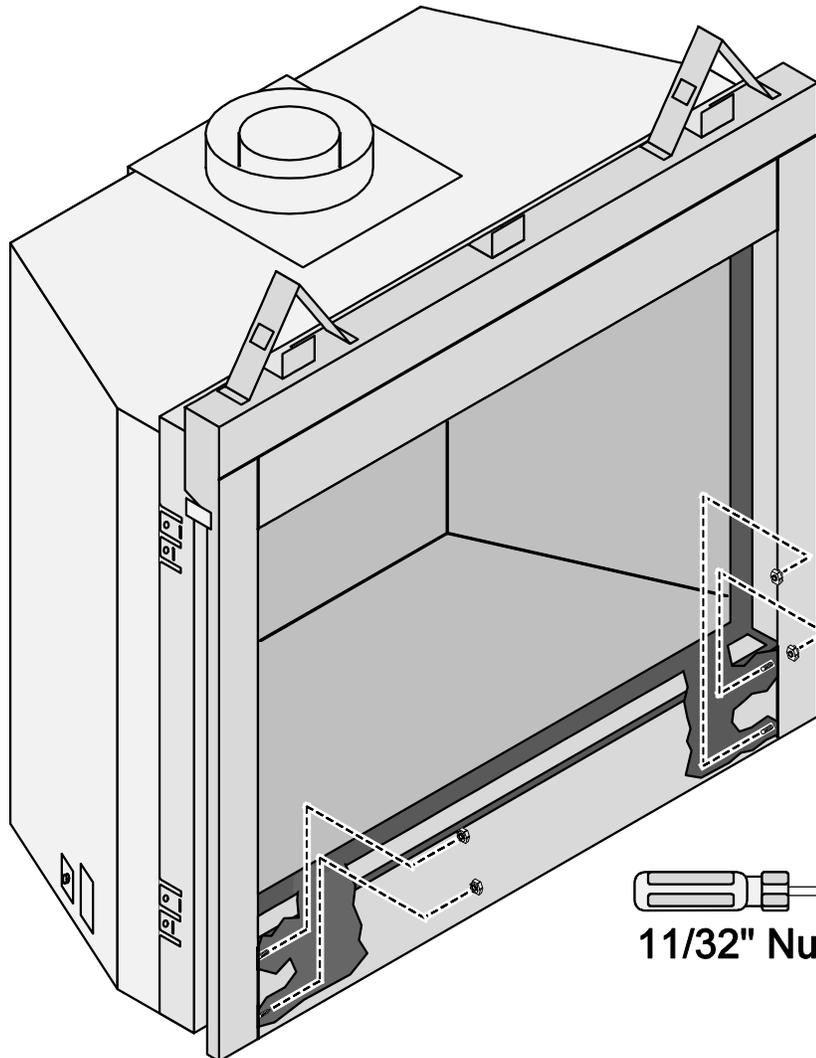
Caution: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.



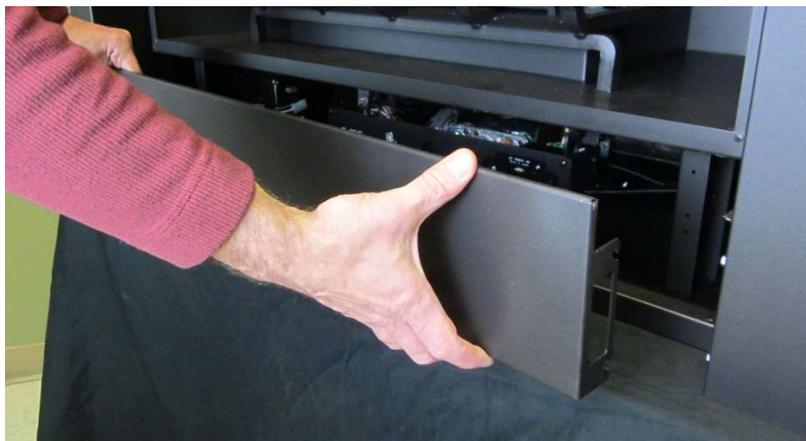
Accessing the Area Under the Burner

The lower panel may be removed to access components. This is required when relocating the electrical or gas inlet location or installing the LP regulator.

- (a) **Loosen** the four nuts.
- (b) Lift the panel up, rotate it forward and remove.




11/32" Nutdriver



20 Finalizing the Installation (for qualified installers only)

Vent Requirements

- The gas appliance and vent system must be vented directly to the outside of the building, and never be attached to a chimney serving a separate solid fuel or gas-burning appliance. Each direct vent gas appliance must use its own separate vent system.
- In addition to the requirements listed here, follow the requirements provided with the vent.
- A wall thimble is required whenever the vent penetrates a wall (sku# 250-05641). A thimble or firestop (1" clearance) is required when passing through a floor or ceiling (passes through framing members).
- Always use the high-wind termination (if available from the vent manufacturer).

Drafting Performance

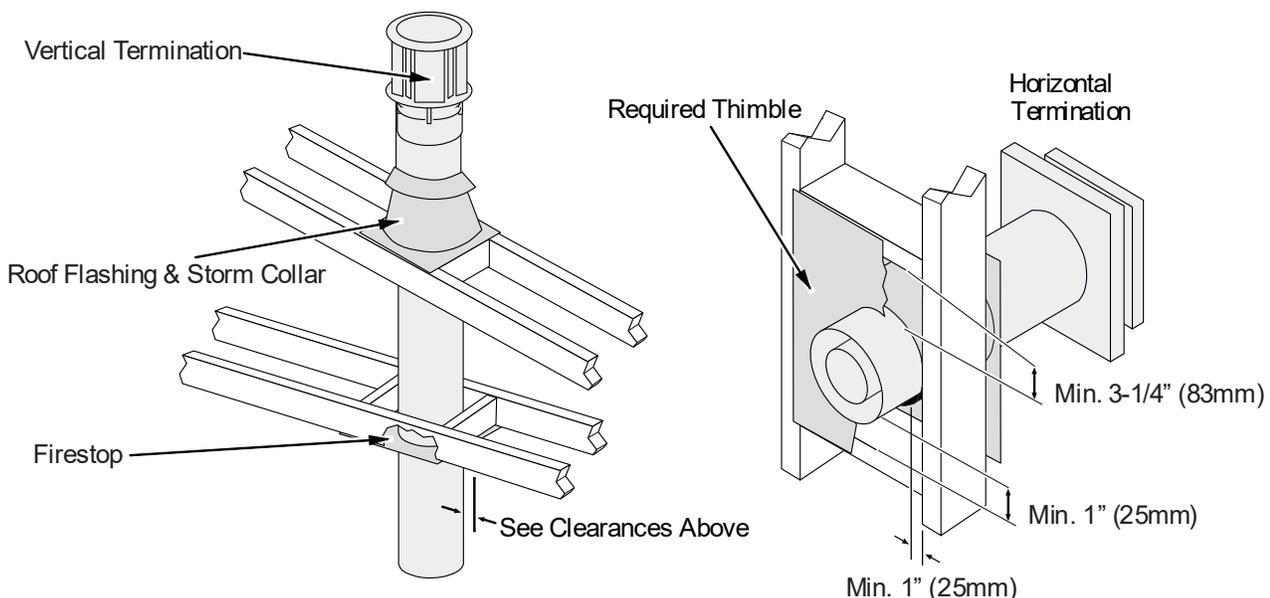
This direct vent appliance requires natural draft to operate (similar to a wood stove or other heating appliance). Draft can be adjusted using the included restrictor. The restrictor settings detailed in the manual should be followed (variations may occur depending upon installation parameters).

Many factors may negatively influence the draft of the appliance. Travis Industries will not be responsible for improper draft due to factors such as trees, hills, buildings, obstructions, excessive wind, extreme hot or cold outdoor temperatures, restrictive vent terminations, or influence from mechanical systems.

Vent Clearances

- The vent must maintain the required clearance to combustible materials to prevent a fire. Do not fill air spaces with insulation.

Sides	1" (25mm)
Above	3-1/4" (83mm)
Below Horizontal or 45° Section	1" (25mm)

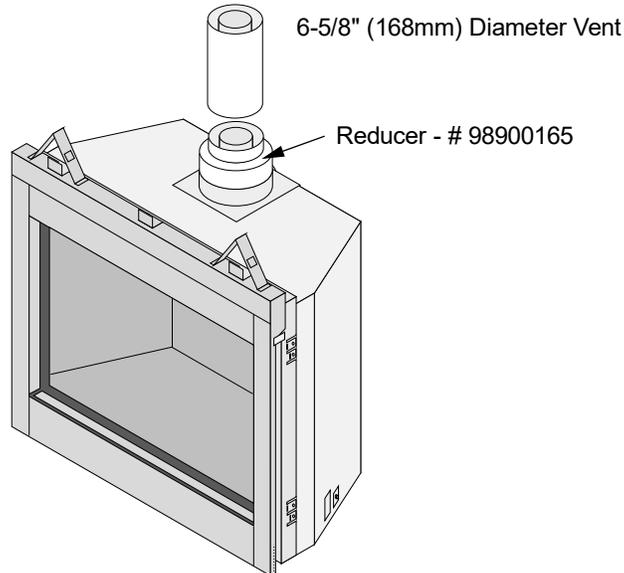


Altitude Considerations

- This heater has been tested at altitudes ranging from sea level to 6,000 feet (1800M). In this testing we have found that the heater, with its standard orifice, burns correctly with just an air shutter adjustment.
- Failure to adjust the air shutter properly may lead to improper combustion which can create a safety hazard. Consult your dealer or installer if you suspect an improperly adjusted air shutter.

Approved Vent

- **Horizontal Terminations:** use 8" (203mm) diameter Dura-Vent Model Direct-Vent Pro*.
- **Vertical Terminations with elbows:** use 8" (203mm) diameter Dura-Vent Model Direct-Vent Pro*.
- **Vertical Terminations with no elbows:** Use 6-5/8" (168mm) diameter Dura-Vent Direct-Vent Pro*. Attach the 8" (203mm) to 6-5/8" (168mm) reducer (Travis part # 98900165) to the fireplace.



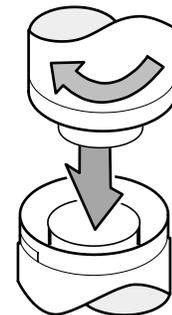
* Other vent may be approved with this fireplace. Check with the vent manufacturer for details.

Termination

- Always use the high-wind cap (part # 58DVA-HC, 58DVA-VCH, 46DVA-VCH).

Vent Installation

- Installation instructions for Dura-Vent may be found at www.duravent.com
- Slide the vent sections together and turn 1/4 turn until the sections lock in place.
- Screws are not required to secure the vent. However, three screws may be used to secure vent sections together if desired.
- High temperature sealant is recommended at the appliance starter section connection (use high-temperature silicone or Mill-Pac®).
- If disassembly is required, at time of re-assembly check to see if the vent creates a tight fit. If it does not, apply high temperature sealant to the joints of the affected sections.
- Horizontal sections require a 1/4" (6mm) rise every 12" (305mm) of travel
- Horizontal sections require non-combustible support every three feet (e.g.: plumbing tape)



22 Finalizing the Installation (for qualified installers only)

Approved Vent Configurations

Restrictor Position

- Intake and exhaust restrictors are built into the appliance to adjust the flow rate of intake air and exhaust gases. Depending upon the vent configuration, you may be required to adjust the restrictor positions. The charts for acceptable vent configurations detail the correct vent restrictor positions.

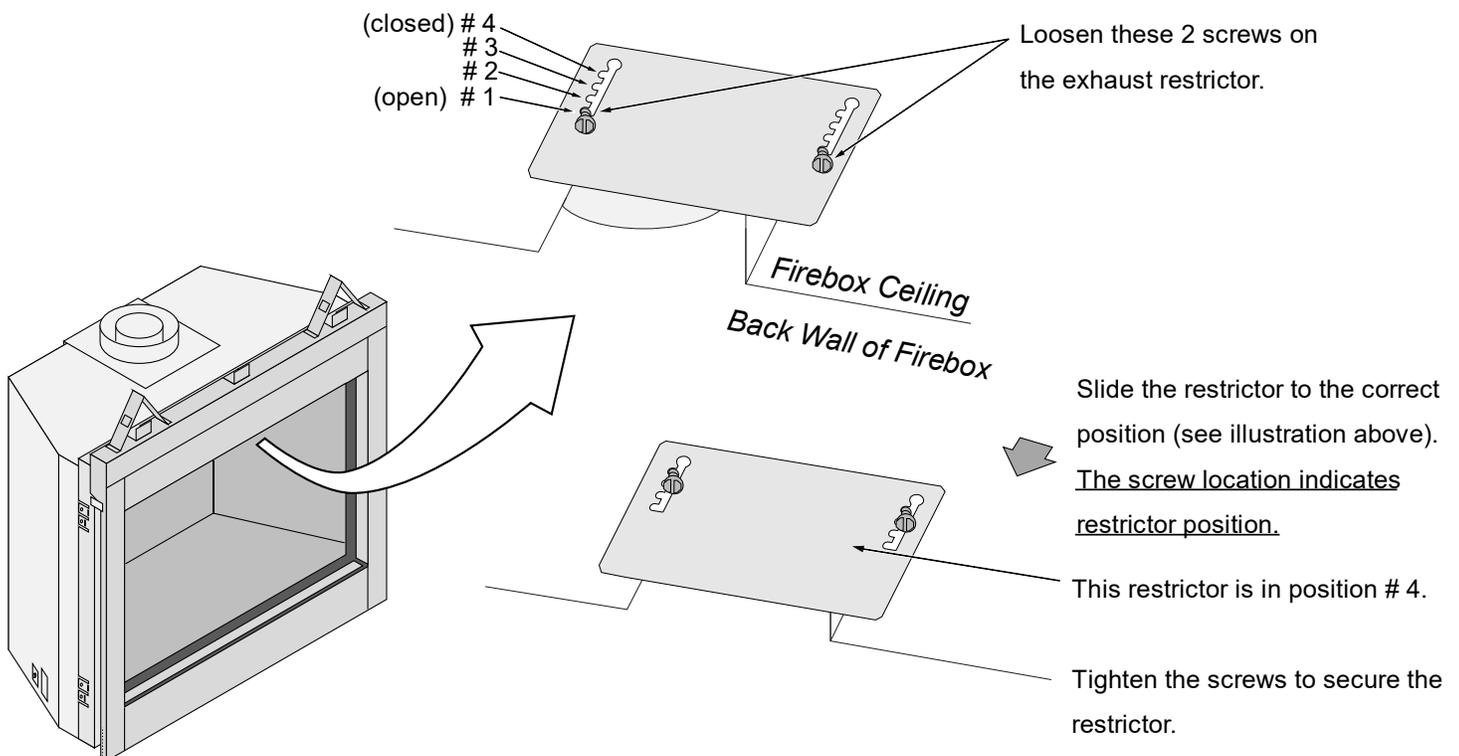
Exhaust Restrictor Adjustment

NOTE: This restrictor will be shipped in the hardware pack and only be installed for vent runs with 10' or more vertical rise.



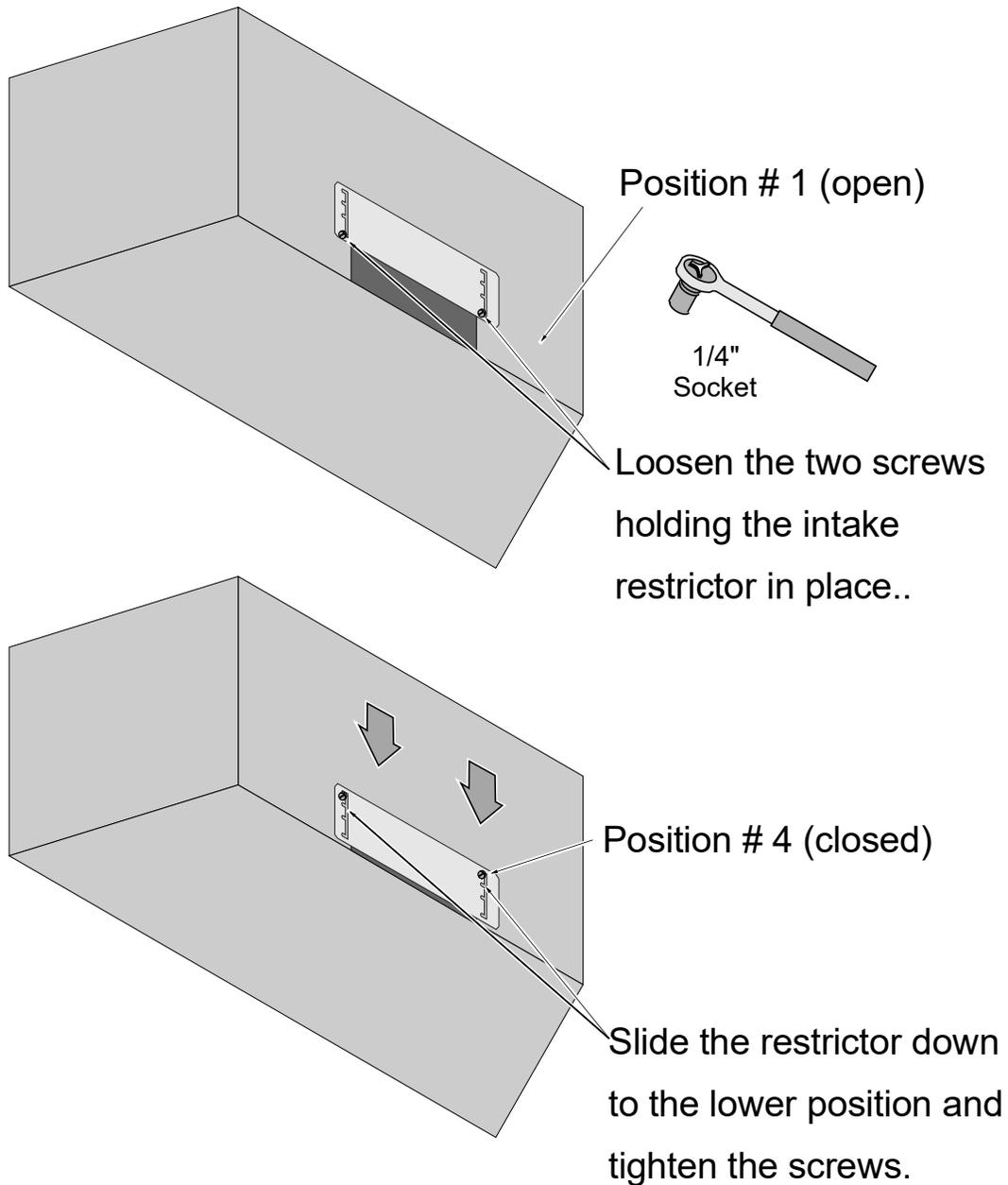
If the diffuser is required to be in position #2, you may wish to adjust the diffuser while the exhaust restrictor is removed.

NOTE: If removing the restrictor, make sure to replace the screws in the firebox ceiling.



Intake Restrictor Adjustment

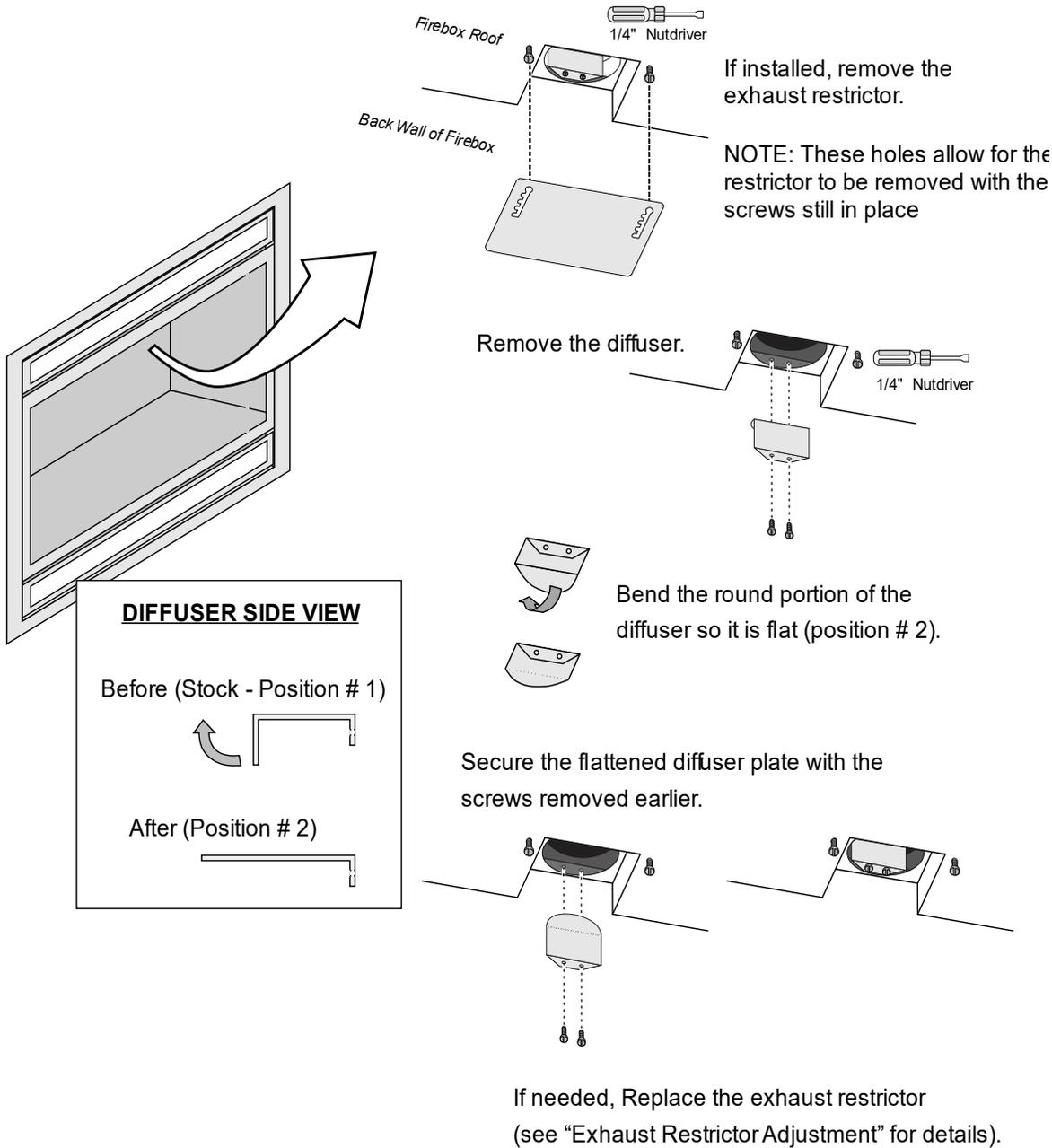
The intake restrictor is located on the back wall of the firebox. To adjust the restrictor, follow the steps below:



24 Finalizing the Installation (for qualified installers only)

Diffuser Plate Adjustment

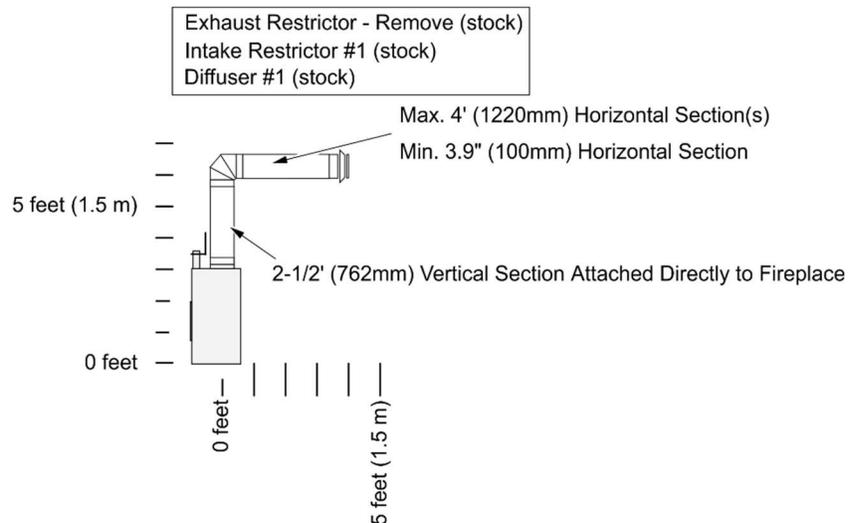
Certain vent configurations require the diffuser plate to be adjusted (refer to the approved vent configuration charts for details). Position # 1 is stock (bent). Position # 2 is flattened. See the directions below to change the diffuser to position #2.



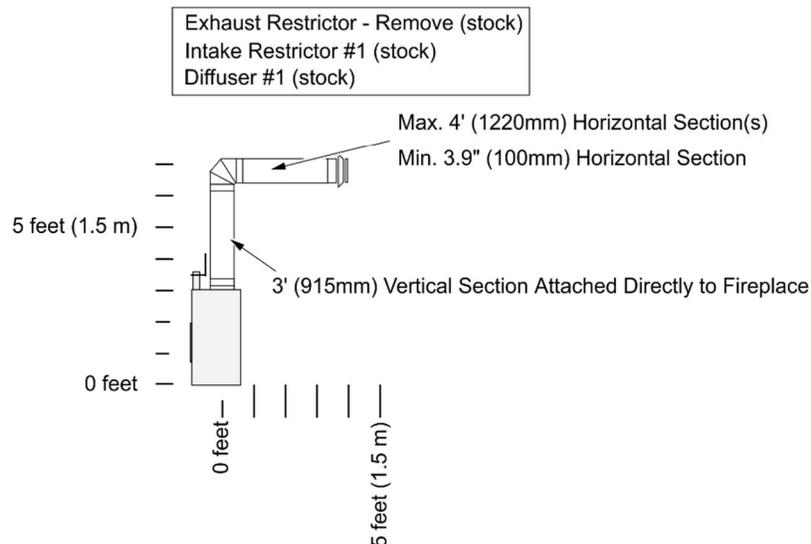
Minimum Vent Configuration

- **Use 5x8" Diameter Coaxial Vent**
- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor and diffuser positions.
- One 45° elbow may be used on the horizontal run.
- **HINT:** Use minimum vent kit "H" (96200332) from Travis Ind. (additional vent may be required).

NG (Natural Gas)



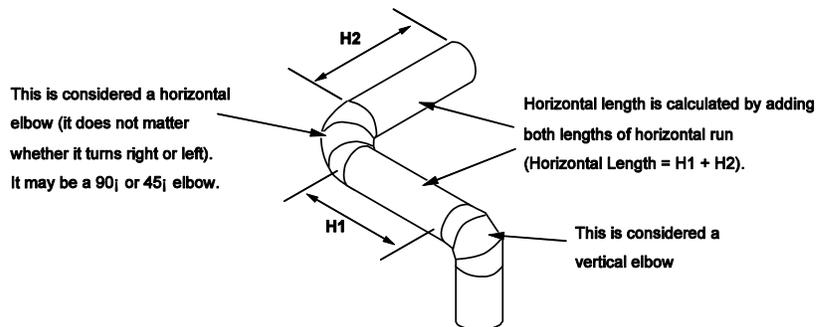
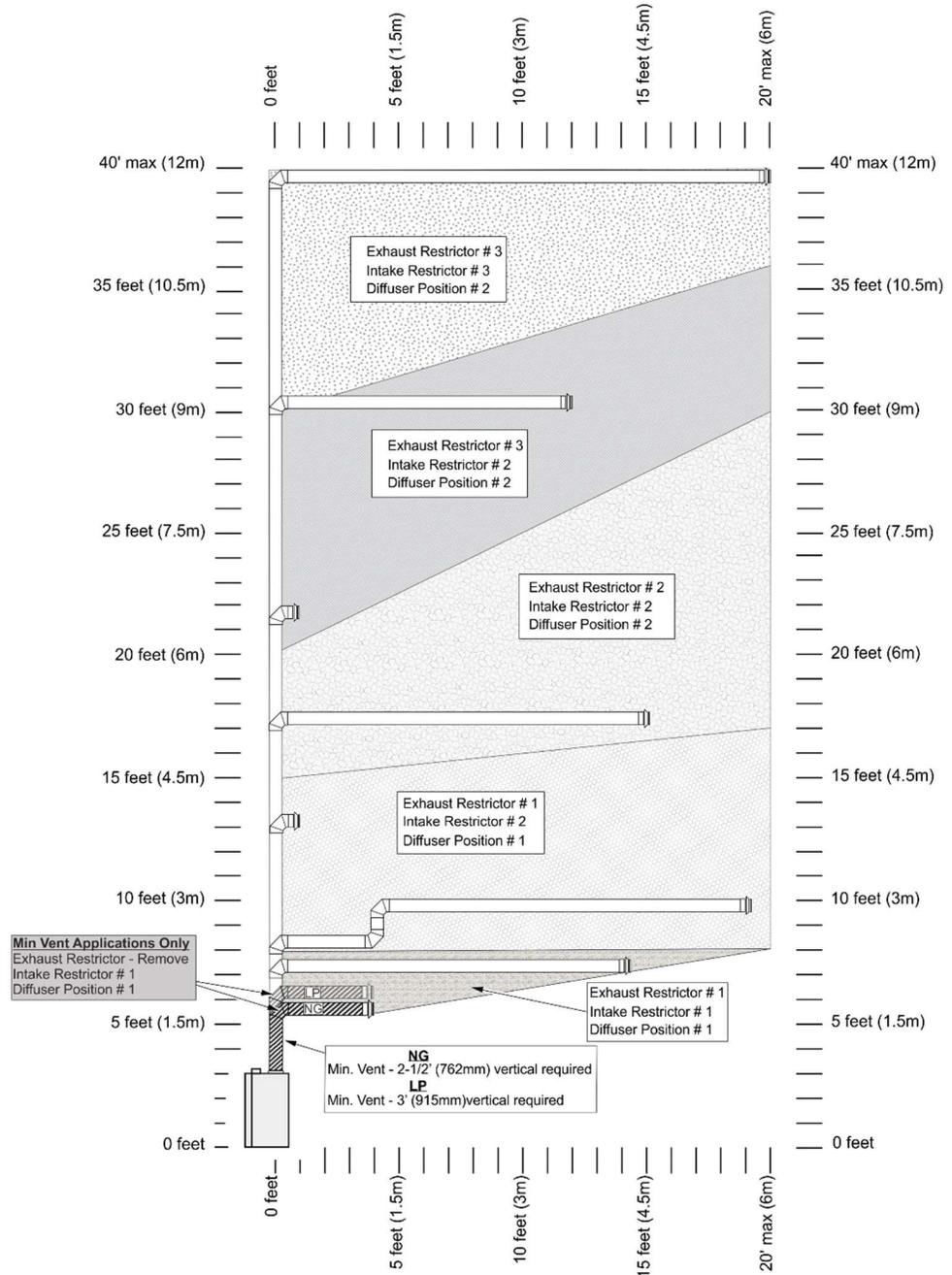
LP (Propane)



26 Finalizing the Installation (for qualified installers only)

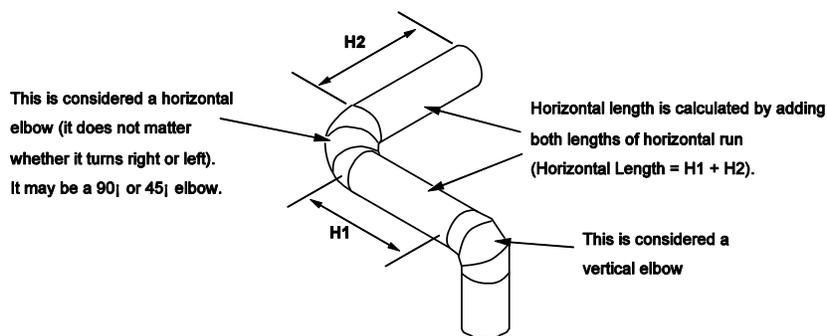
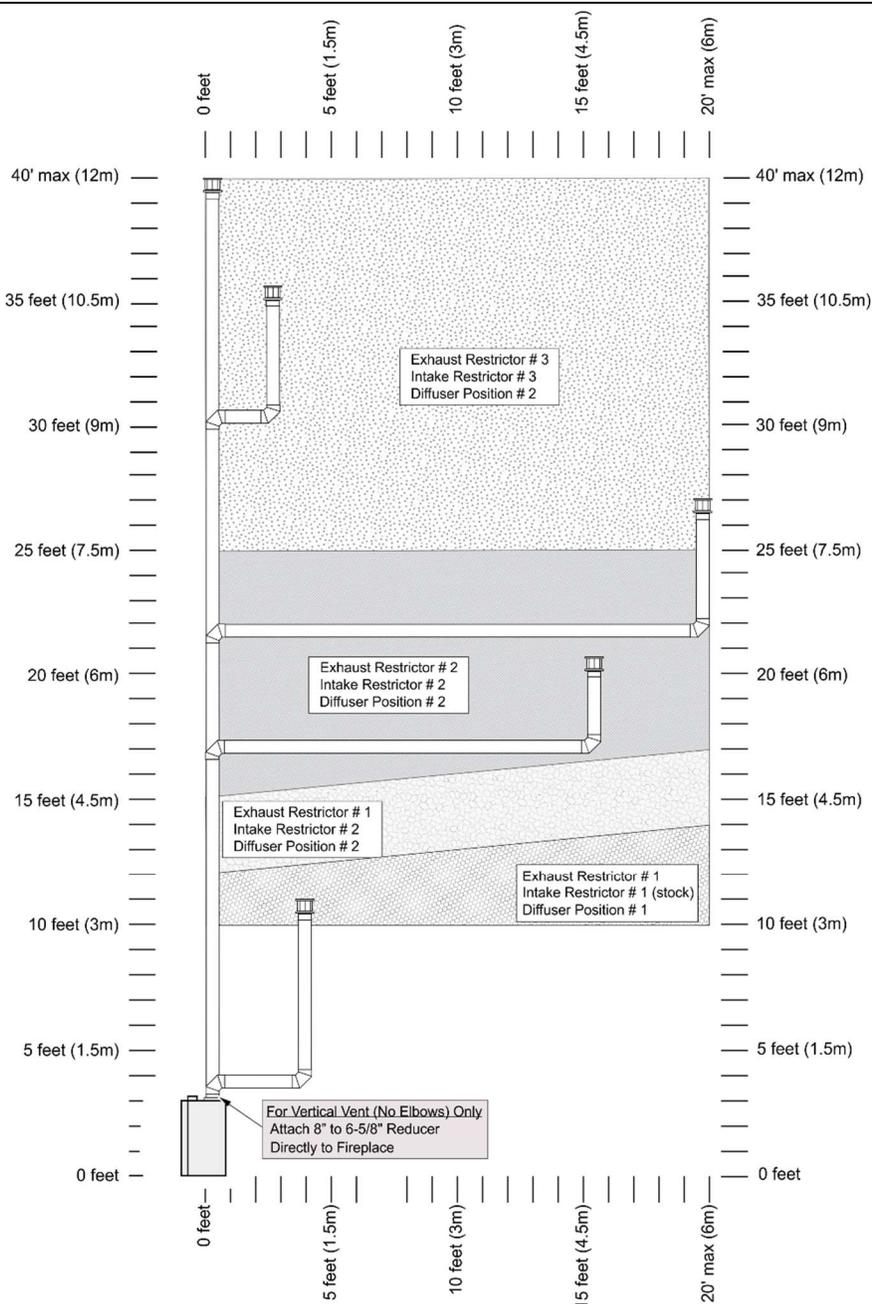
Top Vent Configuration with Horizontal Termination

- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor and diffuser positions.
- Up to four elbows (45° or 90°) may be used.
- Use 8" vent.
- Only one horizontal elbow may be used.



Top Vent Configuration with Vertical Termination

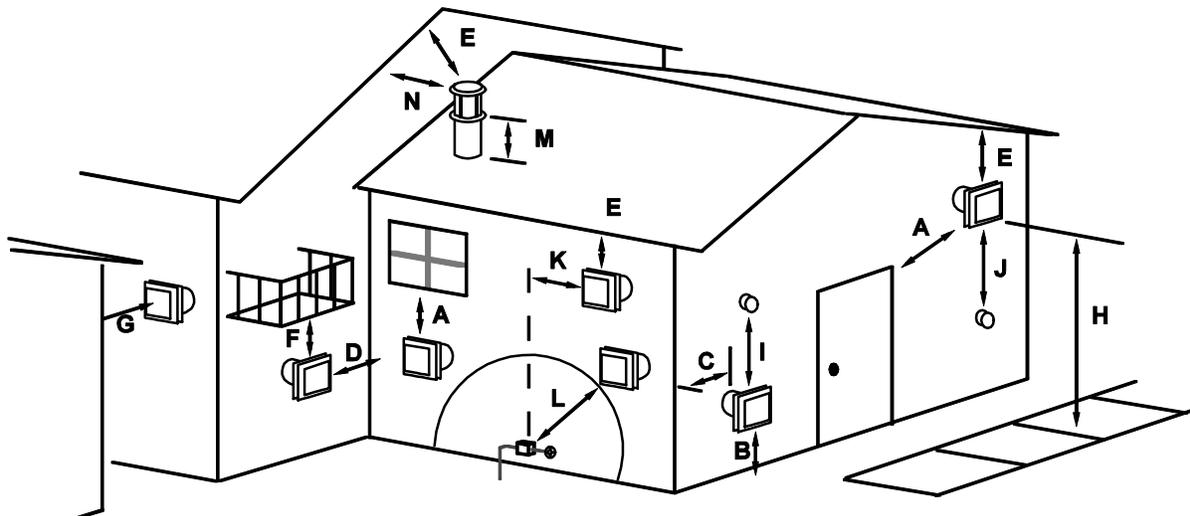
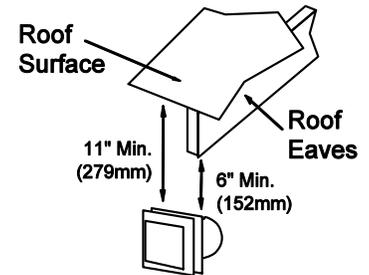
- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor and diffuser positions.
- Up to four elbows (45° or 90°) may be used.
- Only one horizontal elbow may be used.
- For all vent configurations that use elbows **only use 8" vent**.
- For a straight vertical vent configuration (no elbows) **use 6-5/8" diameter vent**. Attach the 8" to 6-5/8" reducer (Travis part# 98900165) to the fireplace.



28 Finalizing the Installation (for qualified installers only)

Termination Requirements

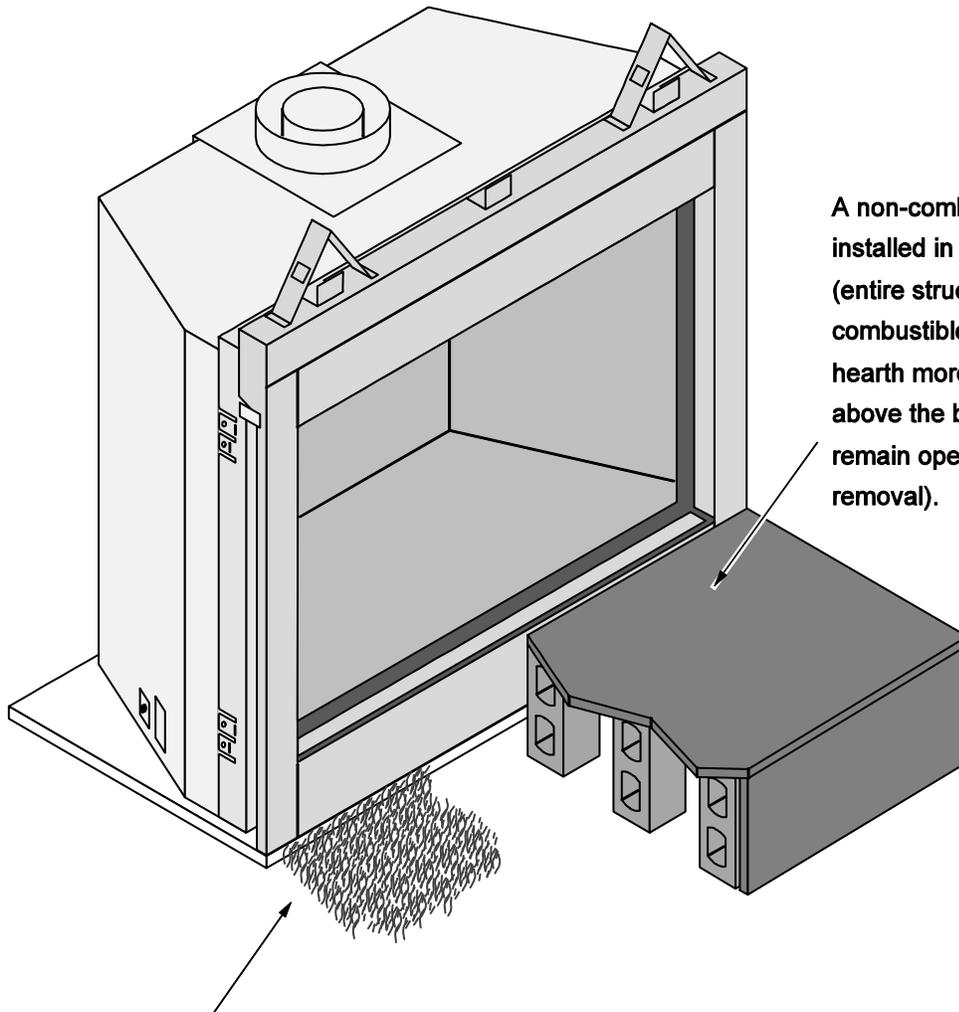
- !** Venting terminals shall not be recessed into a wall or siding.
- A Minimum 9" (229mm) clearance from any door or window
- B Minimum 12" (305mm) above any grade, veranda, porch, deck or balcony
- C Minimum 1" (25mm) from outside corner walls
NOTE: Clearance in accordance with local installation codes and the requirements of the gas supplier.
- D Minimum 1" (25mm) from inside corner walls
NOTE: Clearance in accordance with local installation codes and the requirements of the gas supplier.
- E Minimum 11" (279mm) clearance below unventilated soffits or roof surfaces
Minimum 18" (457mm) clearance below ventilated soffits
Minimum 6" (152mm) clearance below roof eaves
NOTE: Vinyl surfaces require 24" (610mm)
NOTE: Clearance in accordance with local installation codes and the requirements of the gas supplier.
- F Minimum 12" (305mm) clearance below a veranda, porch, deck or balcony
NOTE: Permitted only if veranda, porch, deck, or balcony is fully open on a minimum of two sides beneath the floor.
NOTE: Clearance in accordance with local installation codes and the requirements of the gas supplier.
- G Minimum 48" (1219mm) clearance from any adjacent building
- H Minimum 84" (2134mm) clearance above any grade when adjacent to public walkways or driveways
NOTE: may not be used over a walkway or driveway shared by an adjacent building
- I Minimum 9" (229mm) clearance to any non-mechanical air supply inlet to the building or the combustion air inlet to any other appliance.
- J Minimum 36" (914mm) clearance above any mechanical air supply inlet if within 10' (3M) horizontally
- K Minimum 36" (914mm) from the area above the meter/regulator (vent outlet) - this extends 15' (4.5M) above the regulator
NOTE: Clearance in accordance with local installation codes and the requirements of the gas supplier.
- L Minimum 36" (914mm) from the meter/regulator (vent outlet)
NOTE: Clearance in accordance with local installation codes and the requirements of the gas supplier.
- M Minimum 12" (305mm) above the roof line (for vertical terminations)
- N Minimum 24" (610mm) horizontal clearance to any surface (such as an exterior wall) – for vertical terminations



NOTE: Measure clearances to the nearest edge of the exhaust hood.

- Use the vinyl siding standoff when installing on an exterior with vinyl siding.
- Vent termination must not be located where it will become plugged by snow or other material

Hearth Requirements



A non-combustible hearth may be installed in front of the fireplace (entire structure must be non-combustible). Do not build the hearth more than 5.75" (147mm) above the baseplate (this area must remain open for screen and glass removal).

If installed near carpet or other combustible flooring, the fireplace must be raised so the base of the unit is above the carpet surface or flooring material.

WARNING:

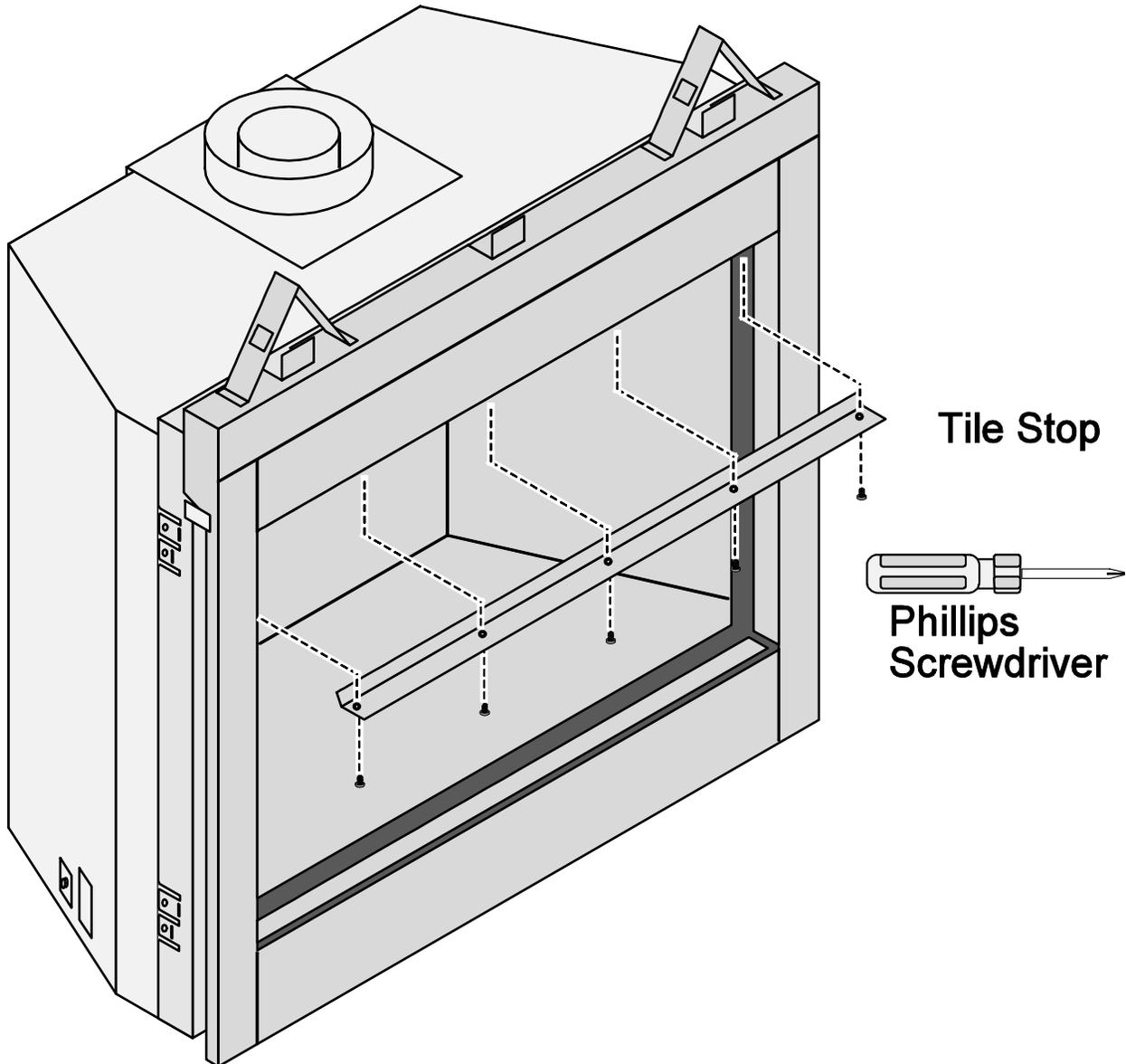
A non-combustible hearth is not required. However, if the heater is installed next to the floor, we recommend a hearth to protect the flooring surface from discoloration or other negative impact from the heater.

30 Finalizing the Installation (for qualified installers only)

Optional Tile Stop Removal

- This fireplace includes an optional tile stop above the glass frame. It is typically removed if the front of the fireplace is left exposed. If using tile or other non-combustible facing over the front of the fireplace, the tile stop is left in place to help support the facing. See the illustration below for details on removal.

After removing the tile stop, make sure to replace the screws.



Facing Requirements

- The front of fireplace may be left uncovered (see “a” below).

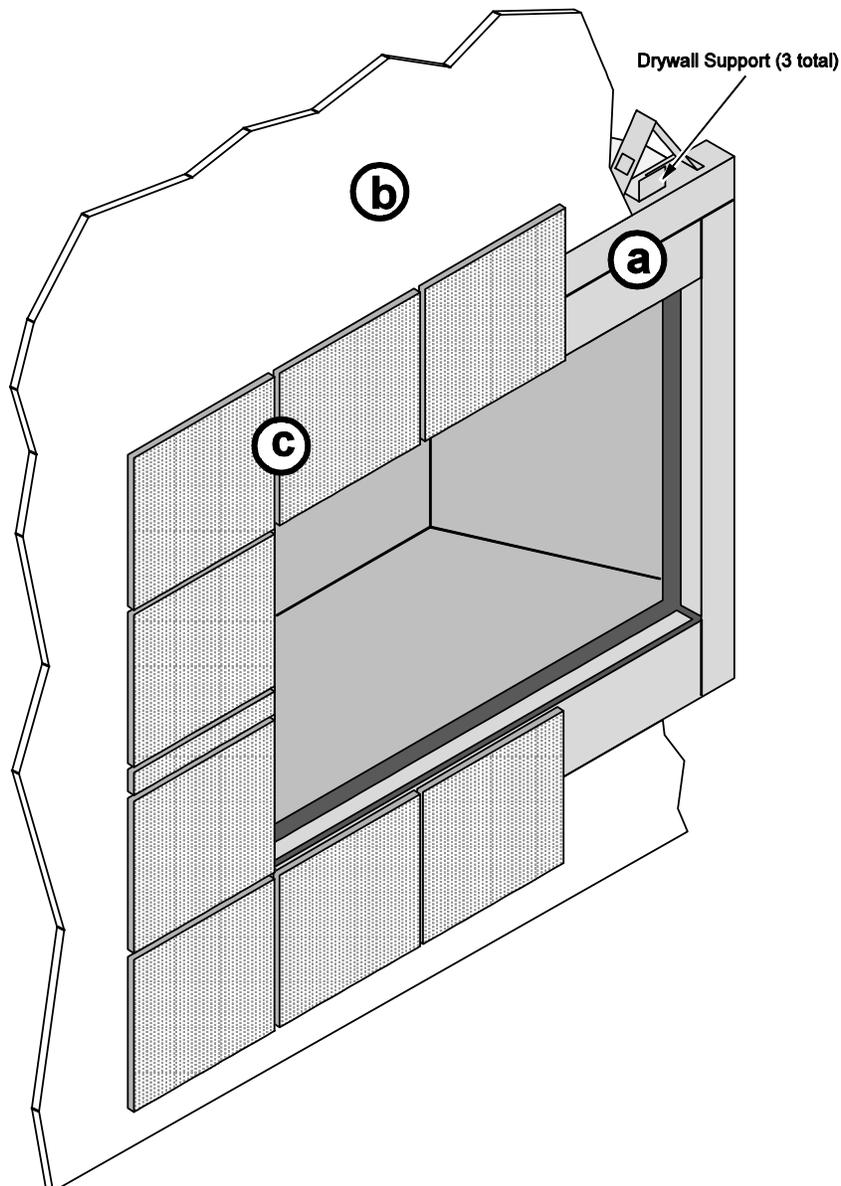
NOTE: A custom trim will be required to fill the gap between the wall sheeting and fireplace if finishing in this manner.

- Drywall (or other combustible) may be placed above, below, and to the sides of the fireplace (not over the front of the fireplace (see “b” below).
- Tile or other non-combustible facing may be placed along the front of the fireplace around the perimeter of the glass opening (see “c” below). Typical installations use 12” (305mm) or greater of non-combustible facing around the perimeter of the glass opening. Do not install facing over the ledge to the glass opening.



WARNING: Do not use adhesive to secure the facing. The high temperatures of the fireplace may cause adhesives to emit odors. Use mastic or thin set (or other non-combustible, non-odorous adherent) to attach the facing.

NOTE: Screws may be used to secure cement board or tile backer to the fireplace. Do not penetrate the fireplace more than 1/2” (13mm).

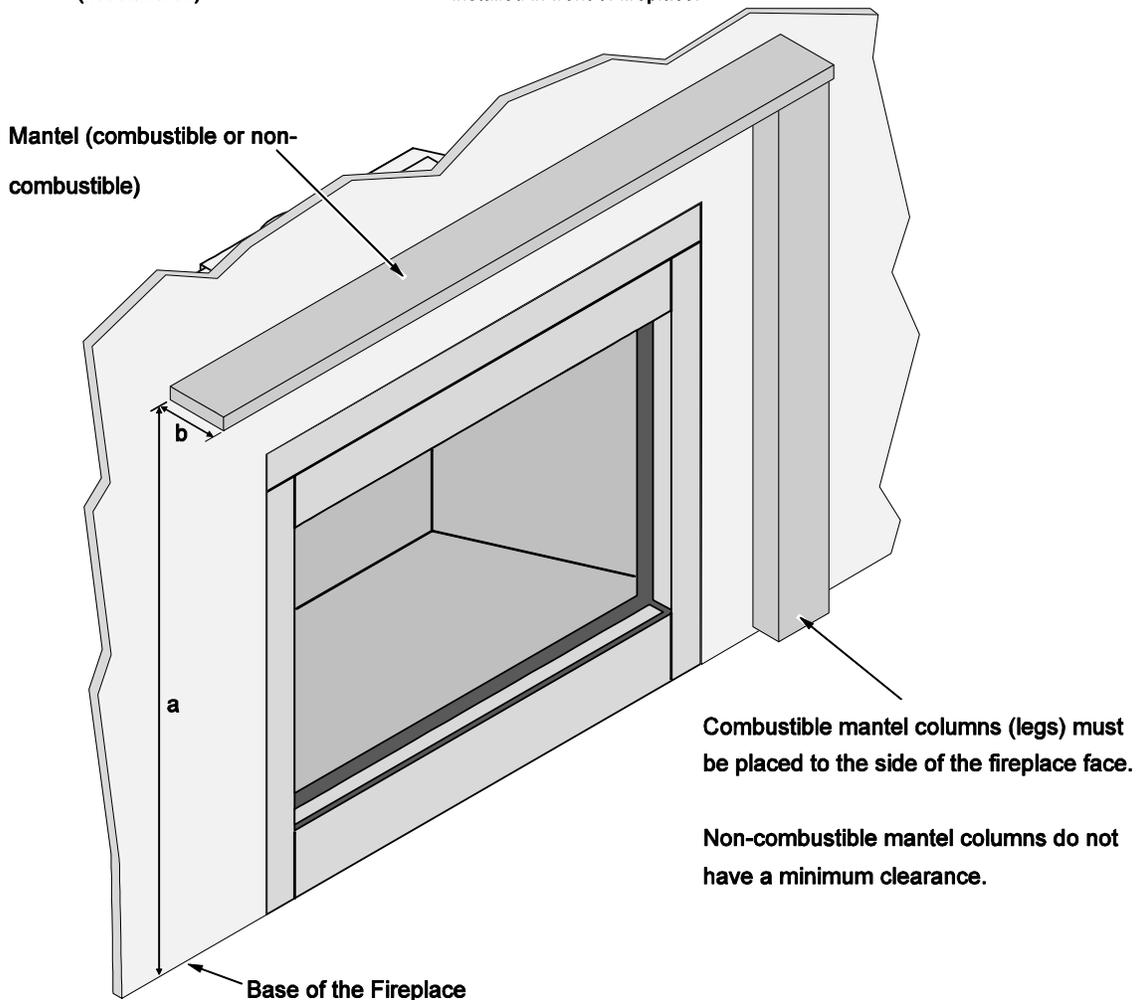
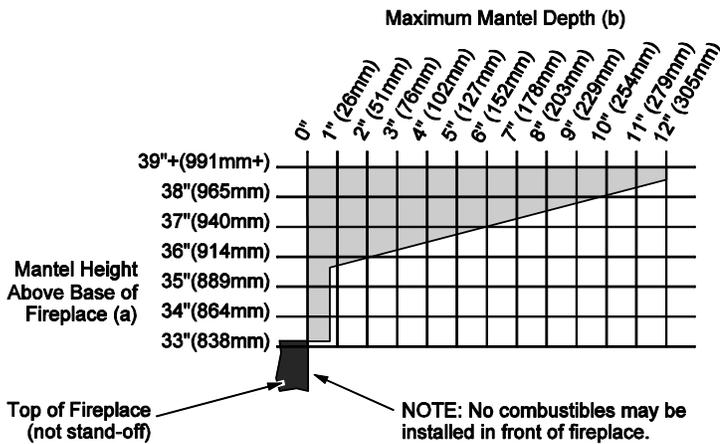


32 Finalizing the Installation (for qualified installers only)

Mantel Requirements

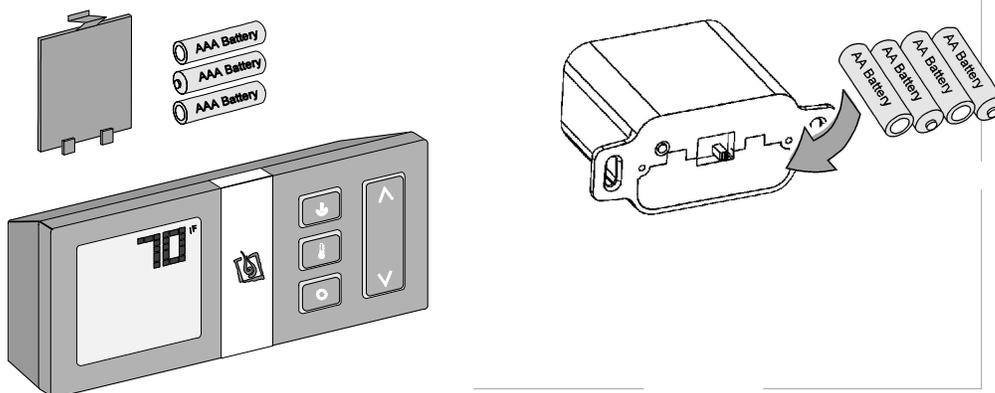
Combustible Mantels

- Use the table below to determine the maximum mantel depth allowed. The mantel depth (measured from the face of the fireplace) must fall in the shaded portion of the table.
- Any material that protrudes more than 3/4" (19mm) from the non-combustible facing is considered a mantel and must meet the mantel requirements.



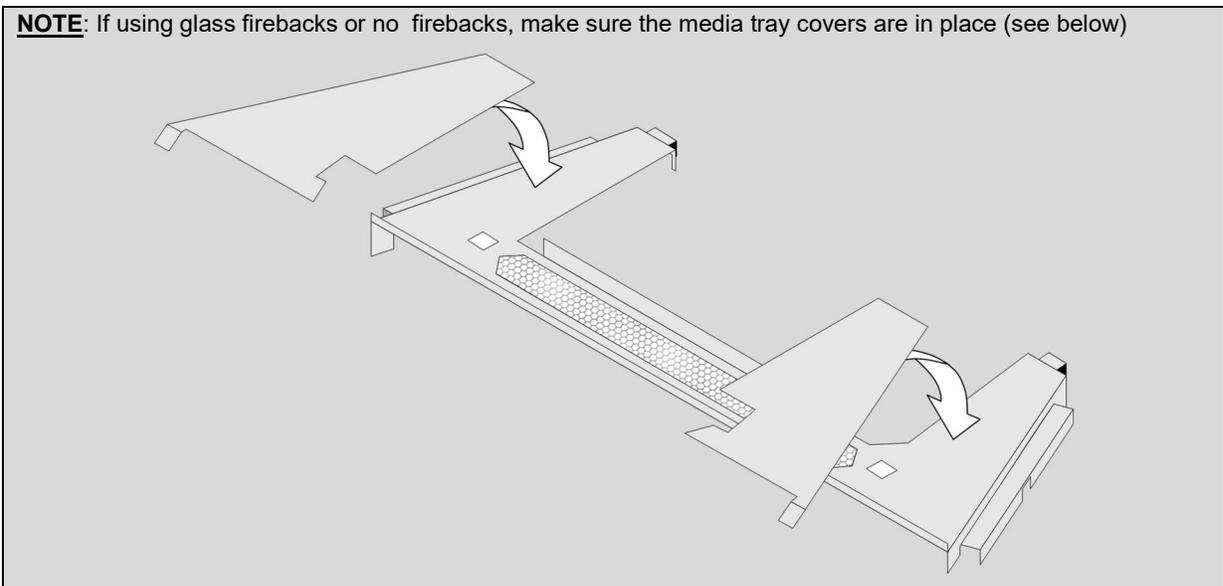
Steps for Finalizing the Installation

1. Remove the glass (see page 35).
NOTE: If using propane (LP) convert the appliance prior to installing the logs.
2. We recommend you purge the gas line at this time (with the glass removed). This allows gas to be detected once it enters the firebox, ensuring gas does not build up.
3. Install the four AA batteries (see illustration below). The AA batteries act as a power backup in case the household (AC) power goes out and are required for operation. Install three AAA batteries into the remote (see illustration below). Synchronize the transmitter to the IFC.



4. Install the firebacks (if applicable -see page 51).

NOTE: If using glass firebacks or no firebacks, make sure the media tray covers are in place (see below)



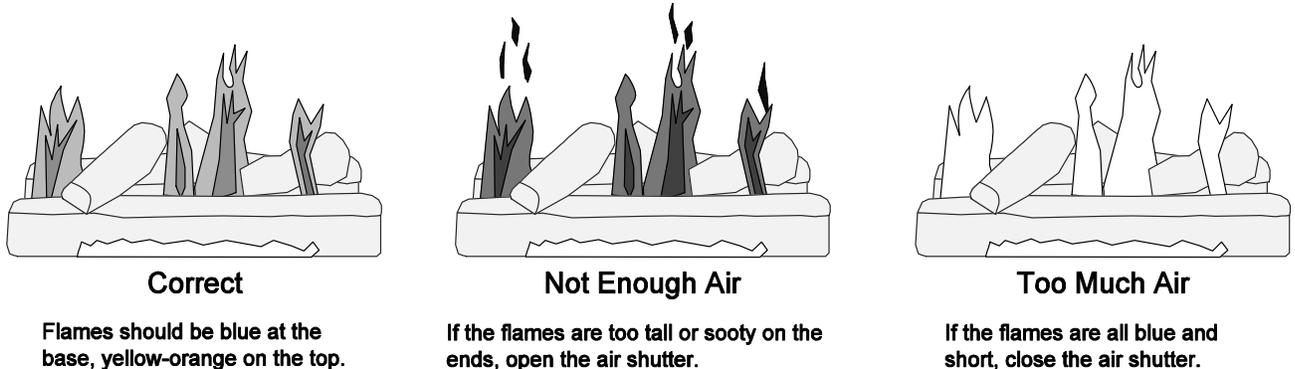
5. Install the ember chunks and ember bed glass (see page 38)
6. Install the logs (see page 40).
7. Replace the glass.
8. Start the heater.
9. Leak test all gas joints.

34 Finalizing the Installation (for qualified installers only)

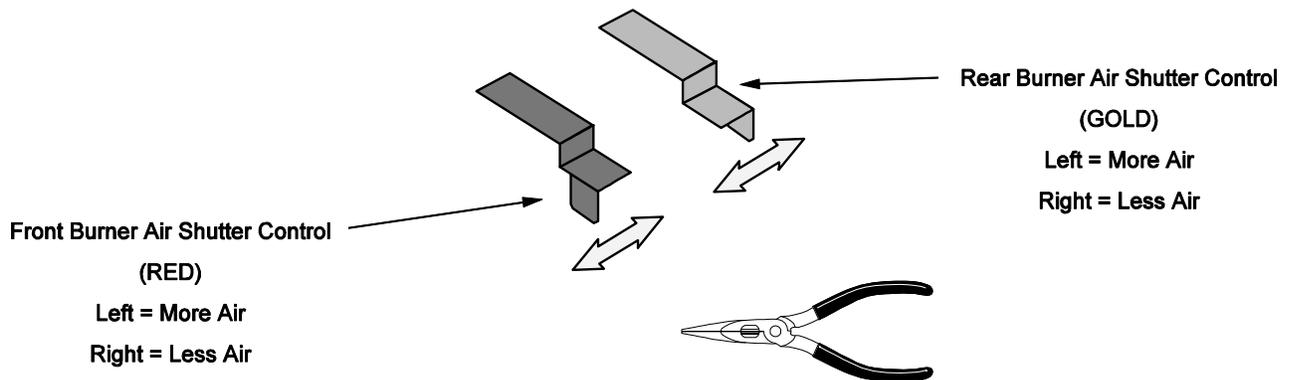
10. Check the air shutter following the directions below.

Air Shutter Adjustment

Let the heater burn for fifteen minutes (make sure the logs and glass are in place). The flames should be yellow with no sooting. Adjust the air shutter, if necessary, to achieve the correct looking flame.



Air Shutter Adjustment



NOTE: you may wish to use pliers to adjust the front air shutter. Typically, the front air shutter is fully closed on NG, fully open on LP.

11. Turn the flame adjust knob to its highest position - the flames should not contact the top of the firebox. Check the flame on low position. The flames should burn off of each burner hole. If the heater does not work correctly, contact your Travis dealer for a remedy.
12. Give this manual to the home owner for future reference and fully explain operation of this heater. For comprehensive operating and maintenance instructions, refer to the Owner's Manual

ACID WASH WARNING: Before installing the faceplate, make sure any masonry that has been treated with acid wash has been properly neutralized (this is used primarily with brick faces). Acid wash (muriatic acid) is used to remove excess mortar. If not properly neutralized with an ammonia solution, the plated face may develop a permanent tarnish when the acid evaporates over time. Contact your dealer if uncertain your facing has been properly neutralized.

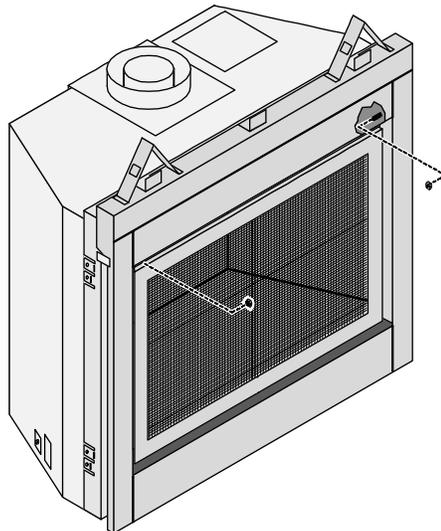
Barrier Removal



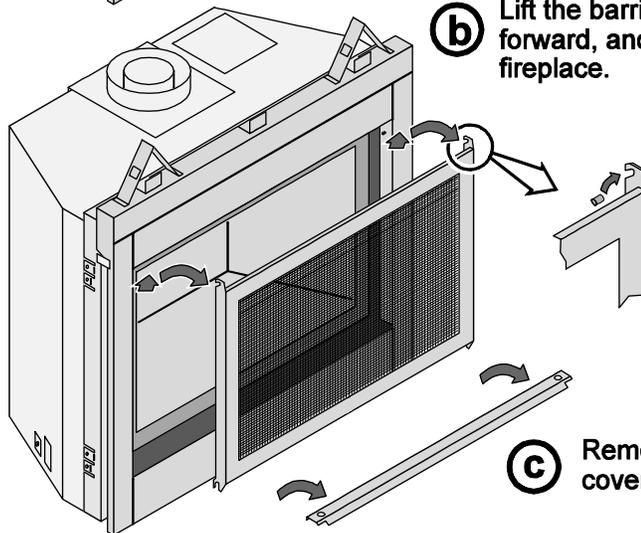
A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and shall be installed for the protection of children and other at-risk individuals.



If the barrier becomes damaged, the barrier shall be replaced with the manufacturer's barrier for this appliance.



a Remove and discard the two nuts used to secure the barrier during shipping.

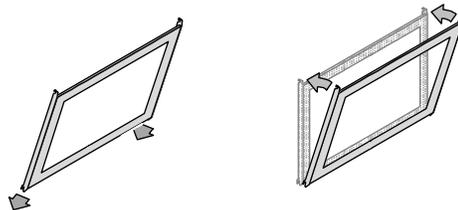


b Lift the barrier up, pivot the top forward, and remove from the fireplace.

c Remove the concealment cover.



HINT FOR REPLACING THE BARRIER: Hold the barrier at an angle and insert the bottom slots first. Then pivot the barrier forward to engage the top hooks.



36 Finalizing the Installation (for qualified installers only)

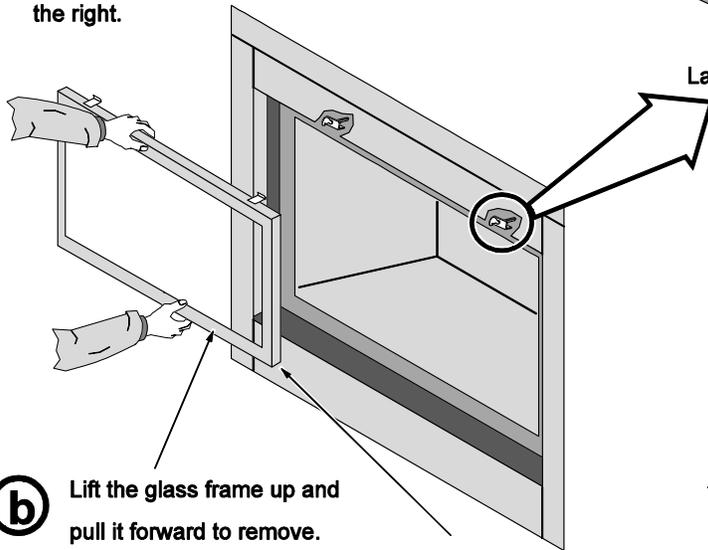
Glass Frame Removal and Installation

Warning: The appliance must be completely cool before removing the glass.

Warning: Do not strike or slam the glass.

Note: Remove the barrier before removing the glass (see previous page). Replace barrier after replacing the glass.

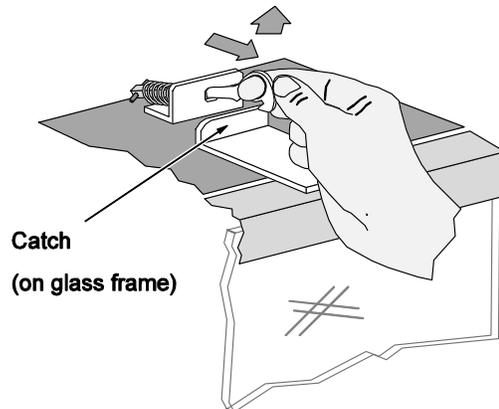
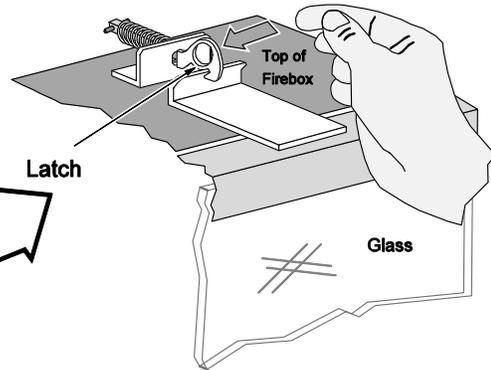
- a** Open the four latches holding the glass frame in place (start with the bottom two) - follow the directions shown to the right.



- b** Lift the glass frame up and pull it forward to remove.

NOTE:

You may need to lift the glass frame while re-attaching.



Re-Attaching the Glass Frame:

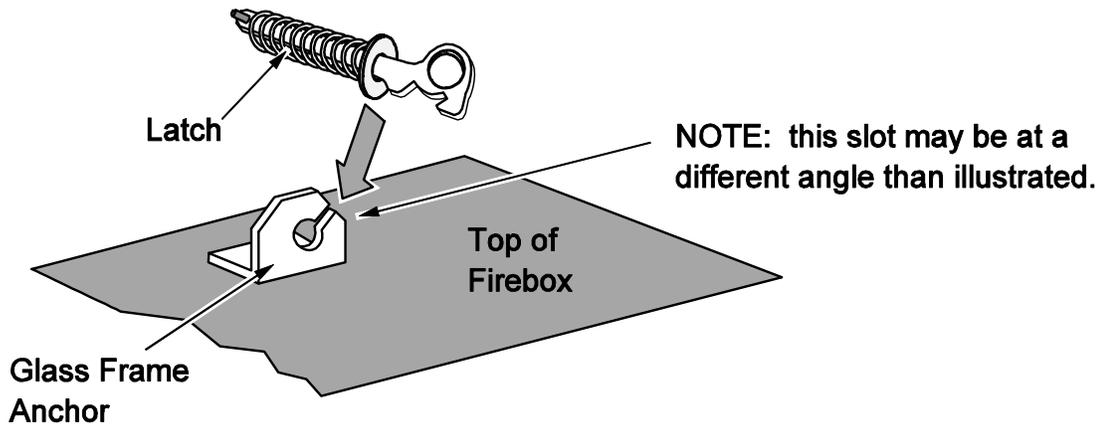
- Hang the glass frame on the firebox.
- While holding in place, attach the upper latches (follow the instructions above in reverse).
- Lift the glass frame slightly and attach the lower latches.

NOTE: Make sure the glass frame is all the way in place - it should be flush with

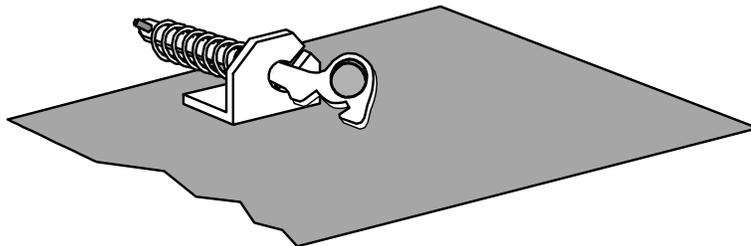
Glass Frame Removal and Installation (continued)

The latch can come loose from glass frame anchor. This occurs when it is turned 1/4 turn when it is disengaged. Follow the directions below to re-install the latch if it becomes loose.

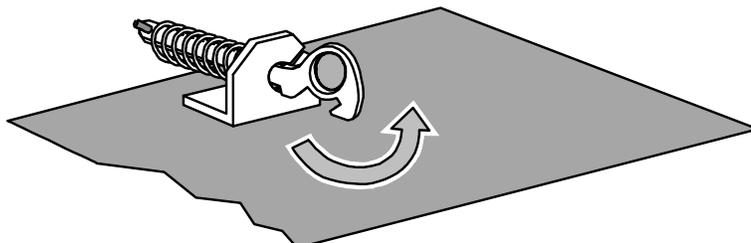
Hold the latch at an angle and insert it into the slot on the glass frame anchor.



Note how the washer on the latch fits behind the flange on the glass frame anchor.



Once fully inserted, turn the latch until it is upright.

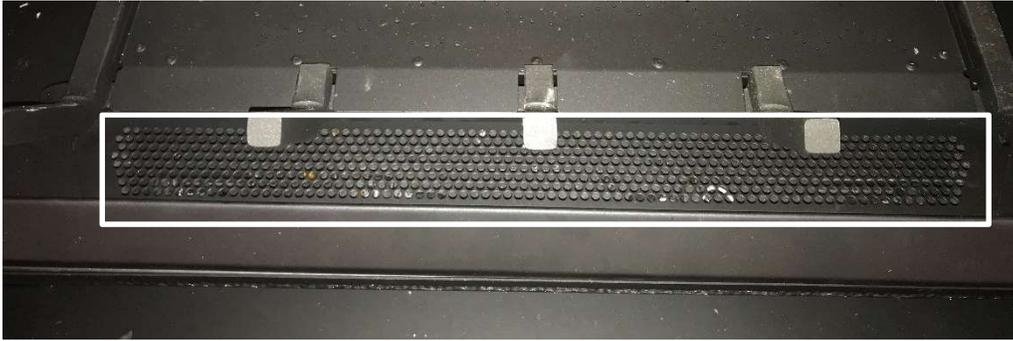


38 Finalizing the Installation (for qualified installers only)

Ember bed Glass and Ember Material Installation

Ember bed Glass Installation

- Make sure the ember skirt is in place. The skirt hooks over the front of the ember platform and slopes outward toward the glass. The skirt helps keep the glass and ember material from falling off the platform when the glass is removed.
- Locate the perforations in front of the log grate.



- Place a thick layer of the ember glass over the perforations making sure to cover all of the holes completely.



- Lightly dress the ember glass with the black touch-up paint provided. Check the appearance with the lights on and add additional paint, as needed, for a realistic glowing ember appearance.

NOTE: If power is supplied to the fireplace it can help to turn the lights on while painting so you can determine an appropriate amount of paint for a realistic ember appearance.

NOTE: We recommend that you use a piece of paper, cardboard as a shield to mask the log grate and burner from overspray (see below).



Ember Material Installation

- Once the ember glass installation is complete, place a generous amount of ember material on the firebox floor on either side of the firebox. Completely cover any visible metal on the firebox floor.

NOTE: Make sure no ember material is placed directly on the burner.

HINT: Add a few randomly placed ember chunks over the ember bed glass to produce a more realistic appearance.



40 Finalizing the Installation (for qualified installers only)

Log Set Installation

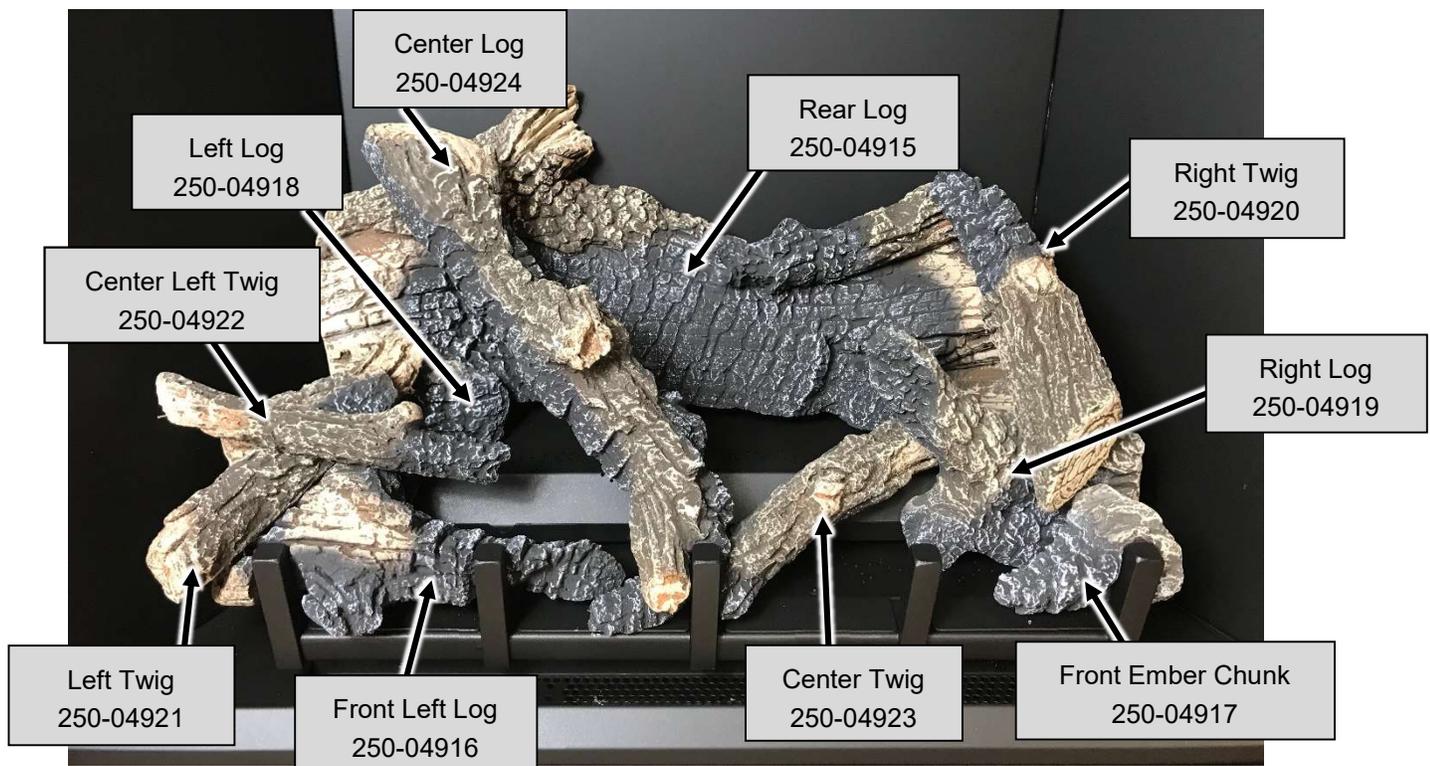
Installation Warnings

NOTE: If using propane (LP), convert the appliance before installing the log set. If using firebacks, install them prior to installing the log set.

- The logs are fragile, especially after being exposed to heat.
- Make sure the gas control valve is OFF and the heater is cool prior to conducting service.
- 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.
- The burner must be correctly positioned before installing the log set. Make sure the burner is fully seated and the pilot is properly aligned. See owner's manual for details on burner removal.

Log Set Overview – Classic Oak 94500626

When installed, the ten (10) logs should appear as shown below.



Installation

Rear Log

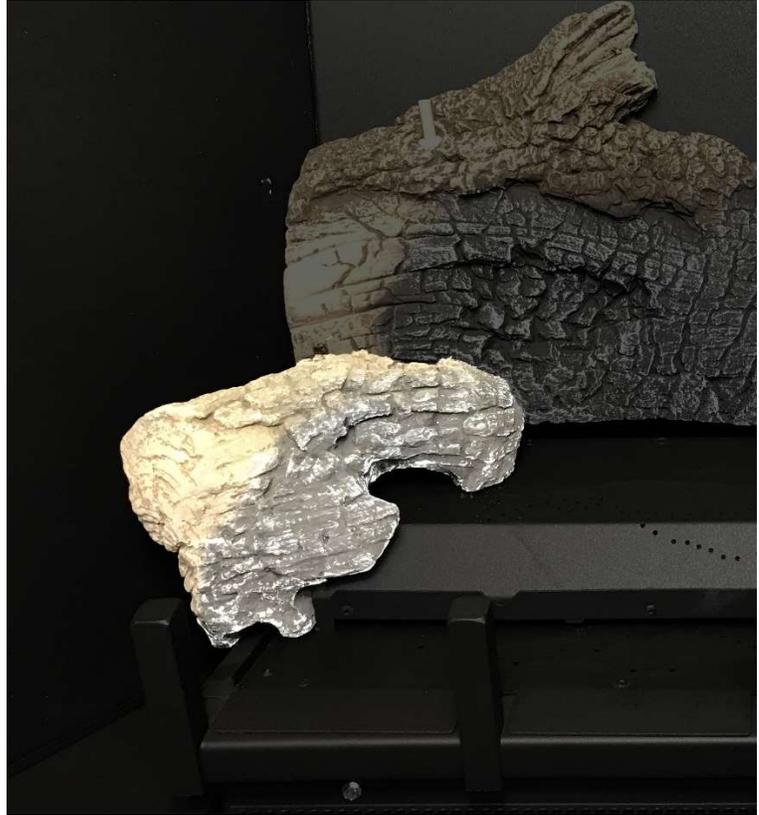
The rear log has two pockets that insert over two tabs on the back burner (see photos below). Place the log in place and push it back. The log straddles the burner and does not cover any burner holes.



42 Finalizing the Installation (for qualified installers only)

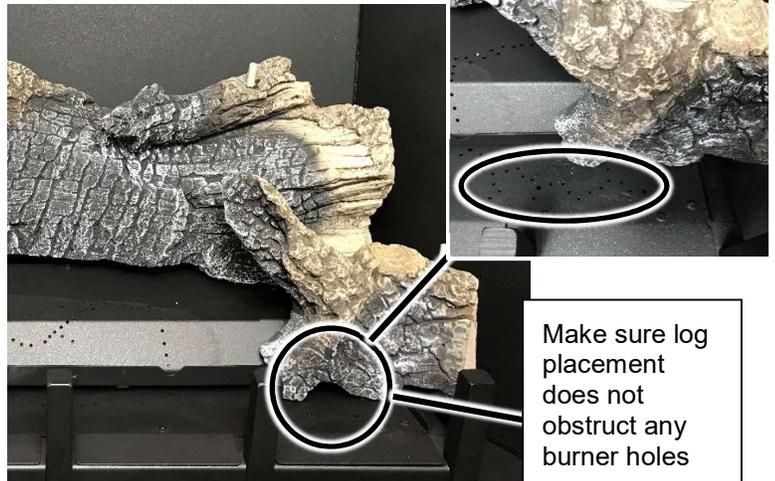
Left Log

The left log has two flat surfaces on the bottom. Place the log so the flat surfaces rest against the burner as shown below. Make sure the log does not block any burner holes.



Right Log

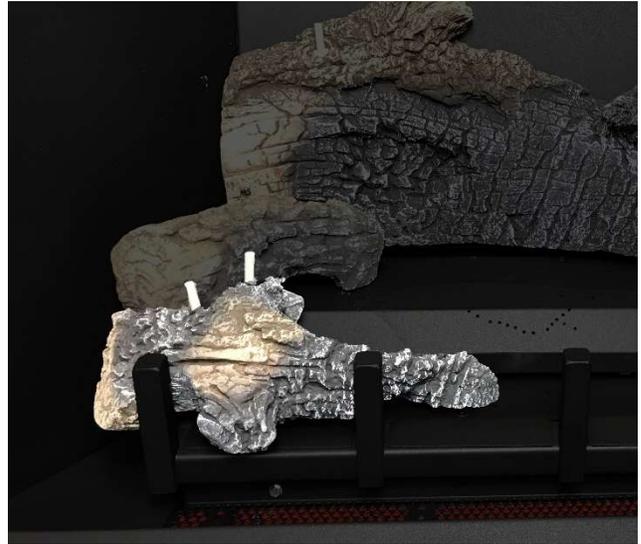
The right log has a channel on the bottom that fits over the ridge on the burner. Place the log in place and slide it to the rear.



Make sure log placement does not obstruct any burner holes

Front Left Log

The front left log has a channel that fits over the grate. When in place, the knob on the front of the log fits over the grate as well.



Front Ember Chunk

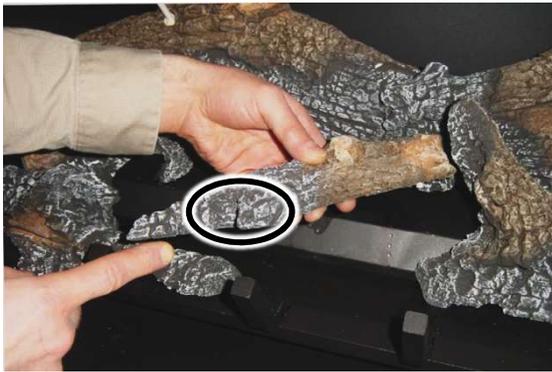
The front ember chunk has a groove on the bottom that fits over the grate. Place it as shown below.



44 Finalizing the Installation (for qualified installers only)

Center Twig

The center twig is shown below. It has a pin on the bottom side. When in place, the fork on the front straddles the grate and the pin rests on the rear burner (make sure it is not over any burner holes).



Center Log

The center log has a hole on the back and a fork on the front. Position the log so this fits over the locating pin on the rear log. Make sure the fork on the front of the log fits over the grate as shown below.



Left Twig

The left twig has a hole on the bottom that fits over the locating pin on the front left log. Place the twig as shown below. The front left log has a groove that will point the twig upwards and to the right.



Center Left Twig

The center left twig is flat on the bottom with one hole. Place the twig on the locating pin as shown below. Make sure the twig is positioned so it does not cover any burner holes.



46 Finalizing the Installation (for qualified installers only)

Right Twig

The right twig has a hole and a slot on the bottom that fit over the pins on the right log. When properly positioned, the log will be placed as shown below and to the right.



Ember Installation

NOTE: The embers are included with the fireplace. Consult the installation manual for details on installing the embers. If using the Ember-Glo light, the embers are installed with the Ember-Glo light glass.

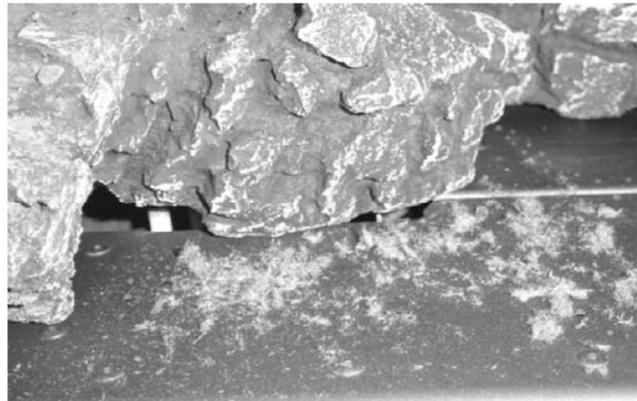
Embers are provided to further enhance the firebox. Place the embers on the firebox floor and on the burner. Do not place embers over any of the burner holes or air channels.



Rock Wool Placement

NOTE: The rock wool is included with the fireplace. Consult the installation manual for details on installing the rock wool.

The included rock wool is placed on top of the burner to enhance the glow from the burner. **The rock wool works best when it is applied in a very thin layer.** The best method for applying the rock wool is to brush it on to the burner. Compress a clump of rock wool between your thumb and forefinger. Use a stiff brush to apply a thin layer of rock wool fibers onto the burner. Do not use the entire bag of rock wool. Use only a small amount and save the remainder. Over-use of rock wool will diminish the glow and may cause sooting or other adverse conditions.



48 Finalizing the Installation (for qualified installers only)

LP Conversion Instructions

WARNING

This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with the kit.

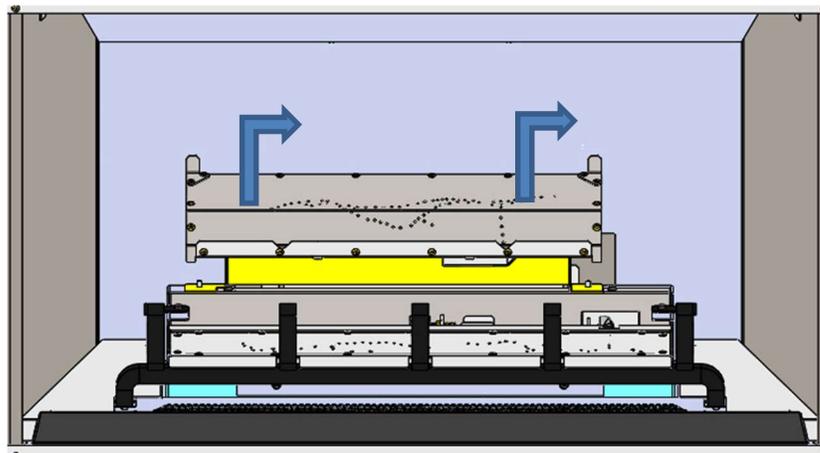
Caution: The gas supply shall be shut off prior to disconnecting the electrical power, before proceeding with the conversion.

Note: Convert the appliance prior to installing the gas line to ensure proper gas use.

The GSR Stepper Motor Kit (4-pack = 94400999), (single = 250-01463) is required for converting this appliance to LP. The kit contains the stepper motor (regulator) and torx wrench.

- 1 Remove the barrier and glass. Remove the logs and embers (if installed - page 38)
- 2 Remove the burners following the directions below.

Lift the rear burner, slide it to the right, and lift it from the firebox. The burner has a bracket that inserts over two pins behind the burner. When replacing the burner make sure it is properly located.

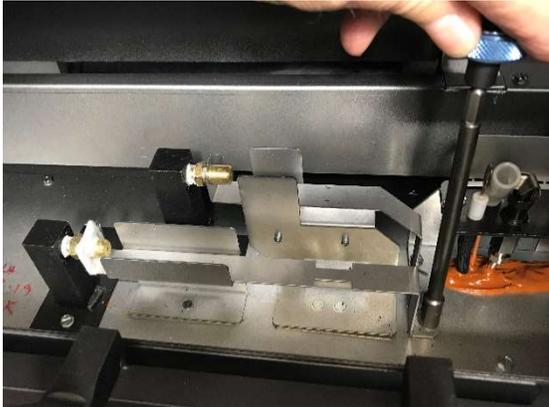


Lift the front burner, slide it to the right, and lift it from the firebox. When replacing the burner make sure it is properly located.



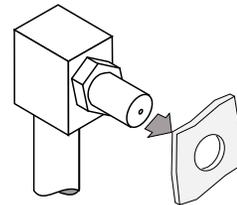
Remove the manifold covers.

NOTE: Discard the orifice gaskets and the rear manifold cover. **Reinstall the front manifold cover after changing the orifices.**

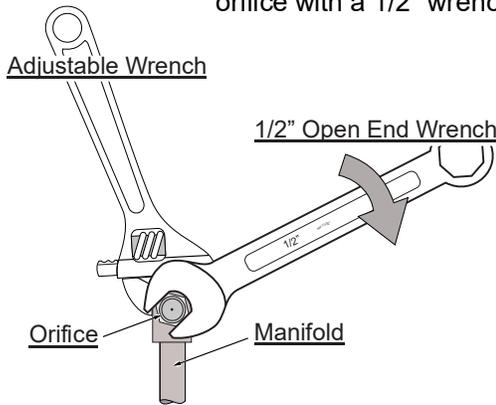


3. Follow the directions below to replace the orifice.
 - (a) Slide the air shutters to provide access to the orifices.

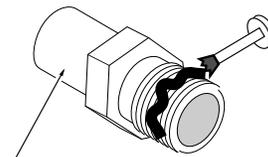
- (b) Remove and discard the two gaskets on the front burner orifice.



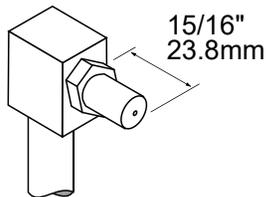
- (c) Use an adjustable wrench to support the manifold while removing each orifice with a 1/2" wrench.



- (d) Apply thread sealant to the LP orifices prior to installation. Use the chart below to identify the correct orifices.



- (e) Screw each LP orifice until orifice protrudes 15/16" (23.8mm) indicating full insertion (use wrench to support manifold when re-attaching orifice).



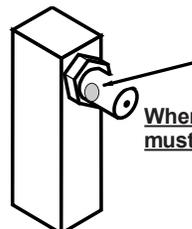
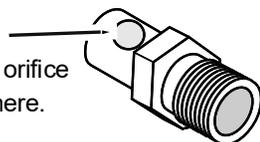
Look here for the orifice identification

564 35k Orifice Numbers

	NG	LP
Front	#46	#58
Rear	#47	#C55

NOTE:

The "#C55" orifice has a hole here.

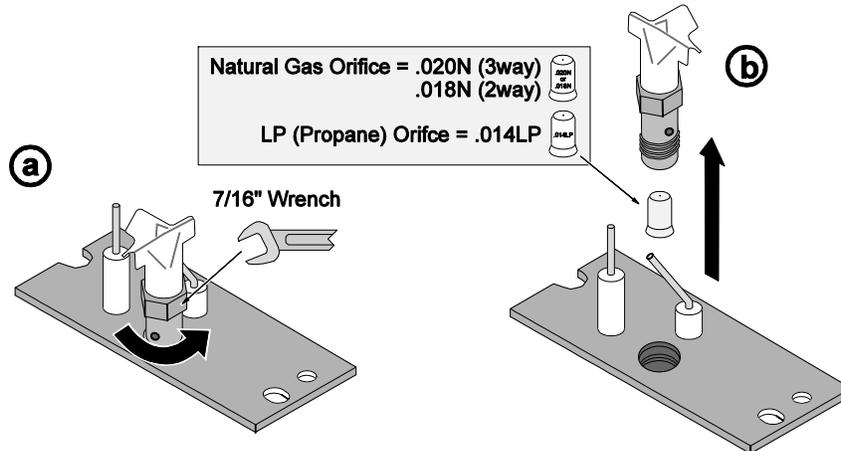


When installed, the hole must be horizontal.

50 Finalizing the Installation (for qualified installers only)

Install the LP pilot orifice following the instructions below.

- (a) Use a 7/16" open-end wrench to remove the pilot hood.
- (b) Remove and discard the Natural Gas (NG) orifice. Place the LP orifice in the pilot assembly then replace the pilot hood, tightening the pilot hood until it is snug (do not over-tighten).



4. Remove the control panel to access the gas control panel. The stepper motor (adjustable regulator) has an installation sheet included with it – make sure to follow all of the directions. Place the stepper motor on the gas control valve (see Figure 1) – **MAKE SURE IT IS CORRECTLY ORIENTED**. Secure using the screws included with the motor (see Figure 2) – tighten to 25 Lb-inches. Leak test this area after installation to verify proper installation.

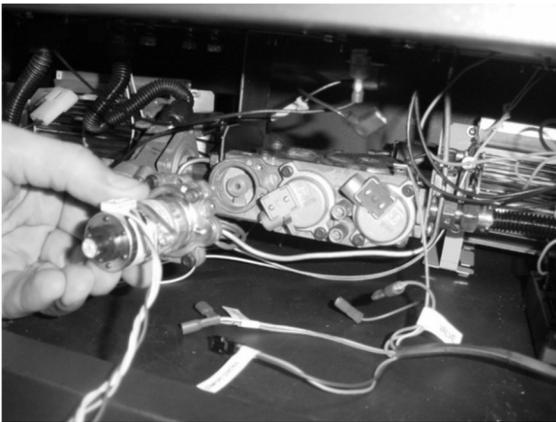


Figure 1

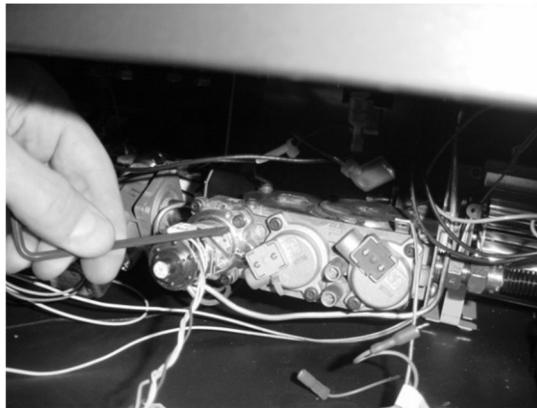


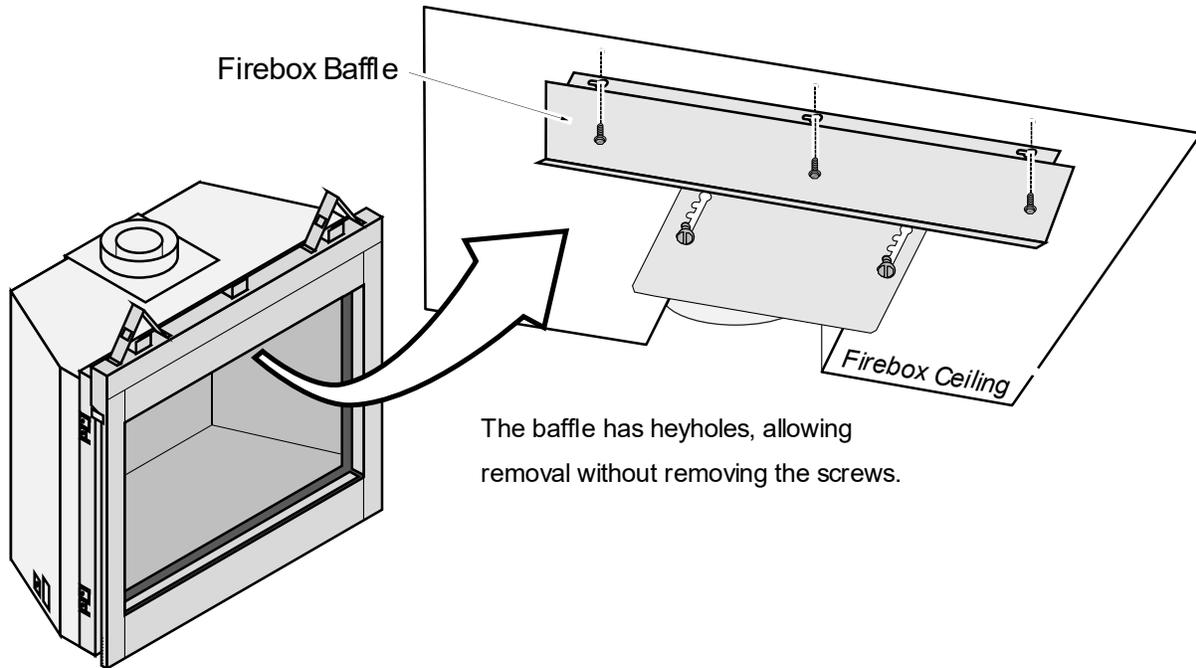
Figure 2

5. **Replace the firebox components.** Install the logs and embers. Replace the glass.
6. Make the gas line connection, bleed the gas line (if applicable), start the heater and thoroughly leak-test all gas connections and the gas control valve.

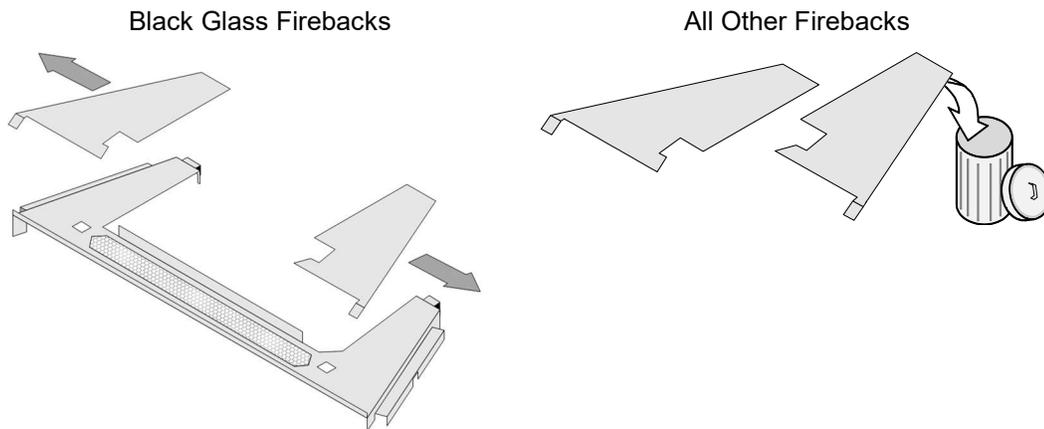
Special Instructions for Fireback Installation -

This fireplace may use existing 564 firebacks. However, the instructions included with the firebacks do not include the following caveats:

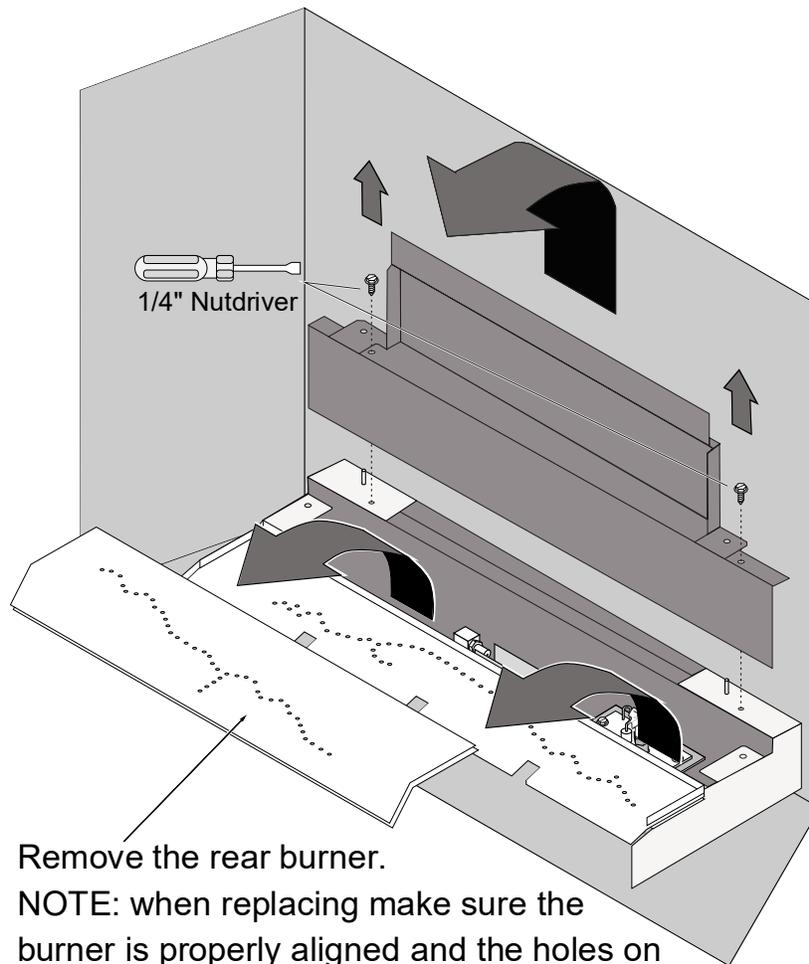
Firebox Baffle Must Be Removed to Install Firebacks (replace once firebacks in place)



For Glass Firebacks, Slide the Media Tray Covers Outwards. For all other firebacks, discard the media tray covers



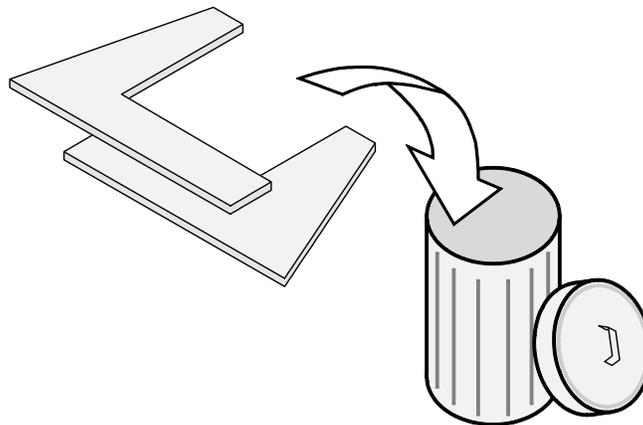
Rear Air Deflector (behind the rear log) Must be Removed (replace after firebacks in place)



Remove the rear burner.

NOTE: when replacing make sure the burner is properly aligned and the holes on the tabs on the burner insert over the pins on the burner stand.

Discard the Floor Firebacks (if applicable). They are not used with this fireplace.

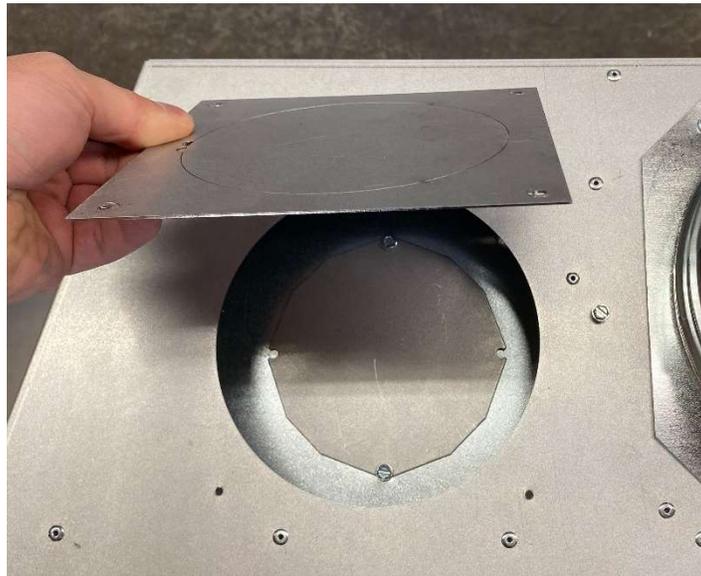


Attaching the Power Heat Duct to the 564 35k (Optional)

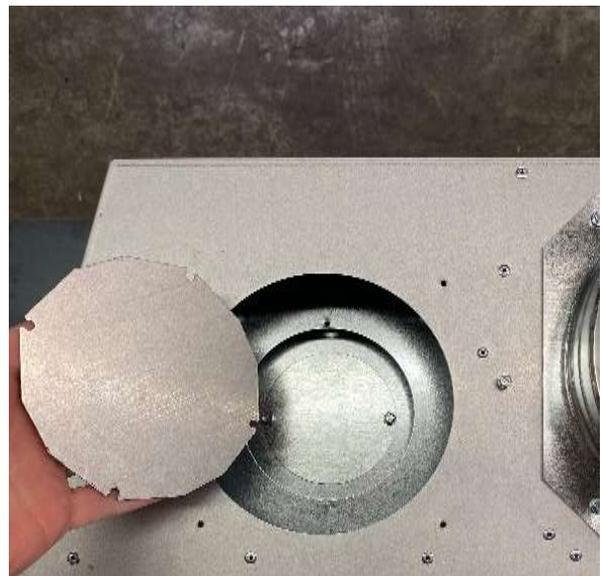
One or two optional power heat ducts (sku 98500769) may be attached to the 564 35k. The ducting is attached to the top of the fireplace (left or right side). See the directions below for removing the power heat duct covers.

Power Heat Duct Covers

1. Remove the outer heat duct plate (4 screws - see picture below).



- a) Remove the inner heat duct plate (2 screws – see picture below).



54

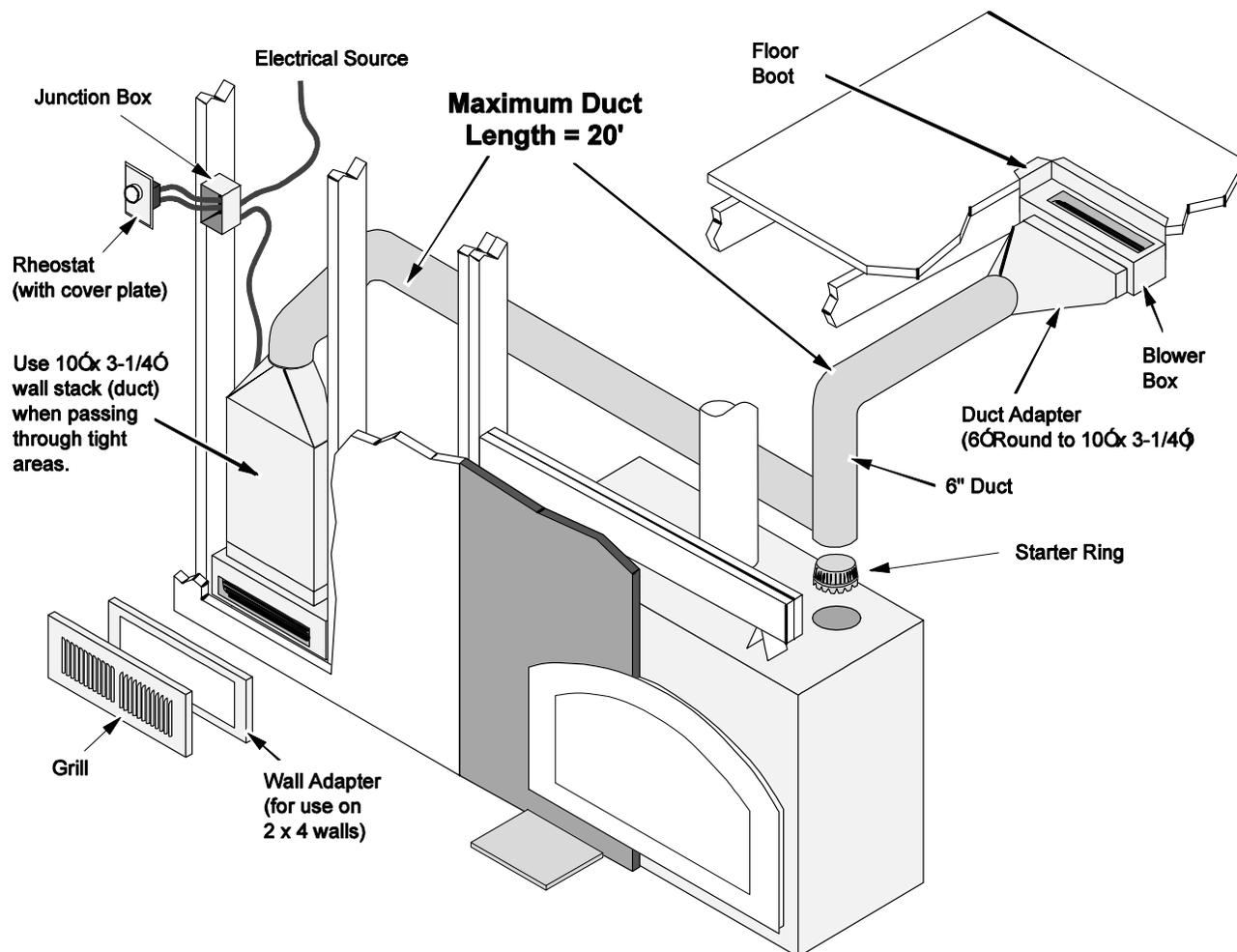
Optional Equipment (for qualified installers only)

- 3 Remove the lower duct plate screws and plate to allow air to flow from the lower convection channel (see pictures below). Discard the lower duct plate.

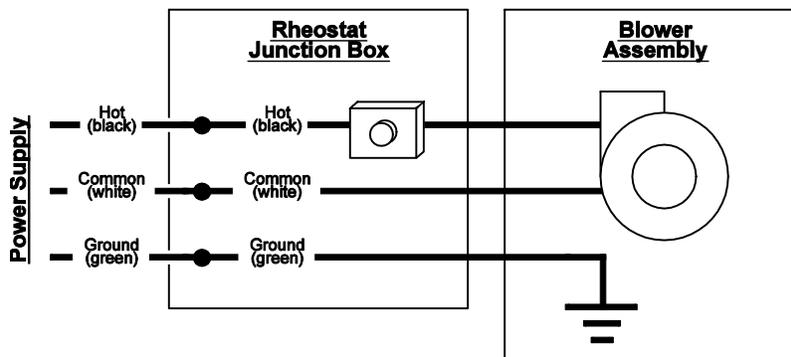


Installing the Power Heat Duct with the 564 35k

The power heat duct must be installed in accordance with the instructions included with the kit and all local codes. See the illustration below for an overview



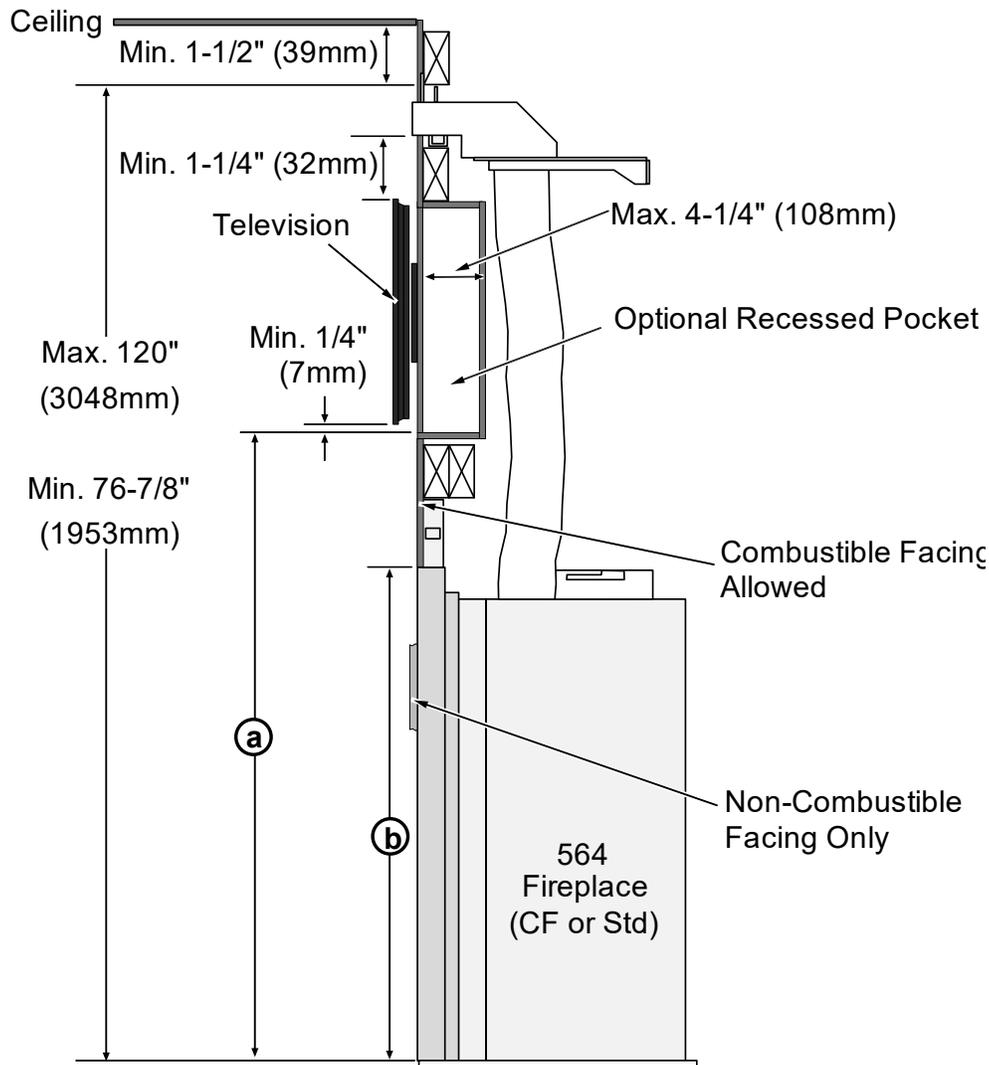
Power Heat Duct Wiring Diagram



CoolSmart TV – Installation Overview (Optional)

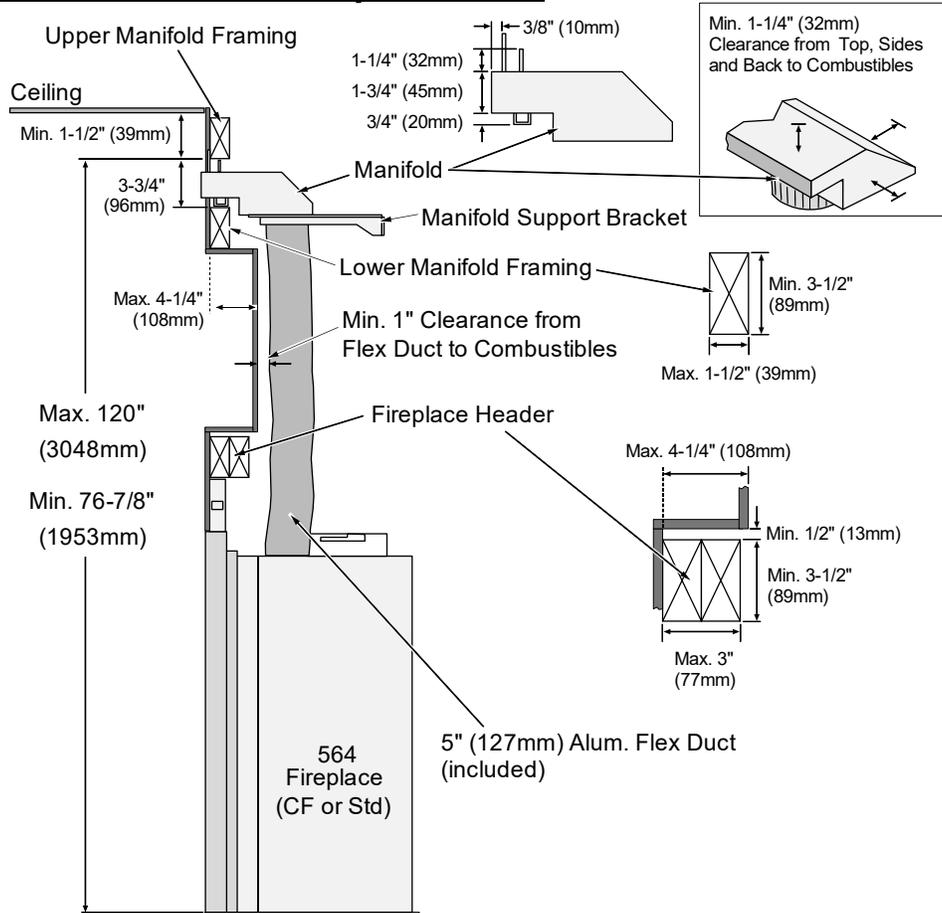
The CoolSmart system is designed to redirect the convective heat of the fireplaces from the front of the unit, just above the glass, to a location higher on the wall. The use of this kit allows for reduced clearances to televisions and a recessed cavity above the fireplace. When using this kit, disregard the framing dimensions in the manual and follow the framing instructions included in this instruction sheet. See the installation manual for further requirements.

When used on the 564 35K, this kit allows for the **mantel height to be reduced**. See “**CoolSmart TV - Reduced Mantel Height**” on page 57 for details.



	564 35K CleanFace	564 35K Standard
a	47-3/8" (1203mm)	47-3/8" (1203mm)
b	33-1/8" (842mm)	30-1/4" (769mm)

CoolSmart TV - Installation Requirements

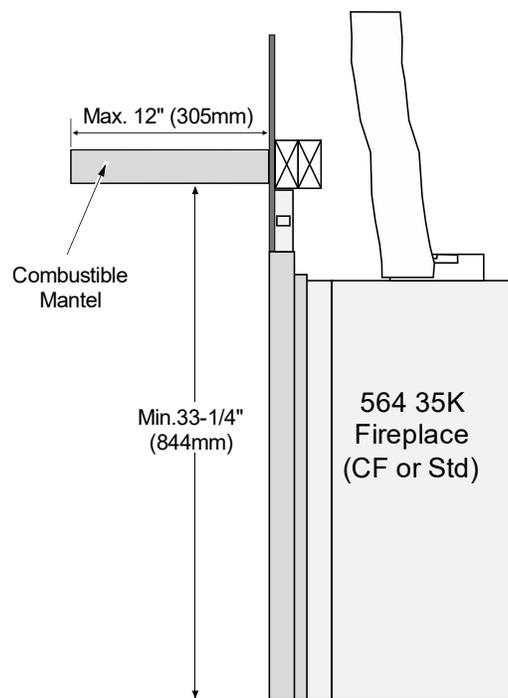


CoolSmart TV - Reduced Mantel Height

When using this kit, disregard the combustible mantel requirements in the manual and follow the requirements shown to the right.

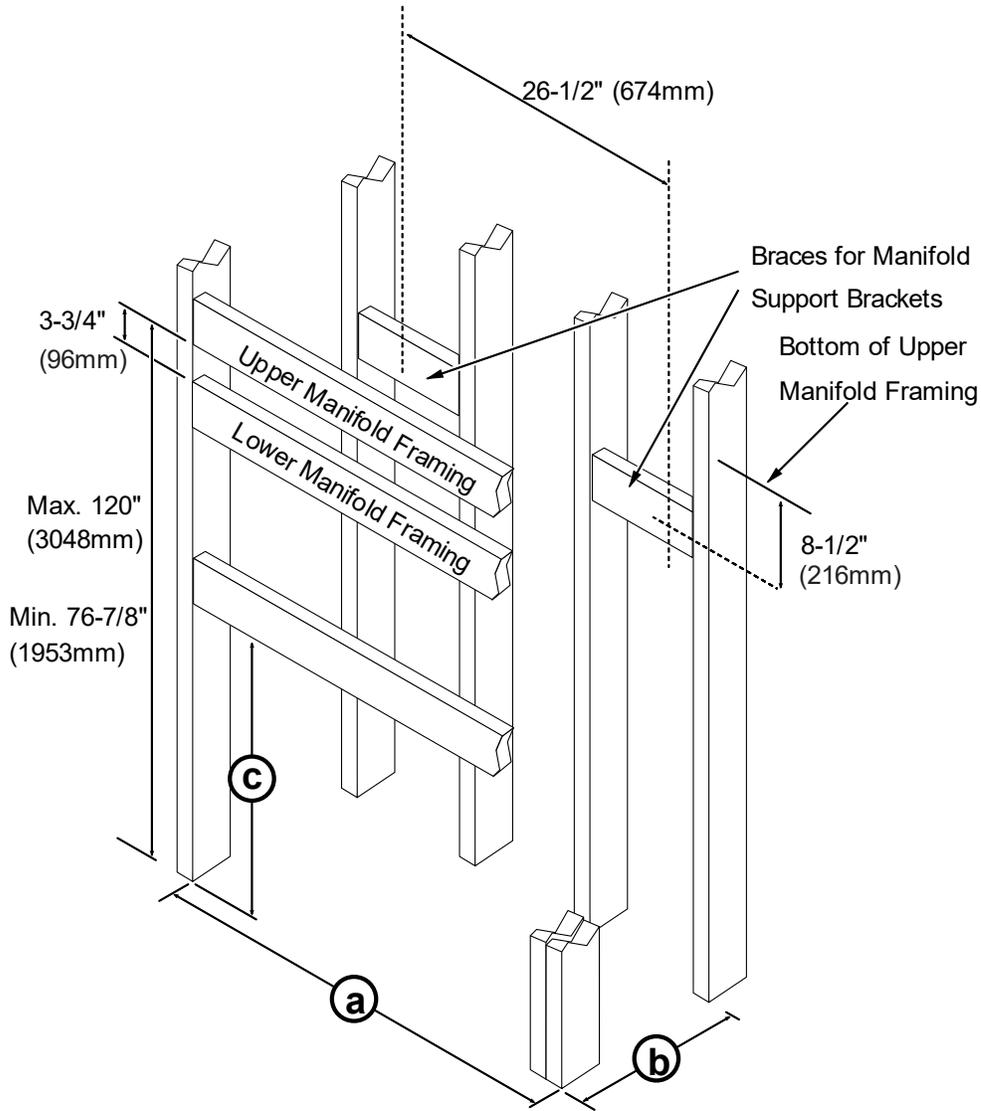
If you wish to place a TV above the mantel, it must meet the following requirements:

- Minimum 1" air gap behind TV to wall.
- The mantel must extend 2" in front of the TV and 1" to both sides.



CoolSmart TV - Framing the Chase

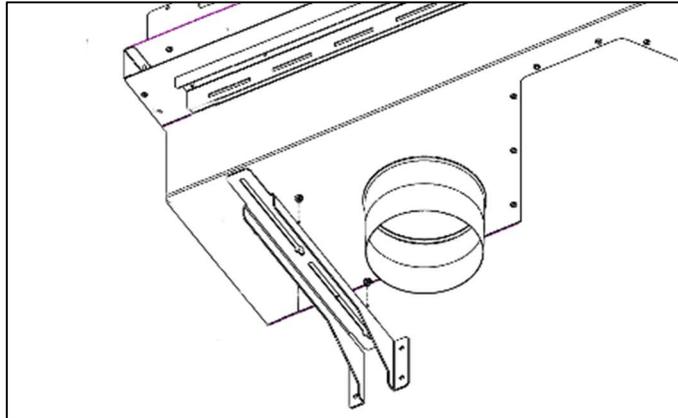
When using this kit, disregard the framing dimensions in the manual and follow the framing instructions shown below.



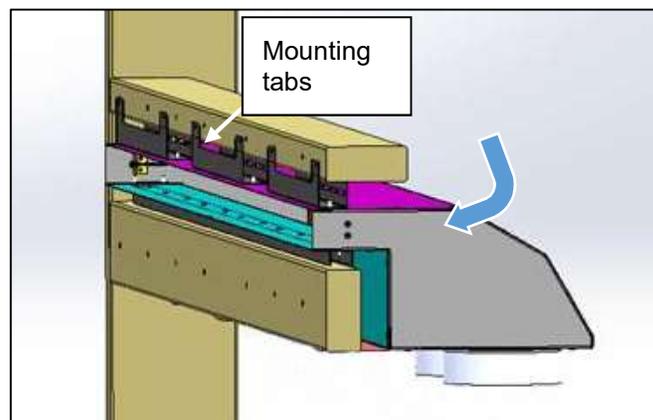
	564 35K Standard	564 35K CleanFace
a	37-3/4" (959mm)	38-3/4" (985mm)
b	17-1/2" (445mm)	19-3/8" (493mm) Flush 18-7/8" (480mm) Extended
c	37-1/4" (947mm)	37-1/4" (947mm)

CoolSmart TV - Installation

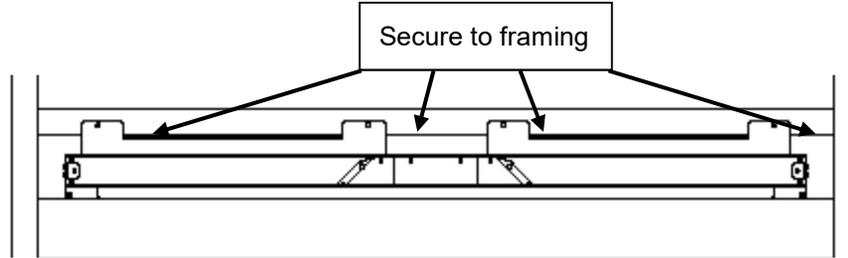
- 1 Remove the grill from the manifold (2 screws hold it in place).
- 2 Remove the rear-mounting brackets by loosening 1/4" screws and sliding it out of the keyhole slots.



- 3 Determine the desired location of the bottom of the convection air outlet. Install a horizontal framing member at the desired height, parallel to the header. Install a second horizontal framing member 3-3/4" above the first. These two framing members will support the upper convection manifold in the following steps.
- 4 Hold the upper convection manifold with the outlet facing the back of the framing members installed in the previous step. Tilt the outlet of the manifold downward until the outlet of the manifold and the two mounting tabs can fit between to two framing members. Slide the outlet into the gap and allow it to sit level again. The two mounting tabs will support the manifold.



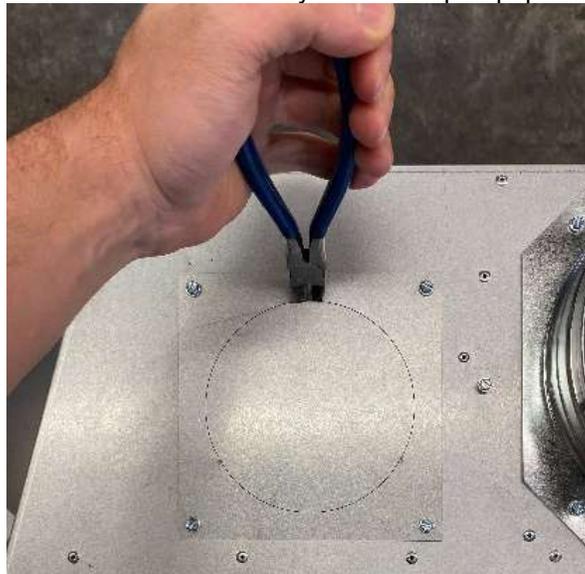
- 5 Secure the manifold to the upper framing using screws (not included).



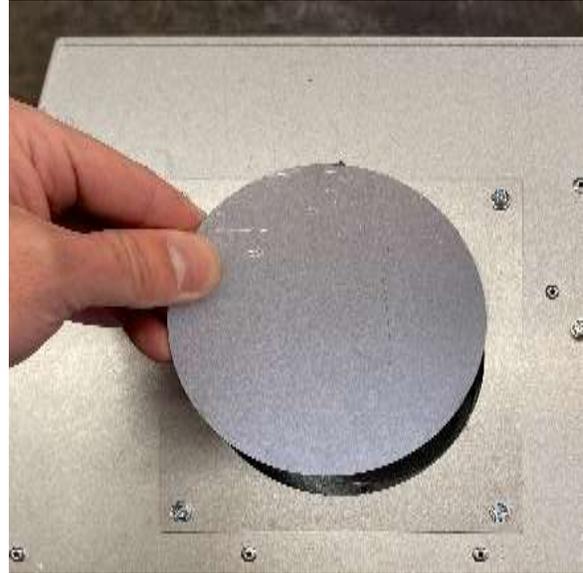
- 6 Re-attach the two rear mounting brackets (removed in step 6) to the bottom of the convection manifold. Leave the screws loose so the brackets can be positioned to the back of the chase. Secure the brackets to the chase using screws (not included). Tighten the screws securing the brackets to the manifold.



- 7 Remove the knockouts from the top of the fireplace. Use snips or diagonal cutters to snip the tab on the knockouts. Press on the far side away from the tap to pop the edge of the knockout up.



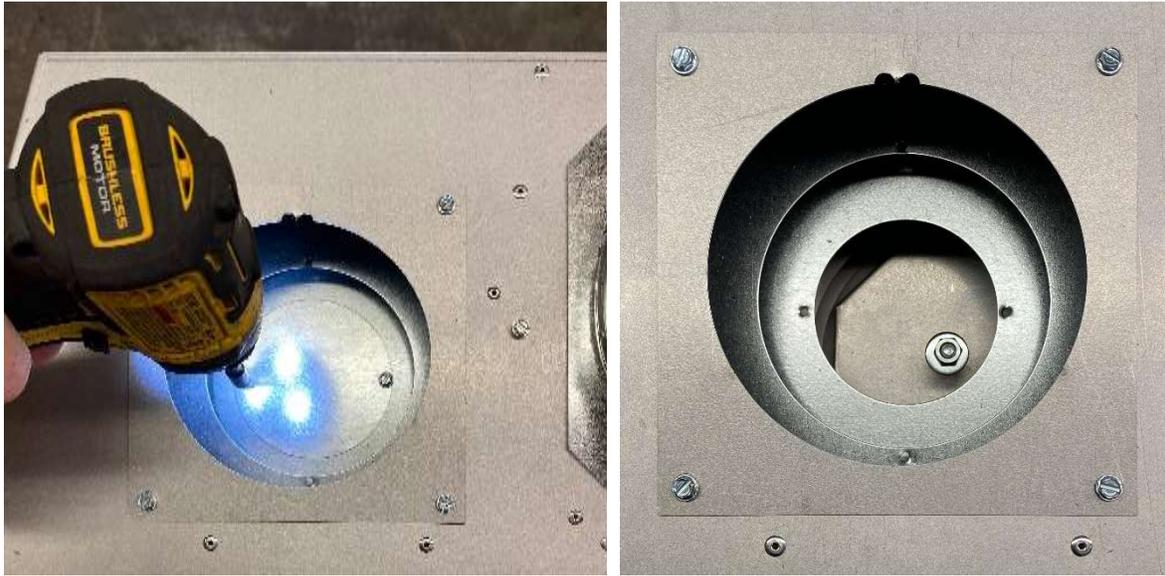
- 8 Grab on to the knockout with pliers and bend it back and forth until the remaining tabs break free. Discard the knock out plate.



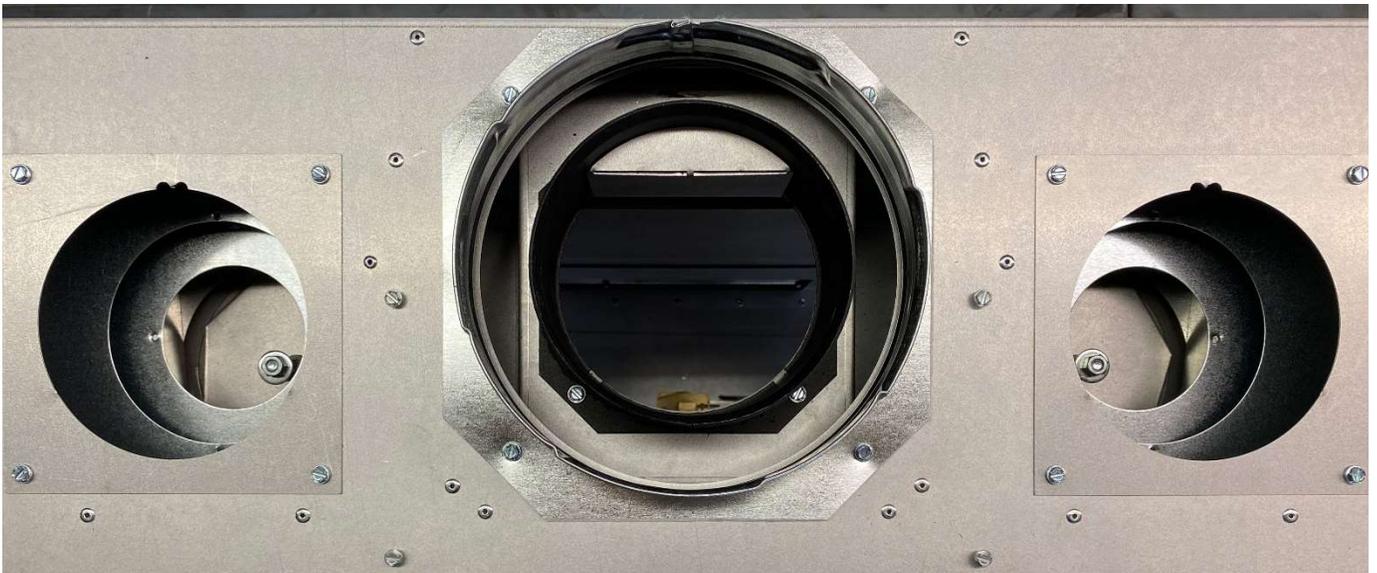
- 9 Under each knock out plate, you will find a cover plate held in place with (2) 1/4" screws. Use a nut driver or drill with an extension to remove the (2) screws. Reach in and remove the cover plate. You may discard the plate.



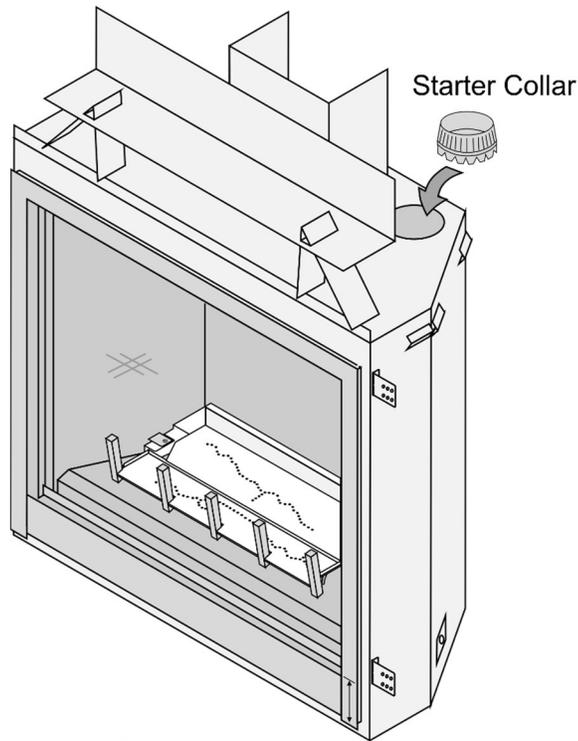
- 10 You will need to remove a third cover plate on each side. Remove the 2 screws holding the cover plate in place. Reach in and remove the cover plate. You may discard this plate.



- 11 Repeat the above steps on the other end of the fireplace



- 12 Insert a starter collar into each of the (2) holes that were uncovered in the previous step and bend the tabs to secure the starter collar to the fireplace.. Seal the joints with silicone caulk or aluminum (U.L. 181A-P) tape.



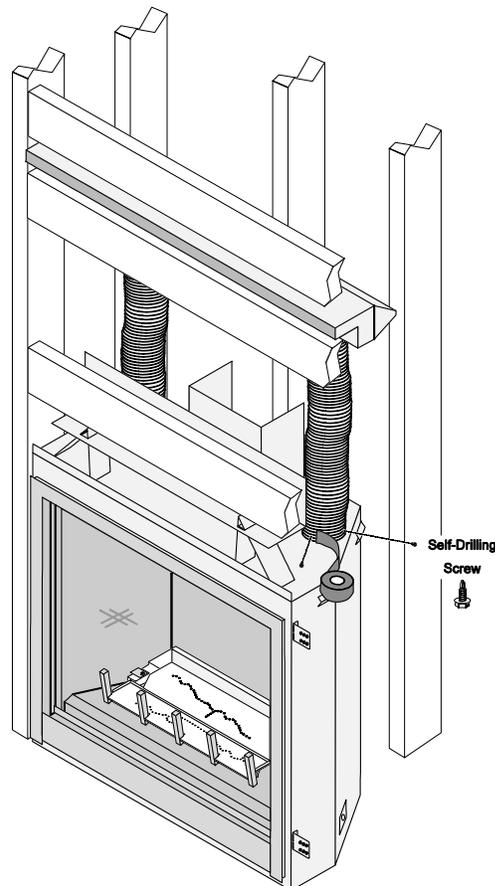
Use silicone to seal the starter collar to the top of the fireplace.



Bend the tabs on the bottom of the starter collar up to lock it in place.

- 13 Install the fireplace into the framed chase. See section "Installation" in the manual.

- 14 Stretch the included flex to its maximum length. Measure the distance between the starter collars on the fireplace and the inlets on the convection manifold. Cut the flex to the appropriate length and install between the fireplace and the manifold. Secure using (3) screws at every connection and seal the joints with silicone caulk or aluminum (U.L. 181A-P) tape.



- 15 Cover the face of the fireplace and the outlet of the manifold to ensure no construction debris or sheetrock dust enters the unit.
- 16 Once all finish work is complete around the outlet of the manifold, install the outlet grill assembly using the two included screws (one at each end). The grill assembly will overlap finish material up to 1-1/2" thick. See fireplace installation manual for finishing details.

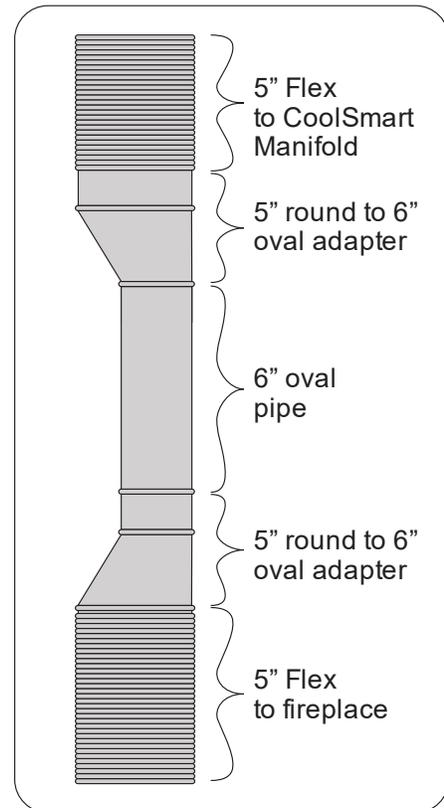
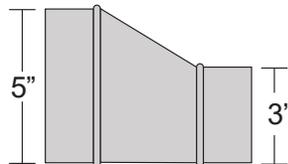
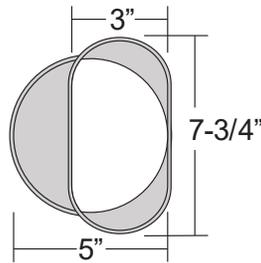
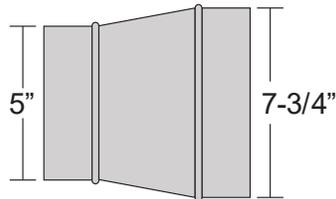
NOTE: The manifold opening protrudes 7/16" proud of the framing. The wall may be finished to the opening if you do not wish to use the grill trim.

CoolSmart TV - Using oval pipe to get past an obstruction

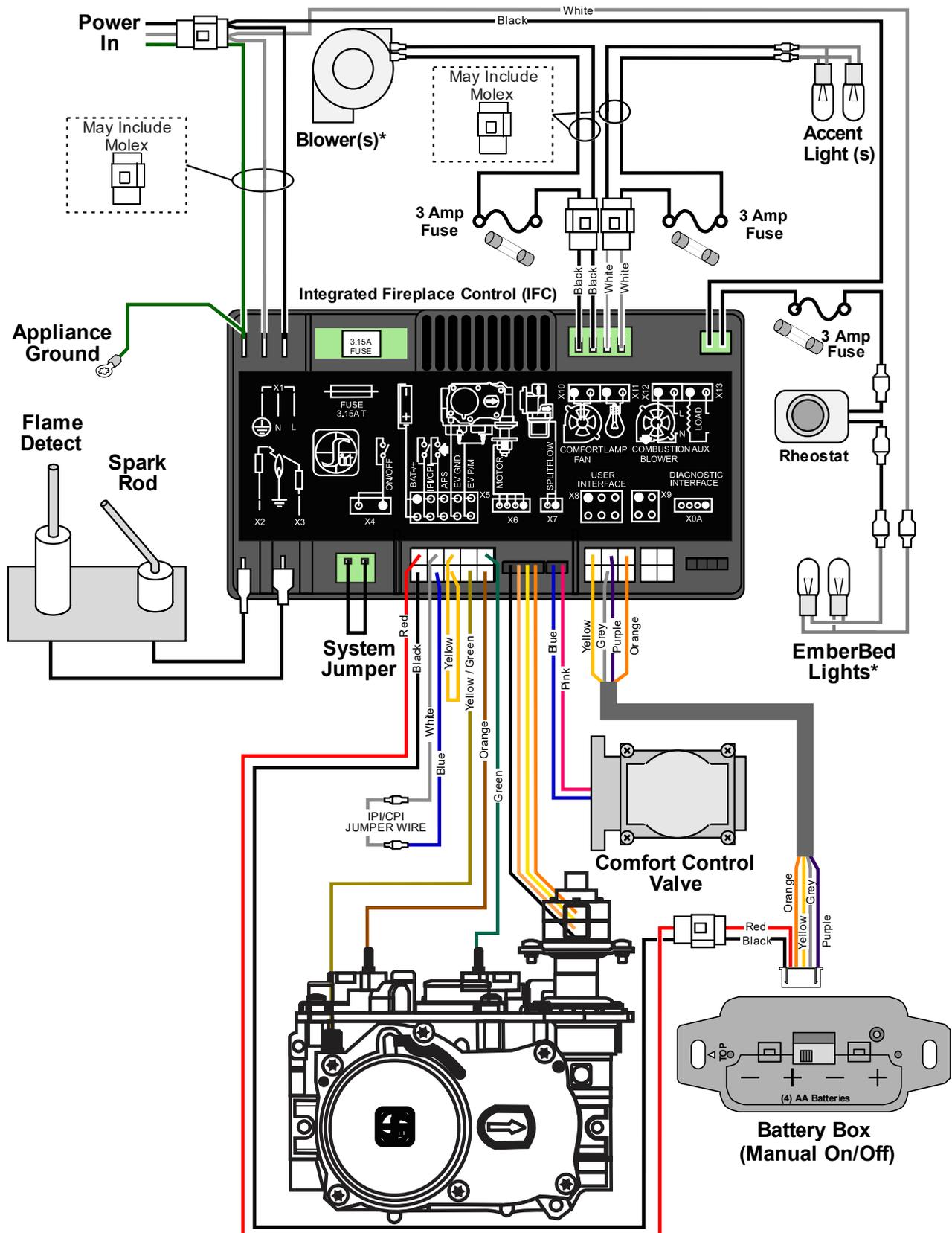
If a situation arises that obstructs the CoolSmart flex vent runs (such as getting past a minimum sideways vent) you may transition the 5" flex vent to a ridged nominal 6" oval pipe to get past the obstruction. Transition back to the 5" round flex and continue to the manifold.

The adapters and ridged pipe should be factory ovalized, not field ovalized.

NOTE: All clearances to combustibles must be maintained.



Wiring Diagram



Index

Accessing the Area Under the Burner	19	Installation Overview.....	7
Additional Items Required	7	Log Set Installation	40
Approved Vent Configurations	22	LP Conversion Instructions.....	48
Barrier Removal	35	Mantel Requirements.....	32
CoolSmart TV – Installation Overview (Optional)	56	Overview	2
Dimensions.....	6	Packing List.....	7
Electrical Connection	18	Recommended Installation Procedure	7
Ember bed Glass and Ember Material Installation.....	38	Rock Wool Placement	47
Facing Requirements.....	31	Safety Warnings.....	4
Fireback Installation	51	Standoff and Drywall Support Preparation	9
Fireplace Placement Requirements.....	10	Steps for Finalizing the Installation	33
Gas Line Requirements	16	Termination Requirements	28
Glass Frame Removal and Installation	36	Top Vent Configuration with Horizontal Termination	26
Hearth Requirements.....	29	Top Vent Configuration with Vertical Termination	27
Heating Specifications.....	6	Vent Requirements	20
Installation Options.....	6		