

864 TRV 31K CleanFace

- Direct Vent Fireplace
- Natural Gas or Propane
- Vent Horizontally or Vertically
- Standard Residential
- Mobile Home Approved



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

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

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.

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

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

DANGER

HOT GLASS WILL CAUSE BURNS.

DO NOT TOUCH GLASS UNTIL COOLED.

NEVER ALLOW CHILDREN TO TOUCH GLASS.

Installation Manual

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

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

Overview

This manual details the installation requirements for the 864 TRV 31K GSR2 fireplace. For operating and maintenance instructions, refer to the 864 TRV 31K Owner's Manual.

Minimum Clearances to Combustibles

Fireplace to adjacent wall	25 mm	Sides to enclosure	13 mm
Back to enclosure	13 mm	Combustible floor under fireplace	0 mm
Header (from stand-offs)	0 mm	Base of fireplace to a mantel	See Owner's Manual

FAN TYPE VENTED CIRCULATOR

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

	L.P.	N.G.	L.P.	N.G.
Input Rate on "H" (MJ/h)	32.7	32.7	2.74	1.13
Input Rate on "LO" (MJ/h)	8.4	10.5	3.24	1.74
Orifice Size - Front (DMS)	#56	#49	2.74	.87
Orifice Size - Rear (DMS)	#57	#49		
			Minimum Inlet Pressure (kPa)	
			Maximum Inlet Pressure (kPa)	
			Manifold Pressure on "H" (kPa)	

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

Manufactured by:

Certificate Holder:

MANUFACTURE DATE:

<input type="checkbox"/> 2019	<input type="checkbox"/> Jan.	<input type="checkbox"/> Apr.	<input type="checkbox"/> Jul.	<input type="checkbox"/> Oct.
<input type="checkbox"/> 2020	<input type="checkbox"/> Feb.	<input type="checkbox"/> May	<input type="checkbox"/> Aug.	<input type="checkbox"/> Nov.
<input type="checkbox"/> 2021	<input type="checkbox"/> Mar.	<input type="checkbox"/> Jun.	<input type="checkbox"/> Sep.	<input type="checkbox"/> Dec.

TRAVIS INDUSTRIES
HOUSE OF FIRE

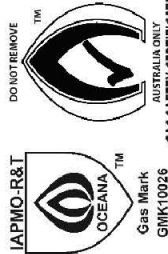
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Mukilteo, WA 98275

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

1364

864 CF 31K (Au) Vented Gas Fireplace Heater



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

This 864 TRV GSR2 appliance is equipped from the factory only for use with Natural Gas and is only for use with the type of gas indicated on the rating plate. For conversion to LP (Propane) use a certified kit supplied by the manufacturer. See owner's manual for information on making these changes.

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

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

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

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

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

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

Safety Warnings (continued)

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

SAFETY WARNINGS:

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

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

Installation Options

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

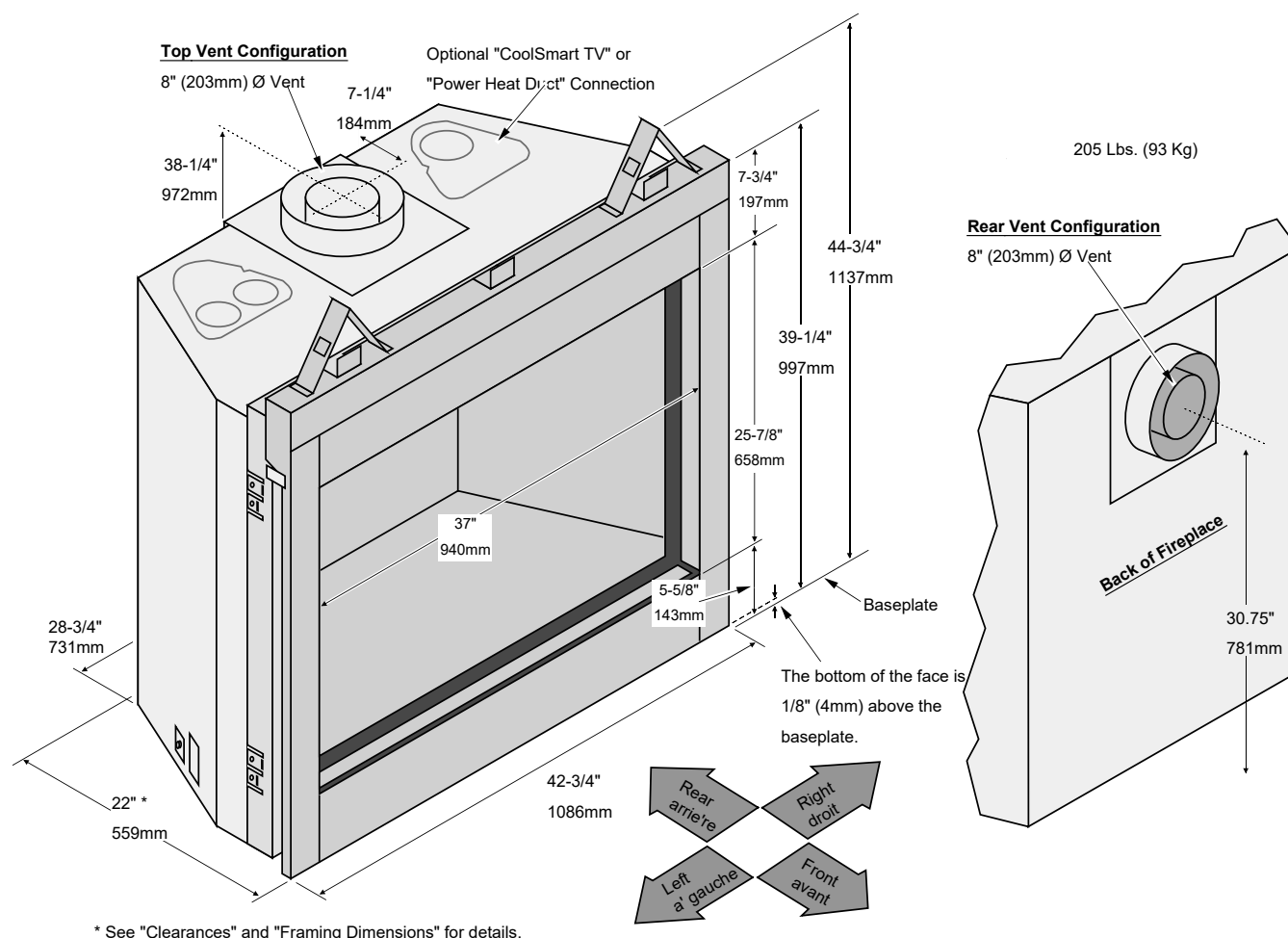
Heating Specifications

	Natural Gas	Propane
Approximate Heating Capacity (in square meters)*	42 to 130	42 to 130
Maximum Input megajoules Per Hour	32.7	32.7

* 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



Packing List

- Propane Conversion Kit (2 orifices, pilot orifice)
- Firestop
- Remote Control
- Embers, Rock Wool, EmberBed Glass

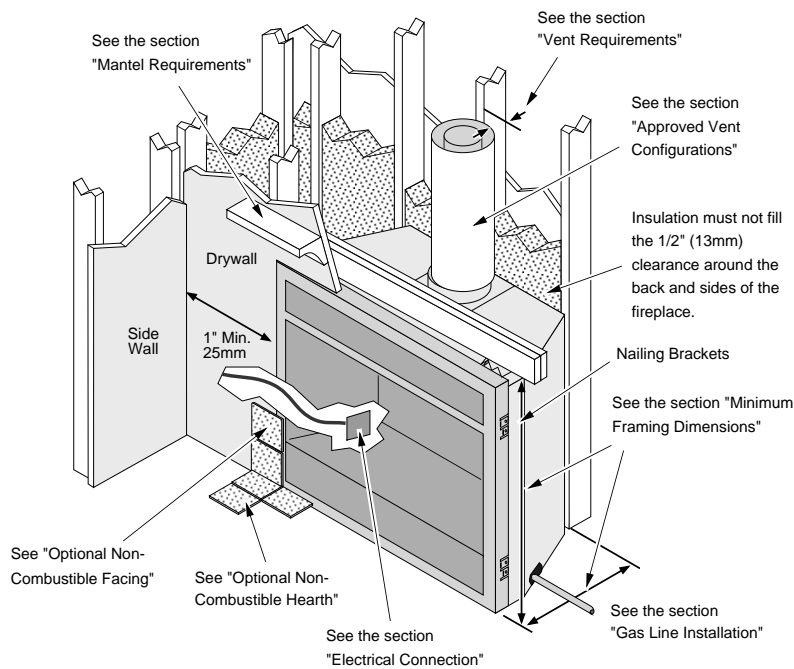
Additional Items Required

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

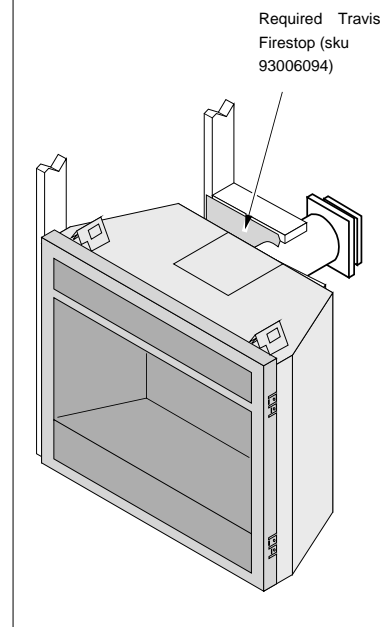
Installation Overview

- All requirements below must be met.

Top Vent Configuration



Rear Vent Configuration



Recommended Installation Procedure

- Frame the opening for the fireplace. Make sure to allow for vent installation.
- This fireplace is designed to accommodate 1/2" (13mm) or 5/8" (16mm) drywall (see "Nailing Brackets" on page 16 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 38).

8

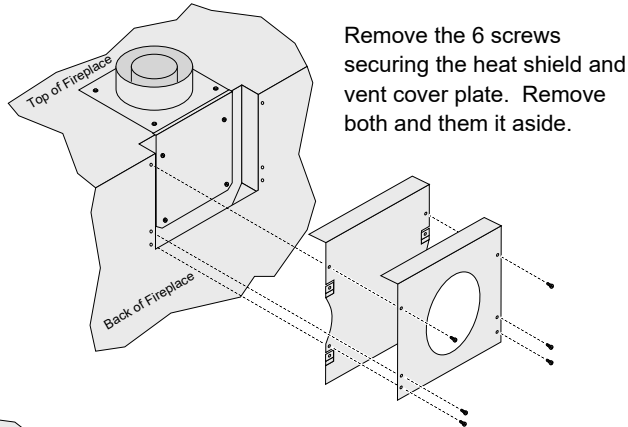
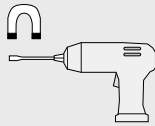
Finalizing the Installation (for qualified installers only)

Top Vent or Rear Vent Configuration

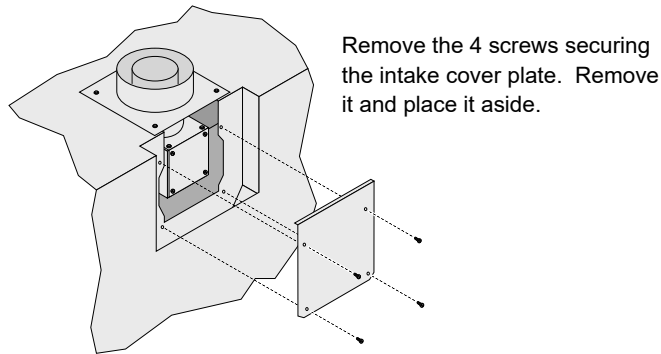
This appliance is shipped in the top vent configuration. To change to the rear vent configuration, follow the directions below.

NOTE: the vent configuration affects several aspects of installation (framing, maximum vent rise, maximum vent run). Make sure the vent configuration is correct prior to installation. You may wish to configure the diffuser when changing the vent configuration.

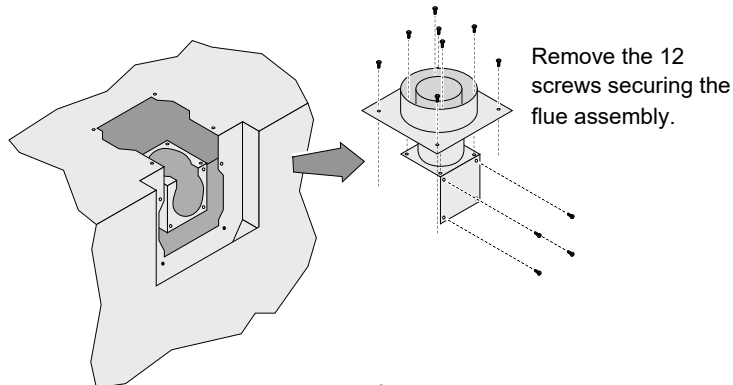
NOTE: Use a magnetic-tipped nutdriver on these screws - take care to prevent the screws from falling into the fireplace.



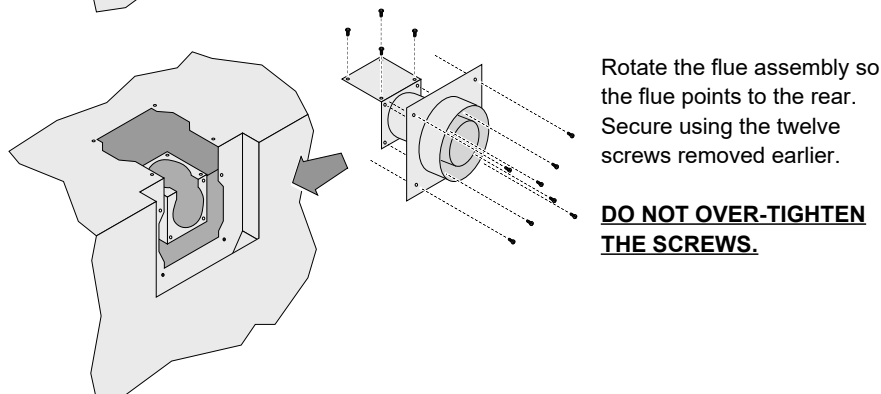
Remove the 6 screws securing the heat shield and vent cover plate. Remove both and place them aside.



Remove the 4 screws securing the intake cover plate. Remove it and place it aside.



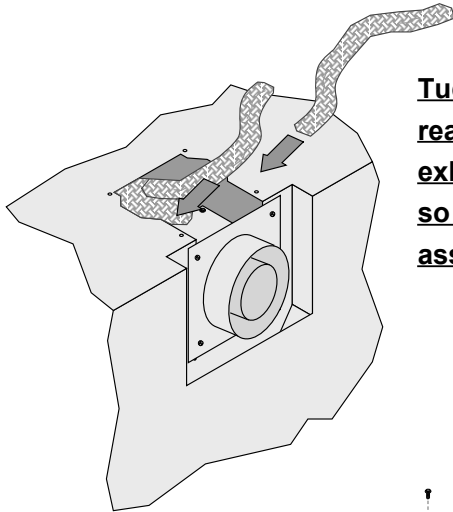
Remove the 12 screws securing the flue assembly.



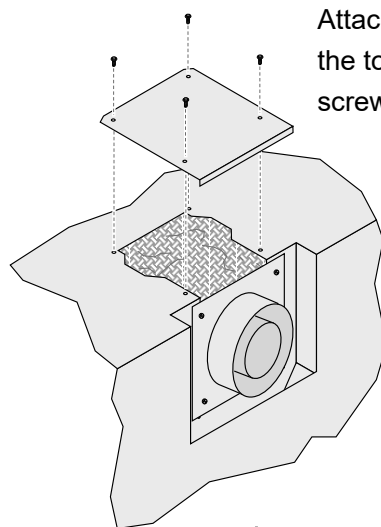
Rotate the flue assembly so the flue points to the rear. Secure using the twelve screws removed earlier.

DO NOT OVER-TIGHTEN THE SCREWS.

Converting the Fireplace to Rear Vent (continued)



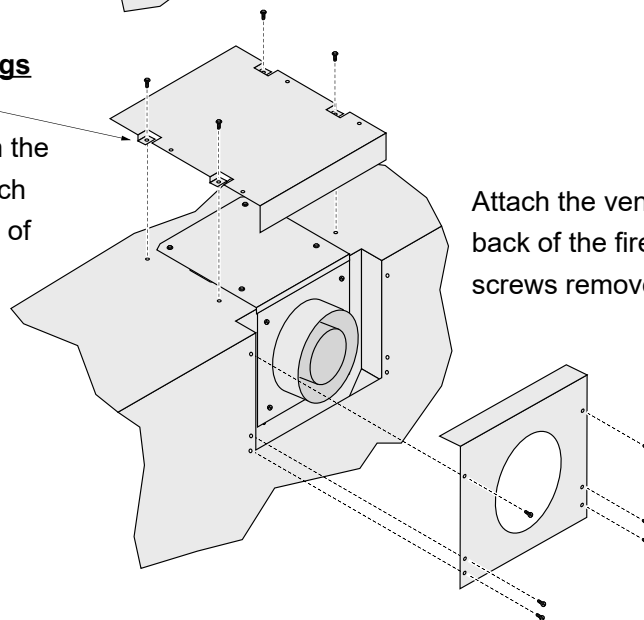
Tuck the 3 pieces of insulation (included in the rear vent conversion kit) into the area above the exhaust manifold. The insulation must be placed so it covers the entire area over the flue assembly.



Attach the intake cover plate to the top of the fireplace using the screws removed earlier.

Bend the heat shield legs downward as shown.

Remove the screws from the top of the fireplace. Attach the heat shield to the top of the fireplace using these screws.



Attach the vent cover plate to the back of the fireplace using the screws removed earlier.

10 Finalizing the Installation (for qualified installers only)

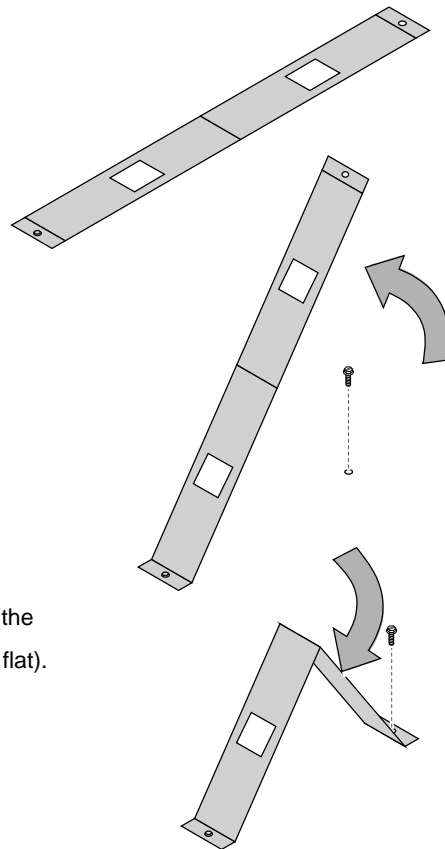
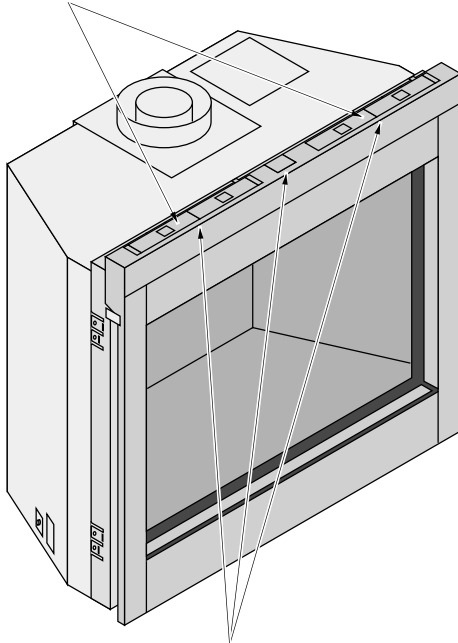
Standoff and Drywall Support Preparation

- 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.

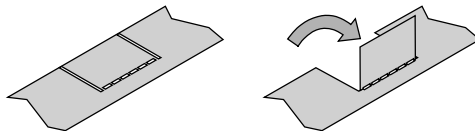
Bend both standoffs as shown below.

Remove the screw from the top of the fireplace and secure the standoff as shown.

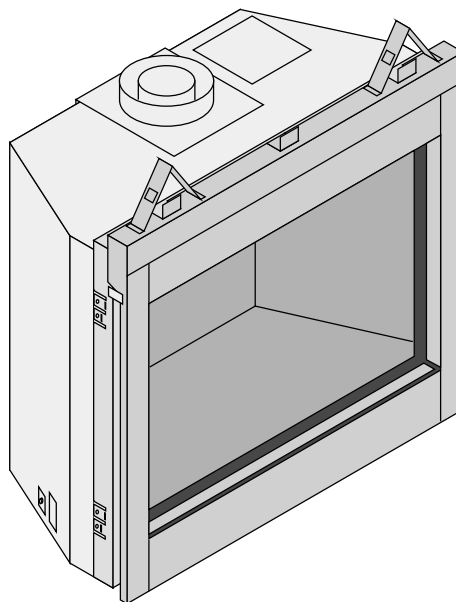
The two standoffs are shipped flat.



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

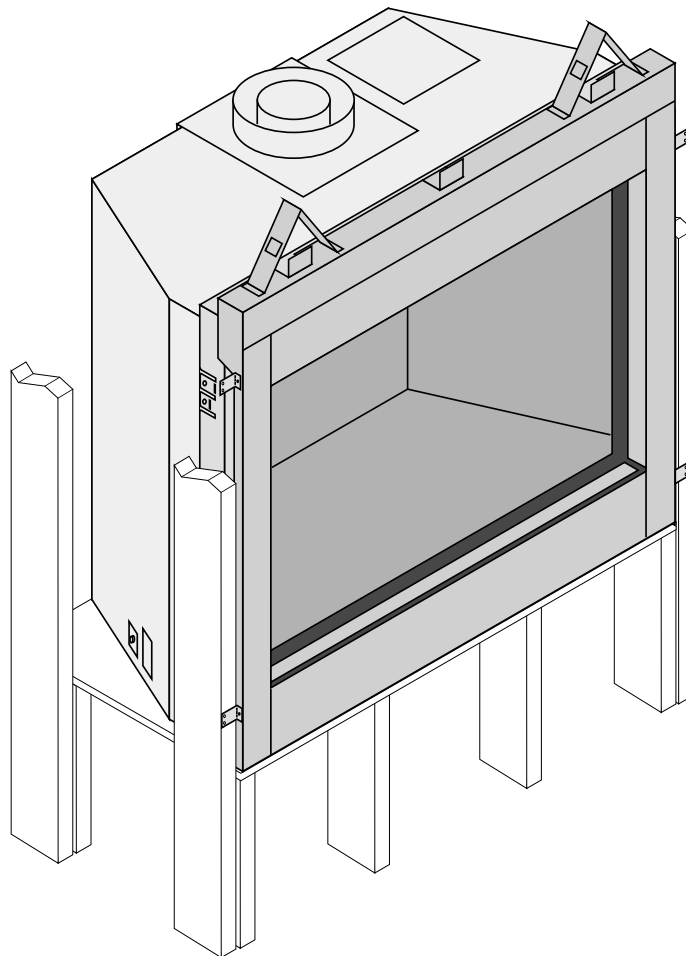
- Fireplace must be installed on a level surface capable of supporting the fireplace and vent
- Fireplace must be placed directly on wood or non-combustible surface (not on linoleum or carpet)
- This heater may be placed in a bedroom. Please be aware of the large amount of heat this appliance produces 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 (205 Lbs. 93 Kg) and vent.
- The base of the fireplace must be a minimum 70" (1778mm) below the room ceiling.



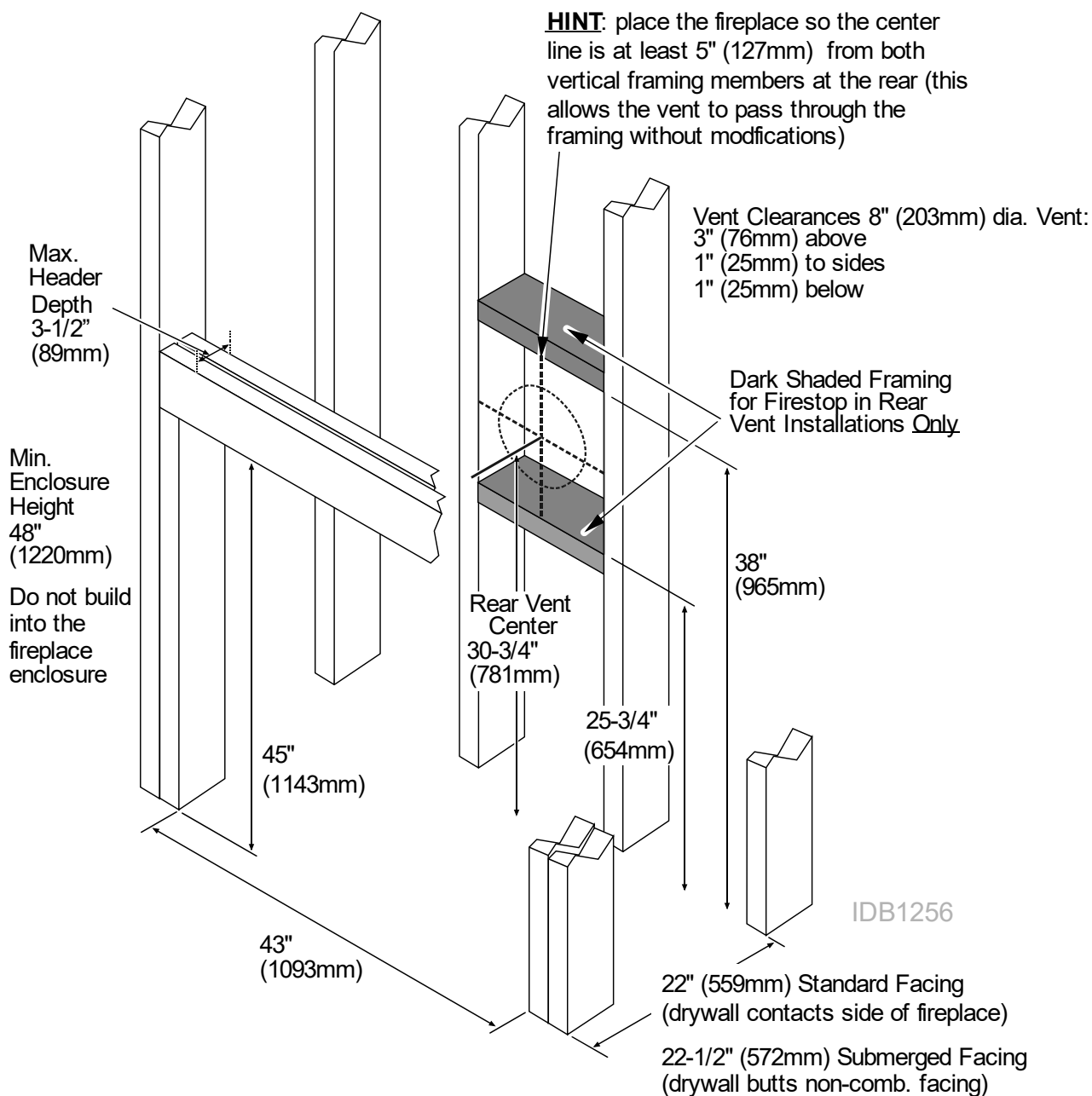
12 Finalizing the Installation (for qualified installers only)

Minimum Framing Dimensions

Min. Framing - Without CoolSmart TV kit



WARNING
When using a CoolSmart TV kit, see section: **"CoolSmart TV - Framing the Chase"** on page 61.



Min. Framing – With CoolSmart TV Kit

When using a CoolSmart TV kit, see section: **"CoolSmart TV - Framing the Chase"** on page 61 of this manual or the installation instructions included with the kit for minimum framing dimensions.

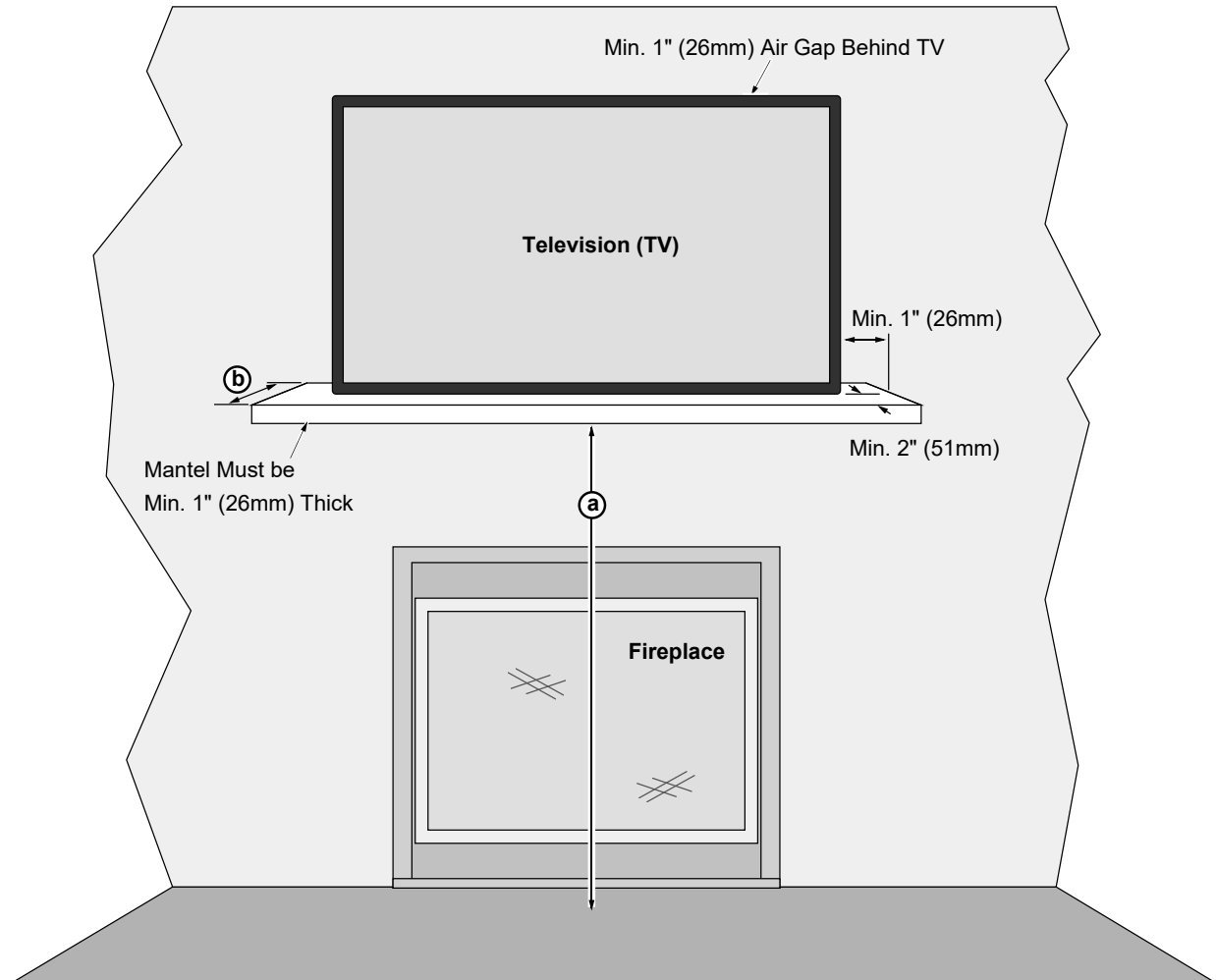
Televisions Placed Above the Fireplace

The following section details three methods to allow for television installation above the fireplace.

Using a Mantel Between the Fireplace and Television

IMPORTANT NOTE REGARDING TELEVISIONS AND THIS FIREPLACE

Most television manufacturers instruct the homeowner to not place the television above a heat source. Doing so may negatively affect the longevity of the television and may negate the warranty. If you do place a television above the fireplace, please be aware of the large amount of heat generated by the fireplace and consider placing the television above a mantel to reduce the amount of heat that reaches the television. The homeowner must understand that Travis Industries does not take responsibility for any negative impact to televisions placed near this fireplace.



Minimum Dimensions:

(a) Minimum Mantel Height above Base of Fireplace*	44-3/4" (1137mm) with 8" (203mm) mantel depth
(b) Mantel Depth*	Minimum 8" (203mm)*

*** Mantel depth is 8" minimum to allow heat to travel forward and dissipate. If using more than an 8" mantel, make sure to make the mantel height (a) higher (see mantel requirements on page 37 for details).**

NOTE: The mantel must extend 2" (51mm) in front of the TV and 1" (26mm) to both sides. If you have a TV that is greater than 6" (153mm) deep (including the 1" (26mm) gap behind, you will need to alter the mantel depth and height.

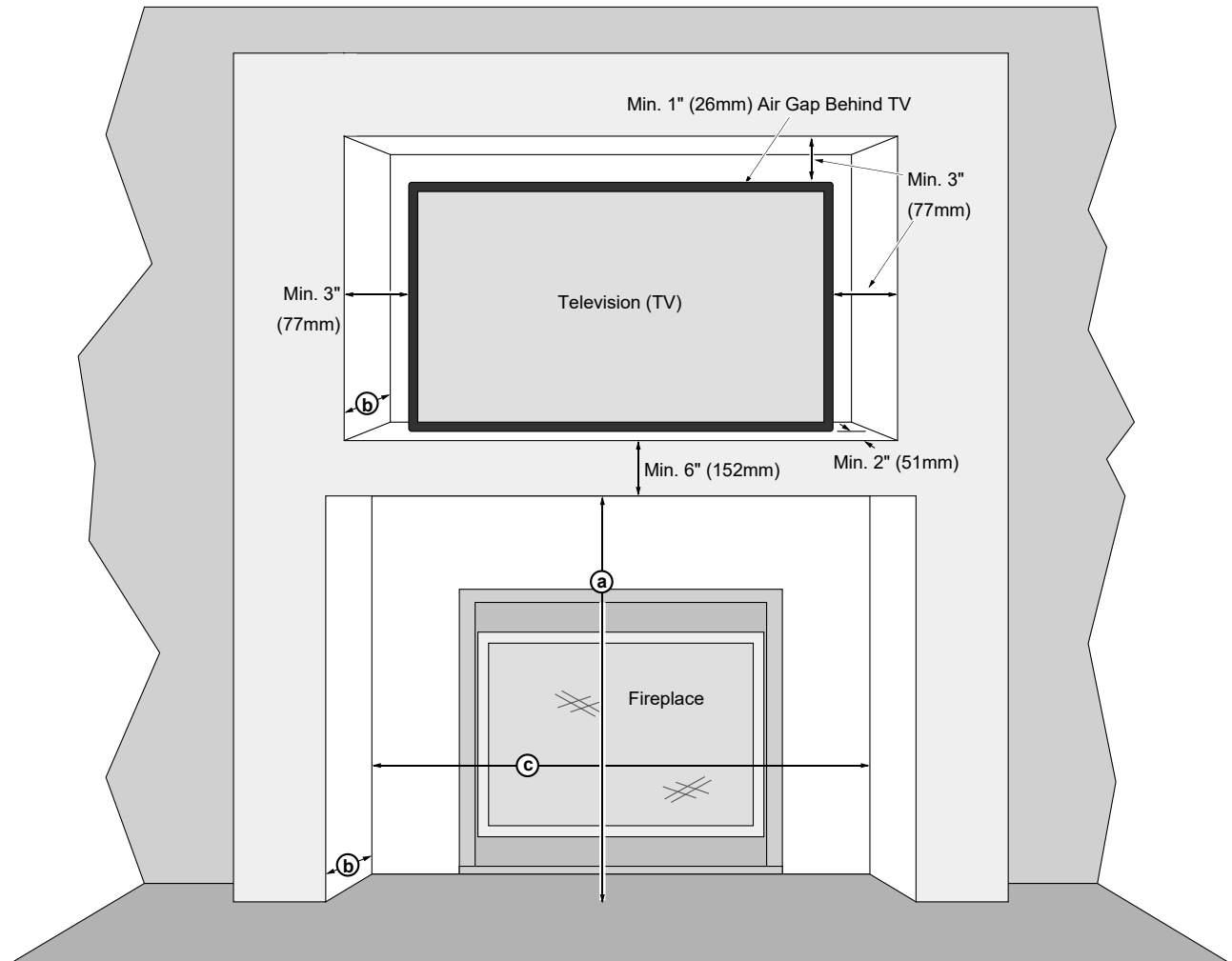
WIRING NOTE: If running wiring into the enclosure, use thermal insulating wrap around the wiring. Secure the wiring to protect from contact with hot surfaces.

14 Finalizing the Installation (for qualified installers only)

Using a Buildout Above Fireplace and Television

IMPORTANT NOTE REGARDING TELEVISIONS AND THIS FIREPLACE

Most television manufacturers instruct the homeowner to not place the television above a heat source. Doing so may negatively affect the longevity of the television and may negate the warranty. If you do place a television above the fireplace, please be aware of the large amount of heat generated by the fireplace and consider placing the television above a mantel to reduce the amount of heat that reaches the television. The homeowner must understand that Travis Industries does not take responsibility for any negative impact to televisions placed near this fireplace.



Minimum Dimensions:

(a) Minimum Buildout Height above Base of Fireplace*	44-3/4" (1137mm) with 8" (203mm) buildout depth
(b) Minimum Fireplace/TV Buildout Depth*	Minimum 8" (203mm)*
(c) Fireplace Buildout Width	43" (1093mm)

*** Buildout depth is 8" (203mm) minimum to allow heat to travel forward and dissipate. If using more than an 8" (203mm) buildout, make sure to make the buildout height (a) higher (buildout must meet mantel requirements - see page 37 for details).**

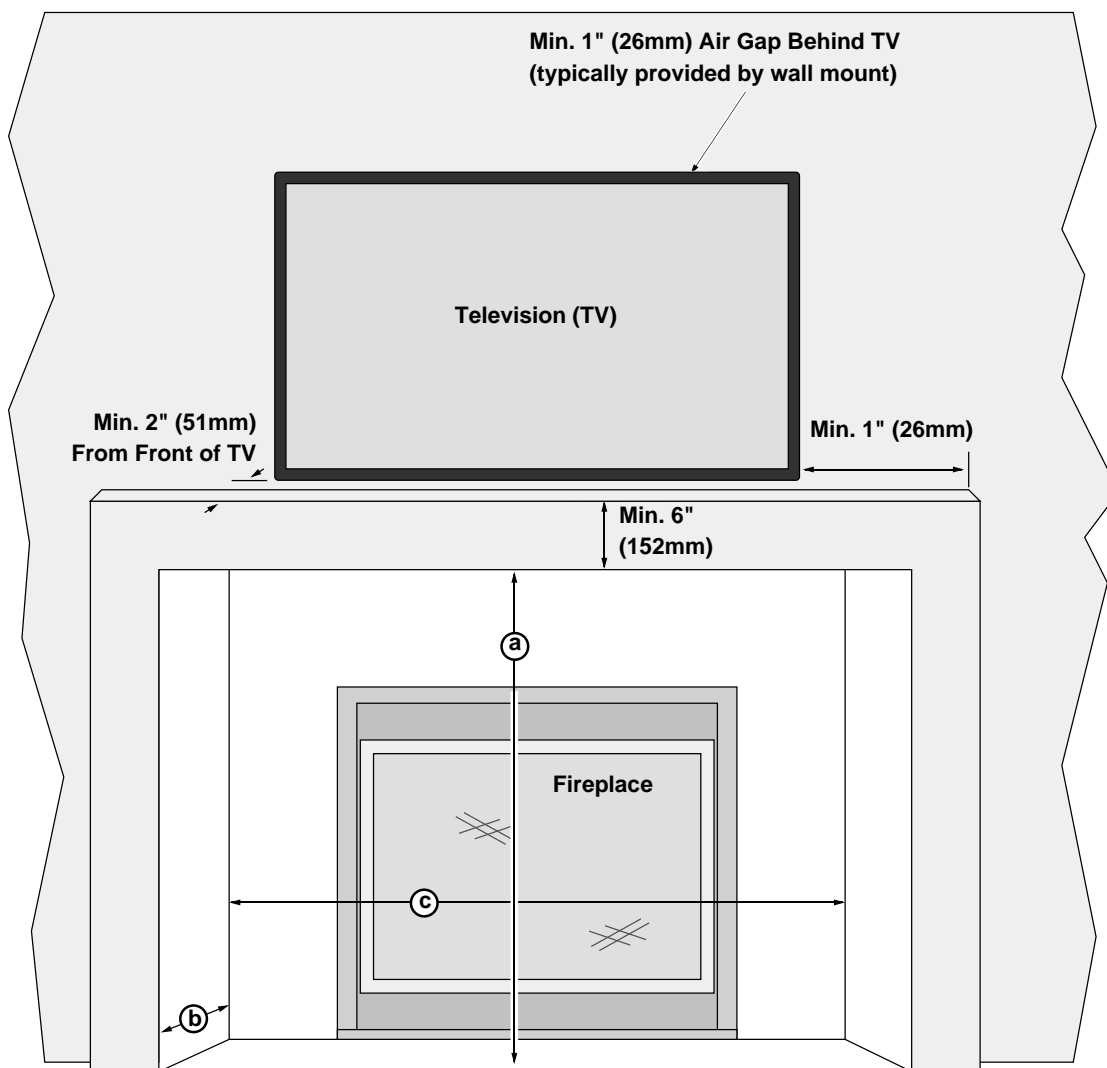
NOTE: The buildout must extend 2" (51mm) in front of the TV and 3" (77mm) to both sides and top. If you have a TV that is greater than 6" (153mm) deep (including the 1" (26mm) gap behind, you will need to alter the buildout depth and height.

WIRING NOTE: If running wiring into the enclosure, use thermal insulating wrap around the wiring. Secure the wiring to protect from contact with hot surfaces.

Using a Buildout Below a Television

IMPORTANT NOTE REGARDING TELEVISIONS AND THIS FIREPLACE

Most television manufacturers instruct the homeowner to not place the television above a heat source. Doing so may negatively affect the longevity of the television and may negate the warranty. If you do place a television above the fireplace, please be aware of the large amount of heat generated by the fireplace and consider placing the television above a mantel to reduce the amount of heat that reaches the television. The homeowner must understand that Travis Industries does not take responsibility for any negative impact to televisions placed near this fireplace.



Minimum Dimensions:

(a) Minimum Buildout Height above Base of Fireplace*	44-3/4" (1137mm) with 8" (203mm) buildout depth
(b) Minimum Buildout Depth*	Minimum 8" (203mm)*
(c) Fireplace Buildout Width	43" (1093mm)

*** Buildout depth is 8" (203mm) minimum to allow heat to travel forward and dissipate. If using more than an 8" (203mm) buildout, make sure to make the buildout height (a) higher (buildout must meet mantel requirements - see page 37 for details).**

NOTE: The buildout must extend 2" (51mm) in front of the TV and 3" (77mm) to both sides and top. If you have a TV that is greater than 6" (152mm) deep (including the 1" (26mm) gap behind, you will need to alter the buildout depth and height.

WIRING NOTE: If running wiring into the enclosure, use thermal insulating wrap around the wiring. Secure the wiring to protect from contact with hot surfaces.

16 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.

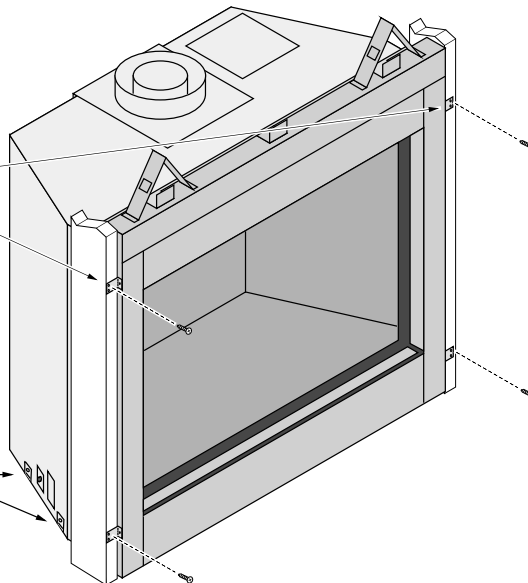
NOTE: Make sure the fireplace is square and plumb when securing the fireplace.

SPECIAL NOTE WHEN USING “SUBMERGED FACING” OPTION

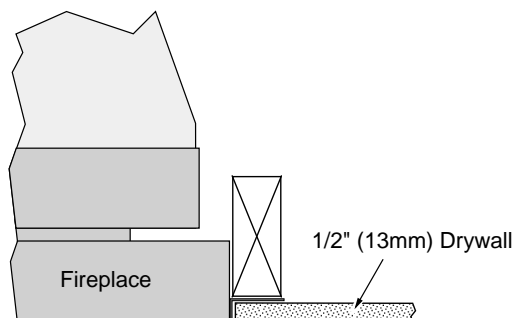
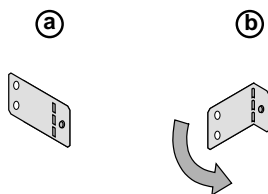
Most installations use the “Standard Facing” position for the nailing brackets. When using the “Submerged Facing” option, the fireplace is positioned $\frac{1}{2}$ " to the rear. Make sure to accommodate this dimension when configuring framing and determining the vent position, gas line position, etc.

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

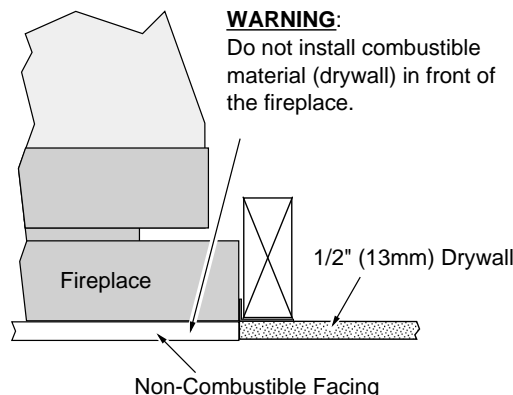
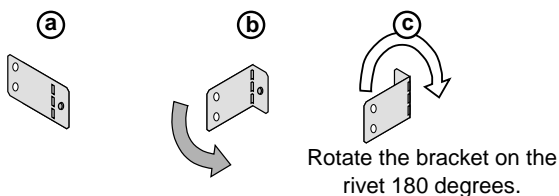
Additional nailing brackets are provided along the base of the fireplace. Use these brackets if not using the front brackets.



Standard Facing **(drywall contacts side of fireplace)**



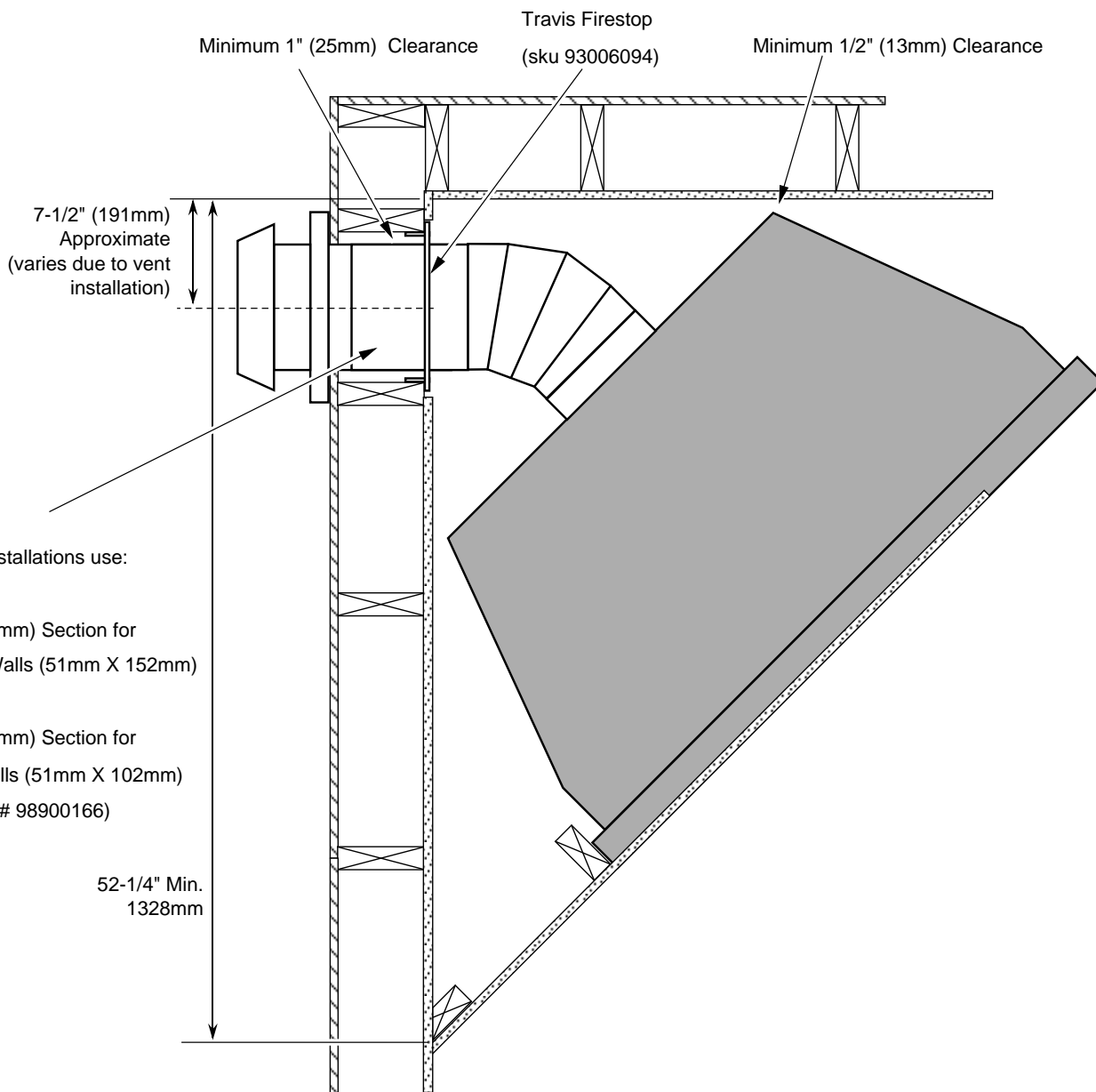
Submerged Facing **(Drywall butts against non-combustible facing)**



WARNING:
Do not install combustible material (drywall) in front of the fireplace.

Corner Installations - Rear Vent Configuration

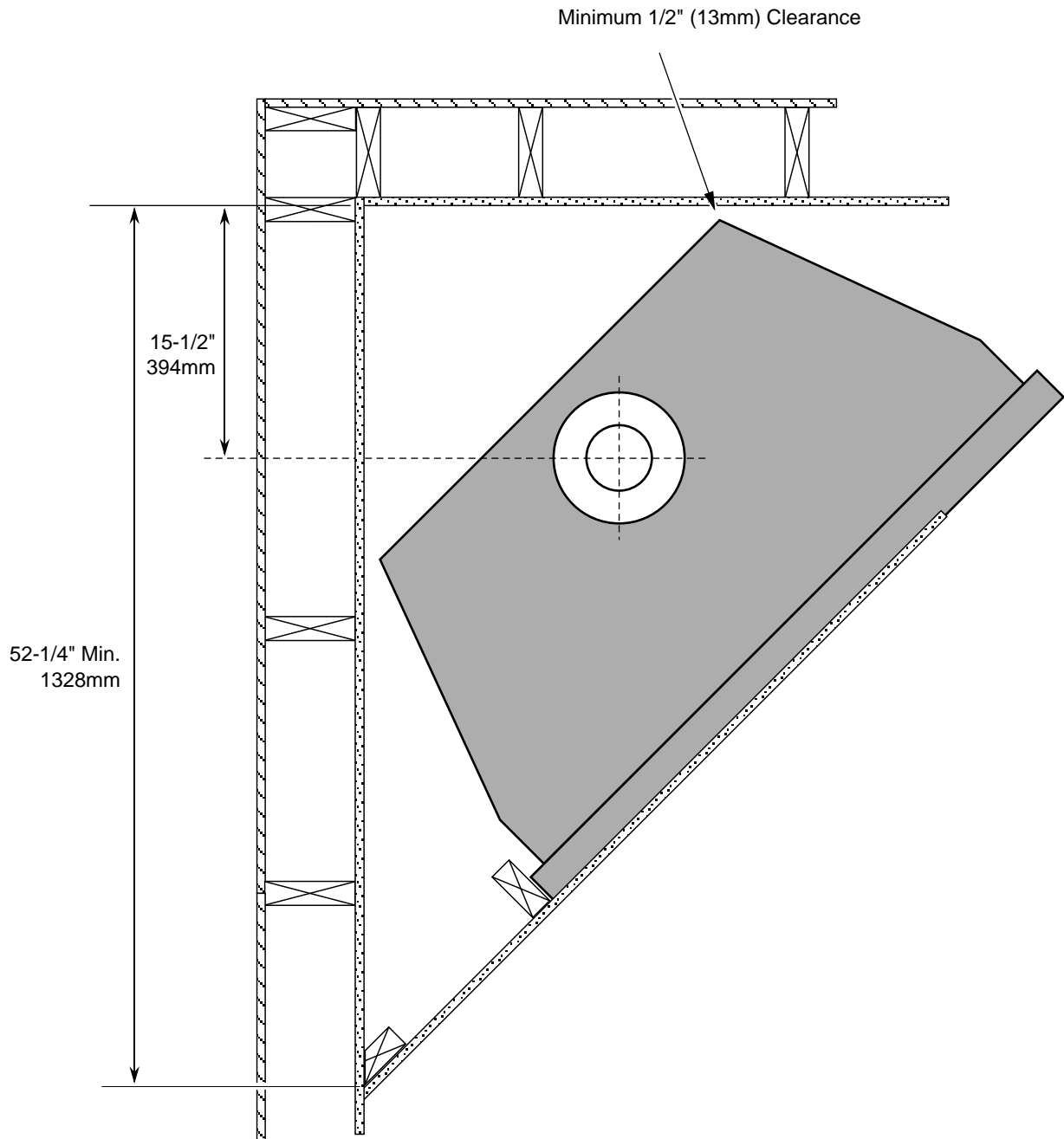
A typical 45° installation uses the framing dimensions shown in the illustration below (NOTE: all clearances still apply).



18 Finalizing the Installation (for qualified installers only)

Corner Installations – Top Vent Configuration

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



Gas Line Requirements

- The gas line must be installed in accordance with all local codes, if any; if not, follow ANSI 223.1 and NFPA 54(88), in Canada follow CSA B149.1 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 (3.5 kPA). For pressures under 1/2 psig (kPA), 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).
- The gas inlet accepts 1/2" MPT.

Gas Inlet Pressure

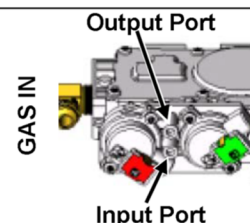
Gas Pressure	Max. Input Pressure	Min. Input Pressure	Max. Manifold Pressure	Min. Manifold Pressure
Natural Gas	7" W.C. (1.74 kPA)	4.6" W.C. (1.13 kPA)	3.5" W.C. (0.87 kPA)	1.6" W.C. (0.40 kPA)
Propane	13" W.C. (3.24 kPA)	11" W.C. (2.74 kPA)	11" W.C. (2.74 kPA)	2.9" W.C. (0.72 kPA)

- 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.

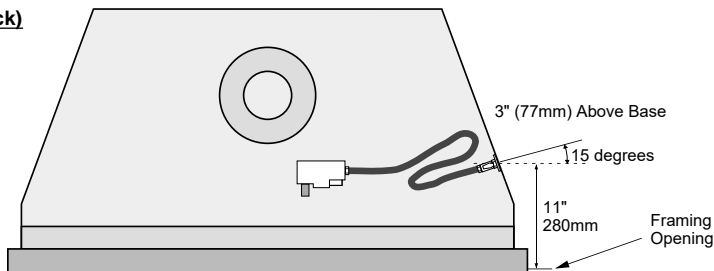


20 Finalizing the Installation (for qualified installers only)

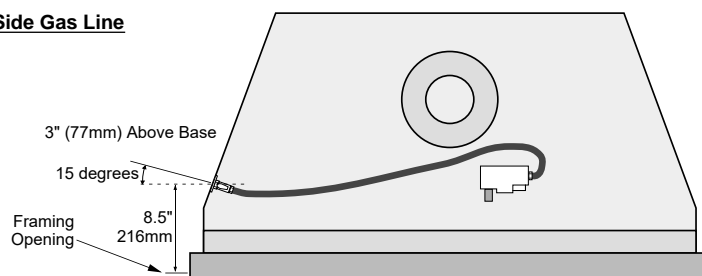
Gas Line Location

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

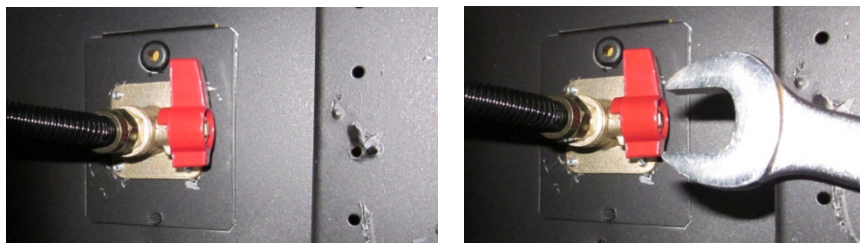


Converting Gas Line to the Left Side

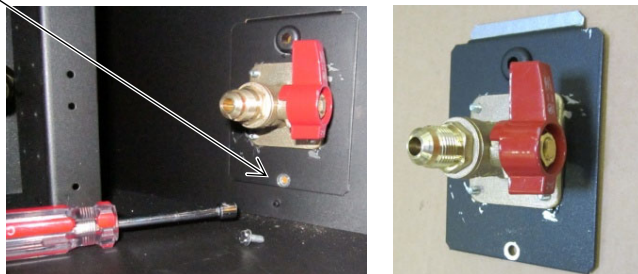
ACCESSING THE AREA UNDER THE BURNER

If switching the gas line to the left side, see page 22 for accessing the area under the burner.

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



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

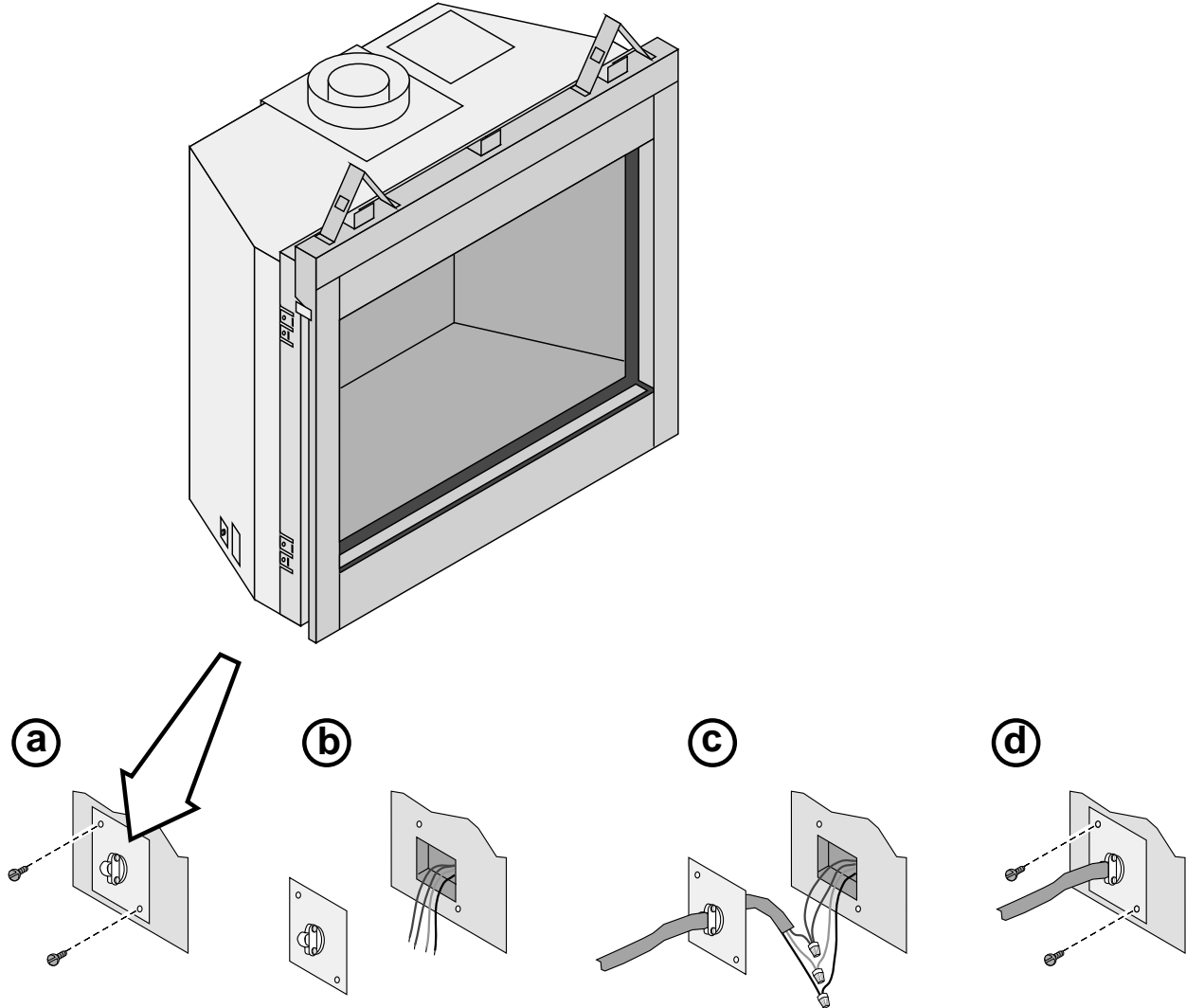


3. Remove the cover plate from the left side of the fireplace (it is held in place in the same fashion as the shutoff valve plate). Attach it to the right side of the fireplace.
4. Attach the shutoff valve plate to the left side of the fireplace. Route the gas line to the left side and re-attach the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

Electrical Connection (required)

- The electrical line to the grounded receptacle inside the fireplace must be installed by a qualified installer and must meet all local codes.
- Make sure the household breaker is shut off prior to working on any electrical lines.
- The appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70, or the Canadian Electrical Code, CSA C22.1.
- The electrical line must be a min. 14 gauge, and supply 240 Volts at 60 Hz (2 Amps).

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

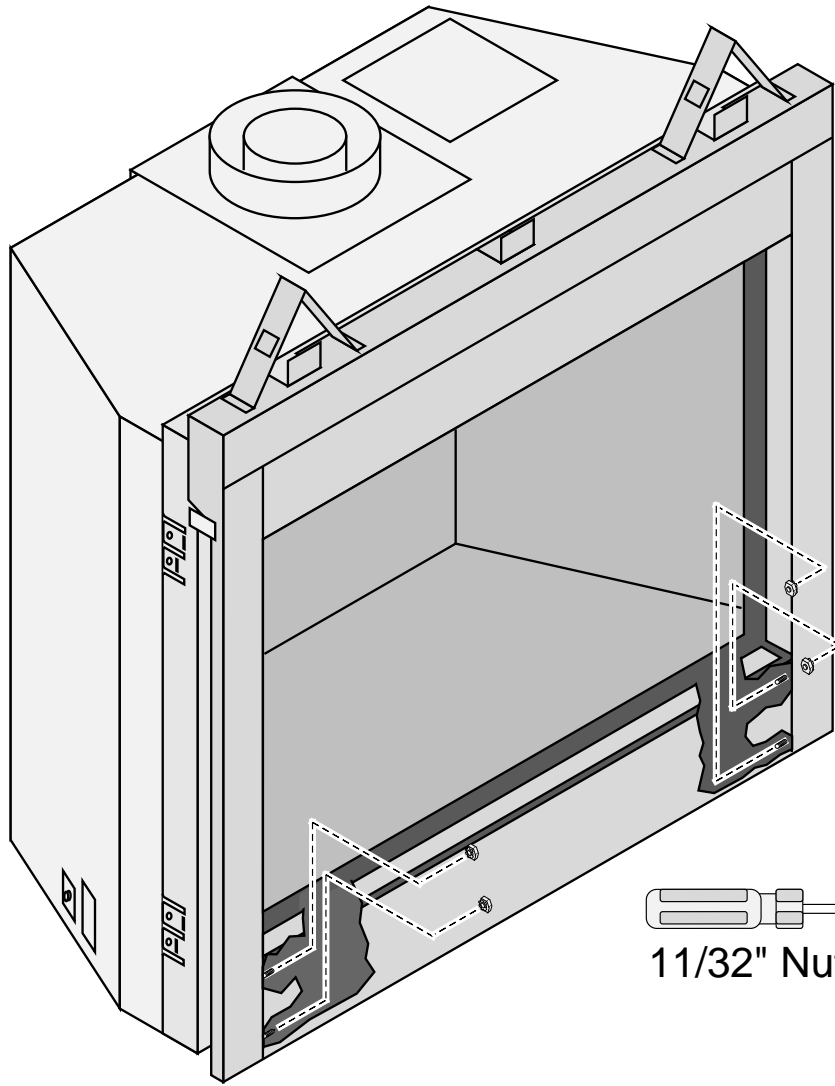


22 Finalizing the Installation (for qualified installers only)

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.
- The flow of combustion and ventilation air must not be obstructed.
- A firestop is required whenever the vent penetrates a wall, floor, or ceiling (passes through framing members). Horizontal vent less than 48" (1219mm) above the fireplace must use the Travis Firestop (sku 93006094 - it incorporates a 3" (76mm) clearance above, 1" (25mm) clearance below and to the sides of the vent). Other penetrations only require a 1" (25mm) clearance and may use a standard firestop (make sure the required 1" (25mm) clearance is met).

Drafting Performance

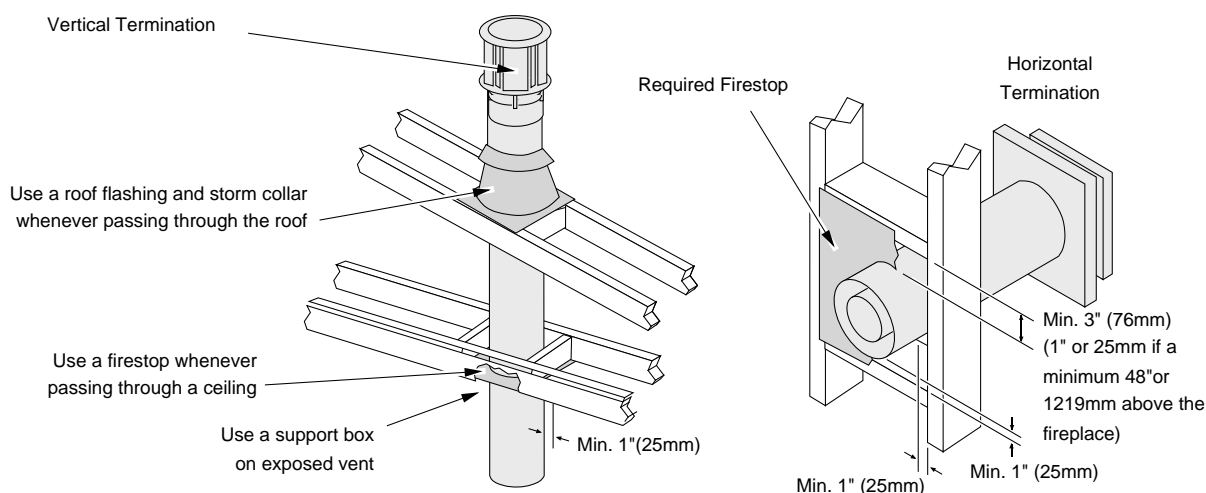
This direct vent appliance requires natural draft to operate (similar to a wood stove or other heating appliance). Draft can be adjusted using the included restrictor. The restrictor settings detailed in the manual should be followed (variations may occur depending upon installation parameters).

Many factors may negatively influence the draft of the appliance. Dragon Wholesaling 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 combustibles materials to prevent a fire. Do not fill air spaces with insulation.

	Before 48" (1219mm) Rise	After 48" (1219mm) Rise
Sides	1" (25mm)	1" (25mm)
Above	3" (76mm)	1" (25mm)
Below Horizontal or 45° Section	1" (25mm)	1" (25mm)



Altitude Considerations

- This heater has been tested at altitudes ranging from sea level to 6,000 feet (1800 M). 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.

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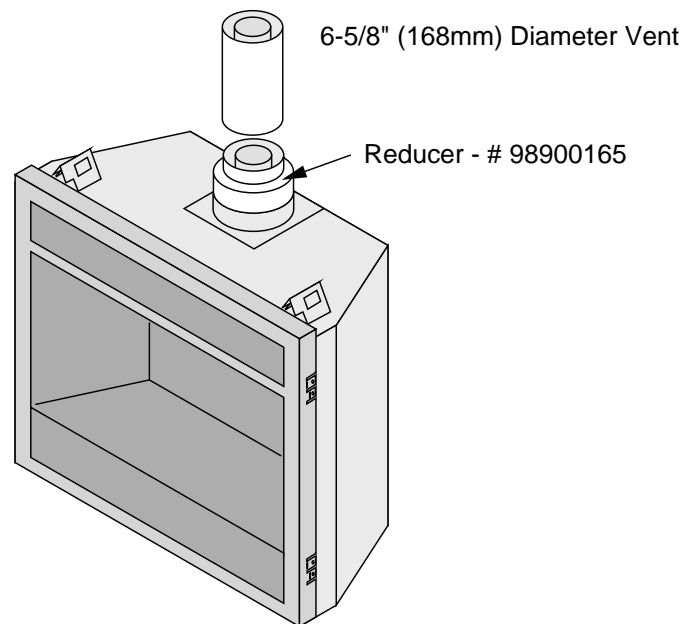
Approved Vent

- Rear vent configurations use 8" (203mm) diameter Simpson Dura-Vent Model Direct-Vent Pro (or GS)*.
- Top vent configurations use 8" (203mm) or 6-5/8" (168mm) diameter Simpson Dura-Vent Direct-Vent Pro (or GS)*. If using 6-5/8" (168mm) diameter vent, attach the 8" (203mm) to 6-5/8" (168mm) reducer (Travis part # 98900165) to the fireplace.

NOTE: When using 6-5/8" (168mm) diameter vent, make sure to accommodate the 3" (76mm) clearance above the vent for the first 48" (1219mm) of rise (see vent clearances on page 23). Standard firestops do not include this clearance.

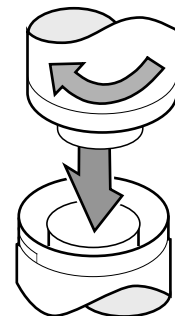
* Other vent may be approved with this fireplace. Check with the vent manufacturer for details.

- Always use the high-wind cap (or high-wind scone cap, part # 58DVA-HSCH or 46DVA-HSCH).
- Installation instructions for Simpson Dura-Vent may be found at www.duravent.com



Vent Installation

- Slide the vent sections together and turn 1/4 turn until the sections lock in place.
- Screws are not required to secure the vent. However, three screws may be used to secure vent sections together if desired.
- High temperature sealant is recommended at the appliance starter section connection (use high-temperature silicone or Mill-Pac®).
- If disassembly is required, at time of re-assembly check to see if the vent creates a tight fit. If it does not, apply high temperature sealant to the joints of the affected sections.
- Horizontal sections require a 1/4" (6mm) rise every 12" (305mm) of travel
- Horizontal sections require non-combustible support every three feet (e.g.: plumbing tape)
- Vent termination must not be located where it can become plugged by snow or other material.
- Use the vinyl siding standoff when installing on a structure with vinyl siding.
- Venting termination shall not be recessed into a wall or siding.



Approved Vent Configurations

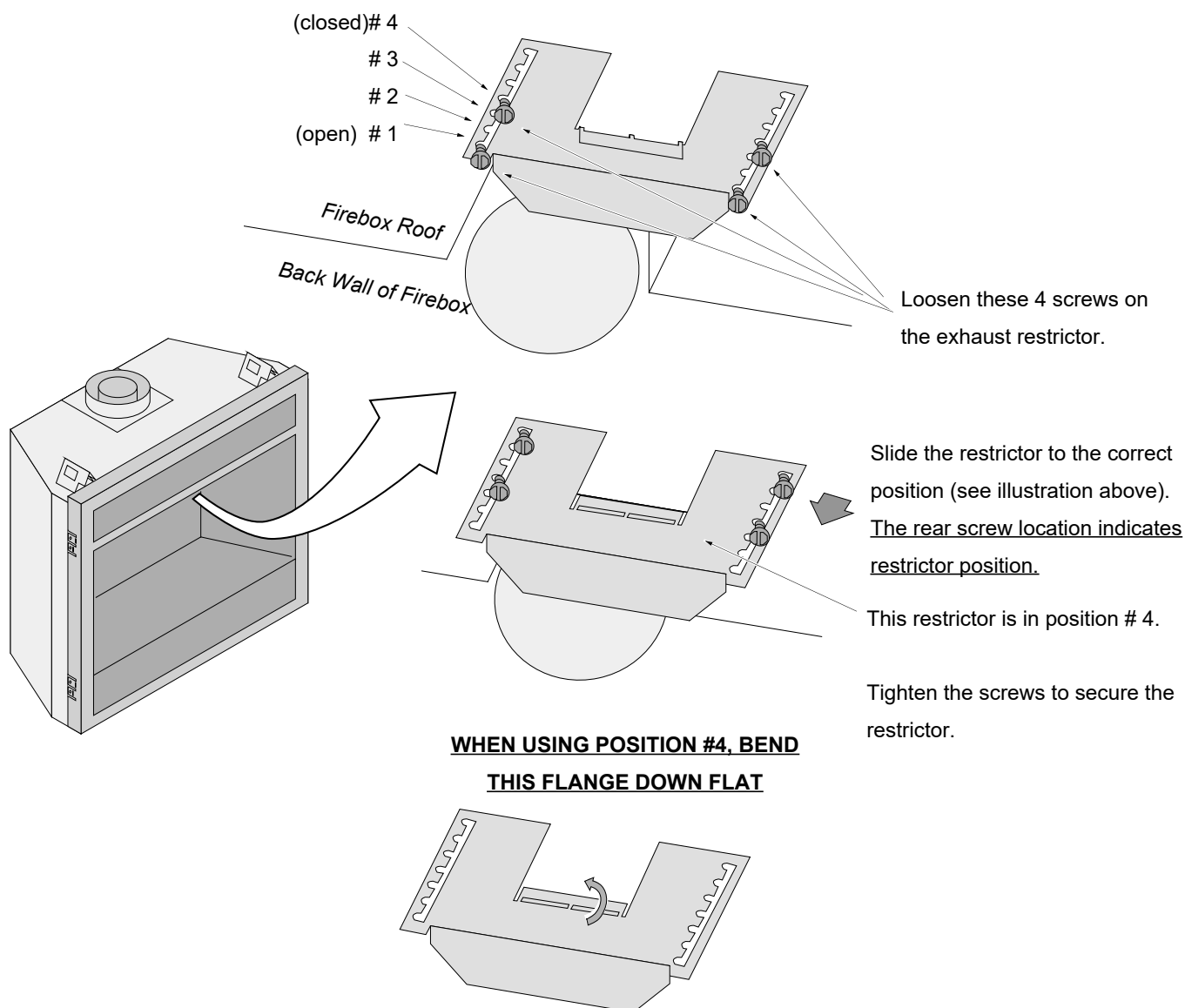
Restrictor Position

- 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



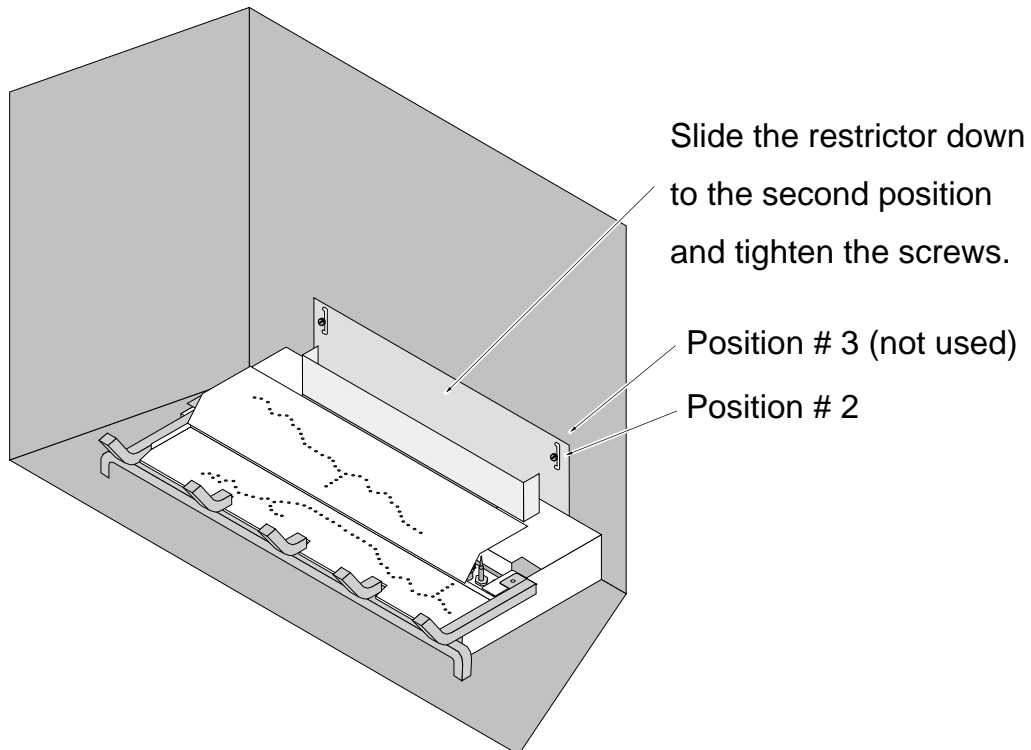
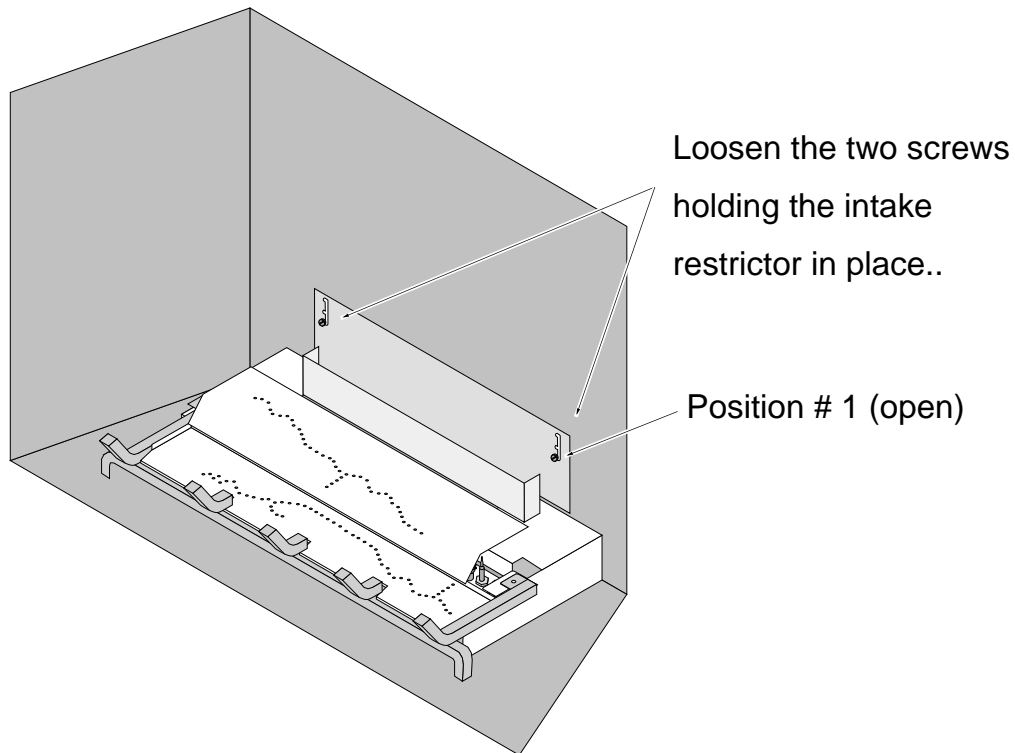
If the diffuser is required to be in position # 2, you may wish to adjust the diffuser while the exhaust restrictor is removed.



26 Finalizing the Installation (for qualified installers only)

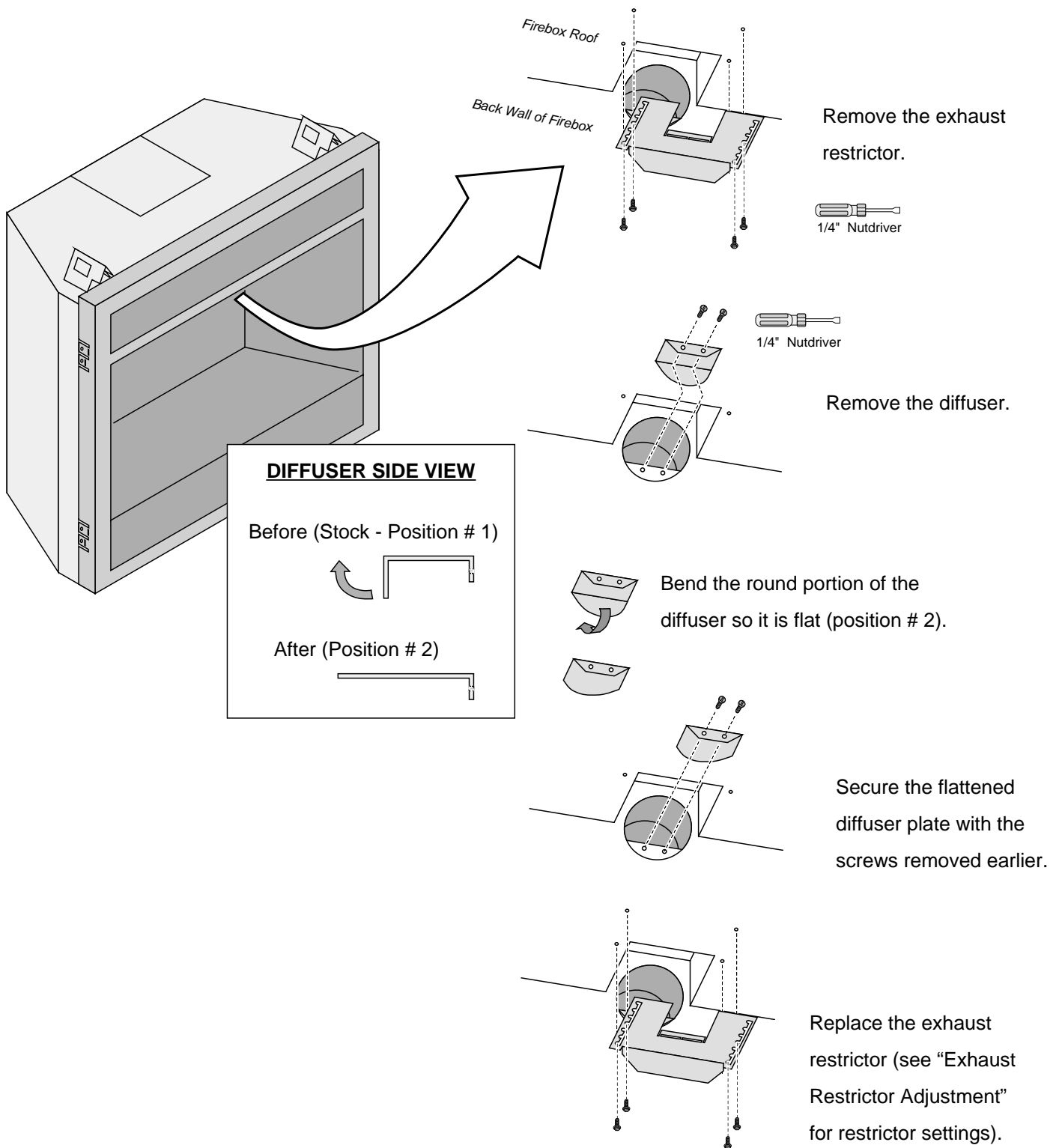
Intake Restrictor Adjustment

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



Diffuser Plate Adjustment

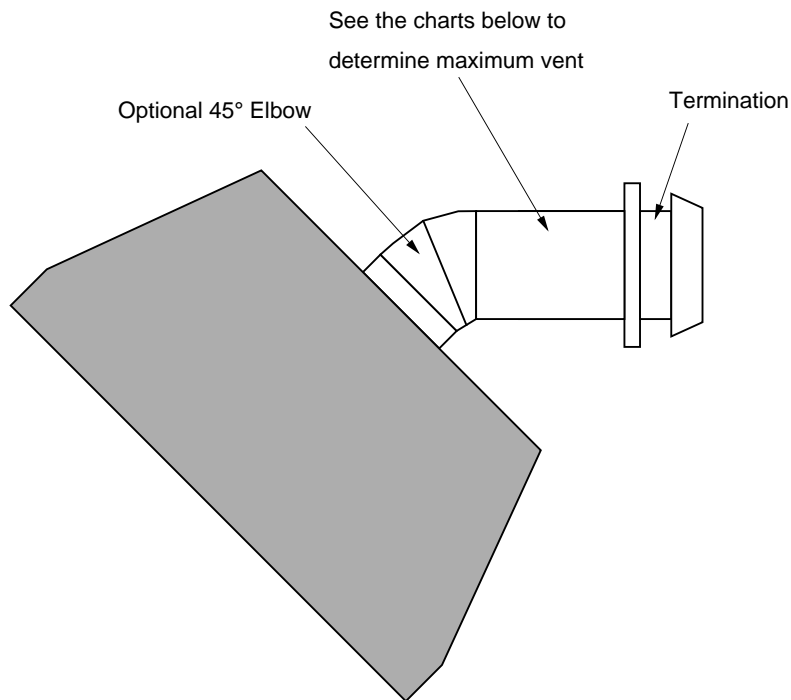
Certain vent configurations require the diffuser plate to be adjusted (refer to the approved vent configuration charts for details). Position # 1 is stock (bent). Position # 2 is flattened. See the directions below to change the diffuser to position #2.



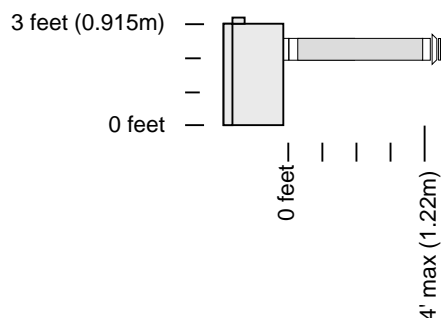
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Rear Vent Configuration with Horizontal Termination (no vertical rise)

- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor and diffuser positions.



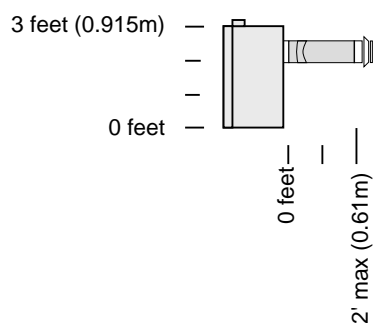
Vent with No 45° Elbow



- Exhaust Restrictor # 1 (stock)
- Intake Restrictor # 1 (stock)
- Diffuser Position # 1 (stock)

- Min. 4" (102mm) Horizontal Section
- Max. 48" (1219mm) Horizontal Section(s)

Vent with 1 45° Elbow

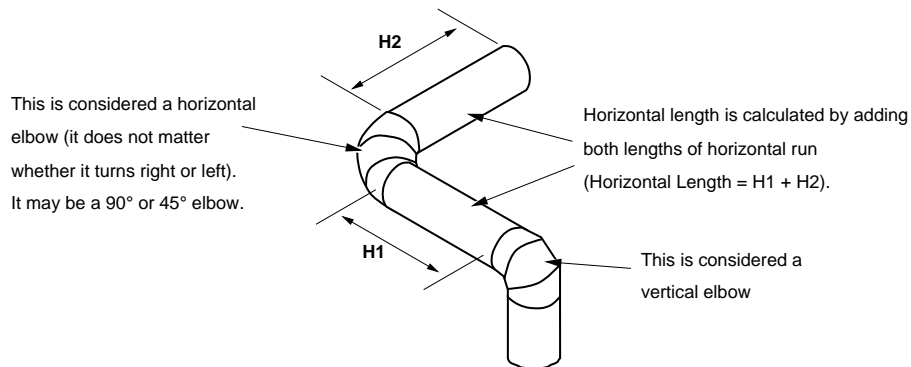
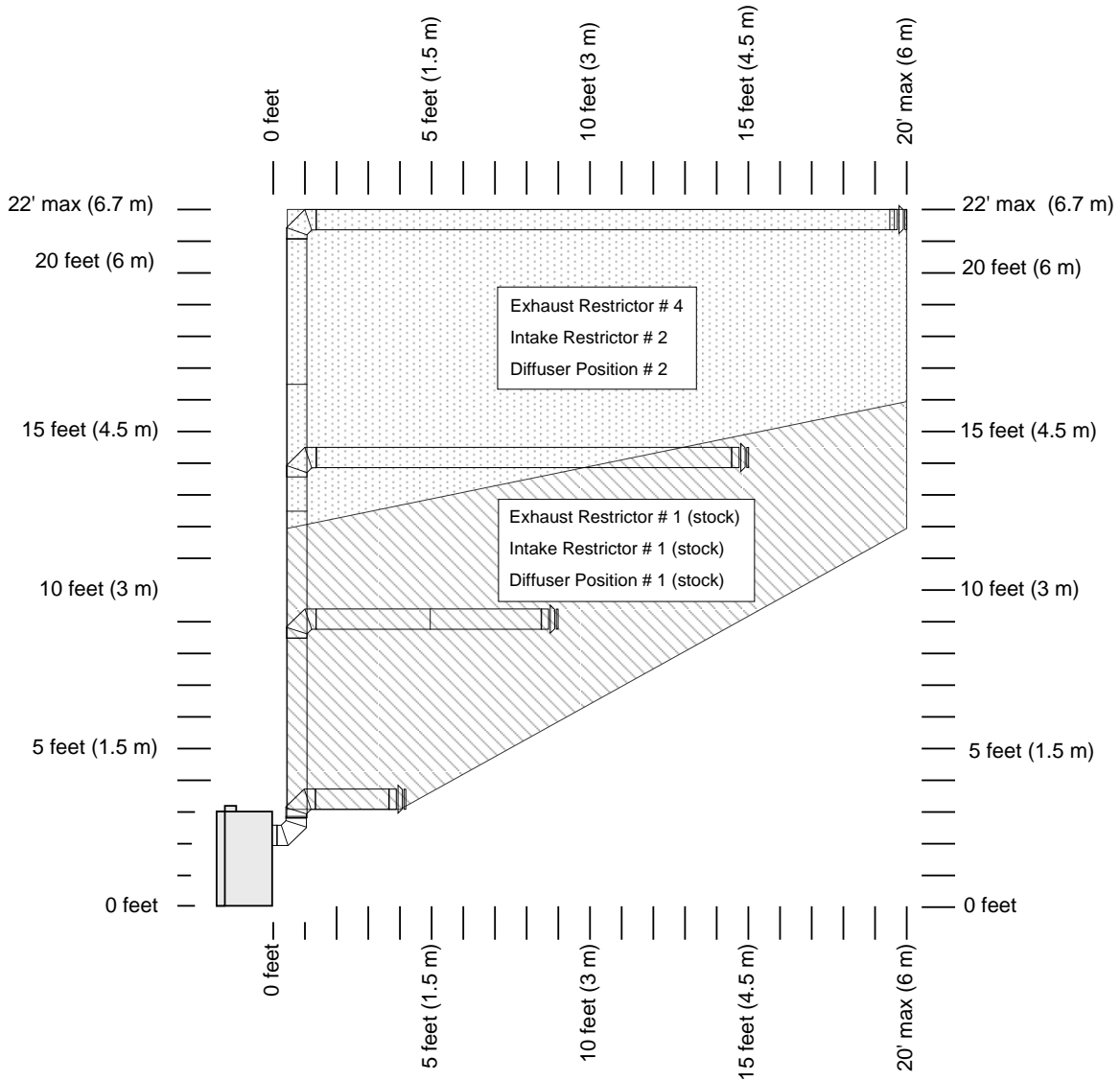


- Exhaust Restrictor # 1 (stock)
- Intake Restrictor # 1 (stock)
- Diffuser Position # 1 (stock)

- Min. 4" (102mm) Horizontal Section
- Max. 24" (610mm) Horizontal Section(s)

Rear Vent Configuration with Horizontal Termination (with vertical rise)

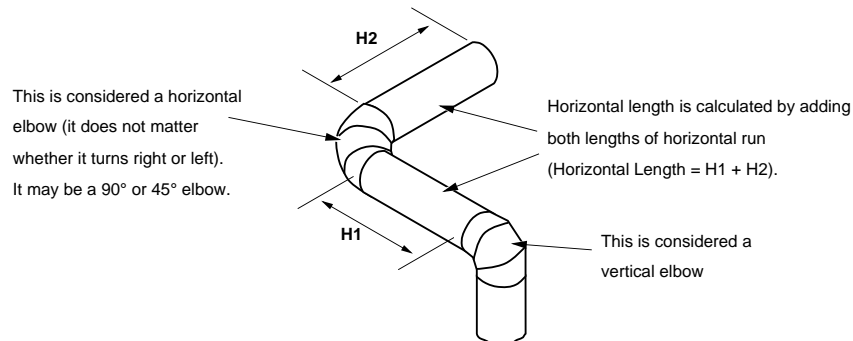
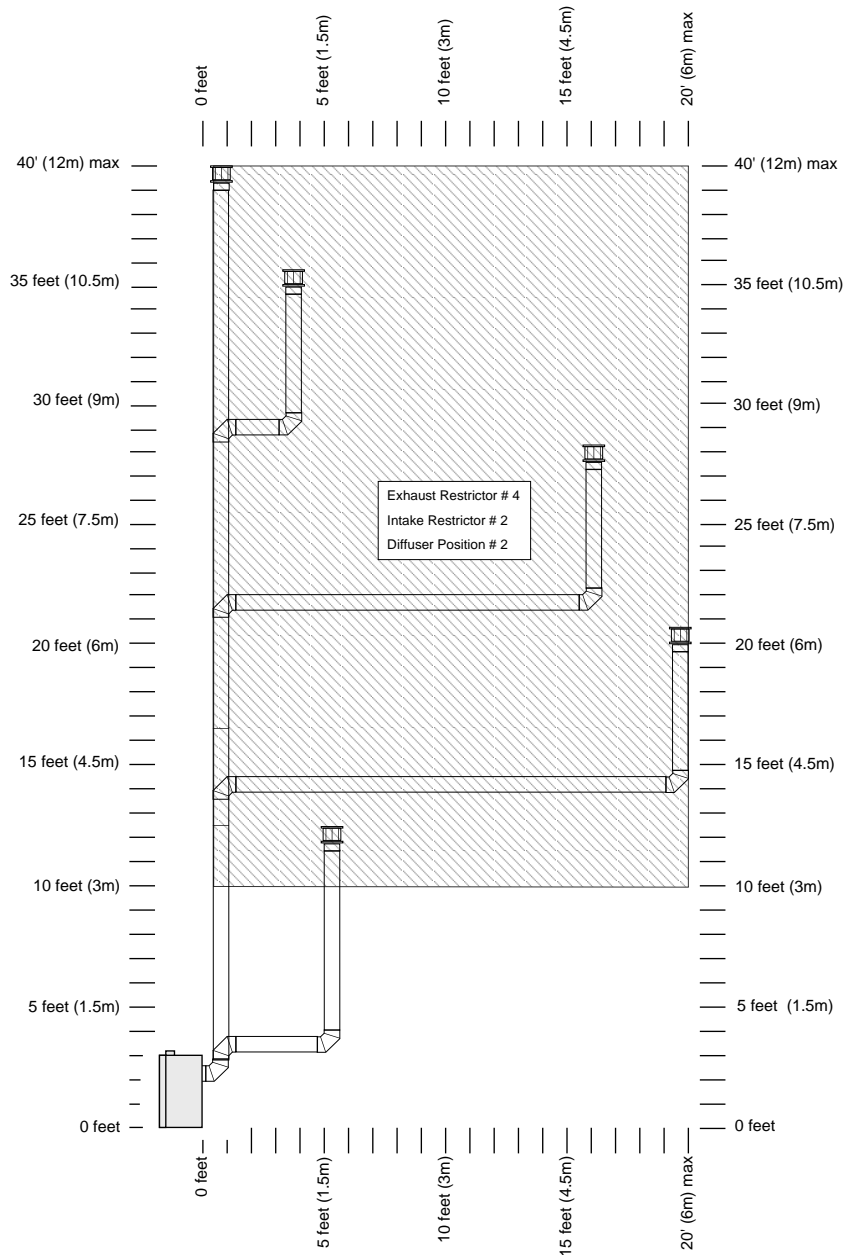
- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor and diffuser positions.
- Up to four elbows (45° or 90°) may be used.
- Only one horizontal elbow may be used.



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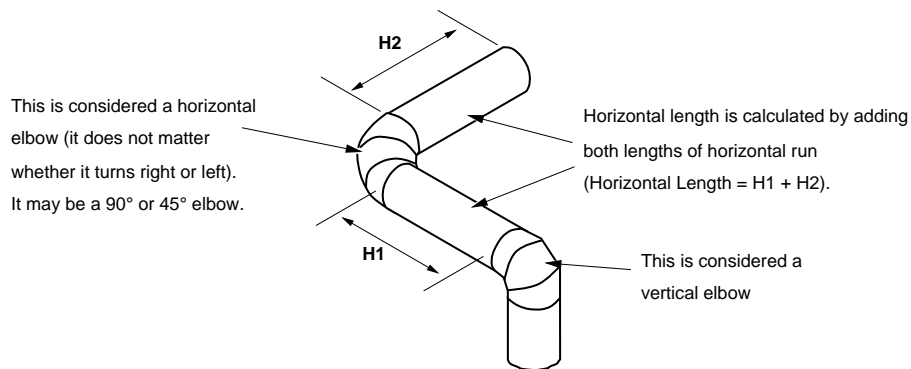
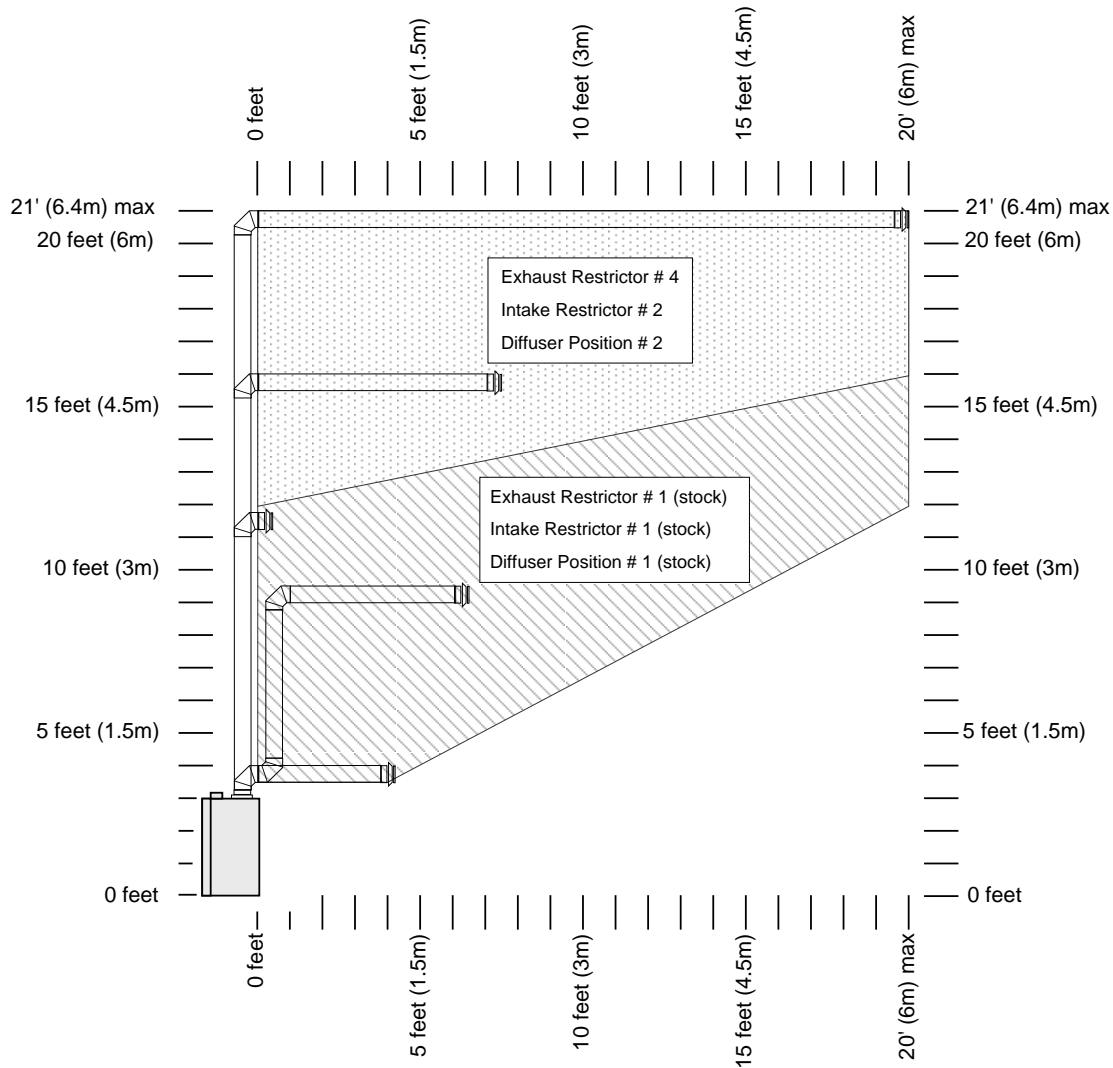
Rear Vent Configuration with Vertical Termination

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



Top Vent Configuration with Horizontal Termination

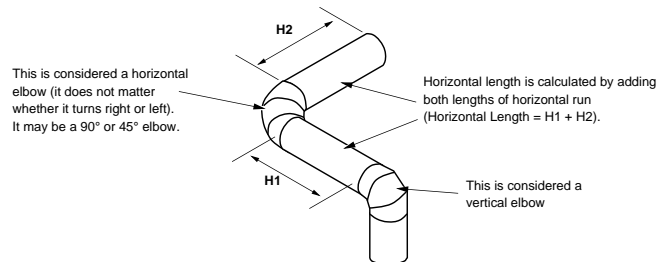
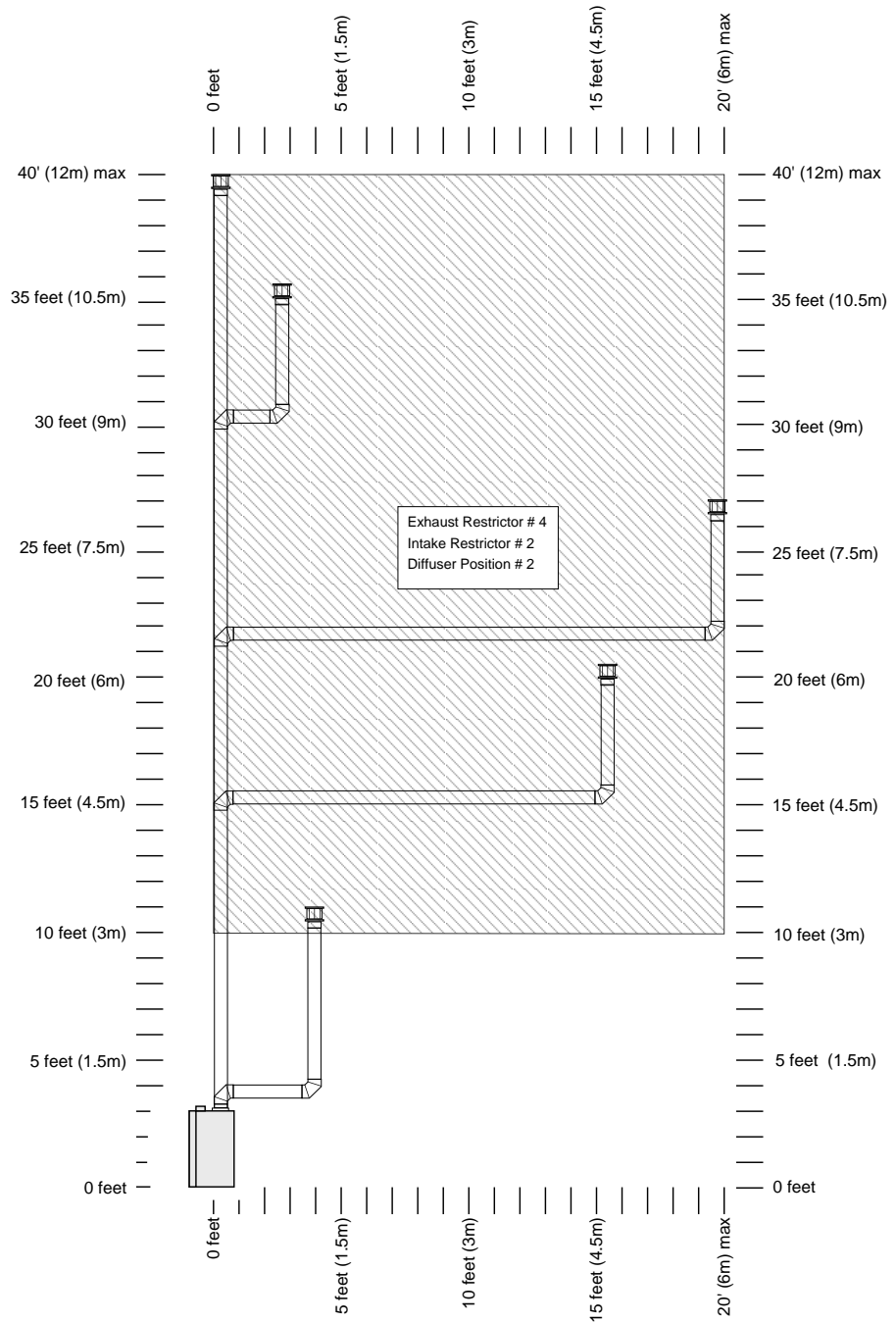
- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor and diffuser positions.
- Up to four elbows (45° or 90°) may be used.
- May use 8" (203mm) or 6-5/8" (168mm) diameter vent (see page for 23 details).
- Only one horizontal elbow may be used.



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Top Vent Configuration with Vertical Termination

- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor and diffuser positions.
- Up to four elbows (45° or 90°) may be used.
- Only one horizontal elbow may be used.
- May use 8" (203mm) or 6-5/8" (168mm) diameter vent (see page for 23 details).

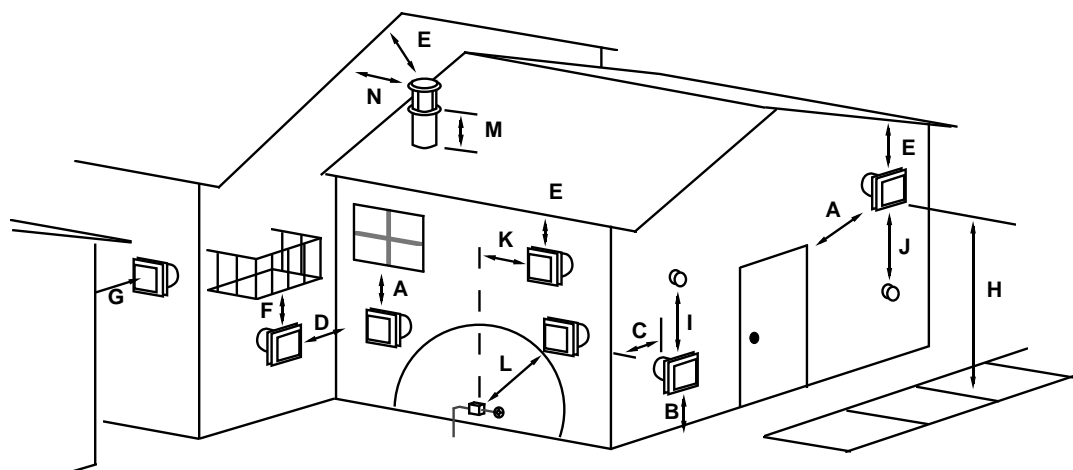
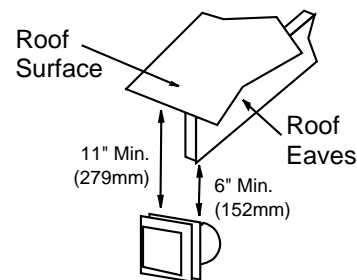


Termination Requirements

Vent Terminations Must Comply with AS/NZS 5601.1

! Venting terminals shall not be recessed into a wall or siding.

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



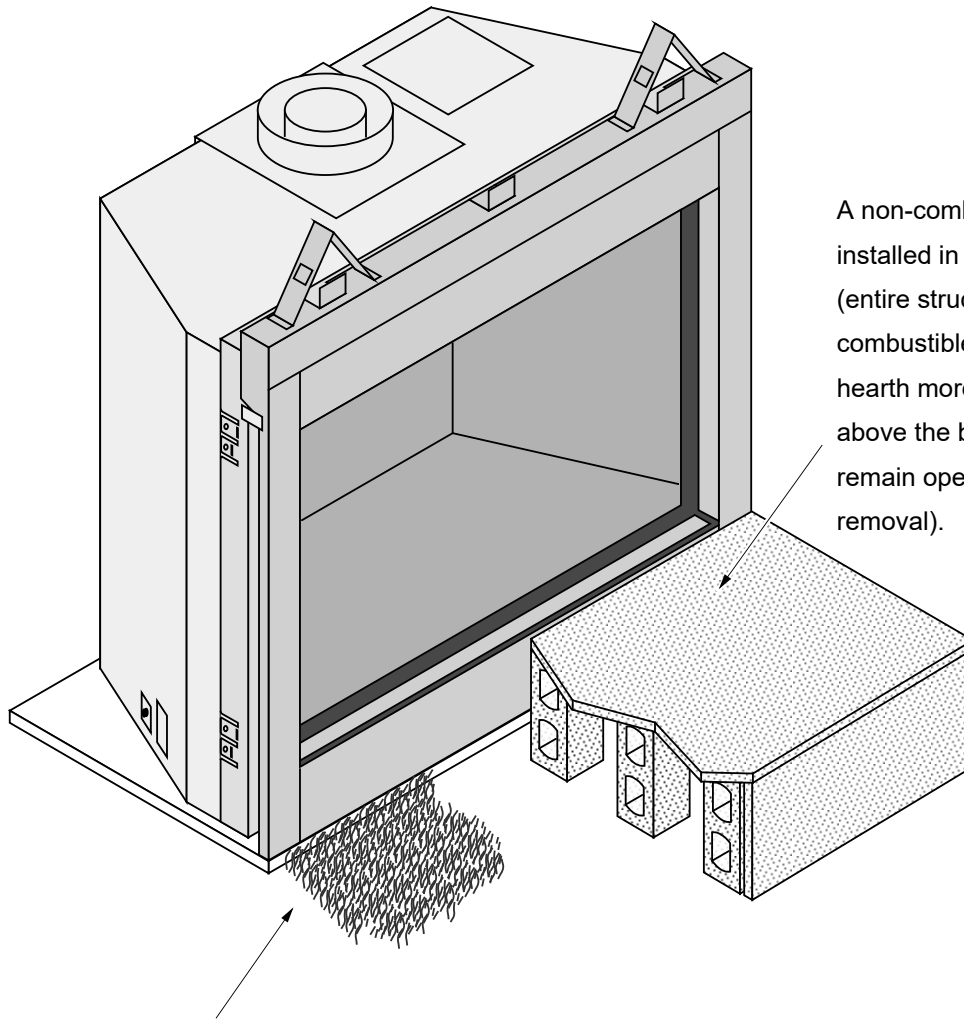
NOTE: Measure clearances to the nearest edge of the exhaust hood.

WARNING

Direct vent terminations are designed to keep water from entering the venting and appliance from naturally occurring precipitation, however, these caps cannot effectively protect from direct streams of water (i.e., runoff from a roof). Care must be taken when planning the installation to ensure that runoff from adjacent roofs or gutter systems does not contact the termination. Water infiltration into the venting system and appliance can cause premature failure of the appliance and/or create hazardous conditions that lead to property damage, injury, or death.

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Hearth Requirements



A non-combustible hearth may be installed in front of the fireplace (entire structure must be non-combustible). Do not build the hearth more than 5.625" (143mm) above the baseplate (this area must remain open for screen and glass removal).

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

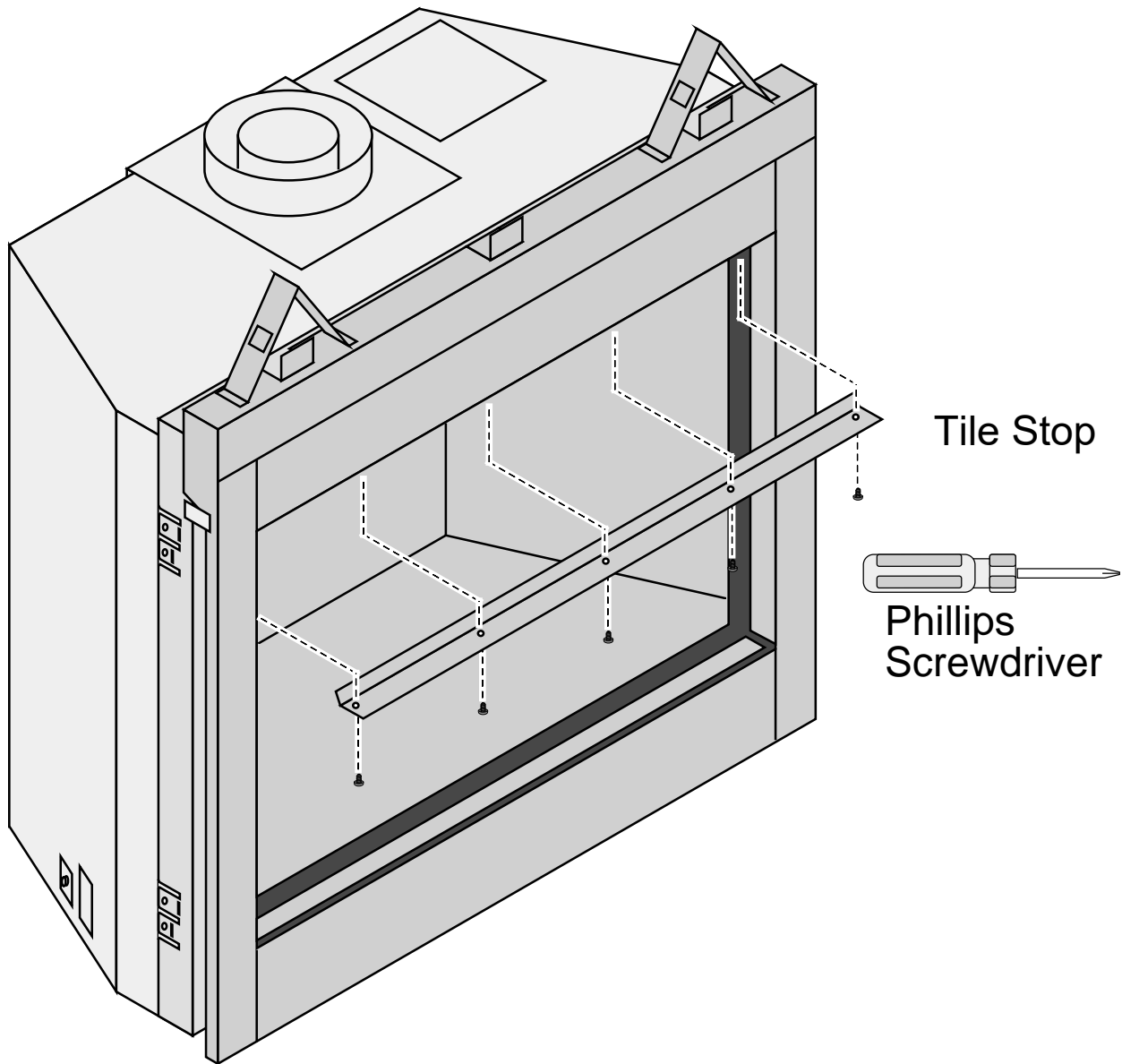
WARNING:

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

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.



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Facing Requirements

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

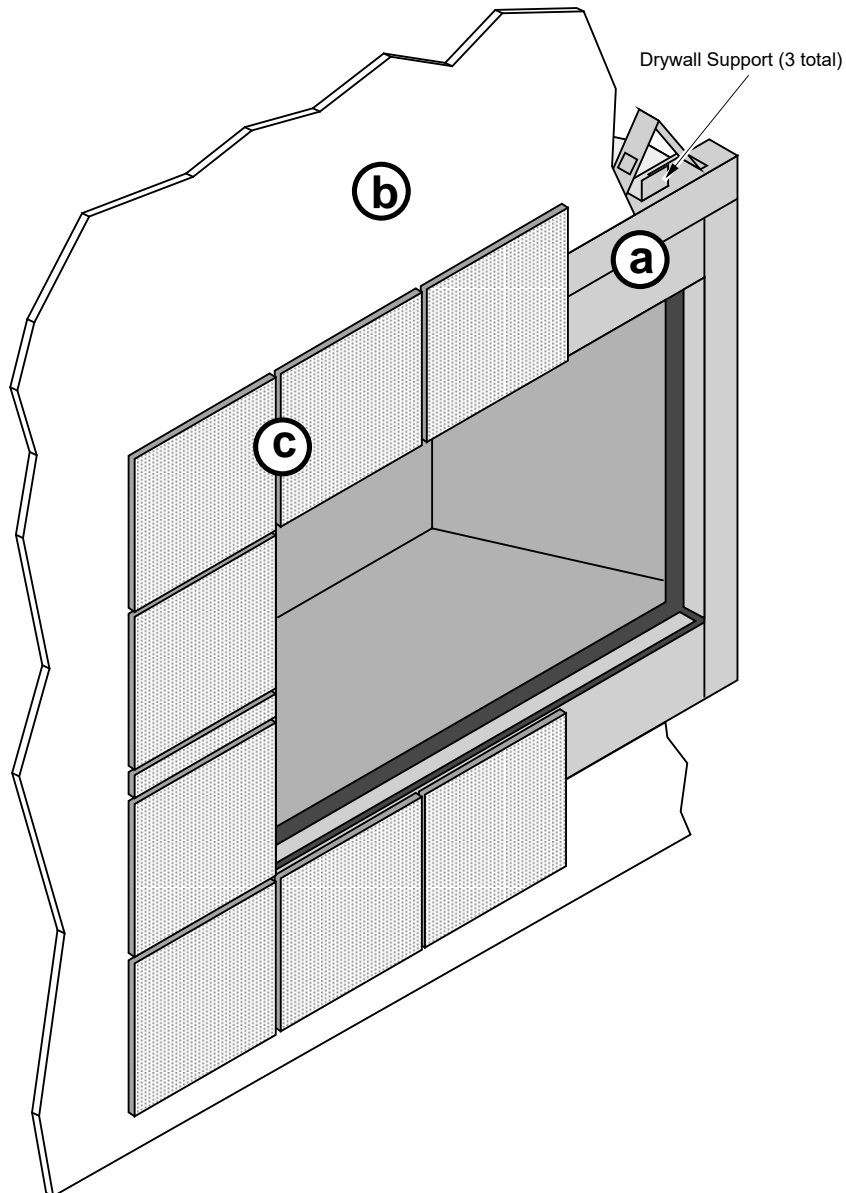
NOTE: A custom trim will be required to fill the gap between the wall sheeting and fireplace if finishing in this manner.

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



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

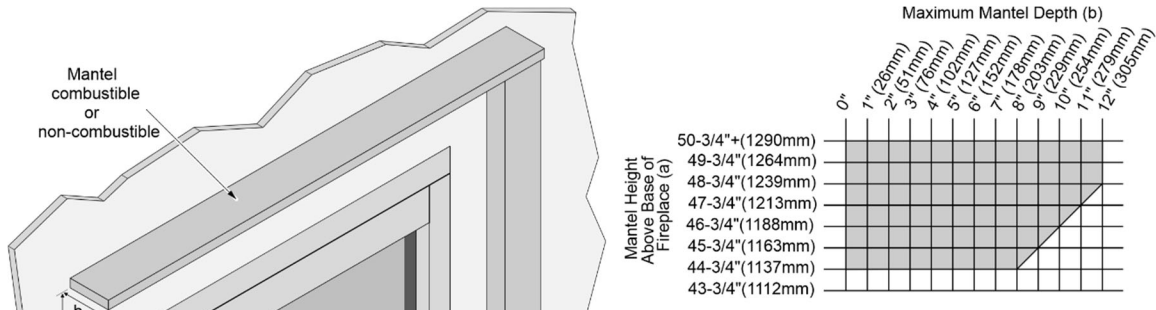
NOTE: Screws may be used to secure cement board or tile backer to the fireplace. Do not penetrate the fireplace more than 1/2” (13mm).



Mantel Requirements

Combustible Mantels

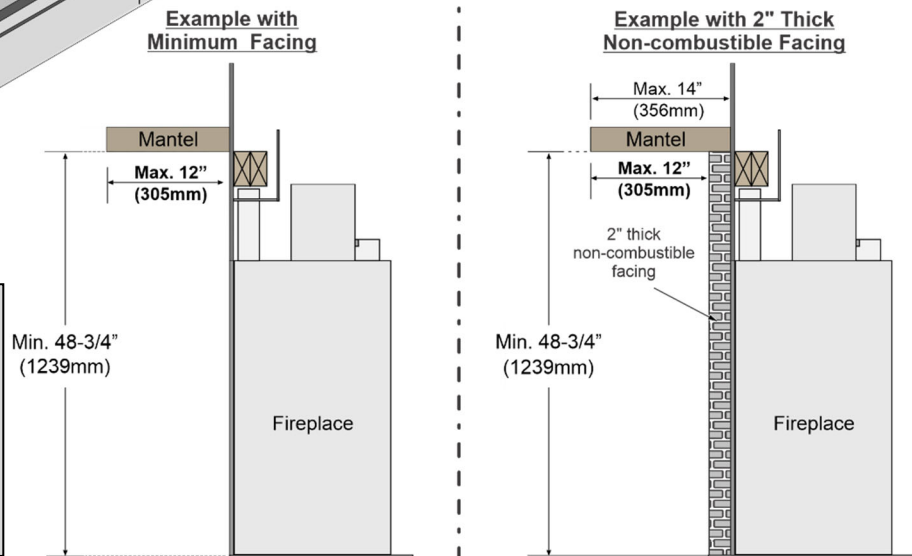
- Use the table below to determine the maximum mantel depth allowed. The mantel depth (measured from the face of the fireplace) must fall in the shaded portion of the table.



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.

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.



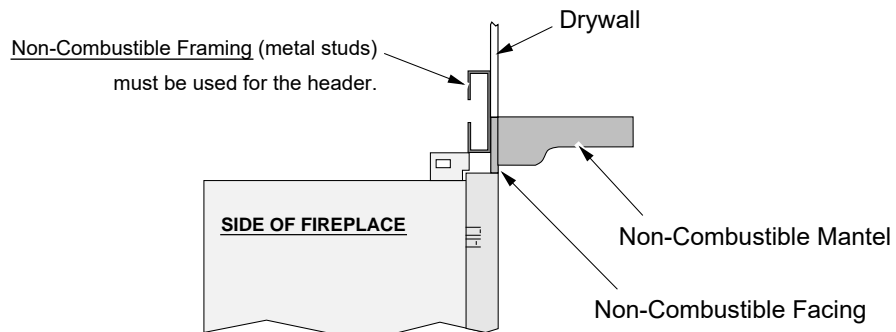
Examples:

- If you wish to have an 8" (203mm) deep mantel, it must be at least 44-3/4" (1137mm) above the base of the fireplace.
- If you wish to have a mantel 46-3/4" (1188mm) above the base of the fireplace, it must be no deeper than 10" (254mm).

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:

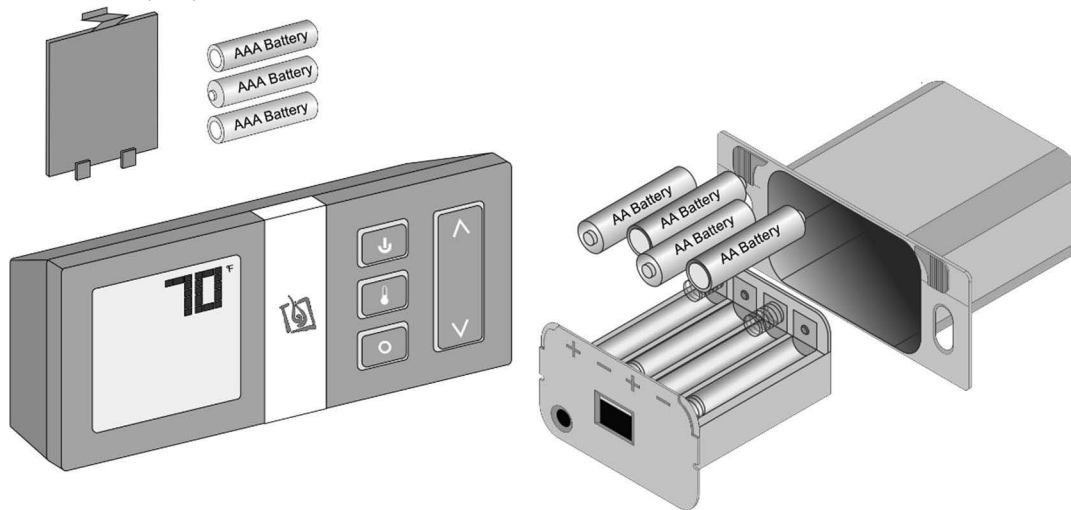
- Non-combustible mantel and facing must extend from the top of the appliance to the top surface of the mantel.
- A non-combustible header must be used (metal stud).



38 Finalizing the Installation (for qualified installers only)

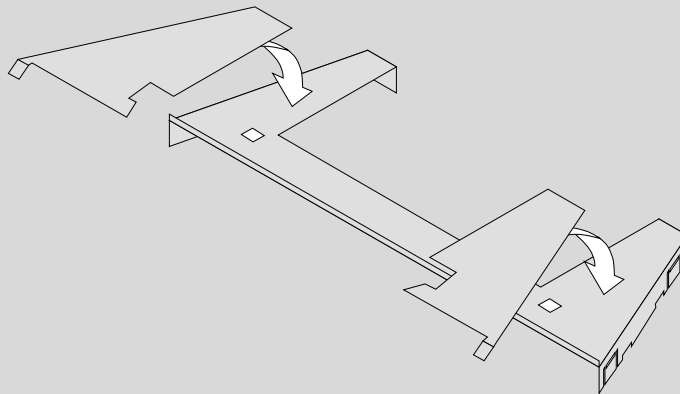
Steps for Finalizing the Installation

1. Remove the barrier and glass (see page 40).
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 43).

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

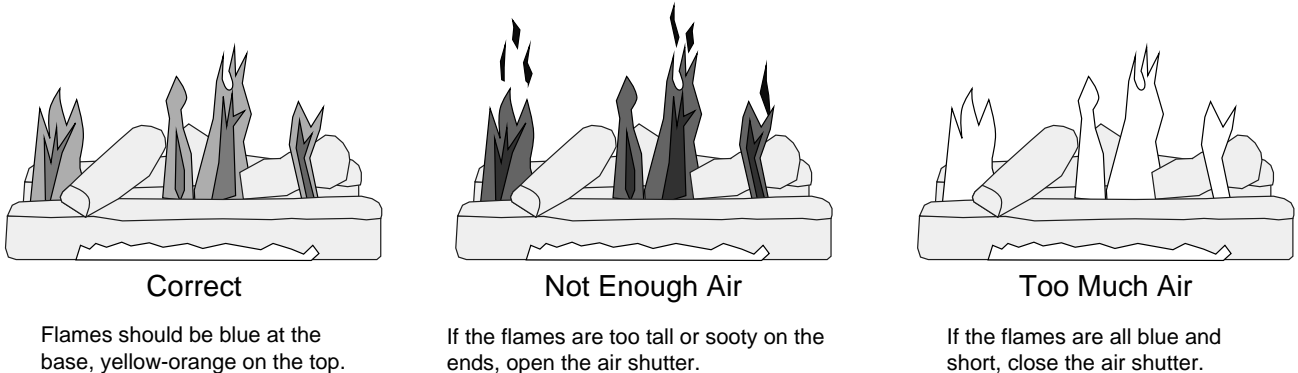


5. Install the ember chunks and ember bed glass (see page 44)
6. Install the logs (see page 48).
7. Replace the glass.
8. Start the heater.
9. Leak test all gas joints.

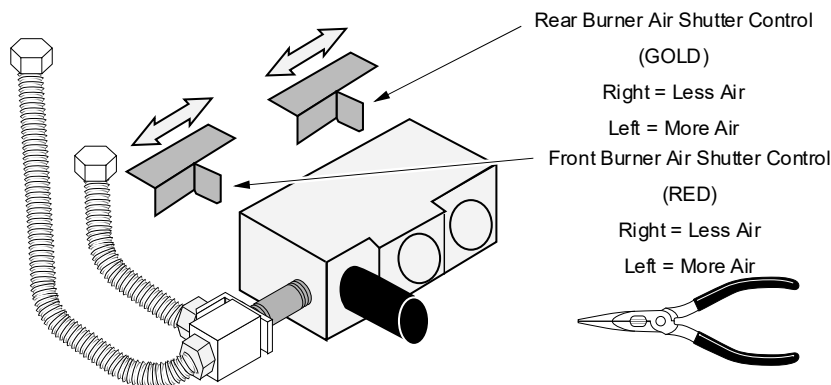
10. Check the air shutter following the directions below.

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

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

40 Finalizing the Installation (for qualified installers only)

Barrier Removal



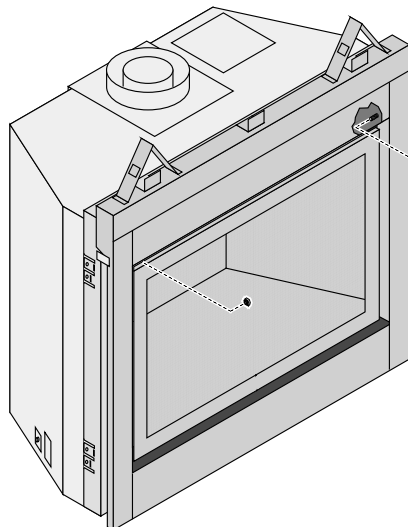
A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and shall be installed for the protection of children and other at-risk individuals.



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

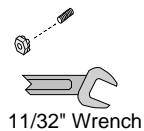


If using a face or grill that requires use of a cove cover, use the cove cover included with the fireplace (see below). Do not use the cover included with face or grill (if applicable).

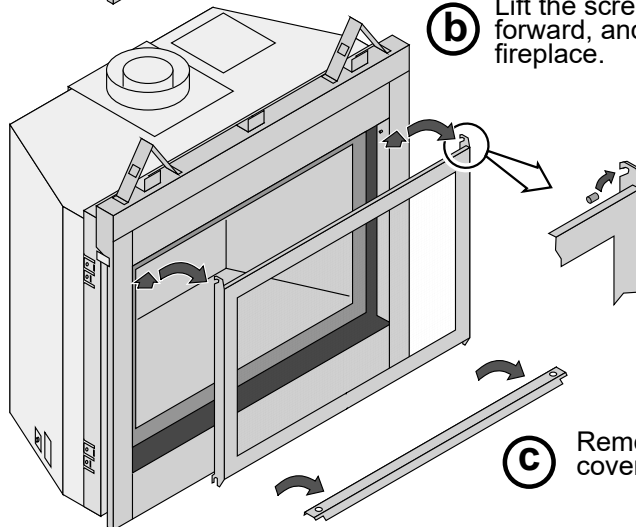


a

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



11/32" Wrench



b

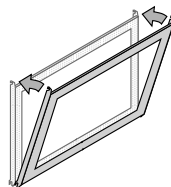
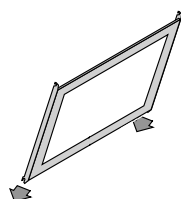
Lift the screen up, pivot the top forward, and remove from the fireplace.

c

Remove the concealment cover.



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



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.



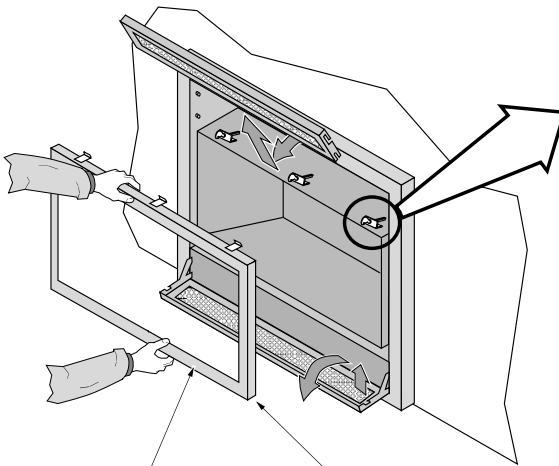
You may use the included glass latch tool to unlatch the glass latch. When done with the tool, place it on the base of the fireplace below the concealment cover.

a

Based upon the face being used, either:

- (a) swing the access door down and remove the top grill,
- (b) remove the face (unscrew or lift off - see the instructions included with the face for details).

Open the six latches holding the glass frame in place (start with the bottom three) - follow the directions shown to the right.

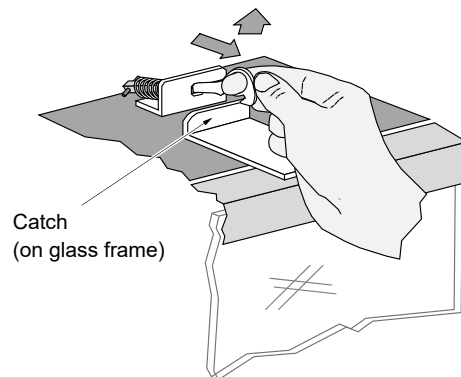
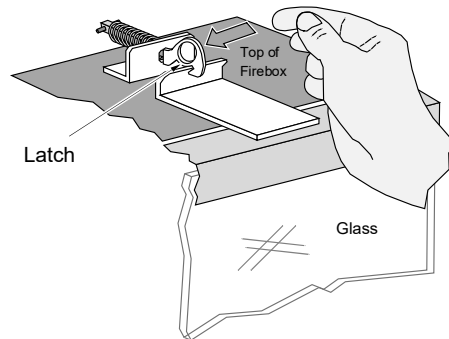


b

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:

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

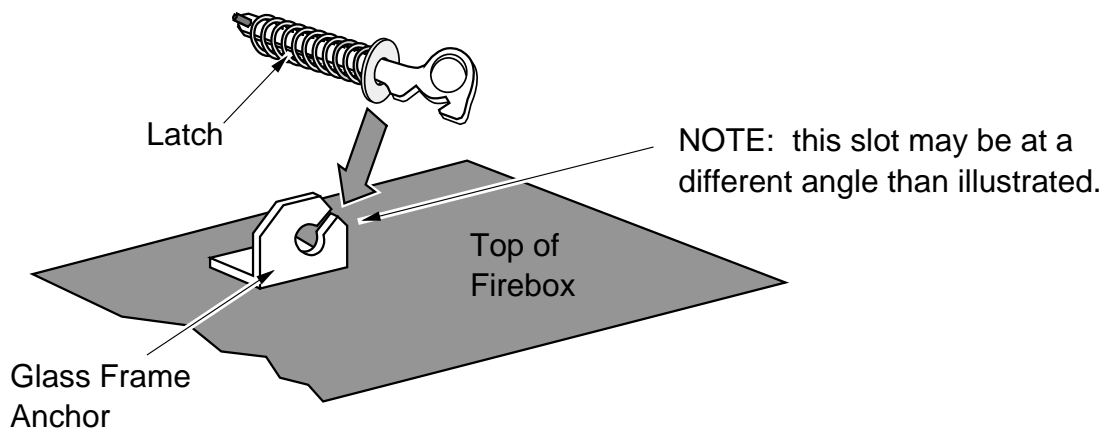
NOTE: Make sure the glass frame is all the way in place.

42 Finalizing the Installation (for qualified installers only)

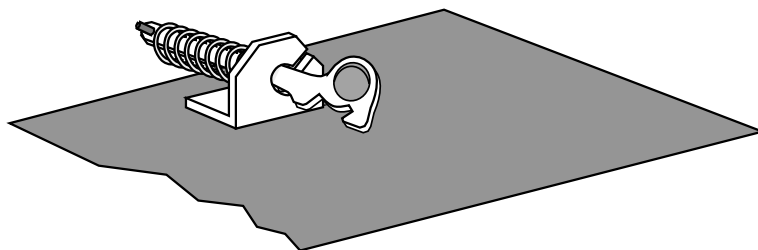
Glass Frame Removal and Installation (continued)

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

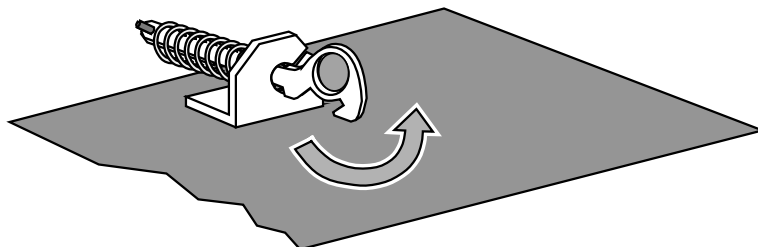
Hold the latch at an angle and insert it into the slot on the glass frame anchor.



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

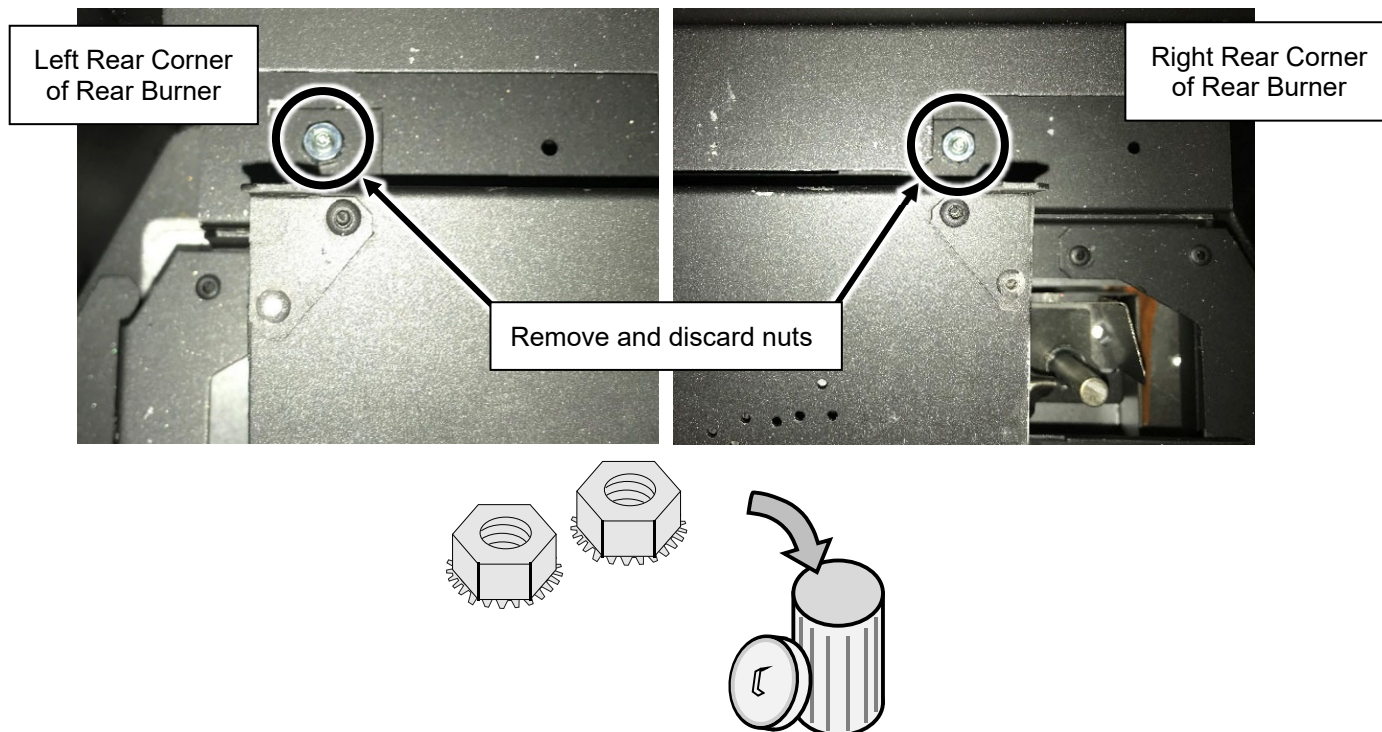


Once fully inserted, turn the latch until it is upright.



Shipping Retaining Nut Removal

(2) 3/8" nuts secure the rear burner to the fireplace for shipping purposes. Remove and discard the nuts (see below).



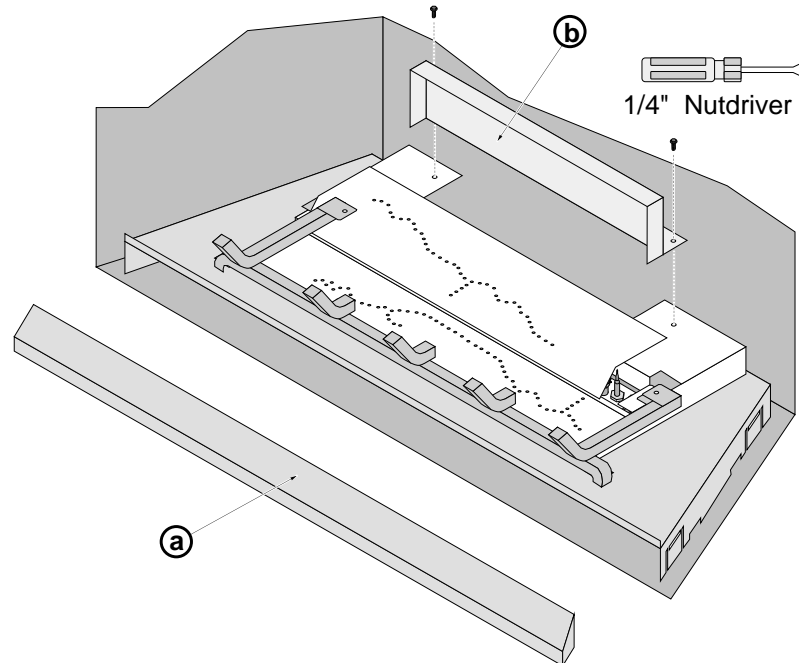
NOTE: Do not reinstall the shipping nuts. The burner brackets sit over the threaded pins and the burner needs to be able to move freely as it expands and contracts with heat.

44 Finalizing the Installation (for qualified installers only)

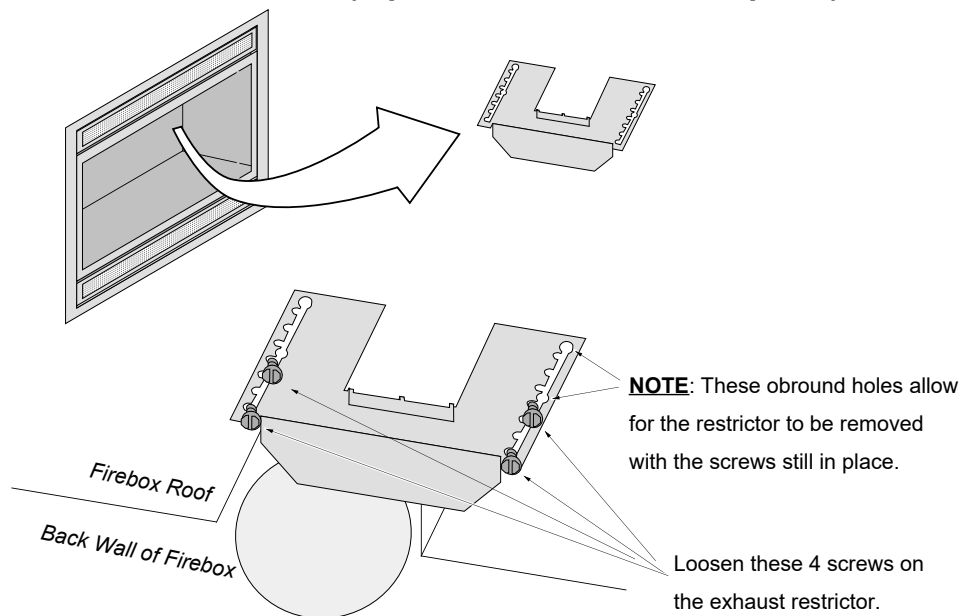
Special Instructions for Fireback Installation -

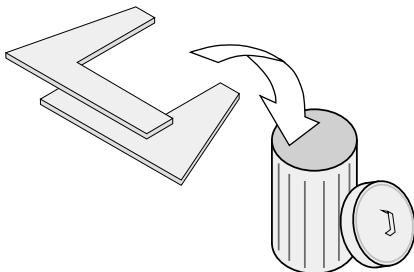
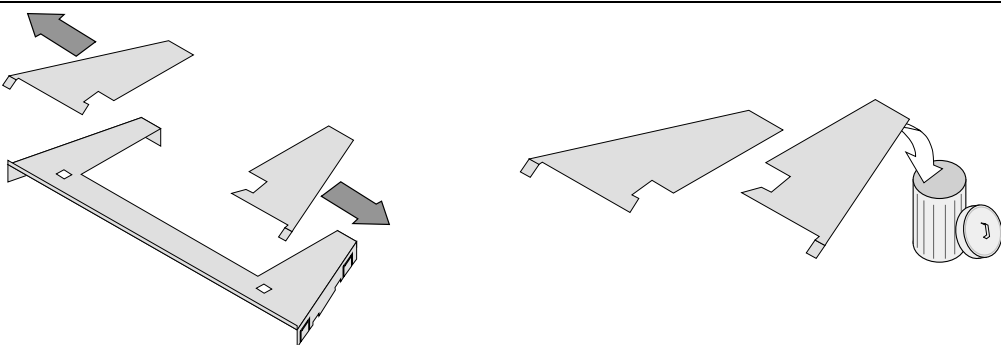
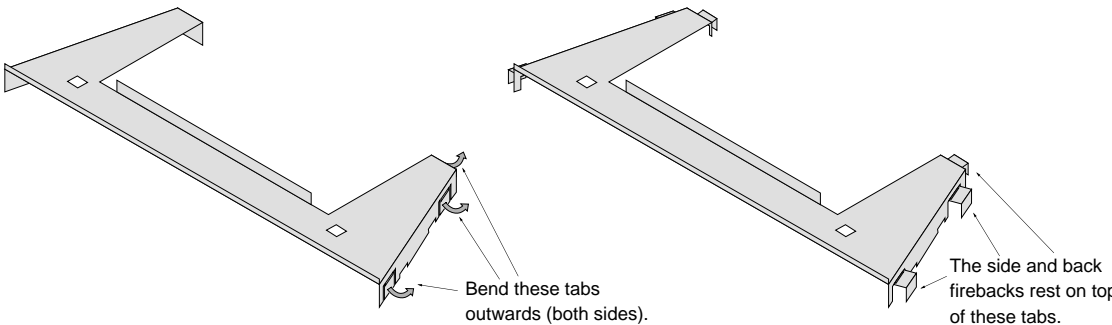
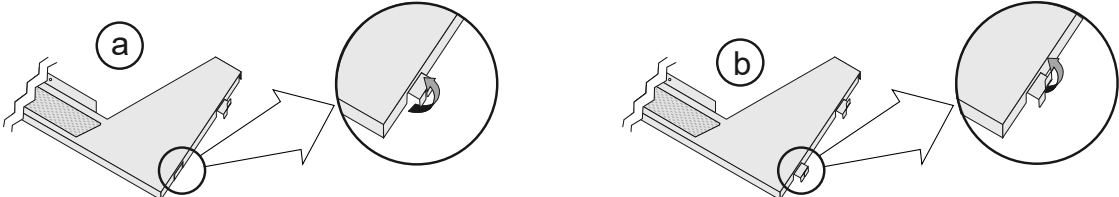
This fireplace may use existing 864 firebacks. However, the instructions included with the firebacks may not include the following caveats:

Remove the Media Tray Skirt and Air Deflector (replace once firebacks in place)



Remove the Exhaust Restrictor (replace once firebacks in place)



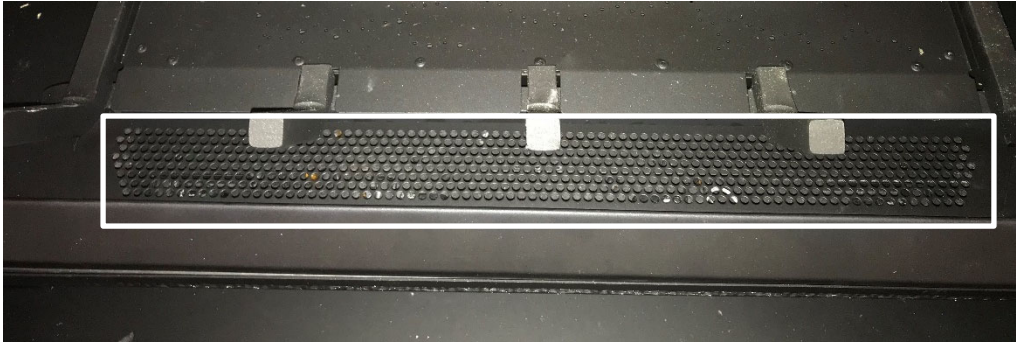
<p><u>ALL FIREBACKS</u> Discard the Floor Firebacks (if applicable). They are not used with this fireplace.</p>	
<p><u>GLASS FIREBACKS</u> Slide the Media Tray Covers Outwards. For all other firebacks, discard the media tray covers.</p>	
<p><u>Ledgestone Firebacks</u> Bend the tabs on the media tray out.</p>	<p><u>Ceramic Firebacks (except for Ledgestone):</u> The media tray is unchanged.</p> <p><u>Ledgestone Firebacks:</u> The (6) tabs (4 side , 2 rear) on the media tray must be bent out – see below. You will need to remove the media tray (2 screws hold it in place) to bend the tabs out.</p>  <p>Bend these tabs outwards (both sides).</p> <p>The side and back firebacks rest on top of these tabs.</p>
<p><u>Glass Firebacks</u> Bend the tabs on the media tray out. Bend the secondary tab straight up.</p>	<p><u>Glass Firebacks:</u> The (4) side tabs on the media tray must be bent out (do not bend out the rear tabs) – see below. You will need to remove the media tray (2 screws hold it in place) to bend the tabs out. Once the tabs are bend out 90°, you will see the outer edge of the tab is cut in half. Bend the rear portion of each tab <u>UP 180°</u> so that it is facing directly upward (see below).</p> 

46 Finalizing the Installation (for qualified installers only)

Ember bed Glass and Ember Material Installation

Ember bed Glass Installation

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



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



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

NOTE: If power is supplied to the fireplace it can helpful 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.



48 Finalizing the Installation (for qualified installers only)

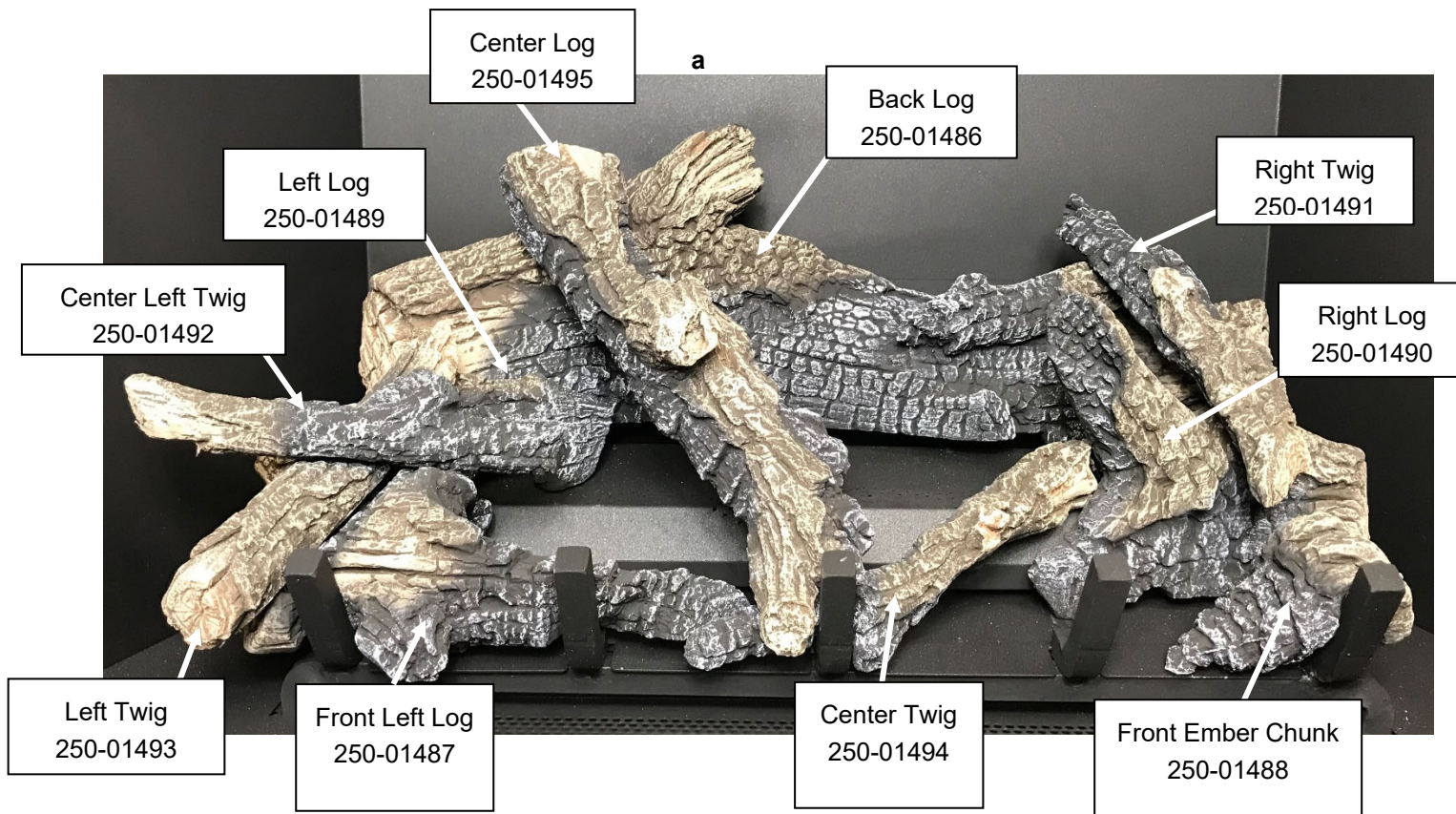
Classic Oak Log Set Installation (94500721)

NOTE: The fireplace will not ship with a log set – you will need to order the 94500721 log set w each fireplace:.

- If using propane (LP), convert the appliance before installing the log set. If using firebacks, install them prior to installing the log set.
- **The logs are fragile, especially after being exposed to heat.**
- Make sure the gas control valve is OFF and the heater is cool prior to conducting service.
- Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.
- The burner must be correctly positioned before installing the log set. Make sure the burner is fully seated and the pilot is properly aligned. See owner's manual for details on burner removal.

Log Set Overview – Classic Oak

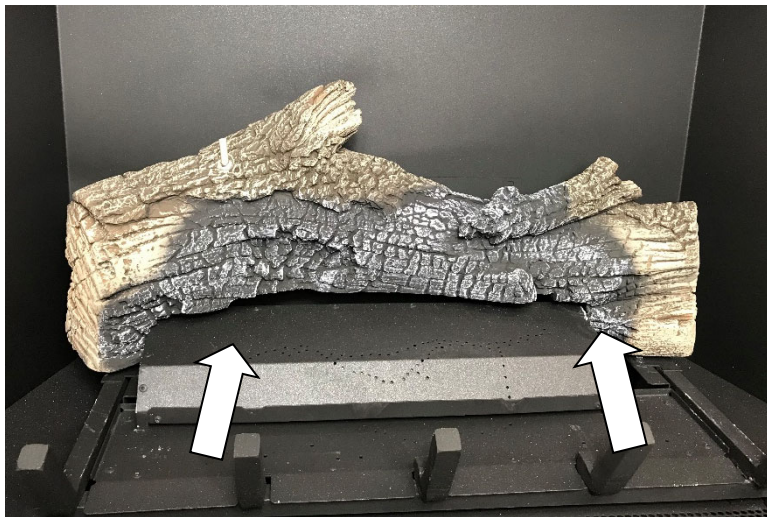
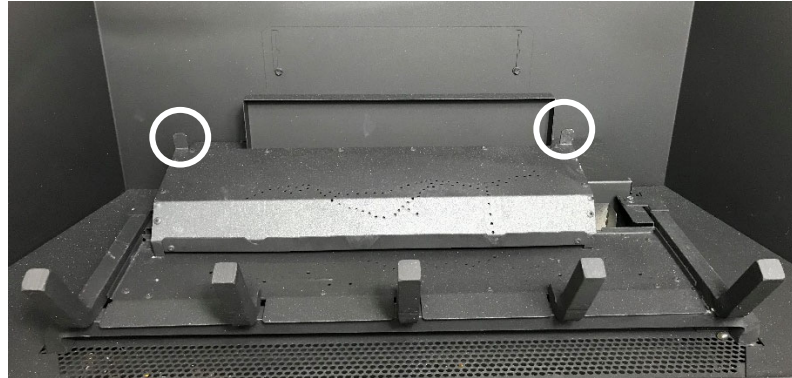
When installed, the ten (10) logs should appear as shown below.



Installation

Back Log

The back 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.



Right Log

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



50 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.



Left Log

The left log has a channel on the bottom. Place this channel over the grate. When in place, make sure the log is positioned so it does not block any burner holes.



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).



Front Ember Chunk

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



52 Finalizing the Installation (for qualified installers only)

Left Twig

The left twig has a hole on the bottom that fits over the 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 left center twig is flat on the bottom and has a fork at one end. Place the twig as shown below. Note how the twig rests in the groove in the front left log and the right end hangs over the burner but does not rest on it.



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 pin on the back log. Make sure the fork on the front of the log fits over the grate as shown below.



Right Twig

The right twig has a hole on the bottom that fits over the pin on the right log. Position the twig so it rests on the back log as shown below.



54 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 bed light, the embers are installed with the ember bed light glass.

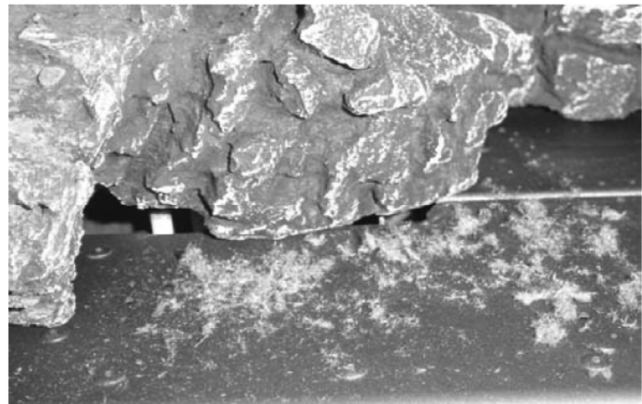
Embers are provided to further enhance the firebox. Place the embers on the firebox floor and on the burner. Do not place embers over any of the burner holes or air channels.



Rock Wool Placement

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

The included rock wool is placed on top of the burner to enhance the glow from the burner. **The rock wool works best when it is applied in a very thin, porous 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 43)
- 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.

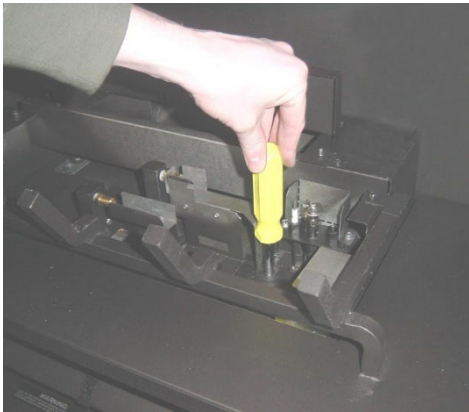


Lift the front burner, slide it to the right, and lift it from the firebox. When replacing the burner make sure it is properly located.



56 Finalizing the Installation (for qualified installers only)

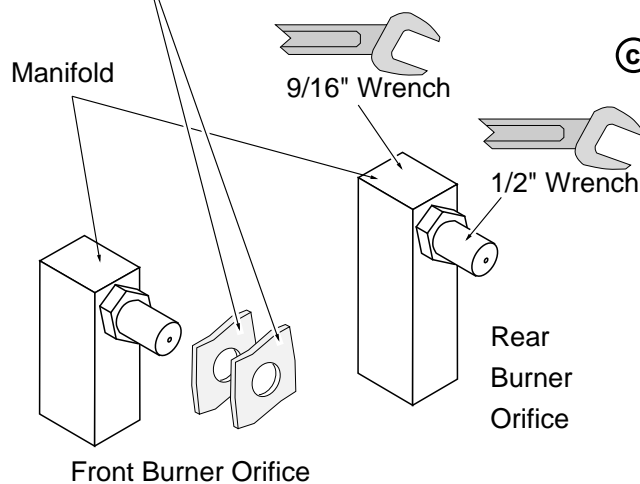
Remove the manifold cover and place it aside for reinstallation.



3 Follow the directions below to replace the orifice.

(a) Slide the air shutters to provide access to the orifices.

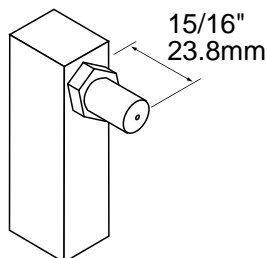
(b) Remove and discard the two gaskets on the front burner orifice.



(c) Use a 9/16" wrench to secure 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.

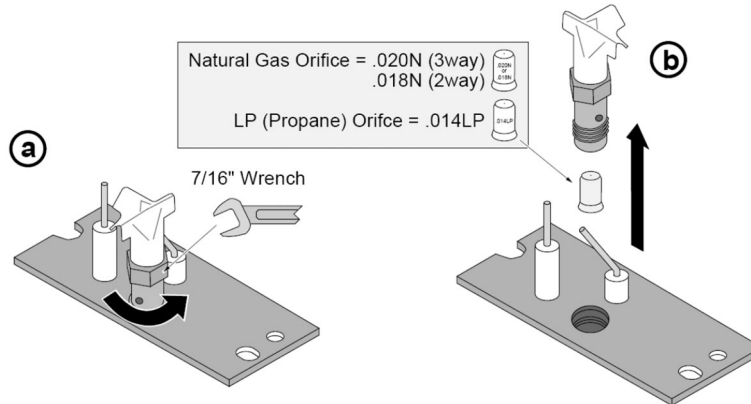
(e) Screw each LP orifice until orifice protrudes 15/16" (23.8mm) indicating full insertion (use wrench to secure manifold when re-attaching orifice).



Look here for the orifice identification

	NG	LP
Front	#49	#56
Rear	#49	#57

- 4 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).



- 5 Re-install the manifold cover (see photo below). Replace the firebox components. Install the logs and embers. Replace the glass.



- 6 Remove the control panel to access the gas control valve. 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.

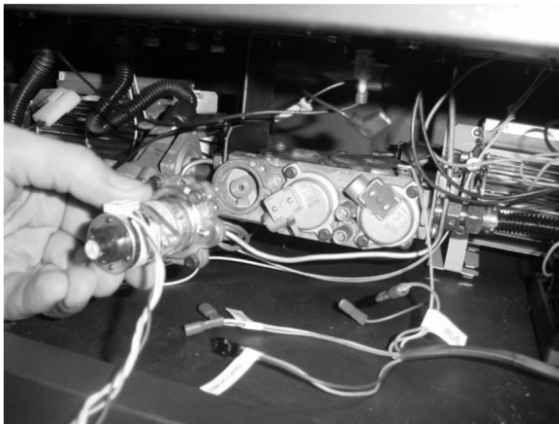


Figure 1

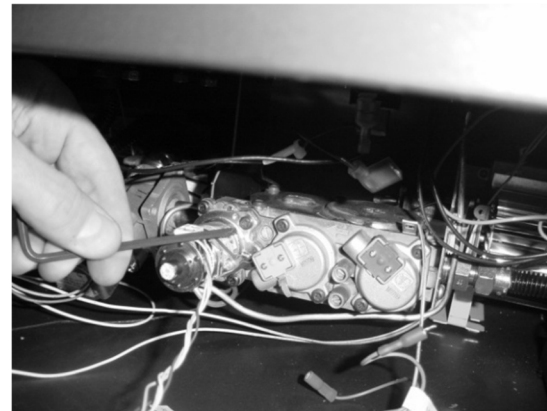


Figure 2

- 7 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.

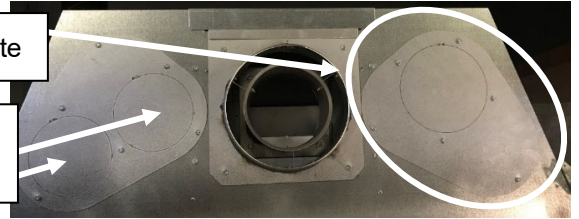
CoolSmart / Power Heat Duct Installation

Cover plates on top of the fireplace allow for a CoolSmart TV or Power Heat Duct kit to be installed on this fireplace. See the instructions below for details.

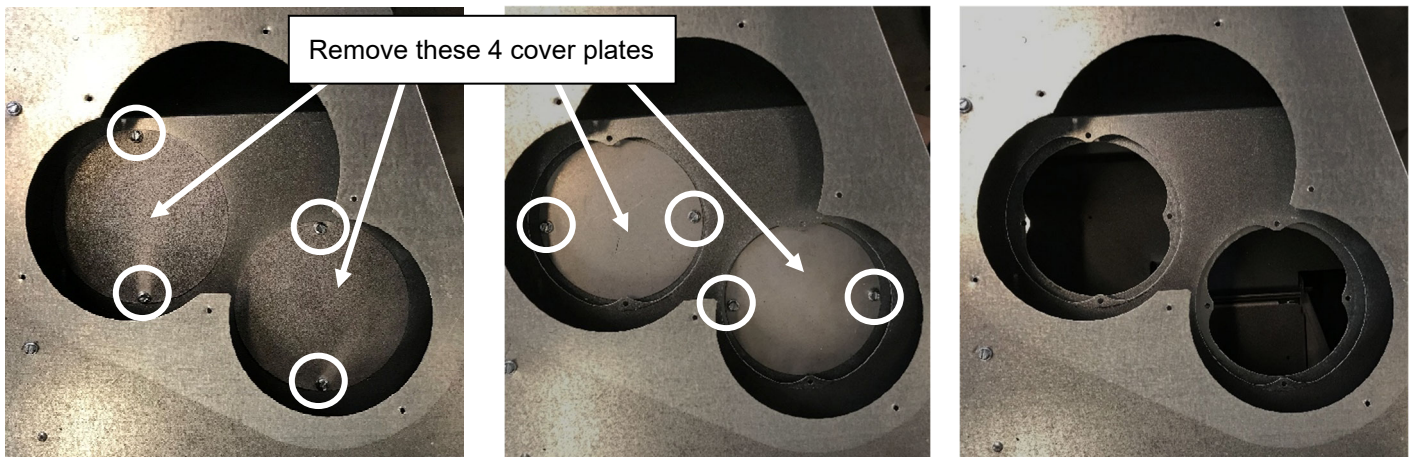
Power Heat Duct

Remove this top cover plate

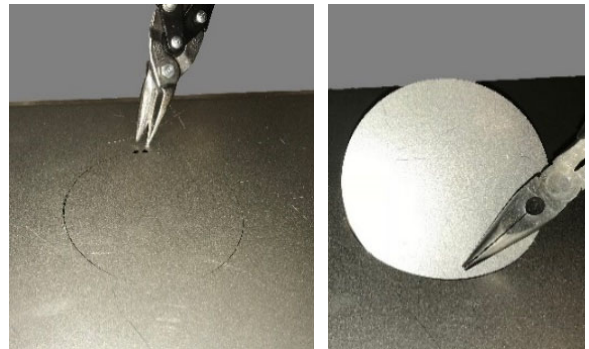
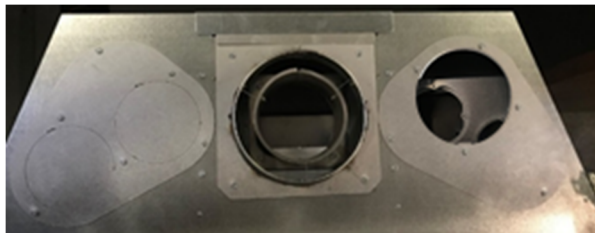
DO NOT remove the two knockouts on the left side of the fireplace. These knockouts are used for the CoolSmart TV installation ONLY.



Remove the 2 pairs of cover plates below the top cover plate (2 screws hold each plate in place). **DISCARD THE 4 COVER PLATES.** Once all of the cover plates are removed the fireplace should look like the illustration below to the right.

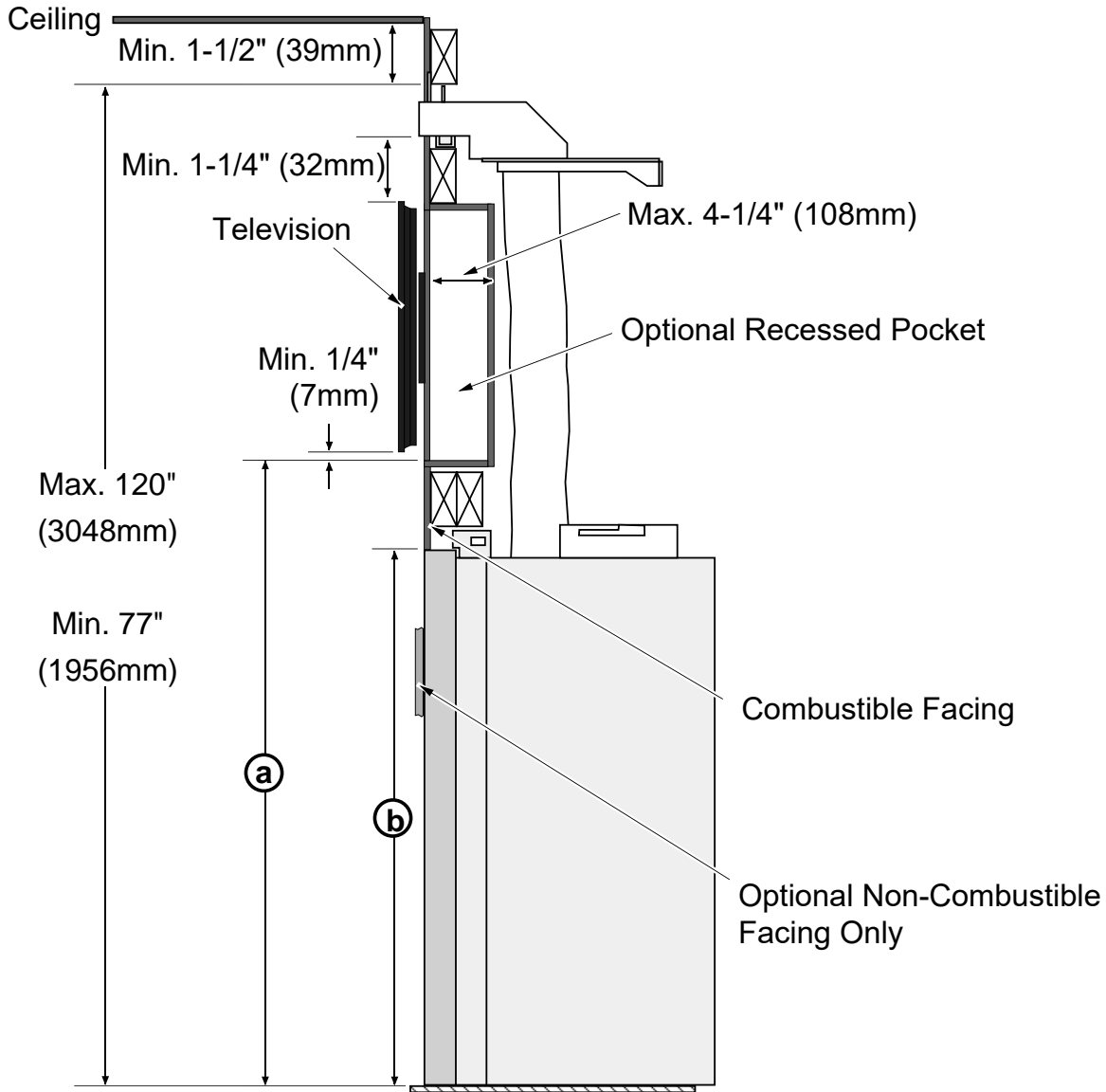


- Re-install the top cover plate (with 6" knock out) and secure it with the screws removed earlier.
- Use snips to cut the tab on the knockout located on the top cover plate. Press on the far side of the tab to pop the edge of the knockout up. Grab on to the knockout with pliers and bend it back and forth until the remaining tabs break free. Discard the knockout. The flexible duct will attach to this location (see picture below and instructions included with the power heat duct).

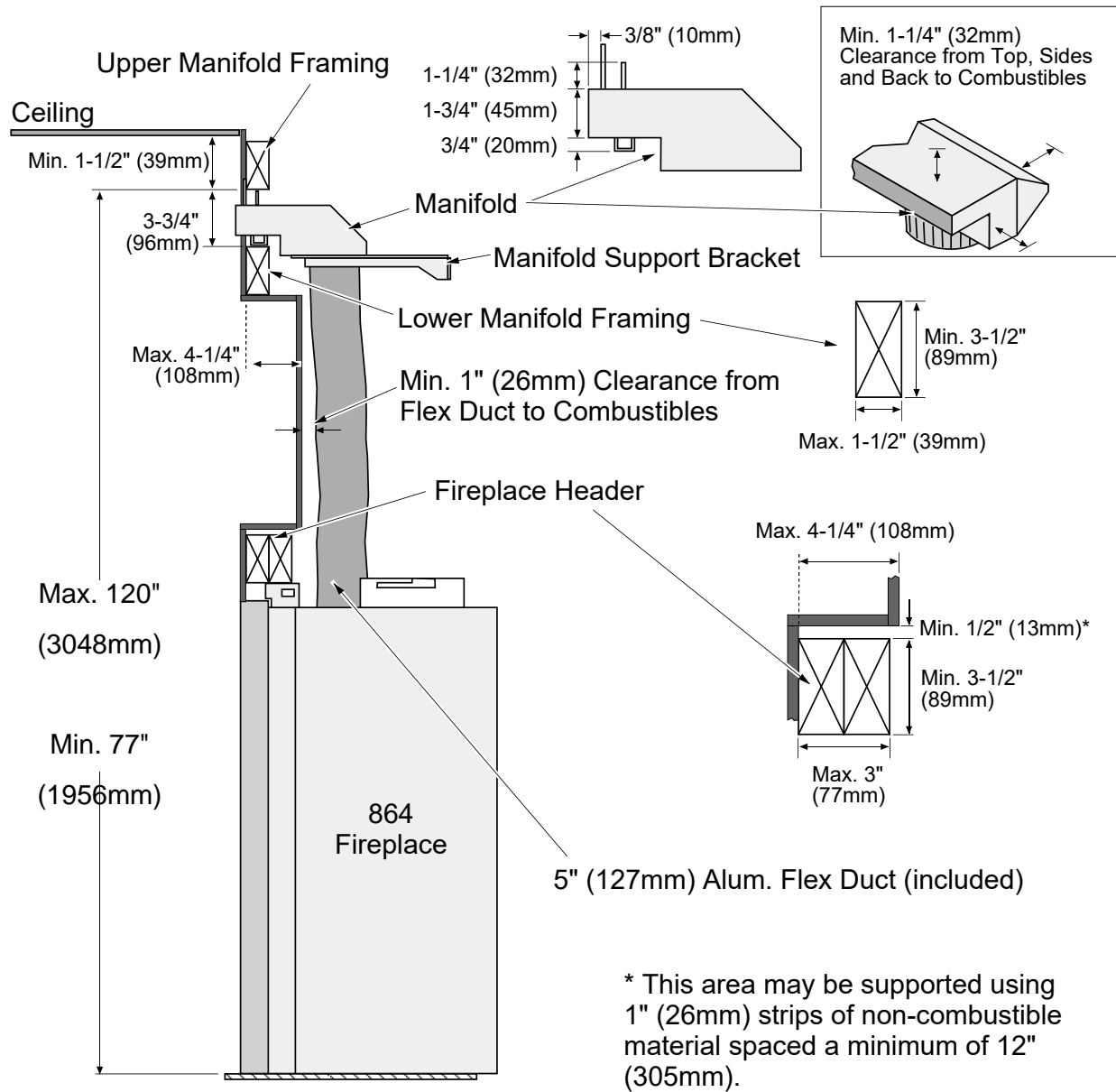


CoolSmart TV – Installation Overview (Optional)

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 standard framing dimensions and follow the framing instructions for the CoolSmart kit.



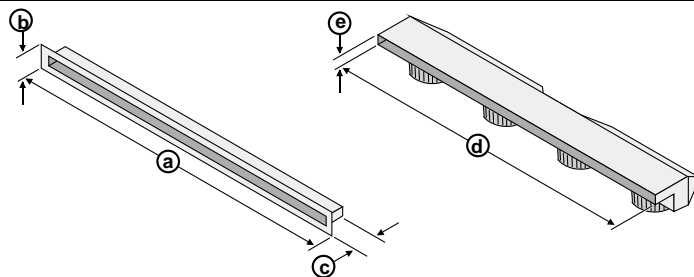
	864 (31K,40K)	864 CleanFace (31K,40K)
a	42-3/4" (1086mm)	49-1/4" (1251mm)
b	36-3/4" (934mm)	39-1/4" (997mm)

CoolSmart TV - Installation Requirements**Grill and Manifold Dimensions**

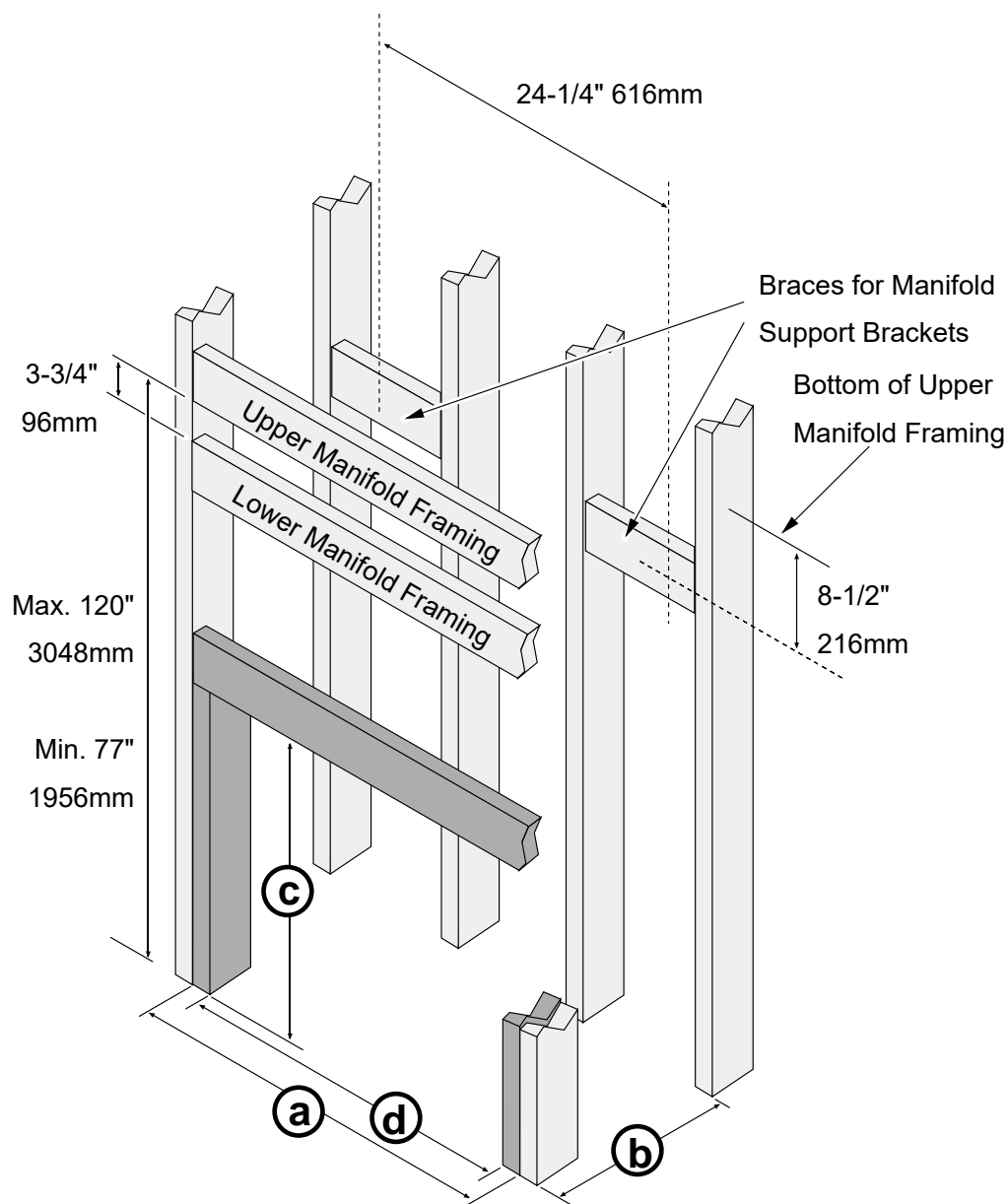
The grill may be installed over the facing to provide an aesthetic opening for the convection outlet. (2) 8-32 x 1-1/2" screws attach the trim to the upper manifold. This allows variable thickness of finish material.

Dimensions

a	b	c	d	e
42" (1067mm)	2-7/8" (74mm)	1-1/4" (32mm)	41" (1042mm)	1-3/4" (45mm)



CoolSmart TV - Framing the Chase

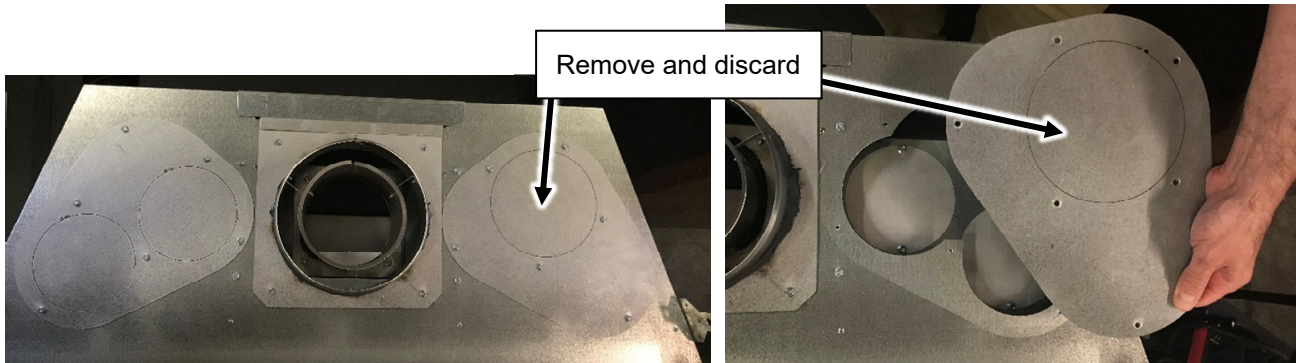


	864 (31K,40K)	864 CleanFace (31K,40K)
a	43-1/2" (1105mm)	43-1/2" (1105mm)
b	20-3/4" (528mm)	22-1/2" (572mm)
c	38-1/2" (978mm)*	45" (1143mm)*
d	41-1/4" (1048mm)*	43" (1093mm)*

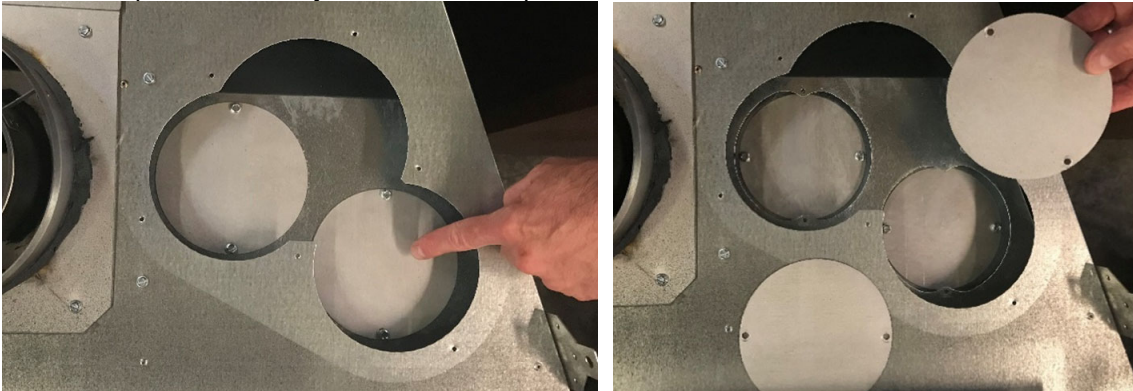
* The dark-shaded framing is installed after the manifold is installed. It is used to secure the nailing brackets on the fireplace to the framing. It also provides support for the facing above the fireplace. This framing is not required in some cases (you may use other methods to secure the nailing brackets and facing).

CoolSmart TV - Fireplace Preparation

1. Remove the right cover plate (with the single knockout) from the top of the fireplace and discard it.



2. Remove the (4) screws that secure the two circular cover plates on the next layer of the fireplace. Carefully remove the two plates.

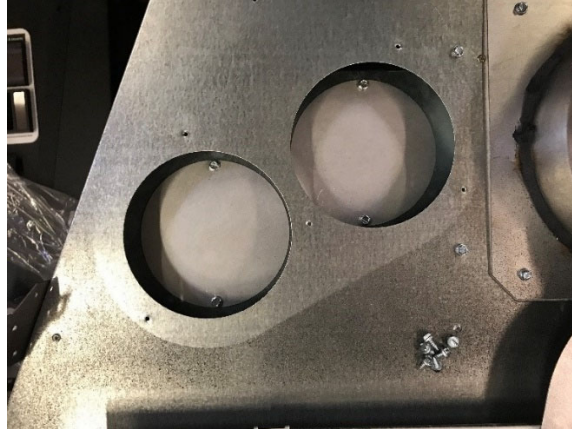


3. Repeat the previous step on the plates on the next layer. You may discard all (4) circular cover plates.

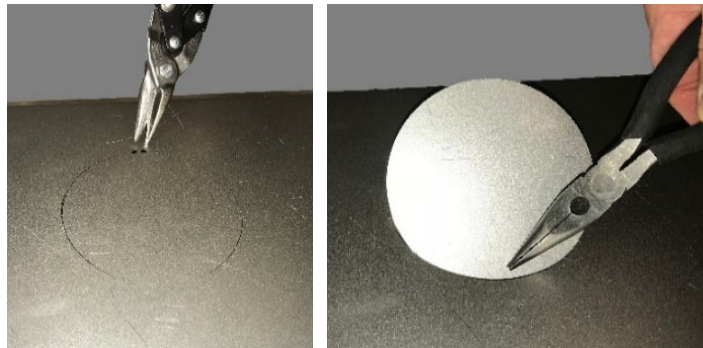


4. Remove the left, top layer, cover plate. Turn it over and then reinstall it in place of the right cover plate removed in step 1. Replace all screws so there are no holes left in the top of the fireplace.

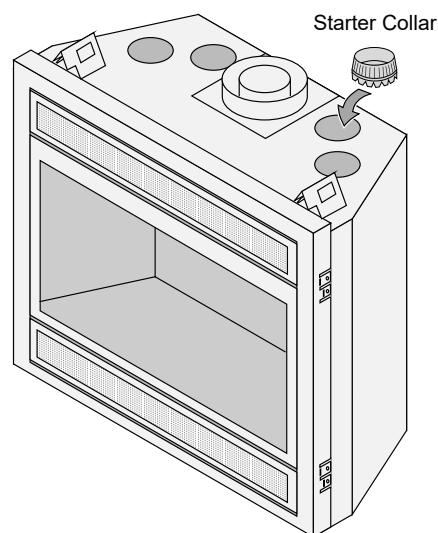
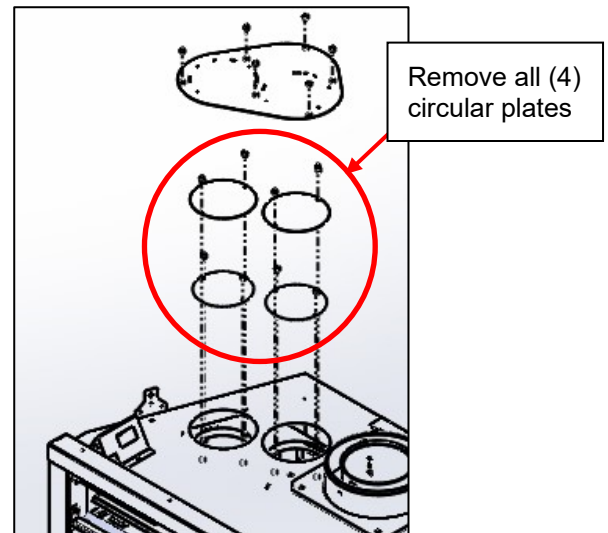
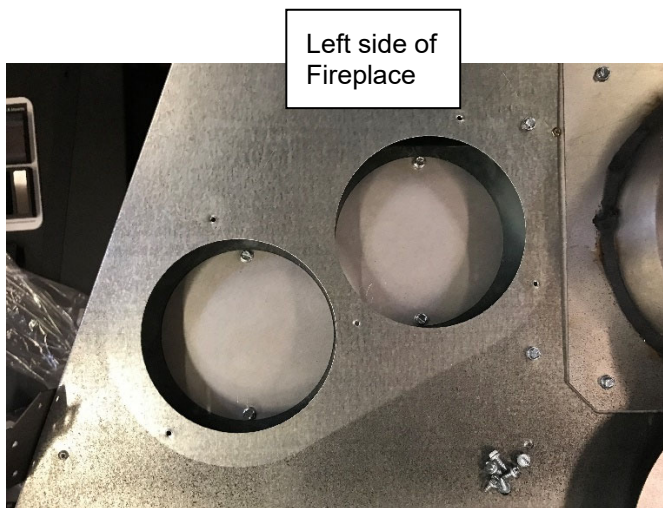
NOTE: Removal of the left cover plate will expose two 5" holes in the top surface of the fireplace.



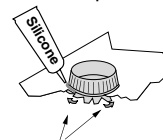
5. Use snips or diagonal cutters to snip the tab on the 2 knockouts located on the cover plate (relocated to the right side in the previous step). Press on the far side away from the tap to pop the edge of the knockout up. Grab on to the knockout with pliers and bend it back and forth until the remaining tabs break free. Repeat this step with the second knockout on the cover plate. Discard the knockouts.



6. Remove the (4) circular cover plates from the left side of the fireplace in the same manner described above. Discard the plates.



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.

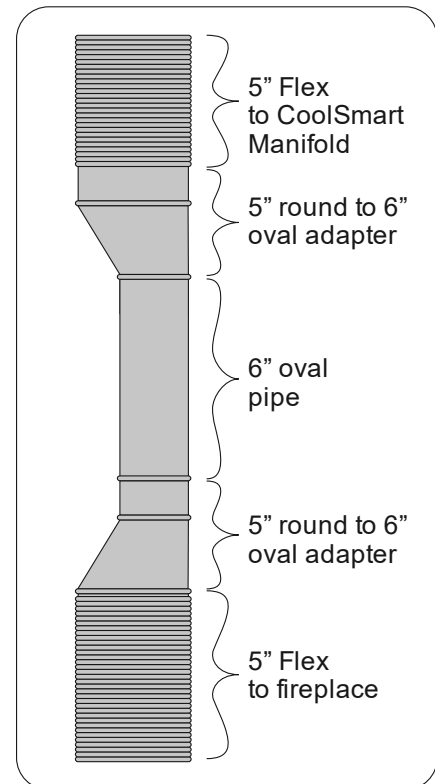
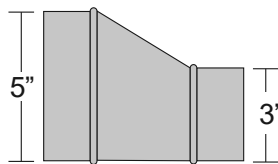
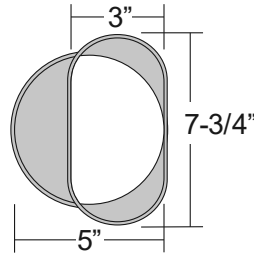
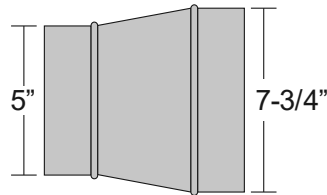
7. Insert a starter collar into each of the holes that were uncovered in the previous step and bend the tabs to secure the starter collar to the fireplace.. Seal the joints with silicone caulk or aluminum (U.L. 181A-P) tape
8. Install the fireplace into the framed chase. See section "Installation" in the manual.

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.

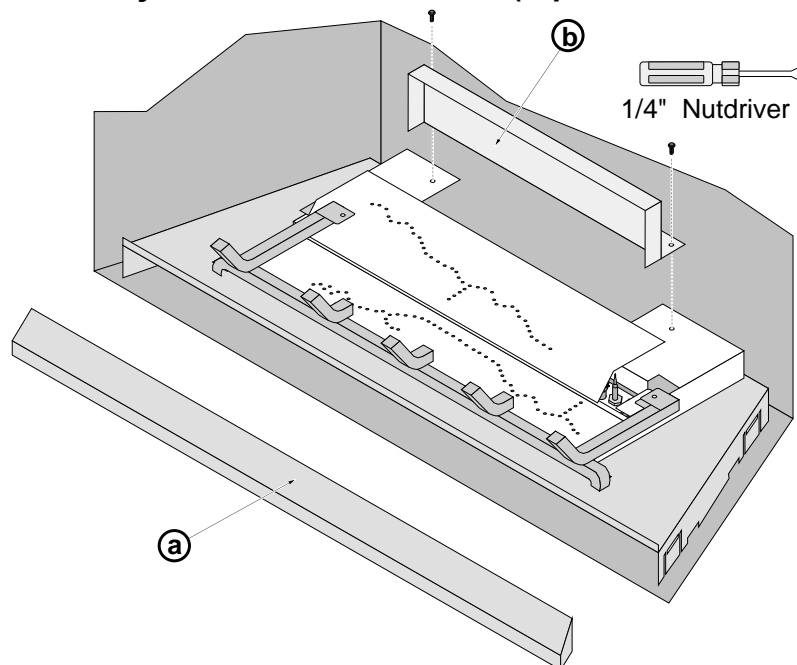
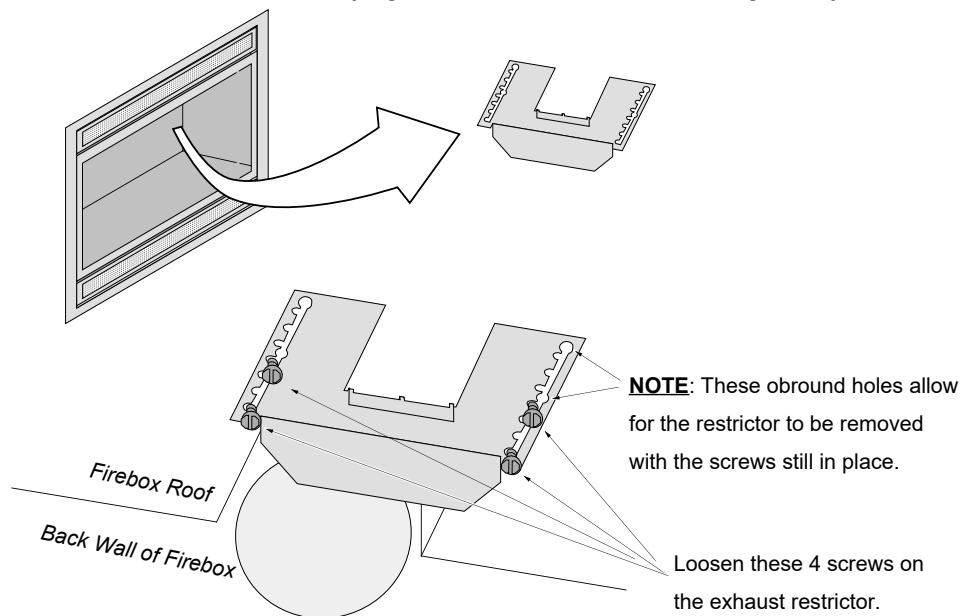
NOTE: All clearances to combustibles must be maintained.

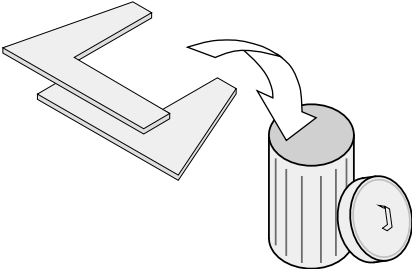
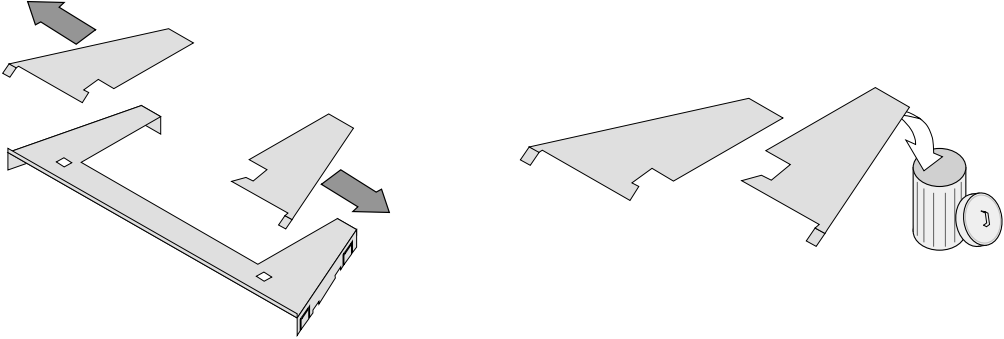
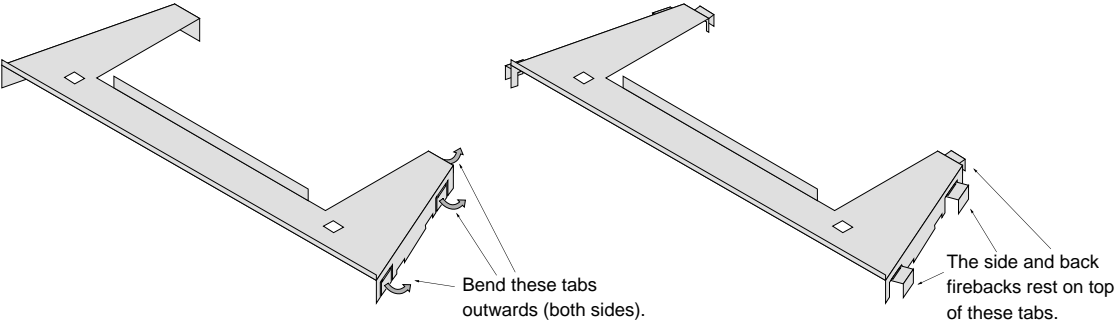
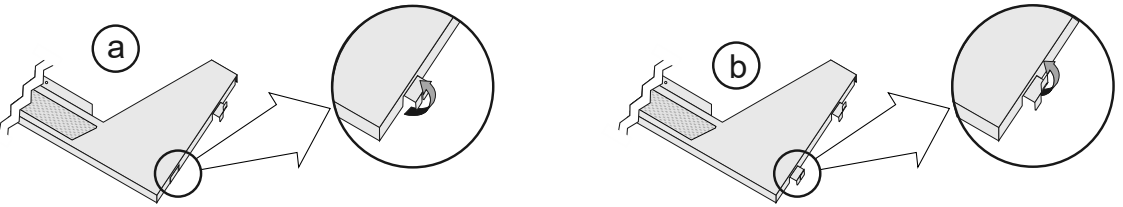
**CoolSmart TV – Mantel Clearances**

Abide by the mantel clearances in "Mantel Requirements" section of this manual (see page **Error!** **Bookmark not defined.**).

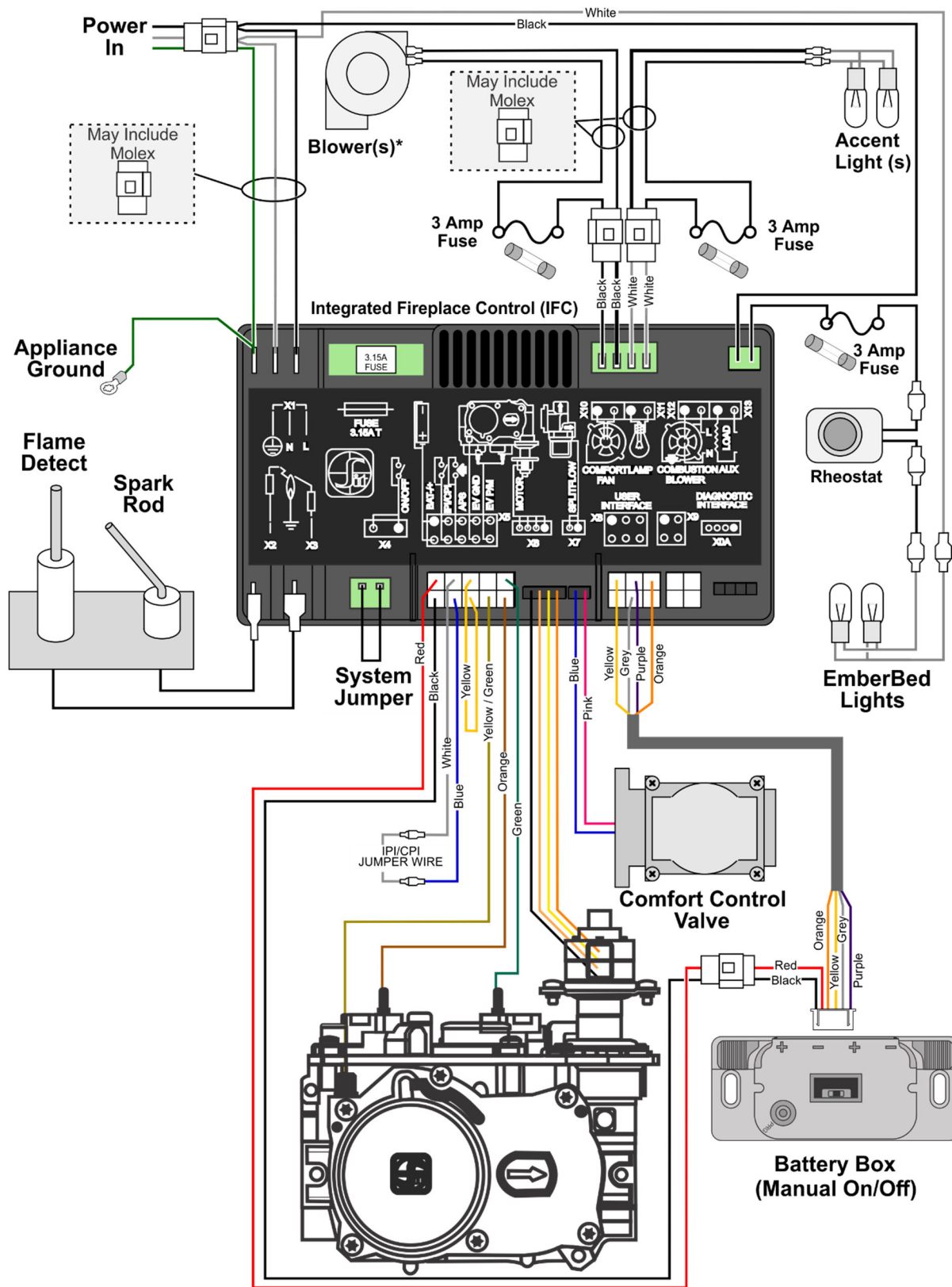
Special Instructions for Fireback Installation -

This fireplace may use existing 864 firebacks. However, the instructions included with the firebacks may not include the following caveats:

Remove the Media Tray Skirt and Air Deflector (replace once firebacks in place)**Remove the Exhaust Restrictor (replace once firebacks in place)**

<p><u>ALL FIREBACKS</u></p> <p>Discard the Floor Firebacks (if applicable). They are not used with this fireplace.</p>	
<p><u>GLASS FIREBACKS</u></p> <p>Slide the Media Tray Covers Outwards. For all other firebacks, discard the media tray covers.</p>	
<p><u>Ledgestone Firebacks</u></p> <p>Bend the tabs on the media tray out.</p>	<p><u>Ceramic Firebacks (except for Ledgestone):</u> The media tray is unchanged.</p> <p><u>Ledgestone Firebacks:</u> The (6) tabs (4 side, 2 rear) on the media tray must be bent out – see below. You will need to remove the media tray (2 screws hold it in place) to bend the tabs out.</p> 
<p><u>Glass Firebacks</u></p> <p>Bend the tabs on the media tray out. Bend the secondary tab straight up.</p>	<p><u>Glass Firebacks:</u> The (4) side tabs on the media tray must be bent out (do not bend out the rear tabs) – see below. You will need to remove the media tray (2 screws hold it in place) to bend the tabs out. Once the tabs are bent out 90°, you will see the outer edge of the tab is cut in half. Bend the rear portion of each tab <u>UP 180°</u> so that it is facing directly upward (see below).</p> 

Wiring Diagram



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