

564 GSR2 35K CF Deluxe Fireplace Installation Manual



⚠ 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 shall be installed for the protection of children and other at-risk individuals.



Listed by
Report # 0028GF080S
ANSI Z21.88:19
CSA 2.33:19
CSA 2.17-2017

- **Built-In Direct Vent
Fireplace**
- **Natural Gas or Propane**
- **Residential or Mobile
Home**

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 of gas indicated on the rating plate. A conversion kit is supplied with the appliance.

INSTALLER: Leave this manual with the appliance.

French language manuals at fireplacex.com

CONSUMER: Retain this manual for future reference.

Manuels de langue Française à fireplacex.com

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.

Listing Details

This appliance was listed to ANSI Z21.88:19. The listing label is attached to the appliance near the gas control valve. A copy is shown to the right.

Massachusetts Approval

This manual has been submitted to the Massachusetts Board of State Examiners of Plumbers and Gas Fitters

National Fireplace Institute



We suggest that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.



564 GSR2 35K / CF
Vented Gas Fireplace Heater
Le Gaz donné vent Cheminée
Appareil de chauffage
Certified for USA and Canada
Certifié pour les États-Unis et le Canada



Certified to: ANSI Z21.88:19/CSA 2.33:19 "Vented Gas Fireplace Heater", CSA 2.17-2017 "Gas-fired appliances for use at high altitude", and CSA P.4.1-15 Testing method for measuring annual fireplace efficiency.

This appliance must be installed in accordance with local codes, if any; if none, follow the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or Natural Gas and Propane Installation Codes, CSA B149.1.

This appliance must be installed in accordance with the current Standard CAN/CSA Z240 MH, Mobile Housing, in Canada or with the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280, in the United States, or when such a standard is not applicable, ANS/INCSCS A225.1/NFPA 501A, Manufactured Home Installation Standard.

This vented gas fireplace heater is equipped at the factory for use with natural gas. If conversion to propane (LP) is desired, the optional factory conversion kit must be used. Part No. 250-05107 kit may be used.

This appliance is only for use with the type of gas indicated on the rating plate and may be installed in an aftermarket, permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes. See owner's manual for details. This appliance is not convertible for use with other gases, unless a certified kit is used.

This vented gas fireplace heater is not for use with air filters. Keep burner and control compartment clean. See installation and operating instructions accompanying appliance.

THIS APPLIANCE MUST BE PROPERLY CONNECTED TO A VENTING SYSTEM IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. Use only approved coaxial direct vent system to vent this appliance to the exterior. See owner's manual for approved brands of venting.

If the vent-air intake system is disconnected for servicing or any other reason, it must be resealed and / or reinstalled.

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.

VENTED GAS FIREPLACE HEATER
NOT FOR USE WITH SOLID FUEL

L'APPAREIL DE CHAUFFAGE DONNE VENT DE CHEMINÉE DE GAZ
PAS POUR L'USAGE AVEC LE COMBUSTIBLE SOLIDE

Minimum Clearances to Combustibles

Fireplace to Adjacent Wall	1" (26mm)
Wood Floor Beneath Fireplace	0" (0mm)
Back to Enclosure	0.5" (13mm)
Base of Fireplace to Enclosure Top	See Owner's Manual
Sides to Enclosure	0.5" (13mm)
Base of Fireplace to a Mantel	See Owner's Manual

Dégagements Minimums à Combustible

La cheminée au mur adjacent	1" (26mm)
Le plancher en bois en dessous de la cheminée	0" (0mm)
De retour à la clôture	0.5" (13mm)
Base du foyer au dessus du boîtier	***
Les côtés à la clôture	0.5" (13mm)
La base de cheminée à un manteau de cheminée	***
(***) Voir le manuel du propriétaire	

FAN TYPE VENTED CIRCULATOR

Blower Electrical Rating: 120V AC, 1.5 Amps, 60 Hz, 150 Watts
Part No. 250-00031 / 250-00032 fan or blower assembly may be used.
DANGER! Risk of Electric Shock. Disconnect power before servicing unit.

	PROPANE	N.G.
Input Rate on "HI" (BTU/Hr)	35,000	35,000
Input Rate on "LO" (BTU/Hr)	7,500	12,000
Orifice Size - Front (DMS)	#58	#46
Orifice Size - Rear (DMS)	#C55	#47
Minimum Inlet Pressure (inches W.C.)	11"	5.5"
Maximum Inlet Pressure (inches W.C.)	13"	7"
Manifold Pressure on "HI" (inches W.C.)	11"	3.5"

This appliance is equipped for use only at altitudes 0-2,000 feet (0-610m) in the USA. In Canada, 0-4,500 feet (0-1370m).

For altitudes above 2,000 feet, the vent configuration, orifice, or combination of both may need to be changed.

See owner's manual for information on making these changes.

WARNING: Failure to install this appliance per the manufacturer's instructions or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.

MANUFACTURE DATE:

2021 Jan. Apr. Jul. Oct.
 2022 Feb. May Aug. Nov.
 2023 Mar. Jun. Sep. Dec.

CAUTION:

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

PRUDENCE:

Ne pas fonctionner cet appareil avec le verre enlevé, craqué ou cassé. Le remplacement des panneaux devrait être fait par une personne de service autorisée ou qualifiée.

Overview	2	Top Vent Configuration with Horizontal Termination.....	27
Listing Details.....	2	Top Vent Configuration with Vertical Termination.....	28
Installation Options.....	6	Masonry Chimney Conversions	29
Heating Specifications.....	6	Class A Chimney Conversion.....	30
Dimensions	6	Termination Requirements	31
Packing List	7	Hearth Requirements.....	32
Additional Items Required.....	7	<i>Vinyl Flooring Hearth Recommendations</i>	33
Installation Overview	7	Optional Tile Stop Removal	34
Recommended Installation Procedure.....	7	Facing Requirements	35
Massachusetts Requirements	8	Mantel Requirements.....	36
Requirements for the Commonwealth of Massachusetts	8	Combustible Mantels.....	36
MANUFACTURER REQUIREMENTS	8	Additional Examples:.....	36
Pipe Shield Installation.....	9	Non-Combustible Mantels	36
Standoff and Drywall Support Preparation	10	Steps for Finalizing the Installation	37
Fireplace Placement Requirements	11	Air Shutter Adjustment	38
Clearances	11	Barrier Removal	39
Raised Fireplaces.....	11	Glass Frame Removal and Installation	40
Minimum Framing Dimensions.....	12	Glass Frame Removal and Installation (continued).....	41
Minimum Vent “Bump Out” application – Top Vent.....	13	Ember bed Glass and Ember Material Installation	42
Nailing Brackets	14	Ember bed Glass Installation	42
Corner Installations.....	15	Ember Material Installation.....	43
Outdoor Fireplace Installations	16	Log Set Installation.....	44
Gas Line Requirements	17	LP Conversion Instructions	53
Fuel	17	Special Instructions for Fireback Installation -	56
Gas Line Connection.....	17	Attaching the Power Heat Duct to the 564 35k (Optional)	58
Gas Inlet Pressure.....	17	Power Heat Duct Covers.....	58
Gas Line Location	18	Installing the Power Heat Duct with the 564 35k	60
Converting Gas Line to the Left Side.....	18	Power Heat Duct Wiring Diagram	60
Electrical Connection (required).....	19	<i>CoolSmart TV – Installation Overview (Optional)</i>	61
Accessing the Area Under the Burner	20	<i>CoolSmart TV - Installation Requirements</i>	62
Vent Requirements.....	21	<i>CoolSmart TV - Reduced Mantel Height</i>	62
Vent Clearances.....	21	<i>CoolSmart TV - Framing the Chase</i>	63
Altitude Considerations	21	<i>CoolSmart TV - Installation</i>	64
Approved Vent	22	<i>CoolSmart TV - Using oval pipe to get past an obstruction</i>	69
Termination	22	Wiring Diagram	70
Vent Installation.....	22	Index.....	72
Approved Vent Configurations	23		
Restrictor Position	23		
Exhaust Restrictor Adjustment	23		
Intake Restrictor Adjustment	24		
Diffuser Plate Adjustment.....	25		
Minimum Vent Configuration	26		

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 underwater.

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 the 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 for any consequential damage(s).**

Proposition 65 Warning: Fuels used in gas, woodburning or oil-fired appliances, and the products of combustion of such fuels, contain chemicals known to the State of California to cause cancer, birth defects, and other reproductive harm.
California Health & Safety Code Sec. 25249.6

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

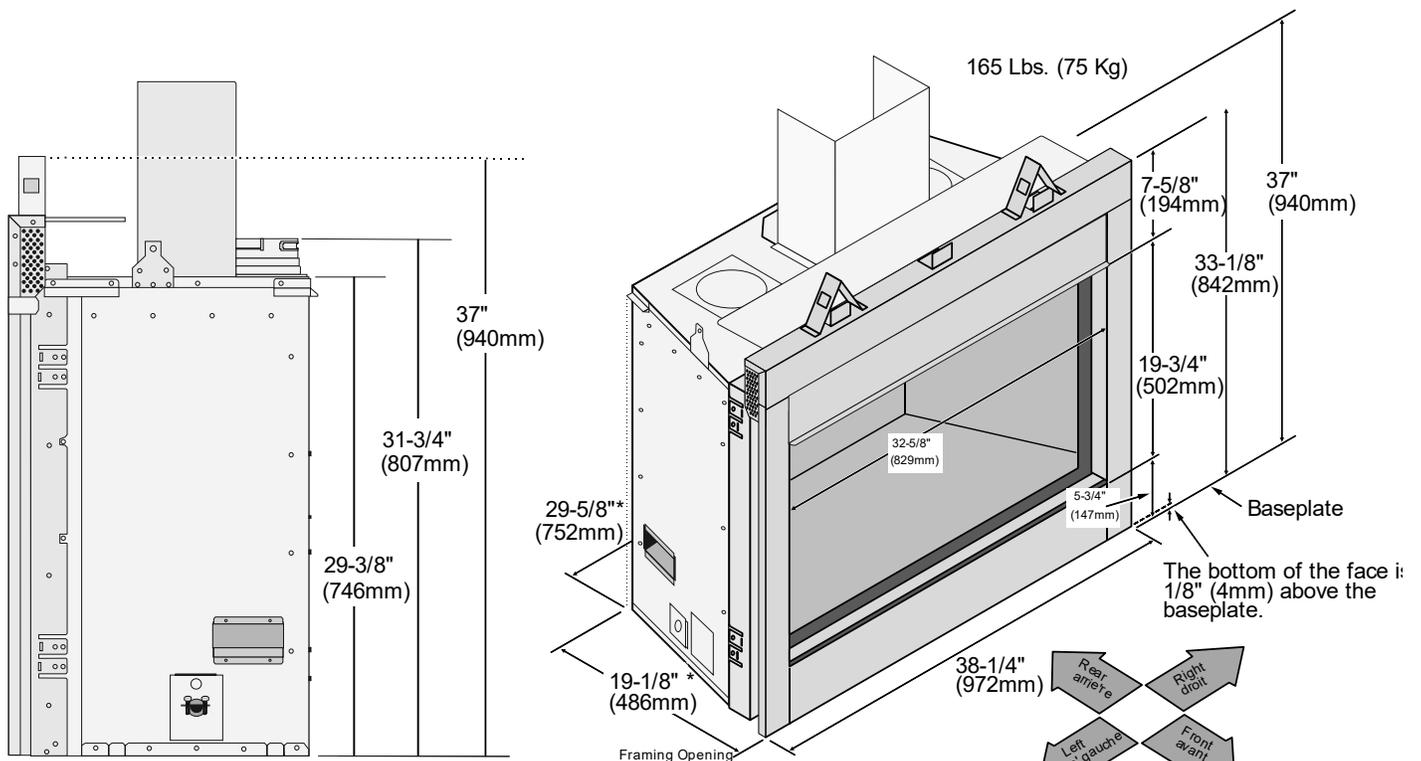
Heating Specifications

	Natural Gas	Propane
Approximate Heating Capacity (in square feet)*	1,700	1,700
Maximum BTU Input Per Hour	35,000	35,000

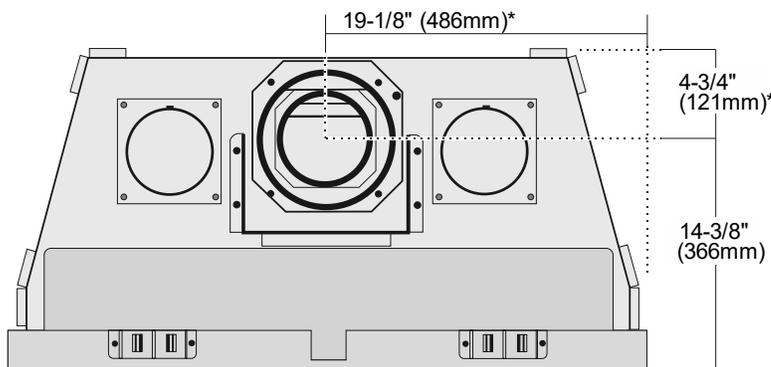
* Heating capacity will vary with floor plan, insulation, and outside temperature.

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

Dimensions



* See "Clearances" and "Framing Dimensions" for details.



*Dimensions Include the standoffs

Packing List

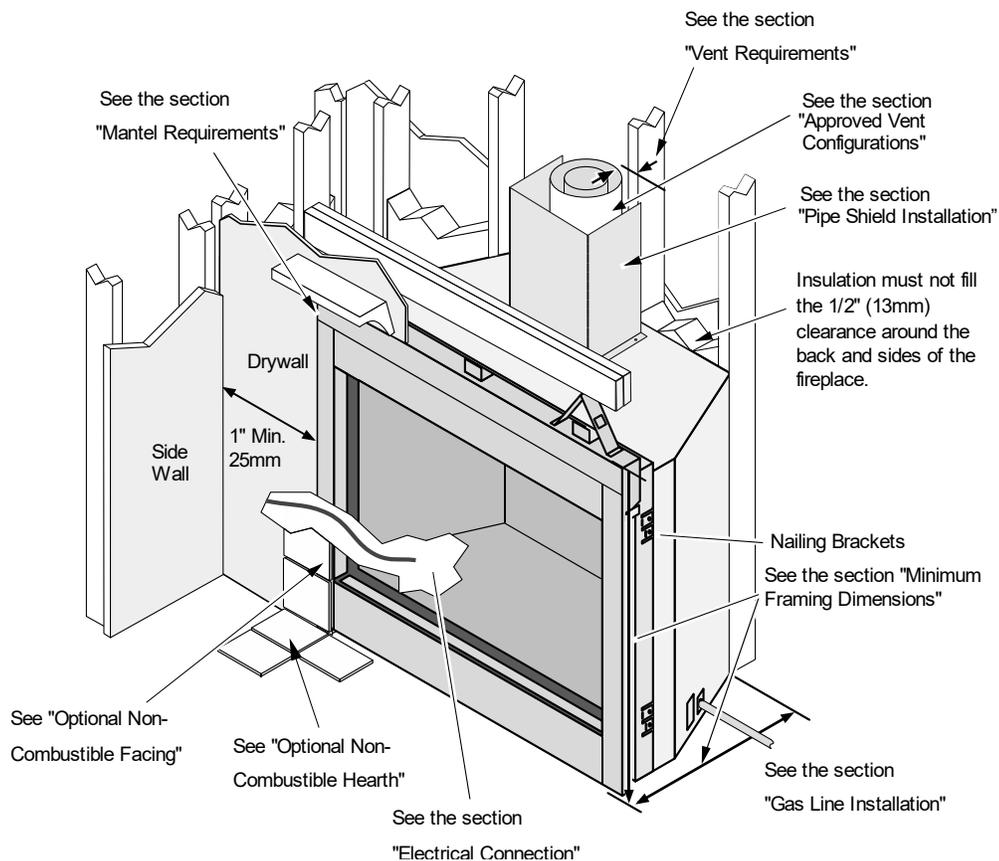
- Propane Conversion Kit (Front #58 Orifice, Rear #C55 Orifice, Pilot Orifice 0.14 LP).
- 2 Piece Firestop (sku# 250-05641)
- Remote
- Embers, Rockwool, Ember-Glass
- Pipe shield (attached to the top of the fireplace)

Additional Items Required

- Log Set
- Vent Pipe (installation specific)
- Gas Line Equipment (shutoff valve, pipe, etc.)
- Electrical Equipment (min. 14 gauge, grounded line)
- Stove Bright® Metallic Black touch-up paint

Installation Overview

- All requirements below must be met.



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 13 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).
- Install the firebacks (optional)
- Install the media
- Finalize the installation (see page 36) and install the grill or face.

8 Finalizing the Installation (for qualified installers only)

Massachusetts Requirements

NOTE: The following requirements reference various Massachusetts and national codes not contained in this document.

Requirements for the Commonwealth of Massachusetts

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 sidewall 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:

Installation of Carbon Monoxide Detectors

At the time of installation of the side wall horizontally vented gas fueled equipment, the installing plumber or gasfitter 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 gasfitter 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.

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.

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.

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.

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".

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.

Exemptions

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

- 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
- 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.

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:

- Detailed instructions for the installation of the venting system design or the venting system components; and
- A complete parts list for the venting system design or venting system.

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:

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

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.

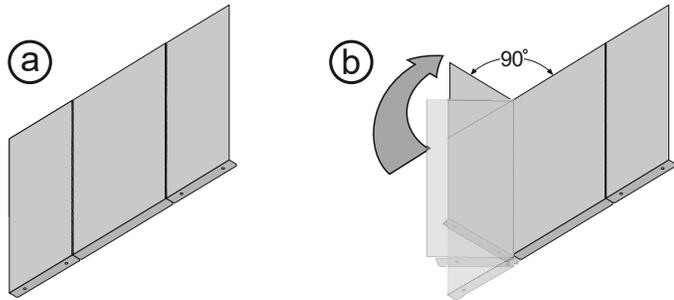
See Gas Connection section for additional Commonwealth of Massachusetts requirements.

Pipe Shield Installation

 **The pipe shield must be installed as shown below.**

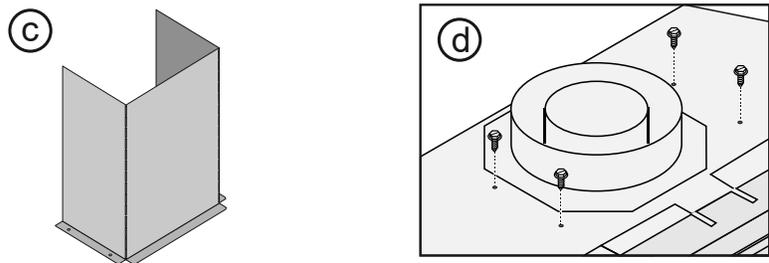
NOTE: The header and pipe shields may be installed after the fireplace is in place and the vent attached (this allows for the fireplace to fit into the framing underneath the header and for the vent to be installed more easily).

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 backward 90° as shown to the right.

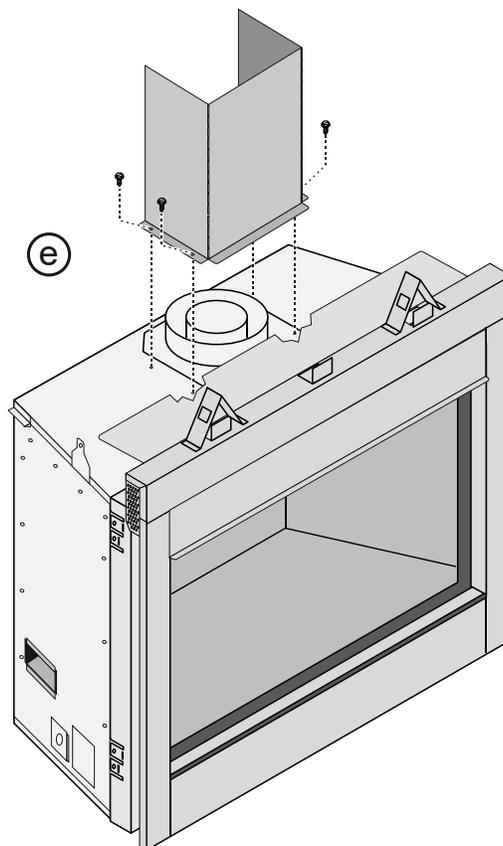
c) When the shield has been properly formed it should look like “c” to the right.



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.

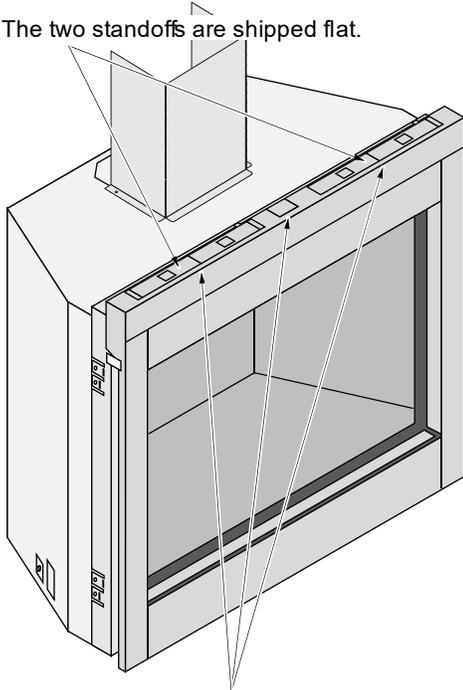


10 Finalizing the Installation (for qualified installers only)

Standoff and Drywall Support Preparation

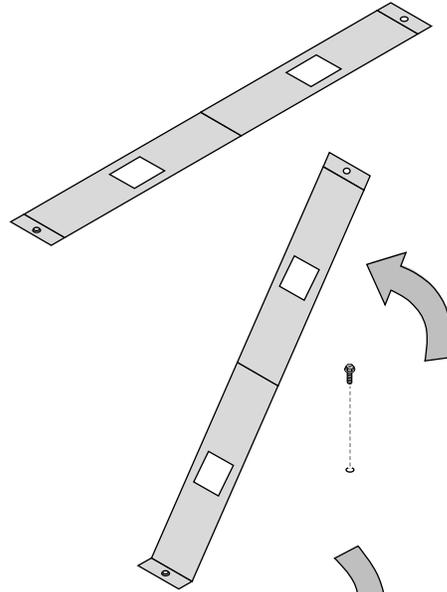
- The two standoffs and three drywall supports are shipped in the flat position. Make sure to bend (and secure) the standoffs and drywall supports as shown below.

The two standoffs are shipped flat.

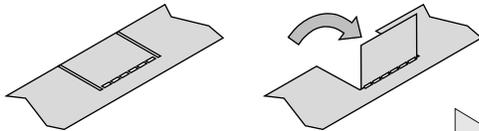


Bend both standoffs as shown below.

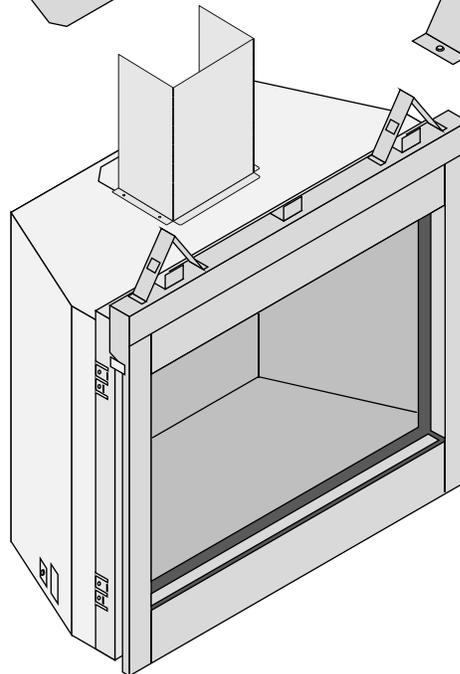
Remove the screw from the top of the fireplace and secure the standoffs shown.



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.



Fireplace Placement Requirements

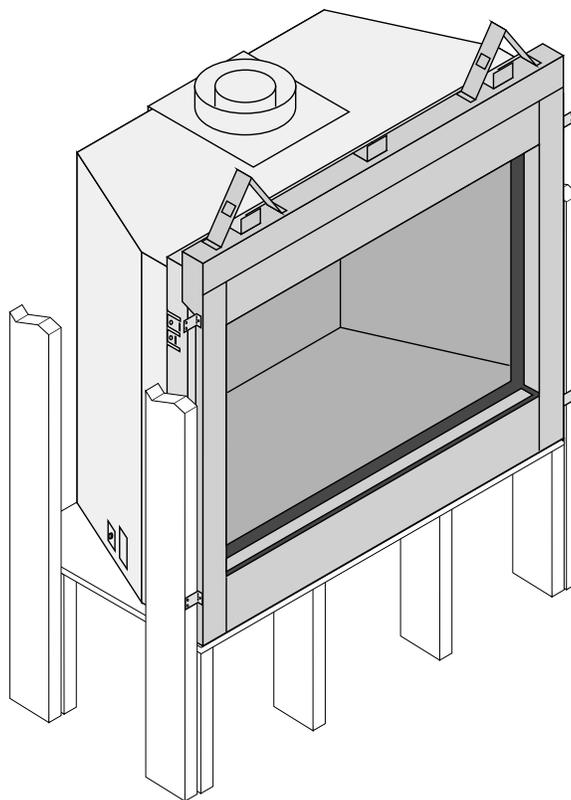
- Fireplace must be installed on a level surface capable of supporting the fireplace and vent
- Fireplace must be placed directly on wood or non-combustible surface (not on linoleum or carpet)
- This heater may be placed in a bedroom. Please be aware of the large amount of heat this appliance produces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

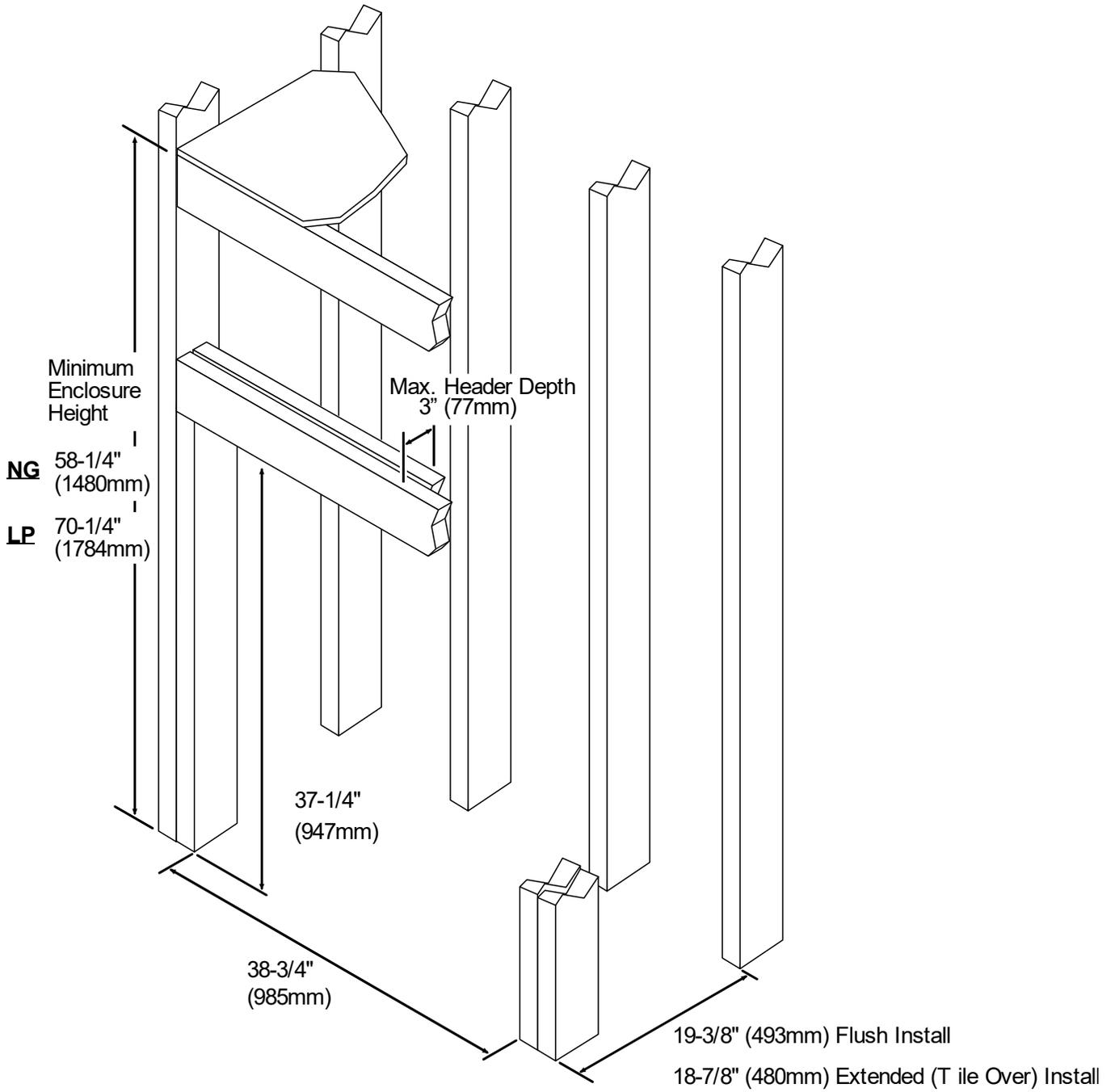
Raised Fireplaces

- The fireplace (and hearth, if desired) may be placed on a platform designed to support the fireplace (155 Lbs. 70 Kg) and vent.
- The base of the fireplace must be a minimum 70" (1778mm) below the room ceiling.



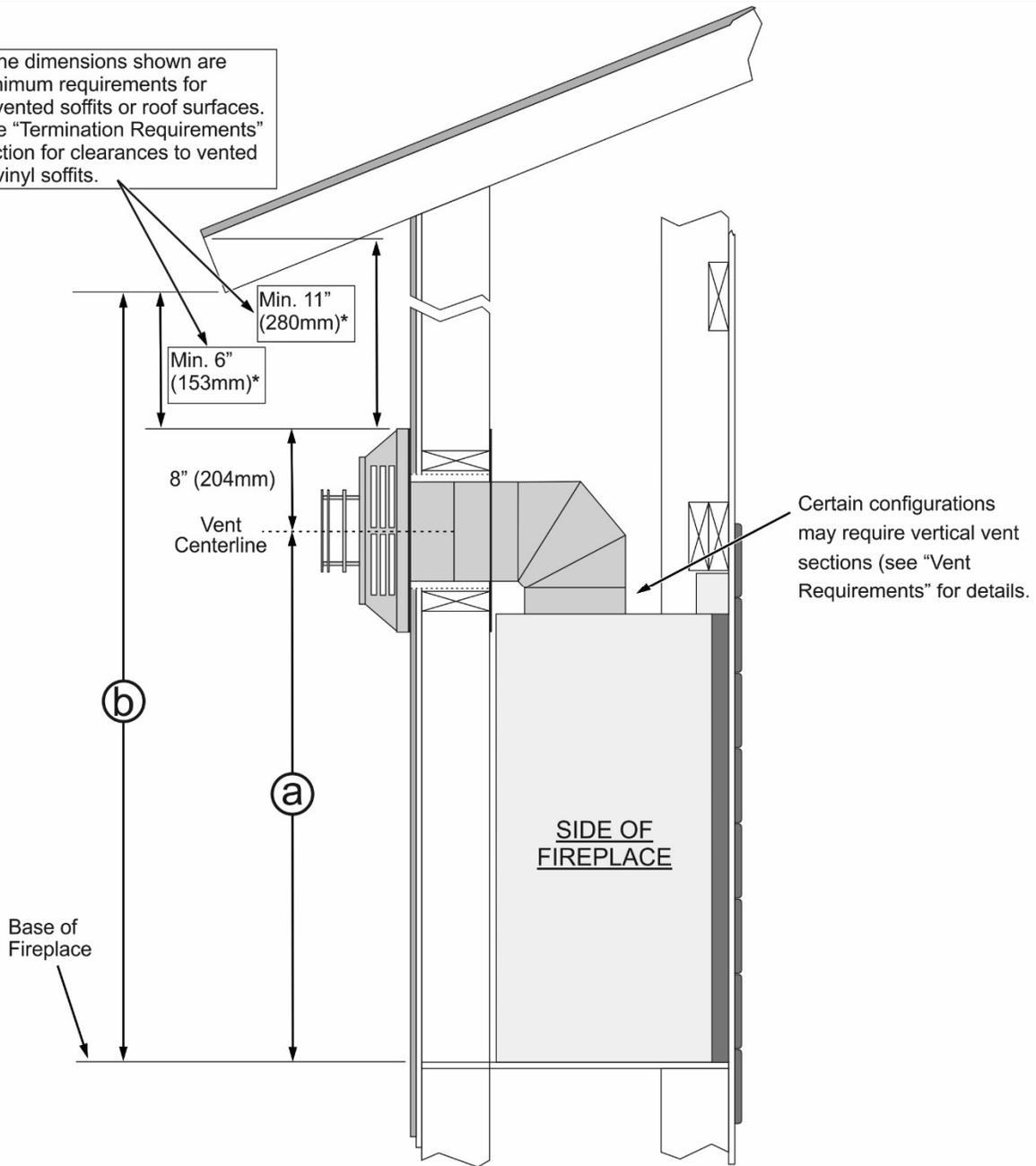
12 Finalizing the Installation (for qualified installers only)

Minimum Framing Dimensions



Minimum Vent "Bump Out" application – Top Vent

* The dimensions shown are minimum requirements for unvented soffits or roof surfaces. See "Termination Requirements" section for clearances to vented or vinyl soffits.



564 35K CF

	<u>NG Installations</u> 12" Vertical Vent Sections (Min. Rise)	<u>LP Installations</u> (2) -12" OR (1) - 24" Vertical Vent Sections (Min. Rise)
(a) Vent Centerline	Approx. 48" (1220mm)	Approx. 60" to 61" (1524 to 1550mm)
(b) FP Base to Roof Eave	Approx. 62" (1575mm)	Approx. 74" to 75" (1880 to 1905mm)

14 Finalizing the Installation (for qualified installers only)

Nailing Brackets

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

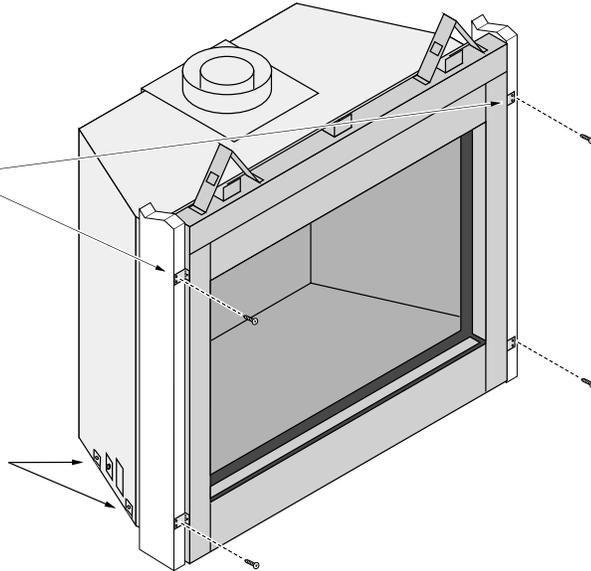
NOTE: Make sure the fireplace is square and plumb when securing the fireplace.

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.

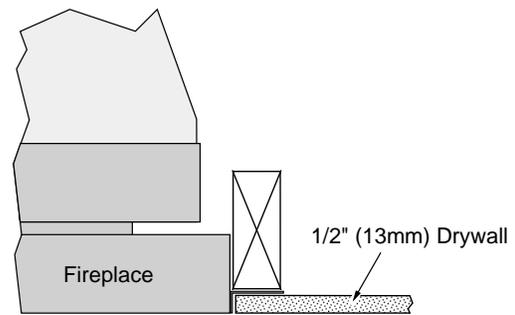
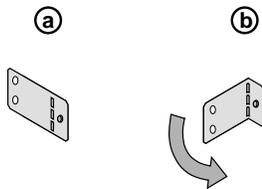
**Bend the nailing brackets out
and secure to the side framing.**

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



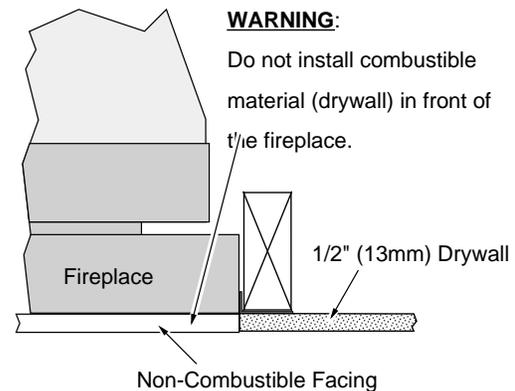
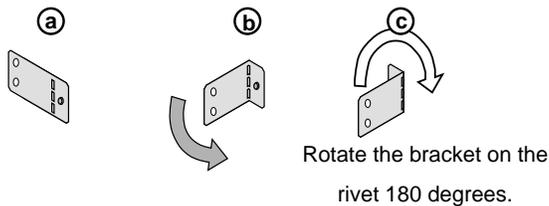
Standard Facing

- Drywall contacts side of fireplace
- Extended on Framing Dimensions



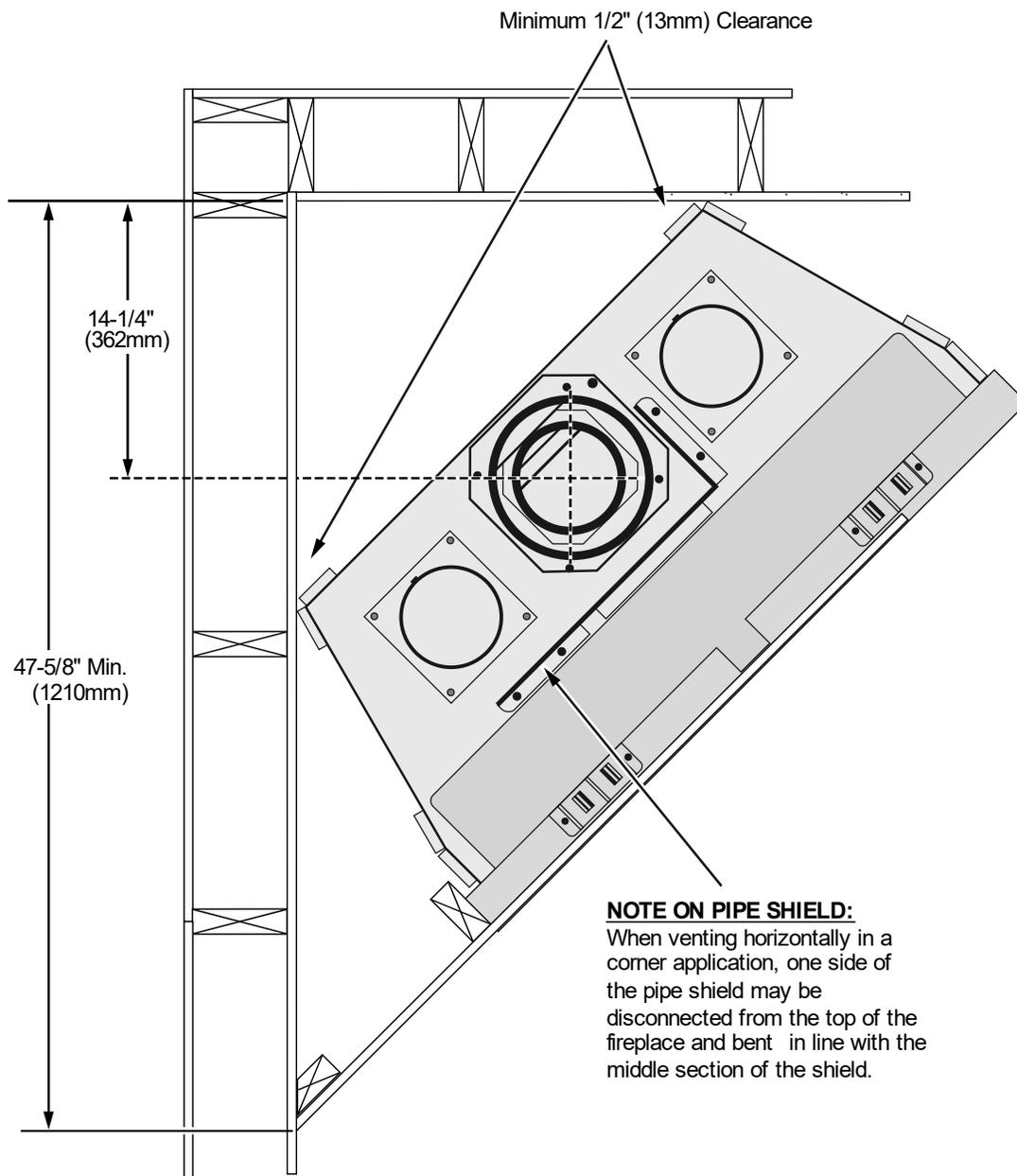
Submerged Facing

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



Corner Installations

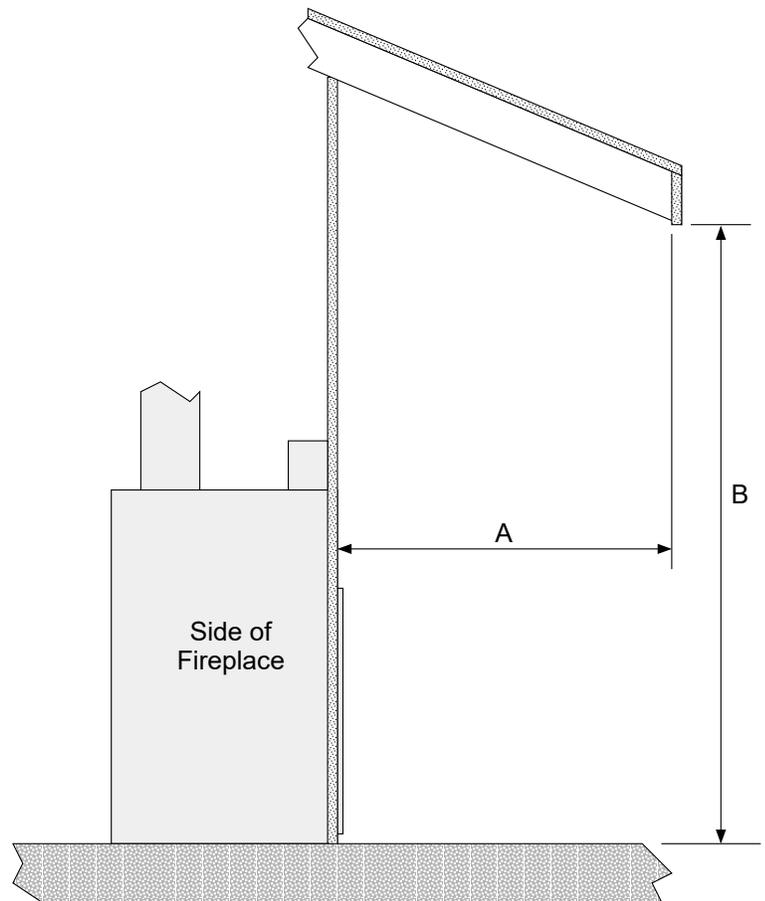
A typical 45° installation uses the framing dimensions shown in the illustration below (NOTE: all clearances still apply).



16 Finalizing the Installation (for qualified installers only)

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'.

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

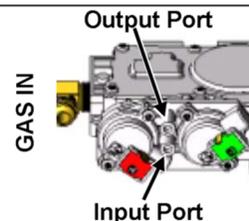
Gas Pressure	Max. Input Pressure	Min. Input Pressure	Max. Manifold Pressure	Min. Manifold Pressure
Natural Gas	7" W.C. (1.74 kPA)	5.5" W.C. (1.37 kPA)	3.5" W.C. (0.87 kPA)	1.6" W.C. (0.40 kPA)
Propane	13" W.C. (3.23 kPA)	11" W.C. (2.74 kPA)	11" W.C. (2.74 kPA)	2.9" W.C. (0.72 kPA)

- 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.

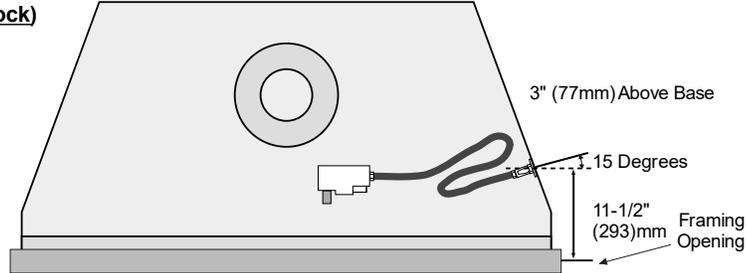


18 Finalizing the Installation (for qualified installers only)

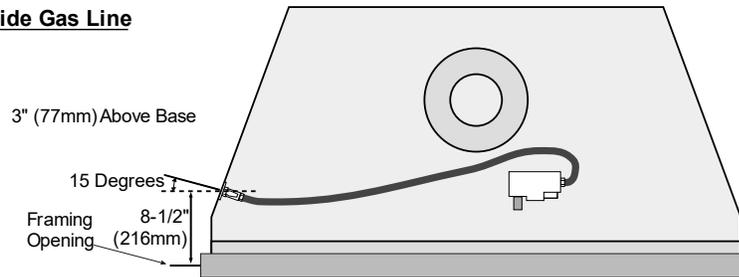
Gas Line Location

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

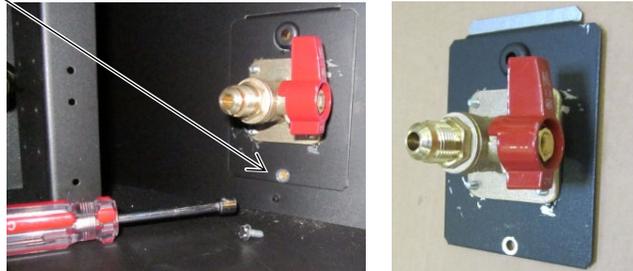
ACCESSING THE AREA UNDER THE BURNER

If switching the gas line to the left side, see page 20 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" nut driver). Remove the shutoff valve plate.

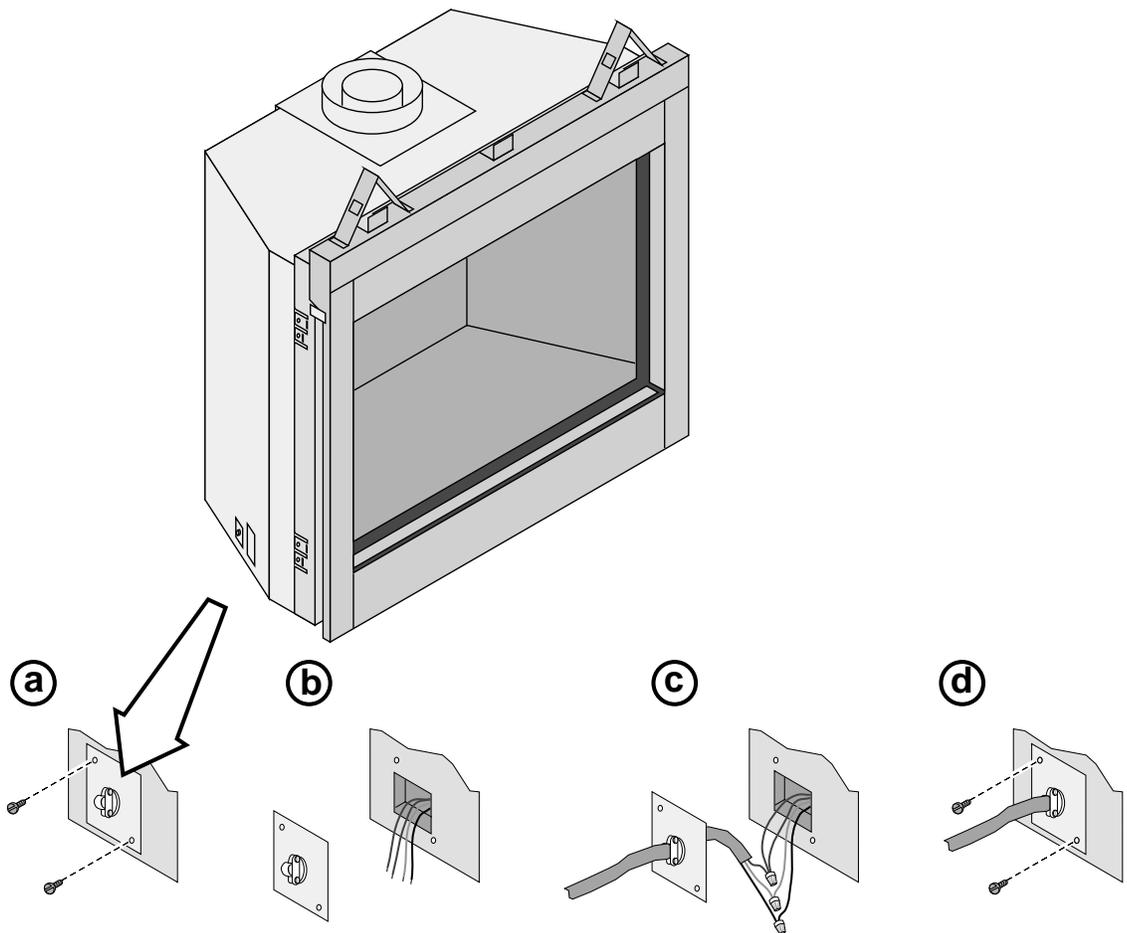


3. Remove the cover plate from the left side of the fireplace (it is held in place in the same fashion as the shutoff valve plate). Attach it to the right side of the fireplace.
4. Attach the shutoff valve plate to the left side of the fireplace. Route the gas line to the left side and re-attach the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

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 120 Volts at 60 Hz (2 Amps).

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

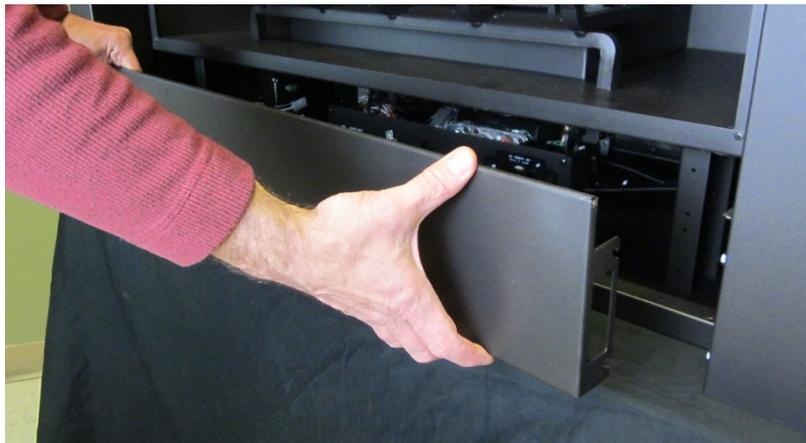
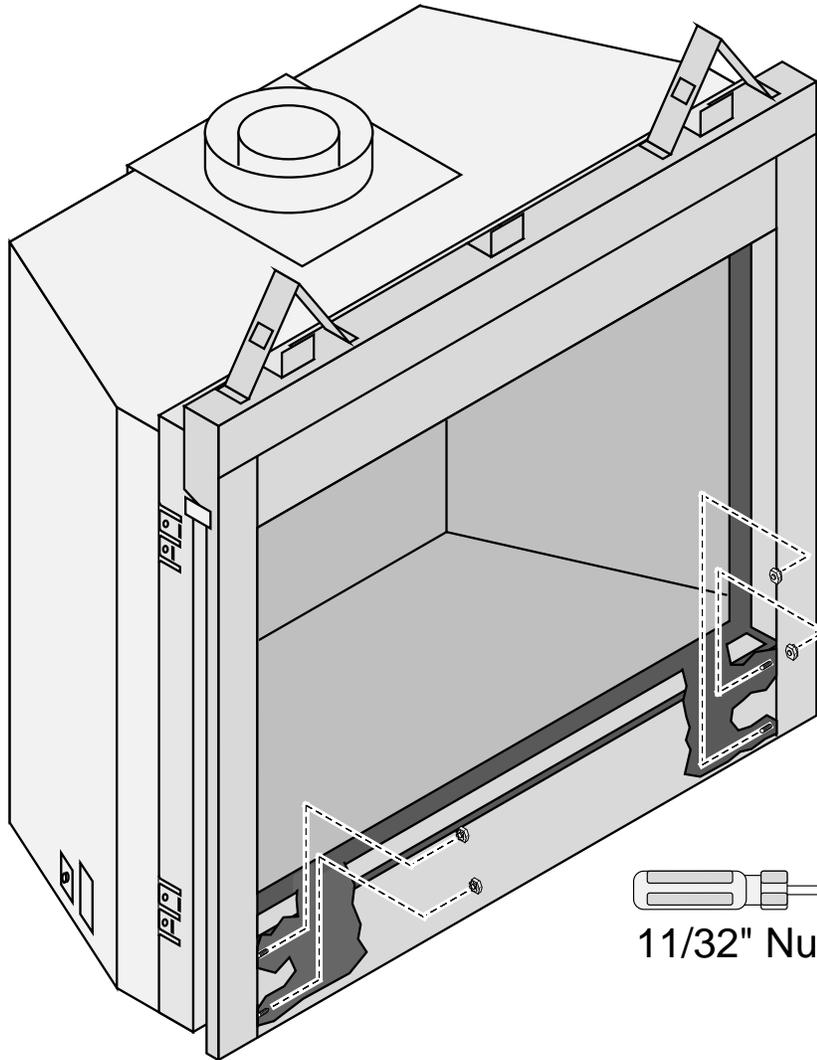


20 Finalizing the Installation (for qualified installers only)

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.



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

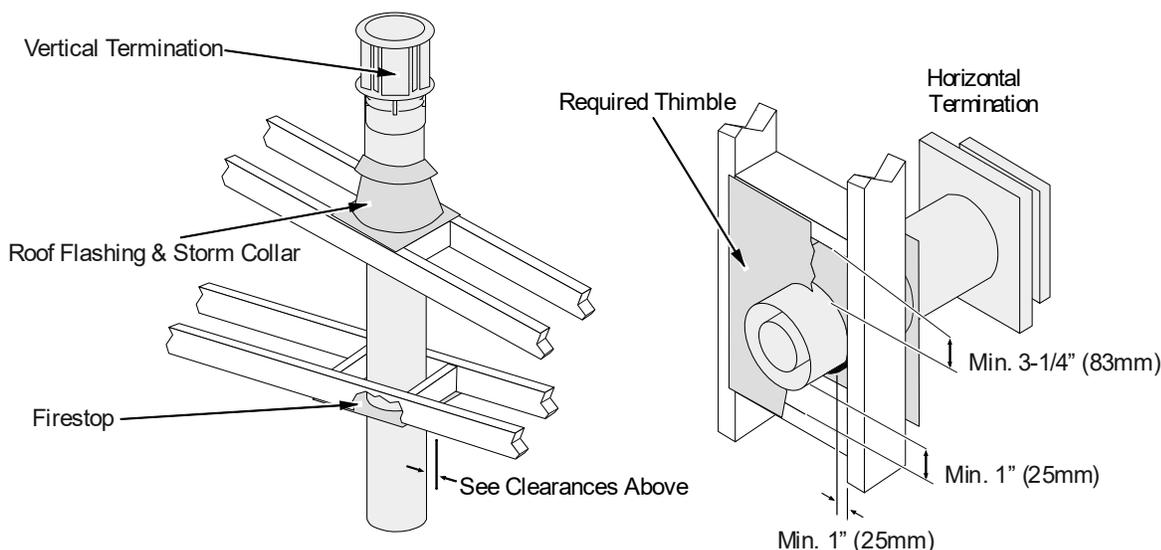
This direct vent appliance requires natural draft to operate (similar to a wood stove or other heating appliance). Draft can be adjusted using the included restrictor. The restrictor settings detailed in the manual should be followed (variations may occur depending upon installation parameters).

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)



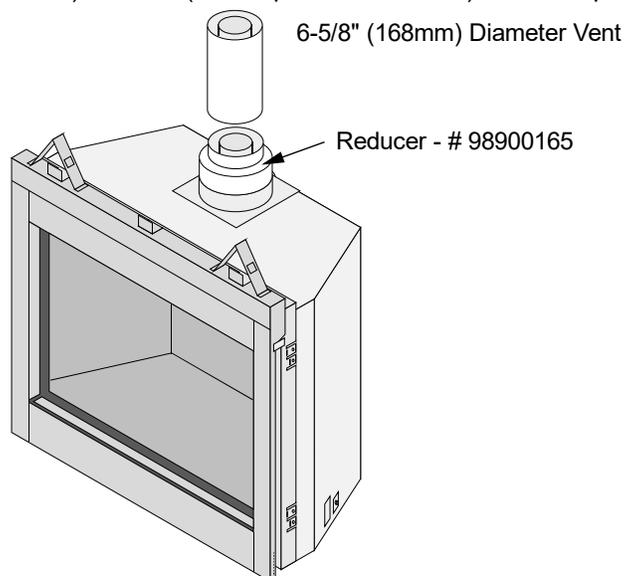
Altitude Considerations

- 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.

22 Finalizing the Installation (for qualified installers only)

Approved Vent

- **Horizontal Terminations:** use 8" (203mm) diameter Dura-Vent Model Direct-Vent Pro*.
- **Vertical Terminations:** 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.



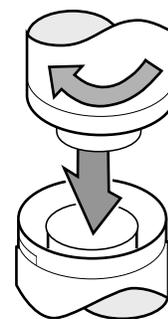
* Other vent may be approved with this fireplace. Check with the vent manufacturer for details.

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 the 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)



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.

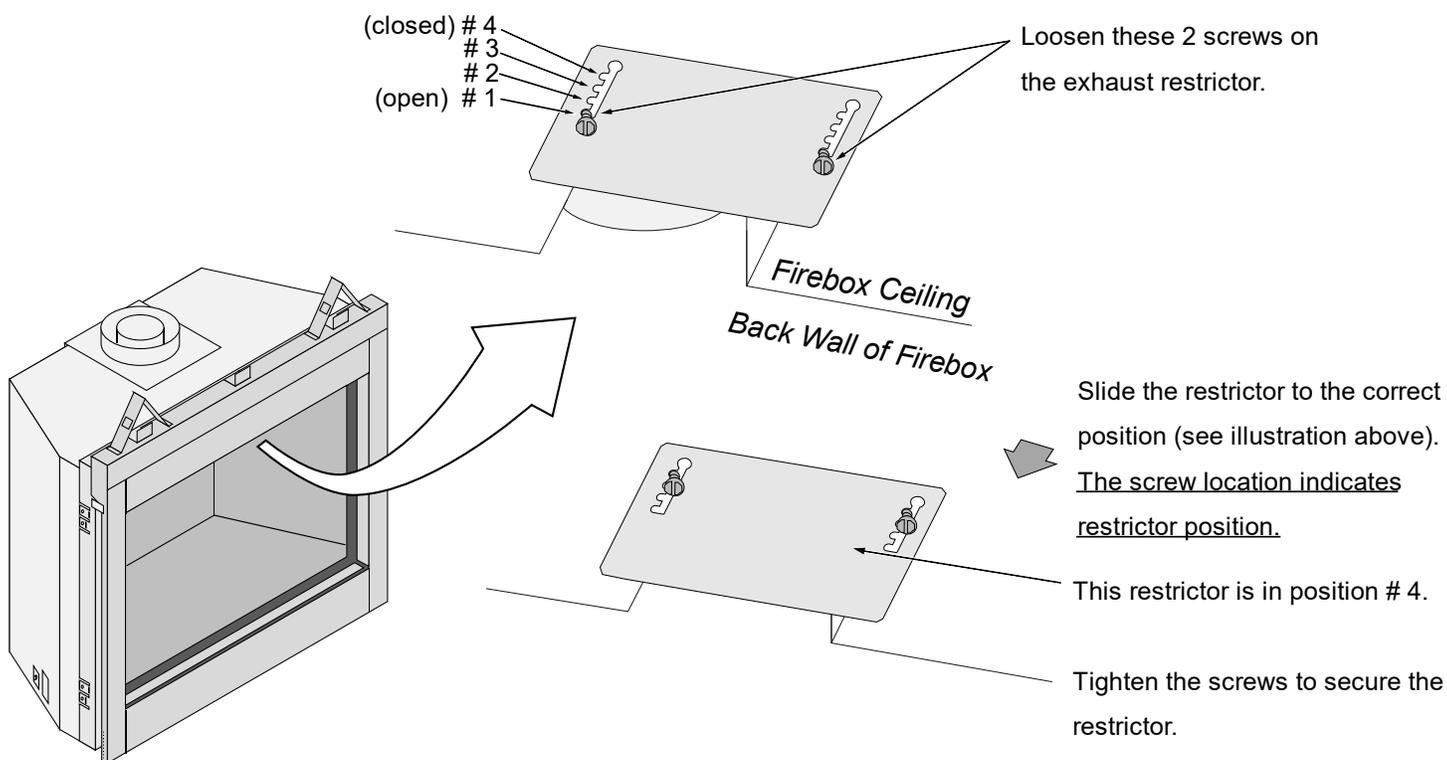
Exhaust Restrictor Adjustment

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.

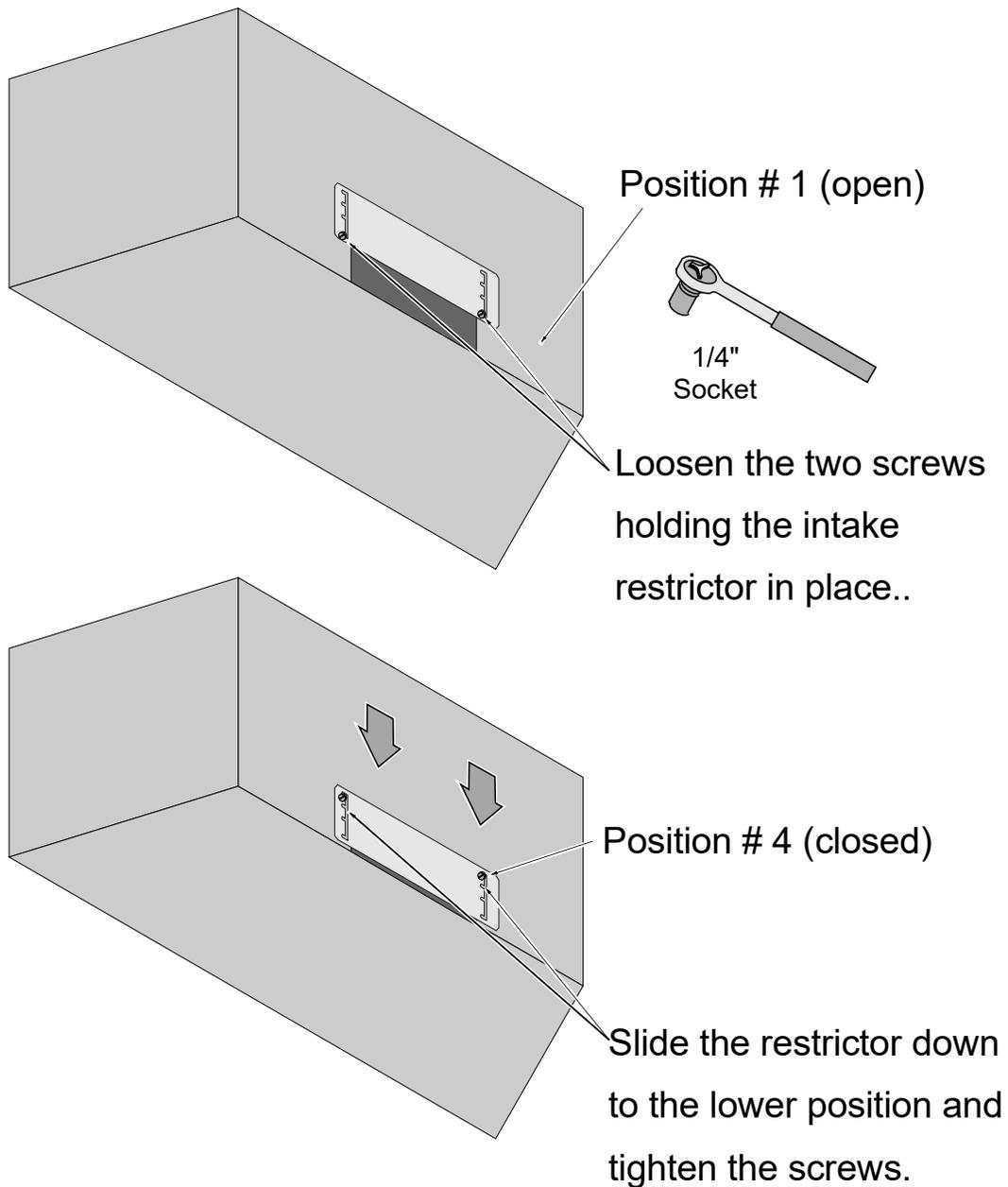
NOTE: If removing the restrictor, make sure to replace the screws in the firebox ceiling.



24 Finalizing the Installation (for qualified installers only)

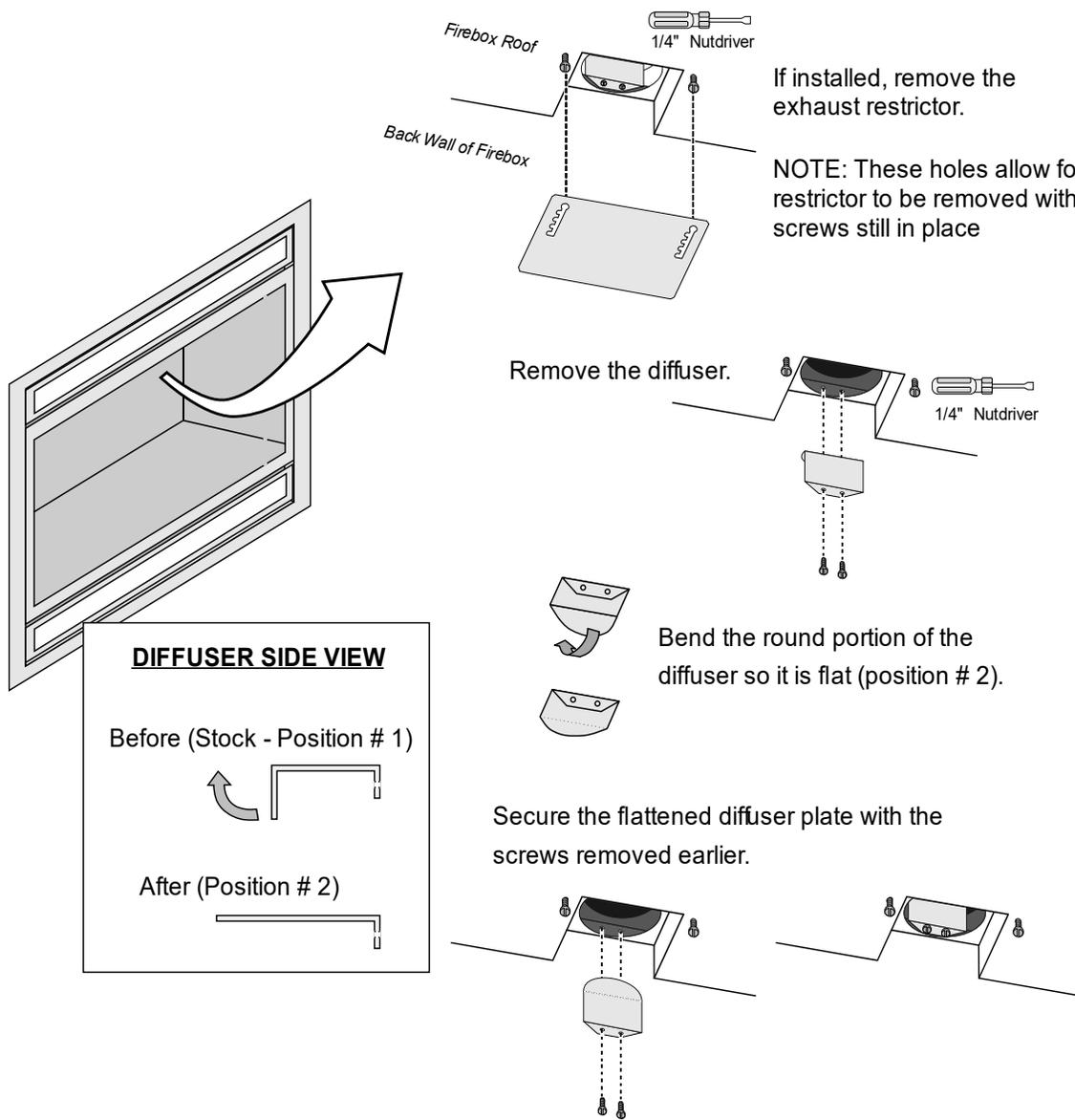
Intake Restrictor Adjustment

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

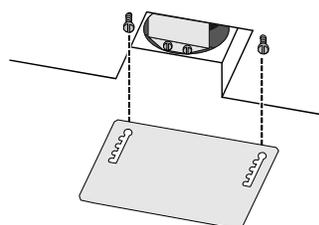


Diffuser Plate Adjustment

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.

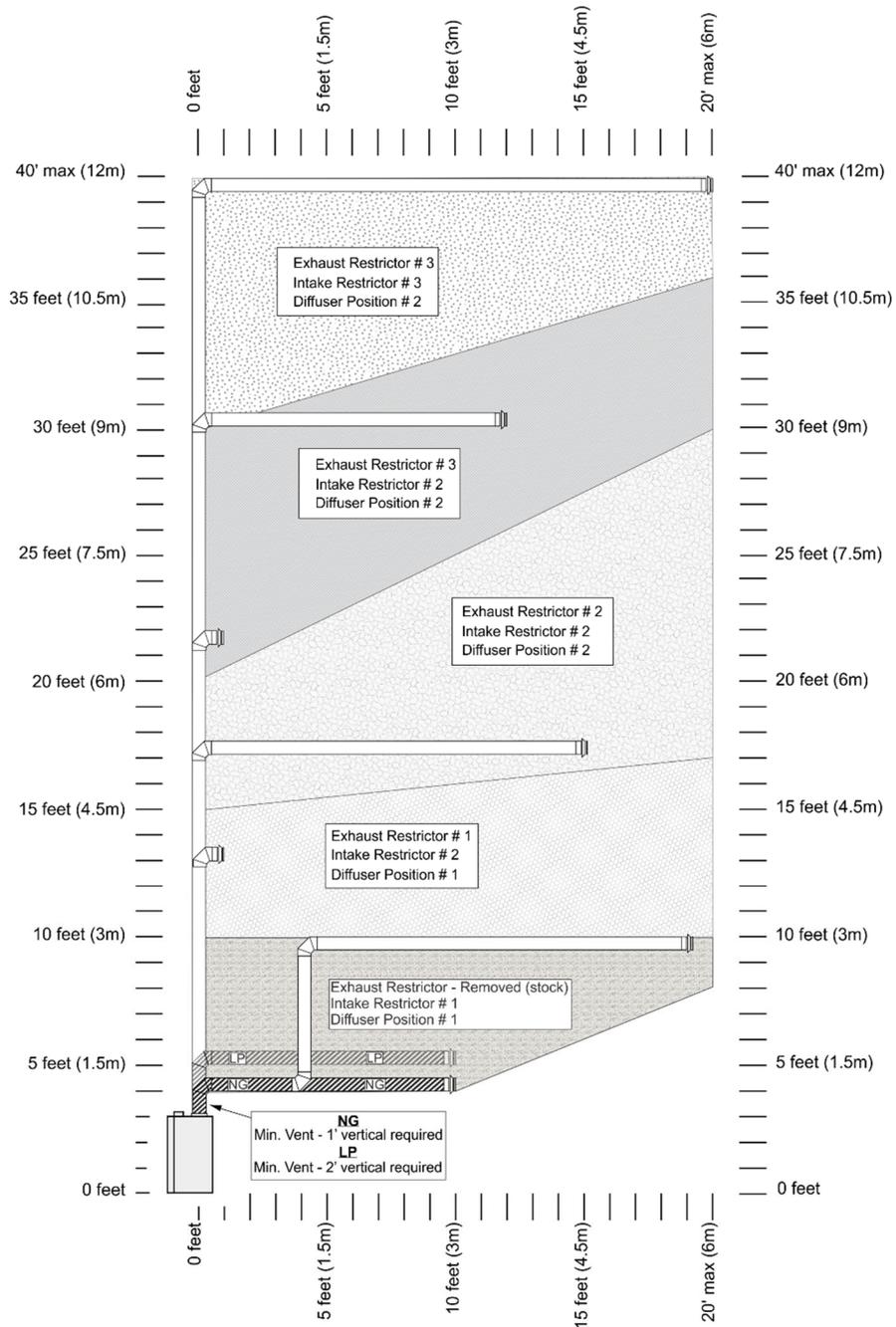


If needed, Replace the exhaust restrictor (see "Exhaust Restrictor Adjustment" for details).

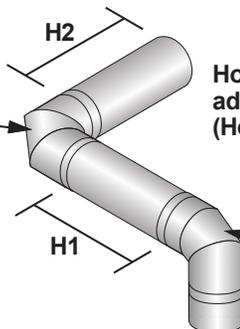


Top Vent Configuration with Horizontal Termination

- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor and diffuser positions.
- Up to four elbows (30°, 45°, 60° or 90°) may be used.
- Use 8" vent.
- Only one horizontal elbow may be used.



This is considered a horizontal elbow (it doesn't matter whether it turns right or left). It may be a 30°, 45°, 60°, or 90° elbow.



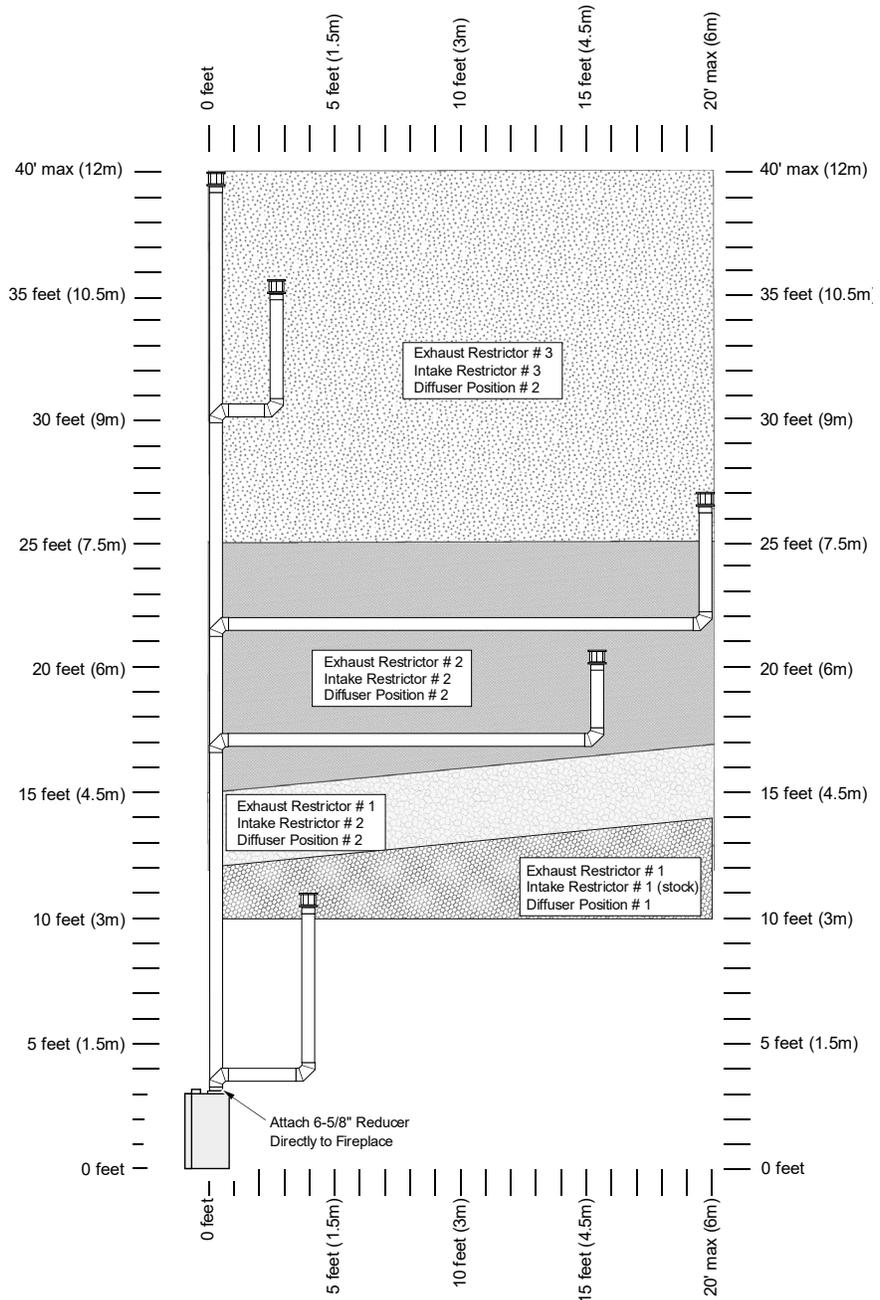
Horizontal length is calculated by adding both lengths of horizontal run (Horizontal Length = H1 + H2).

This is considered a vertical elbow.

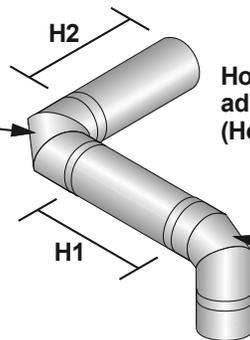
28 Finalizing the Installation (for qualified installers only)

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 (30°, 45°, 60° or 90°) may be used.
- Only one horizontal elbow may be used.
- Use 6-5/8" diameter vent. Attach the 8" to 6-5/8" reducer (Travis part # 98900165) to the fireplace.



This is considered a horizontal elbow (it doesn't matter whether it turns right or left). It may be a 30°, 45°, 60°, or 90° elbow.



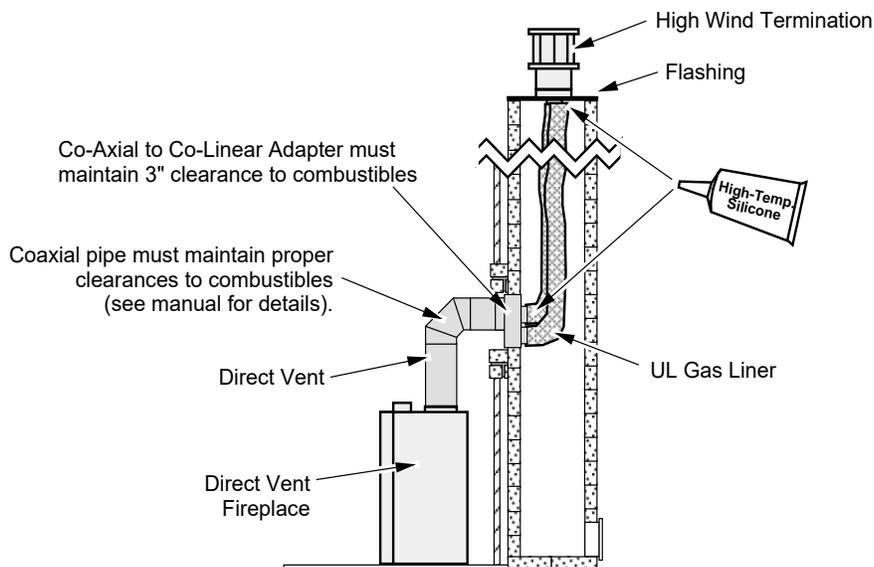
Horizontal length is calculated by adding both lengths of horizontal run (Horizontal Length = H1 + H2).

This is considered a vertical elbow.

Masonry Chimney Conversions

This appliance may utilize 6-5/8" diameter direct vent manufactured by Duravent (reducer may be required). The vent may be adapted to utilize an existing masonry fireplace using the Duravent Co-Linear Adapter (46DVA-GCL or TCL). The vent must be installed following all directions included with the vent and those listed below:

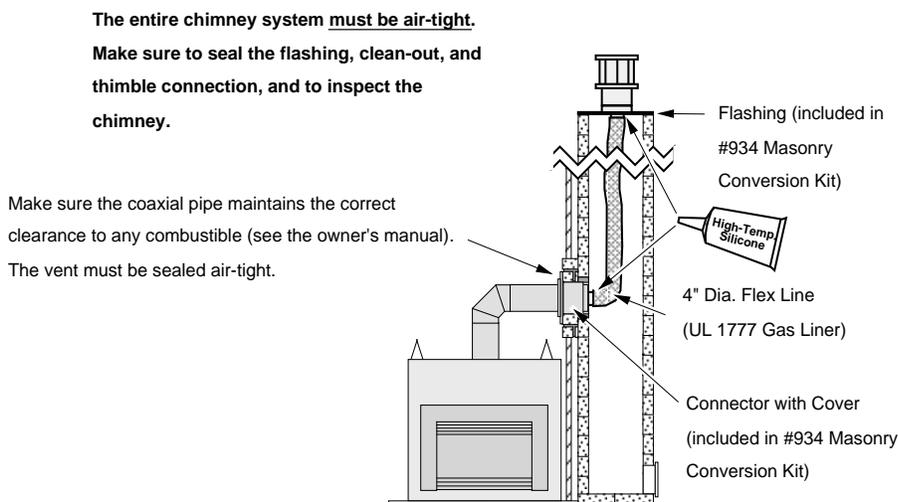
- All requirements in the appliance manual must be met. This includes compliance with vent configuration charts.
- The restrictor position should be set to the position that most closely resembles the vent configuration. NOTE: because this installation utilizes non-standard vent, the restrictor position may vary. Carefully monitor the burn characteristics to verify correct restrictor position.
- The UL gas liner must only be run through the fireplace/chimney (the entire length of the liner must be retained within the fireplace/chimney). Do not run the liner near combustibles.



This appliance may utilize 6-5/8" diameter direct vent manufactured by Duravent (reducer may be required). The vent may be adapted to utilize an existing masonry fireplace using the Duravent Masonry Chimney Conversion Kit (part # 46DVA-KMC). The vent must be installed following all directions included with the vent and those listed below:

NOTE: Before proceeding with the following installation example, check with the local building jurisdiction to verify that this type of installation is allowed in your area.

- All requirements in the appliance manual must be met. This includes compliance with vent configuration charts.
- The restrictor position should be set to the position that most closely resembles the vent configuration. NOTE: because this installation utilizes non-standard vent, the restrictor position may vary. Carefully monitor the burn characteristics to verify correct restrictor position.
- The UL gas liner must only be run through the fireplace/chimney (the entire length of the liner must be retained within the fireplace/chimney). Do not run the liner near combustibles.



30 Finalizing the Installation (for qualified installers only)

Class A Chimney Conversion

Duravent provides a conversion kit for those wishing to use an existing class A chimney to vent this direct fireplace. The illustration below gives an overview of this type of installation. See the instructions included with the kit for details.

- All requirements in the appliance manual must be met. This includes compliance with vent configuration charts. Remember to set the restrictor position to the correct position (based upon the vertical rise height - see the vent charts in the appliance manual).
- These conversion kits do not work on interior masonry chimneys.
- The measurements below refer to the Chimney Inside Diameter

Chimney Conversion Kit A (46DVA-KCA)

6" DuraTech
6" Security Chimney
6" Metalbestos
6" Jackes-Evans
6" Hart & Cooley
6" Pro-Jet

Chimney Conversion Kit B (46DVA-KCB)

6" DuraPlus
7"-8" DuraTech
8" Security Chimneys
7"-8" Metalbestos
7"-8" Jackes-Evans
7"-8" Hart & Cooley
7"-8" Pro-Jet
6"-7" Amer. Metals
6"-7" Metal-Fab
6" Air-Jet

Chimney Conversion Kit C (46DVA-KCC)

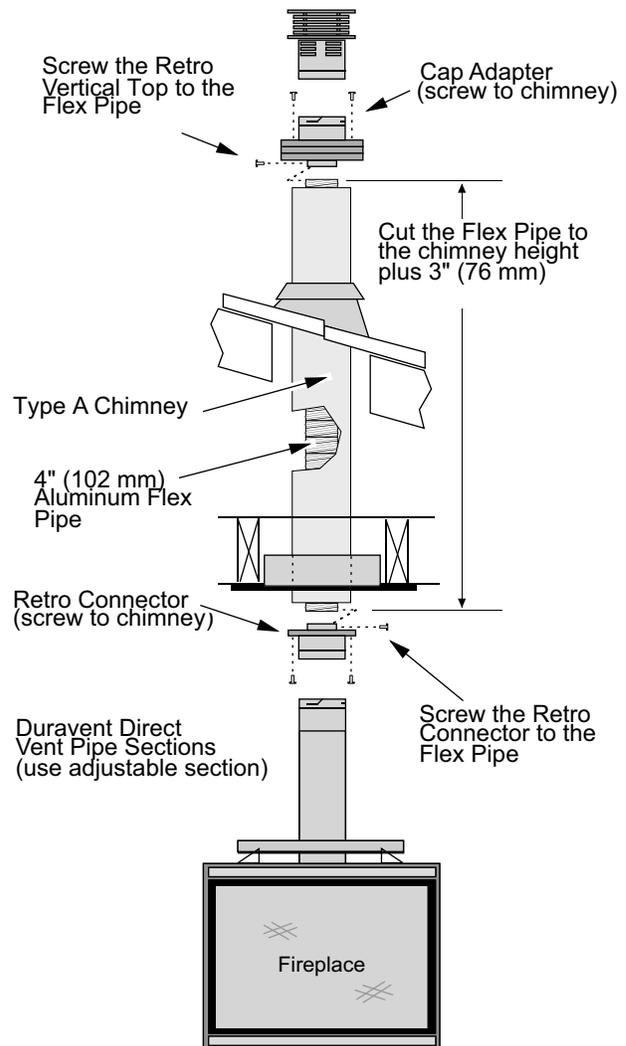
7"-8" DuraPlus
8" American Metals
8" Air-Jet
8" Metal-Fab

Each Kit Contains:

Cap Adapter
Retro Connector

Additional Required Equipment:

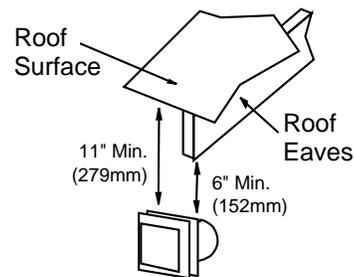
4" Flex (#711 or U.L. 1777)
Termination (46DVA-VCH)
Co-Axial Sections



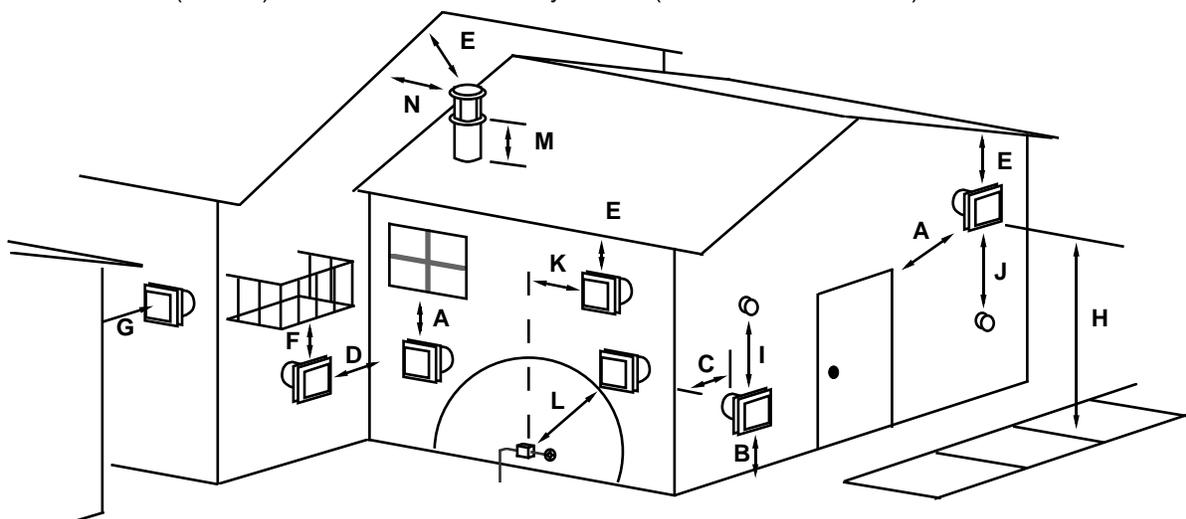
Termination Requirements

! 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 roofline (for vertical terminations)
- N Minimum 24" (610mm) horizontal clearance to any surface (such as an exterior wall) – for vertical terminations



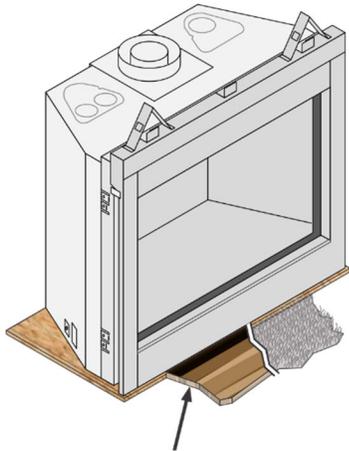
NOTE: Measure clearances to the nearest edge of the exhaust hood.

- 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

32 Finalizing the Installation (for qualified installers only)

Hearth Requirements

No Hearth

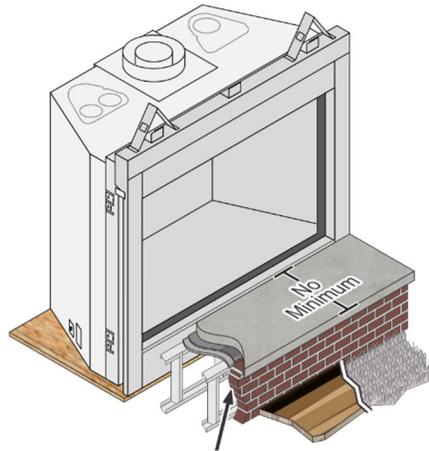


If installed near carpet on other combustible flooring, the fireplace must be raised so the base of the unit is above the carpet surface or flooring material.

WARNING:

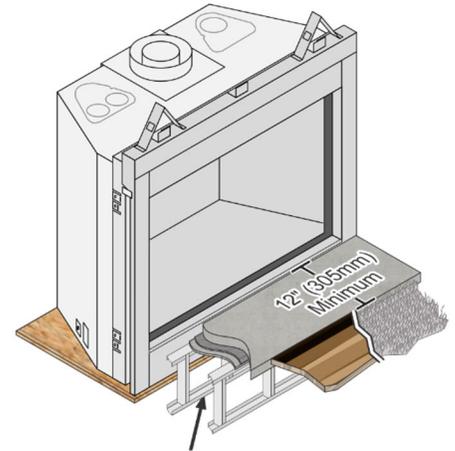
A non combustible hearth is not required. However, if the heater is installed next to the floor, we recommend a hearth to protect the flooring surface from discoloration or other negative impacts from the heater.

Raised Hearth



A hearth may be installed in front of the fireplace and may cover the lower portion of the fireplace up to, but not above the fireplace opening. If a hearth is installed in this manner, the hearth must be entirely constructed of non-combustible material (framing, sheeting, and finish material). There is not minimum hearth depth requirement for this type of installation and combustible flooring may be installed up to the front of the hearth as shown above.

Recessed Fireplace



If the fireplace will be installed so that it is recessed into the floor and the combustible flooring will be on the same level as the non-combustible hearth, the hearth must be entirely constructed of non-combustible material (framing, sheeting, and finish material). For this type of installation, the hearth must be a minimum of 12" (305mm) deep and must not extend above the fireplace opening.

Vinyl Flooring Hearth Recommendations

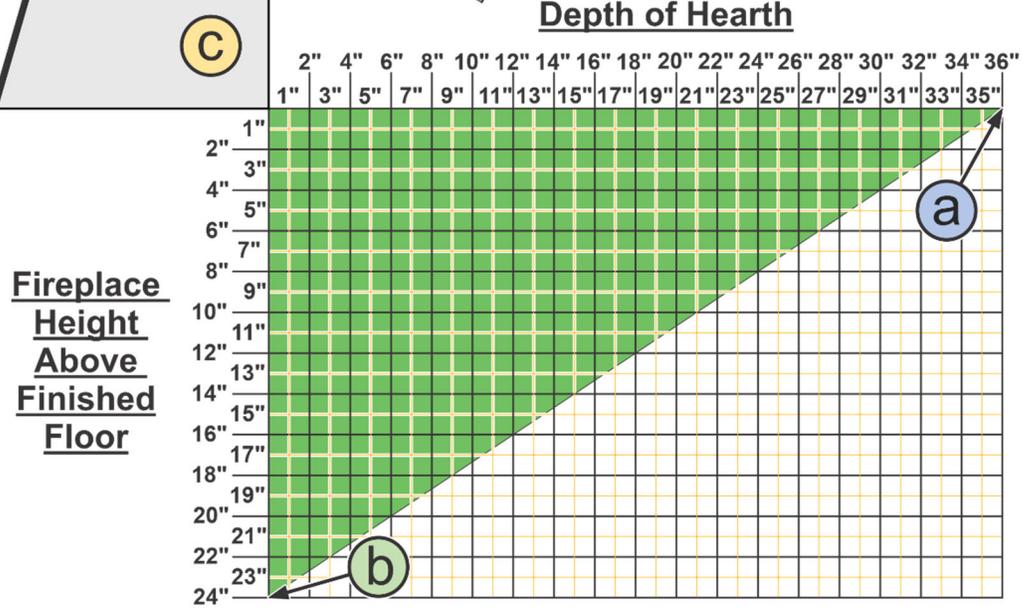
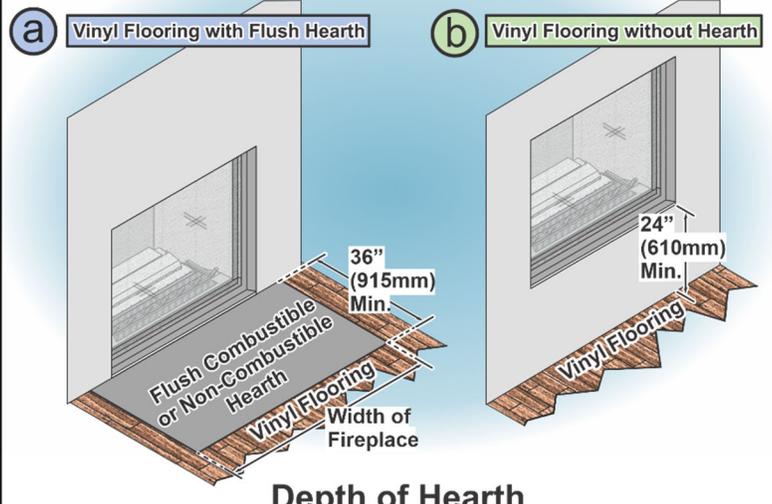
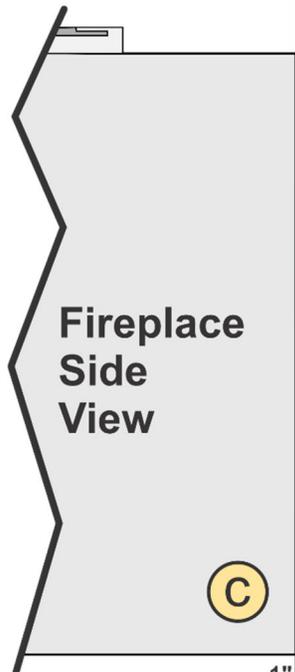
Vinyl flooring such as Luxury Vinyl Plank (LVP), Luxury Vinyl Tile (LVT), and other vinyl flooring can be sensitive to radiant heat and changes in temperature. If using vinyl flooring, we recommend installing the fireplace following the guidelines below. If these recommendations are not followed, the heat from the fireplace may cause discoloration, warping or other negative impacts.

NOTE: If using one of the hearth options, make sure to maintain the gap recommended by the manufacturer between the flooring and the hearth. Seal the gap with a flexible caulk to allow for expansion and contraction of the flooring.

a Install the fireplace at floor level with a 36" (915mm) deep flush hearth (either combustible or noncombustible). The minimum width of the hearth is equal to the width of the outer zero-clearance box of the fireplace.

b Elevate the fireplace 24" (610mm) above the vinyl floor and no hearth is required. The vinyl flooring can be installed up to the wall.

c Determine the height that the fireplace will sit above the finished floor and use the chart to the right to determine the minimum recommended hearth depth.



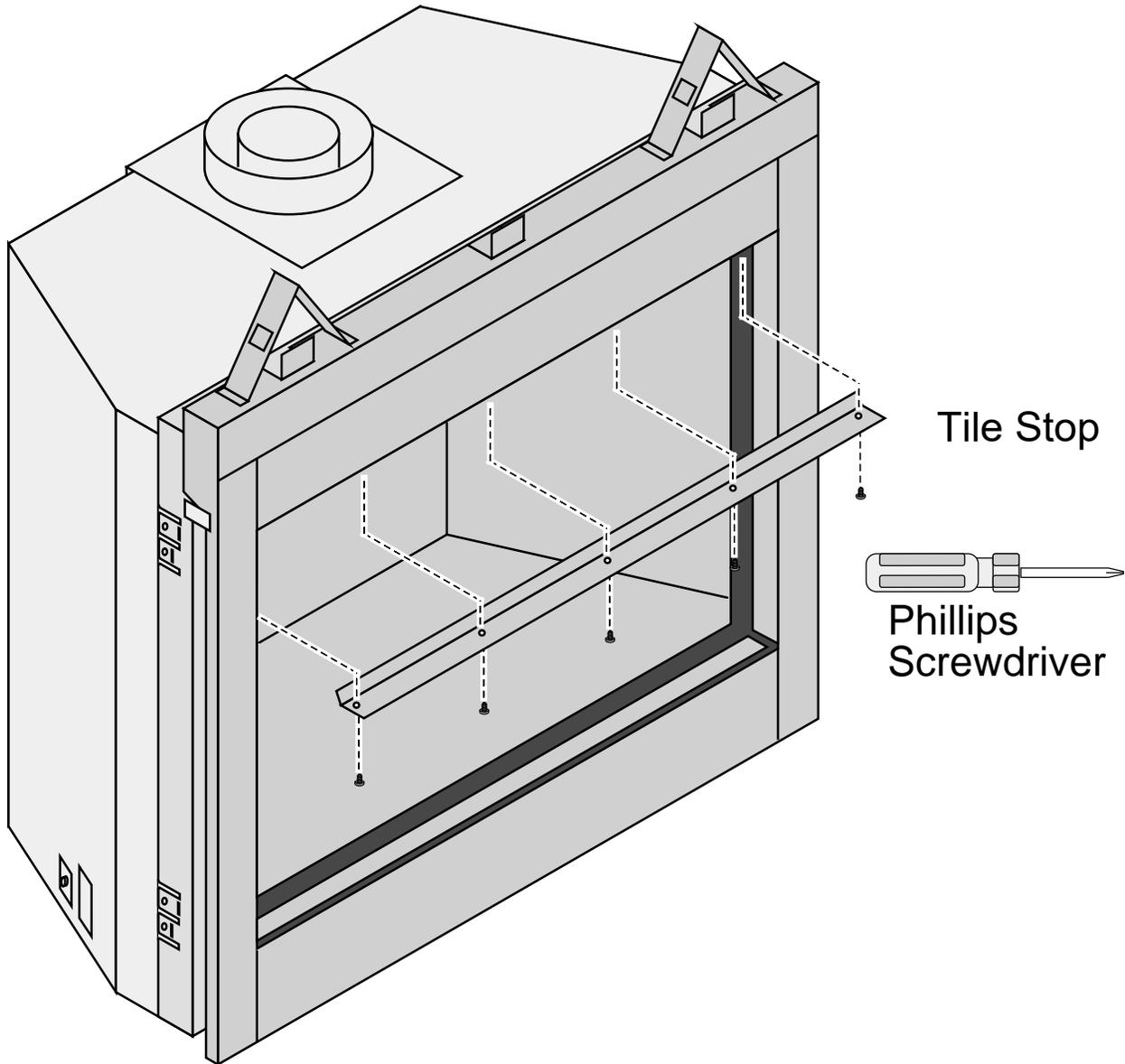
Inch	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"	12"	13"	14"	15"	16"	17"	18"
mm	25	51	77	102	127	153	178	204	229	254	280	305	331	356	381	407	432	458
Inch	19"	20"	21"	22"	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	33"	34"	35"	36"
mm	483	508	534	559	585	610	635	661	686	712	737	762	788	813	839	864	889	915

34 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

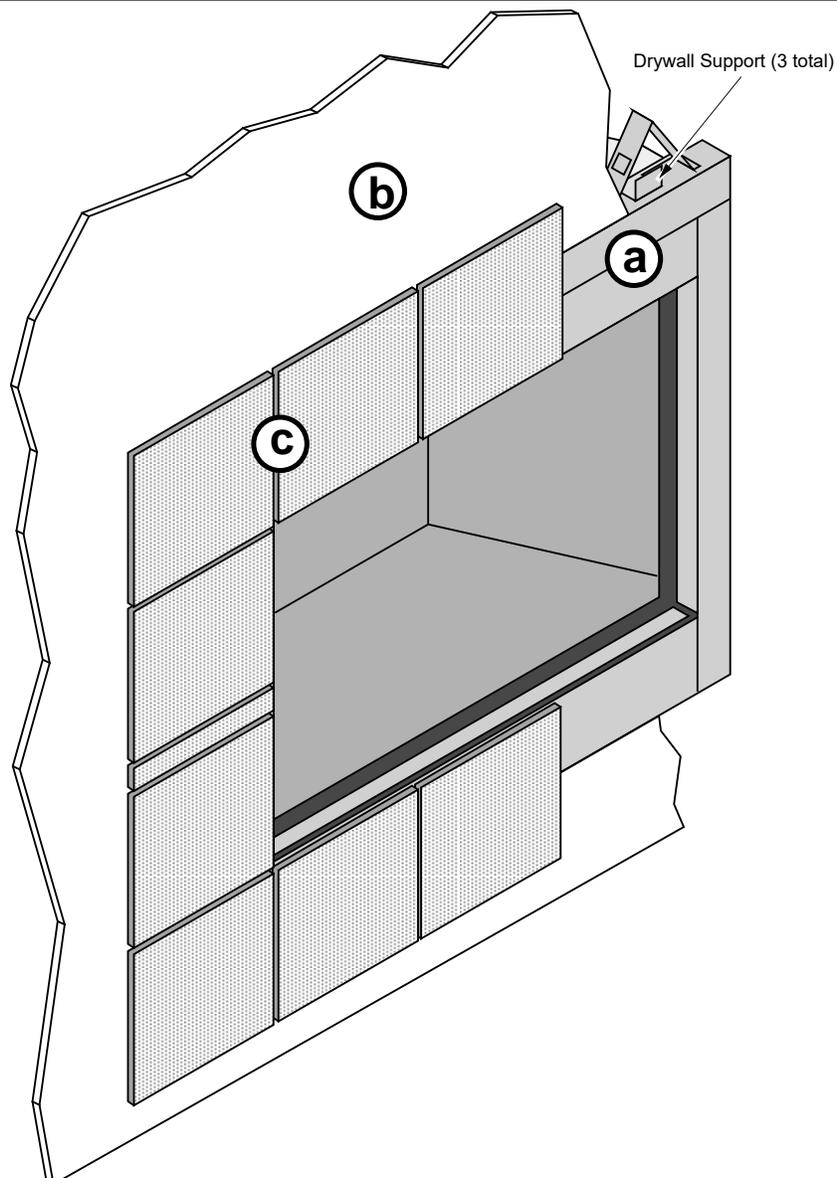
- The front of the fireplace may be left uncovered (see “a” below).
- Drywall (or other combustible) may be placed above, below, and to the sides of the fireplace (not over the front of the fireplace (see “b” below).
- Tile or other non-combustible facing may be placed along the front of the fireplace 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, “modified thinset”, or any product with a polymer additive to secure facing directly to the fireplace or the walls near the fireplace. The high temperatures near the appliance will cause adhesives to emit odors. Use thinset (also called thinset mortar, thinset cement, dryset mortar, or drybond mortar) to attach the facing.

Thinset Defined: An adhesive mortar made of cement, fine sand, and a water-retaining agent such as an alkyl derivative of cellulose

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).

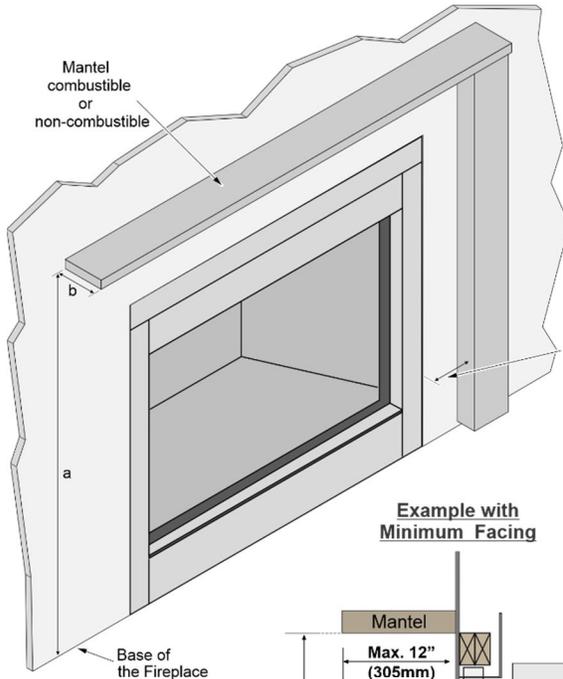


36 Finalizing the Installation (for qualified installers only)

Mantel Requirements

Combustible Mantels

- Use the table below to determine the maximum mantel depth allowed. The mantel depth (measured from the front of the fireplace) must fall in the shaded portion of the table.

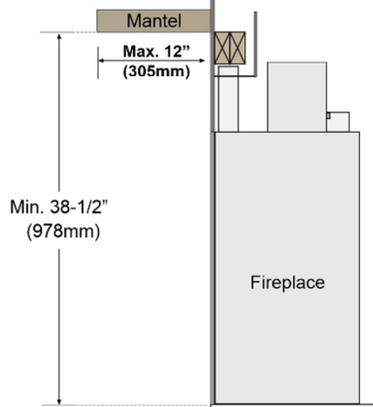


Mantel Height Above Base of Fireplace (a)	Maximum Mantel Depth (b)
39" (991mm)+	0"
38" (965mm)	1" (25mm)
37" (940mm)	2" (51mm)
36" (914mm)	3" (76mm)
35" (889mm)	4" (102mm)
34" (864mm)	5" (127mm)
33" (838mm)	6" (152mm)
	7" (178mm)
	8" (203mm)
	9" (229mm)
	10" (254mm)
	11" (279mm)
	12" (305mm)

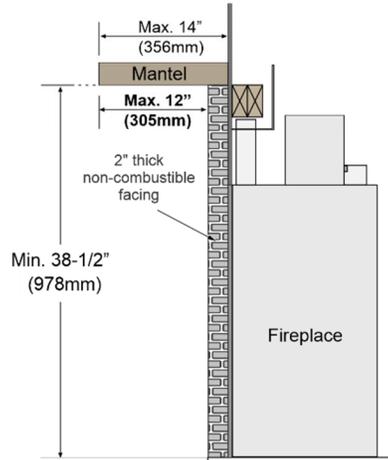
Combustible mantel columns (legs, corbels, etc.) that protrude more than 3/4" (20mm) from the front of the fireplace must meet the 1" (26mm) sidewall clearance. If they protrude 3/4" (20mm) or less, they may be placed directly to the side (but not in front) of the fireplace.

Non-combustible mantel columns do not have a minimum clearance.

Example with Minimum Facing



Example with 2" Thick Non-combustible Facing



NOTE: Any combustible material that protrudes more than 3/4" (19mm) from the front of the facing material is considered a mantel and must meet the mantel requirements.

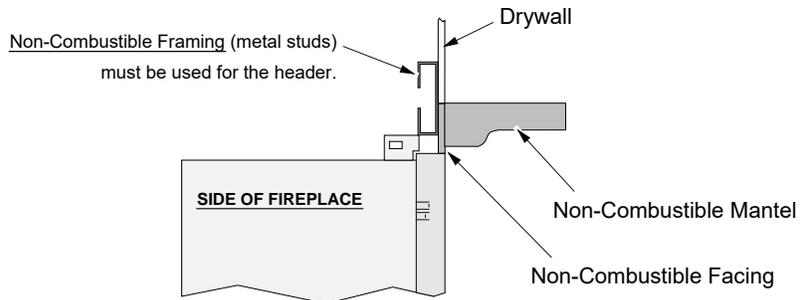
Additional Examples:

- If you wish to have a 6" (152mm) deep mantel, it must be at least 37" (940mm) above the base of the fireplace.
- If you wish to have a 2" (51mm) deep breastplate, it must be at least 36" (914mm) above the base of the fireplace.

Non-Combustible Mantels

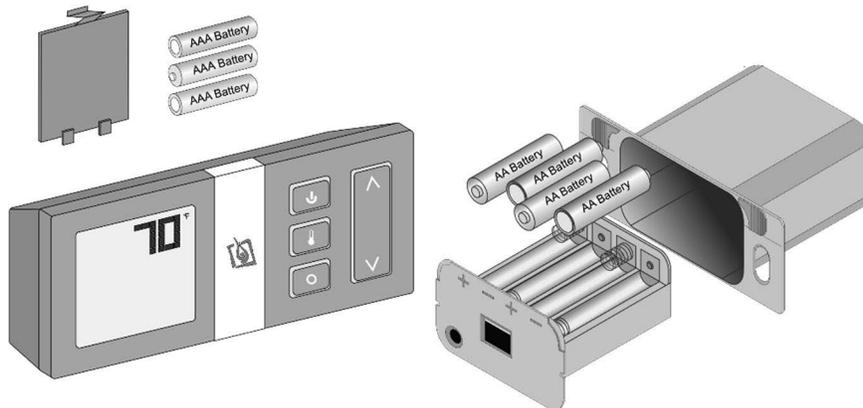
Non-combustible mantels must meet the clearances listed for combustible mantels. However, if you do wish to reduce the clearances by using a non-combustible mantel, the following requirements must be met:

- Non-combustible mantel and facing must extend from the top of the appliance to the top surface of the mantel.
- A non-combustible header must be used (metal stud).



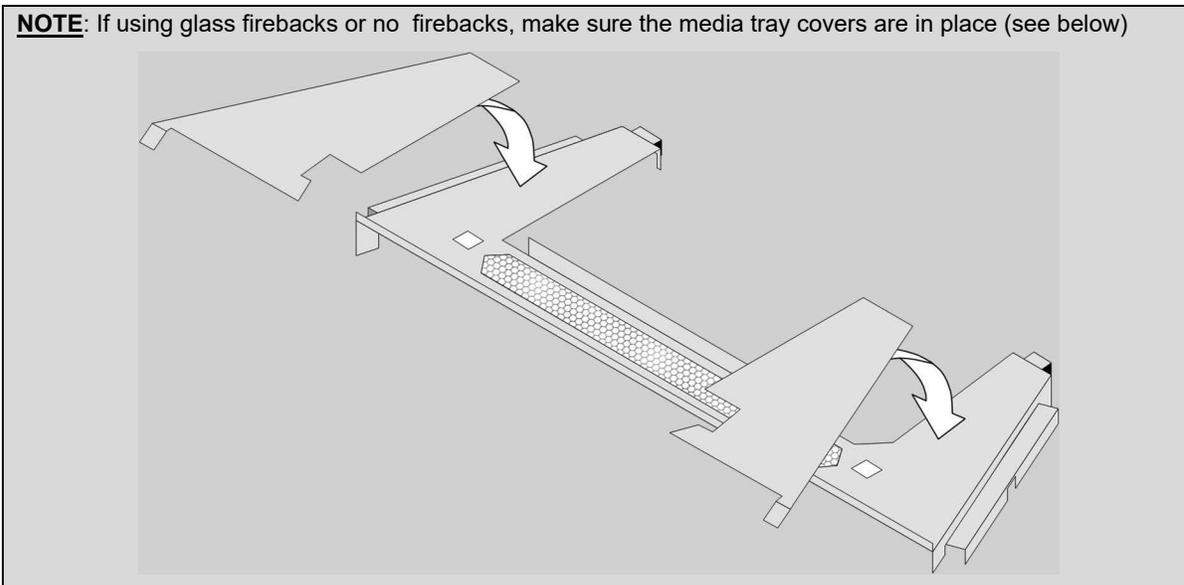
Steps for Finalizing the Installation

1. Remove the glass (see page 39).
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 56).

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



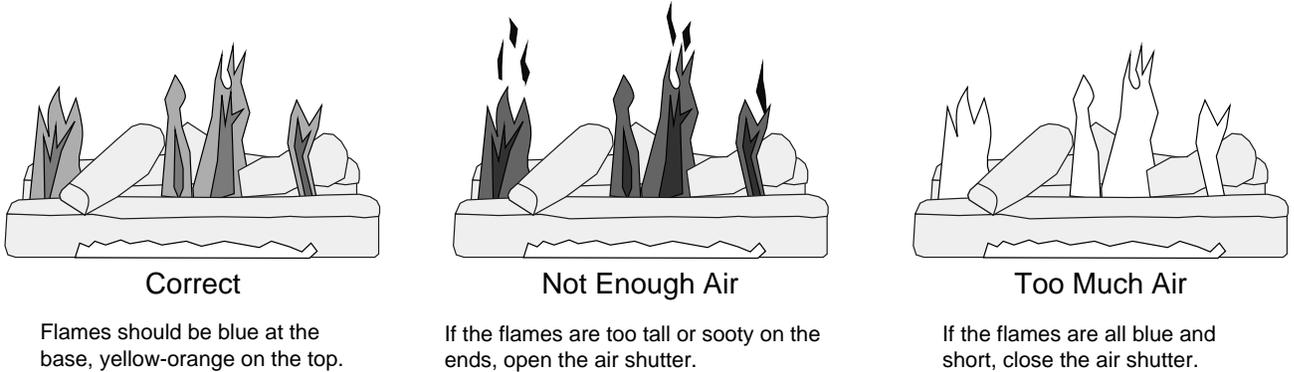
5. Install the ember chunks and ember bed glass (see page 42)
6. Install the logs (see page 44).
7. Replace the glass.
8. Start the heater.
9. Leak test all gas joints.

38 Finalizing the Installation (for qualified installers only)

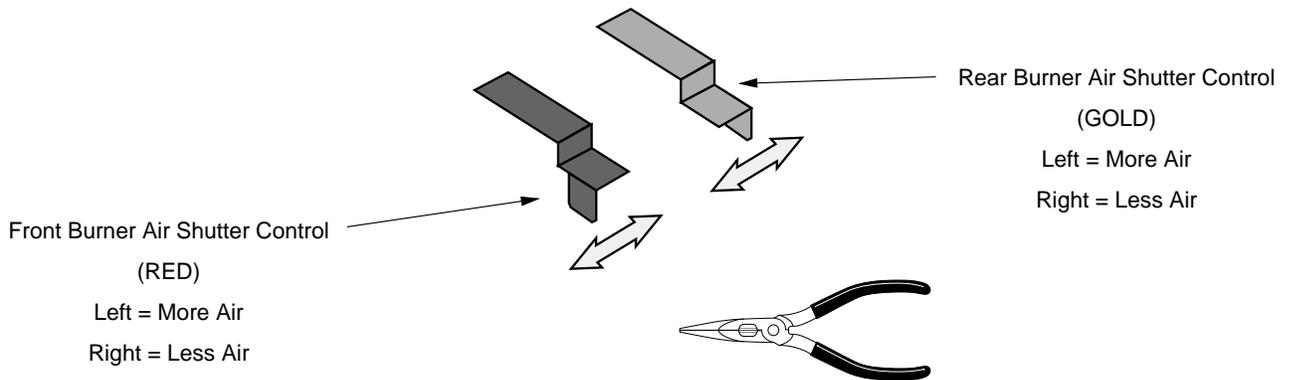
10. Check the air shutter following the directions below.

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 adjustment knob to its highest position - the flames should not contact the top of the firebox. Check the flame on the low setting. 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 homeowner 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.

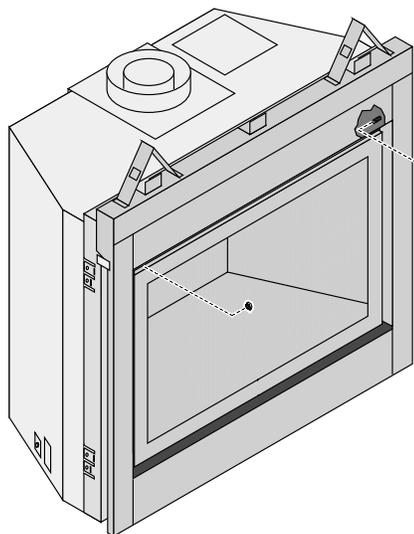
Barrier Removal



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.



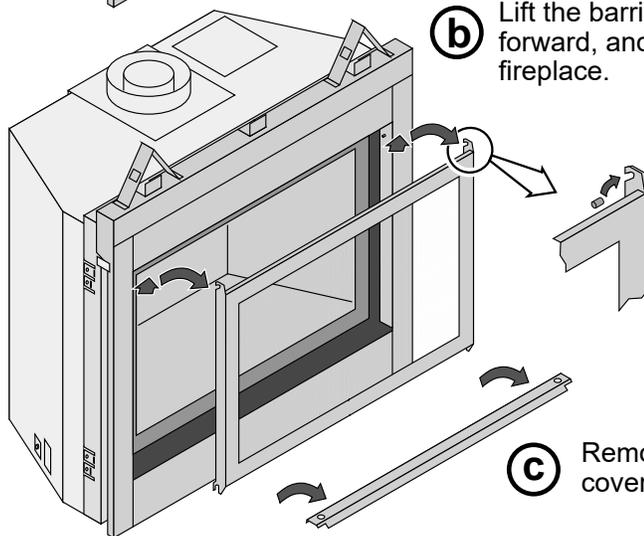
If the barrier becomes damaged, the barrier shall be replaced with the manufacturer's barrier for this appliance.



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



1 1/32" Wrench

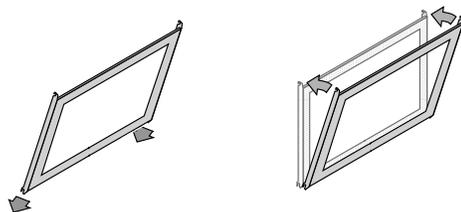


b Lift the barrier up, pivot the top forward, and remove from the fireplace.

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.



40 Finalizing the Installation (for qualified installers only)

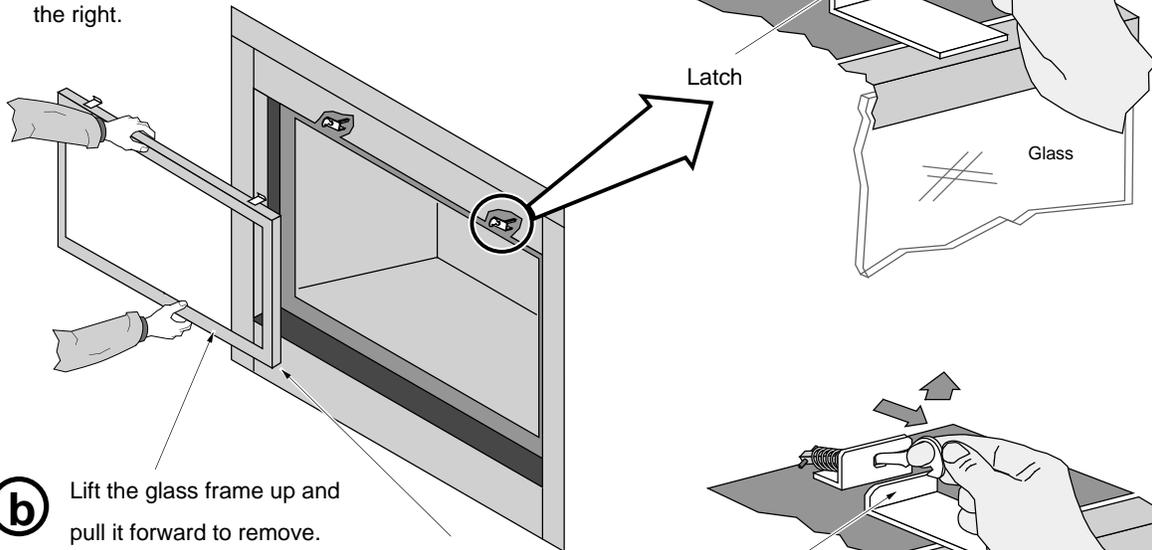
Glass Frame Removal and Installation

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:

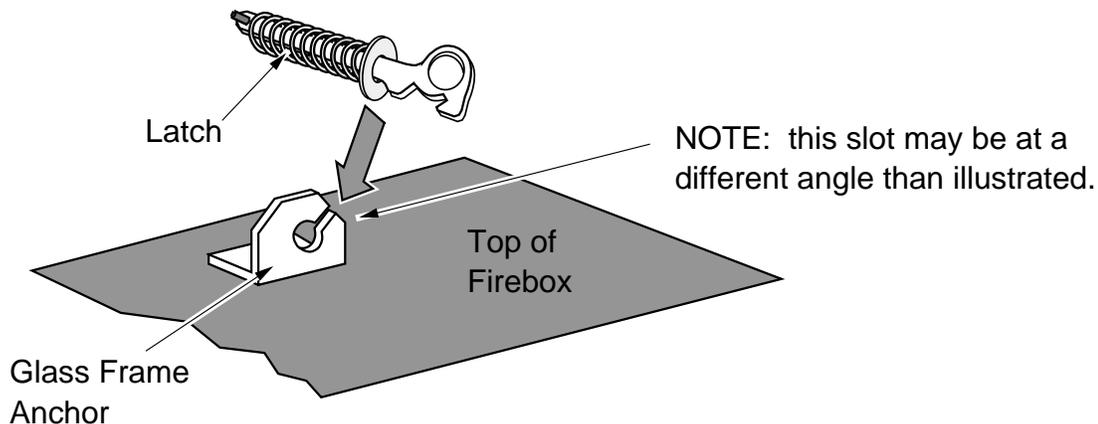
- Hang the glass frame on the firebox.
- While holding in place, attach the upper latches (follow the instructions above in reverse).
- Lift the glass frame slightly and attach the lower latches.

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

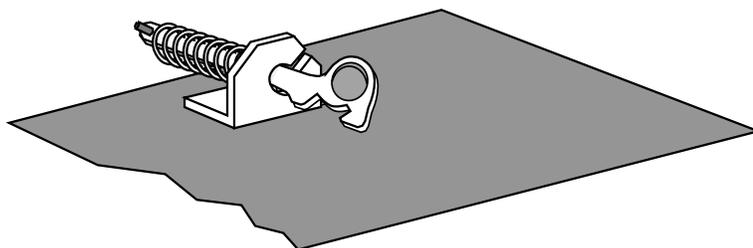
Glass Frame Removal and Installation (continued)

The latch can come loose from the 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.

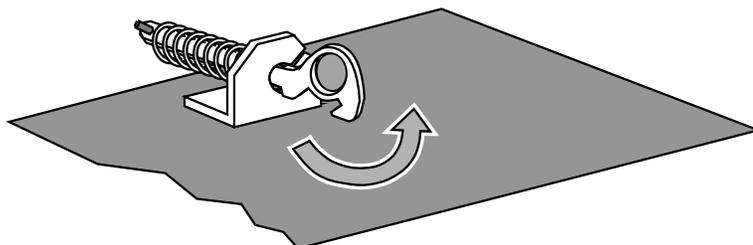
Hold the latch at an angle and insert it into the slot on the glass frame anchor.



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.

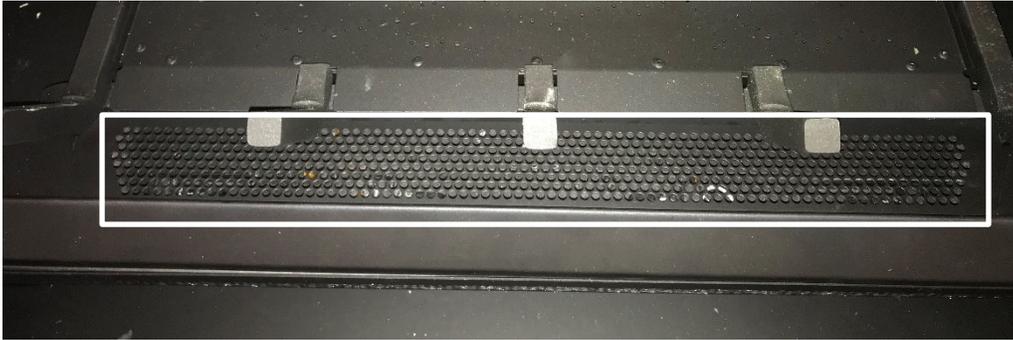


42 Finalizing the Installation (for qualified installers only)

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 black touch-up paint (we recommend Stove Bright®). 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.



44 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.

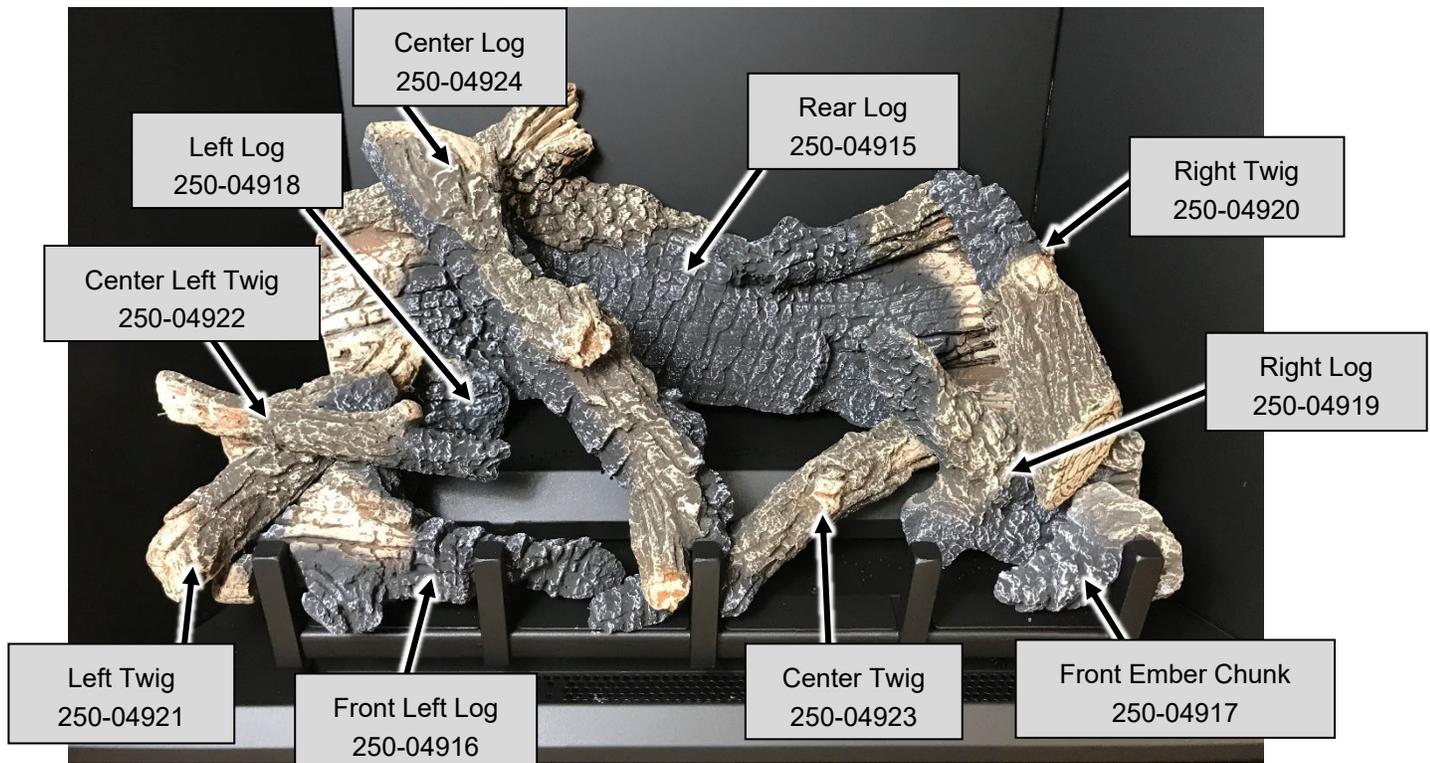
- **The logs are fragile, especially after being exposed to heat.**
- Make sure the gas control valve is OFF and the heater is cool prior to conducting service.
- Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may 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.
- If using optional firebacks make sure to install them before installing the logs.

Installation – Oak vs. Birch

Both log sets are nearly identical in shape. The only difference is the paint scheme and some textural details. Page 2 contains a picture of the birch log set installed. The installation pictures show the classic oak log set.

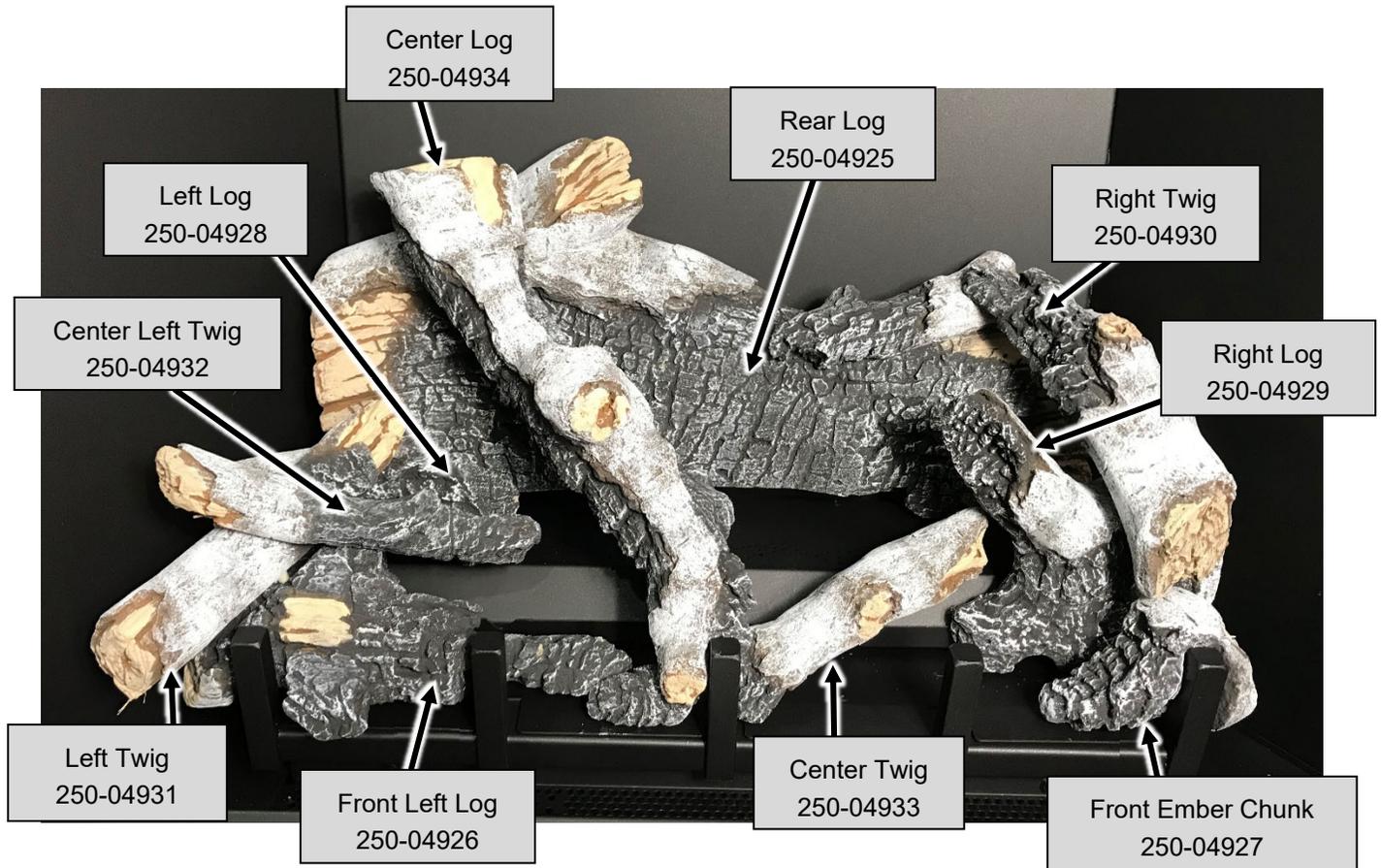
Log Set Overview – Classic Oak 94500626

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



Log Set Overview – Birch 94500624

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



46 Finalizing the Installation (for qualified installers only)

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.



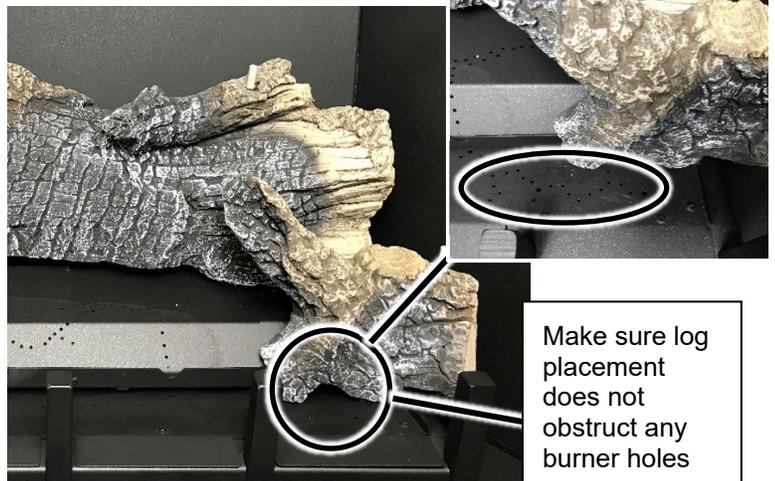
Left Log

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

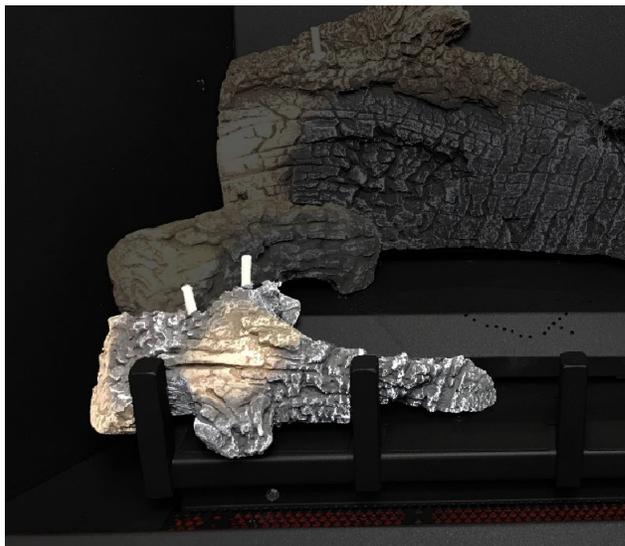
The right log has a channel on the bottom that fits over the ridge on the burner. Place the log in place and slide it to the rear.



48 Finalizing the Installation (for qualified installers only)

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.



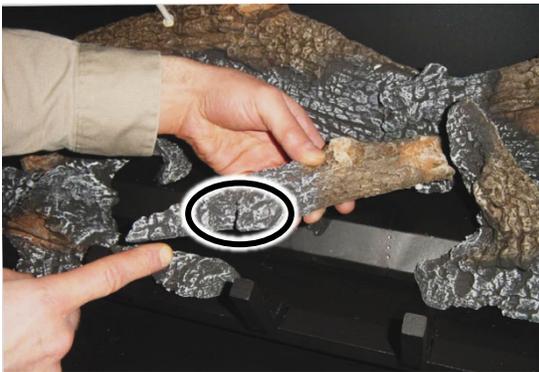
Front Ember Chunk

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



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.



50 Finalizing the Installation (for qualified installers only)

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.



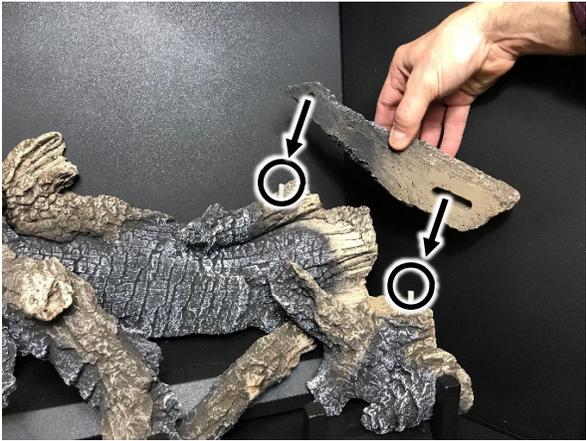
Center Left Twig

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.



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.



52 Finalizing the Installation (for qualified installers only)

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.

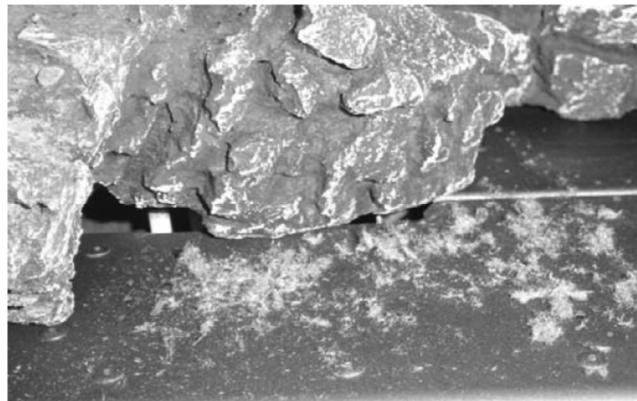
Embers are provided to further enhance the firebox. Place the embers on the firebox floor and the burner. Do not place embers over any of the burner holes or air channels.



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.



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.

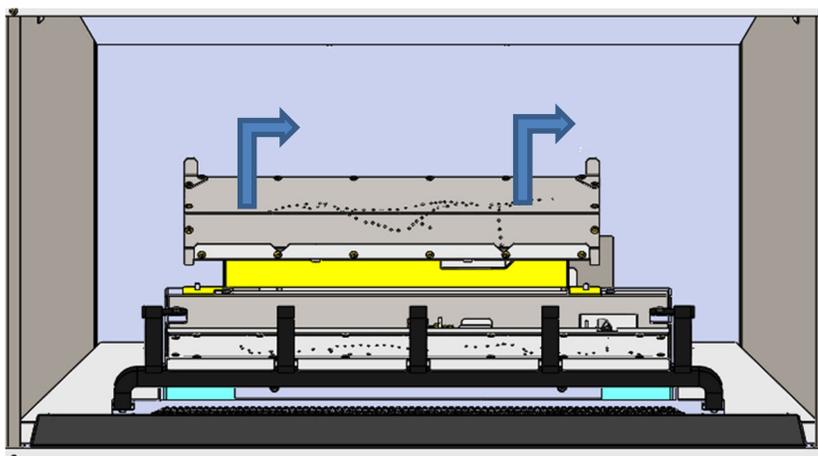
Caution: The gas supply shall be shut off prior to disconnecting the electrical power, before proceeding with the conversion.

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 42)
- 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.



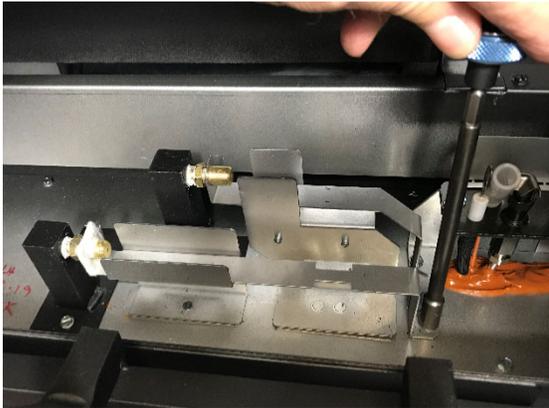
Lift the front burner, slide it to the right, and lift it from the firebox. When replacing the burner make sure it is properly located.



54 Finalizing the Installation (for qualified installers only)

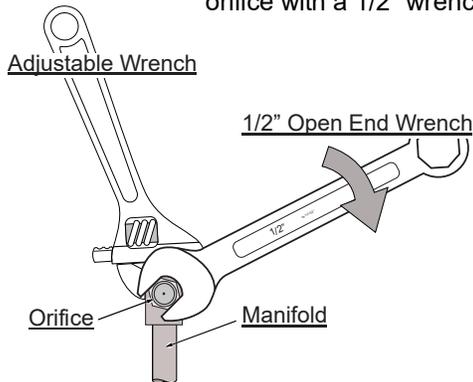
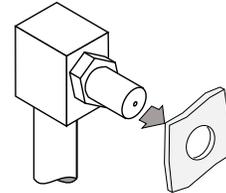
4. Remove the manifold covers.

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



5. Follow the directions below to replace the orifice.

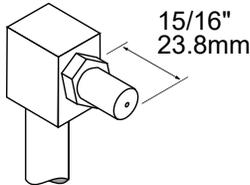
- (a) Slide the air shutters to provide access to the orifices.
- (b) Remove and discard the two gaskets on the front burner orifice.
- (c) Use an adjustable wrench to support the manifold while removing each orifice with a 1/2" wrench.



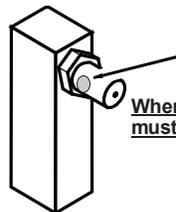
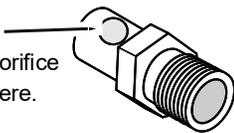
- (d) Apply thread sealant to the LP orifices prior to installation. Use the chart below to identify the correct orifices.



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



NOTE: The "#C55" orifice has a hole here.



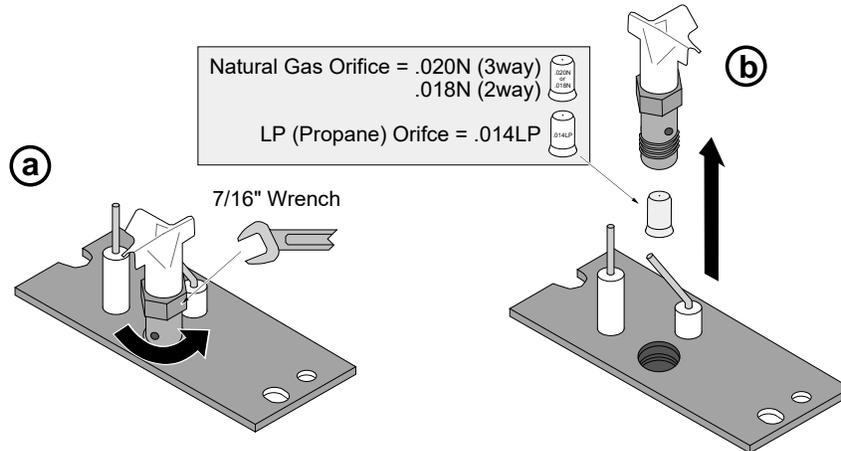
When installed, the hole must be horizontal.

564 Orifice Numbers

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

6. Reinstall the front manifold cover only.

7. 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).



8. 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.

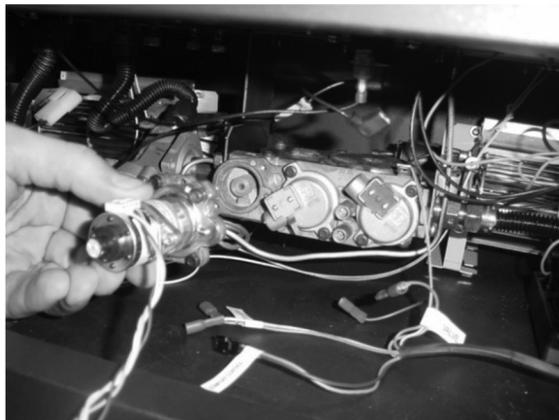


Figure 1

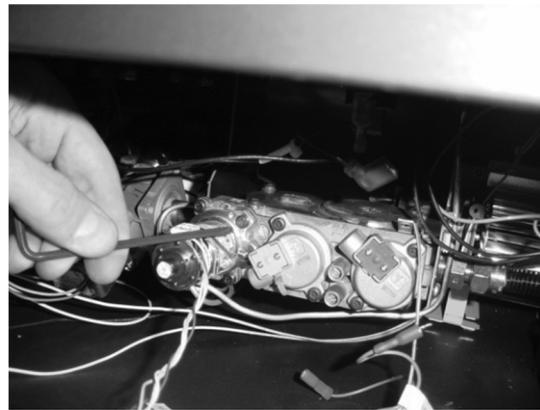


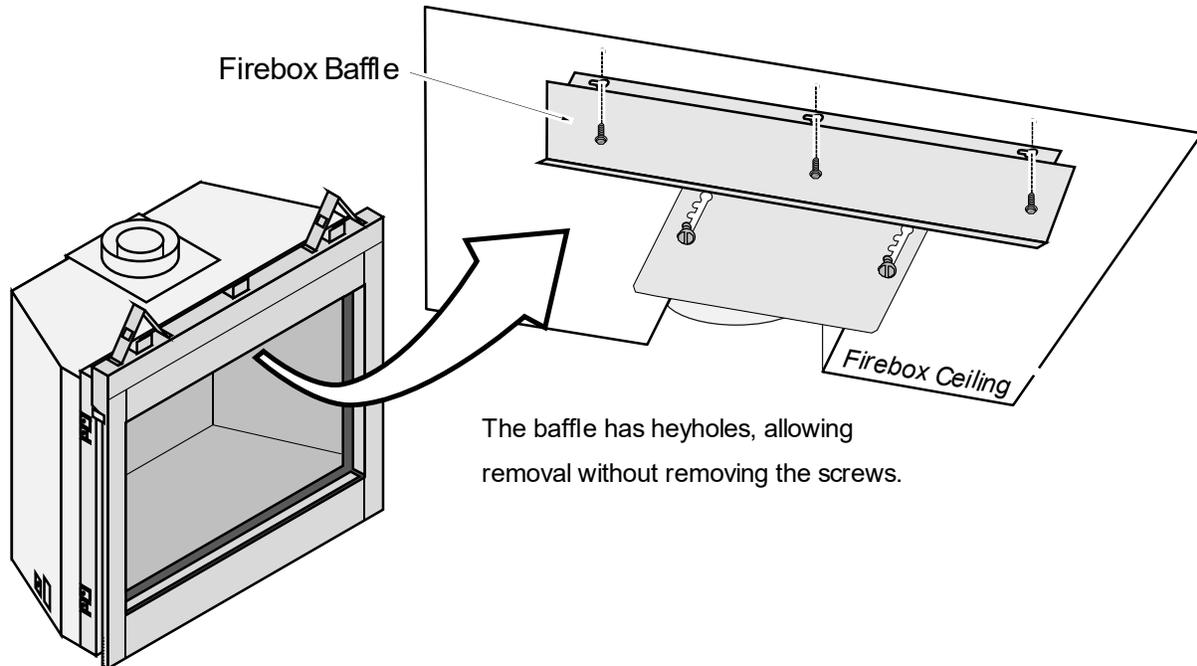
Figure 2

9. **Replace the firebox components.** Install the logs and embers. Replace the glass.
10. 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.

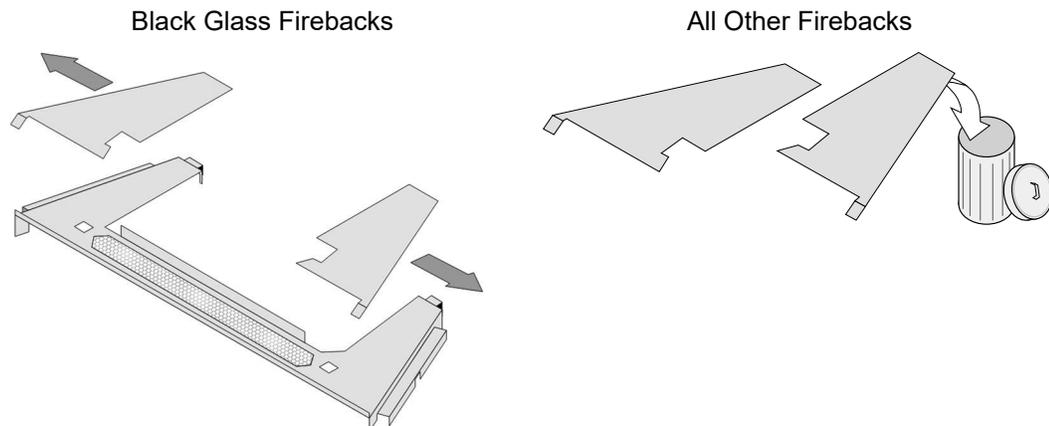
Special Instructions for Fireback Installation -

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

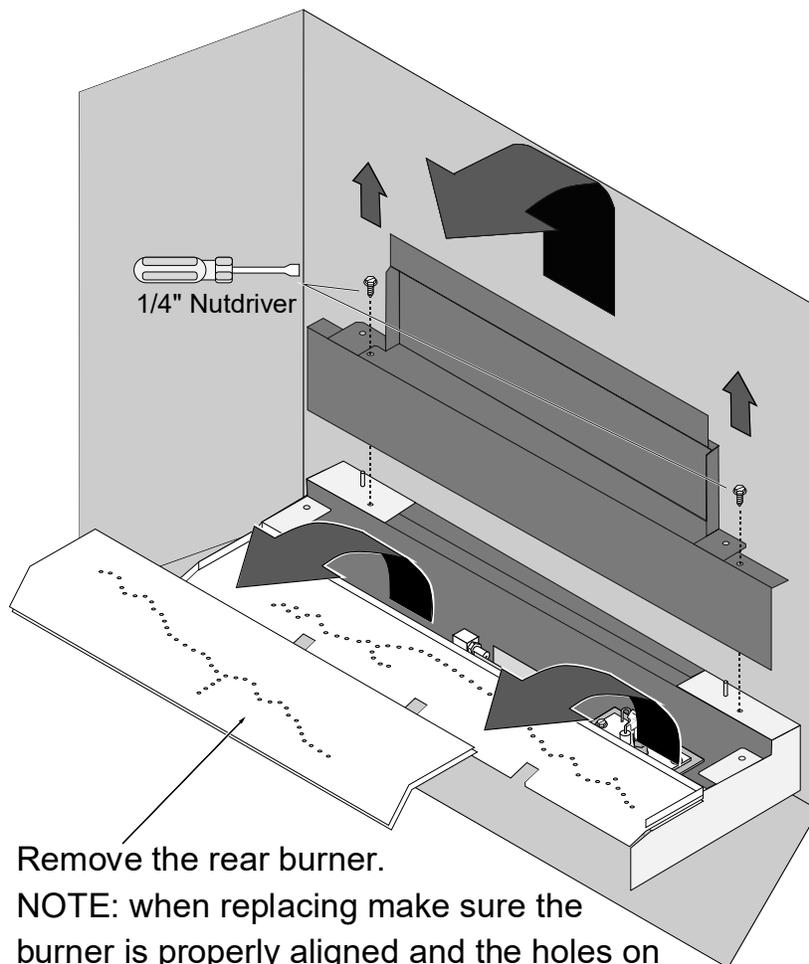
Firebox Baffle Must Be Removed to Install Firebacks (replace once firebacks in place)



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



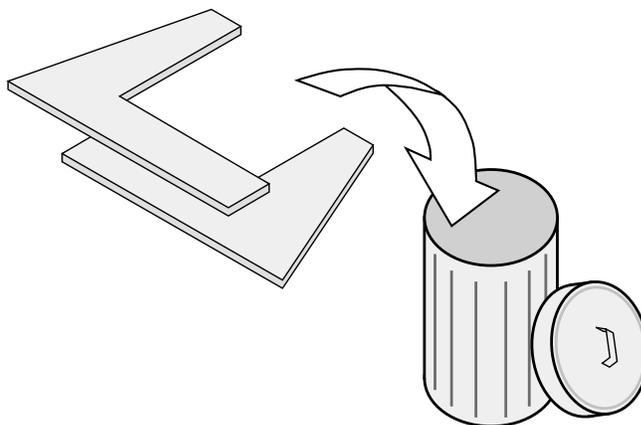
Rear Air Deflector (behind the rear log) Must be Removed (replace after firebacks in place)



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.

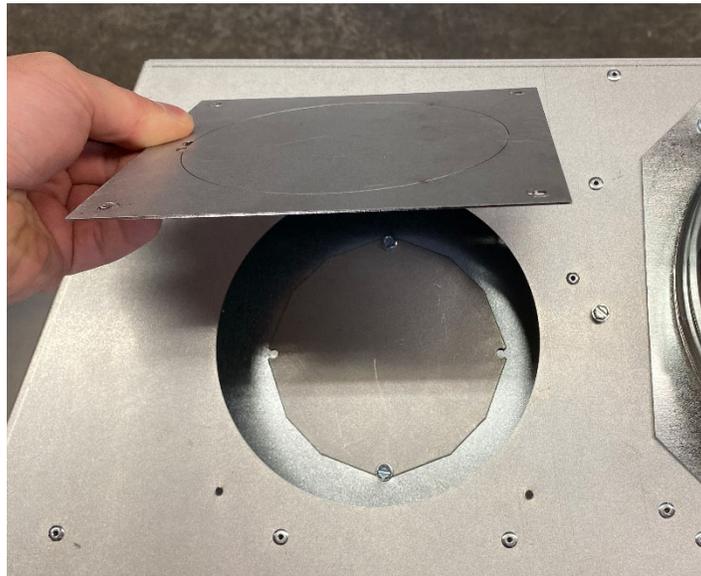


Attaching the Power Heat Duct to the 564 35k (Optional)

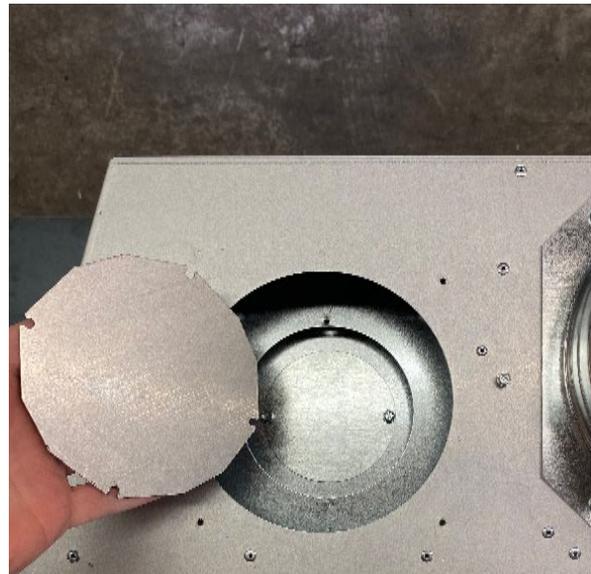
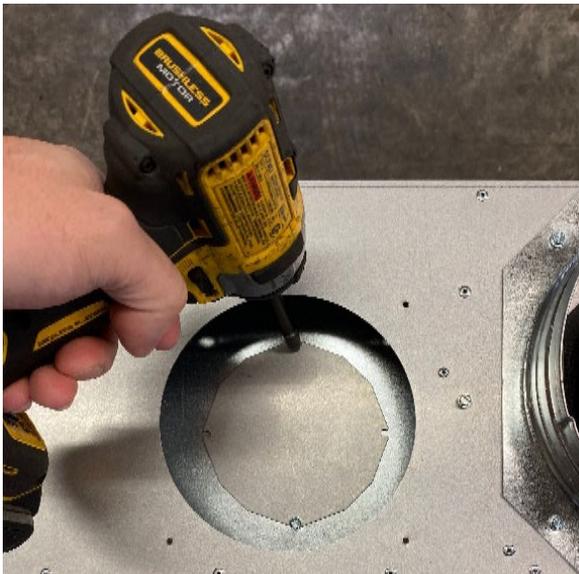
One or two optional power heat ducts (sku# 98500769) may be attached to the 564 35k. The ducting is attached to the top of the fireplace (left or right side). See the directions below for removing the power heat duct covers.

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).

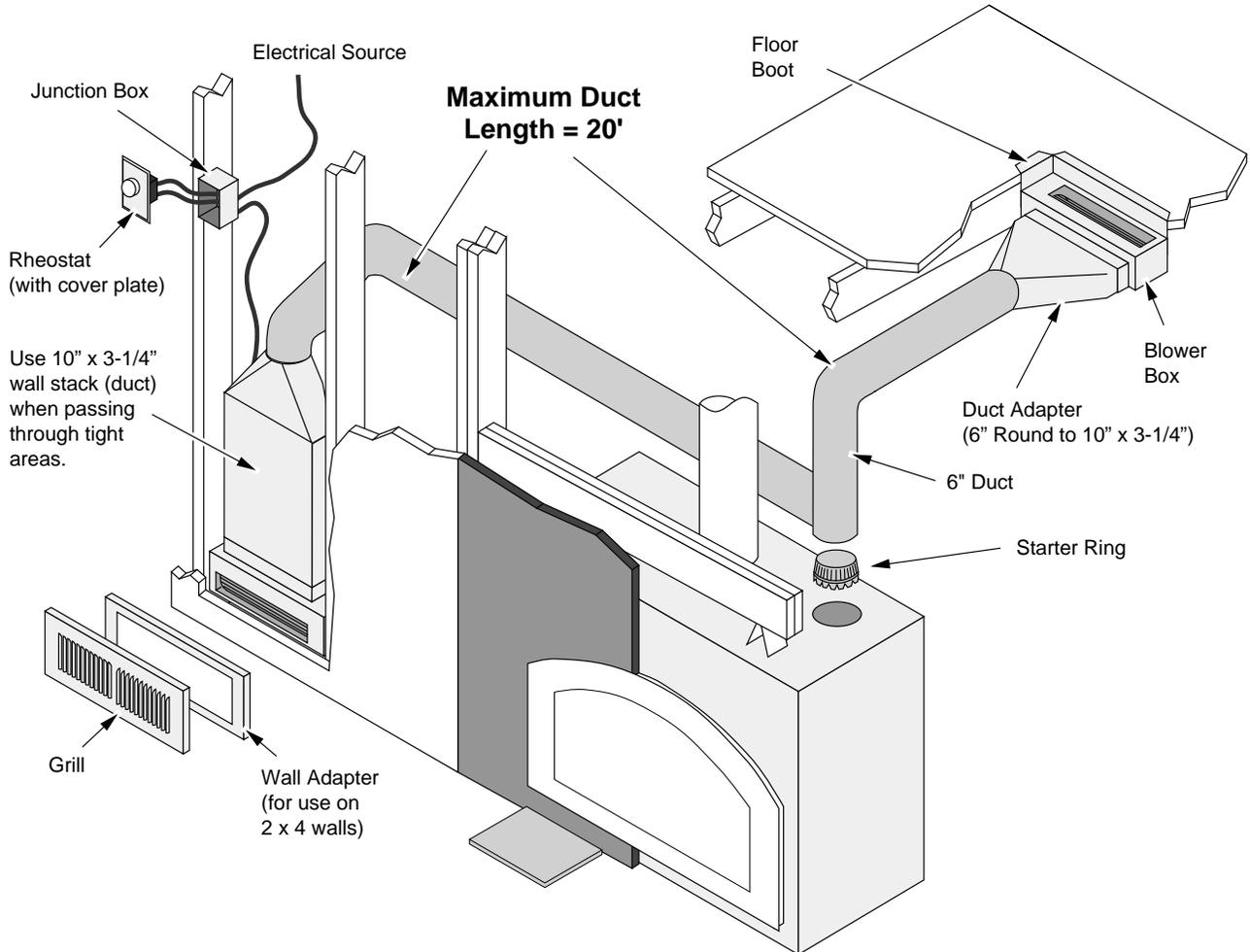


- 3 Remove the lower duct plate screws and plate to allow air to flow from the lower convection channel (see pictures below). Discard the lower duct plate.

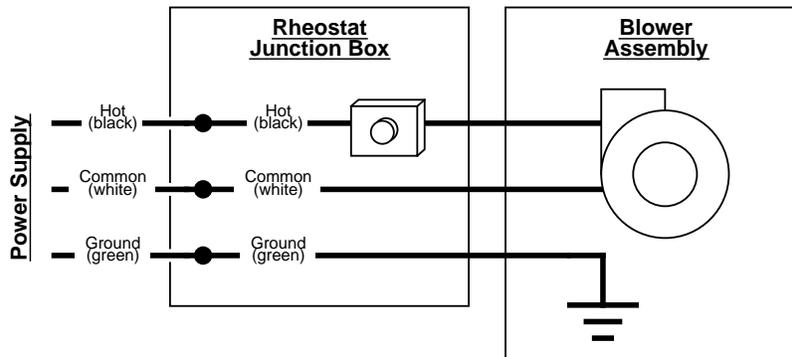


Installing the Power Heat Duct with the 564 35k

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



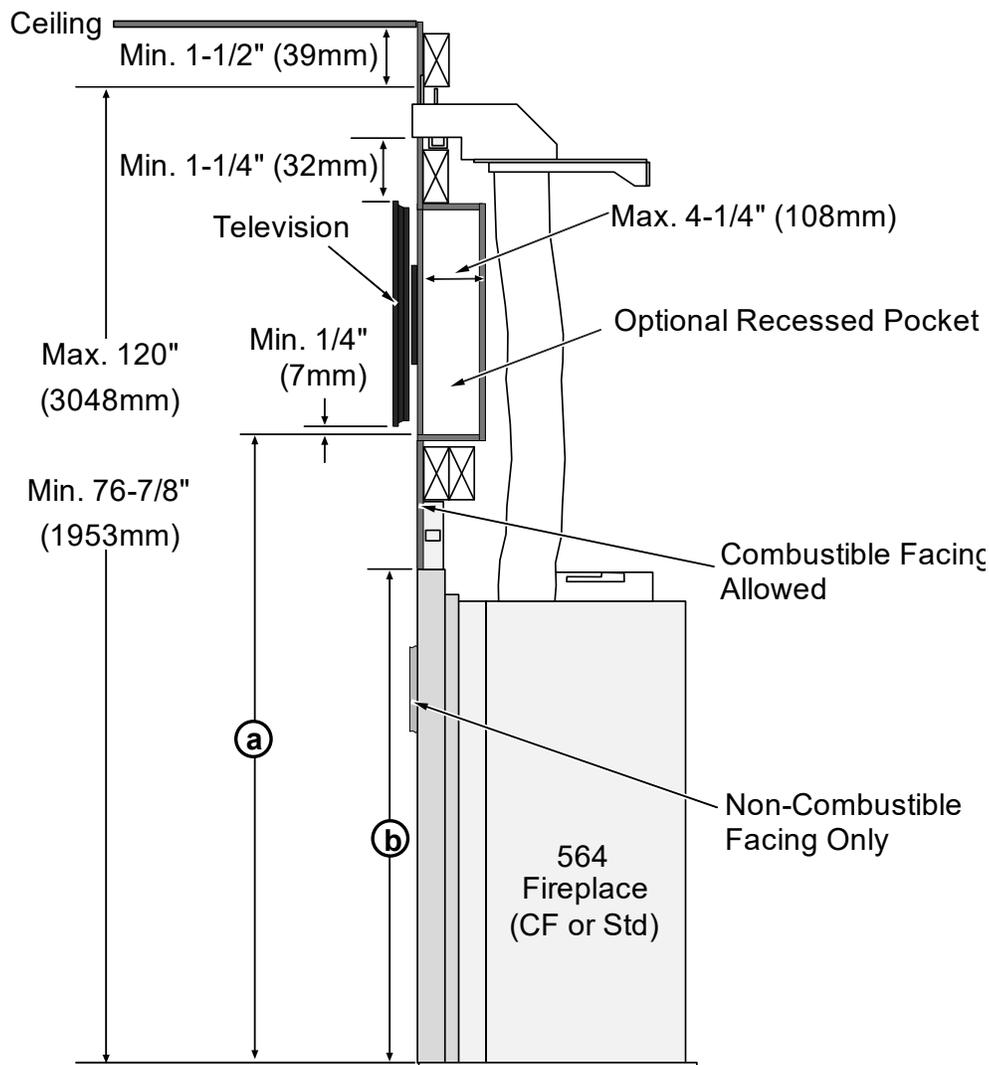
Power Heat Duct Wiring Diagram



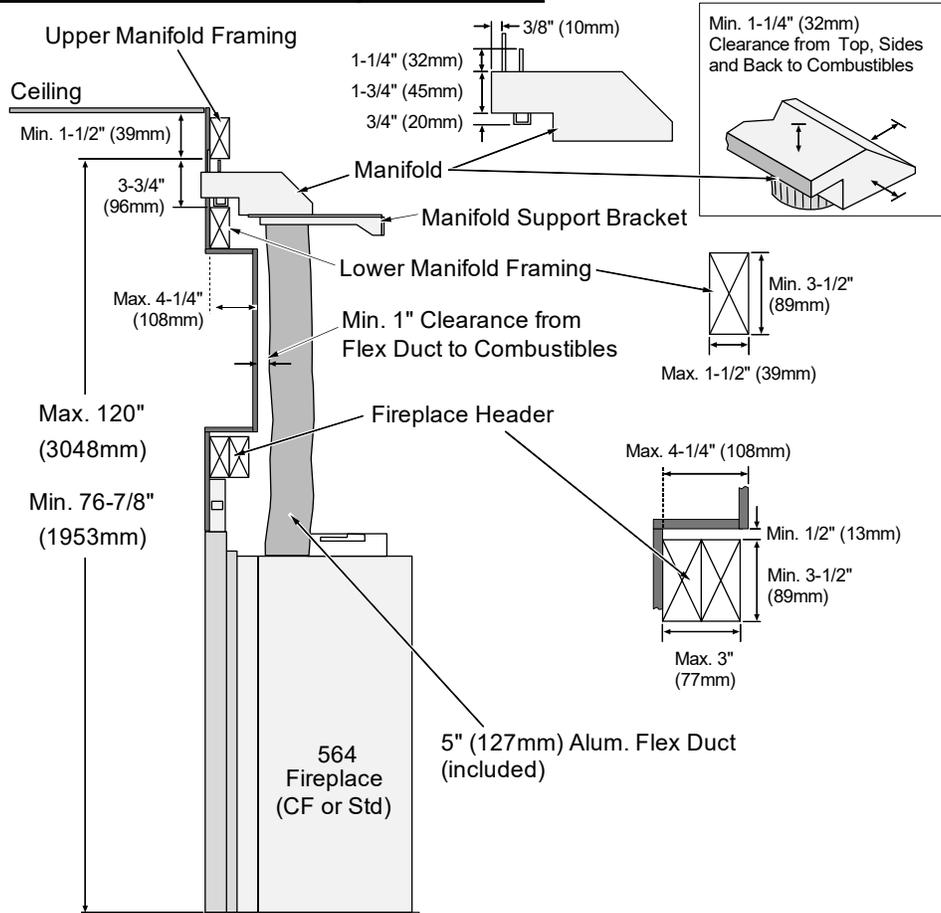
CoolSmart TV – Installation Overview (Optional)

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 62 for details.



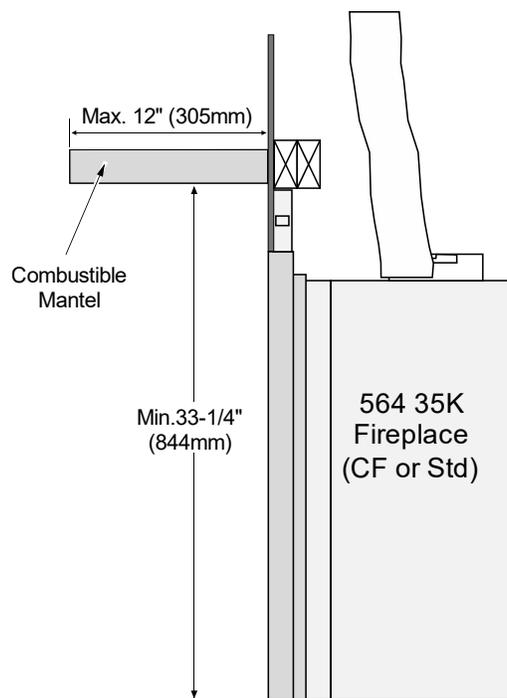
	564 35K CleanFace	564 35K Standard
a	47-3/8" (1203mm)	47-3/8" (1203mm)
b	33-1/8" (842mm)	30-1/4" (769mm)

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.

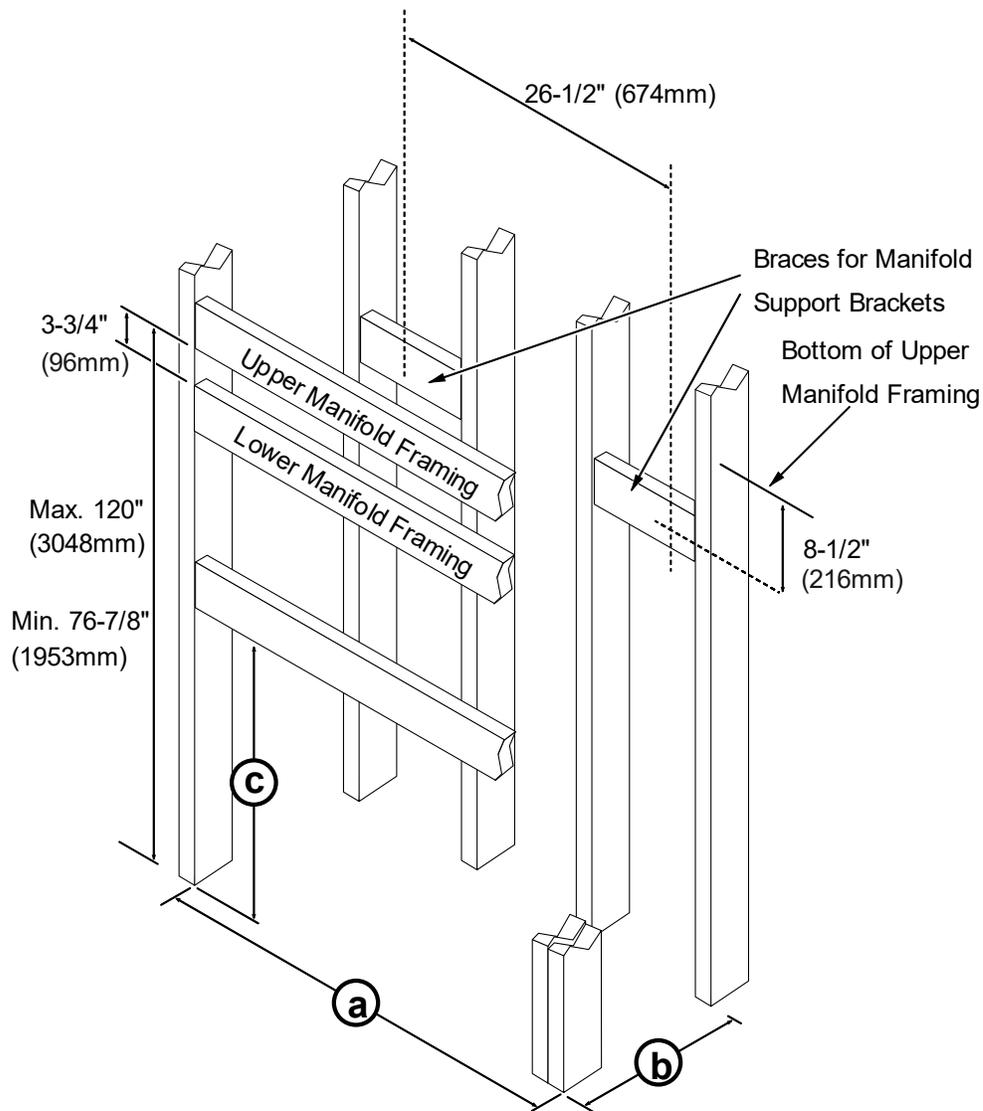
If you wish to place a TV above the mantel, it must meet the following requirements:

- 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

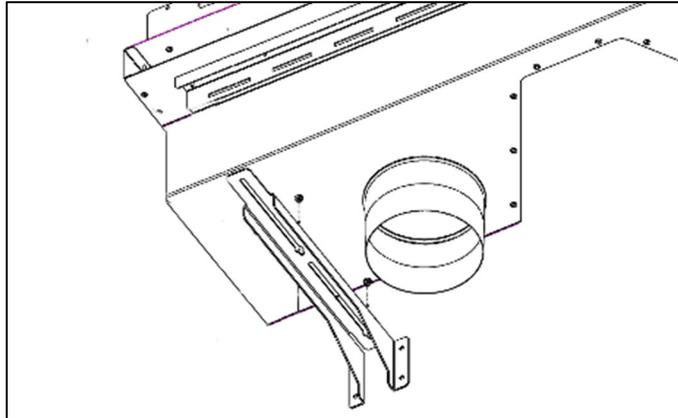
When using this kit, disregard the framing dimensions in the manual and follow the framing instructions shown below.



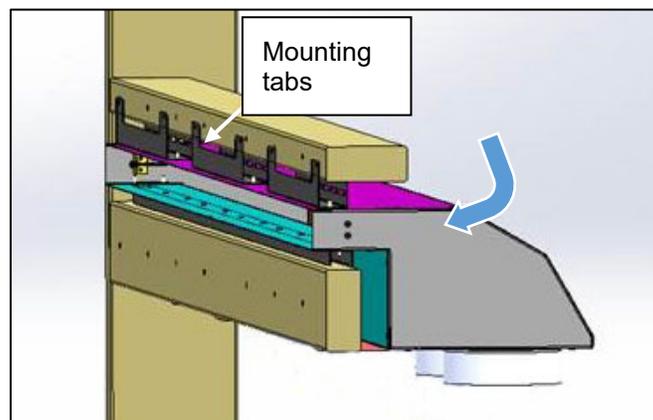
	564 35K Standard	564 35K CleanFace
a	37-3/4" (959mm)	38-3/4" (985mm)
b	17-1/2" (445mm)	19-3/8" (493mm) Flush 18-7/8" (480mm) Extended
c	37-1/4" (947mm)	37-1/4" (947mm)

CoolSmart TV - Installation

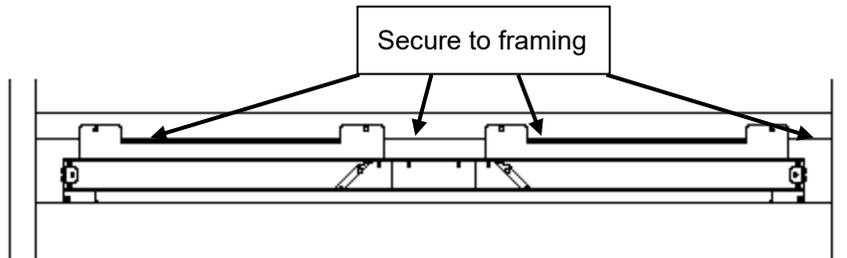
- 1 Remove the grill from the manifold (2 screws hold it in place).
- 2 Remove the rear-mounting brackets by loosening 1/4" screws and sliding it out of the keyhole slots.



- 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 the two framing members. Slide the outlet into the gap and allow it to sit level again. The two mounting tabs will support the manifold.



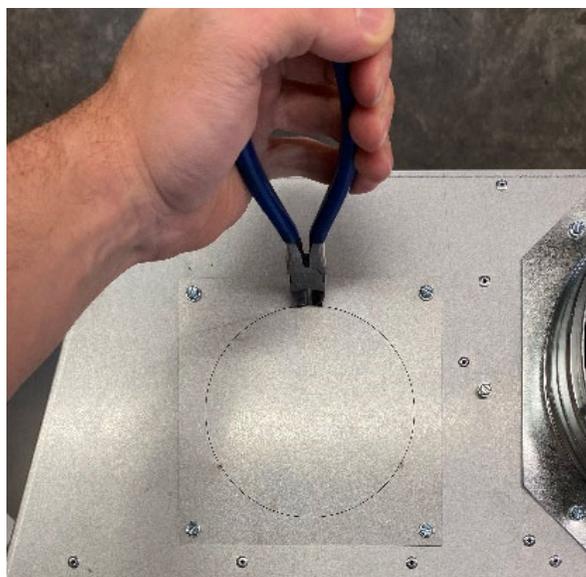
- 5 Secure the manifold to the upper framing using screws (not included).



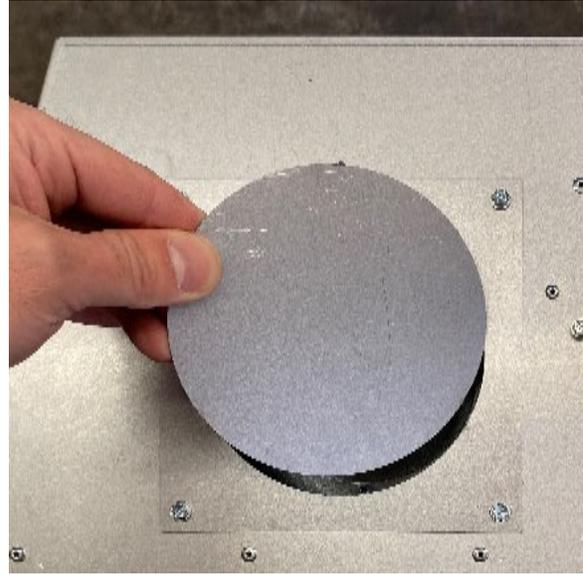
- 6 Re-attach the two rear mounting brackets (removed in step 6) to the bottom of the convection manifold. Leave the screws loose so the brackets can be positioned to the back of the chase. Secure the brackets to the chase using screws (not included). Tighten the screws securing the brackets to the manifold.



- 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 upward.



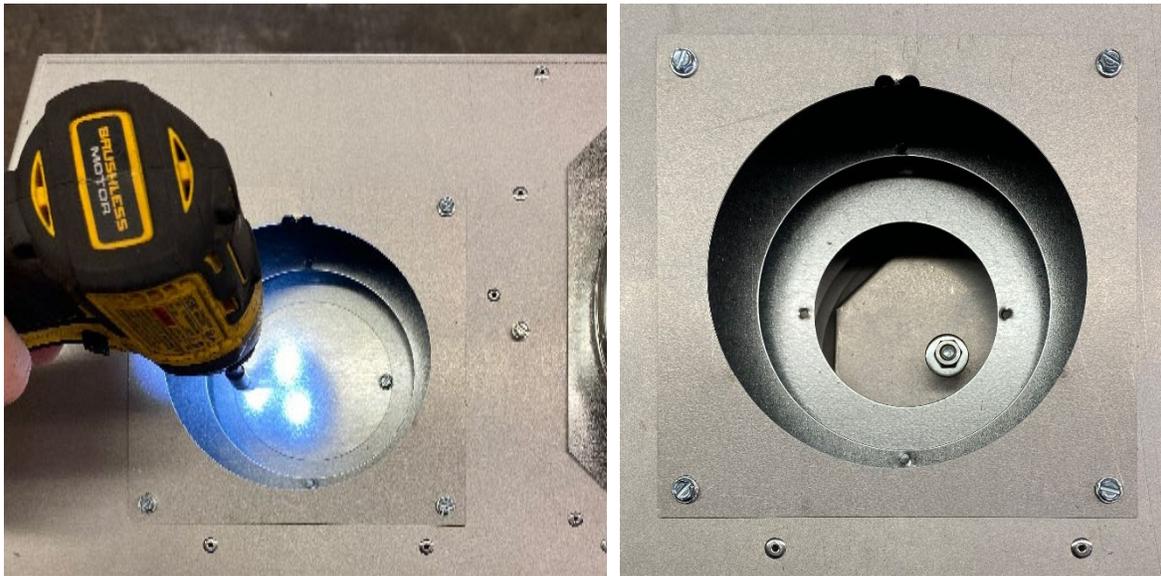
- 8 Grab on to the knockout with pliers and bend it back and forth until the remaining tabs break free. Discard the knock out plate.



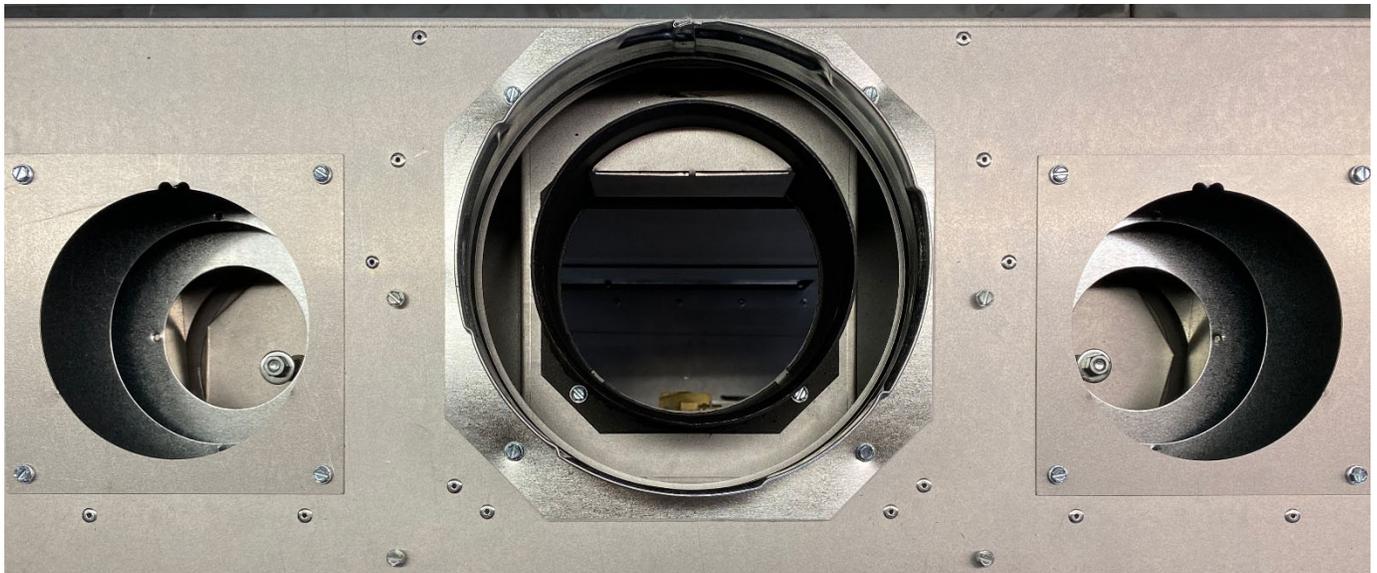
- 9 Under each knock out plate, you will find a cover plate held in place with (2) 1/4" screws. Use a nut driver or drill with an extension to remove the (2) screws. Reach in and remove the cover plate. You may discard the plate.



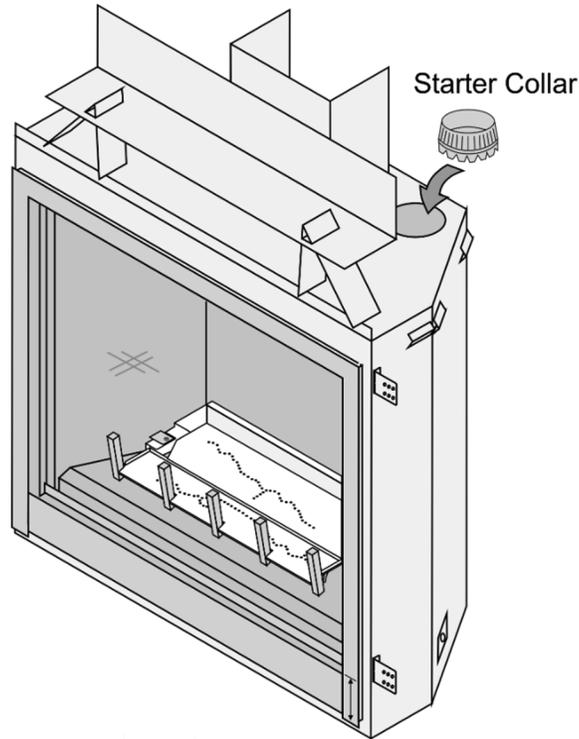
10 You will need to remove a third cover plate on each side. Remove the 2 screws holding the cover plate in place. Reach in and remove the cover plate. You may discard this plate.



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.



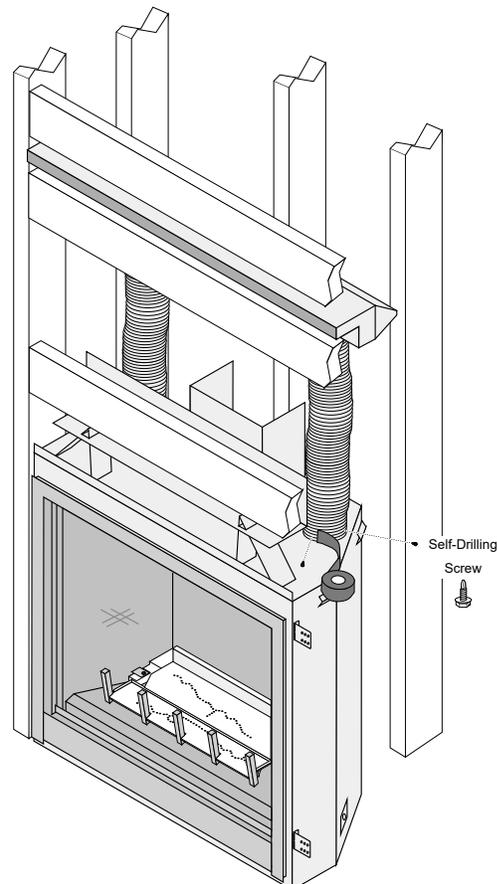
Use silicone to seal the starter collar to the top of the fireplace.



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 the fireplace installation manual for finishing details.

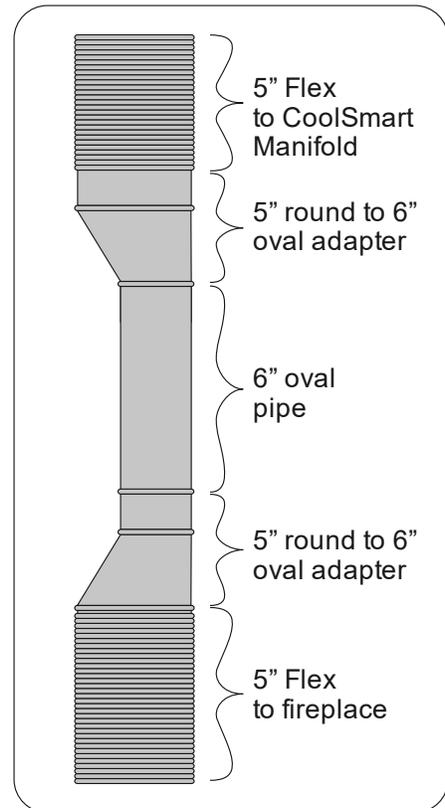
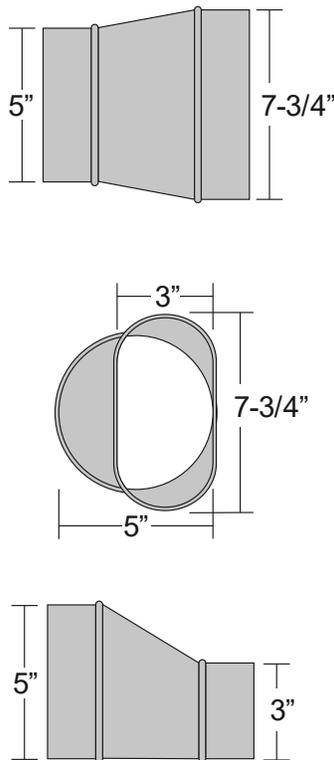
NOTE: The manifold opening protrudes 7/16" proud of the framing. The wall may be finished to the opening if you do not wish to use the grill trim.

CoolSmart TV - Using oval pipe to get past an obstruction

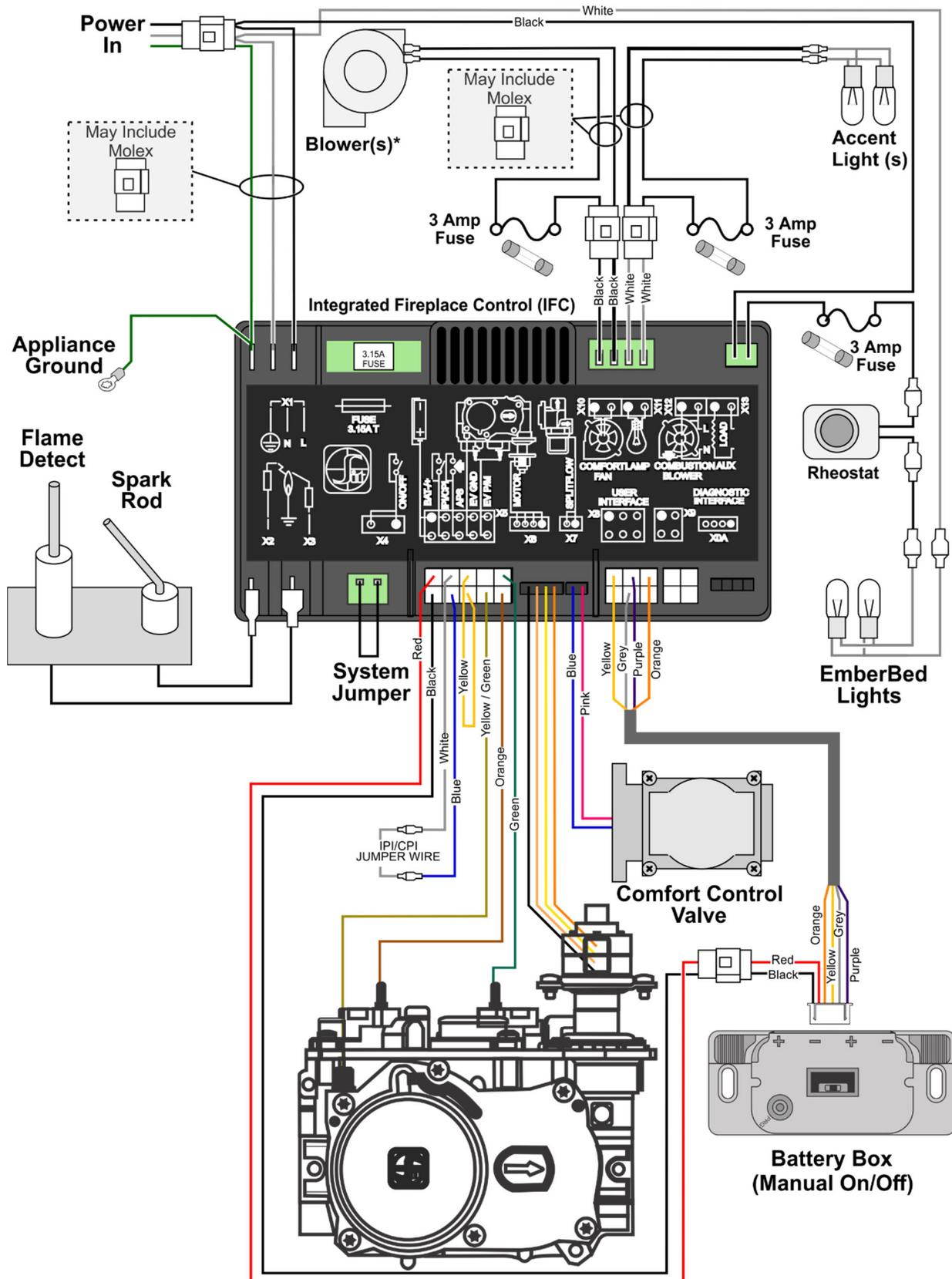
If a situation arises that obstructs the CoolSmart flex vent runs (such as getting past a minimum sideways vent) you may transition the 5" flex vent to a ridged nominal 6" oval pipe to get past the obstruction. Transition back to the 5" round flex and continue to the manifold.

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	21	Listing Details.....	2
Additional Items Required	8	Log Set Installation	45
Approved Vent Configurations	24	LP Conversion Instructions.....	54
Barrier Removal	40	Mantel Requirements.....	37
Class A Chimney Conversion	31	Masonry Chimney Conversions.....	30
CoolSmart TV – Installation Overview (Optional)	62	Massachusetts Requirements	9
Dimensions	7	Overview	2
Electrical Connection	20	Packing List.....	8
Ember bed Glass and Ember Material Installation	43	Recommended Installation Procedure	8
Facing Requirements	36	Rock Wool Placement	53
Fireback Installation	57	Safety Warnings.....	5
Fireplace Placement Requirements.....	12	Standoff and Drywall Support Preparation	11
Gas Line Requirements	18	Steps for Finalizing the Installation.....	38
Glass Frame Removal and Installation.....	41	Termination Requirements	32
Hearth Requirements	33	Top Vent Configuration with Horizontal Termination	28
Heating Specifications.....	7	Top Vent Configuration with Vertical Termination	29
Installation Options.....	7	Vent Requirements	22
Installation Overview	8	Vinyl Flooring Hearth Recommendations	34