

NorthField GSR2 Deluxe

Owner's Manual

⚠ WARNING: FIRE OR EXPLOSION HAZARD
Failure to follow safety warnings exactly could result in serious injury, death, or property damage.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **WHAT TO DO IF YOU SMELL GAS**
  - Do not try to light any appliance.
  - Do not touch any electrical switch; do not use any phone in your building.
  - Leave the building immediately
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.



HOT GLASS WILL CAUSE BURNS

DO NOT TOUCH GLASS UNTIL COOLED

NEVER ALLOW CHILDREN TO TOUCH GLASS

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

Tested and Listed by

Intertek

ANSI Z21.88-2014
CSA 2.33-2014

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

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

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

INSTALLER: Leave this manual with the appliance.
CONSUMER: Retain this manual for future reference.

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Introduction

Introduction

We welcome you as a new owner of a Lopi Northfield GSR2 stove. In purchasing a Northfield you have joined the growing ranks of concerned individuals whose selection of an energy system reflects both a concern for the environment and aesthetics. The Northfield is one of the finest home heaters the world over. This manual will explain the installation, operation, and maintenance of this stove. Please familiarize yourself with the Owner's Manual before operating your heater and save the manual for future reference. Included are helpful hints and suggestions that will make the operation and maintenance of your new stove an easier and more enjoyable experience. We offer our continual support and guidance to help you achieve the maximum benefit and enjoyment from your heater.

Important Information

No other Northfield Stove has the same serial number as yours. The serial number is on the listing plate chained to the gas control valve.

This serial number will be needed in case you require service of any type.

Model: Lopi Northfield GSR2

Serial Number: _____

Purchase Date: _____

Purchased From: _____

Mail your Warranty Card Today, and Save Your Bill of Sale.

To receive full warranty coverage, you will need to show evidence of the date you purchased your heater. Do not mail your Bill of Sale to us.

We suggest that you attach your Bill of Sale to this page so that you will have all the information you need in one place should the need for service or information occur.

Listing Details

This appliance was listed by Intertek to ANSI Z21.88. The listing label is attached to the appliance near the gas control valve.

IAS (ICBO) Approval

This appliance was listed by Intertek Test Labs, an IAS recognized lab.

Massachusetts Approval

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

National Fireplace Institute

NATIONAL FIREPLACE INSTITUTE NFI CERTIFIED www.nficertified.org

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

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Safety Precautions

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

Safety Warnings (continued)

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

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

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

6 Specifications

Features:

- Ember Fyre™ Burner for "Wood Fire" Look
- Works During Power Outages (battery backup system)
- High Efficiency
- Remote Control with Thermostat
- Includes Decorative Fireback
- Includes High-Tech Blower for Heat Distribution
- Convenient Operating Controls
- Variable-Rate Heat Output
- Accent Light

Installation Options:

- Freestanding Stove
- Horizontal or Vertical Vent
- Residential or Mobile Home
- Straight or Corner Placement
- Bedroom Approved

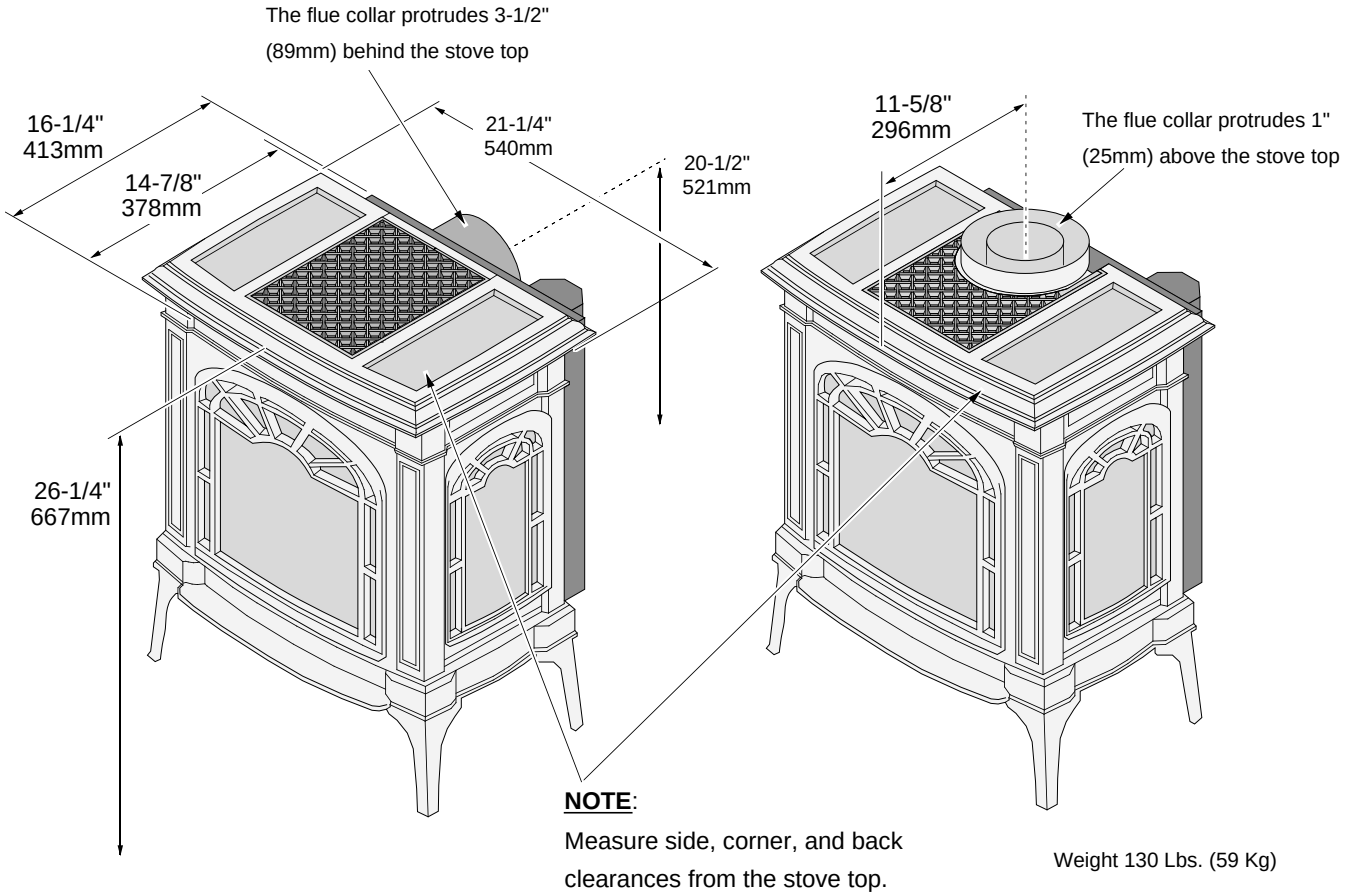
Heating Specifications

Approximate Heating Capacity (in square feet)* .....500 to 850

Maximum Input (in BTUs) 22,000

- Heating capacity will vary depending on the home's floor plan, degree of insulation, and the outside temperature.

Dimensions & Weight



Electrical Specifications

Electrical Rating .....120 Volts, 1.5 Amps, 60 Hz (180 watt)

Fuel

This heater is shipped in natural gas (NG) configuration but may be converted to propane (LP) using the included LP conversion kit. The sticker on top of the gas control valve will verify the correct fuel.

Installation Warnings

- **Failure to follow all of the requirements may result in property damage, bodily injury, or even death.**
- **This heater must be installed by a qualified installer who has gone through a training program for the installation of direct vent gas appliances.**
- **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 B-149.**
- **In Manufactured or Mobile Homes must conform with: In USA, Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280; In Canada, CSA Z240.4 and Gas-Equipped Recreational Vehicles and Mobile Housing. This appliance may be installed in Manufactured Housing only after the home is site located.**
- **This stove is designed to operate on natural gas or propane (LP).**
- **All exhaust gases must be vented outside the structure of the living area. Combustion air is drawn from outside the living area structure.**
- **Notify your insurance company before hooking up this stove.**
- **The requirements listed below are divided into sections. All requirements must be met simultaneously. The order of installation is not rigid – the qualified installer should follow the procedure best suited for the installation.**

Installation (for qualified installers only)

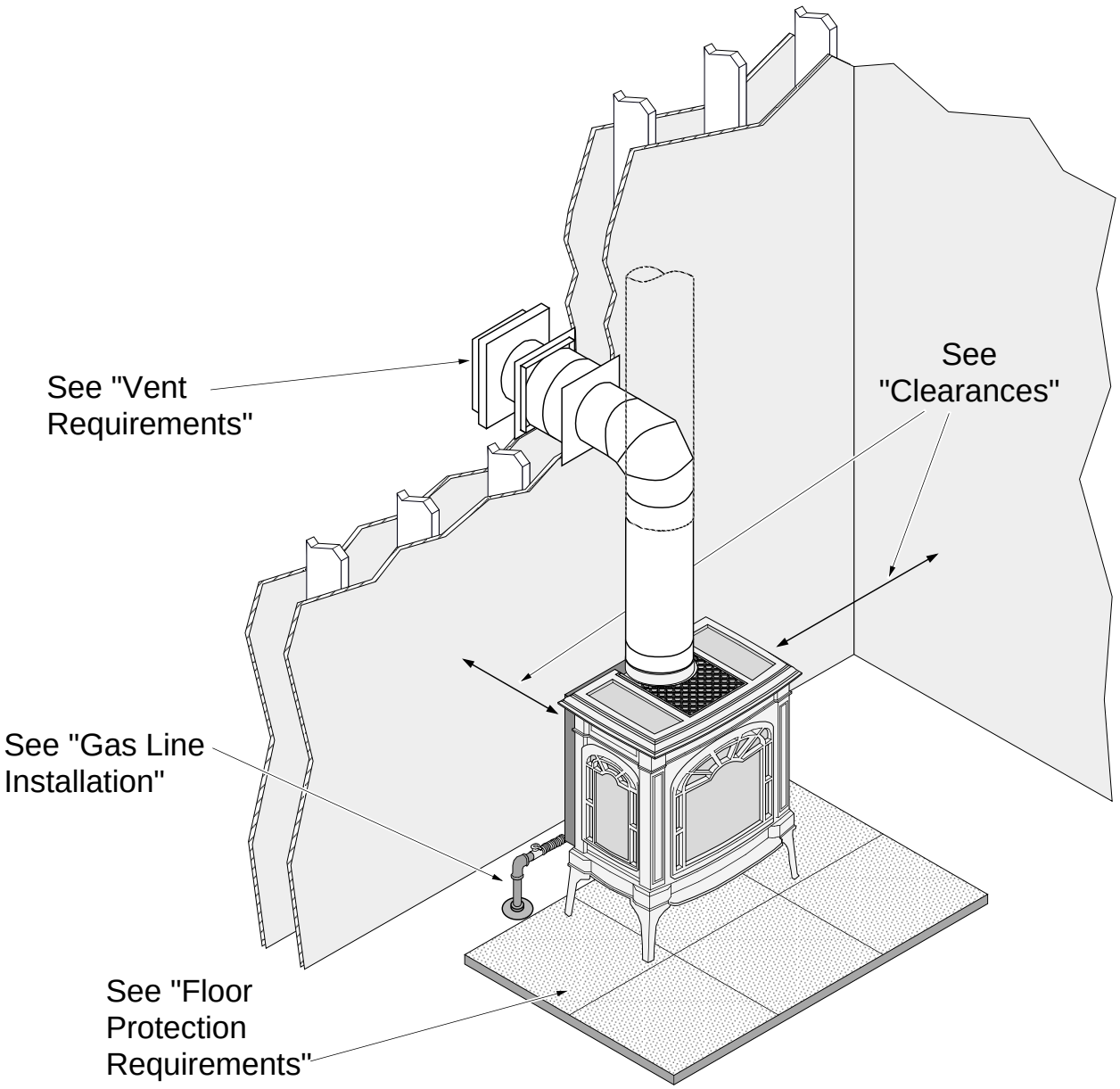
Packing List

- Remote Control
- Propane Conversion Kit
- Log Set
- Rear Vent Flue Cover
- Intake Damper Plates (2)
- Exhaust Restrictor Extender Plate

Additional Items Required

- Vent (see “Venting Requirements” for details)
- Gas Line Equipment (shutoff valve, pipe, etc.)
- LP Units Require GSR Stepper Motor
  (4-pack = 94400999, single = 250-01463)

Installation Overview



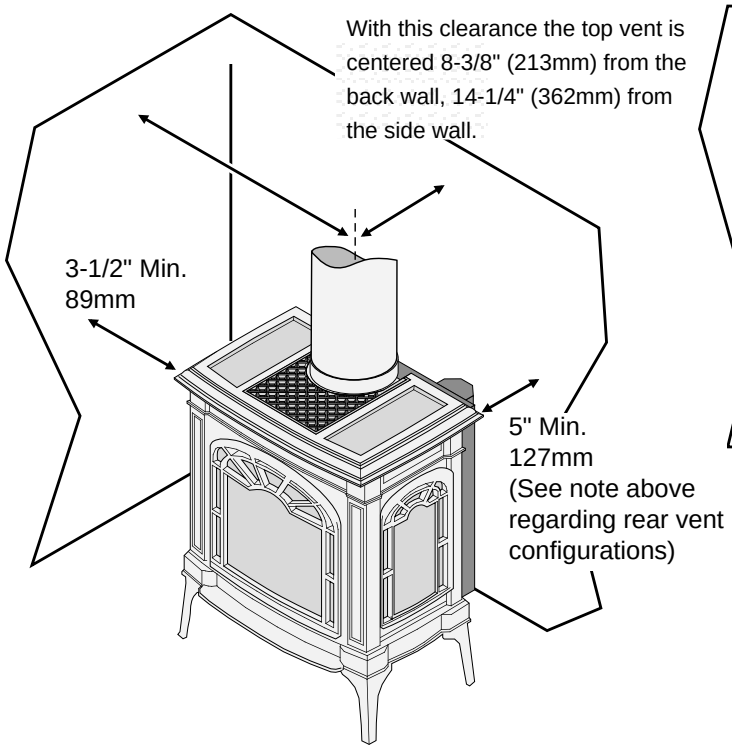
Installation Hints

- If converting to LP, convert the appliance prior to installation.
- Install the logs last - they are fragile.
- When determining the location of the stove, locate the wall studs (for horizontal penetrations) and ceiling trusses (for vertical penetrations). You may wish to adjust the stove position slightly to ensure the vent does not intersect with a framing member.
- Fumes and smoke from the paint curing and oil burning off the steel may occur the first time you start this heater. This is normal. We recommend you open windows to vent the room.

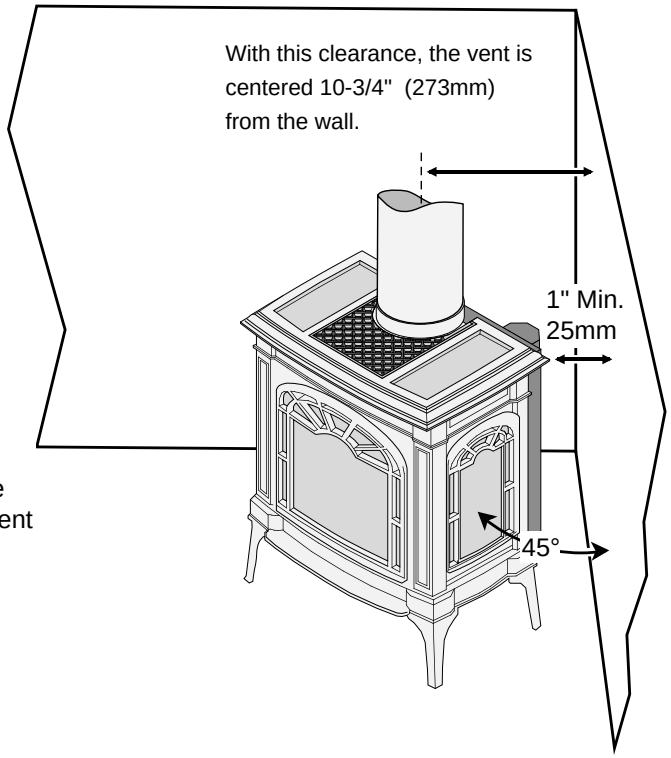
Stove Clearances

NOTE: If using the rear vent configuration, you will require approximately 8-1/2" to the rear of the stove for the vent adapter and thimble. See page 17 for details.

Straight Installations



Corner Installations



Mobile Home Requirements

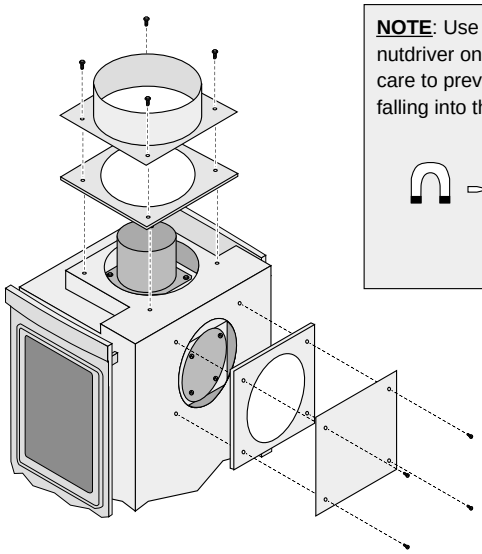
- When the stove is installed in a mobile home, it must be bolted to the floor and the appliance grounded (use the optional blower with a grounded circuit or other suitable grounding method - current ANSI/NFPA 70 or CSA C22.1).

Top to Rear Vent Modification

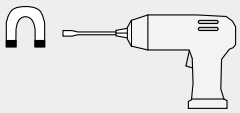
NOTE: If using the rear vent configuration, make sure to review vent configuration before proceeding.

Remove the cast iron stove top and flue cover to access the vent components (see page 28)

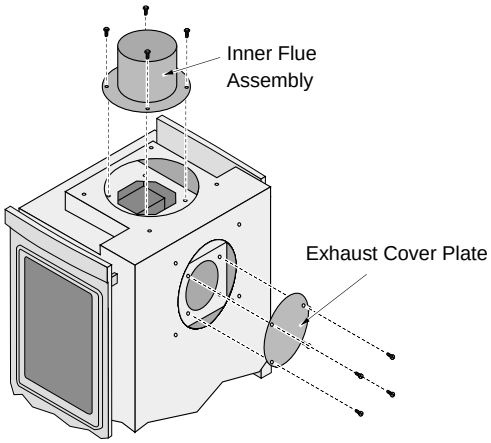
Remove the outer flue assembly, cover plate, and gaskets. Place the screws and components aside (for all subsequent steps).



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

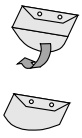


Remove the inner flue assembly and exhaust cover plate.

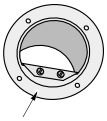


ADJUSTING THE DIFFUSER ON THE INNER FLUE ASSEMBLY

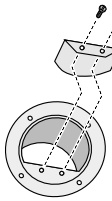
Rear vent configurations with no rise require the diffuser to be bent to the # 2 position. It is easiest to adjust this component with the inner flue removed. See the directions below.



ⓑ Bend the round portion of the diffuser so it is bent (position # 2).



Bottom of inner flue assembly



ⓐ Remove the diffuser.

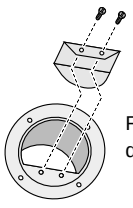
DIFFUSER SIDE VIEW

Before (Stock - Position # 1)



After (Position # 2)

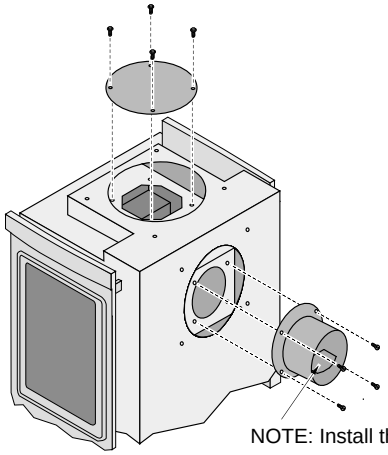




ⓒ Replace the diffuser.

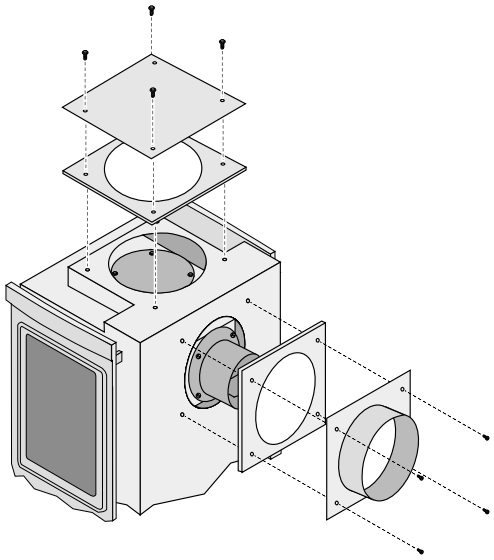
Top to Rear Vent Modification (continued)

Install the inner flue assembly and exhaust cover plate. Make sure the attached gaskets are in place and form an air-tight seal.

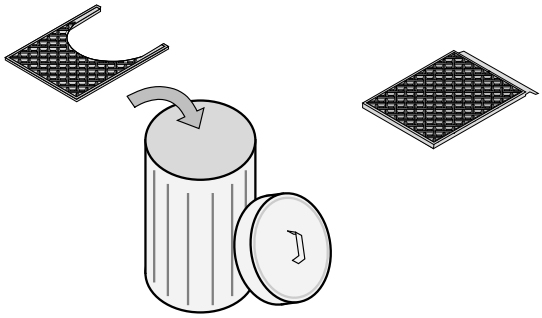


NOTE: Install the flue assembly with the diffuser to the bottom.

Install the outer flue assembly, cover plate, and gaskets. Make sure the gaskets are correctly positioned and form an air-tight seal.



The flue cover with a cutout may be discarded. Use the flue cover designed for rear vent applications.



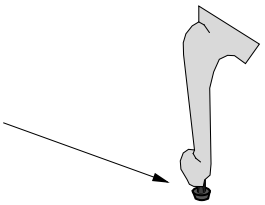
Heater Placement Requirements

- Heater must be installed on a level surface capable of supporting the heater and vent
- Due to the high temperature, the heater should be located out of traffic and away from furniture and draperies.
- When placed in a location where the floor to ceiling height is under 7 feet, the installation is considered an alcove and must meet the following requirements:
  - The alcove floor to ceiling height must be at least 38-1/8" (968mm) tall
  - The alcove must not be more than 24" (610mm) deep before the ceiling returns to 7' (2134mm)
  - The alcove must be at least 28-1/4" (718mm) wide
- The heater must not be placed so the vents below or above the door, along the sides of heater, or along the back of the heater can become blocked.
- This heater may be placed in a bedroom. Please be aware of the large amount of heat this appliance produces when determining a location.

Floor Protection Requirements

- When the stove is installed directly on carpeting, vinyl or other combustible material other than wood flooring or a high pressure laminate wood floor, the stove must be installed on a non-combustible or wood protection panel extending the full width and depth of the heater (minimum 21-1/4" wide by 15-7/8" deep).

Make sure these rubber tipped bolts on each leg contact the floor (they dampen any noise that may transmit through the hearth). Do not adjust with weight on the legs, the rubber tips may tear.

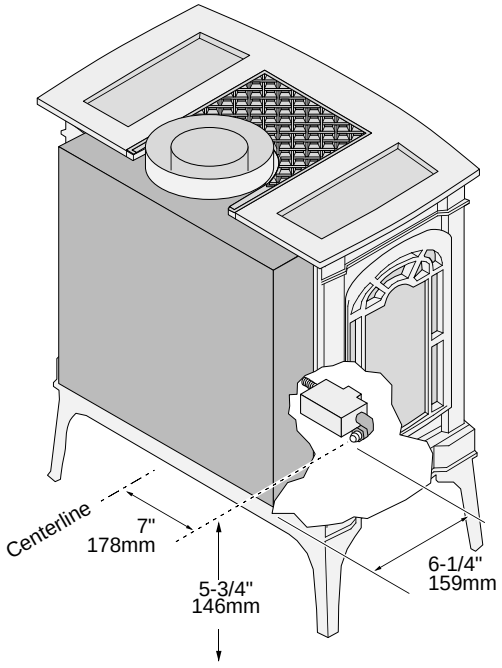


Electrical Requirements

- Plug the stove into a grounded receptacle supplying a minimum 1.5 amps (120 Volts, 60 Hz, 180 watts).

Gas Line Installation

- **!** The gas line must be installed in accordance with all local codes, if any; if not, follow current ANSI Z223.1 or NFPA 54 in the USA and the current CGA B149 in Canada.
- **!** The heater 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 (3.45 kPA). For pressures under 1/2 psig (3.45 kPA), isolate the gas supply piping by closing the manual shutoff valve.
- This heater is designed for natural gas but can be converted to propane. Check the sticker on top of the gas control valve to verify the correct fuel is used (see page 4).
- Leak test all gas line joints and the gas control valve prior to and after starting the heater.
- The location of the gas inlet is shown below
- A manual shutoff valve is required for installation (it must be located within 3' of the heater). T-Handle gas cocks are required in Massachusetts in compliance with code 248CMR.
- This stove is shipped with a 16" long, 3/8" diameter flex gas line attached to an elbow on the gas control valve (see illustration below for location). The flex accepts a 3/8" flare fitting.



Gas Inlet Pressure

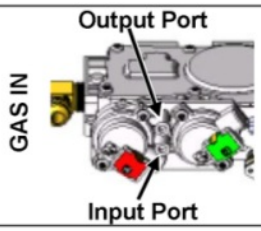
Gas Pressure	Max. Input Pressure	Min. Input Pressure	Max. Manifold Pressure	Min. Manifold Pressure
Natural Gas	7" W.C. (1.74 kPA)	5.5" W.C. (1.37 kPA)	3.5" W.C. (0.87 kPA)	1.6" W.C. (0.40 kPA)
Propane	13" W.C. (3.23 kPA)	11" W.C. (2.74 kPA)	11" W.C. (2.74 kPA)	2.9" W.C. (0.72 kPA)

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

Directions for Connecting a Gas Pressure Test Gauge

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

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



Vent Requirements

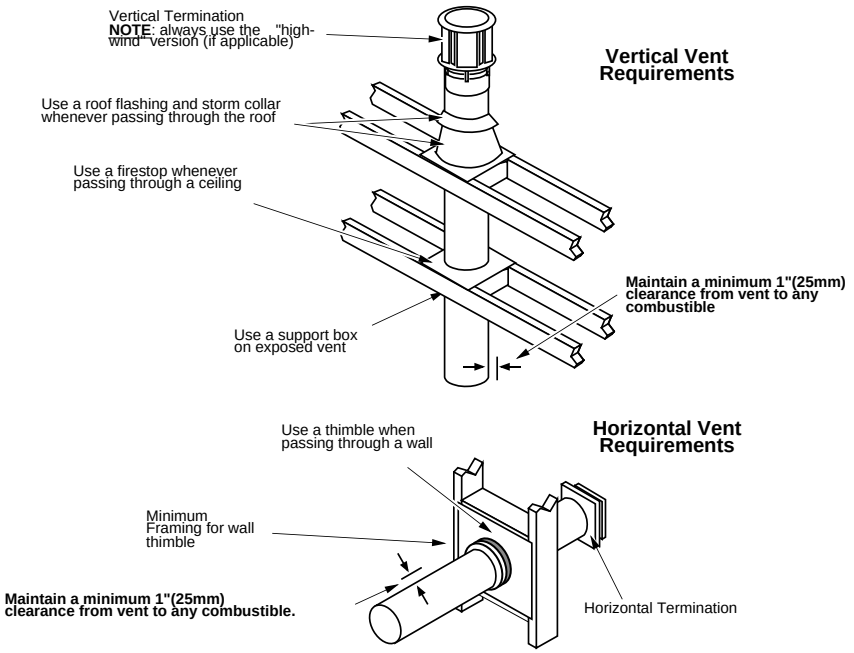
- The gas appliance and vent system must be vented directly to the outside of the building, and never be attached to a chimney serving a separate solid fuel or gas-burning appliance. Each direct vent gas appliance must use its own separate vent system.
- In addition to the requirements listed here, follow the requirements provided with the vent.
- When the vent passes through a wall a wall thimble is required. When the vent passes through a ceiling a support box or firestop is required. When the vent passes through the roof, a roof flashing and storm collar are required. Follow the instructions provided with the vent for installing these items. NOTE: Wall thimbles may have different dimensions than what is required by this heater.
- The vent must maintain the required 1" clearance to combustible materials to prevent a fire. Do not fill air spaces with insulation.

Altitude Considerations

- 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.
- This heater has been tested at altitudes ranging from sea level to 6,000 feet (1,800 M). In this testing we have found that the heater, with its standard orifice, burns correctly with just an air shutter adjustment.

Approved Caps

- Always use the high-wind cap (**the sconce cap is not approved for this stove**).

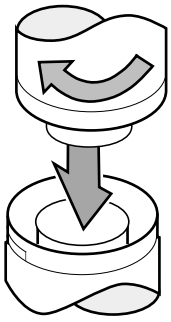


Approved Vent

- Use Simpson Dura-Vent Direct-Vent Pro (or GS)*.
  * Other vent may be approved with this stove. Check with the vent manufacturer for details.
- Vent Diameter is determined by vent configuration. Rear vent configurations with no rise use 8" (203mm) diameter vent, all other vent configurations use 6-5/8" (168mm). See Approved Vent Configurations on page 15 for details.
- 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" rise every 12" of travel
- Horizontal sections require non-combustible support every three feet (e.g.: plumbing tape)



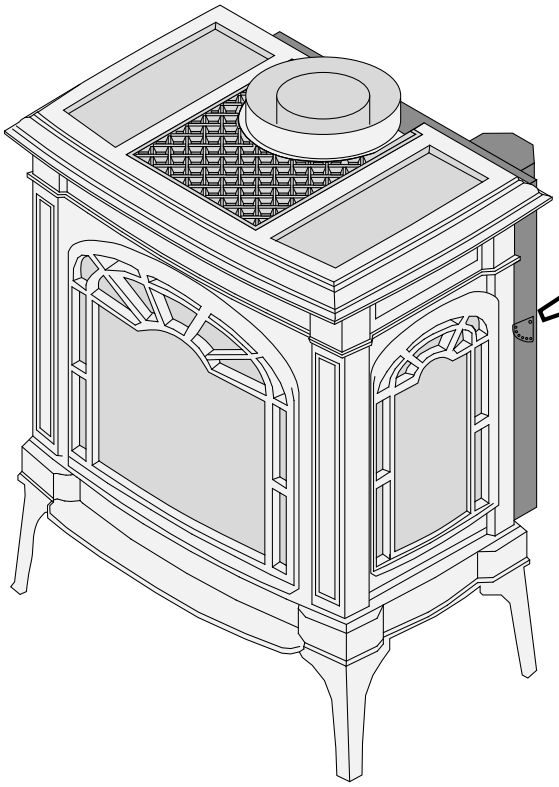
Approved Vent Configurations

Overview

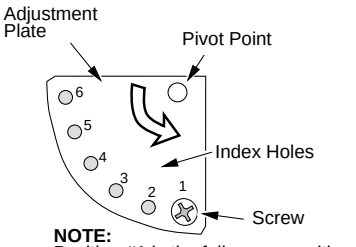
This appliance has several components used to control the flow of intake air and exhaust gases. Depending upon vent configuration, you may be required to adjust the intake restrictor, exhaust restrictor, diffuser and/or install the intake dampers and extender plate. Refer to the vent configuration (pages 17 to 22) to determine the correct restrictor, damper, extender, and diffuser settings.

Intake Restrictor

NOTE: Refer to the vent configuration (pages 17 to 22) to determine the correct restrictor position.



Rotate the adjustment plate to change the restrictor position.

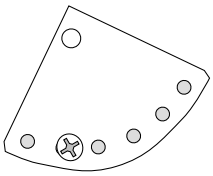


NOTE:
Position #1 is the fully open position

To Adjust the Restrictor:

1. Determine a restrictor position (see the charts under "Approved Vent Configurations")
2. Remove the screw.
3. Rotate the adjustment plate counter-clockwise until the correct index hole is over the screw hole.
4. Insert the screw into the correct index hole and tighten.
5. Use touch-up paint to conceal any exposed steel near the restrictor.

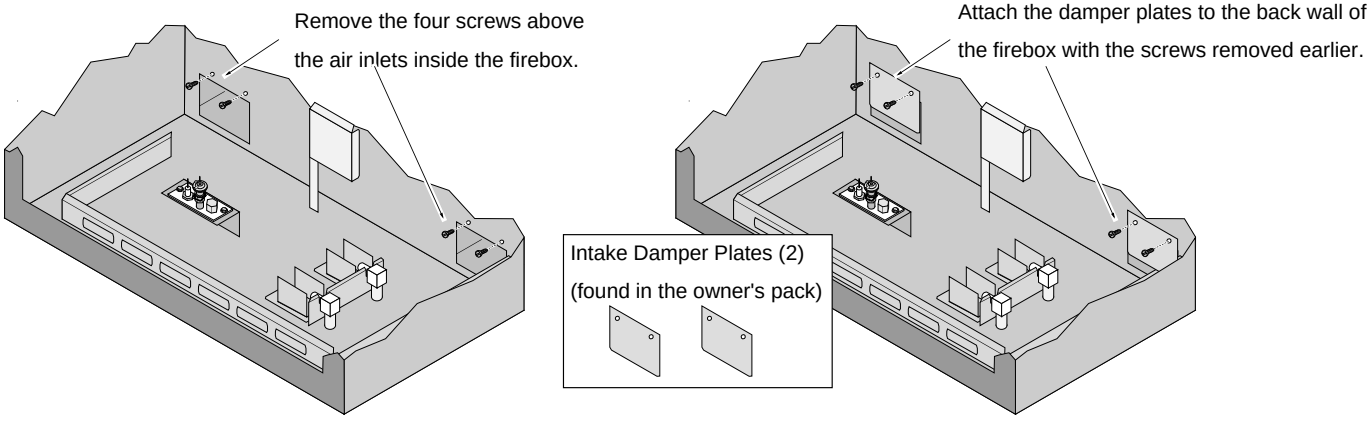
This restrictor is in Position #5.



Intake Damper Plates

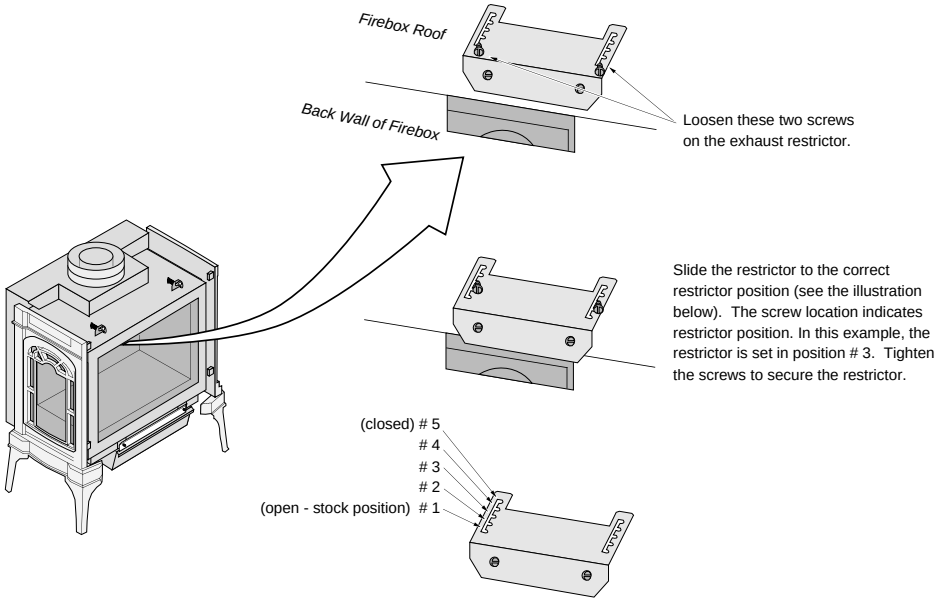
NOTE: Refer to the vent configuration (pages 17 to 22) to determine if these plates must be installed.

- Two intake damper plates are included in the owner's pack. They are installed behind the burner in certain vent configurations. See page 50 for details on removing the burner.



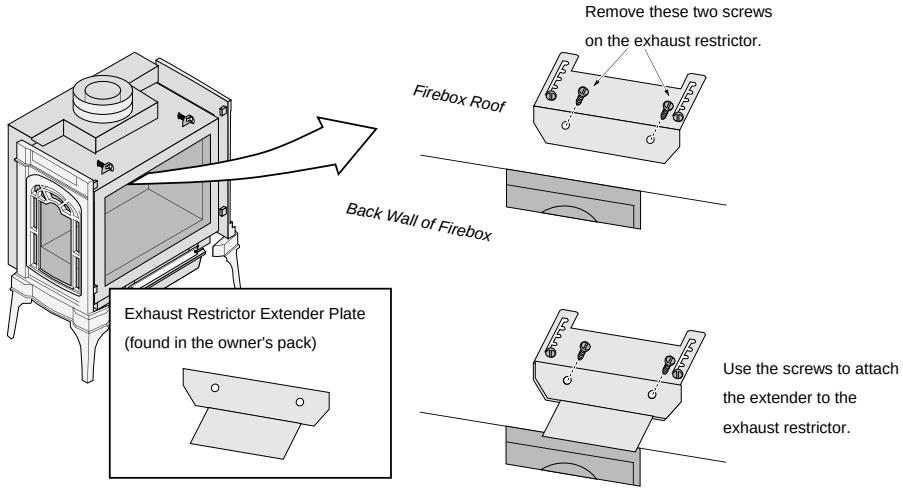
Exhaust Restrictor

NOTE: Refer to the vent configuration (pages 17 to 22) to determine the correct restrictor position.



Exhaust Restrictor Extender Plate

NOTE: Refer to the vent configuration (pages 17 to 22) to determine if the extender must be installed.

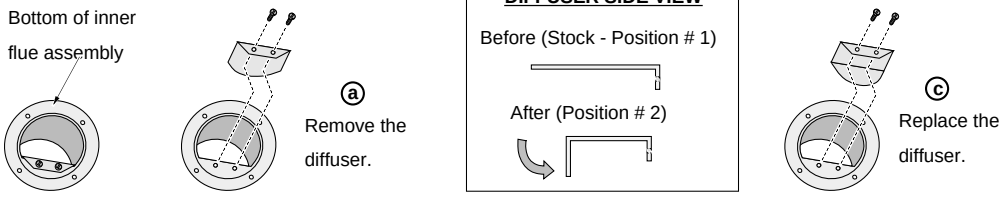


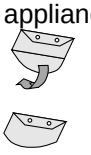
Diffuser

NOTE: Refer to the vent configuration (pages 17 to 22) to determine if the diffuser must be adjusted.

- The diffuser is best accessed while converting the appliance to rear vent (see page 10).

The diffuser is found on the inner flue assembly (see Top to Rear Vent Configuration for details).



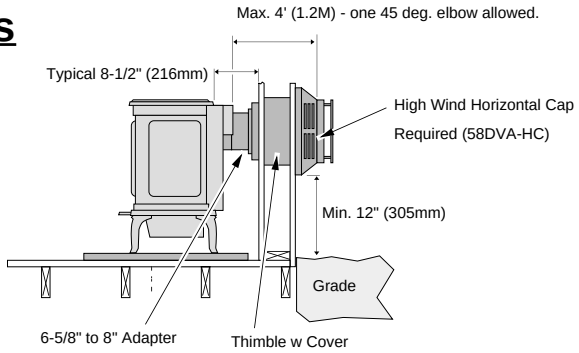


ⓑ Bend the round portion of the diffuser so it is bent (position # 2).

Rear Vent Configurations with Horizontal Termination and No Rise

- Use 8” Diameter Vent with a 6-5/8” to 8” adapter (increaser). We recommend using the minimum vent kit from Travis Industries (SKU 96200311). This kit contains the following components used to vent the stove through a typical exterior wall:
  - -- 6-5/8” to 8” Adapter (Black)
  - -- Pipe Section (3.9”)
  - --- Thimble Cover (Black)
  - -- Thimble (2 pieces)
  - -- High-Wind Horizontal Cap
- Place the 6-5/8” to 8” adapter directly onto stove (see illustration below).
- Maximum Horizontal Run of 4’.
- On LP configurations with an extended vent configuration (more than 3.9” horizontal section) a 14” snorkel is required. A high-wind horizontal cap is required for all other installations(see below).

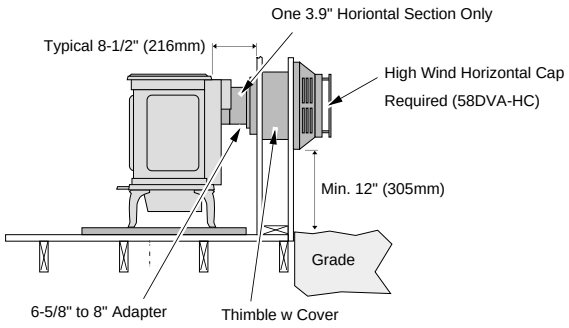
NG Applications



LP Applications

Min. Vent Configuration

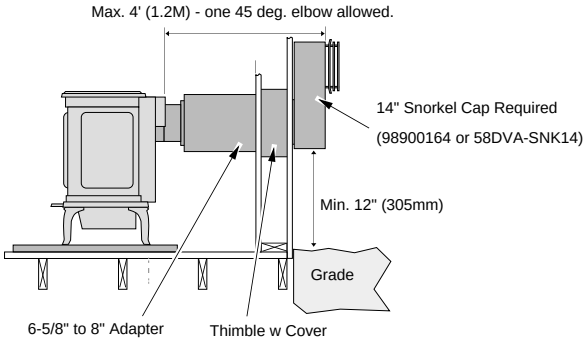
(one 3.9" horizontal section)



Extended Vent Configuration

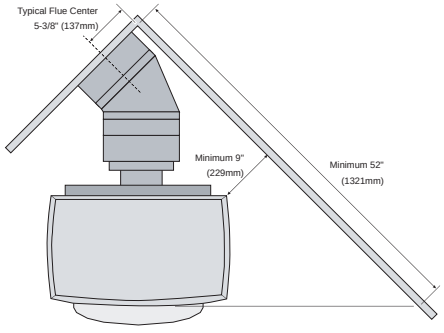
(Max. 4' Run - one 45 deg. elbow allowed)

- Remove Exhaust Restrictor (replace screws)



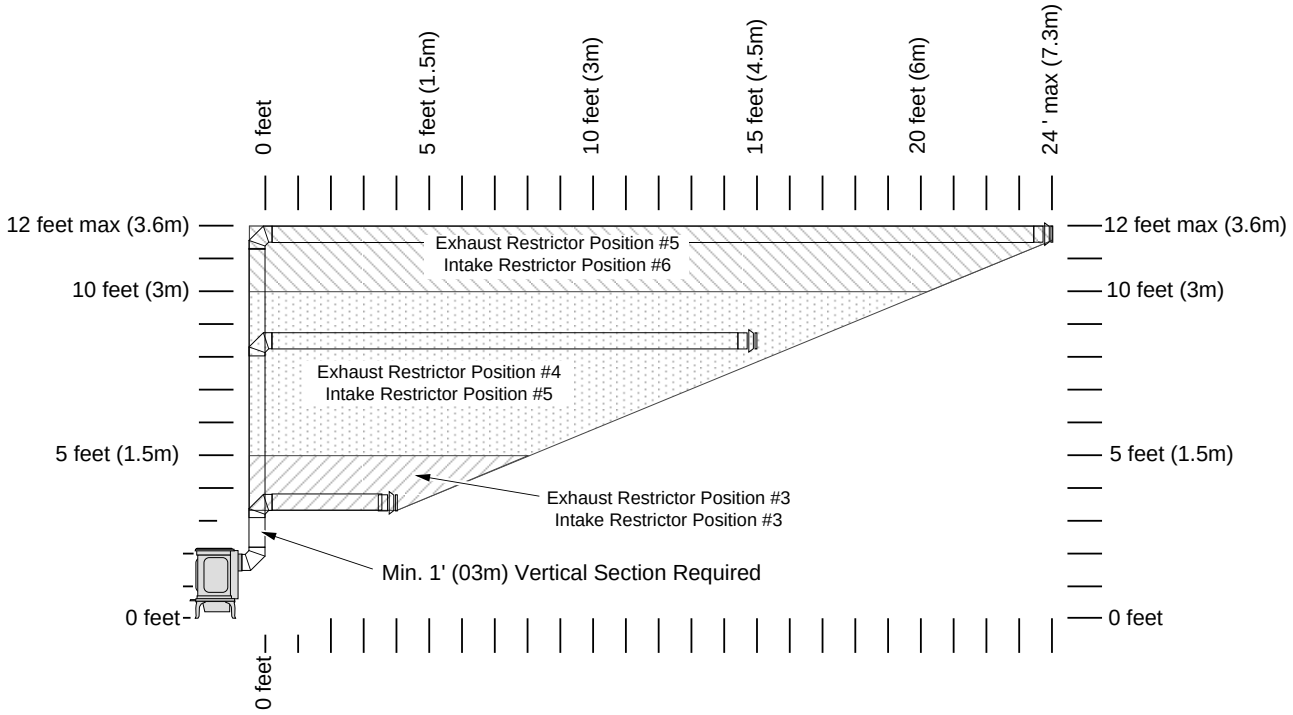
- Horizontal sections require a ¼” (6mm) rise every 12” (305mm) of travel.
- Maximum of one (1) 45° elbow may be used between horizontal sections.
- Diffuser must be set to closed (#2) position.
- Intake restrictor set to #1 (stock).
- Exhaust restrictor must be set to the #1 (stock) position except for LP extended vent configurations (remove the exhaust restrictor and replace the screws).
- Do not install the intake damper plate or exhaust restrictor extender plates.

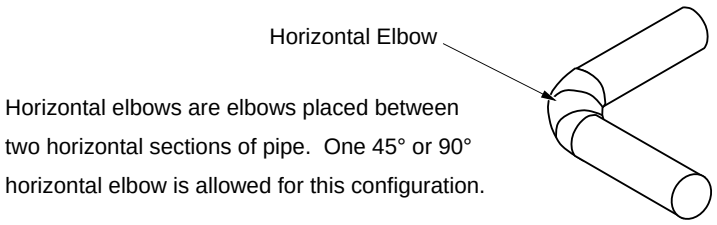
Corner Installations



Rear Vent Configurations with Horizontal Termination and 1' Min. Rise

- Use 6-5/8" Diameter Vent
- Horizontal sections require a ¼" (6mm) rise every 12" (305mm) of travel.
- Maximum of one (1) 45° or 90° horizontal elbow may be used (see illustration).
- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor positions. NOTE: Restrictor positions are based upon lab tests. The ideal restrictor position may vary slightly, especially when the termination is near a demarcation line.
- Diffuser set to open (stock) position).
- Do not install the intake damper plate or exhaust restrictor extender plates.

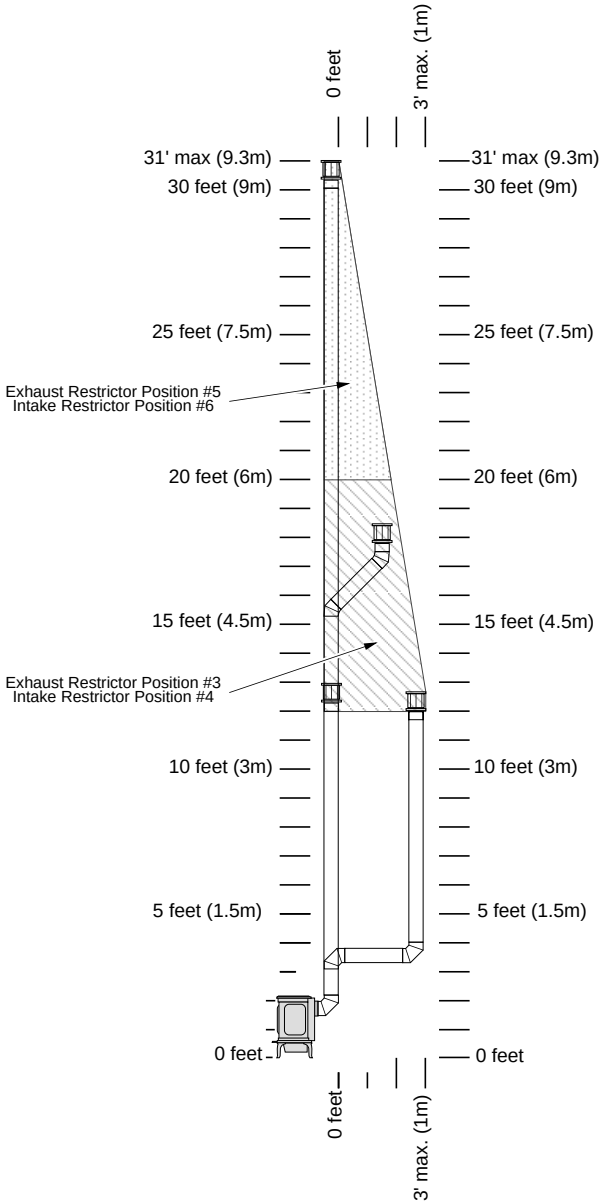




Horizontal elbows are elbows placed between two horizontal sections of pipe. One 45° or 90° horizontal elbow is allowed for this configuration.

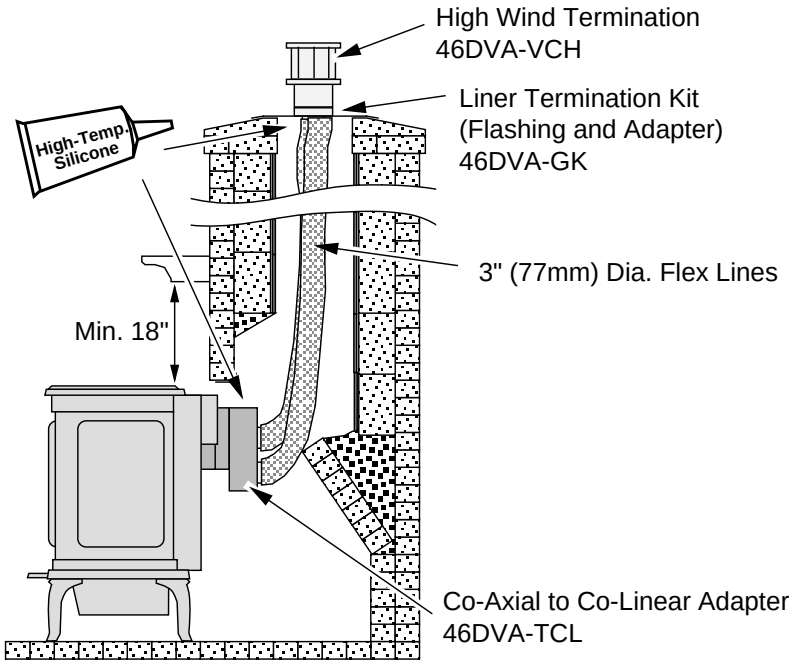
Rear Vent Configurations with Vertical Termination

- Use 6-5/8” Diameter Vent
- Horizontal sections require a ¼” (6mm) rise every 12” (305mm) of travel.
- A maximum of three (3) elbows may be used (e.g.: one 90° and two 45° or three 90°).
- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor positions. NOTE: Restrictor positions are based upon lab tests. The ideal restrictor position may vary slightly, especially when the termination is near a demarcation line.
- Diffuser set to open (stock) position).
- Install the intake damper plate.
- Install the exhaust restrictor extender plate.



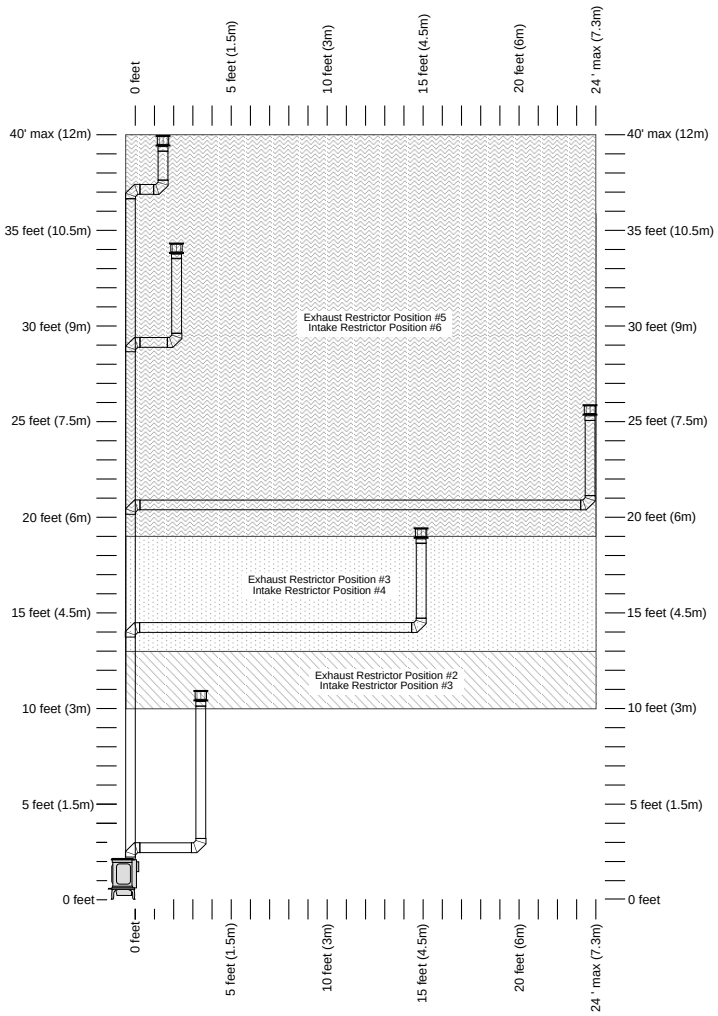
Rear Vent Configuration Vented into Stove with Co-Linear Adapter

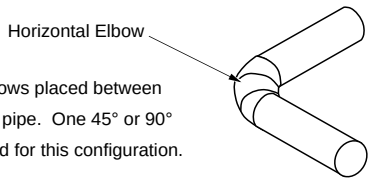
- Attach the Co-Linear adapter directly to the back of the stove. Use two (2) 3” UL 441 or 1775 gas liners to vent the appliance through a code-conforming masonry or metal (zc) stove. All clearances to combustibles must be met and the flex vent must be vented through a non-combustible stove chimney.
- Use a high-wind termination cap.
- Vent height must be a minimum 10’ and maximum 25’.
- Diffuser must be set to closed (#2) position.
- Intake and exhaust restrictor must be set to the #1 (stock) position.
- Do not install the intake damper plate or exhaust restrictor extender plates.



Top Vent Configuration with Vertical Termination

- Use 6-5/8” Diameter Vent
- Horizontal sections require a ¼” (6mm) rise every 12” (305mm) of travel.
- A maximum of four (4) 45° or 90° elbows may be used. Of these elbows, only one (1) may be a horizontal elbow (see illustration).
- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor positions. NOTE: Restrictor positions are based upon lab tests. The ideal restrictor position may vary slightly, especially when the termination is near a demarcation line.
- Diffuser set to open (stock) position.
- Install the intake damper plate.
- Install the exhaust restrictor extender plate.

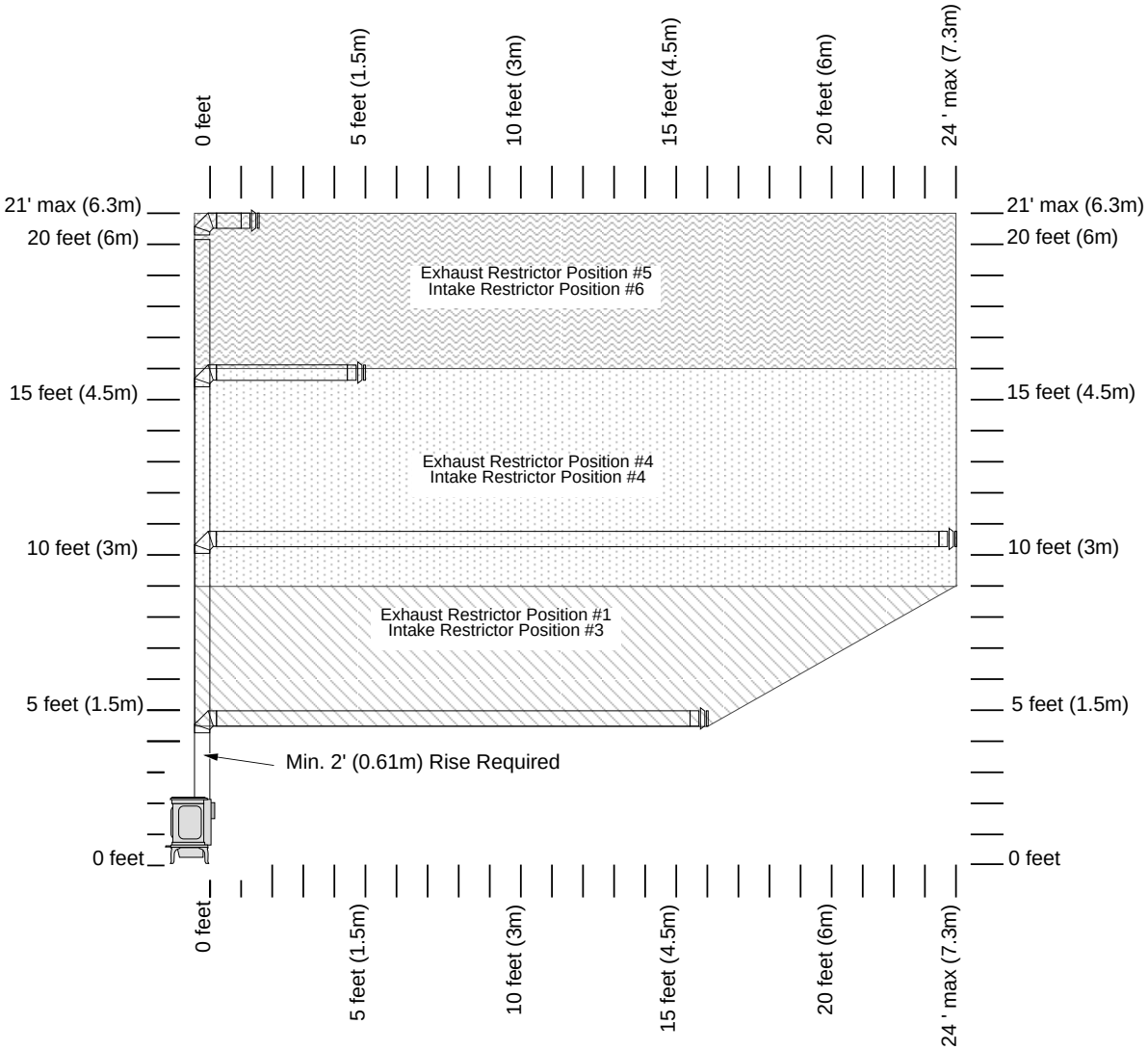


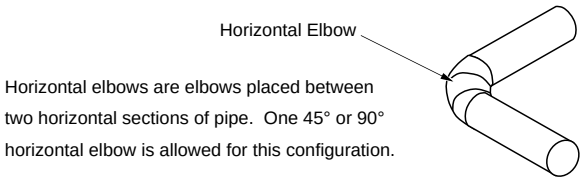


Horizontal elbows are elbows placed between two horizontal sections of pipe. One 45° or 90° horizontal elbow is allowed for this configuration.

Top Vent Configuration with Horizontal Termination

- Use 6-5/8” Diameter Vent
- Horizontal sections require a ¼” (6mm) rise every 12” (305mm) of travel.
- A maximum of four (4) 45° or 90° elbows may be used. Of these elbows, only one (1) may be a horizontal elbow (see illustration).
- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor positions. NOTE: Restrictor positions are based upon lab tests. The ideal restrictor position may vary slightly, especially when the termination is near a demarcation line.
- Diffuser set to open (stock) position).
- Do not install the intake damper plate or exhaust restrictor extender plates.

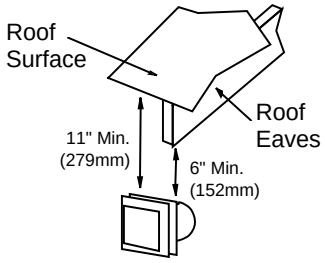




Horizontal elbows are elbows placed between two horizontal sections of pipe. One 45° or 90° horizontal elbow is allowed for this configuration.

Vent Termination Requirements (see illustration below)

! 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 12" (305mm) 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 minumum 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 nonmechanical air supply inlet to the building or the combustion air inlet to any other appliance.

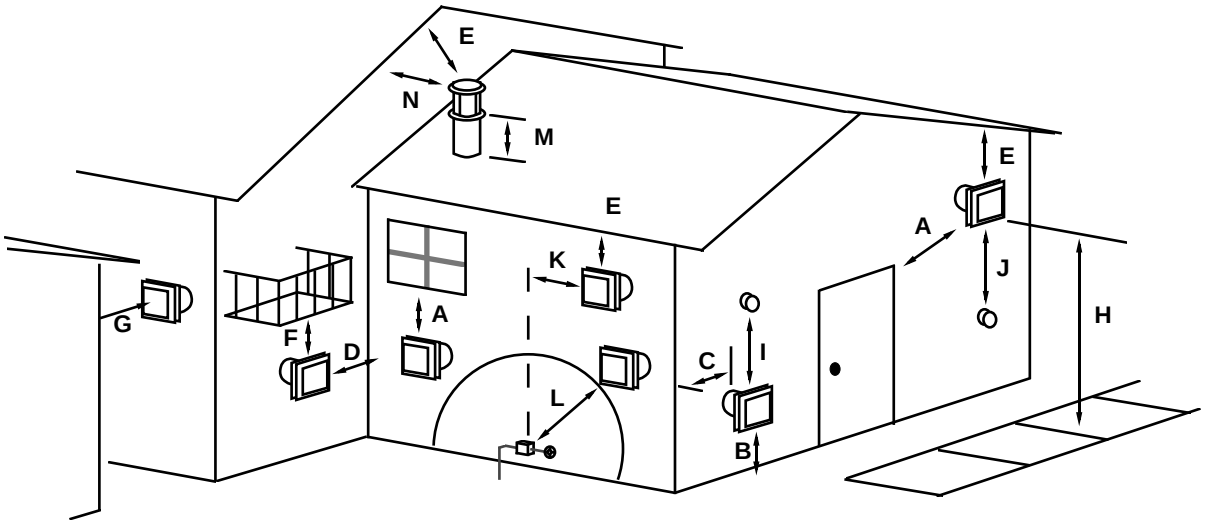
J Minimum 36" (914mm) clearance above any mechanical air supply inlet if within 10' (3M) horizontally

K Minimum 36" (914mm) from the area above the meter/regulator (vent outlet) - this extends 15' (4.5M) above the regulator
NOTE: Clearance in accordance with local installation codes and the requirements of the gas supplier.

L Minimum 36" (914mm) from the meter/regulator (vent outlet)
NOTE: Clearance in accordance with local installation codes and the requirements of the gas supplier.

M Minimum 12" (305mm) above the roof line (for vertical terminations)

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



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

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

Class A Chimney Conversion Kit (top vent configuration only)

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

! Do not exceed the maximum vertical rise (see the section "Approved Vent Configurations" starting on page 15) allowable. Remember to set the restrictor position to the correct position (based upon the vertical rise height - see the chart on page 21).

! The conversion kit does not work on interior masonry chimneys.

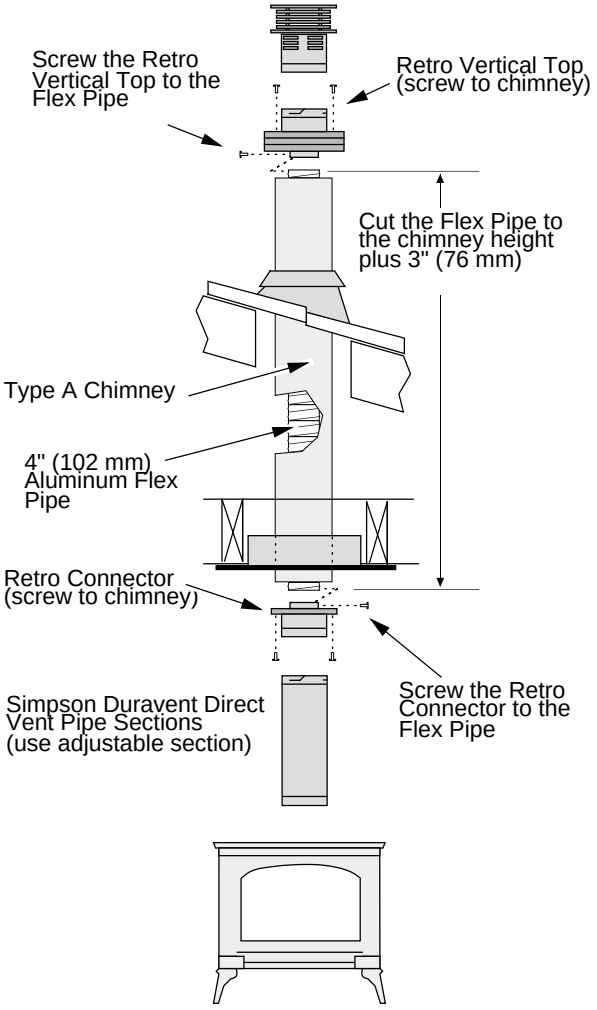
Chimney Conversion Kit A (# 931)
Metalbestos 6" I.D.
Security Chimneys 6" I.D.
Jackes-Evans 6" I.D.
Hart & Cooley 6" I.D.
Pro-Jet 6" I.D.

Chimney Conversion Kit B (# 932)
Simpson Dura-Vent 6" I.D.
Air-Jet 6" I.D.
Metal-Fab 6" and 7" I.D.
Amer. Metals 6" & 7" I.D.
Metalbestos 7" and 8" I.D.
Jackes-Evans 7" and 8" I.D.
Hart & Cooley 7" and 8" I.D.
Pro-Jet 7" and 8" I.D.
Security Chimneys 8" I.D.

Chimney Conversion Kit C (# 933)
Simpson Dura-Vent 7" and 8" I.D.
American Metals 8" I.D.
Air-Jet 8" I.D.
Metal-Fab 8" I.D.
American Metals 8" I.D.

Each Kit Contains:
Retro Connector
Retro Vertical Top

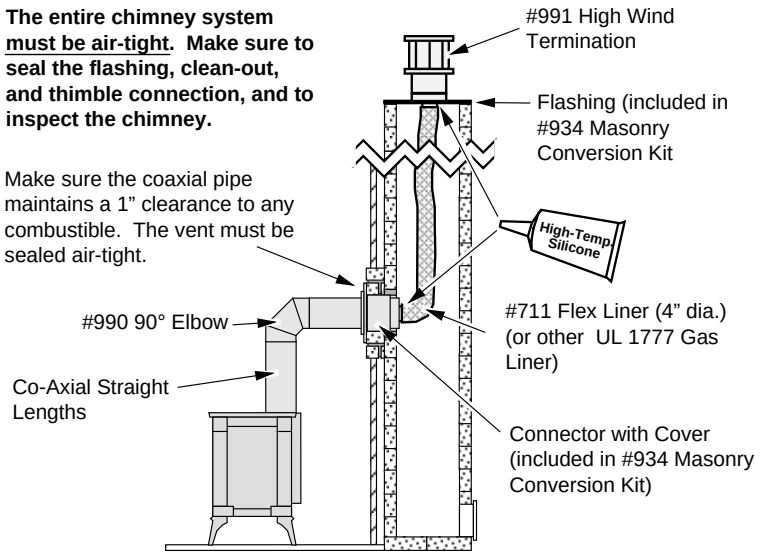
Additional Required Equipment:
4" Flex (#711 or U.L. 1777)
Termination (#991)
Co-Axial Sections



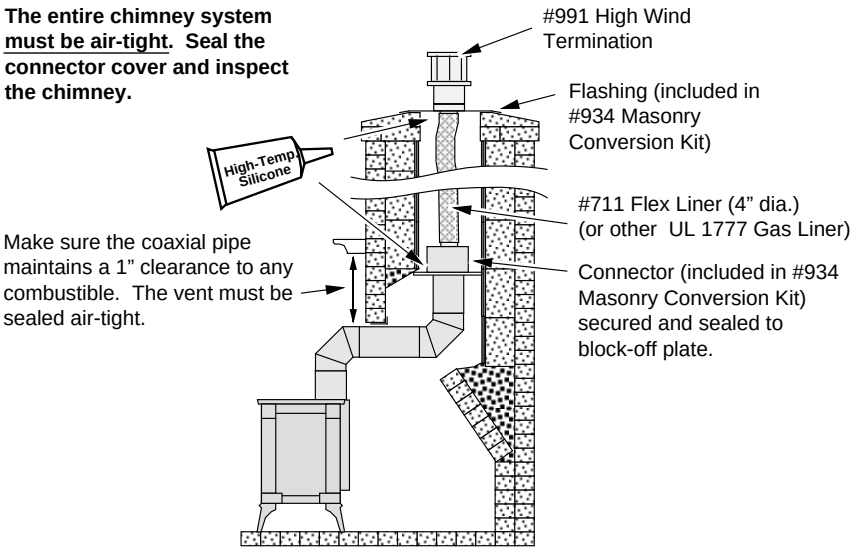
Interior Masonry Chimney Conversions (top vent configuration only)

- Follow the requirements and use the equipment listed in the illustration below to install this appliance into an interior masonry chimney.
- Maximum vertical rise is 40'
- Minimum vertical rise is 10'
- See the chart on page21 for determining the correct restrictor position.
  NOTE: these restrictor positions are based upon lab tests. The ideal restrictor position may vary slightly.

Interior Masonry Chimney



Standard Masonry Fireplace

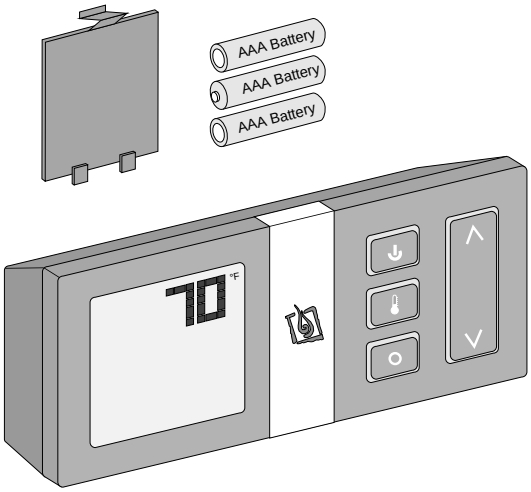


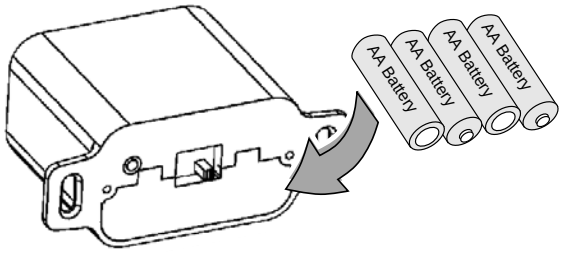
Steps for Finalizing the Installation

1. Remove the glass (see page 28).

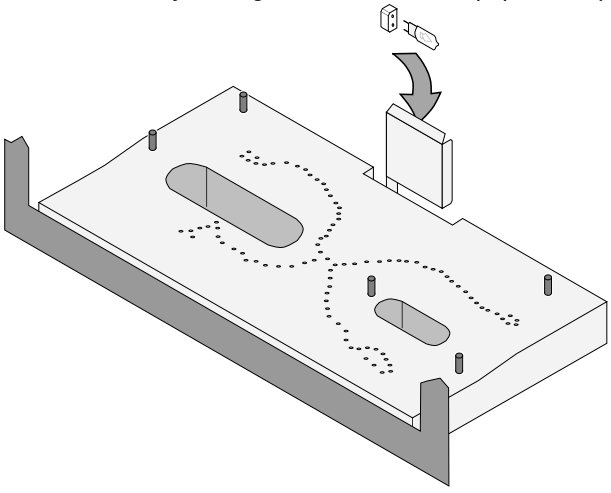
   NOTE: If using propane (LP) convert the appliance prior to installing the logs.

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 into the battery holder (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.





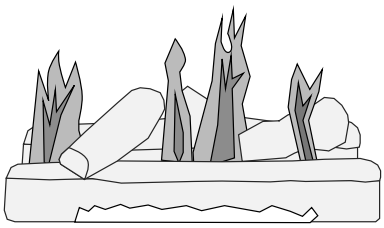
4. Make sure the accent light bulb is in place and works correctly.
   NOTE: Take care to not touch the bulb with your fingers – use a cloth or paper towel).



5. Install the logs (see page 30).
6. Replace the glass.
7. Start the heater.
8. Leak test all gas joints.
9. Check the air shutter following the directions below.

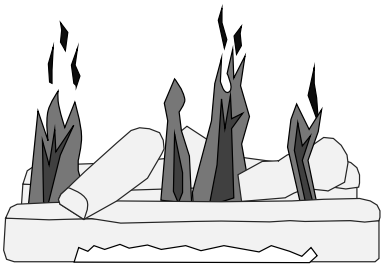
Air Shutter Adjustment

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.



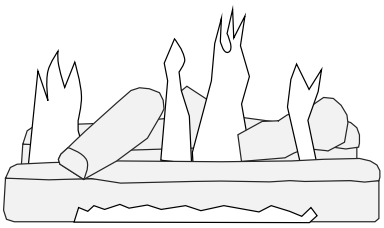
Correct

Flames should be blue at the base, yellow-orange on the top.



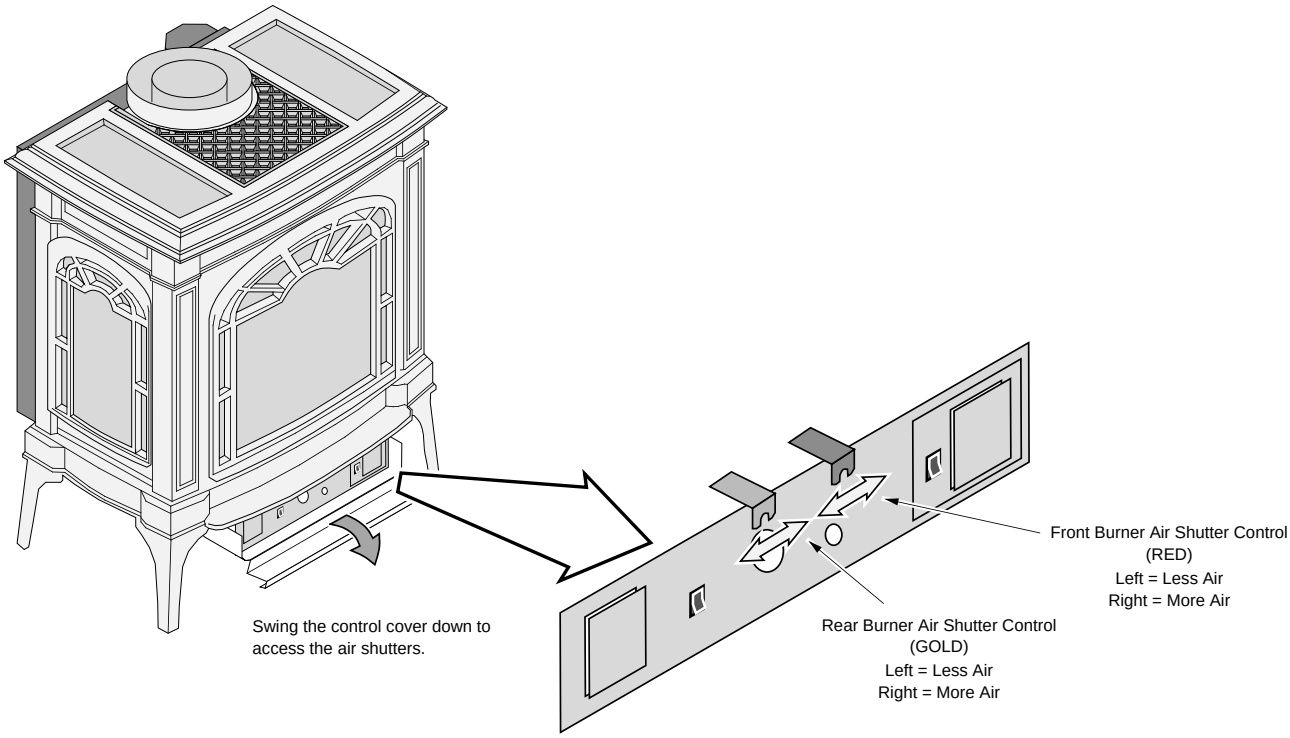
Not Enough Air

If the flames are too tall or sooty on the ends, open the air shutter.



Too Much Air

If the flames are all blue and short, close the air shutter.



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

28 Finalizing the Installation (for qualified installers only)

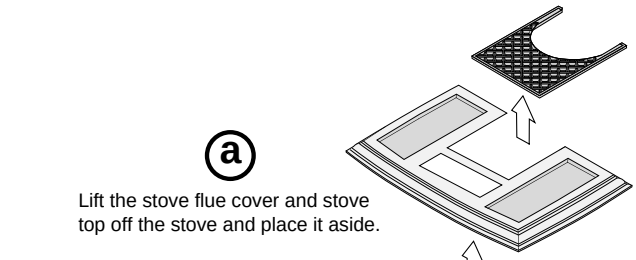
Face and Glass Removal

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.

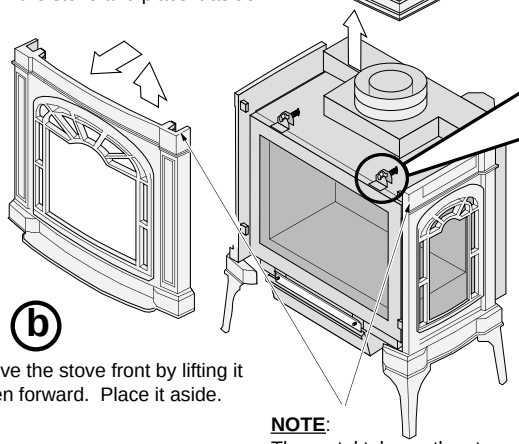
If the barrier becomes damaged, the barrier shall be replaced with the manufacturer's barrier for this appliance.

The appliance must be completely cool before removing the glass.

Do not strike or slam the glass.



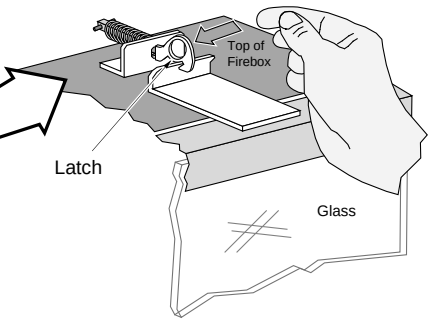
a Lift the stove flue cover and stove top off the stove and place it aside.

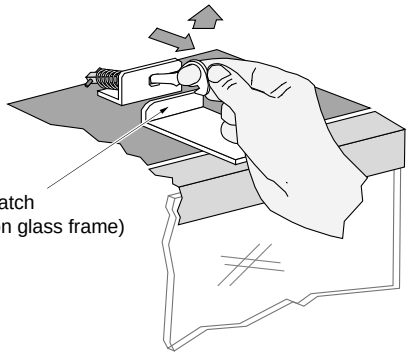


b Remove the stove front by lifting it up then forward. Place it aside.

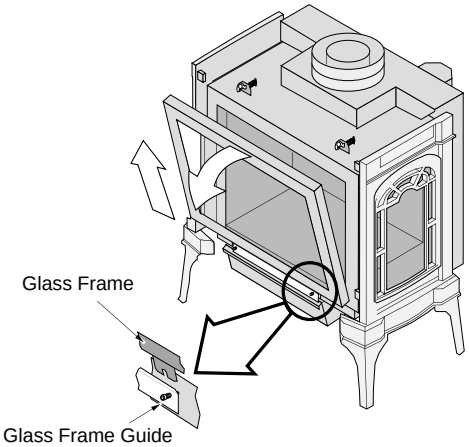
NOTE:
The metal tabs on the stove front slide over the tabs on the side castings.

c Open the two latches holding the glass frame in place - follow the directions shown below





d Lift the glass frame slightly, swing the top forward, then lift the glass frame to disengage it from the bottom guides.



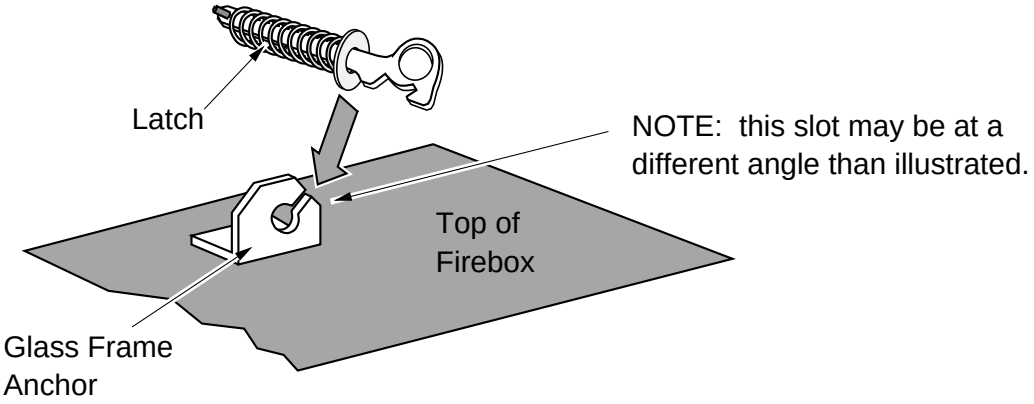
Re-Attaching the Glass Frame:

a) Slide the two brackets on the bottom of the glass frame into the glass frame guides (hold the glass frame at a slight angle.
b) Swing the glass frame into place - you may have to lift it slightly to allow it to fit over the top of the firebox.
c) Attach the upper latches (follow the instructions above in reverse).
d) Replace the stove front and top.

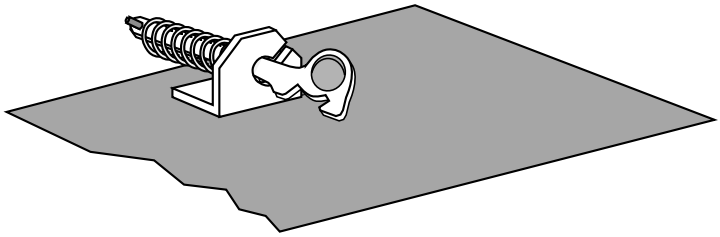
Glass Frame Removal and Installation (continued)

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.

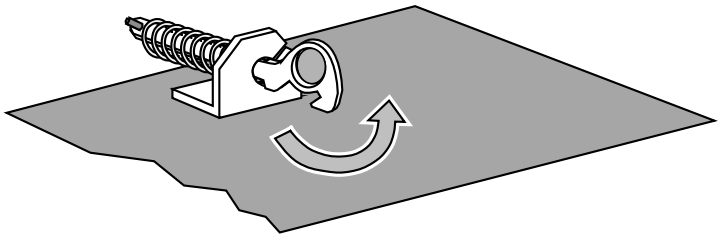
Hold the latch at an angle and insert it into the slot on the glass frame anchor.



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.



30 Finalizing the Installation (for qualified installers only)

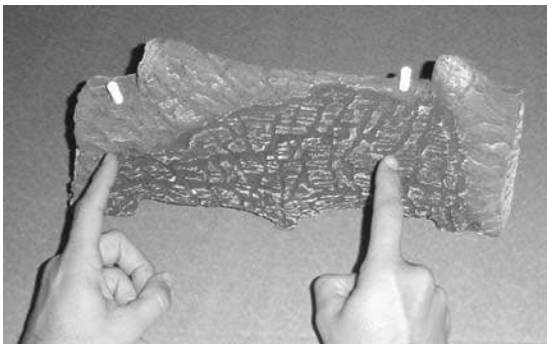
Log Installation

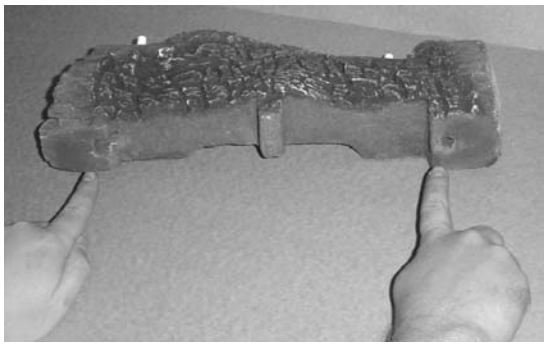
! The logs are fragile, especially after being exposed to heat.

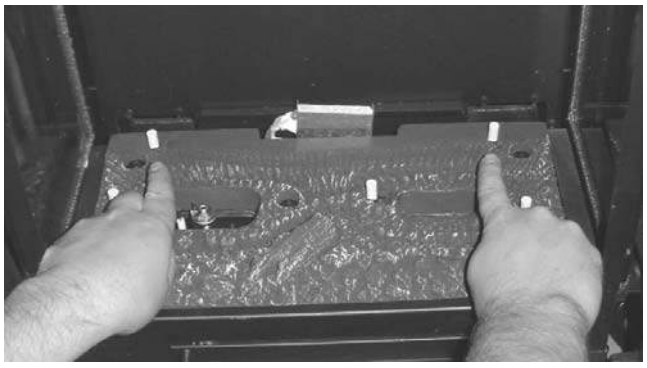
- Make sure the gas control valve is “OFF” and the heater is cool prior to conducting service.
- Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.
- If using propane (LP), convert the appliance before installing the logs (see page 50).
- The burner must be correctly positioned before installing the logs. Make sure the burner is fully seated and the pilot is properly aligned. See page 50 for details on burner removal.

Rear Log Placement

The rear log has two holes on the bottom. Place the log so the pins on the burner insert into the holes on the log (see photos below).



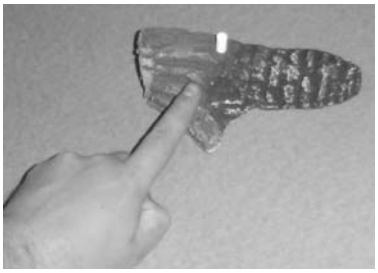


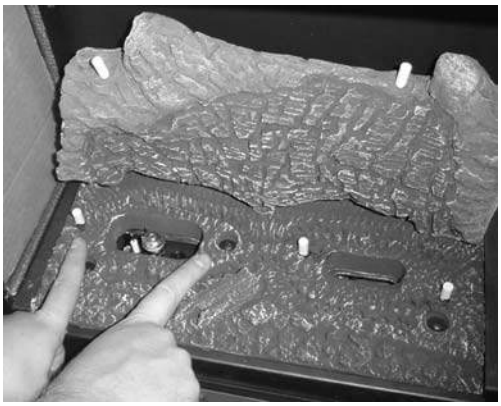
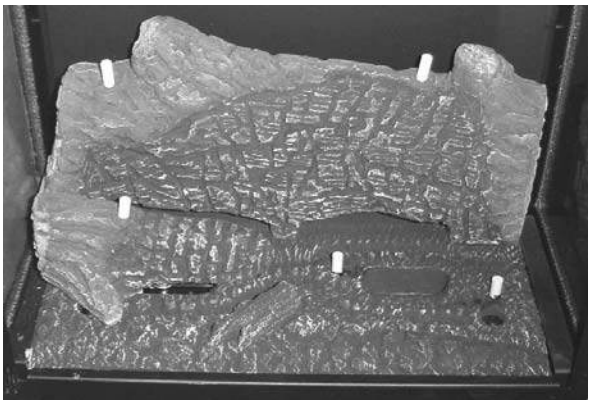




Left Log Placement

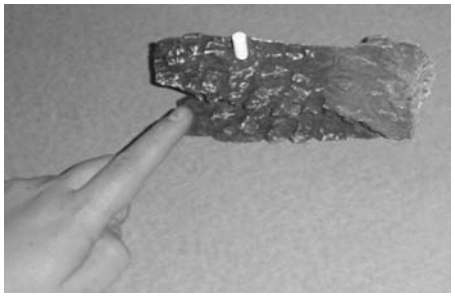
The left log has one hole and one elevated pad on the bottom. Place the log so the pin on the burner inserts into the holes on the log and the pad inserts over the screw on the burner (see photos below).

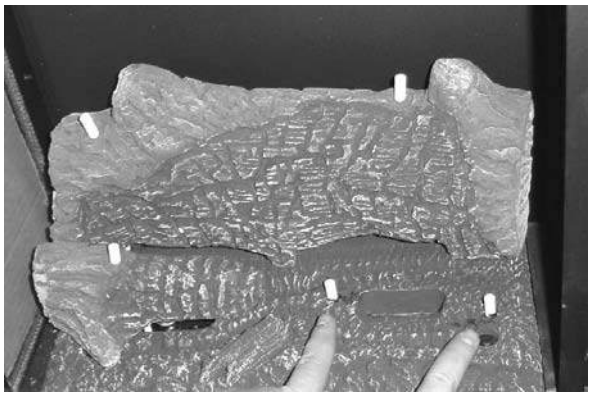
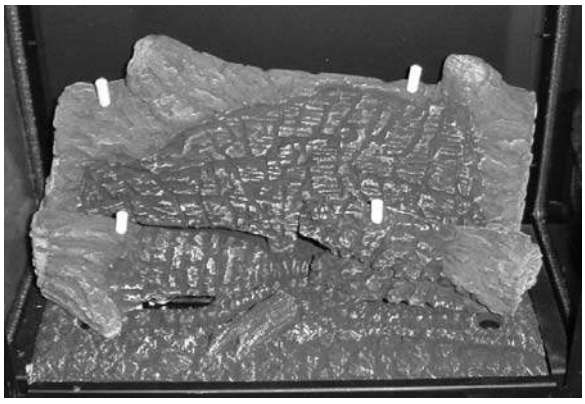


Right Log Placement

The right log has two holes on the bottom. Place the log so the two pins on the burner insert into the holes on the log (see photos below).



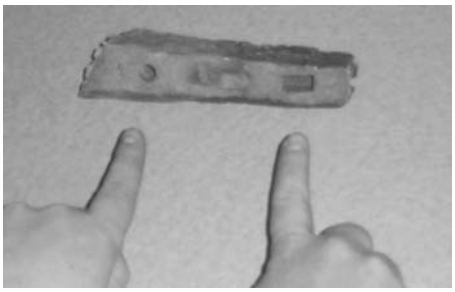
Left Twig Placement

The left twig is the shorter twig(see photo below). The bottom of the twig has two holes. Place the twig so the pins on the rear and left log insert into the holes on the twig.



Left Twig

Right Twig

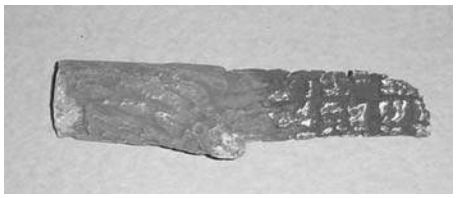




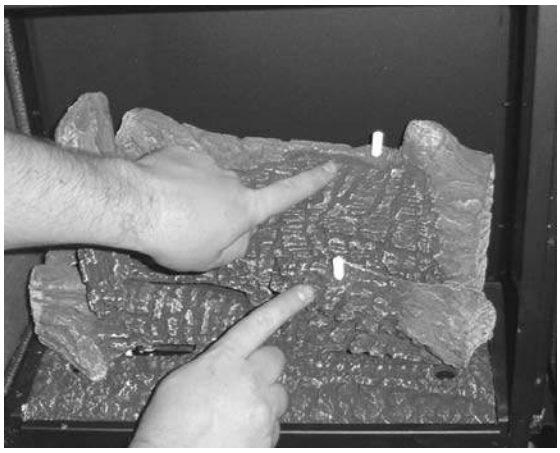


Right Twig Placement

The right twig has two holes in the bottom that fit over the pin on the back and right log (see photos below). The lower side of the twig rests on the right log. Place the twig as shown below.





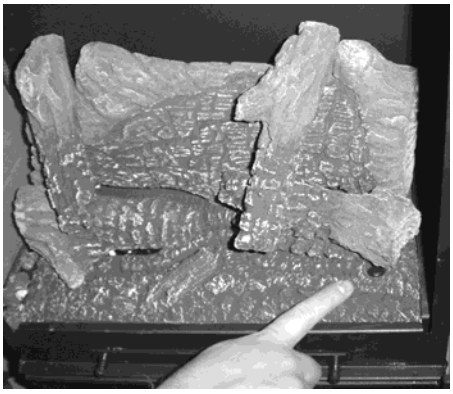




Ember Placement

Place a layer of embers along the edges of the burner to achieve an aesthetic appearance. Also place an ember over the screw on the right side of the burner (see photos below).

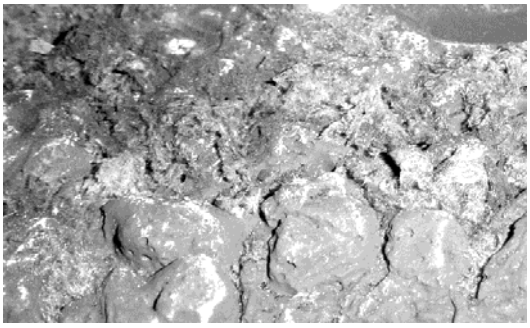




Rockwool Installation

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 rockwool between your thumb and forefinger. Use a stiff brush to apply a thin layer of rockwool fibers onto the burner. Do not use the entire bag of rockwool. Use only a small amount and save the remainder. Over-use of rockwool will diminish the glow and may cause sooting or other adverse conditions.

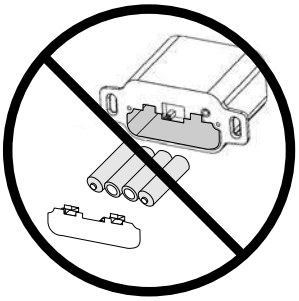




Before You Begin

- Read this entire manual before you use your new heater (especially the section "Safety Precautions" on pages 4 & 5). Failure to follow the instructions may result in property damage, bodily injury, or even death.

Remote Control Warnings



KEEP BATTERIES AND COVER INSTALLED AT ALL TIMES

The remote control system requires the batteries and battery cover to remain in place at all times. Once the batteries or cover are removed, the system may re-start in standing pilot mode. If this occurs when the heater is in Remote Mode, you will not be able to turn the heater off manually from the battery box.
If you need to replace dead batteries, make sure to **turn the appliance off** before removing the batteries.
NOTE: If the batteries go dead, the system will operate normally as long as household power (120v AC) is present.

The transmitter and IFC are radio frequency devices. Placing the transmitter in or near metal may severely reduce the signal range.

Turn off the main gas supply to the appliance during appliance installation or maintenance.

During appliance installation or maintenance or in case of remote control malfunction turn off the main gas supply.

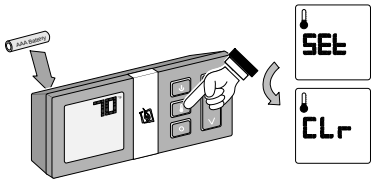
PROGRAMMING THE REMOTE

The SIT GSR2 remote may be programmed to disable the thermostat or any of the modes (flame height, blower, light, comfort control, Standing Pilot *, or auxiliary power input). This allows you to tailor the remote to the appliance.

* We do not recommend disabling the standing pilot option for our gas appliances. This feature may be recommended for cold regions or installations with sub-optimal venting.

How to Disable/Enable the Thermostat

The remote is shipped with the thermostat enabled.
1 Remove one battery from the remote.
2 Press and hold the thermostat button while replacing the battery. This will toggle the thermostat function. Repeat this process to toggle the thermostat function to the desired setting.



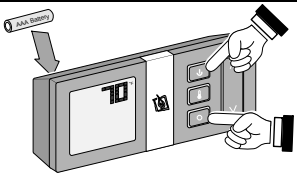
"SET" = thermostat function enabled.

"CLR" = thermostat function disabled.

How to Disable/Enable Modes (Light, Blower, etc.)

The remote is shipped with all modes enabled (except AUXiliary).
1 Remove one battery from the remote.
2 Press and hold the on/off button and mode button while replacing the battery.

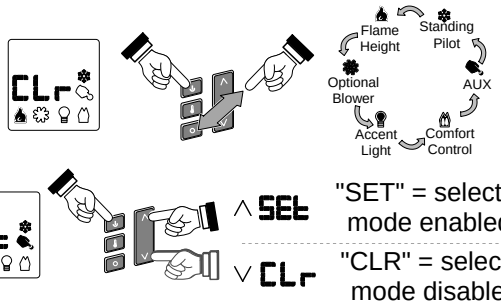
Keep the on/off button depressed during the following steps.



3 While keeping the on/off button depressed, press and release the mode button until the mode that needs to be changed is illuminated.

4 With the desired mode illuminated (see illustration to the right), press the “up” or “down” button to activate or clear the mode being addressed. Make sure to keep the on/off button depressed during this process.

5 Release the on/off button to complete programming.



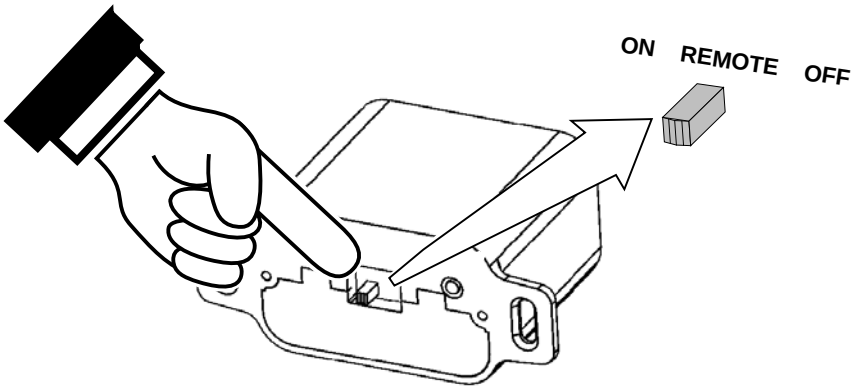
"SET" = selected mode enabled.

"CLR" = selected mode disabled.

Remote Set-Up

Verify the Switch is on "REMOTE"

The battery holder has a switch built into it (see illustration below). This switch must remain in the REMOTE position for the remote to operate.

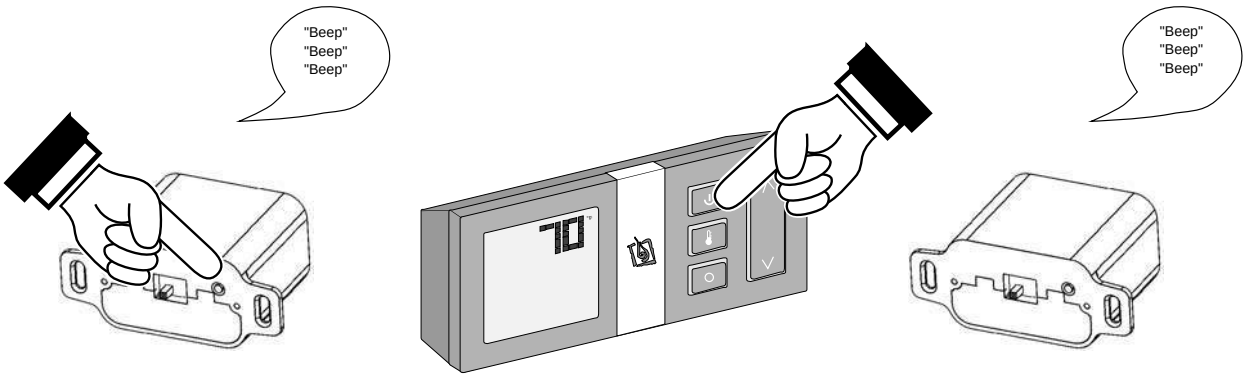


Synchronize the Transmitter to the IFC

The transmitter will need to be synchronized to the IFC (Integrated Fireplace Control) before the remote will work correctly. Synchronizing is done in the following two steps below (see illustration below):

Press the PRG (Program) button on the battery box (IFC will beep 3 times).

Press the "ON" button on the transmitter (IFC will beep 3 times).

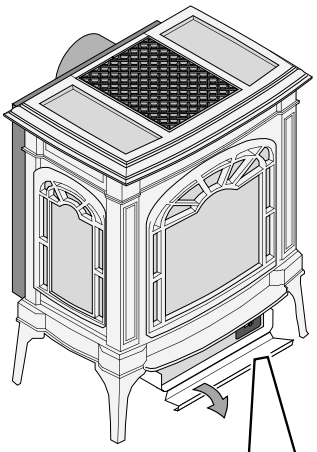


NOTE: If power is cut off to the IFC for an extended period of time, you may need to re-synchronize the remote.

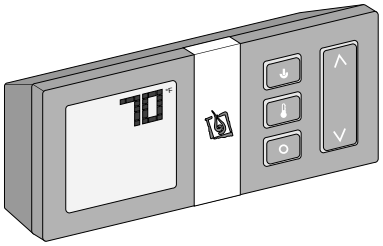
Clearing the System Memory

This appliance uses an Integrated Fireplace Control (IFC) to store the unique code for the remote control. If you wish to clear the system memory, MAKE SURE GAS IS TURNED OFF TO THE APPLIANCE then press the PRG (Program) button for 10 seconds. The pilot will start to spark repeatedly, signifying all system memory has been cleared. The system will return to its original configuration: a remote will need to be synchronized; and, the system will operate under continuous pilot mode.

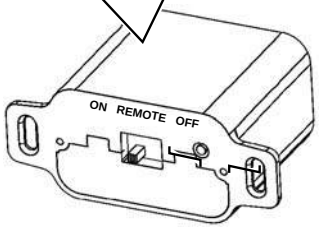
Location of Controls



Most features will be controlled by the included remote.



The battery holder / switch is on the right side, below the firebox.



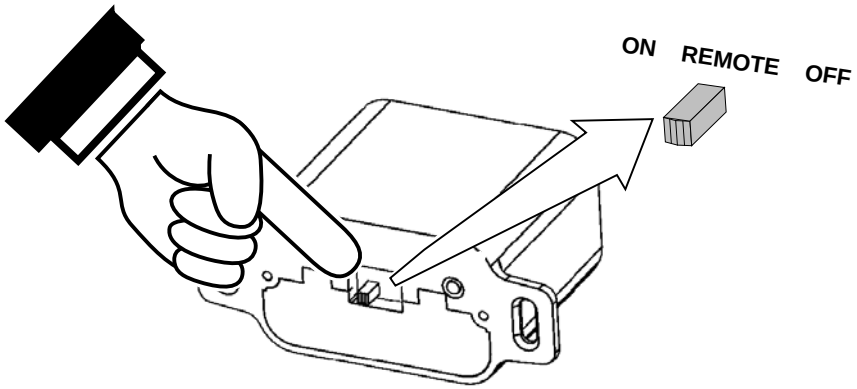
Direct Operation

The fireplace may be directly operated from the battery holder. The three positions are below (see illustration below):

ON – Burner turns on (regardless of transmitter settings).

OFF – Burner turns off (regardless of transmitter settings).

REMOTE – Burner is controlled by the transmitter.



NOTE: When the battery holder switch is turned to ON or OFF, the mode settings (Flame Height, Comfort Control) will remain in the same state as before the switch was moved (i.e.: the IFC "remembers" the last setting). If you wish to adjust the mode settings use the transmitter mode button to adjust the settings (see "Mode Controls" on page 40). The thermostat and burner on/off operating functions will not work on the transmitter.

Starting the Stove for the First Time

- Burn the heater at a high setting with the blower off for an extended period (up to 48 hours). This will cure the painted surfaces. **Fumes** from the paint curing and oil burning off the steel will occur. This is normal. We recommend opening a window to vent the room.
- **Condensation** may appear on the glass each time you start the stove - this is normal.
- **Blue Flames** will occur on the stove when it first comes on. After fifteen minutes the flames will turn a more realistic yellow and orange color.

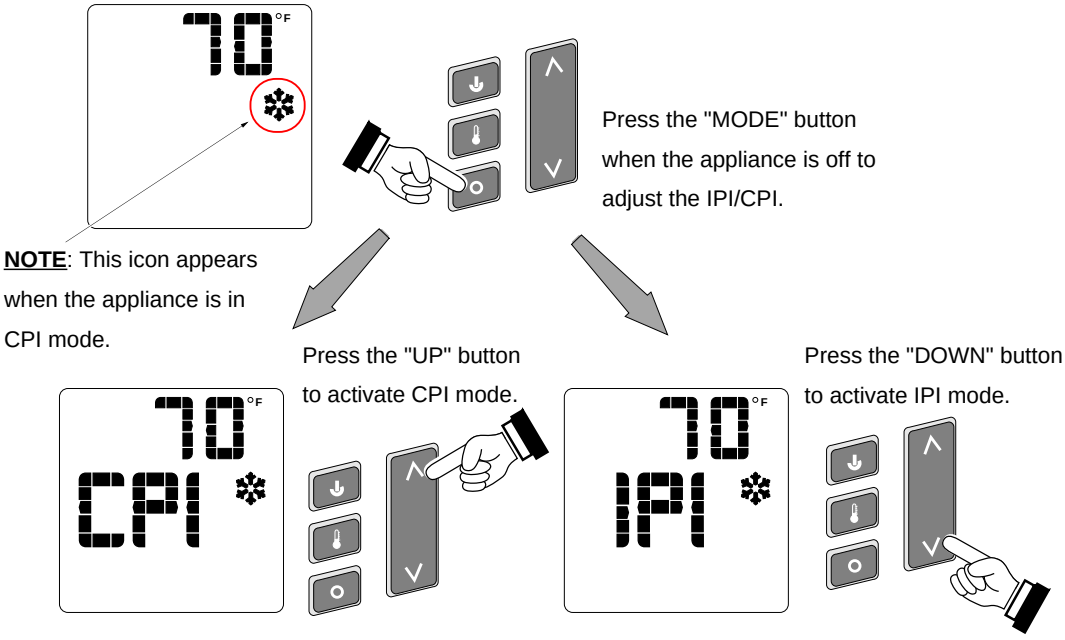
Intermittent/Continuous Pilot

This heater may run with the pilot continuously running or in intermittent mode. For most homeowners, the intermittent mode is preferred (this saves fuel, doesn't give off un-needed heat). However, in some situations the homeowner may prefer to switch the heater to continuous pilot. The most typical reasons for switching to continuous pilot are:

- Very Cold Conditions – in very cold conditions you may notice that the burner does not light quickly, and the flames lift off the burner. If this is situation, we recommend you switch to continuous pilot. This will create a slight draft in the vent, allowing for the burner to light quickly and draft correctly.
- Excessive Condensation on Glass After Startup – certain installations may encounter excessive fogging on the window after startup (not just the first time the heater was started). This is an aesthetic condition that may be remedied by switching the heater to continuous pilot.
- Cold Glass or Heater Front – in very cold conditions you may notice that the heater front and glass become very cold. To remedy this, switch the heater to continuous pilot.
- Frequent On / Off Operation – if you are frequently turning the heater on and off, you may wish to leave it in continuous pilot. This allows the burner to turn on more quickly, without pilot ignition delay.

Switching from Intermittent (IPI) to Continuous Pilot (CPI)

The pilot mode on this appliance is adjusted using the remote. With the remote in the off position (thermostat off, manual off), follow the directions below to adjust the pilot mode.

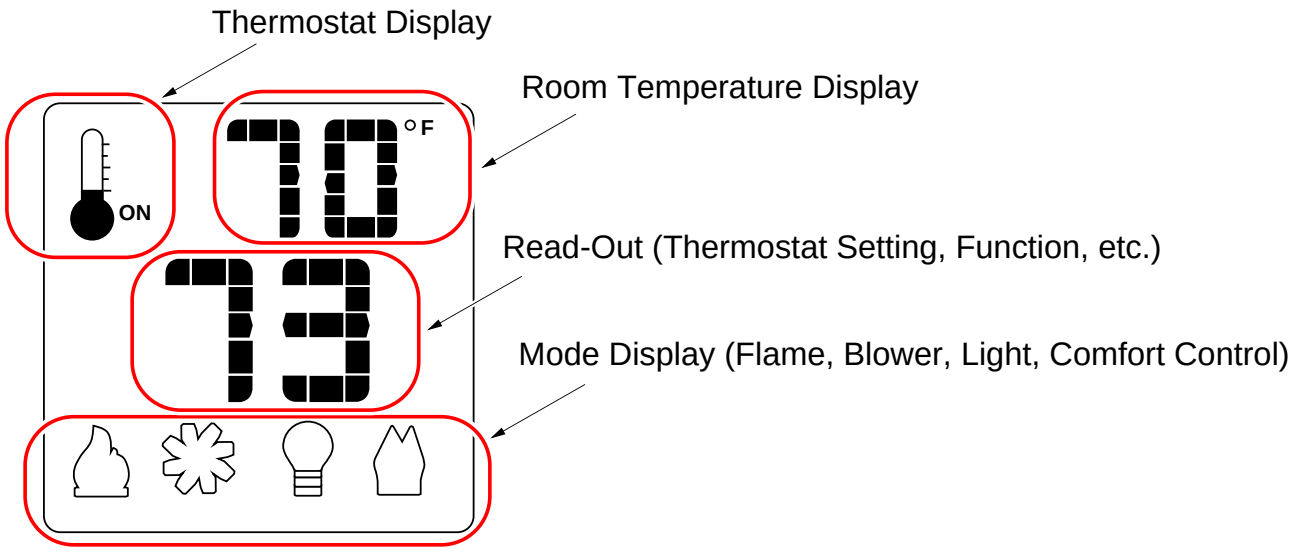


Remote Operation

When the switch on the battery holder is set to “REMOTE” the transmitter operates the fireplace. Once you understand how the transmitter works, you will be able to operate your fireplace quickly and easily.

Display Overview

The transmitter display has four main sections (see illustration below**)**.



Listen for the “Beep”

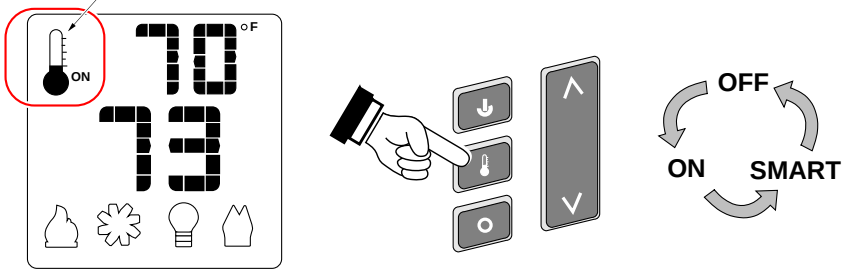
Each time you press a button on the transmitter that controls the fireplace, a “beep” will come from the IFC. When you change thermostat target settings the IFC will not beep.
NOTE: When the batteries start to get low, the IFC will beep twice whenever a button is pressed. When the batteries are nearly depleted, the IFC will no longer beep. See “IFC Batteries” on page 42).

Manual On-Off / Smart Thermostat / Standard Thermostat

Use the thermostat button to cycle through the three thermostat settings (see illustration below).

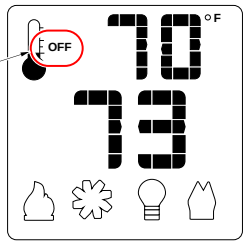
Look here for the thermostat setting.

Press the thermostat button to cycle through the thermostat settings.



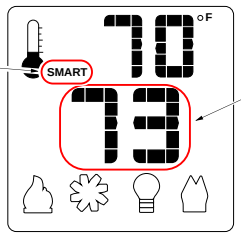
- **MANUAL ON/OFF** – The burner will turn on and off using the remote (see illustration below). Press the On/Off button to control the burner. When off, the display will only show the current temperature.

When in manual setting, the word "OFF" will appear here.

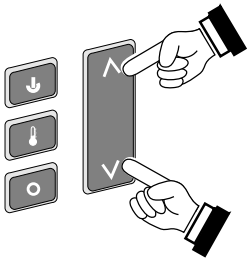


- **SMART THERMOSTAT** – While in smart thermostat, the transmitter will control the burner to achieve the target temperature (see illustration below). Flame height will be adjusted up or down to allow operation without turning the burner on and off (also called “smart modulation”). To adjust the target temperature, press the UP and DOWN buttons until a suitable temperature is achieved.

When in smart thermostat setting, the word "SMART" will appear here.

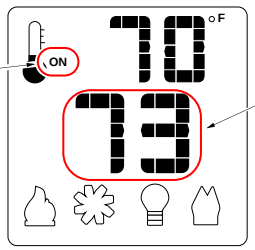


This is the target temperature on the read-out. Use the up or down buttons to adjust the target temperature.

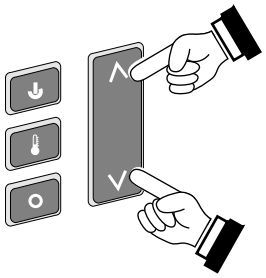


- **STANDARD THERMOSTAT** - While in standard thermostat setting, the transmitter will turn the burner on and off to achieve the target temperature (see illustration below). To adjust the target temperature, press the up and down buttons until a suitable temperature is achieved.

When in standard thermostat setting, the word "ON" will appear here.



This is the target temperature on the read-out. Use the up or down buttons to adjust the target temperature.

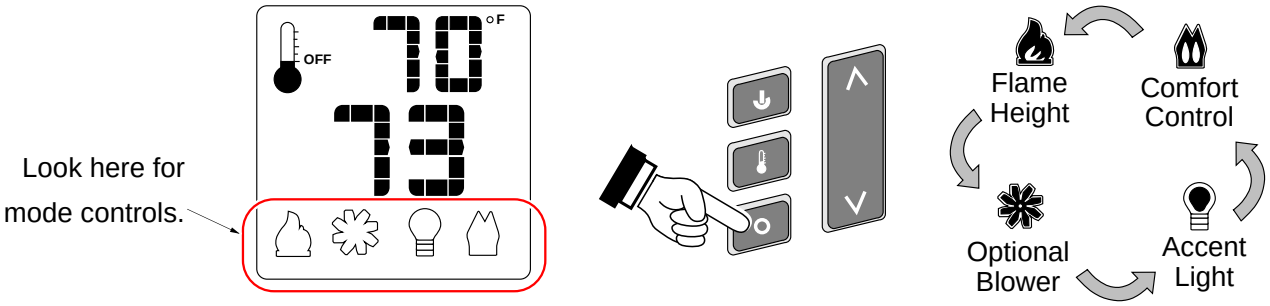


NOTE: If the transmitter batteries go dead while in thermostat setting (standard or smart), the appliance will shut off after approximately 24 hours.

Mode Controls (Flame, Blower, Light, Comfort Control)

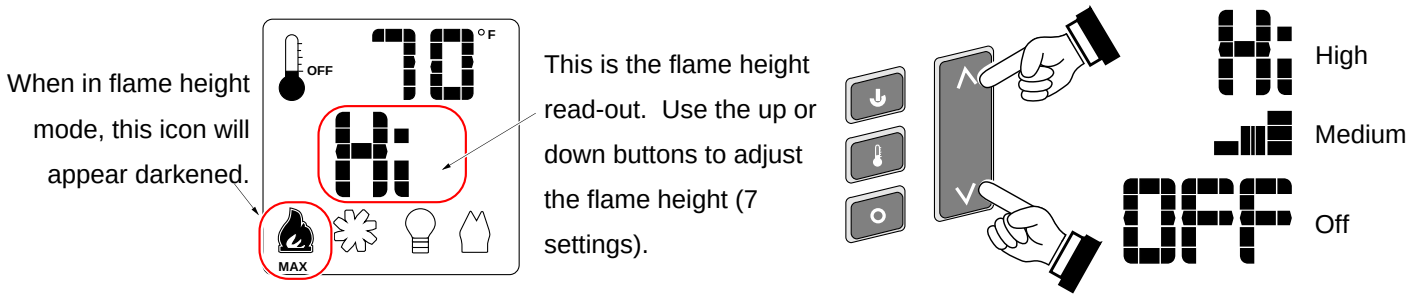
Use the mode button to cycle through the four mode controls (see illustration below).

Press the mode button to cycle through the mode settings.



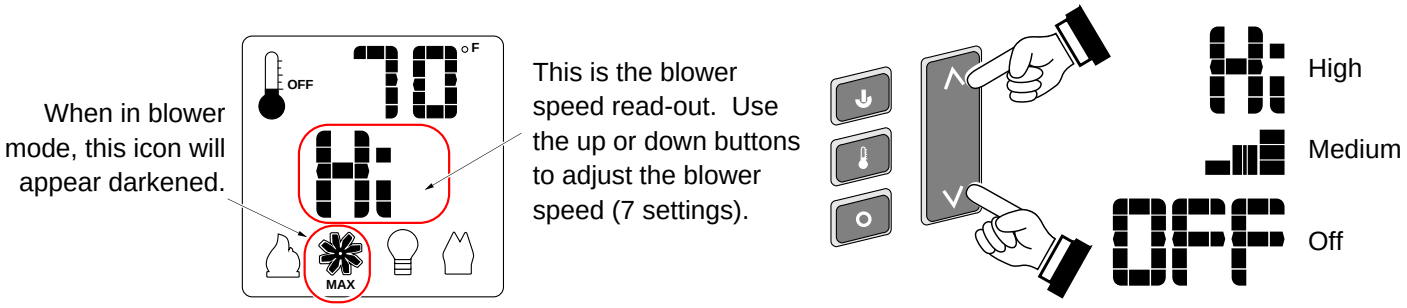
Flame Height

Flame height may be controlled using the UP and DOWN buttons when in Flame Height Mode (see illustration below). The center display will display the 7 settings, from "OFF" to "HI" for full on.
NOTE: Flame height may not be adjusted if operating in Smart Thermostat setting.



Blower Speed

The blower may be controlled using the up and down buttons when in Blower Speed Mode (see illustration below). The center display will display the 7 settings, from "OFF" to "HI" for full on.



MANUAL MODE – BLOWER OPERATION

When in Manual Mode the blower will remain on, even if the burner is turned off and the heater cools.

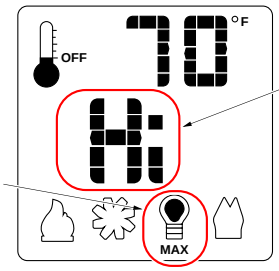
Either manually turn the blower off, or turn off the heater by pressing the On/Off button.

Mode Controls - continued

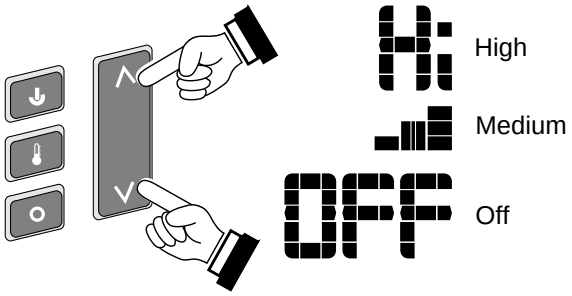
Accent Light

The Accent Light (night light) inside the heater may be turned on and off using the up and down buttons when in Accent Light Mode (see illustration below). The center display will display the 7 settings, from "OFF" to "HI" for full on.

When in accent light mode, this icon will appear darkened.



This is the accent light read-out. Use the up or down buttons to adjust the accent light brightness (7 settings).

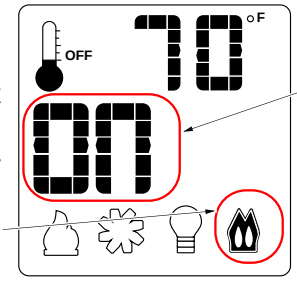


HINT: If you wish to leave the accent light on while turning the burner off, adjust the Flame Height to "OFF" (see above).

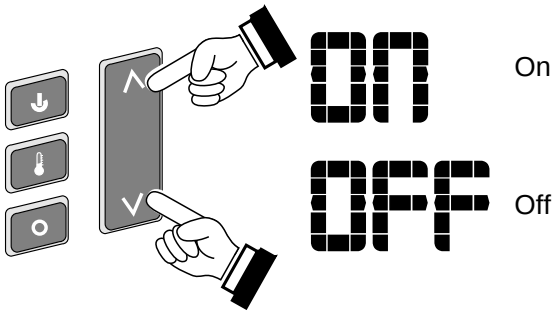
Comfort Control (rear burner)

The comfort control (rear burner) may be turned on and off using the up and down buttons when in Comfort Control Mode (see illustration below). The center display will display either "ON" or "OFF".

When in comfort control mode, this icon will appear darkened.

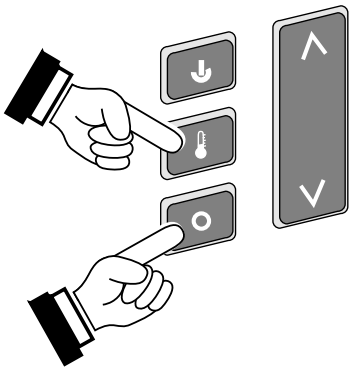


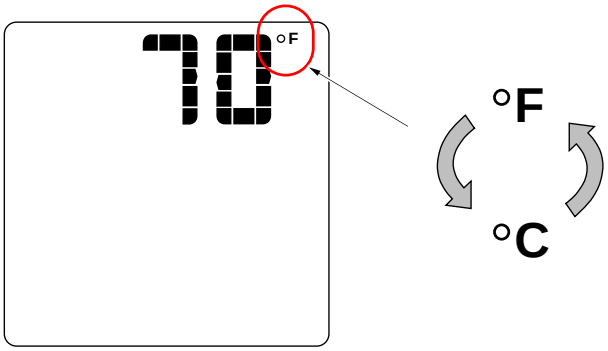
This is the comfort control read-out. Use the up button to turn on, down button to turn off (2 settings).



Display Fahrenheit or Celsius

- With the system in the "OFF" position, press both the MODE and THERMOSTAT buttons simultaneously to toggle between Fahrenheit (F) and Celsius (C).

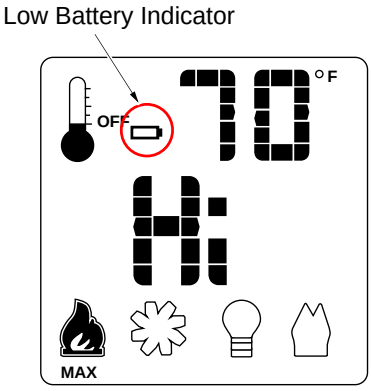




Low Battery Indicator

Transmitter Batteries

The transmitter has a battery-level indicator. When it indicates low battery voltage (see illustration below), install three new AAA alkaline batteries into the transmitter (see “Transmitter Battery Installation” on page 42).



IFC Batteries

The IFC (Integrated Fireplace Control) will “beep” twice when a transmitter button is pressed when the batteries are low. Install four new AA alkaline batteries into the battery box when this occurs (see “Battery Installation” on page 42). In applications where the appliance is required to provide heat, we recommend replacing the batteries before each heating season.

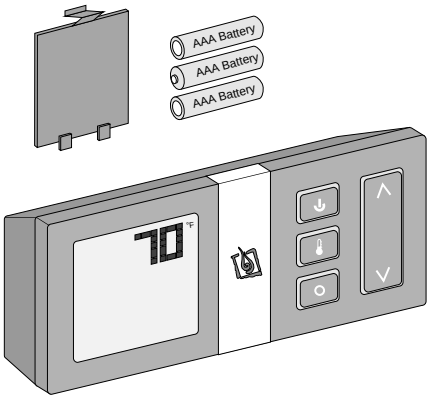
Battery Replacement

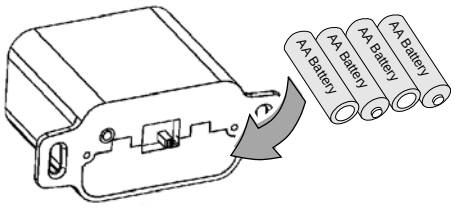
Battery Installation

Install four AA batteries into the battery holder (see illustration below). These batteries act as a power backup in case the household (AC) current goes out.

Transmitter Battery Installation

Install the three included AAA batteries into the remote.





Power Outages

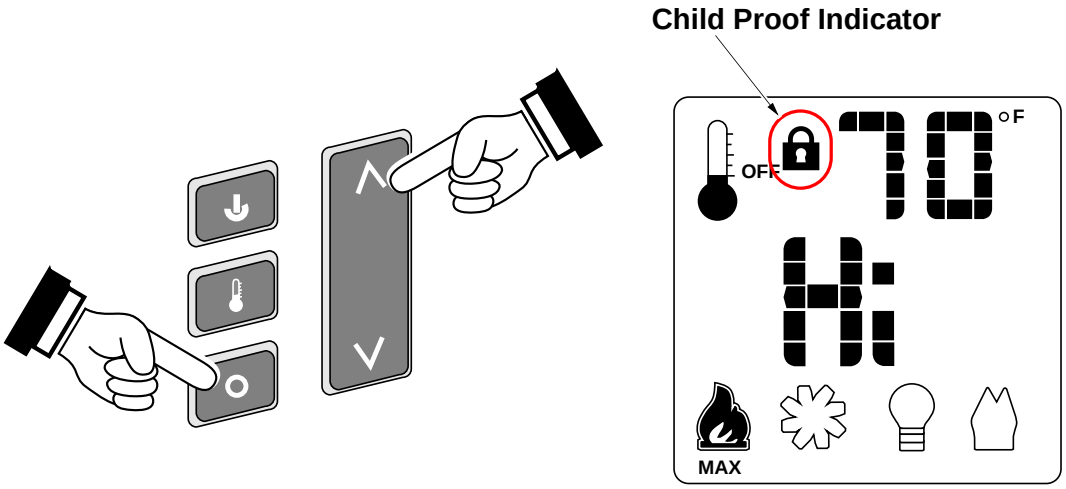
The remote will work if household current (AC power) is disconnected. The batteries inside the battery box will continue to power the heater but the accent light and blower will not operate.

Child-Proof Feature

The child proof feature disables the control buttons, preventing un-wanted use of the remote.

- Press both the MODE and UP buttons simultaneously to turn this feature on and off (see illustration below).

HINT: This feature is especially useful while using the thermostat setting.



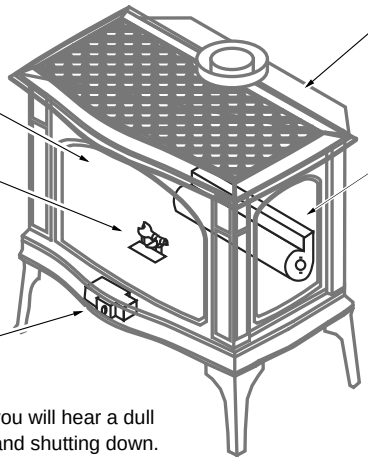
Normal Operating Sounds

Extinction Pops
It is not unusual, especially on Propane (LP) appliances, to experience a "pop" when the burner is shut off.

The appliance may creak with change of temperature -- THIS IS NORMAL.

Pilot Flame
The pilot flame will make a clicking sound when starting up. When on, it will make a slight whisper sound.

Blowers
This heater uses blowers to push heated air into the room. You will hear the sound of air movement increase as the speed of the blower is increased.



Gas Control Valve
As the gas control valve is turned on and off you will hear a dull clicking sound. This is the valve opening up and shutting down.

Normal Operating Odors

This appliance has several areas that reach high temperatures. Dust or other particles on these areas may burn and create an odor. This is normal during start-up. You may notice the smell is more acute if the appliance was left idle for a long period.

44 Maintenance (for qualified service personnel only)

DANGER HIGH VOLTAGE: Disconnect power before attempting maintenance or repair.

Maintaining Your Stove's Appearance

Painted Surfaces

- Painted surfaces should be cleaned with a duster. If scratches occur, lightly sand the area with fine sandpaper. Clean the area and, with the stove cool, apply one or two thin coats of stove paint to the area (mask the area to avoid overspray). Allow the stove to dry, then turn the stove on to cure the paint (1 hour on medium).

Enamel Surfaces

- Use only soft cloth and water to clean enamel surfaces. To fix chips in the enamel, follow the directions below:
  1) Let the stove cool. Clean the area thoroughly.
  2) Shake the Travis Enamel Touch-Up thoroughly. Apply to the damaged area.

Patina Surfaces

- The patina finish is a "living" color and will age and antique over time. Some portions of the finish may become slightly dull in appearance, especially over the top where it becomes hot. This is normal. The only cleaning we recommend is a light dusting when the appliance is cool.

  DO NOT USE ANY LIQUID, CLEANER, OR ABRASIVES ON THIS FINISH.

Front Glass

- Clean the glass with soap and water (do not use abrasive cleaners). Glass removal instructions are on page 28.

Side Glass

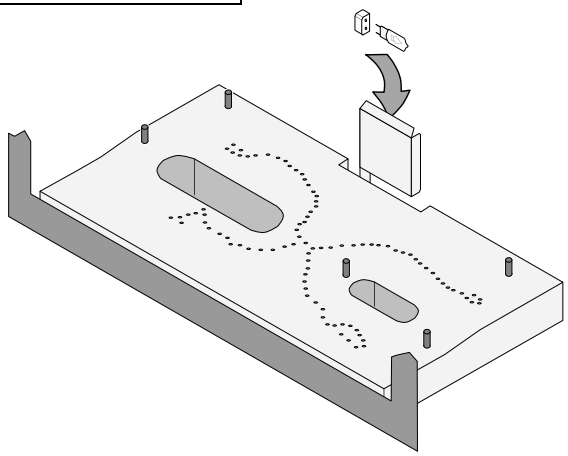
- The interior of the side glass is cleaned by removing the front glass (page 28) and cleaning the glass from the inside (use soap and water – do not use abrasive cleaners). The exterior of the side glass may be cleaned with compressed air.

Accent Light Replacement

An accent light is included in your stove to provide additional lighting. This bulb will burn out over time. To replace, follow the directions below:

- Shut off gas to the stove and let it cool for 15 minutes.
- Remove the glass (see page 28) and logs (see page 30).
- Replace the halogen bulb with the following bulb:
  NOTE: .Take care to not touch the bulb with your fingers – use foam packing or paper towel to hold the bulb.

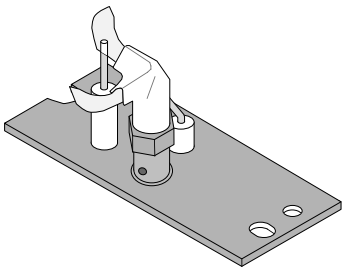
35 Watt 120 Volt T4 Halogen Bulb (GY6.35 Base)



Yearly Service Procedure

- Failure to inspect and maintain the stove may lead to improper combustion and a potentially dangerous situation. We recommend the following procedures be done by a qualified technician.

1. Turn the pilot flame to continuous. It should touch approximately 3/8" of the top of the flame sensor. If it does not, contact your dealer for service.
2. Shut off gas to the stove and let it cool for 15 minutes. Remove the glass (see page 28).
3. Remove the log set (**NOTE: The logs are very fragile -** see page 30). If severely deteriorated, replace. Check the logs for sooting. A small amount of soot along the bottom of the logs is normal. If excessive sooting is found, the stove will require adjustment. Contact your dealer.



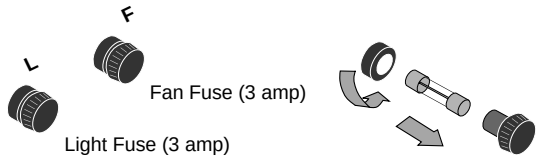
4. Inspect the burner and remove any debris.
   - Make sure the burner is not warped, cracked, or damaged.
   - Check the firebox and area around the pilot to make sure there is no warping or damage.
   - If any problem is found, discontinue use and contact your dealer for service.
5. Install the log set. Clean and replace the glass. If the glass is damaged, replace. Make sure the gasket along the perimeter of the glass contacts the face of the firebox and forms an air-tight seal. If it does not, re-align or replace the gasket to insure an air-tight seal.
6. Inspect the area behind the access door. Clean if necessary. Check the gas control valve and the gas lines. If damage is found, discontinue use and contact your dealer for service. Clean the air channels, ducts, and blower (if applicable).
7. Start the main burner. After 15 minutes the flames should be orange/yellow and not touch the top of the firebox. If the pilot or main burners do not burn correctly, contact your dealer for service. Monitor blower operation.
8. Remove any debris or vegetation near the vent termination. Contact your dealer if any sooting or deterioration is found near the vent termination.

Troubleshooting Table

Problem:	Possible Cause:	Don't Call for Service Until You:
Burner Will Not Start	The battery box switch is turned to "OFF"	Turn the battery box switch to "ON".
	The remote control is not working correctly	See the remote control instructions.
	The thermostat is disconnected or set too low	See "Thermostat Operation".
	No propane in tank	Check Tank Level.
Appliance Beeps	Heater beeps once: The heater beeps once whenever a button on the remote is pressed	THIS IS NORMAL
	Heater beeps twice: The heater beeps twice whenever a button on the remote is pressed	The power backup batteries are low. Replace the 4 AA batteries in the battery box (see page 42).
Thermostat Does Not Work	The battery box switch is turned to "OFF" or "ON"	Turn the battery box switch to "REMOTE".
	The thermostat is set too low	Check thermostat.
Blower Does Not Work	The stove is not getting electricity	Check the breaker switch.
	The stove is not up to temperature	Let the stove burn for 10 minutes.
	The blower fuse may be blown	Replace the fuse. See fuse location below.
Stove Will Not Distribute Heat	The stove is not getting electricity	Check the breaker switch.
	The stove is not up to temperature	Let the stove burn for at least 15 minutes.
Flames Are Too Blue	The stove has just been started	This is normal - see "Starting the Stove for the First Time".
	Improper air shutter adjustment	Adjust Air Shutter - contact your dealer.
Flames Are Too Short (Under 6")	The flame height may be turned too low	Turn the flame height to "HI" - See "Adjusting the Flame Height".
Thin Layer of Soot Covers the Glass	Log set is placed incorrectly	See page 30.
	Improper air shutter adjustment	Adjust air shutter - contact your dealer.
Accent Lights Do Not Work	The bulb may be burned out.	See "Accent Light Replacement" page 45.
	The accent light fuse may be blown.	Replace the fuse. See fuse location below.

Location of Fuses

The two 3 amp fuses are under the concealment cover (see page 36).



Replacement Parts List

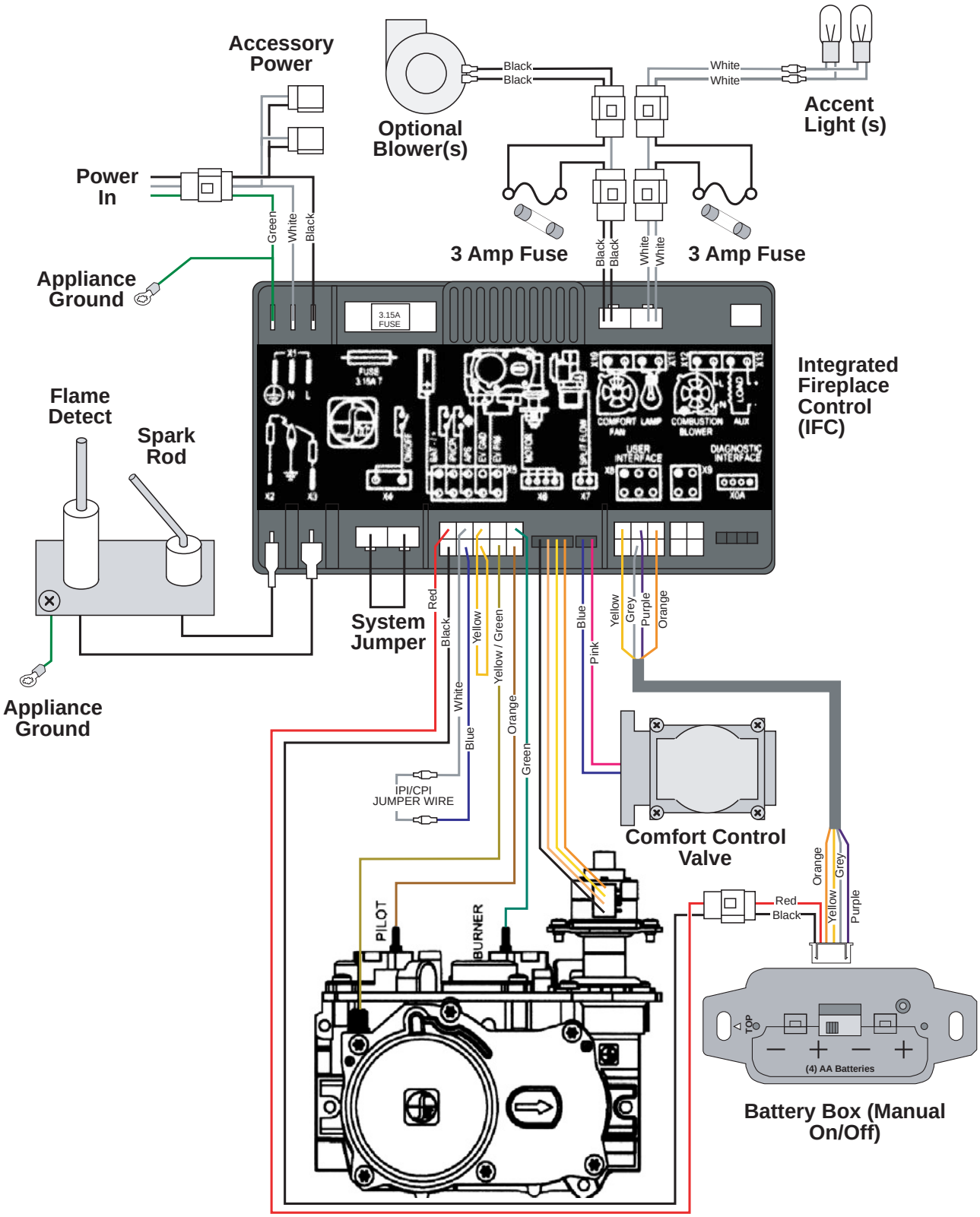
Caution: Use only Travis Industries replacement parts. Do not use substitute materials.

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.

Contact your local Travis Industries Dealer for a Replacement Parts List

Wiring Diagram

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



Safety Label

The safety (listing) label is on the back of the stove. A copy is shown below.

Intertek
Report No. 10145796ZPRT-001
Control No. 4000515

Northfield GS2
Vented Gas
Fireplace Heater

Minimum Clearances to Combustibles

Stove Top to Sidewall	3.5" (89 mm)	Alcove Minimum Height	38.125" (968 mm)
Stove Top to Backwall	5" (127 mm)	Alcove Maximum Height	24" (610 mm)
Stove Top to Cornerwall	1" (26 mm)	Alcove Minimum Width	28.25" (718 mm)

FAN TYPE VENTED CIRCULATOR
Blower Electrical Rating: 115V, 1.5 Amps, 60 Hz.
Part No. 9900142 fan or blower assembly may be used
DANGER! Risk of Electric Shock. Disconnect power before servicing unit.

	L.P.	N.G.		L.P.	N.G.
Input Rate on "HI" (BTU/Hr)	22,000	22,000	Minimum Inlet Pressure (inches W.C.)	11"	5.5"
Input Rate on "LO" (BTU/Hr)	6,300	6,700	Maximum Inlet Pressure (inches W.C.)	13"	7"
Orifice Size - Front (DMS)	#64	#54	Manifold Pressure on "HI" (inches W.C.)	11"	3.5"
Orifice Size - Rear (DMS)	#58	#52			

This appliance is equipped for use only at altitudes 0-2,000 feet (0-610m) in the USA. In Canada, 0-4,500 feet (0-1370m).
For altitudes above 2,000 feet, the vent configuration, orifice, or combination of both may need to be changed.
See owner's manual for information on making these changes.

MANUFACTURE DATE:

☐ 2014 ☐ Jan. ☐ Apr. ☐ Jul. ☐ Oct.
☐ 2015 ☐ Feb. ☐ May ☐ Aug. ☐ Nov.
☐ 2016 ☐ Mar. ☐ Jun. ☐ Sep. ☐ Dec.

Manufactured by:
TRAVIS INDUSTRIES
HOUSE OF FIRE
12521 Harbour Reach Drive
Mukilteo, WA 98275
www.travisproducts.com

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

0940

Tested to: ANSI Z21.88-2014/CSA 2.33-2014 "Vented Gas Fireplace Heater", CG 7-M91 (R2009) "Gas Burning Heating Appliances for Manufactured Homes", and CSA P.4.1-09 Testing meth r measuring annual fireplace efficiency.

This appliance must be installed in accordance with local codes, if any; if nc follow the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or Natural Gas and Propane Installation Codes, C i149.1.

This appliance must be installed in accordance with the current Standard CAI A Z240 MH, Mobile Housing, in Canada or with the Manufactured Home Constructions and Safety Standar tle 24 CFR, Part 3280, in the United States, or when such a standard is not applicable, ANSI/NCSBCS A225.1 'A 501A, Manufactured Home Installation Standard.

This vented gas fireplace heater is equipped at the factory for use with natural { If conversion to propane (LP) is desired, the optional factory conversion kit must be used. Part No. 250-0142. . .gister kit may be used.

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

This vented gas fireplace heater is not for use with air filters.

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

This appliance must be properly connected to a venting system in accordance with the manufacturer's installation instructions. Use only approved coaxial direct vent system to vent this appliance to the exterior. See owner's manual for approved brands of venting.

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

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

VENTED GAS FIREPLACE HEATER - NOT FOR USE WITH SOLID FUEL

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

Warranty

Register your TRAVIS INDUSTRIES, INC. Limited 7 Year Warranty online at **traviswarranty.com**, or complete the enclosed Warranty card and mail it within **ten (10)** days of the appliance purchase date to: TRAVIS INDUSTRIES, INC., 12521 Harbour Reach Drive, Mukilteo, WA 98275. TRAVIS INDUSTRIES, INC. warrants this gas appliance (appliance is defined as the equipment manufactured by Travis Industries, Inc.) to be defect-free in material and workmanship to the original purchaser from the date of purchase as follows:

Check with your dealer in advance for any costs to you when arranging a warranty call.
Mileage or service charges are not covered by this warranty. This charge can vary from store to store.

Component	Years 1 & 2 Parts & Labor	Years 3 Through 5 Parts & Labor	Years 6 & 7 Parts Only
Burner Assembly Burner Pan Assembly, Air Shutter Assembly, Main Burner Orifice	✓		
Electrical Assembly (within heater structure): Wiring harness, snap discs, rheostat speed control	✓		
Gas Control Assembly Adjustable control valve, stove controller, pilot assembly and pilot wiring	✓		
Glass Glass (breakage from thermal shock)	✓		
Ceramic Logs Log Set, Embers	✓		
Gold, Nickel & Copper Plating Face & Door (see "Conditions and Exclusions" # 9)	✓		
Enamel Finish Warranted against peeling or fading, excluding chipping, mechanical abrasion, or crazing.	✓		
Accessories Firebacks, Power Heat Ducts, Andirons, etc…	✓		
One-Way Freight Allowance One-way freight allowance on pre-authorized repair done at factory is covered.	✓	✓	
Convection Heat Exchanger Convection heat exchanger assembly	✓	✓	
Firebox Assembly Adjustable Air Restrictor, Pressure Relief Mechanisms, Glass Attachment Mechanism	✓	✓	✓

EXCLUDED COMPONENTS:

Paint, Gasketing, and Accent Light Bulbs

CONDITIONS & EXCLUSIONS

1. This new gas appliance must be installed by a qualified gas appliance technician. It must be installed, operated, and maintained at all times in accordance with the instructions in the Owner's Manual. Any alteration, willful abuse, accident, neglect, or misuse of the product shall nullify this warranty.
2. This warranty is nontransferable, and is made to the ORIGINAL purchaser, provided that the purchase was made through an authorized TRAVIS dealer.
3. Discoloration and some minor expansion, contraction, or movement of certain parts and resulting noise, is normal and not a defect and, therefore, not covered under warranty. The installer must ensure the appliance is burning as per the rating tag at the time of installation. Over-firing (operation above the listed BTU rate) of this appliance can cause serious damage and will nullify this warranty.
4. The warranty, as outlined within this document, does not apply to the chimney components or other Non-Travis accessories used in conjunction with the installation of this product. If in doubt as to the extent of this warranty, contact your authorized TRAVIS retailer before installation.
5. Travis Industries will not be responsible for inadequate performance caused by environmental conditions such as nearby trees, buildings, roof tops, wind, hills or mountains or negative pressure or other influences from mechanical systems such as furnaces, fans, clothes dryers, etc.
6. This Warranty is void if:

a. The unit has been operated in atmospheres contaminated by chlorine, fluorine or other damaging chemicals.
b. The unit is subject to submersion in water or prolonged periods of dampness or condensation.
c. Any damage to the unit, combustion chamber, heat exchanger or other components due to water, or weather damage which is the result of, but not limited to, improper chimney/venting installation.

7. Exclusions to this 7 Year Warranty include: injury, loss of use, damage, failure to function due to accident, negligence, misuse, improper installation, alteration or adjustment of the manufacturer's settings of components, lack of proper and regular maintenance, damage incurred while the appliance is in transit, alteration, or act of God.
8. This 7 Year warranty excludes damage caused by normal wear and tear, such as paint discoloration or chipping, worn or torn gasketing, corroded or cracked logs, embers, etc. Also excluded is damage to the unit caused by abuse, improper installation, modification of the unit, drilling of the orifices, or the use of fuel other than that for which the unit is configured. Units are shipped for natural gas and must be converted to propane using the included conversion kit. Confirm fuel configuration with your installer.
9. Damage to gold or nickel surfaces caused by fingerprints, scratches, melted items-, or other external sources left on the gold or nickel from the use of cleaners other than denatured alcohol is not covered in this warranty.
10. TRAVIS INDUSTRIES, INC. is free of liability for any damages caused by the appliance, as well as inconvenience expenses and materials. Incidental or consequential damages are not covered by this warranty. In some states, the exclusion of incidental or consequential damage may not apply.
11. This warranty does not cover any loss or damage incurred by the use or removal of any component or apparatus to or from the gas appliance without the express written permission of TRAVIS INDUSTRIES, INC. and bearing a TRAVIS INDUSTRIES, INC. label of approval.
12. Any statement or representation of TRAVIS products and their performance contained in TRAVIS advertising, packaging literature, or printed material is not part of this 7 year warranty.
13. This warranty is automatically voided if the appliance's serial number has been removed or altered in any way. If the appliance is used for commercial purposes, it is excluded from this warranty.
14. No dealer, distributor, or similar person has the authority to represent or warrant TRAVIS products beyond the terms contained within this warranty. TRAVIS INDUSTRIES, INC. assumes no liability for such warranties or representations.
15. Travis Industries will not cover the cost of the removal or re-installation of hearths, facing, mantels, venting or other components.
16. If for any reason any section of this warranty is declared invalid, the balance of the warranty remains in effect and all other clauses shall remain in effect.
17. THIS 7 YEAR WARRANTY IS THE ONLY WARRANTY SUPPLIED BY TRAVIS INDUSTRIES, INC., THE MANUFACTURER OF THE APPLIANCE. ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, ARE HEREBY EXPRESSLY DISCLAIMED AND PURCHASER'S RECOURSE IS EXPRESSLY LIMITED TO THE WARRANTIES SET FORTH HEREIN.

IF WARRANTY SERVICE IS NEEDED:

1. If you discover a problem that you believe is covered by this warranty, you MUST REPORT it to your TRAVIS dealer WITHIN 30 DAYS, giving them proof of purchase, the purchase date, and the model name and serial number.
2. Travis Industries has the option of either repairing or replacing the defective component.
3. If your dealer is unable to repair your appliance's defect, he may process a warranty claim through TRAVIS INDUSTRIES, INC., including the name of the dealership where you purchased the appliance, a copy of your receipt showing the date of the appliance's purchase, and the serial number on your appliance. At that time, you may be asked to ship your appliance, freight charges prepaid, to TRAVIS INDUSTRIES, INC. TRAVIS INDUSTRIES, INC., at its option, will repair or replace, free of charge, your TRAVIS appliance if it is found to be defective in material or workmanship within the time frame stated within this 7 year warranty. TRAVIS INDUSTRIES, INC. will return your appliance, freight charges (years 1 to 5) prepaid by TRAVIS INDUSTRIES, INC., to your regional distributor, or dealership.
4. Check with your dealer in advance for any costs to you when arranging a warranty call. Mileage or service charges are not covered by this warranty. This charge can vary from store to store.

50 Optional Equipment (for qualified installers only)

LP Conversion Instructions

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

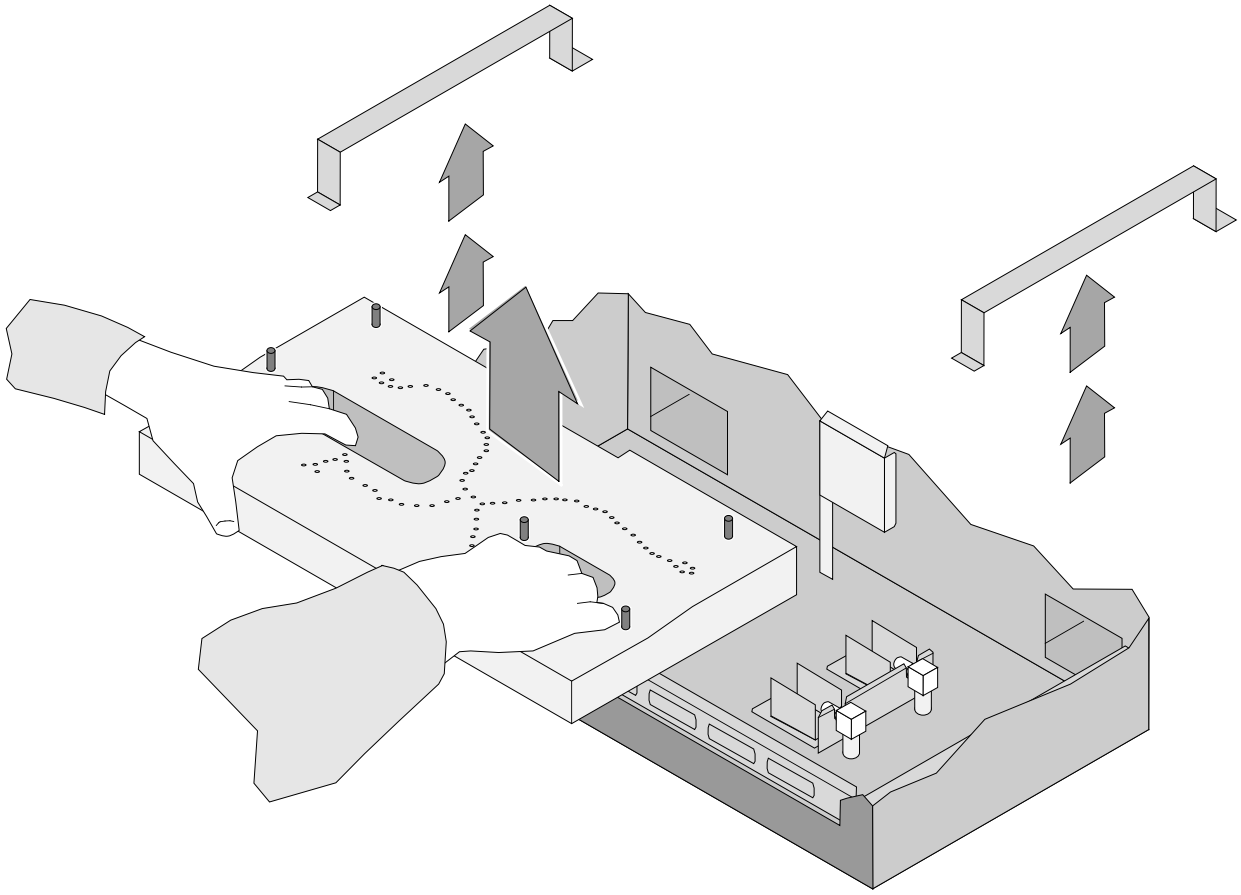
WARNING

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.

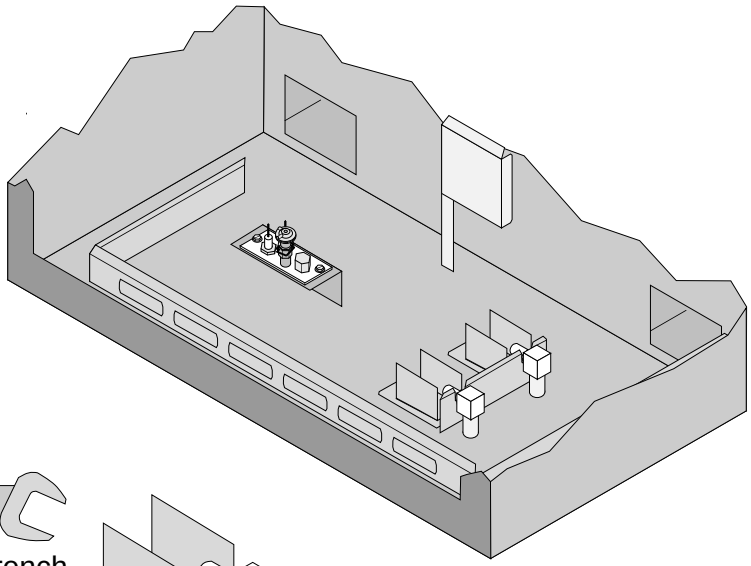
Install the conversion kit prior to installing the gas line to ensure proper gas use.

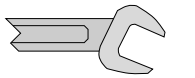
1 Remove the glass (see page 28). Remove the logs and embers (if installed - page 30).

2 Remove the burner (see below). Grasp the burner with both hands and lift it straight up and out of the firebox.



3 Follow the directions below to replace the orifices.





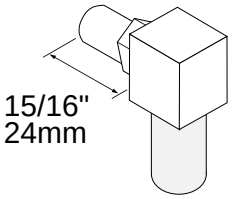
1/2" Wrench

Rear Burner Orifice

Front Burner Orifice

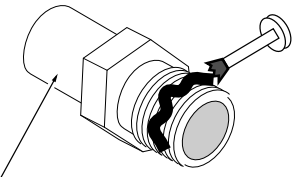
ⓐ Use a 1/2" open end wrench to unscrew the two orifices.

ⓒ Screw each LP orifice in so the orifice protrudes 15/16" (24mm) (indicating full insertion).



15/16"
24mm

ⓑ Apply thread sealant to the LP orifices prior to installation. Use the chart below to identify the correct orifices.



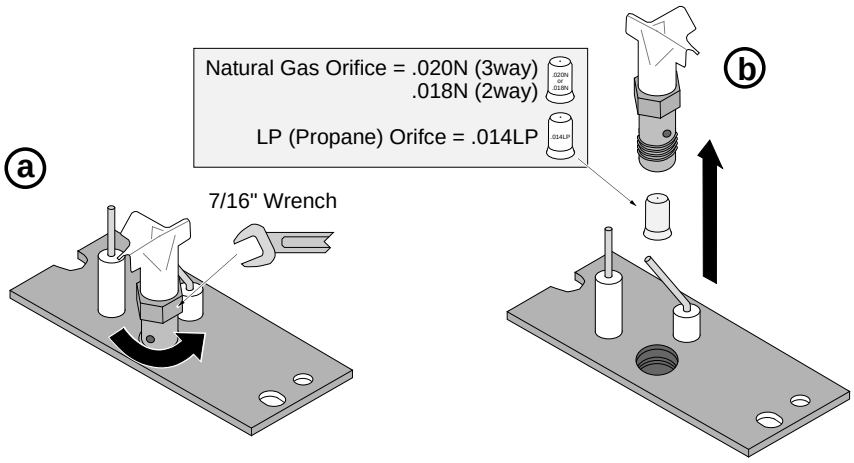
Look here for the orifice identification

	NG	LP
Front	#54	#64
Rear	#52	#58

4 Install the LP pilot orifice following the instructions below.

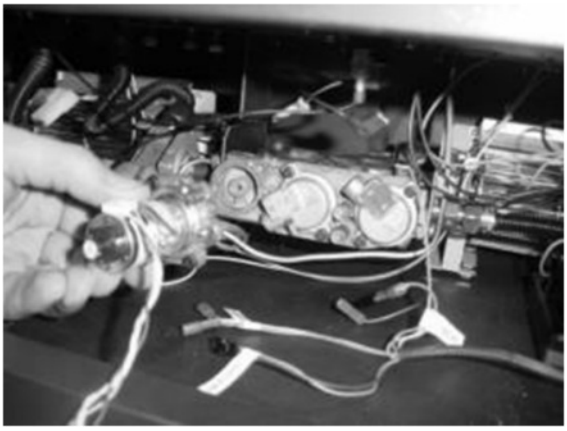
(a) Use a 7/16" open-end wrench to remove the pilot hood.

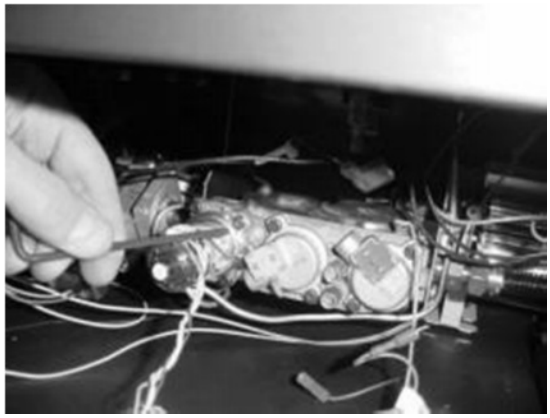
(b) Remove and discard the Natural Gas (NG) orifice. Place the LP orifice in the pilot assembly then replace the pilot hood, tightening the pilot hood until it is snug (do not over-tighten).



5 **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 pictures below) – **MAKE SURE IT IS CORRECTLY ORIENTED**. Secure using the screws included with the motor – tighten to 25 Lb-inches. Leak test this area after installation to verify proper installation.





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.

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