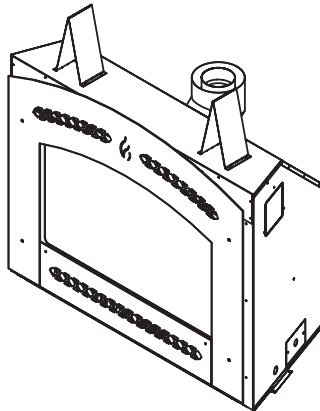




QUADRA-FIRE

North America's Best

QFP 30 DIRECT VENT GAS FIREPLACE



Installation, Venting, Operation & Maintenance Manual

SAVE THESE INSTRUCTIONS

WARNING!

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

FOR YOUR SAFETY

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 electric switch. Do not use any telephone in your building.

Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.

If you cannot reach your gas supplier, call the fire department.

Installation and service must be performed by a qualified installer, service agency, or the gas supplier.

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

This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

Prior to first fire: Clean gold surfaces with a glass cleanser and soft cloth to prevent staining from fingerprint oils.



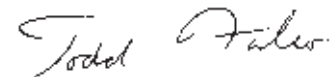
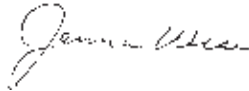
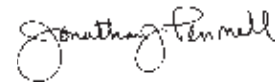
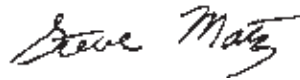
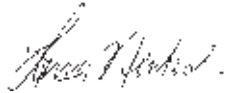

CONGRATULATIONS!

ALADDIN HEARTH PRODUCTS welcomes you to our tradition of excellence! In choosing a **Quadra-Fire** appliance, you have our assurance of commitment to quality, durability, and performance.

This commitment begins with our research of the market, including 'Voice of the Customer' contacts, ensuring we make products that will satisfy your needs. Our Research and Development facility then employs the world's most advanced technology to achieve the optimum operation of our stoves, inserts and fireplaces. And yet we are old-fashioned when it comes to craftsmanship. During manufacturing each unit is meticulously fabricated and gold surfaces are hand-finished for lasting beauty and enjoyment. Our pledge to quality is completed as each model undergoes a quality control inspection. Additionally, we feel it is important to offer you several finishing options and accessories to compliment your home's décor, individualize the use of your appliance, and provide financial options in acquiring a quality hearth appliance. Ask your **Quadra-Fire** Dealer for information on these options. From design, to fabrication, to shipping: Our guarantee of quality is more than a word, it's **Quadra-Fire** tradition, and we proudly back this tradition with a **Lifetime Warranty**.

Prior to installation, we ask you to take a few moments to read this manual. It has been our experience that your overall enjoyment of your new appliance will be greatly enhanced by becoming familiar with its' installation, operation and maintenance requirements. We wish you and your family many years of enjoyment in the warmth and comfort of your hearth appliance. **Thank you** for choosing **Quadra-Fire**.

With warm regards,



WELCOME

CUSTOMER NOTES

MODEL NAME

SERIAL NUMBER

DATE PURCHASED

After completing your warranty card, attach receipt and warranty stub here.

DEALERSHIP WHERE PURCHASED

DEALER PHONE

ADDITIONAL INFORMATION REGARDING THE INSTALLATION OF YOUR FIREPLACE:

CUSTOMER NOTES

CONTENTS

SAFETY & CLEARANCES:

Ratings Plate.....5
 Clearances & Safety Label.....6
 Clearances.....7
 Safety Notices.....8
 Main Burner Operation.....8
 Gas Buildup Prevention Feature.....8

SPECIFICATIONS:

Heating Specifications.....9
 ZC Appliance Dimensions.....9
 Minimum Cabinet Dimensions.....9

INSTALLATION PREPARATION:

Installation Terminology.....9
 Preparation.....10
 Overview of Installation to Operation.....10
 LP Conversion Instructions.....11

INSTALLATION:

Minimum Framing Dimensions.....13
 Corner Installations.....13
 Raised Fireplaces.....13
 Hearth Requirements.....14
 Mantel Requirements.....14
 Arched Fascia Dimensions.....15
 Acid Wash Alert.....15
 Facing Requirements.....15
 Facing Over 1" Thick.....15

VENTING INSTRUCTIONS:

General Venting Instructions.....16
 Simpson Dura-Vent Parts List & Kits.....16
 Venting Installation Options & Guidelines.....17
 Vertical Termination Rule.....17
 Termination Cap Requirements.....17
 Venting Installation Examples:
 Horizontal.....17
 Vertical.....17
 Class A Metal Chimney.....18
 Masonry Chimney.....18
 Vent Graph & Usage.....19
 Horizontal Termination Requirements.....20
 Horizontal Installation Instructions.....20
 Vertical Installation Instructions.....22
 Using GS Pipe.....22
 Roof Pitch Table.....23
 Cathedral Ceiling.....25
 Class A Metal.....26
 Existing Masonry.....27

COMPLETING INSTALLATION:

Gas Line Requirements.....29
 Gas Inlet Pressure.....29
 Fuel.....29
 Electrical Connection.....29
 Optional Thermostat Connection.....29

Brick Installation.....30
 Logset , Lava Rock & Ember Installation.....31
 Glass Installation.....32
 Fascia Installation.....32
 Leak Test.....33

START-UP & ADJUSTMENTS:

Initial Start-up/Normal Occurrences.....33
 Lighting Instructions.....34
 Shutter Adjustment.....35
 Damper Adjustment.....35
 Flame Height Adjustment.....35
 Adjusting Blower Speed.....35
 Normal Operating Sounds.....35
 High Altitude Operation & Adjustment.....36

OPERATION:

Control Panel.....36

MAINTENANCE:

General Maintenance.....37
 Yearly Servicing.....37
 Glass Replacement & Cleaning.....38
 Blower Replacement.....38

TROUBLESHOOTING.....39

Electrical Schematic.....40

WARRANTY.....41

PARTS & ACCESSORIES.....42

EXPLODED VIEW.....43

HTZ-2000 Air Duct Kit Installation.....44

RATINGS

THIS INFORMATION IS LOCATED ON METAL HANG TAG TO RIGHT SIDE OF FIREPLACE CONTROL PANEL BENEATH FIREBOX.



SERIAL NO.



OMNI-Test Laboratories, Inc.
Report No. / Rapport Numero
061-S-28-5

MODEL: QUADRA-FIRE QFP 30

VENTED GAS FIREPLACE HEATER
NOT FOR USE WITH SOLID FUEL

FAN TYPE VENTED CIRCULATOR Blower Electrical Rating 115 V., 1.5 Amps, 60 Hz, 150 Watts
AFUE Thermal Efficiency 85%(NG & LP) (blower on)

APPROVED FOR CANADA AND USA TO:

ANSI Z21.88b-1999 / CSA 2.33b-M99 Vented Gas Fireplace Heaters, and applicable sections of UL307b Gas Burning Heating Appliances for Manufactured Homes and Recreational Vehicles, CAN/CGA 2.17-M91 "Gas Fired Appliances for use at High Altitudes."

This appliance is manufactured for operation with Natural Gas.

For conversion to propane Manufacturer's Part #844-9010 and instructions must be used. This vented gas fireplace heater is not for use with air filters.

This appliance may be installed in a bedroom or bedsitting room; in Canada remote

	For use with Natural Gas	For use with Propane
	0-4500'	0-4500'
Input Rate on "HI" (BTU/Hr)	30,000	30,000
Input Rate on "LO" (BTU/Hr)	21,000	23,000
Maximum Output (BTU/Hr)	25,500	25,500
Main Burner Orifice	#36	#52
Minimum Inlet Pressure (Inches W.C.)	4.5"	11"
Maximum Inlet Pressure (Inches W.C.)	7.0"	14"
Manifold Pressure on "HI" (Inches W.C.)	3.5"	10"

This appliance equipped for altitudes 0-2000' (0-610m) in USA; and in Canada for altitudes of 0-4500' (0-1370m). In USA for Altitudes above 2000', the vent configuration, orifice, or combination of both may need to be changed. See Owner's Manual for information on making these changes.

Date of Manufacture / Date du Manufacturier

2001	2002	2003	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DO NOT REMOVE THIS LABEL

250-6130

PLEASE NOTE: THE LP CONVERSION KIT IS INCLUDED WITH THE FIREPLACE.

RATINGS

CLEARANCES & SAFETY LABEL
THIS INFORMATION IS ALSO LOCATED ON A METAL HANG TAG TO THE RIGHT OF FIREPLACE

This appliance uses a millivolt-type control system consisting of a gas control valve/regulator, a standing pilot burner assembly, a thermopile, a piezo igniter, and the ON/OFF switch. THIS UNIT DOES NOT REQUIRE 110 VOLT POWER TO OPERATE. All exhaust gases must be vented outside the structure of the living area. Combustion air is drawn from outside the living area structure.

Install fireplace in accordance with all local codes, if any; if none, follow The National Fuel Gas Codes ANSI Z223.1-1992 and NFPA 54(88); or Canadian Installation Codes CAN/CGA-B149.

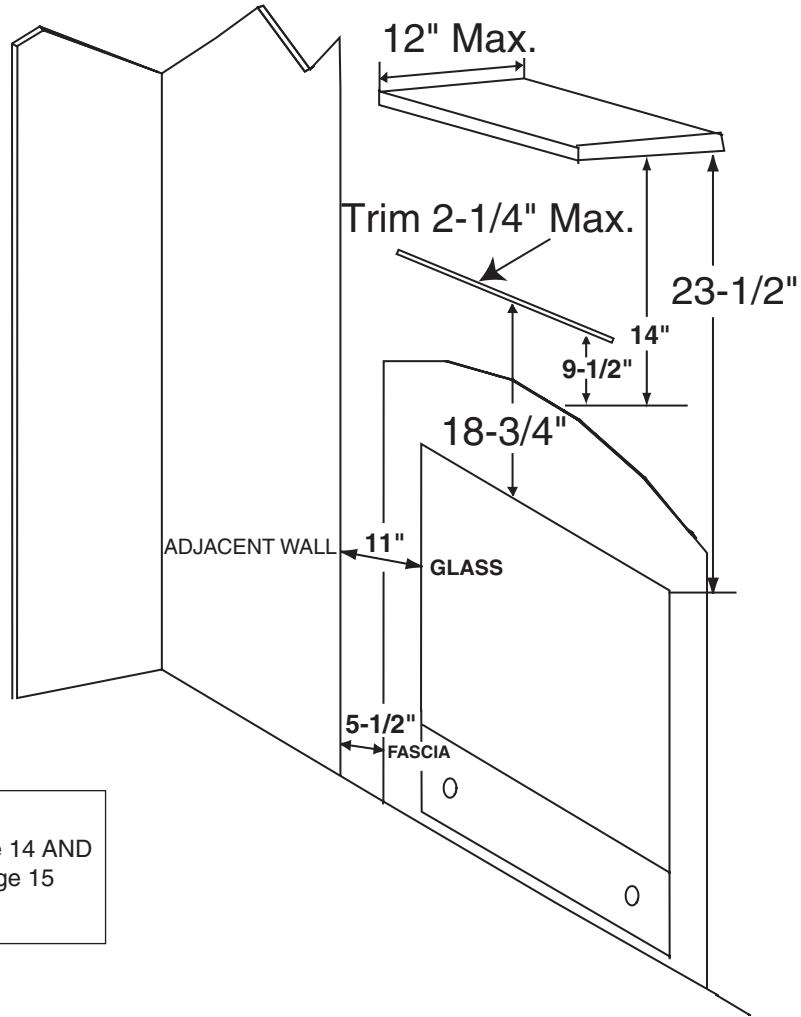
MANUFACTURED OR MOBILE HOME INSTALLATION: This appliance is only for use with the type of gas indicated on the rating plate and may be installed in an aftermarket, permanently located, manufactured (mobile) home where not prohibited by local codes. Installations must conform with: USA: Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280. CANADA: CSA Z240.4 and Gas Equipped Recreational Vehicles and Mobile Housing.

WARNINGS: This appliance should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required where excessive lint from material like carpeting and bedding is present. The control compartment, the burner compartment and all circulating air passageways of the appliance must be kept clean and clear at all times. Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies. This appliance must not be connected to a chimney flue servicing a separate solid fuel burning appliance. Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid flesh burns or clothing ignition. Young children should be carefully supervised at all times when they are in the same room as the appliance. CAUTION: All safety screen or guard components removed for servicing, must be replaced prior to operating the appliance. Clothing or other flammable material should not be placed on or near the appliance. Risk of electrical shock. Switch the household breaker off or remove fuse before servicing unit. Use Simpson DURA-VENT direct vent system (Model GS) to vent this appliance to the exterior (direct discharge only with duct connection.)

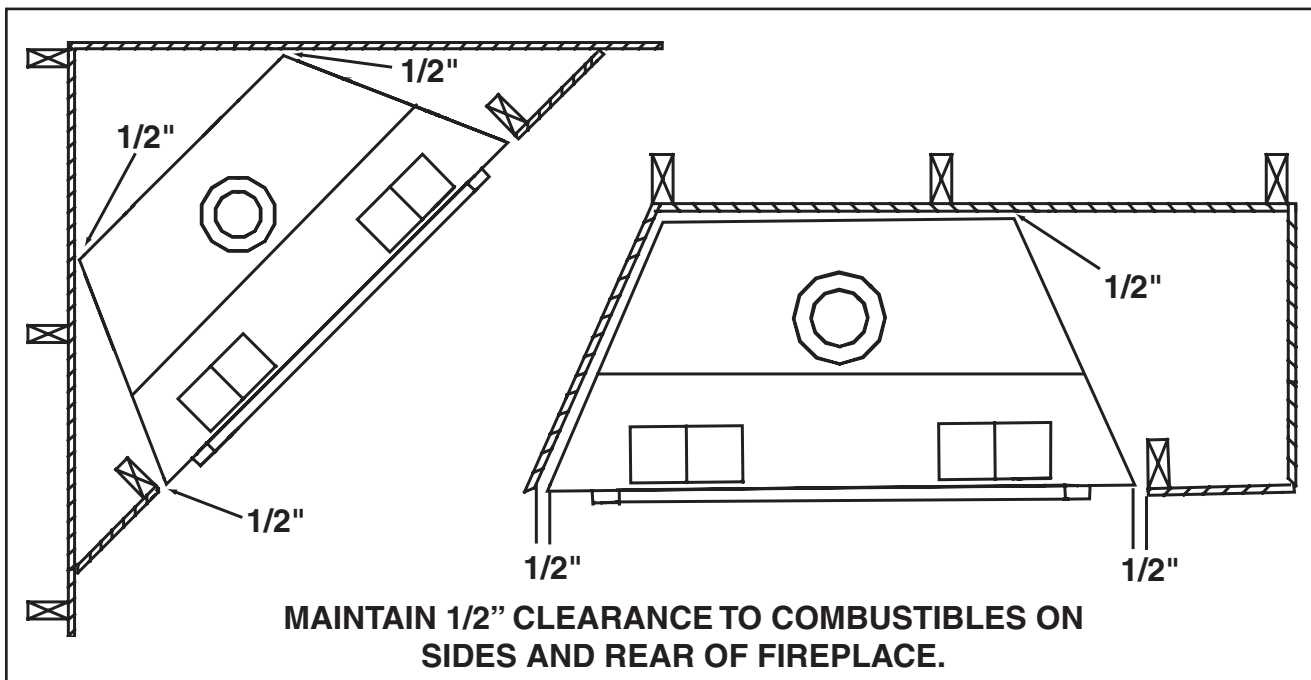
MINIMUM CLEARANCES TO COMBUSTIBLES

- To Adjacent Wall:
 - From glass edge.....11.0" (279mm)
 - From side of arched fascia.....5.5" (140mm)
 - Back to enclosure.....0.5" (13mm)
 - Top to enclosure.....0.0"
 - Sides to enclosure.....0.5" (13mm)
- To Mantel:
 - From top of glass edge.....23.5" (597mm)
 - From top of arched fascia.....14.0" (356mm)
- To maximum 2.25" top front facing:
 - From top of glass edge.....18.75" (476mm)
 - From arched fascia.....9.5" (241mm)
- Flue Vent:.....1.5" (38mm)
- Hearth Extension: Does not require hearth extension or non-combustible floor beneath appliance.

CLEARANCES TO COMBUSTIBLES



SEE ALSO:
Floor to Mantel Height Dimensions on Page 14 AND
Facing Dimension Requirements on Page 15



CLEARANCES TO COMBUSTIBLES

SAFETY NOTICES

Many of the components within this fireplace are designed specifically for safety purposes. It is therefore imperative that only certified gas service technicians install and service this fireplace.

Main Burner Operation:

A millivolt system controls the operation of this fireplace. The thermopile and thermocouple generate electricity when heated by the pilot flame. This electricity is used to operate the gas valve. Without enough electricity, the gas valve will not turn on. That is why when starting the pilot the gas control knob has to be pressed in long enough for the thermocouple to heat up and generate enough electricity. The thermopile provides power for the ON/OFF switch, remote control, or thermostat. Because the thermopile generates the electricity needed to turn the fireplace on and off, this fireplace can be operated when the power is out (although the blower will not run).

Gas Buildup Prevention Feature:

This appliance's utilization of a high-technology gas valve in conjunction with a pilot flame ensures that no gas builds up inside the firebox.

The thermocouple (next to the pilot) senses when the pilot flame is lit. If the pilot flame goes out, this thermocouple no longer generates electricity, causing the gas valve to automatically shut off all gas to the heater, preventing the pilot from spilling gas into the firebox.

- Strict adherence to the instructions in this manual must be followed. Improper installation will void the warranty and safety listing.
- This appliance is manufactured to operate on natural gas (NG). It is field convertible to propane (LP) with the manufacturer's conversion kit included with fireplace. Burning incorrect fuel voids the warranty and safety listing and may cause an extreme safety hazard.
- Contact local building officials to obtain a permit and information on installation restrictions or requirements in your locale. It is also important to notify your homeowner's insurance company of the installation of this appliance as well.
- Do not store or use gasoline or other flammable liquids in the vicinity of the appliance.
- If the flame becomes sooty, dark orange in color, or extremely tall, DO NOT operate the appliance. Contact your dealer and arrange for servicing immediately.
- DO NOT operate the appliance if it is not operating properly in any manner. Contact your dealer for assistance.
- DO NOT operate the appliance if any portion was submerged in water or if any corrosion occurs.
- Do not place clothing or other flammable items on or near the appliance at any time. Due to thermostatic control, the possibility exists for the appliance to turn on, igniting any items on or near it.
- Open viewing glass for servicing only.
- Operate the appliance in accordance with the instructions contained in this manual.
- If the main burners do not start correctly, turn the gas off at the gas control valve and contact your dealer for service.

- This unit is not for use with solid fuel. DO NOT place anything inside the firebox other than the brickset, logset, lava rock and mineral wool included with the fireplace.
- If the logs become damaged refer to Parts and Accessories page of this manual for replacement.
- Face surfaces can become extremely hot during operation. Instruct your family and guests of this danger and supervise young children when they are in the same room as the heater.
- Instruct everyone in the house how to shut the gas off to the appliance and also at the main gas shut-off valve. The gas main shut-off valve is usually next to the gas meter or propane tank and requires a wrench to shut off. The manual shut-off valve will be installed by your installer near the fireplace.
- Use the built-in piezo igniter to light the appliance. Do not use matches or any other external device.
- Allow the appliance to cool before carrying out any maintenance or cleaning.
- The pilot flame must contact the thermopile and thermocouple. If it does not, turn the gas control valve to "OFF" and call your Dealer.
- DO NOT away throw this manual. Important operating and maintenance instructions are included.
- **DO NOT remove, replace, modify or substitute any part of the appliance.**
- **Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.**
- **Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid burns or lothing ignition.**
- **Young children should be carefully supervised when they are in the same room as the appliance.**
- **Clothing or other flammable material should not be placed on or near the appliance.**
- **Any safety screen or guard 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 may 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.**
- **Only doors certified with the appliance shall be used.**

WARNING:

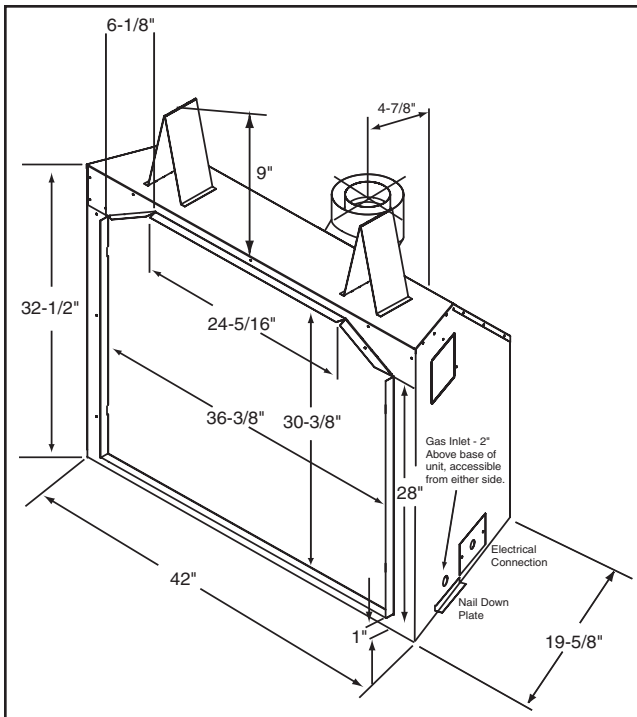
Do not operate appliance with the glass front removed, cracked or broken. Replacement of glass should be done by a licensed or qualified service person.

HEATING SPECIFICATIONS

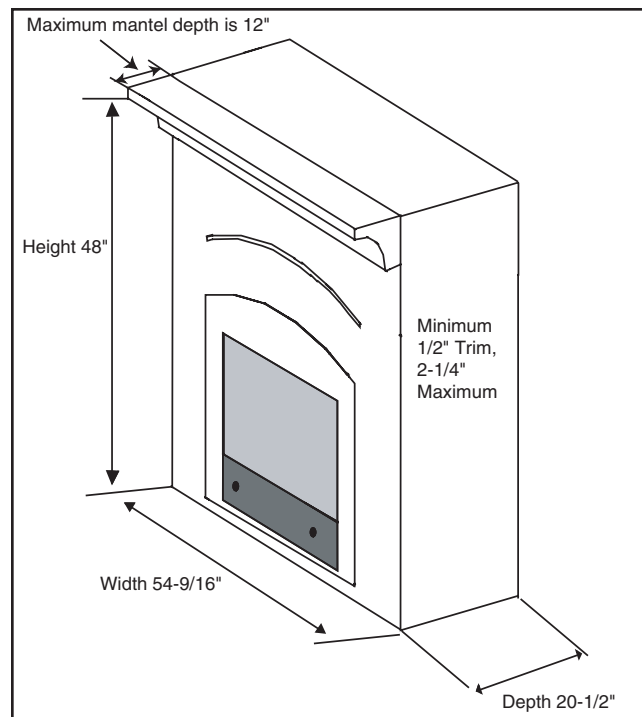
	Natural Gas	Propane
BTU Input	21,000 - 30,000	23,000 - 30,000
BTU Output on "HI"	25,500	25,500
Efficiency** (with Fan)	85%	85%

**Efficiency rating is the thermal efficiency rating of the product determined under continuous operation and independent of an installed system at maximum horizontal venting (40').

ZC APPLIANCE DIMENSIONS

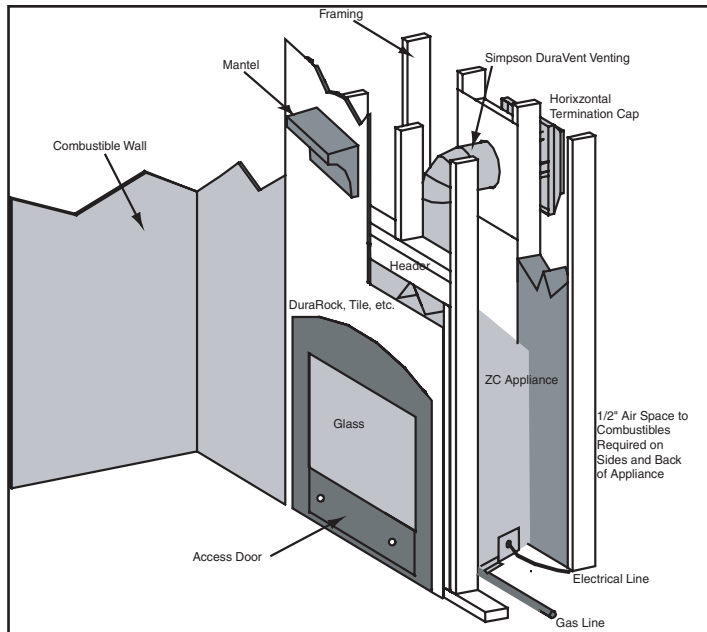


MINIMUM CABINET DIMENSIONS



SPECIFICATIONS

INSTALLATION TERMINOLOGY



PREPARATION

- Failure to follow all of the required installation procedures may result in property damage, bodily injury or loss of life.
- This appliance must be installed in accordance with all local codes, if any; if not, follow ANSI Z223.1-1992 and NFPA 54(88).
- Manufactured Home or Mobile Home installation may occur only after the home is site located and must conform to: USA, Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280; Canada, CSA Z240.4 and Gas-Equipped Recreational Vehicles and Mobile Housing standards.
- The QFP 30 is manufactured to operate on Natural Gas (NG), it is convertible to Liquid Propane Gas (LP) when the manufacturer's conversion kit, included with the fireplace, is used.
- 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 prior to connecting gas to this fireplace.
- Installation requirements diagrammed and explained in this manual are grouped into segments for ease of procedure. While these requirements must be met fully, the order of installation may be subject to the procedure best suited for your specific placement of the fireplace.

AN OVERVIEW: INSTALLATION TO OPERATION

1. Remove door/glass by releasing four spring clips (2 upper and 2 lower). See Pg. 32.
2. Remove logset, lava rock, embers and packaging materials from firebox.
3. Familiarize yourself with this manual.
4. Finalize your installation decisions and requirements.
5. Convert to LP gas if applicable to your installation. (Conversion kit is included with unit.) See Pgs.11-12.
6. Set unit in place and install venting per your installation requirements. (See venting instructions, page 16-27.) Secure unit to floor using naildown plates.
7. Connect the gas line. See Pg. 29.
8. Complete electrical connections. See Pg. ____.
9. Run thermostat lines to TH & TPTH connectors on valve, if applicable. See Pg. 29.
10. Leak test gas line to manual shutoff valve. See Pg. 33.
11. Install brick, lava rock, embers and logset. See Pg. 30-31.
12. Turn on manual shutoff valve (installed by installer); leak test.
13. Light pilot with door off and smell for gas (see Lighting Instructions). See Pg.34.
14. Re-attach door with latches. See Pg. 32.
15. Adjust gas control knob to "ON" (again, follow Lighting Instructions).
16. Check flames. See Pg. 33.
17. Adjust damper position, if applicable. See Pg. 35.
18. Attach fascia. NOTE: If using Gold or Brushed Nickel Fascia - Clean thoroughly with glass cleaner and non-abrasive towel prior to lighting unit. See Pg. 32.
19. Set Thermostat or turn control panel switch to the "On" position. See Pg. 36.

LP CONVERSION INSTRUCTIONS

Manufacturer's conversion kit supplied with the fireplace is required for this procedure.

NOTE: If converting this unit to propane, so do at this point of installation.

WARNING!

THE INSTALLATION OF THIS CONVERSION KIT MUST ONLY BE UNDERTAKEN BY A QUALIFIED AND CERTIFIED GAS APPLIANCE INSTALLER.

WARNING !

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

CAUTION! DISCONNECT ANY ELECTRICAL CORDS AND TURN OFF GAS SUPPLY TO UNIT BEFORE PROCEEDING.

Valve Regulator Tower

1. Turn control knob to the OFF position and shut off the gas supply to the valve.
2. Using a Torx TH20, or slotted screwdriver, remove the three pressure regulator mounting screws (A), pressure regulator tower (B), and diaphragm (C). (You may wish to retain these items for converting back to original gas if necessary.)
3. Insure that the rubber gasket (D) is properly positioned and install the new HI/LO pressure regulator assembly to the valve using the new screws (E) supplied with the kit. Tighten screws securely. (Reference torque = 25in/lb)
4. Install the enclosed identification label (F) to the valve body where it can be seen.

Continued on next page.

LP CONVERSION, CONT.

1. Remove glass frame by unlatching door in each corner. Fig. 1.
2. If installed, remove logs, embers, and lava rock. retain these items.
3. Remove burner tray with Phillips screwdriver. There are (7) screws in tray, (3) in front and (2) on each side. Lift tray up and out. Fig. 2 & 3.
4. With Phillips screwdriver, remove (2) screws on burner pan. Remove pan by lifting up on right hand side of burner and pulling to the right. **Take care not to bend air shutter rod.** Fig. 4.
5. Use a 5/8" wrench to remove burner orifice and replace with correct orifice for LP. Fig. 5.
6. Remove pilot hood by pulling up on hood. Fig. 6. Then use a 5/32" Allen wrench to remove pilot orifice and replace with orifice supplied in kit. Fig. 7.
7. Replace all parts in reverse order.

FIG. 4



FIG. 5

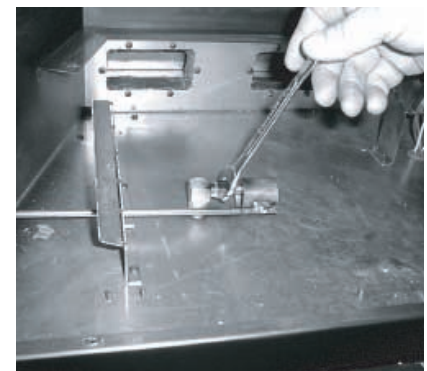


FIG. 6

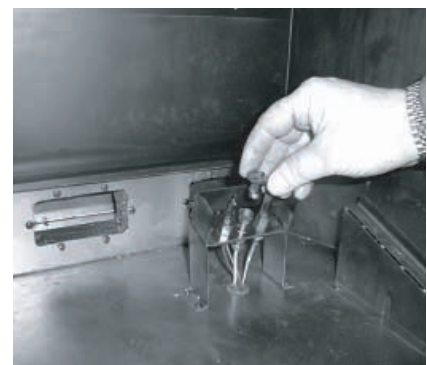


FIG. 7



FIG. 1



**PULL TO
RELEASE -
2 ON TOP & 2
ON BOTTOM OF
DOOR/GLASS**

FIG. 2

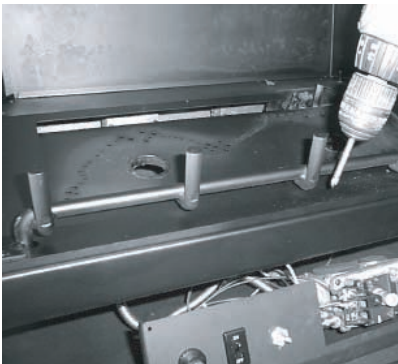
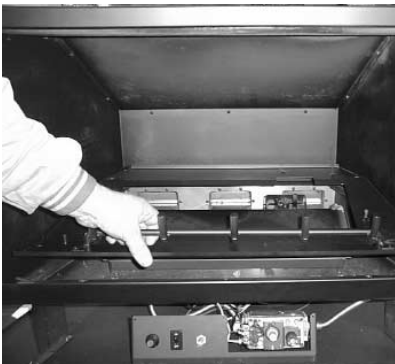


FIG. 3



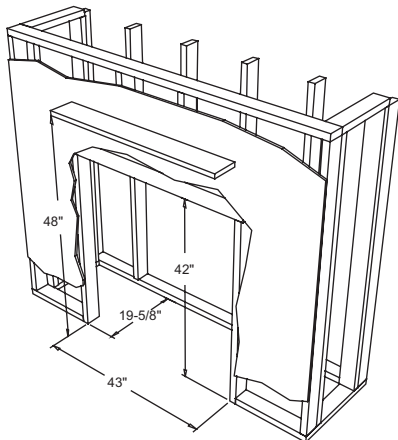
LP CONVERSION

MINIMUM FRAMING DIMENSIONS

- The 1/2" clearance to combustibles stand-offs on the back and sides and 9" stand-offs on the top of the fireplace separate the fireplace from the framing members (see page 7, Clearances to Combustibles). The top stand-offs may contact the framing members but no material may be placed between the stand-offs and the framing.
- Installation requires a level surface capable of supporting the weight of the fireplace (200 lbs.) and vent.
- Fireplace must be placed directly on wood or non-combustible surface (not on linoleum or carpet).
- **HOT WHILE IN OPERATION!** Installation location must be out of traffic and away from furniture and draperies.

NOTE:

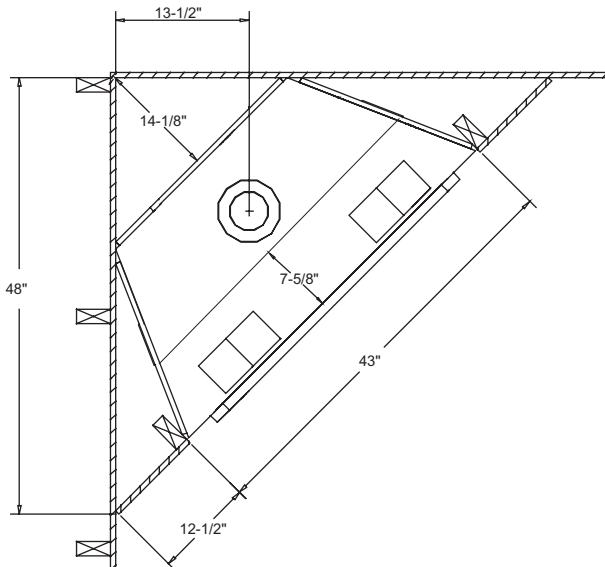
Framing dimensions shown below reflect an 1/4" overage on top and 1/8" overage to each side.



Route gas line 6-7/16" behind the framing opening (on either side of can.) For hardpipe connection, allow 1-1/4" above the base of fireplace.

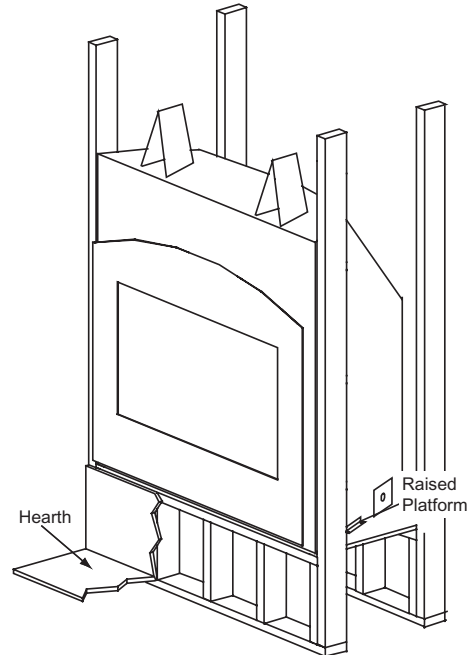
CORNER INSTALLATIONS

The usual 45° installation uses the minimum framing dimensions shown in the illustration below. **PLEASE NOTE: All clearances as referenced on page 7 still apply.**

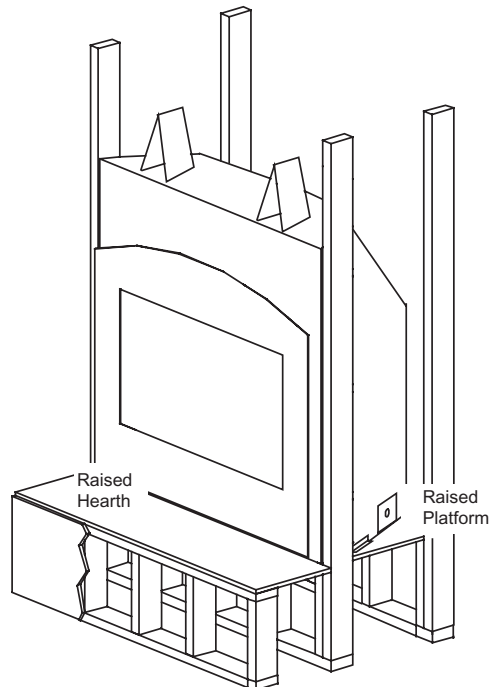


RAISED FIREPLACE

The fireplace and its hearth, if desired, may be placed on a platform designed to support the fireplace weight (200 lbs.) and venting.



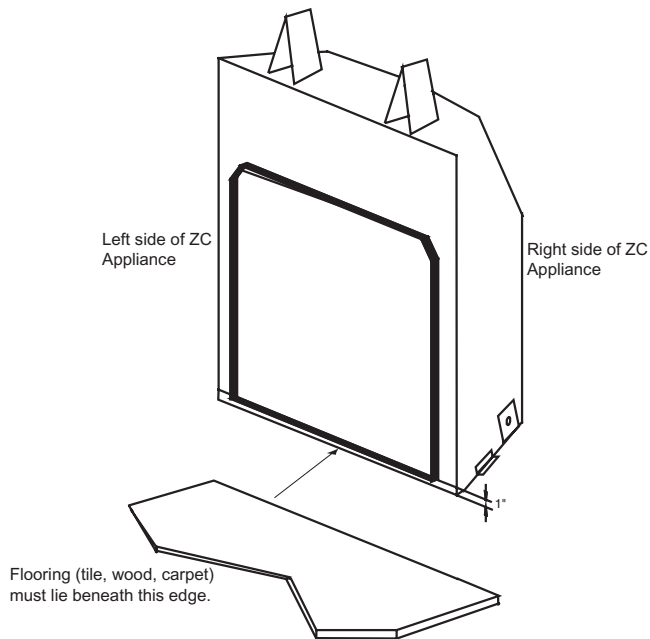
RAISED FIREPLACE & HEARTH



HEARTH REQUIREMENTS

No clearances to combustible flooring or hearth extension are required for installation of the QFP30, as referenced in the Clearances to Combustibles label on page 6 of this manual and the Clearances tag on the unit.

NOTE: Ensure the depth of your flooring material does not exceed the 1" height at bottom front flange of the ZC Appliance, illustrated below. Clearance of this area is necessary in order to allow freedom of movement of the control panel access door when the fascia is installed later.



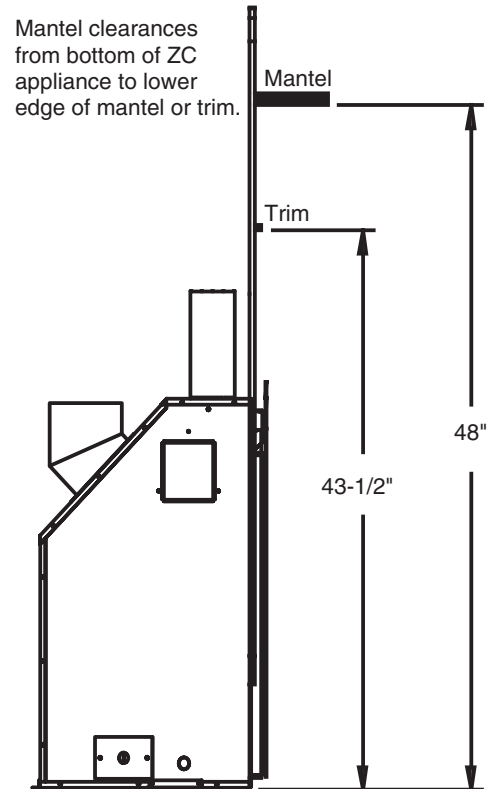
MANTEL REQUIREMENTS

COMBUSTIBLE MANTELS

See also references on page 6, Clearances to Combustible Materials label.

The allowable height from the bottom of the unit to the lower edge of a maximum mantel depth of 12", is 48".

The allowable height from the bottom of the unit to a maximum combustible trim width of 2-1/4", is 43-1/2".

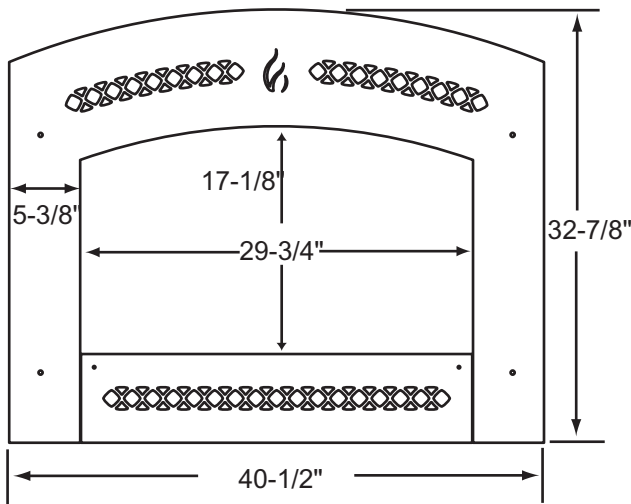


FASCIA DIMENSIONS

(Fascia is available in Gold, Brushed Nickel and Black finishes. See Parts & Accessories on page 42 for part numbers.)

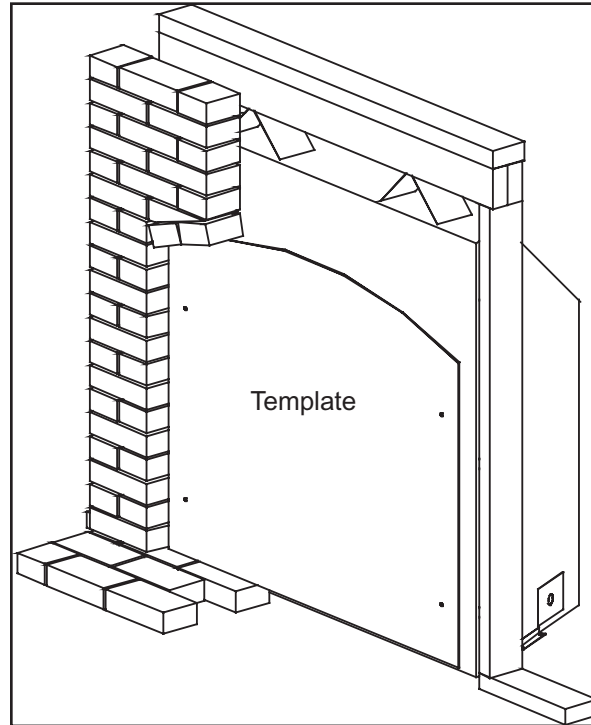
ACID WASH ALERT !

An acid wash (muriatic acid) is commonly used to remove excess mortar, primarily on brick faces. Prior to installation of the fascia, determine if the masonry surrounding your fireplace that has been treated with an acid wash has been properly neutralized with an ammonia solution. If not, the gold or nickel fascia may develop a permanent tarnish when the acid evaporates over time. Contact your masonry builder if uncertain if your facing has been properly neutralized.



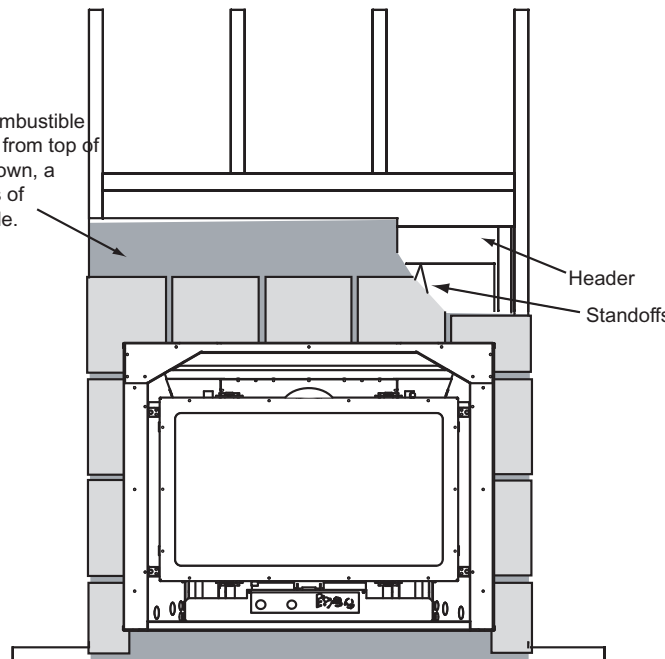
FACING OVER 1" THICK

Facing material greater than 1" thick, such as brick, river rock, etc., will require installation around the perimeter of the face. A template for this purpose is printed on the shipping box. PLEASE NOTE: Template is 1/4" oversized to allow for fit.



FACING DIMENSIONS REQUIREMENTS

Durarock or other non-combustible material must extend 10" from top of fireplace to header as shown, a minimum of 3" from sides of fireplace, and 42-1/2" wide.



NOTE: Tile may be tucked beneath the fascia on sides and top; but not on the bottom.

INSTALLATION

GENERAL VENTING INSTRUCTIONS

PLEASE NOTE: In order to comply with applicable codes and product warranties, only Simpson Dura-Vent venting components may be used.

DO NOT USE FIELD-FABRICATED VENTING COMPONENTS.

The Quadra-Fire QFP30 Fireplace is approved to be vented either horizontally, through the side wall, or vertically, through the roof. You may vent through a Class A or masonry chimney if a Simpson Dura-Vent adapter is used (for USA installations only). Only Simpson Dura-Vent components labeled and listed on this page may be used.

This fireplace is a direct vent heater. All combustion air must come directly from the outside of the building. The vent pipe for this unit consists of an inner and an outer pipe. The inner pipe carries the stove exhaust out of the system, and the outer pipe brings fresh combustion air into the stove.

A wall thimble is optional when the venting passes through a wall. A support box or firestop is required when the venting passes through a ceiling. Roof flashing and a storm collar are required when venting passes through the roof. Follow instructions provided with the vent for installation of these items.

IMPORTANT

Read all these instructions carefully before starting the installation. Failure to follow instructions may create a fire or other safety hazard, and will void the warranty. Be sure to follow these installation instructions for venting and clearance to combustible requirements, which may vary from one installation to another. Do not extend the venting system in excess of the distance prescribed in these manufacturer's installation instructions. This gas appliance must not be connected to a chimney flue serving a separate solid-fuel burning appliance. **Venting terminations shall not be recessed into a wall or siding.**

INSTALLATION PRECAUTIONS

The Quadra-Fire QFP 30 Fireplace is an engineered product that has been designed and tested. The warranty will be voided, and serious fire, health, or other safety hazards may result from any of the following actions: Installation of any damaged venting component, unauthorized modification of the venting system, installation of any component part not approved by Aladdin Hearth Products, or installation other than as instructed by these instructions. Consult your local building codes before beginning this installation.

WARNING: Always maintain the required clearances (air space) to nearby combustibles to avoid creating a fire hazard. Do not fill air space with insulation. Minimum clearance between vent pipes and combustible surfaces is 1-1/2" (50mm). Be sure to check the vent termination clearance requirements from decks, windows, soffits, gas regulators, air supply inlets and public walkways, as specified on page 19 of these installation instructions and local building codes.

The gas fireplace 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. This direct vent gas fireplace must use its own separate vent system. Common vent systems are prohibited.

SAFETY PRECAUTIONS FOR THE INSTALLER

Wear gloves and safety glasses for protection when installing this stove. Exercise extreme caution when using ladders or on rooftops around power lines. Be aware of electrical wiring locations in walls and ceiling.

SIMPSON DURA-VENT PARTS LIST

Simpson Dura-Vent offers a complete line of component parts for installation in both horizontal and vertical applications. Many items are offered in decorative black, as well as a galvanized finish. The galvanized pipe and fittings are used for concealed locations such as attics, or spaces where corrosion is a factor, such as above the roofline. Decorative brass and chrome trim kits are available for both wall thimbles and ceiling support boxes. Snorkel terminations are available for applications which may require a vertical rise on the building exterior. The following components have been approved for use with the Quadra-Fire QFP 30 Fireplace.

705C	Flashing (masonry chimney)
902	48" Pipe Length
902B	48" Pipe Length, Black
903	36" Pipe Length
903B	36" Pipe Length, Black
904	24" Pipe Length
904B	24" Pipe Length, Black
906	12" Pipe Length
906B	12" Pipe Length, Black
907B	9" Pipe Length, Black
908B	6" Pipe Length, Black
909B	Retro Connector
911B	11" - 14 5/8" Pipe, Adjustable, Black
940	Round Support Box/Wall Thimble
941	Cathedral Ceiling Support Box
943	Flashing, 0/12 to 6/12 Roof Pitch
943S	Flashing, 7/12 to 12/12 Roof Pitch
945	45° Elbow
945B	45° Elbow, Black
947	Firestop (for chased pipe only)
950	Vinyl Siding Standoff
953	Storm Collar
963	Ceiling Firestop
981	Snorkel Termination (36")
982	Snorkel Termination (14")
985	High Wind Horizontal Termination Cap
985K	Top Adapter
986K	Top Adapter
987K	Top Adapter
988	Wall Strap
990	90° Elbow
990B	90° Elbow, Black
991	High Wind Vertical Termination Cap
0945J	45° Starter Elbow & HTI Part #HHW2 High Wind Horizontal Termination Cap

VENTING INSTALLATION OPTIONS & GUIDELINES

There are four types of direct vent system installations approved for use with the QFP 30. It is very important to maintain a balance between the combustion air intake and the flue gas exhaust venting system. The types of installation are:

- Horizontal Termination (Figure 1)
- Vertical Termination (Figure 2)
- Into a Class A Metal Chimney (Figure 3)*
- Into a Masonry Chimney (Figure 4)*

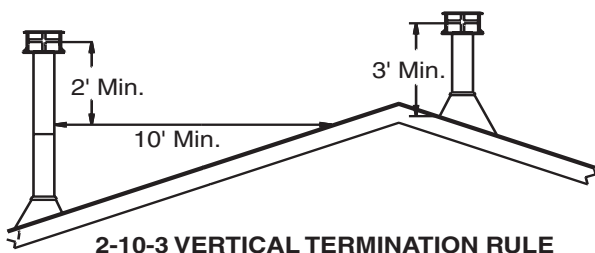
*USA installations only

Note: Certain limitations as to vent and vertical termination configuration apply, and must be strictly adhered to. Read this manual carefully.

When planning your installation, it will be necessary to select the proper length of vent pipe for your particular requirements. The vent graph on page 18 will show the relationship between vertical and horizontal side wall venting, and will help you to determine the various vent lengths permitted and to select the amount of vertical rise desired for "vertical-to-horizontal" type installations. It is also important to note the wall thickness. To determine the length of pipe required for vertical installations, measure the distance from the application flue outlet to the ceiling, the ceiling thickness, the vertical rise in an attic or second story, and allow for sufficient vent height above the roofline, (see 2-10-3 Rule below.) For two-story applications, fire stops are required at each floor level. If an offset is needed in the attic, additional pipe and elbows will be required.

When installing this appliance into an existing masonry chimney, it is important to carefully measure the length of flex needed to reach from the appliance outlet to the termination cap. If the flex length is too short, a flex coupler will be needed to attach an additional length of flex liner to make up the difference. If the flex length is too long, the liner could sag below the appliance outlet, which could result in a potential fire hazard.

A masonry chimney or a factory-built chimney must be the required height above the roof and any other nearby obstructions. The chimney must be at least three feet higher than the highest point where it passes through the roof and at least two feet higher than the highest part of the roof or structure that is within ten feet of the chimney, measured horizontally. See 2-10-3 diagram below. These are safety requirements and are not meant to assure proper flue draft.



TERMINATION CAP REQUIREMENTS
 For Horizontal Terminations Use Only DuraVent Part #985, OR HTI Part #HHW2

 For Vertical Terminations Use Only DuraVent Part #991.

FIG. 1 HORIZONTAL TERMINATION

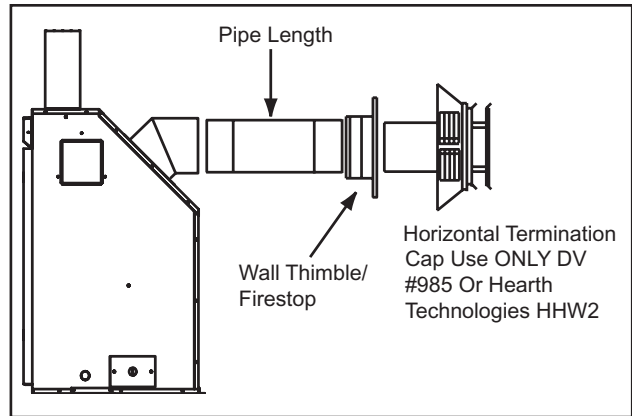
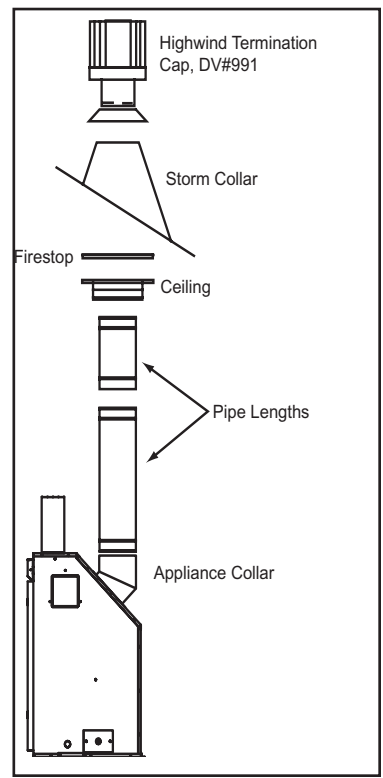


FIG. 2 VERTICAL TERMINATION



VENTING

FIG. 3 INSTALLATION INTO A CLASS A METAL CHIMNEY (USA ONLY)

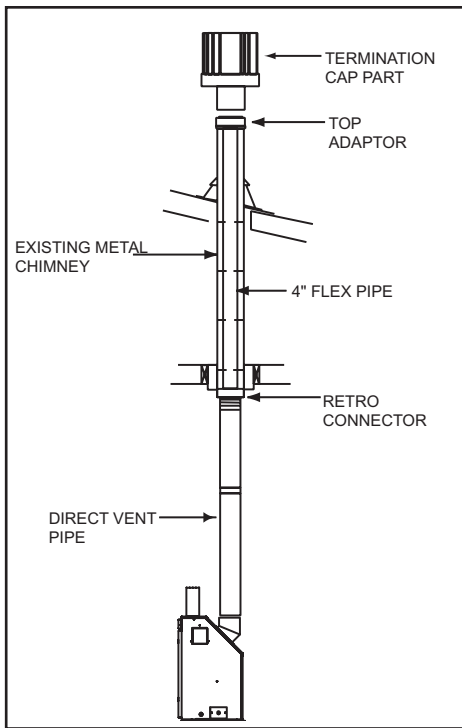
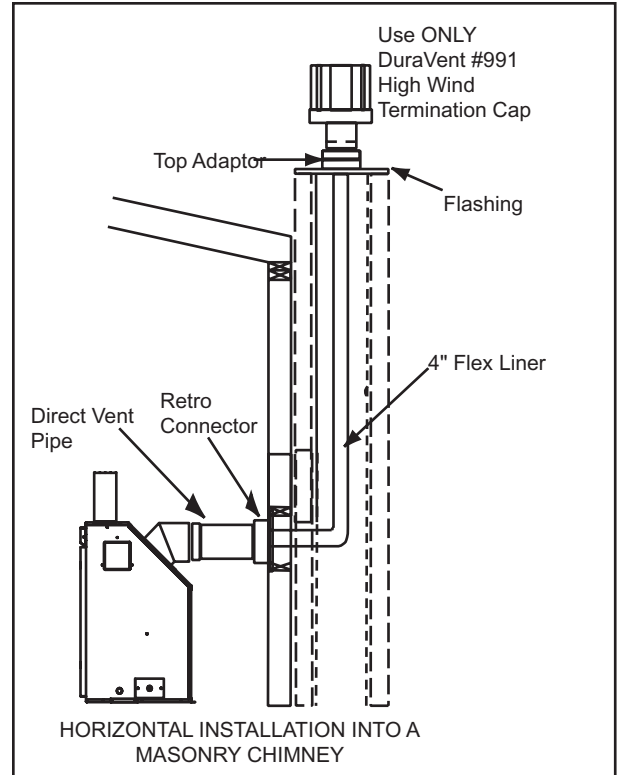


FIG. 4 INSTALLATION INTO A MASONRY CHIMNEY (USA ONLY)



HOW TO USE VENT GRAPH

1. Measure the distance from the top of stove to the center of the 90° elbow. On the graph below, draw a horizontal line from that measurement on the vertical axis across until it intersects with the slanted line.
2. From the point of this intersection, draw a vertical line to the bottom of the graph.
3. The point at which this line meets the bottom line of the graph is the maximum length of the horizontal run.

Example 1: If the vertical dimension from the top of the stove to the center of the 90° elbow is 7' (2.13m), the horizontal run to the outer wall flange must not exceed 9' 9" (2.97m).

Example 2: If the vertical dimension from the top of the stove is 21' (6.4m), the horizontal run to the outer wall flange must not exceed 7' 3" (2.21m).

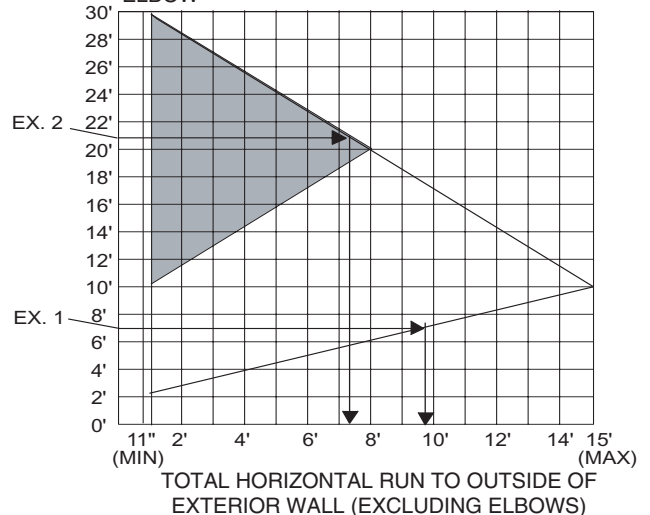
Note 1: The maximum horizontal vent run is 15' (4.57m) when the vertical vent rise is 10' (3.05m).
The minimum horizontal vent run is 12" (305mm).
Minimum wall thickness is 4" (102mm). Maximum wall thickness is 20" (508mm).

Note 2: Vent damper may need to be adjusted if your installation falls in the shaded area shown in graph.

CONFIGURATION EXAMPLES FOR THE QFP30:

- (1) 45° elbow 1' vertical / 12' horizontal (1) 90° elbow
- (1) 45° elbow 6' horizontal
- (1) 45° elbow & (1) 11"-14" adjustable
- (1) 45° elbow 10' vertical / 15' horizontal
- (1) 45° elbow 40' vertical
- (1) 45° elbow (1) foot vertical (1) 90° elbow (1) foot horizontal (1) 90° elbow (4) 90°s
- (1) 45° (1) 90° elbow (2) foot horizontal (1) 90° elbow

VERTICAL DISTANCE FROM APPLIANCE TOP TO THE 90° ELBOW



HORIZONTAL TERMINATION REQUIREMENTS

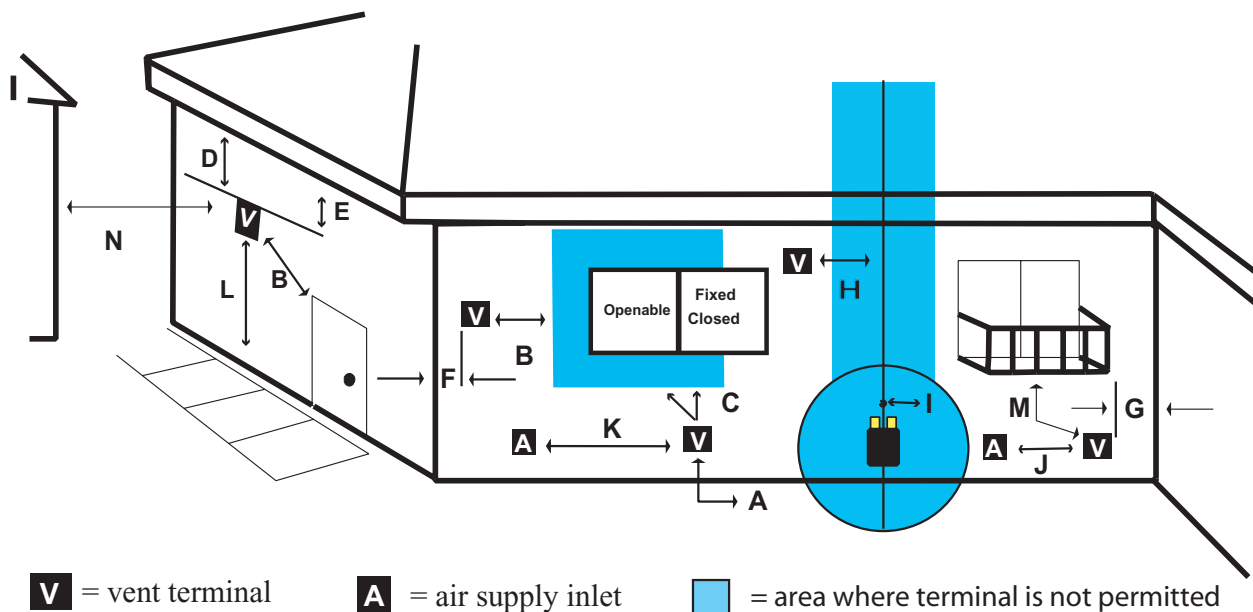
- A. *12" (30cm) minimum: clearance above grade, veranda, porch, deck, or balcony.
- B. *12" (30cm) minimum: Clearance to window or door that may be opened.
- C. 12" (30cm) minimum: Clearance to permanently closed window (recommended to prevent condensation on window).
- D. 18" (46cm) minimum: Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2' (60cm) from the centerline of the terminal.
- E. 12" (30cm) minimum: Clearance to unventilated soffit.
- F. 6" (15cm): Clearance to outside corner.
- G. 9" (23cm): Clearance to inside corner.
- *Not to be installed above a meter/regulator (gas or electrical) assembly within 3' (90cm) horizontally from the centerline of the meter/regulator.
- H. *6' (1.8m) minimum: Clearance to service regulator vent outlet.
- I. *12" (30cm) minimum: Clearance to nonmechanical air supply inlet to building or the combustion air inlet to any other appliance.
- J. *6' (1.8m) minimum: Clearance to a mechanical air supply air inlet.
- K. *+7' (2.1m) minimum: Clearance above paved sidewalk or a paved driveway located on public property.
- L. *#12" (30 cm) minimum: Clearance under veranda, porch, deck, or balcony.
- M. 6" (15 cm) minimum: Clearance to adjacent building or deck.
- N. 6" (15 cm) minimum: Clearance to nearby building

+A vent shall not terminate directly above a sidewalk or paved driveway which is located between two single-family dwellings and serves both dwellings.*

#Only permitted if veranda, porch, deck, or balcony, is fully open on a minimum of two sides beneath the floor.*

*As specified in CGA B149 Installation Codes

Note: Local Codes or regulations may require different clearances.



HORIZONTAL INSTALLATION

NOTE:

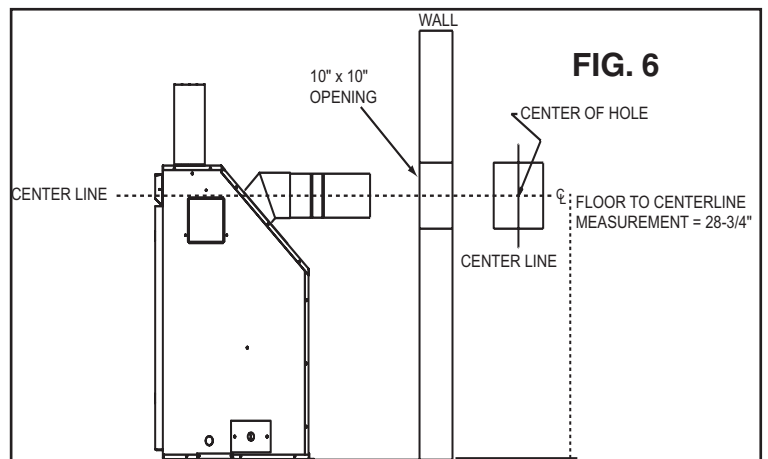
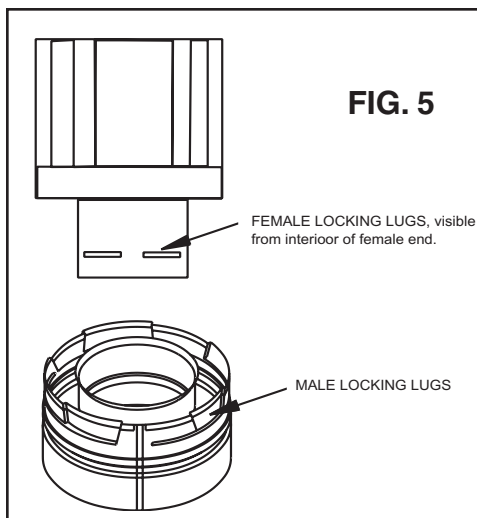
1. Horizontal sections require a 1/4" (6mm) rise for every 1' (305mm) of horizontal travel. Never allow the vent to run downward. This could cause high temperatures and may present the possibility of a fire.
2. Exterior Vent Diameter = 6 5/8" (177mm);
3. Inner Vent Diameter = 4" (101mm)
4. Horizontal sections require noncombustible support every 3' (914mm), e.g. plumbing tape.
5. The location of the horizontal vent termination on an exterior wall must meet all local and national building codes, and must not be easily blocked or obstructed, see page 19.
6. For installations requiring a vertical rise on the exterior of the building, 14" (356mm) and 36" (914mm) tall snorkel terminations are available. Follow the same installation procedures as used for standard horizontal terminations. If the snorkel termination must be installed below grade (i.e. basement application), proper drainage must be provided to prevent water from entering the snorkel termination. Do not backfill around snorkel termination.

Note: Twist-lock procedure: Four indentations, located on the female ends of pipes and fittings, are designed to slide straight onto the male ends of adjacent pipes and fittings by orienting the four pipe indentations so they match and slide into the four entry slots on the male ends, see Fig.5 below. Push the pipe sections completely together, then twist-lock one section clockwise approximately one-quarter turn, until the two sections are fully locked. The female locking lugs will not be visible from the outside, on the pipe or fittings. They may be located by examining the inside of the female ends.

Step 3. With any vertical pipe required for your installation, and the 45° elbow attached to the flue outlet, measure the distance from the base of the ZC appliance to the center of the 45° elbow, adding 1/4" rise for every 1' of horizontal venting, as referenced in Note 1, below. Measure this height at the correct wall location for your installation, maintaining minimum clearance to combustibles, and mark the wall for a 10" x 10" (254mm x 254mm) square hole. The center of the square hole should line up with the centerline of the horizontal pipe, as shown in Figure 7. Cut and frame the hole in the exterior wall where the vent will be terminated. If the wall being penetrated is constructed of noncombustible material, i.e. masonry block or concrete, a 7" (178mm) diameter hole is acceptable.

VENTING

- Step 1.** Determine the desired location of the fireplace. Check to ensure that wall studs or roof rafters are not in the way when the venting system is attached. If this is the case, you may want to adjust the location of the stove.
- Step 2.** Simpson Dura-Vent pipe is designed with special twist-lock connections. To connect the venting system to the stove flue outlet, a twist-lock adapter is built into the stove at the factory. Remember to include wall thickness in minimum clearances when figuring the measurements for your installation needs.

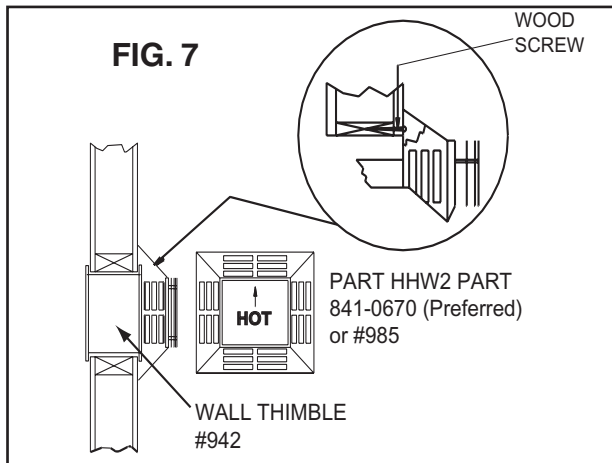


HORIZONTAL INSTALLATION (CONT.)

Step 4. Position the horizontal vent termination in the center of the 10" (254mm) square hole, run a bead of non-hardening mastic around its outside edges, so as to make a seal between it and the wall, attach termination cap to the exterior wall with the four wood screws provided. The arrow on the vent cap should be pointing up. Figure 7. Insure that proper clearances to combustible materials are maintained.

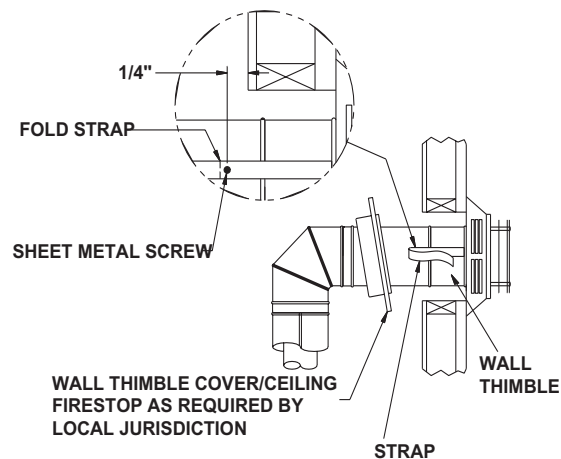
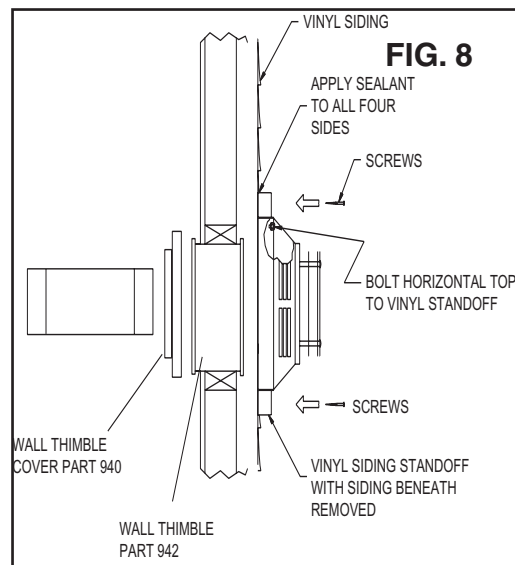
Step 5. Slide the stove and vent assembly (see Fig. 9 below) towards the wall, carefully inserting the vent pipe into the vent cap assembly. It is important that the vent pipe extend into the vent cap a sufficient distance so as to result in a minimum pipe overlap of 1¼" (32mm). Secure the connection between the vent pipe and the vent cap by attaching the two sheet metal strips extending from the vent cap assembly into the outer wall of the vent pipe. Use the two sheet metal screws provided to connect the strips to the pipe section. (Figure 9).

Note: The attachment from the vent pipe to the vent cap must be siliconed.



NOTE:

- (1) The four wood screws provided should be replaced with appropriate fasteners for stucco, brick, concrete, or other types of sidings.
- (2) Vent terminal shall not be recessed into a wall or siding.
- (3) If you are using Simpson DuraVent termination cap #985 on a building with vinyl siding, a vinyl siding standoff (Simpson Dura-Vent Part #950), should be installed between the vent cap and the exterior wall (Figure 8). Attach the vinyl siding standoff to the horizontal vent termination. The vinyl siding standoff prevents excessive heat from possibly melting the vinyl siding material. Remove siding from beneath area of standoff.

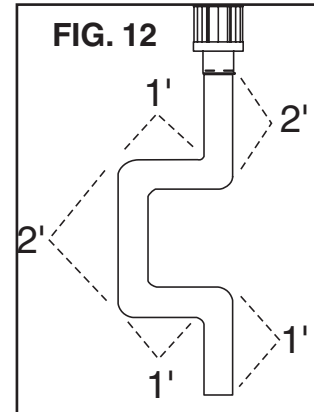


VERTICAL INSTALLATION INSTRUCTIONS

USING GS SERIES PIPE

Step 1. Check the installation instructions for required 1" clearances (air space) to combustibles when passing through ceilings, walls, roofs, enclosures, attic rafters, or other nearby combustible surfaces. See page 24, Fig. 16. Do not pack air space with insulation. Check the instructions below for maximum vertical rise of the venting system, and any maximum horizontal offset limitations. All offsets must fall within the set parameters of the vent graph located on page 18.

NOTE: Maximum vertical rise allowable is 40'. Figure 10.
NOTE: Maximum number of 45° elbows permitted for a vertical installation is eight, provided their installation does not decrease maximum vertical rise (as specified by Vent graph, on page 16).



NOTE: Maximum number of 90° elbows permitted for a vertical installation is four, provided the termination falls within the shaded area shown in vent graph on page 18. See also Figure 12 above. **ADDITIONAL RESTRICTION:** This installation may not have two horizontal sections connected by 90° elbows.

Step 2. Set the gas stove in its desired location. Drop a plumb bob down from the ceiling to the position of the stove flue exit, and mark the location where the vent will penetrate the ceiling. Drill a small hole at this point. Next, drop a plumb bob from the roof to the hole previously drilled in the ceiling, and mark the spot where the vent will penetrate the roof. Determine if ceiling joists, roof rafters, or other framing will obstruct the venting system. You may wish to relocate the stove, or to offset, as shown in Figure 11, to avoid cutting loadbearing members.

Step 3. To install the round support box/wall thimble in a flat ceiling, cut a 10" (254mm) square hole in the ceiling, centered on the hole drilled in Step 2. Frame the hole as shown in Figure 13.

FIG. 10

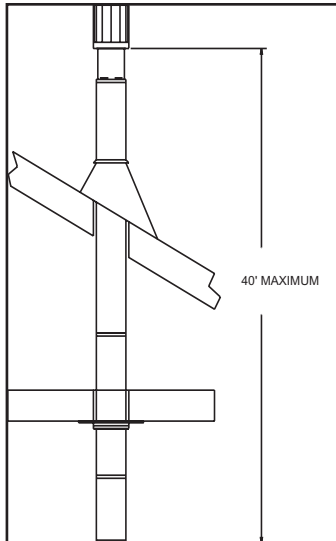


FIG. 11

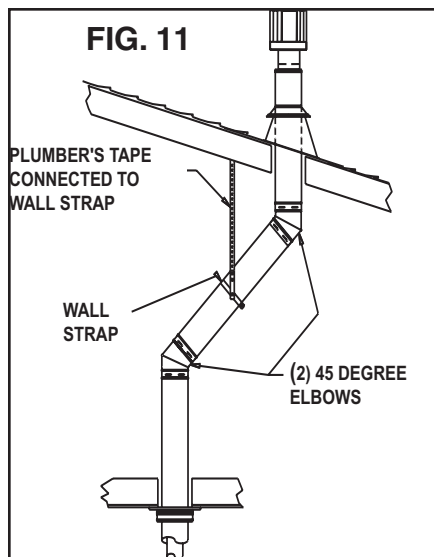
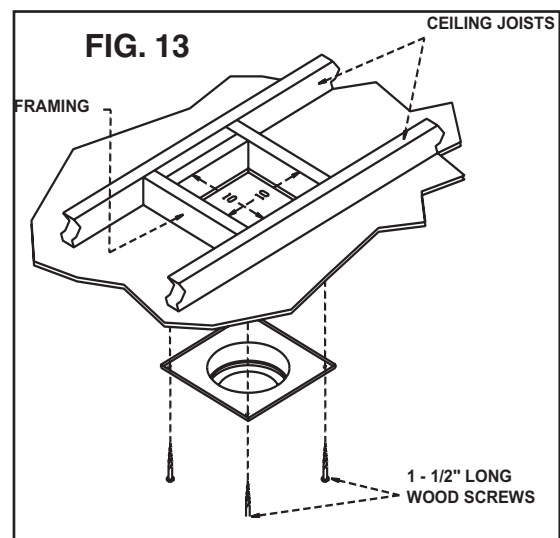
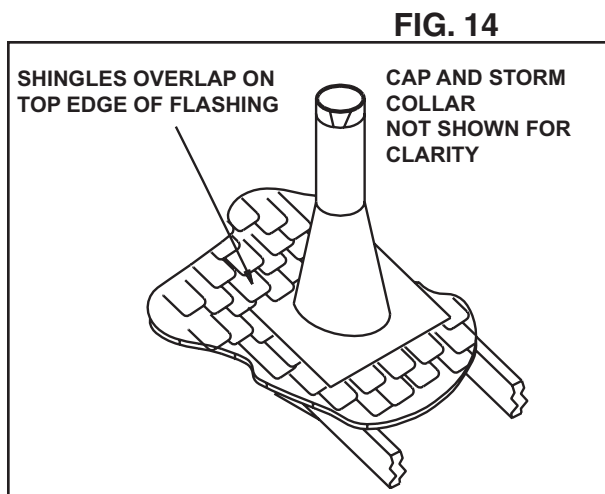
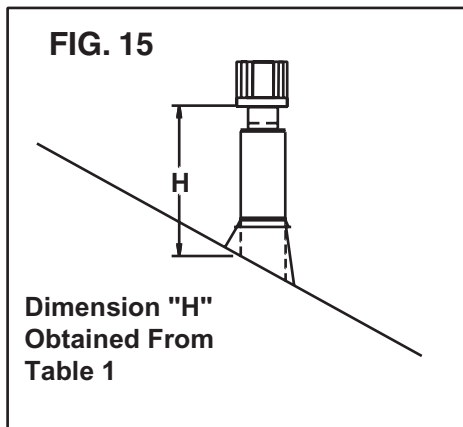


FIG. 13



VERTICAL INSTALLATION INSTRUCTIONS



ROOF PITCH	MINIMUM HEIGHT	
	FEET	METERS
Flat to 7/12	1	0.30
Over 7/12 to 8/12	1.5	0.46
Over 8/12 to 9/12	2	0.61
Over 9/12 to 10/12	2.5	0.76
Over 10/12 to 11/12	3.25	0.99
Over 12/12 to 14/12	5	1.52
Over 14/12 to 16/12	6	1.83
Over 16/12 to 18/12	7	2.13
Over 18/12 to 20/12	7.5	2.29
Over 20/12 to 21/12	8	2.44

The height of the vent cap must meet the minimum building code requirements described above.

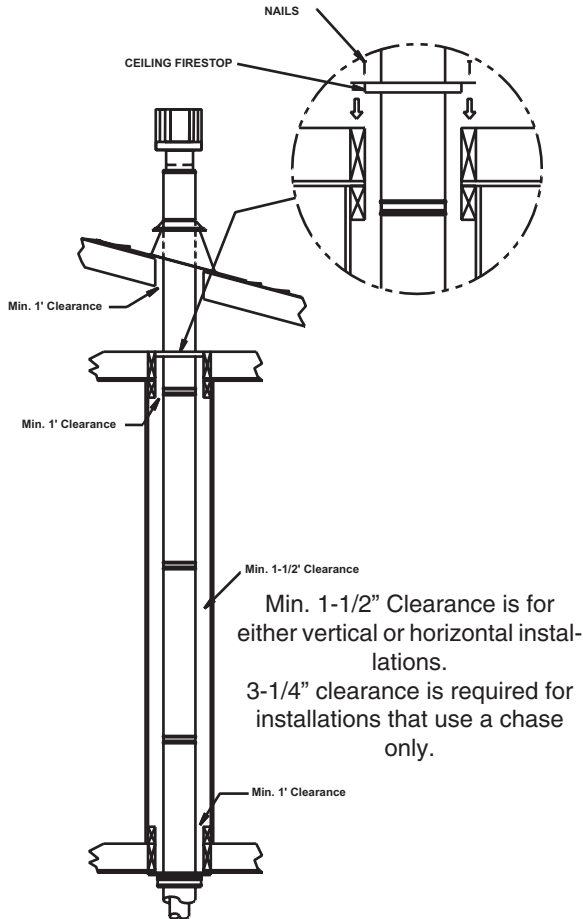
- Step 7. Continue to assemble pipe sections until the height of the vent cap (H) (Figure 15) meets the minimum code requirements described in code requirements as outlined in the current CAN/CGA-B149 Installation Codes (in Canada), the National Fuel Gas Code NFPA 54/ANSI Z223.1 (in USA), or local codes. Note that for steep roof pitches, the vent height must be increased. In high wind conditions, nearby trees adjoining rooflines, steep pitched roofs, and other similar factors can result in poor draft, or down drafting. In these cases increasing the vent height may solve this problem.
- Step 8. Twist-lock the vent cap and seal.

NOTE:

- (1) For multi-story vertical installations, a ceiling firestop (SDV part #963) is required at the second floor, and any subsequent floors (Figure 16). The opening should be framed to 10" x 10" (254mm x 254mm) inside dimensions, in the same manner as shown in Figure 13.
- (2) Any occupied areas above the first floor, including closets and storage spaces, which the vertical vent passed through must be enclosed. The enclosure may be framed and sheetrocked with standard construction materials; however, refer to these installation instructions for the minimum allowable clearance between the outside of the vent pipe and the combustible surfaces of the enclosure. Do not fill any of the required air space with insulation.

VERTICAL INSTALLATION, CONT.

FIG. 16



NOTE:

- (1) If an offset is necessary in the attic to avoid obstructions, it is important to support the vent pipe every 3' (914mm) to avoid excessive stress on the elbows, and possible separation. Wall straps are available for this purpose (Figure 11).
 - (2) Whenever possible, use 45° elbows, instead of 90° elbows. The 45° elbow offers less restriction to the flow of flue gases and intake air.
- Step 6. Slip the flashing over the pipe section(s) protruding through the roof. Secure the base of the flashing to the roof with roofing nails. Insure the roofing material overlaps the top edge of the flashing as shown in Figure 14.

VENTING

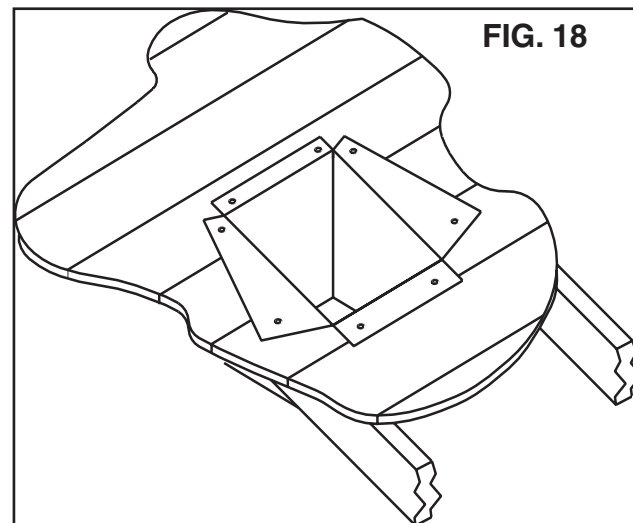
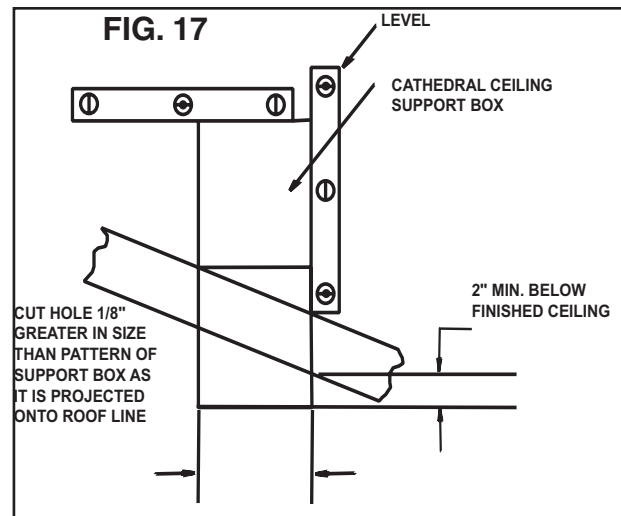
Step 4. Assemble the desired lengths of GS pipe and elbows necessary to reach from the stove up through the round support box. Ensure that all pipe and elbow connections are in their fully twist-locked position. Be sure to seal the outer pipe with appropriate sealant (high temperature silicone).

Step 5. Cut a hole in the roof centered on the small drill hole placed in the roof in Step 2. The hole should be of sufficient size to meet the minimum requirements for clearance to combustibles, as specified. Continue to assemble lengths of pipe and elbows necessary to reach from the ceiling support box up through the roof line. Galvanized pipe and elbows may be utilized in the attic, as well as above the roofline. The galvanized finish is desirable above the roofline, due to its higher corrosion resistance.

VERTICAL INSTALLATION, CONT.

CATHEDRAL CEILING INSTALLATION

- Step 1. Follow installation Steps 1 and 2 under vertical termination section.
- Step 2. Using a plumb-bob, mark the centerline of the venting system on the ceiling, and drill a small hole through the ceiling and roof at this point. From the roof, locate the drill hole and mark the outline of the cathedral ceiling support box.
- Step 3. Remove shingles or other roof covering as necessary to cut the rectangular hole for the support box. Cut the hole 1/8" (3mm) larger than the support box outline.
- Step 4. Lower the support box through the hole in the roof until the bottom of the box protrudes at least 2" (51mm) below the ceiling (Figure 17). Align the support box both vertically and horizontally with a level. Temporarily tack the support box in place through the inside walls and into the roof sheathing.
- Step 5. Using tin snips, cut the support box from the top corners down to the roofline, and fold the resulting flaps over the roof sheathing (Figure 18). Before nailing it to the roof, run a bead of non-hardening mastic around the top edges of the support box to make a seal between it and the roof. Clean out any combustible material from inside the support box.
- Step 6. Complete the cathedral ceiling installation by following the same procedures outlines in steps 4 through 8 for vertical terminations.

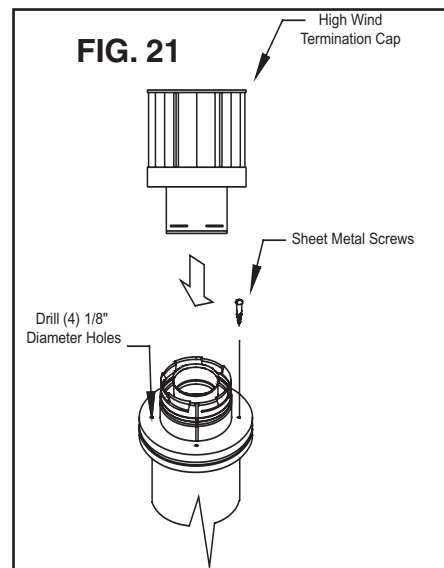
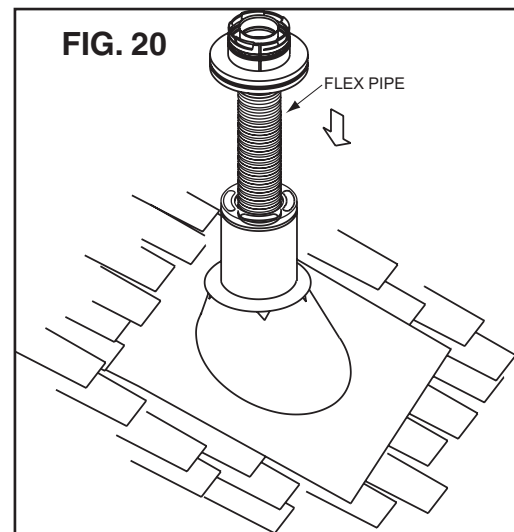
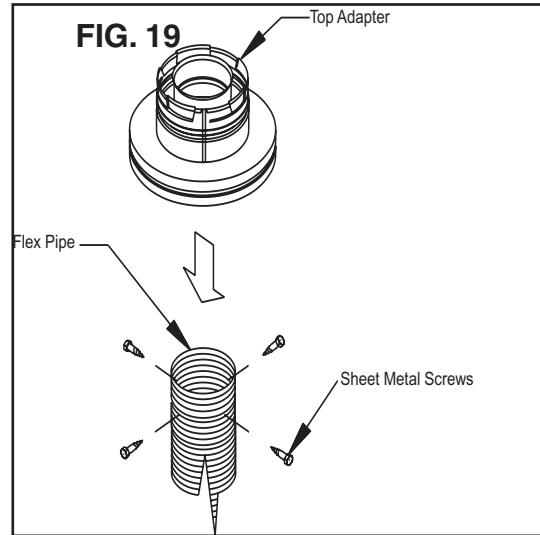


VERTICAL INSTALLATION, CONT.

INSTALLATION INTO A CLASS A METAL CHIMNEY (USA ONLY)

NOTE: Have the existing installation inspected by a qualified chimney sweep or professional installer prior to converting to direct vent. The existing chimney system must be in serviceable condition and functionally sound and clean.

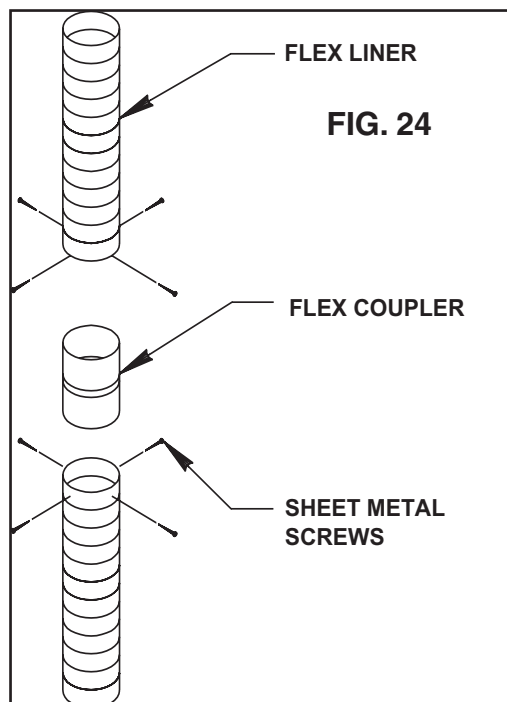
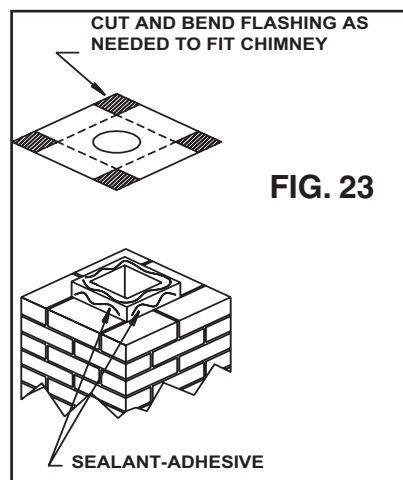
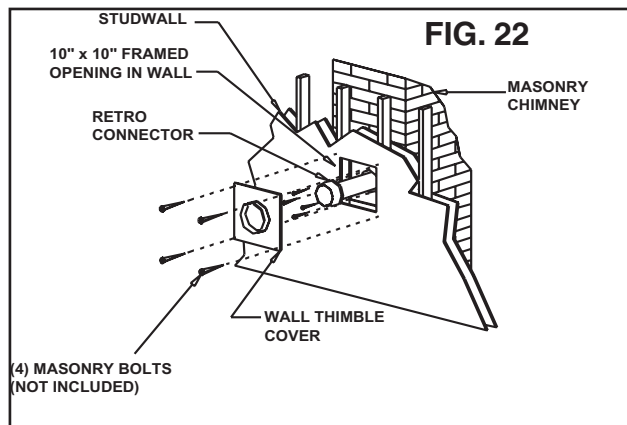
- Step 1. Remove existing chimney cap.
- Step 2. Measure the distance from the top of the chimney to the bottom of the ceiling support box, add 3" (76mm) to this measurement, and cut a section of 4" (102mm) flex pipe to that length (the flex should be extended to its nominal length).
- Step 3. Connect the end of the flex pipe section to the underside of the top adapter (SDV #985K, 986K or 987K), using three sheet metal screws (Figure 19).
- Step 4. Pass the flex pipe down through the center of the chimney system, and center the top adapter on the top of the chimney pipe. Drill four 1/8" (3.3mm) diameter holes through the top adapter, and into the chimney top. Ensure that you are drilling into the metal on the chimney. Twist lock the high wind termination cap (SDV #991) onto the top adapter (Figures 20 and 21).
- Step 5. Pull the flex pipe down through the ceiling support box, until it protrudes approximately 3" (76mm). Connect the flex pipe to the retro connector (SDV #909B), and attach with sheet metal screws.
- Step 6. Push the flex pipe back up into the ceiling support box, center the retro connector, and attach it to the support box with sheet metal screws.
- Step 7. The connection between the appliance and the retro connector may be completed with sections of direct vent pipe.



VERTICAL INSTALLATION, CONT.

INSTALLATION INTO AN EXISTING MASONRY CHIMNEY (USA ONLY)

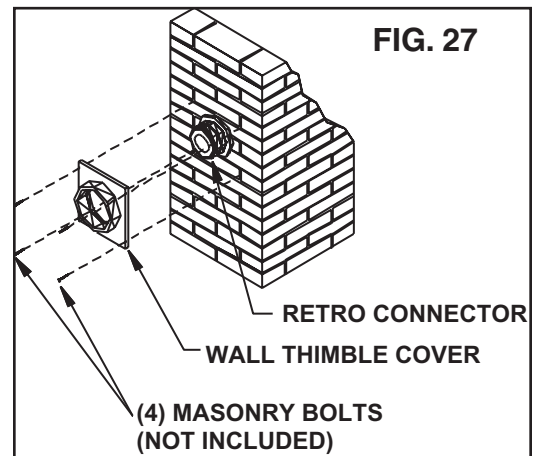
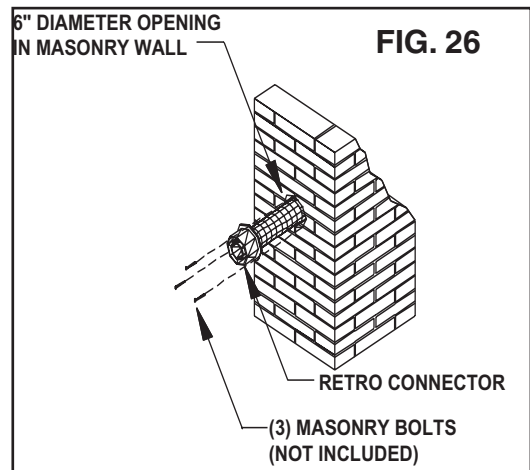
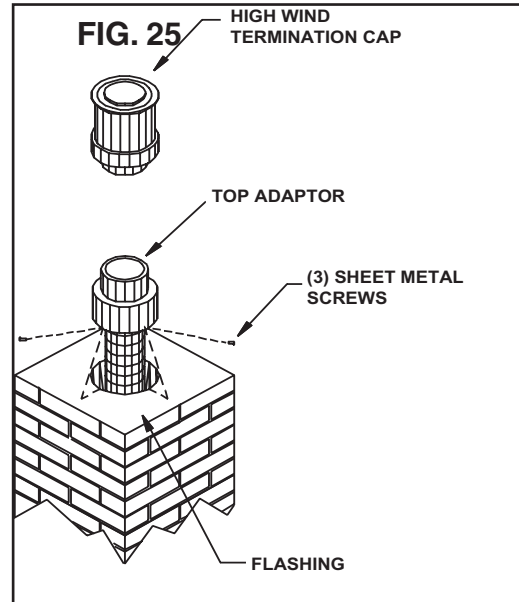
- Step 1. Before cutting any holes, assemble the desired sections of direct vent pipe to determine the center of the masonry penetration.
- Step 2. Once the center point of the penetration has been determined, cut a 6" (152mm) diameter hole in the masonry. If the hole is too large, the retro connector might not mount properly; if the hole is too small, the appliance might starve for intake air. If there is a frame wall in front of the masonry wall, cut and frame a 10" (254mm) square opening in the wall (centered around the 6" [152mm] masonry opening). If there is sheet rock only (no studs) in front of the masonry the 10" (254mm) opening is still needed, but does not need to be framed. This allows the retro connector to mount directly on the masonry and provide the correct clearances to combustibles (see Figure 22).
- Step 3. Secure the flashing (SDV #705C) to the top of the masonry chimney using a bead of non-hardening sealant-adhesive. If the flashing is larger than the top of the chimney, cut and fold flashing as needed to fit chimney (Figure 23).
- Step 4. To determine the length of flex needed, measure from 3" (76mm) above the top of the flashing down to the level of the opening. Add the distance from the center of the chimney out through the wall. Cut a piece of 4" (102mm) flex to this length (extended to its nominal length). Be sure to leave 2"-3" (51mm-76mm) of flex above the existing chimney to allow for connection to the termination kit.
- Step 5. Connect the flex liner to the top adapter using three sheet metal screws (see Figure 19, page 26).
- Step 6. Feed the flex liner through the flashing into the chimney. Carefully feed the flex liner down the chimney to the bottom and out the opening in the masonry wall, forming an angle to line up the flex liner with the vent opening on the appliance.
WARNING: Do not let the flex liner sag below the level at which it will connect to the appliance or connector. This could allow hot gas to become trapped and potentially become a fire hazard. The flex liner path should always be sloped up toward the termination cap.
- Step 7. If additional lengths of flex liner are needed to span the chimney height, use a flex coupler to connect the pieces of flex liner together. Connect the flex to the coupler by using four sheet metal screws for each side (Figure 24).



VERTICAL INTALLATION, CONT.

EXISTING MASONRY CHIMNEY, CONT.

- Step 8. Secure the top adaptor to the flashing. Use three sheet metal screws through the side of the top adaptor into the flange on the flashing (Figure 25). Twist lock the high wind termination cap (SDV #991) on to the top adaptor.
- Step 9. Attach the flex to the retro connector. Use three sheet metal screws to attach the flex liner to the connector (Figure 26). Mount the retro connector to the masonry wall using masonry bolts. Redrill larger holes on connector as needed. Be careful to ensure that the connector is centered in the opening and the mounting holes line up with the masonry wall.
- Step 10. Slide wall thimble cover (SDV #940) over retro connector and secure with masonry bolts (Figure 27). If you have a framed wall in front of the masonry, use wood screws to mount wall thimble cover to framed wall, over retro connector and 10" (254mm) square framed opening (Figure 22). If needed, add a section of direct vent pipe to the retro connector in order to extend through the opening in the wall thimble cover.
- Step 11. The connection between the appliance and the retro connector may be completed with sections of direct vent pipe.



WARNING: If any other appliances have been previously attached to this masonry flue or an open fireplace, etc., all openings into flue should be sealed properly. It is very important that there is only one appliance on a vent system and that there are no air leaks into the masonry chimney itself other than the vent appliance venting.

VENTING

GAS LINE REQUIREMENTS

- The gas line must be installed in accordance with all local codes, if any; if not, follow ANSI 223.1 and the requirements listed below. Ensure that a 1 1/4" allowance from base of unit is made for hard pipe installation, see page 13, Minimum Framing Dimensions.
- The fireplace and gas control valve must be disconnected from the gas supply piping during any pressure testing of that system at test pressures in excess of 1/2 psi. For pressures under 1/2 psi, isolate the gas supply piping by closing the manual shutoff valve.
- The appliance must be isolated from the gas supply piping system by closing its equipment shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psi (3.5 kPa).
- Leak test all gas line joints and the gas control valve prior to and after starting the fireplace.

FUEL

This unit is manufactured for use with natural gas. To convert to liquid propane gas, the LP Conversion Kit provided with the fireplace is required and must be installed by a qualified gas installer.

GAS LINE CONNECTION

A manual shutoff valve is to be installed in the unit by your installer.

GAS INLET PRESSURE

- All other gas appliances in the household must be turned "ON" to check Inlet Pressure, and;
- Inlet pressure can only be checked with fireplace burner "ON".

Input Pressure	Standard	Minimum	Maximum
	Natural Gas	7" W.C.	4.5"W.C.
Propane	11" W.C.	11"W.C.	14"W.C.

If the pressure is not sufficient, ensure: 1) the piping used is large enough, 2) the supply regulator is adequately adjusted, and 3) that 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.

ELECTRICAL CONNECTION

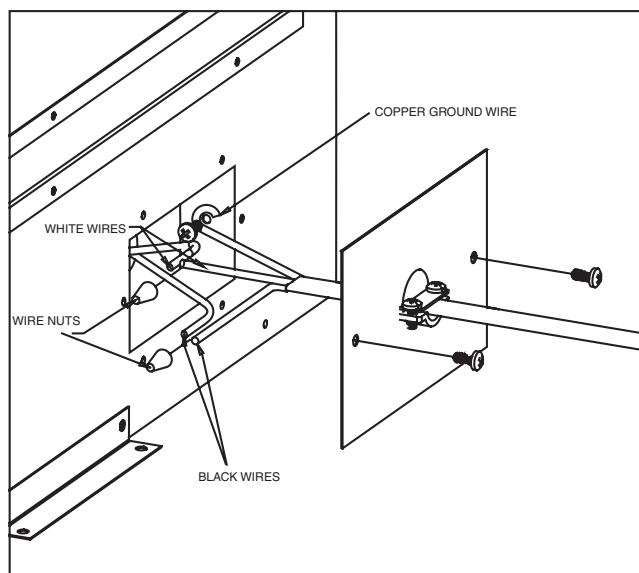
Make sure the household breaker is shut off prior to working on any electrical lines.

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

The electrical line must be at least 14 gauge and supply 120 Volts at 60 Hz (2 Amps)

- Remove the junction box cover at the right rear corner of the fireplace near the base.
- Feed the electrical line through the strain relief (use insulated Romex type wire).
- Remove the wires from the junction box. Expose approximately 1/2" of metal wire from each line of the electrical line. Use wire nuts to secure the wires together. Connect copper ground wire to grounding screw as shown in figure above, connect the white wire to the common wire (usually white), and the black wire to the hot wire (usually black).
- Push the wire connections into the junction box. Replace the cover plate.
- Tighten the strain relief onto the outer insulation of the electrical line to secure.

CAUTION: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.



OPTIONAL THERMOSTAT INSTALLATION

A remote control or wall switch may be wired to the TH and TPTH thermostat terminals. See your dealer.

BRICK INSTALLATION

NOTE: Installation of the brick set should be made prior to the logset, lava rock and mineral wool installation.

1. Remove glass door by releasing the 4 spring latches, 2 at the top of door and 2 at bottom. Remove mounting screws and clips on right and left top of firebox. See Fig. 4 for location.
2. Place rear brick behind lip on burner tray against rear of firebox. Fig. 1
3. Place top brick on top of rear brick and hold into place with your hand while next brick is installed. Fig. 2
4. With top brick held into place, slide right or left brick into place along burner tray. Then slide next side panel into place. Fig. 3
5. Attach brick retaining clips to right and left sides using mounting screws and clips removed in Step 1. Fig. 4.

LAVA ROCK & MINERAL WOOL INSTALLATION

1. Pour lavarock around edges of burner tray. Use both bags supplied with unit. You want a nice even layer of rock. Take care not to cover up log pins with rock. Fig. 5
2. With about 1/2" pinches of mineral wool, cover burner pan with even layer. Take care not to block ports on burner pan.

FIG. 1

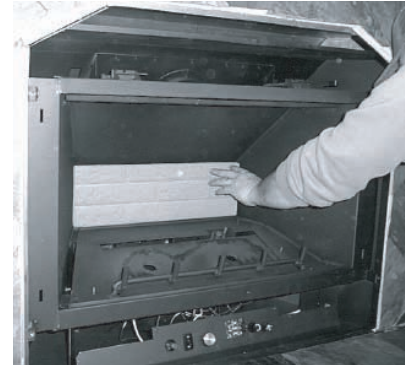


FIG. 2

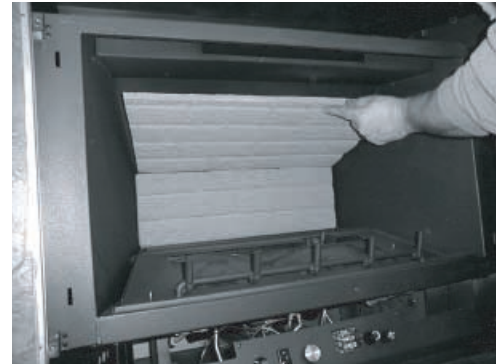


FIG. 3



FIG. 4

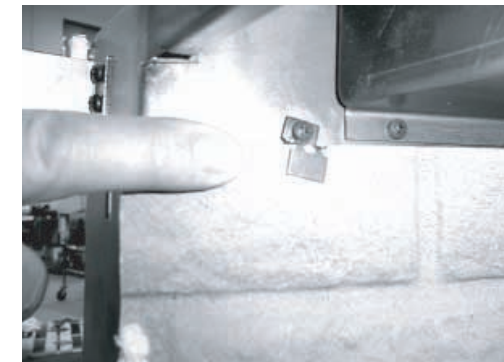


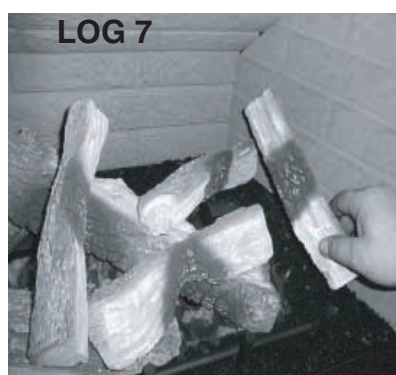
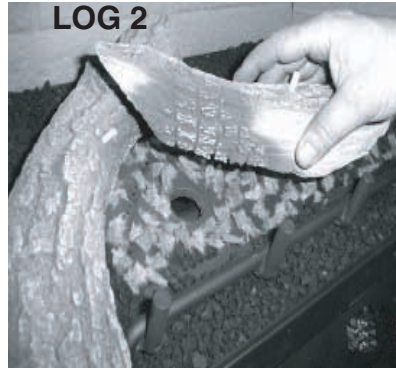
FIG. 5



FIG. 6

LOG INSTALLATION

1. Install bottom left log by setting log on front pin and rotating log to the left until it just touches back brick panel, see LOG 1.
2. Install front left log by bending up tap on middle front of burner tray. Left log has (1) slot that will set over tap and (1) hole that will set over poin on bottom left log, see LOG 2.
3. Bottom back log sets into place and will be located by pins on top logs. LOG 3
4. Install top left log by placing over the two pins as shown in LOG 4.
5. Place back right log on pin in burner tray and pin located on rear log as shown in LOG 5.
6. Right side log will pin on back right log on burner tray as shown in LOG 6.
7. Front right log pins on front left log and bottom back log as shown in LOG 7.

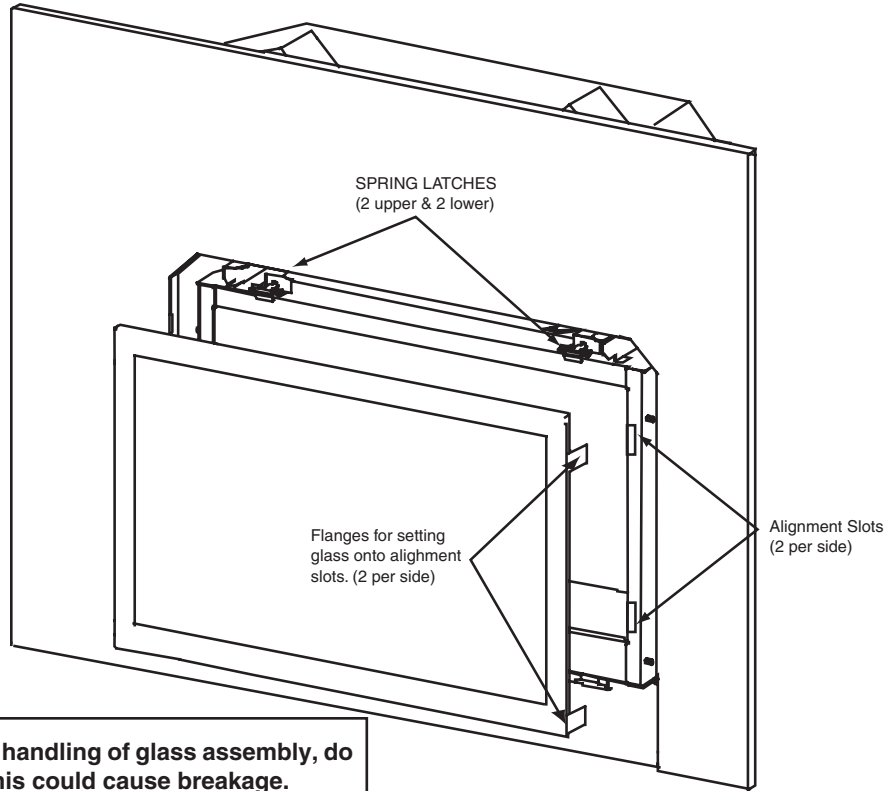


LOGSET INSTALLATION

INSTALLING GLASS

Use only Part #842-3821, Replacement Glass, available from your dealer to replace glass in the QFP 30 Fireplace.

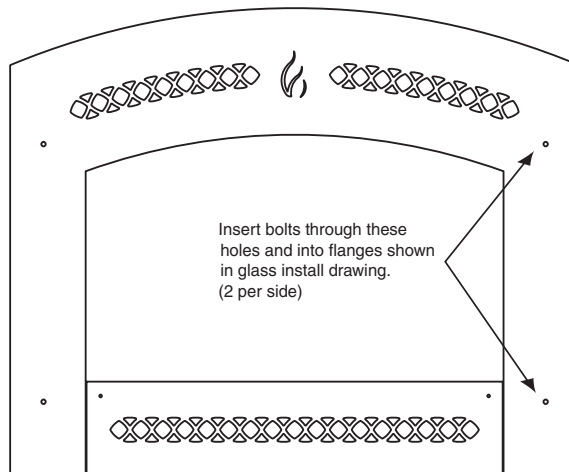
To install the glass assembly, lift and set the bottom extensions onto the bottom alignment slots located at the edge of firebox--refer to diagram below. With the bottom edge of door/glass assembly resting on the bottom alignment pins, lift door/glass up and onto the top alignment slots. Secure the door/glass assembly to the appliance with the spring latches, two on top and two at bottom.



CAUTION: Use care in handling of glass assembly, do not strike or slam as this could cause breakage.

INSTALLING FASCIA

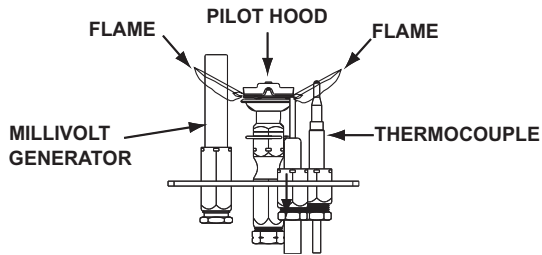
All fascias attach to four bolt openings located two per side on the door/glass frame. Insert and finger start bolts tightening with the 5/32" Allen wrench supplied with unit.



GLASS & FASCIA INSTALLATION

LEAK TEST

1. Turn on gas to the fireplace.
2. Turn on gas at the manual shutoff valve.
3. Leak test all gas joints prior to starting the appliance.
4. Familiarize yourself with the control panel components, see page 36.
5. Follow Lighting Instructions on next page to light the pilot and then the main burner.
6. Leak test all gas joints again.
7. Check the pilot flame ensuring that it looks like the illustration below. Adjust the pilot flame if necessary.



WARNING! You must clean all fingerprints and oils from any gold surface prior to firing the fireplace for the first time.

INITIAL START-UP: NORMAL OCCURRENCES

Fumes from curing paint and oil burning off the steel is a normal occurrence. Open window to vent the area until fumes disappear.

Condensation appearing on the glass each time you start the fireplace is also normal.

Blue Flames will occur on the initial start-up. After fifteen minutes the flames will become the yellow/orange flame color.

Remote Wall Switch: If you install a remote wall switch to operate the fireplace, leave the ON/OFF switch on the fireplace control panel in the "ON" position.

- Do not place any combustible items on top of or directly in front of the fireplace, even temporarily. The optional thermostat may start the fireplace causing a combustible item to ignite.
- If the fireplace turns on and off frequently while using the thermostat, you may want to adjust the flame height down until it produces just enough heat needed, or relocate the thermostat further away from the fireplace.

LIGHTING INSTRUCTIONS

- A. This appliance has a pilot that must be lit manually. When lighting the pilot, follow these instructions exactly.
- B. BEFORE LIGHTING, smell around the appliance areas for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

Do not try to light any appliance

Do not touch any electric switch; do not use any phone in your building

Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.


If you cannot reach your gas supplier, call the fire department.

- C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

LIGHTING INSTRUCTIONS

1. STOP! Read the safety information above on these instructions.
2. Set the thermostat to the lowest setting (if applicable) and turn off the switch at the control panel.
3. Disconnect power from appliance.
4. Remove fascia.
5. Open the door of the appliance with spring latches located at the top and bottom of the door.
6. Wait five (5) minutes to clear out any gas. Smell for gas, including near the floor. If you smell gas, STOP! Follow "B" of the safety information above. If you don't smell gas, go to the next step.
7. Push gas control knob in and turn to "PILOT" position. NOTE: Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.
8. Press down on the gas control knob in "PILOT" position and simultaneously press piezo igniter on the control panel. (This may take many repetitions for lighting.)
9. The pilot should be visible through the door.
10. After the pilot is lit, continue holding control knob down for Approximately 30 seconds. Release knob and it will pop back up. Pilot should remain lit. If it goes out, repeat steps 5 through 9. If the knob does not pop up when released, stop and immediately call your service technician or gas supplier. If the pilot will not stay lit after several tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.
11. Close appliance door.
12. Turn gas control knob to "ON".
13. Turn burner switch on the control panel to "ON". If thermostat is to be used, leave switch in "OFF" position and set the thermostat to desired setting.
14. Reconnect electrical power to appliance.

TO TURN OFF GAS TO APPLIANCE

1. Set the thermostat to lowest setting.
2. Turn off all electric power to the appliance if service is to be performed.
3. Push in gas control knob slightly and turn clockwise  to "OFF" position. Do not force.

SHUTTER ADJUSTMENT

The shutter is pre-set to the open position at factory, so adjustment may not be necessary. Light stove and allow to burn for 20 minutes to allow logs to cure. While logs are curing you may notice a bright orange flame, this is normal. When this flame turns to yellow or disappears, the shutter adjustment can take place if flame height and/or color adjustment is required. Follow these procedures to make an adjustment:

1. Locate the shutter handle on the left of unit beneath the firebox and behind the control panel.
 2. Use a short Phillips screwdriver to loosen the shutter handle.
 3. With handle loosened, Push handle to left to get more yellow flames and to the right to obtain more blue flame.
 4. When desired flame color is reached tighten screw. If the flame is not satisfactory, repeat the procedure.
- This setting should only require attention during initial set-up.**

DAMPER ADJUSTMENT

NOTE: Fireplace must be operating to make this adjustment. Adjustment must be done before fascia is installed

An adjustable damper is built in to the unit to control the flow rate of exhaust gases. This ensures proper combustion for your vent configuration and is also a factor in flame appearance.

The damper control arm is located above unit on right hand side. With a flashlight, locate the arm. There is a Phillips screw on right side of damper handle. Loosen screw and slide handle either in or out to adjust.

Push handle in to CLOSE down exhaust flow.

Pull handle out to OPEN exhaust flow.

When desired flame appearance is obtained tighten screw.

ADJUSTING FLAME HEIGHT

The flame of the fireplace is adjustable in order to tailor the look and heat output to your specific needs. It is adjusted by turning the Comfort Control dial on the control panel, see page 36.

ADJUSTING THE BLOWER SPEED

The blower will turn on automatically within approximately 10 minutes after start-up and the fireplace is up to temperature. This aids in transferring the heat into the living area. The blower speed can be increased or decreased using the Fan Speed knob on the control panel, see page 36.

NORMAL OPERATING SOUNDS

- Blower** The fireplace uses a 160 cfm blower to circulate heated air into the living area. It produces a whirring sound which increases in volume as the speed is increased.
- Pilot Flame** The pilot flame remains on constantly and makes a “whisper” sound.
- Gas control valve** As the valve opens and shuts down it will click.
- Burner pan** The burner pan is located beneath the logs. It distributes the gas producing a clean, efficient and aesthetic burn. As the main burner gets up to temperature a creaking sound will be heard. This is the expansion of the metal. The sound will cease once the fireplace is up to temperature but may return upon cool down.
- Blower snap disc** This part may produce a clicking sound as the blower turns on and off.
- Heat Exchanger** A normal expansion and contraction sound may be heard.

HIGH ALTITUDE OPERATION

In Canada, this unit is approved from 0 to 4500 feet above sea level. Installation of this stove at altitudes above 4500 feet is subject to field test of the individual installation and approval by the local authority having jurisdiction.

In the United States, input ratings of this unit are based on sea level operation, and shall not be changed for operation at elevations up to 2000 feet. For operation at elevations above 2000 feet, this stove shall be reduced at the rate of 4% for each 1000 feet above sea level.

Exception: As permitted by the authority having jurisdiction.

To adjust stove for operation above 2000 feet the burner orifices may need to be changed. The orifices are located beneath the log set so it is necessary to first remove the logs. To do so please refer to the following detailed instructions to achieve optimum performance of your stove.

WARNING ! The following procedure should only be undertaken by a qualified and certified gas appliance installer.

CAUTION: DISCONNECT ANY ELECTRICAL CORDS AND TURN OFF GAS SUPPLY TO UNIT BEFORE PROCEEDING.

1. If logset is installed, remove logs, lava rock and embers.
2. With a Phillips screwdriver, remove seven screws (3 in front and 2 on each side), and lift out burner tray.
3. Remove the two Phillips head screws that secure the burner pan in place.
4. Remove the burner pan by sliding to the right and lifting out. (Shutters may need to be adjusted 'closed' to make this easier).
5. Slide shutters out of the way. Using a 5/8" wrench or socket, remove the orifice and replace with proper orifice for the specified gas. See below.
6. Reinstall burner pans and adjust shutters to 'open' position.

CAUTION: The correct orifice placement is critical for proper appliance performance follow BTU de-rating chart below to locate the necessary orifice size for the front and rear burners.

**equivalent orifice sizes at high altitudes
(Includes 4% Input Reduction For Each 1000 Feet)**

Orifice size at Sea Level: <u>Natural Gas</u>		2000	3000	4000	5000	6000	7000	8000	9000	10000
	Front	36	36	36	37	38	39	40	40	41
<u>Propane</u>										
Front	52	52	52	52	53	53	53	54	54	54

OPERATION

Read this entire manual prior to using the fireplace. Pay particular attention to the "Safety Precautions" section on pages 6-9. Failure to follow the instructions may result in property damage, bodily injury, or even death.

MAIN BURNERThis control is used to turn the fireplace on and off.

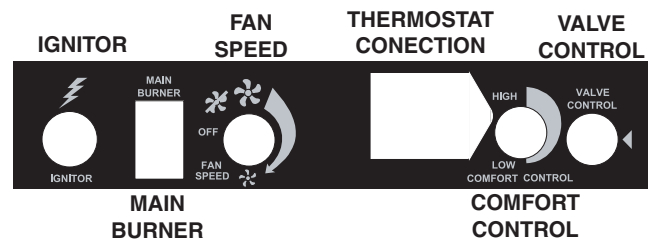
PILOT IGNITORThe pilot ignitor is used only to start the pilot. When pressed, it sends an electrical charge to the pilot assembly. This creates a blue spark directly next to the pilot, igniting the pilot flame.

VALVE CONTROLThis knob is used to control gas to the fireplace and for starting the pilot. There are three positions, ON, OFF, & PILOT. The pointer on the panel indicates the position of the knob.

COMFORT CONTROL..... This knob controls the flame height from low ("LO") to high ("HI").

FAN SPEEDThis knob controls the speed of the internal convection blower that pushes the heated air into the room.

NOTE: If using a remote control or thermostat, the On/Off Switch must be left "OFF". Turning the On/Off Switch "ON" will keep the fireplace on continually.



MAINTENANCE

GENERAL

Installation and repair should be done by a qualified service person.

The appliance and its venting system should be inspected before use and at least annually by a qualified agency.

More frequent cleaning may 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.

The appliance area must be kept clear and free from combustible materials, gasoline and other flammable vapors and liquids.

A periodic visual check of pilot and burner flames must be done, refer to pilot flame diagram on page 33 of this manual for proper pilot flame operation and appearance. Refer to page 35 of this manual for proper burner flame operation and appearance.

If the unit's installation is tampered with, or its venting system is removed for any reason, a proper reassembly and resealing of the vent-air intake system must be performed and checked by a qualified agency prior to operation.

GOLD OR NICKEL FASCIA - CARE AND TREATMENT

WARNING! You must clean all the fingerprints and oils from gold or nickel surface prior to firing the fireplace for the first time.

Use a glass cleaner or vinegar and a very soft towel to remove the oils. If gold or nickel fascia is not cleaned properly prior to lighting the first fire, the oils remaining from fingerprints can cause permanent markings on the gold plating. After the plating is cured, the oils will not affect the finish and regular maintenance can be provided using glass cleaner and a very soft cloth as needed.

YEARLY SERVICING PROCEDURES

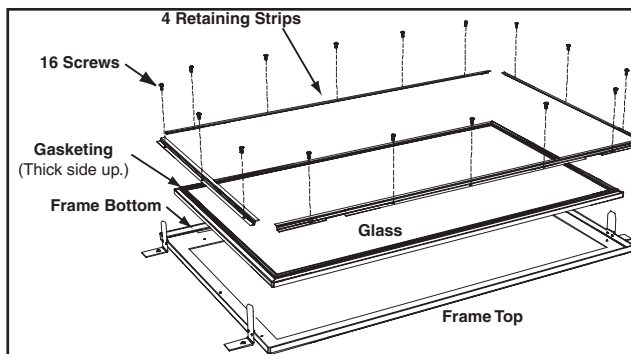
WARNING! Failure to inspect and maintain the fireplace may lead to improper combustion and a potentially dangerous situation. The following procedures are recommended to be completed by a qualified technician once per year, preferably prior to the heating season.

1. Check the pilot flame. It should engulf approximately 3/8" of the top of the thermopile and engulf the top of the thermocouple (see illustration on page 33).
2. Shut off gas to the fireplace by turning the valve control knob to "OFF" (see step A under "Starting the Pilot" on page 34). Allow the fireplace to cool for 15 minutes. Remove the fascia and glass.
3. Remove the log set (NOTE: the logs are extremely fragile ceramic. If any log is cracked or deteriorated, replace it when reinstalling. Check the logs for sooting. A small amount of soot along the bottom of the logs is normal. If excessive sooting is found, the fireplace will require adjustment. Contact your dealer.
4. Clean the burner pan (especially in the burner holes and slots) and inspect the following:
 - a. Check for burner pan holes that are cracked, severely warped, or corroded.
 - b. Make sure the burner pan assembly fits flat against the floor of the firebox.
 - c. 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. Reinstall the log set. Reinstall the glass (if the glass is damaged, contact your dealer for a replacement) Make sure the gasket along the perimeter of the glass contacts the face of the firebox and forms an airtight seal. If it does not, realign or replace the gasket to insure an airtight seal. Reinstall the fascia.
6. Inspect the area behind the access door. Check the gas control valve and all of the gas lines. If any damage is found, discontinue use and contact your dealer for service.
7. Start the pilot and turn on the main burner. 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 the blower operation.
8. Remove any debris or vegetation near the vent termination, ensuring that the flow of combustion and ventilation air is not obstructed. Contact your dealer if any sooting or deterioration is found near the vent termination.

GLASS REPLACEMENT

Replace glass with part #842-3820 ONLY, available from your dealer.

1. Turn valve to "OFF" position to prevent start-up of unit while door is removed.
2. Prepare a flat area to lay the door on by covering the surface with cardboard, disposable tarp or paper large enough to contain the entire door.
3. Wear leather gloves, long sleeves and safety glasses to protect against injury from any broken glass.
4. Ensure that unit has completely cooled. Remove fascia, then door.
5. Lay door on prepared surface with the front facing down.
6. Use a Phillips screwdriver to remove the 16 screws holding the four retaining strips in place and set aside.
7. Carefully remove the retaining strips and set aside.
8. Carefully remove broken/defective glass and dispose of pieces. Dust any particles of glass off the door frame and dispose of the covering it was laid on. Any particles of broken glass could scratch the replacement piece if contact is made during the replacement. Scratches in the glass may cause breakage.
9. Place a clean covering on your work surface.
10. Position the door frame face down upon the clean surface and place the new glass on the frame with the thin side of gasketing down, facing the front.
11. Reinstall the retainer strips using the screws removed earlier. Take care not to over tighten the screws.
12. Replace the glass but do not latch until Lighting Instructions (page 34) have been completed.
13. Replace fascia.



GLASS CLEANING

WARNING! DO NOT CLEAN GLASS WHEN HOT! TURN UNIT OFF AND ALLOW TO COOL. DO NOT USE ABRASIVE CLEANERS ON GLASS SURFACE!

1. Turn off pilot light.
2. Remove fascia.
3. Open door by releasing four spring latches, two on top and two on bottom of glass.
4. Using glass cleaner, wipe with soft cloth or clean paper towel until surface is dry.
5. Relight pilot.
6. Close door.
7. Replace Fascia.
8. Check main burner's operation.

NOTE: If you observe a white film on the door glass, use a hard water deposit glass cleaner or contact your dealer. The use of a glass cleaner will reduce the mineral deposits.

NOTE: Do not use abrasive materials or chemical cleaners.

BLOWER REPLACEMENT

Part #842-3790

1. Disconnect power to unit at power supply (this may require shutting off power at the circuit breaker box).
2. Remove fascia and door.
3. Remove control panel cover.
4. Disconnect white wire from white wire at junction box in unit.
5. Disconnect black wire from snap disc.

NOTE: Removing the blower requires passing the blower unit through a restricted area. Care must be taken to ensure that your gas line is out of the way. Depending on your gas line installation, it may be necessary to disconnect your gas line on the valve side of shutoff within the unit and move the flex line aside.

6. Reach in and use Phillips screwdriver to remove (2) screw in front of blower. Slide blower and plate off.
7. Pull blower forward, towards the back of valve.
8. Slide blower all the way to your right.
9. Rotate left side of blower towards the front of unit.
10. Carefully maneuver blower out the front, over gas line between control panel and door latch.
11. Pull old blower off of blower plate and replace with new part. Take care to get blower and (4) rubber mounts back into place.
12. Install new blower in reverse order.

NOTE: When installing new blower ensure that rubber grommets on the end being inserted first are not dislodged from the blower.

TROUBLESHOOTING

Pilot won't light

- Is a gas shut-off valve turned on?
- Is the valve control knob turned to "PILOT"
(See Lighting Instructions, #7, Pg. 34).
- Is the valve control knob pushed in? (See Lighting Instructions.)
- Was the igniter pressed repeatedly? (See Lighting Instructions.)

Main Burners Will Not Start

- Has the pilot light gone out? (See Lighting Instructions.)
- Is the gas control valve turned to "PILOT" or "OFF" ?
(See Lighting Instructions).
- Is the ON/OFF switch in the "OFF" position? (Turn to "ON")
- Is the remote control working correctly?
(See instruction manual for the remote control).
- Is the thermostat disconnected or set too low?
- If LP, is the tank empty?

Remote Control Does Not Turn Unit On / Off

- Has the pilot light gone out? (See Lighting Instructions.)
Is the gas control valve turned to "PILOT" or "OFF"? (See Lighting Instructions).
- Is the ON/OFF switch turned to "OFF"? (Turn the switch to "OFF")
If the switch is on, unit will remain on.
- Is the remote too far away from the fireplace? (Use remote closer to fireplace)
- Is the remote control receiver turned "OFF"?
(See instruction manual for the remote control).
- Are the remote control batteries dead?
(See instruction manual for the remote control).

Thermostat Does Not Work

- Has the pilot light gone out? (See Lighting Instructions.)
- Is the gas control valve turned to "PILOT" or "OFF" ?
(See Lighting Instructions).
- Is the thermostat set too low? (See Thermostat Operation.)
- Is the On/OFF switch turned to "OFF"? (Set the switch to "ON")
If switch is on, unit will remain on. (The switch overrides the thermostat.)

Fireplace Will Not Distribute Heat

- Is the fireplace getting electricity? (Check the breaker switch)
- Is the fireplace up to temperature? (See Operating Procedures.)
- Is Blower operational? (Check Fan Speed control.)

Pilot Goes Out Once a Month or More

- Has the gas supply been shut off? (Keep gas supply turned on)

Flames Are Too blue

- Has the fireplace just been started? (This is normal - see Initial Start-up.)
- Primary Air adjustment--contact dealer.

Flames Are Too Short (Under 6")

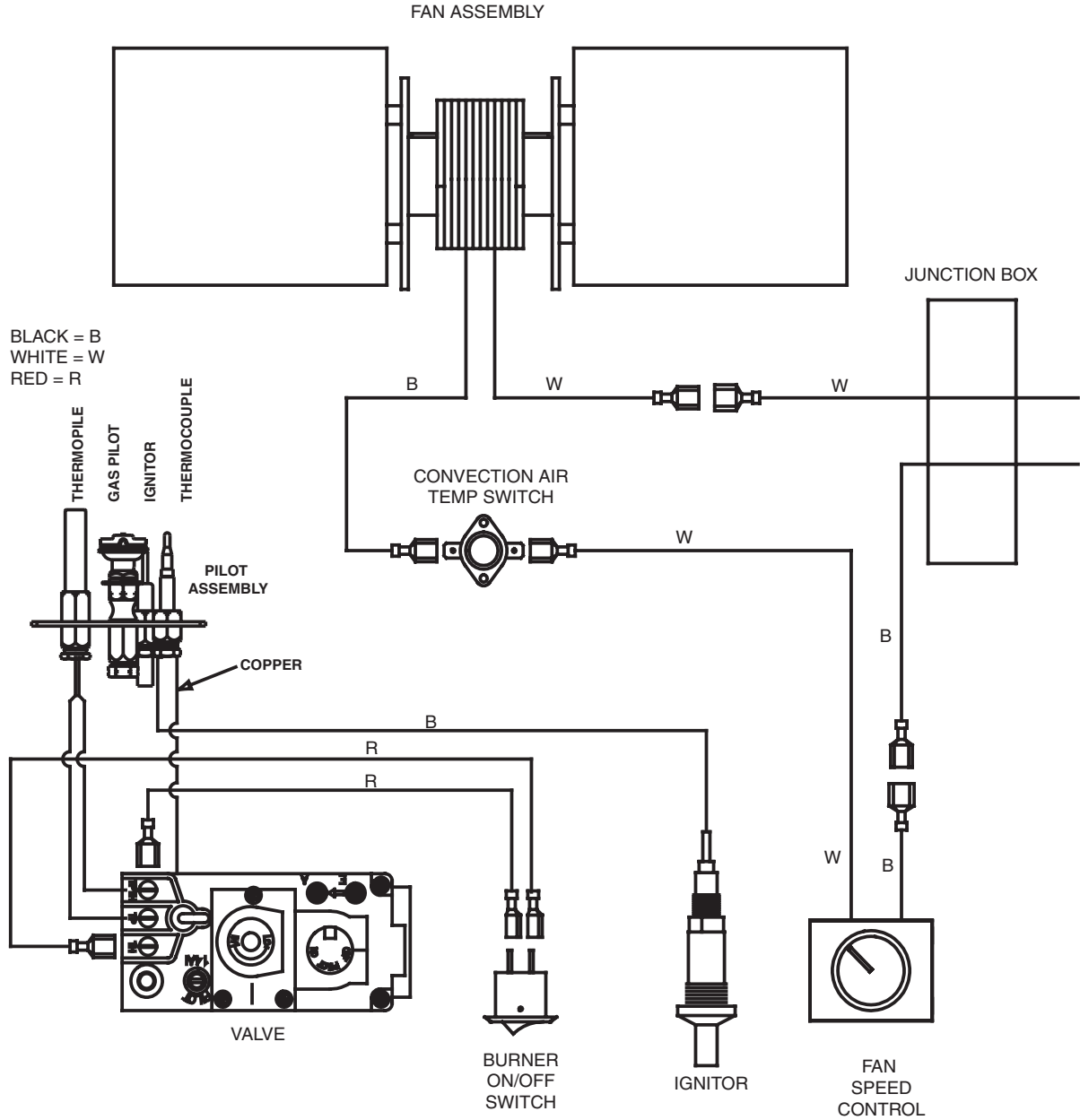
- Is the flame height may be turned too low? (Turn the flame height to "HI"; see Adjusting the Flame Height.)
- Primary air adjustment - Contact Dealer.
- Damper adjusted properly? - Contact Dealer.

Thin Layer of Soot Covers the Glass

- Are the logs or embers placed incorrectly? (See Log Set Installation.)
- Is the air shutter adjusted properly? (Contact Dealer for Air Shutter adjustment)
- Damper adjusted properly?

ELECTRICAL SCHEMATIC

ELECTRICAL SCHEMATIC



WARRANTY

LIFETIME WARRANTY

The Aladdin Hearth Products limited Lifetime Warranty guarantees that the following components will work as designed for the lifetime of the stove or Aladdin Hearth Products will repair or replace them. These items include, but are not limited to, steel and cast iron components, all gas burners, gas logs, combustion chambers, heat exchanger systems, stainless steel firebox components, gold plating, doors, glass damaged by thermal breakage, baffles and manifold tubes. Labor is covered for the first five years.

THREE-YEAR WARRANTY

Our EZ Clean firepots are covered under Aladdin Hearth Products three-year warranty program. Labor is covered for 3 years.

ONE-YEAR WARRANTY

All electrical components such as, but not limited to, blowers, wiring, vacuum switches, speed controls, control boxes, thermodisc switches, pilot assemblies, gas valves, thermostats and remotes are covered under Aladdin Hearth Products one-year warranty program. Carburetors, burner rings and catalysts are covered under Aladdin's one-year warranty program. Porcelain finishes are warranted against manufacturer defects for one year. Labor to repair or replace these parts is covered for one year and reimbursed per our warranty service fee schedule. The igniter is not covered by any warranty, expressed or implied.

CONDITIONS

This warranty is non-transferable and is made to the original retail purchaser only provided that the purchase was made through an authorized dealer of Aladdin Hearth Products. It must be installed and operated at all times in accordance with the Installation and Operating Instructions furnished with this product, as well as any applicable local and national codes. Any alteration, willful abuse, accident, or misuse of the product shall nullify this warranty.

Labor to repair or replace items covered under the limited Lifetime Warranty will be covered for the first five years per our warranty service fee reimbursement schedule. Parts covered under the limited Lifetime Warranty will be covered for the lifetime of the appliance up to a maximum of five years after Aladdin Hearth Products discontinues the model. Adjustments, regular maintenance, cleaning and temporary repairs do not qualify for a service call fee and will not be covered. The replacement of consumer replaceable items and installation of upgraded component parts do not qualify for a service call fee, and will not be covered.

This limited Lifetime Warranty does not extend to or include surface finish on the appliance, logs for oil or pellet stoves, door gasketing, glass gasketing, thermocouple covers, firebrick, kaowool or other ceramic insulating materials. It does not cover installation or operational-related problems such as the use of corrosive driftwood, downdrafts or spillage caused by environmental conditions, nearby trees, buildings, hilltops, mountains, inadequate venting or ventilation, excessive offsets, or negative air pressures caused by mechanical systems such as furnaces, fans, clothes dryers, etc.

Any installation, construction, transportation, or other related costs or expenses arising from defective part(s), repair, replacement, etc., will not be covered by this warranty, nor will Aladdin Hearth Products assume responsibility for them. Further, Aladdin Hearth Products will not be responsible for any incidental, indirect, or consequential damages, except as results in damage to the interior or exterior of the building in which this appliance is installed. This limited Lifetime Warranty does not apply to the venting components, hearth components or other accessories used in conjunction with the installation of this product not manufactured by Aladdin Hearth Products.

This warranty is void if the stove has been overfired or operated in atmospheres contaminated by chlorine, fluorine, or other damaging chemicals; the stove is subjected to prolonged periods of dampness or condensation; or there is any damage to the stove or other components due to water or weather damage which is the result of, but not limited to, improper chimney or venting installation. Aladdin Hearth Products may, at its discretion, fully discharge all obligations with respect to this warranty by either repairing or replacing the unit, or refunding the wholesale price of the defective part(s).

This limited Lifetime Warranty is effective on all Dovre and Affinity appliances sold after July 1, 1998 and all Quadra-Fire appliances sold after September 1, 1996, and supersedes any and all warranties currently in existence.

Warranty Policy: 8-7-01

WARRANTY

PARTS & ACCESSORIES

DESCRIPTION REPLACEMENT PART #

Valve (NG).....	842-0240
Pan Burner	842-4760
Glass	842-3821
Pilot Assembly, NG.....	842-4280
Burner Orifice NG.....	198-37B
Injector Orifice EZ, LP #35	842-4270
Burner Orifice LP .063 (#52)....	172-36E
Logset (7 pieces).....	842-4740
#1 Bottom Left Log	842-4670
#2 Front Left Log	842-4680
#3 Bottom Back Log	842-4690
#4 Top Left Log	842-4700
#5 Right Rear Log	842-4710
#6 Right Side Log	842-4720
#7 Right Front Log.....	842-4730
Brick (3 pieces).....	841-4750
Blower.....	832-3210
Lava Rock.....	843-1440
Mineral Wool.....	844-1060
Brick (3 pieces).....	841-4750
Rheostat	842-0370
On/Off Switch	842-1660
Piezo Igniter.....	842-0361
Blower Snapdisc, 125°	832-2970
Owner's Manual.....	250-6120

ACCESSORIES

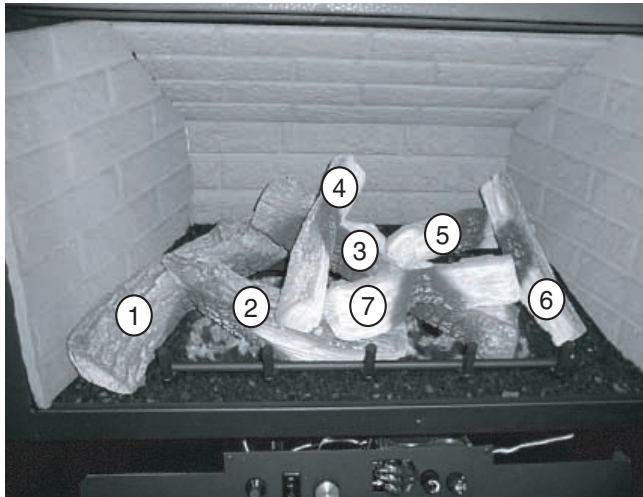
Fascia, Arched Gold.....	842-4610
Fascia, Arched Brushed Nickel.....	842-4620
Fascia, Arched Black.....	842-4630
Air Duct Kit.....	HTZ-2000

REPLACEMENT PARTS AS FOUND ON EXPLODED VIEW

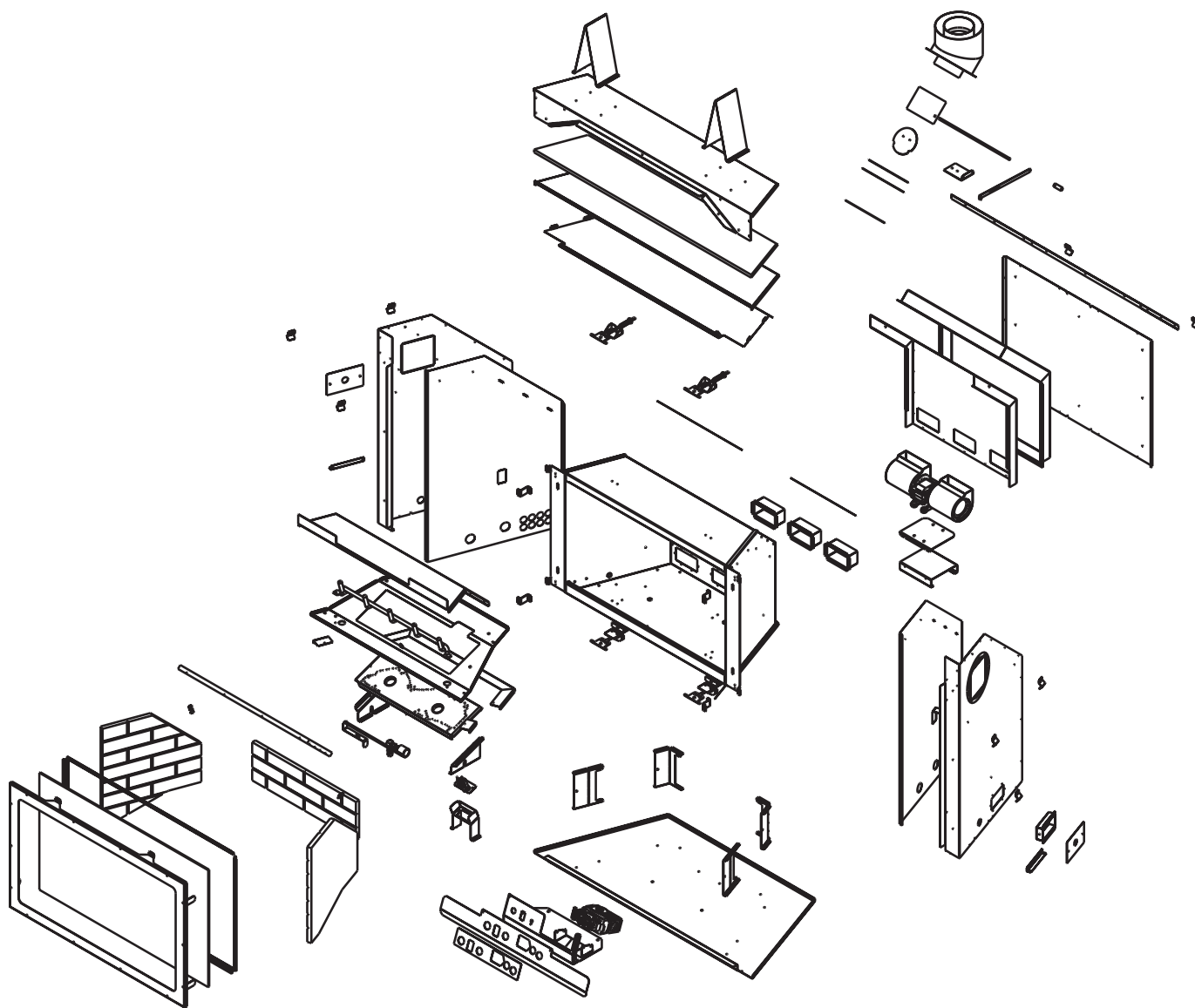
DASH BOARD.....	460-0090
BURNER PAN REAR SUPPORT.....	460-0120
BURNER PAN SIDE SUPPORT	460-0130
BURNER SUPPORT LEFT	460-0160
BURNER SUPPORT RIGHT.....	460-0170
BURNER NECK	30907
GLASS RETAINER, HORIZONTAL	460-0190
GLASS RETAINER, VERTICAL.....	460-0200
FASCIA MOUNTING BRACKET	460-0400
BLOWER ELEVATOR.....	460-0420
BLOWER BRACKET	460-0430
BLOWER CLIP	460-0600
ELB, BRASS.....	17524A
ADAPTER.....	200-0710
KNOB, SPEED CONTROL.....	200-2040
FLEX LINE.....	200-2520
VALVE BRACKET	460-0060
PILOT BRACKET	460-0150
GROMMET	229-0850
BRICK CLIP.....	451-2330
VALVE, GAS, NG, SIT 820	230-0710
REGULATOR NG.....	844-8550
REGULATOR LP.....	844-8560
BURN TUBE GASKET	240-0870
TADPOLE GASKET	240-0880
CONTROL PANEL LABEL	250-6020
3/8 X 15 FLEX TUBE.....	26202
BULKHEAD	26457
RELIEF DOOR LATCH	29291
WIRE HARNESS.....	450-7221
PAL NUT	72294
DOOR FRAME	460-0180
BRICK, TOP	460-0560
BRICK, BACK.....	460-0280
BRICK, LEFT SIDE	460-0300

PARTS & ACCESSORIES

LOG IDENTIFICATION #'S



EXPLODED VIEW



EXPLODED VIEW

AIR DUCT KIT INSTALLATION INSTRUCTIONS PART #HTZ-2000

APPROVALS

The HTZ-2000 air duct kit is approved to use on Heatilator Maxus gas fireplaces and on Aladdin Hearth Products Quadra-Fire QFP30 gas fireplace.

INTRODUCTION

The HTZ-2000 accessory kit conveys warm air from the fireplace through air duct(s) to remote locations in the same room or other rooms of the building. See Figure 1. One or two HTZ-2000 kits can be installed on the fireplace.

PRELIMINARY PREPARATION

1. Contents of kit:

- * 20-ft. length of 6" round duct
- * Fan housing assembly
- * Junction box
- * Variable Wall Rheostat
- * Air register
- * Register adapter frame - Thick
- * Fireplace duct collar
- * Duct adapter - (round to oval)
- * Hardware

If any parts are missing or damaged, contact your Dealer before starting installation. DO NOT install a damaged kit.

2. This kit is tested and safe when installed in accordance with this installation manual. It is your responsibility to read all instructions before starting installation and to follow these instructions carefully during installation.

3. Installation of this kit **MUST** be performed by a qualified service technician.

4. The HTZ-2000 kit is carefully engineered and must be installed only as specified. If you modify it or any of its components you will void the warranty, and you may possibly cause a fire hazard. Installation must be done according to applicable local, state, provincial, and/or national codes.

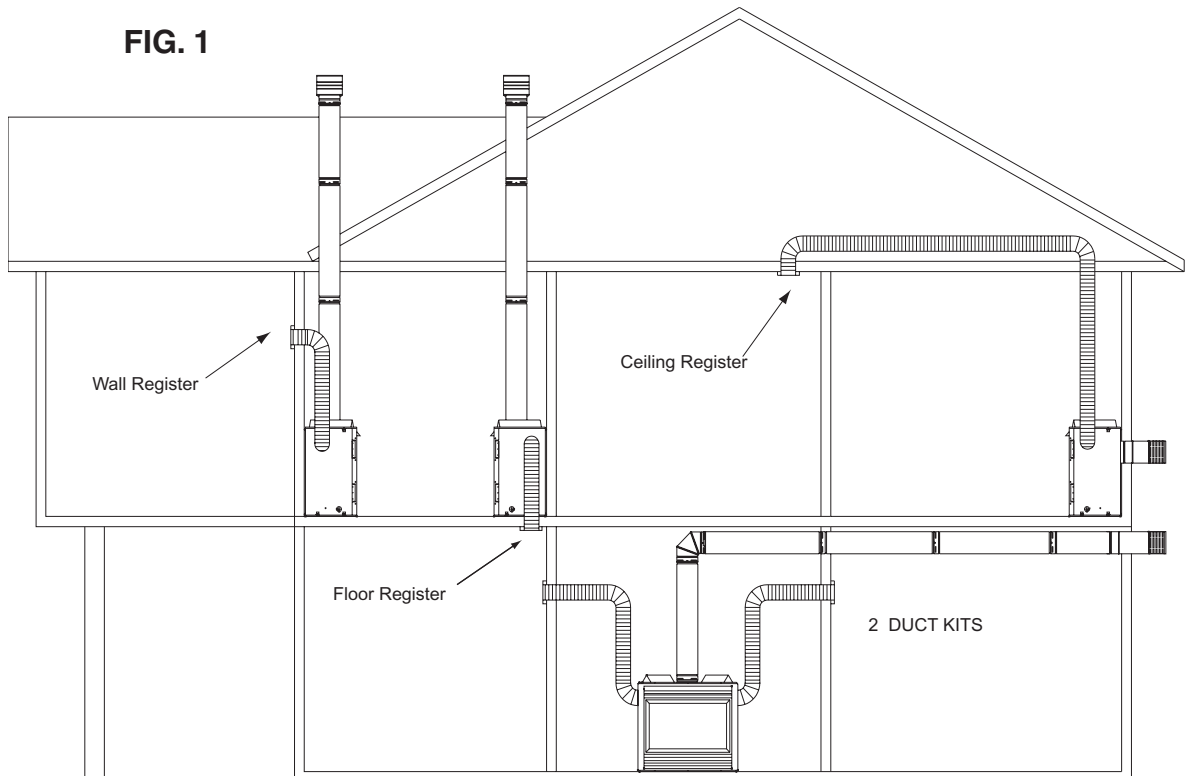
5. **CAUTION:** All wiring should be done by a qualified electrician and shall be in compliance with local codes and with the National Electric Code ANSI/NFPA No. 70-current (In the United States), or with the current CSC22.1 Canadian Electric Code (in Canada).

6. Plan the location of the fireplace and the warm air duct run(s).

MAXIMUM Duct Run = 20-ft. (6.1m) for useful heat output.

MINIMUM Duct Run = NA - for runs out from the fireplace to adjacent room OR down to the room below.

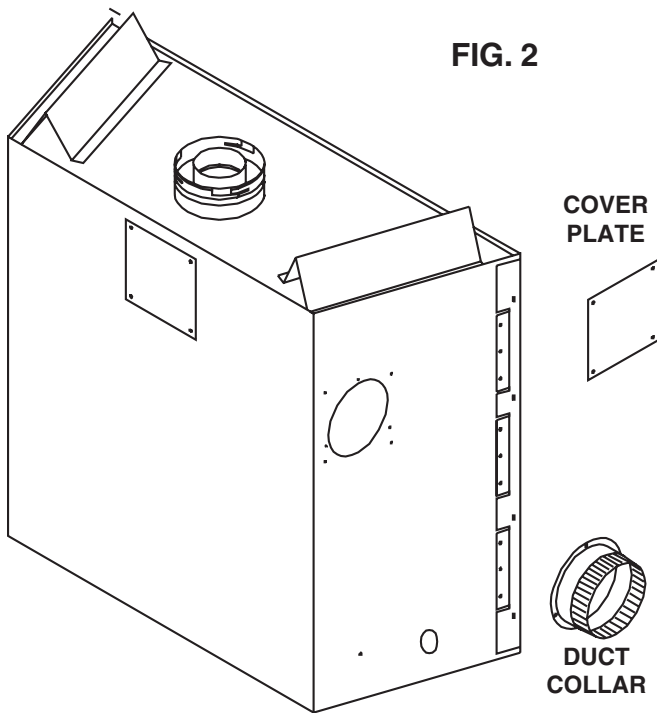
FIG. 1



Minimum Duct Run = 31-in. (787mm) top of fireplace to room above.

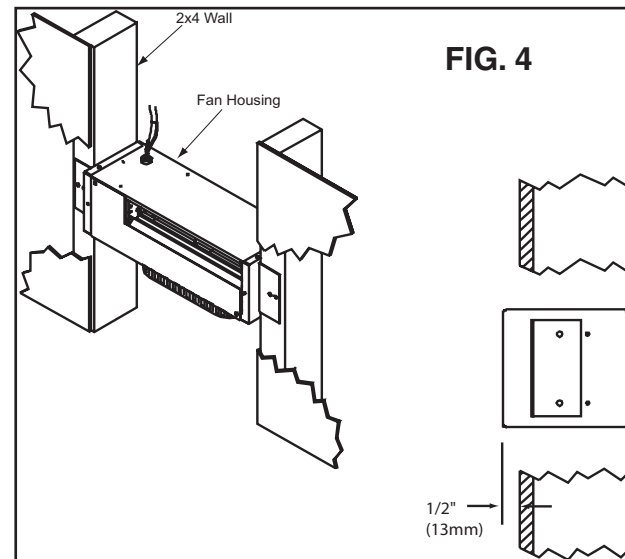
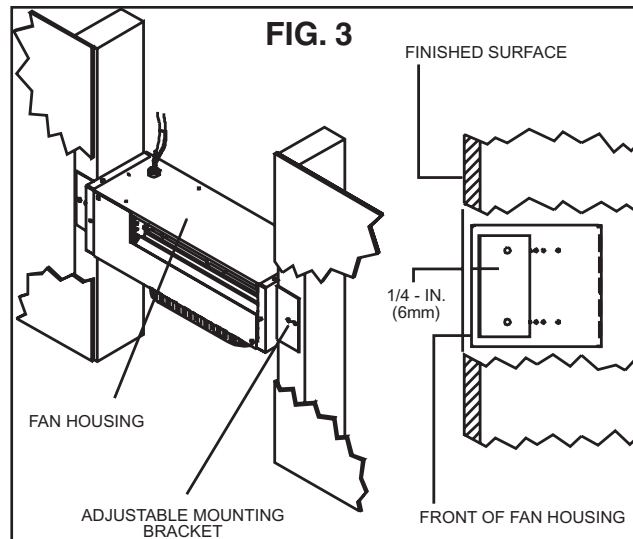
INSTALLATION

1. Remove the cover plate from the side of the fireplace and discard it.
2. Center the duct collar around the exposed hole and attach it to the fireplace with 3 screws. NOTE: Do this BEFORE final positioning of the fireplace. See Figure 2.



3. Determine the location for the air register/fan housing assembly. Cut a 5-in. x 13 5/8 - in. (127 x 346 mm) hole between framing members (wall studs or floor joists).

4. Mount and secure the fan housing assembly to framing members so the front surface is 1/4 -in. (6mm) below the finished wall or floor surface. Use the adjustable mounting brackets and screws provided in the kit. See Figure 3. NOTE: The brackets can be rotated 180o and mounted to the back side of the 2 x 4 if necessary.



NOTE: If the fan housing is installed in a 2 x 4 wall, the front of the housing will protrude approximately 1/2 - in. (13mm) out of the wall. See Figure 4.

HTZ-2000 AIR DUCT KIT INSTALLATION

5. Install the air duct run. **NOTE:** The air duct has a zero clearance to combustible construction.

ROUND AIR DUCT: Attach the 6" round air duct (supplied in the kit) to the fireplace collar with sheet metal screws and run the duct to the fan housing. Attach the round-to-oval adapter to the fan housing and the air duct to the adapter. See Figure 5.

OVAL AIR DUCT: Attach the round-to-oval adapter to the fireplace starting collar with sheet metal screws and a 6" oval duct to the adapter. Complete the duct run and attach the oval duct to the fan housing. **NOTE:** 6" metal oval air duct is **NOT** provided with this kit but can be purchased from an HVAC supplier.

ROUND and OVAL DUCT: A combination of 6" round and 6" oval air duct can be used in the duct run. Oval duct components must be purchased from an HVAC supplier.

6. Install the variable speed (with "OFF" setting) wall Rheostat in a convenient location. This switch will control the HEAT-ZONE fan operation.

7. Remove duct cover. Wire 110 VAC service **TO** the wall Rheostat and **FROM** the wall Rheostat to the fan junction box. Use wire nuts to secure the 110 VAC service wires to the hot and neutral fan wires and screw the 110 VAC ground wire to the fan box. See Wiring Diagram - Figure 6.

8. Screw the duct cover to the fan box.

9. Screw the register adapter frame and the air register to the fan housing.

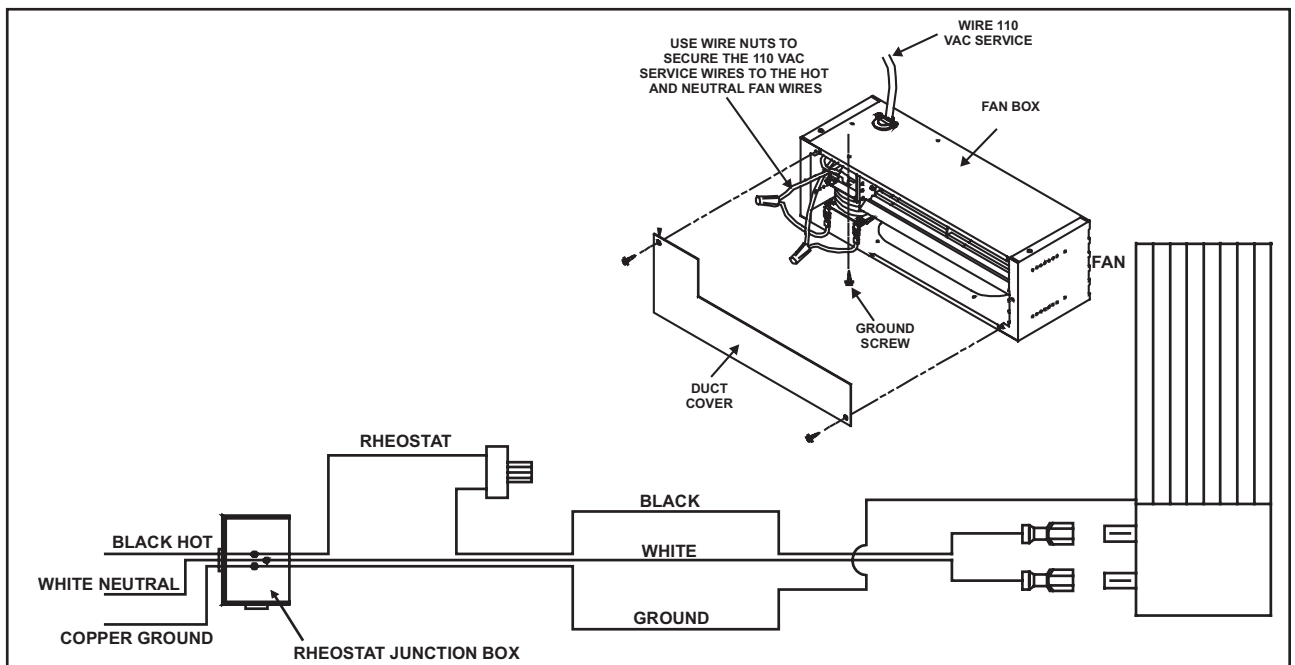
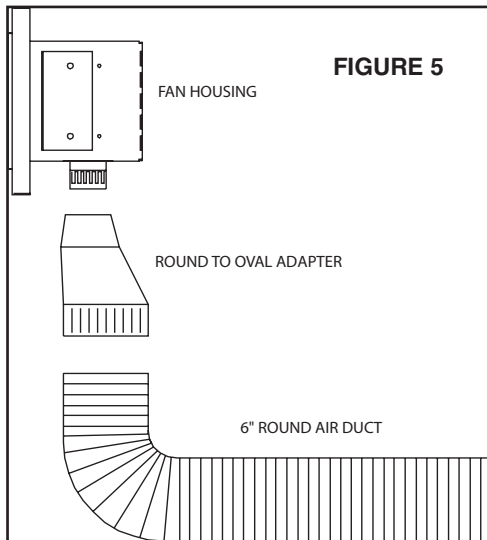
10. Complete the fireplace installation per instructions.

OPERATION

1. Start the fireplace per instructions and allow it to warm up.
2. Turn the wall Rheostat "ON" and adjust the variable speed based upon desired air flow at the air duct register.

Maintenance

1. Service and maintain the gas fireplace per instructions.
2. Keep the air register(s) clean and free of any blockage.



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ATTENTION INSTALLER:

**PLEASE RETURN THESE OPERATING
& INSTALLATION INSTRUCTIONS TO
THE CONSUMER.**

