



SOAPSTONE



Santa Fe

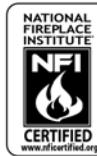
(Model 8761)
GAS-FIRED
DIRECT VENT HEATER

Owner's Manual

Operation & Installation Guide

READ THIS OWNER'S MANUAL

Operate and maintain this gas heater according to this instruction manual.
Read this manual in its entirety.



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

WARNING: IF THE INFORMATION IN THESE INSTRUCTIONS IS NOT FOLLOWED EXACTLY, A FIRE, OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY, OR LOSS OF LIFE.

- Do not store, or use gasoline, or other flammable vapors and liquids near this, or any other gas appliance!

WHAT TO DO IF YOU SMELL GAS:

- Do not try to light any appliance.
- Do not touch electrical switches; do not use the phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow your gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

A qualified installer, service agency, or gas supplier must perform installation and service. In the Commonwealth of Massachusetts, all installation of gas lines and gas fitting shall only be done by a licensed gas fitter or licensed plumber.

AVERTISSEMENT: ASSUREZ-VOUS DE BIEN SUIVRE LES INSTRUCTIONS DONNÉ DANS CETTE NOTICE POUR RÉDUIRE AU MINIMUM LE RISQUE D'INCENDIE OU POUR ÉVITER TOUT DOMMAGE MATÉRIEL, TOUTE BLESSURE OU LA MORT.

- Ne pas entreposer ni utiliser d'essence ni d'autre vaporurs ou liquides inflammables dans le voisinage de cet appareil ou de tout autre appareil!

QUE FAIRE SI VOUS SENTEZ UNE ODEUR DE GAZ:

- Ne pas tenter d'allumer d'appareil.
- Ne touchez à aucun interrupteur. Ne pas vous servir des téléphones se trouvant dans le bâtiment où vous vous trouvez.
- Appelez immédiatement votre fournisseur de gaz depuis un voisin. Suivez les instructions du fournisseur.
- Si vous ne pouvez rejoindre le fournisseur de gaz,appelez le service des incendies.

L'installation et service doit être exécuté par un qualifié installateur, agence de service ou le fournisseur de gaz.

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CozyCabin.com 518-623-4349

Information Sheet

Use this page to record all relevant information concerning the purchase, installation, and maintenance of your Santa Fe Model 8761 Direct -Vent heater. This information will facilitate servicing, purchase of replacement parts, and warranty claims (if necessary). Keep your original receipt in a safe place as proof of purchase.

Serial Number:		
Fuel type:	Natural Gas	Liquid Propane
Sold by:		
Address:		
Phone:		
E-mail		
Installed by:		
Address:		
Phone:		
E-mail		
Gas Supplier:		
Address:		
Phone:		
E-mail		

Read this Owner's Manual before installing or operating your Santa Fe. Retain this manual for future reference.

SERVICE RECORD

WHAT	WHEN
Firebox Cleaning.....	annually
Glass Cleaning.....	as needed
Gaskets.....	Replacement as needed

Table of Contents

INTRODUCTION	4
OWNER'S INFORMATION	5
DAILY OPERATION	5
INSTALLER'S INFORMATION	6
CODES	6
UNPACKING AND INSPECTION	6
ITEMS REQUIRED FOR INSTALLATION	6
SPECIFICATIONS.....	7
CLEARANCES TO COMBUSTIBLES	8
VENTING INFORMATION.....	9
VENT CONNECTION	9
APPROVED POSSIBLE VENT TERMINATION LOCATIONS	10
APPROVED VENTING SYSTEM COMPONENTS	11
VENT CONFIGURATION OPTIONS	11
VENT RESTRICTOR	15
GAS CONNECTIONS	16
REPLACING THE GLASS	17
LOG PLACEMENT	17
INSTALLATION OF THE LOG SET.....	17
REMOVAL OF LOG SET.....	18
OPERATION	19
LIGHTING THE UNIT THE FIRST TIME	19
INITIAL ADJUSTMENTS.....	19
GAS CONVERSIONS.....	20
ROUTINE MAINTENANCE AND CARE.....	21
WIRING INSTRUCTIONS	22
PARTS LIST	23
RATING LABEL.....	24
TROUBLESHOOTING GUIDE	25
LIMITED WARRANTIES	28

INTRODUCTION

Congratulations on your purchase of Hearthstone's Santa Fe Gas-Fired Direct Vent heater. The combination of natural stones with cast iron give the Santa Fe a pleasing look, which can be maintained with minimum care. The Santa Fe will provide you with years of practical and convenient service. However, as with any gas appliance, the unit must be properly installed, and maintained by qualified service personnel to ensure safe and trouble-free operation. Combustion air comes directly from the outside of your home to the sealed firebox system, eliminating the potential for annoying back drafts or other problems associated with home depressurization.

THIS HEATER MUST BE INSTALLED AND MAINTAINED BY QUALIFIED SERVICE PERSONNEL

Verify the gas connections, and venting systems with requirements of local, regional, or national installation codes. Qualified service personnel must inspect the gas heater before use, and at least annually.

ALWAYS VENT TO THE OUTSIDE

Never vent the gas heater to other rooms, or buildings. Do not connect this gas appliance to a chimney flue serving a separate solid-fuel burning appliance.

MANUFACTURED BY:

Hearthstone Quality Home Heating Products, Inc.
317 Stafford Avenue
Morrisville, Vermont 05661-8695

 **WARNING: A QUALIFIED SERVICE TECHNICIAN SHOULD DO INSTALLATION, AND REPAIR. A QUALIFIED SERVICE TECHNICIAN MUST INSPECT THE APPLIANCE BEFORE USE, AND AT LEAST ANNUALLY.**

More frequent cleaning may be required due to excessive lint from carpeting, bedding material, pets, etc. It is imperative that the control compartments, burners, and circulating air passages of the appliance are kept clean and free of obstructions. (*S'assurer que le brûleur et le compartiment des commandes sont propres. Voir les instructions d'installation et d'utilisation qui accompagnent l'appareil.*)

SERVICE CAUTION

Any components of the stove removed for servicing must be replaced before operating. If you believe your Santa Fe is not performing properly, immediately discontinue operation until the unit is inspected and approved for operation by qualified service personnel. Prior to servicing the unit, turn the

valve control knob clockwise to "OFF". Ensure the unit is cool before servicing and cleaning.

 **WARNING! ANY SAFETY SCREEN, GUARD, OR COMPONENT REMOVED DURING SERVICING MUST BE REPLACED BEFORE OPERATION.**

Do not use any components other than those approved by Hearthstone Quality Home Heating Products, Inc., otherwise all warranties are void. Do not substitute components!

FIRE HAZARD

Do not store, or use gasoline, or other flammable vapors or liquids near this appliance. The Santa Fe should be located out of traffic, and away from furniture, draperies, clothing, and other flammable materials.

SHOCK HAZARD (IF EQUIPPED WITH ACCESSORY FAN)

The accessory blower is equipped with a three-prong (grounding) plug for protection against shock hazard and must be plugged directly into a properly grounded three-prong receptacle. Do not cut, or remove, the grounding prong from the plug.

HOT SURFACES

Certain exposed surfaces of the Santa Fe will reach high temperatures during normal operation. Clearances to combustibles must be maintained, as specified in the "Clearances To Combustibles" section of this manual.

Due to high temperatures, the appliance should be located out of traffic and away from furniture, draperies, clothing, and other flammable materials. Alert children and adults to the hazards of high surface temperatures and that they must stay away to avoid burns to skin or possible clothing ignition. Supervise young children carefully when in the same room as the appliance. Do not place clothing or other flammable material on or near the appliance. (Surveille les enfants. Garder les vêtements, les meubles, l'essence ou autres liquides à vapeur inflammables loin de l'appareil.) Clean the area around, under, and behind the unit on a regular basis to prevent the accumulation of dust and lint.

 **WARNING! DO NOT OPERATE THE APPLIANCE WITH THE FRONT GLASS REMOVED, CRACKED, OR BROKEN. REPLACEMENT OF GLASS SHOULD BE DONE BY A LICENSED, OR QUALIFIED SERVICE PERSON. ONLY OPEN FRONT FOR ROUTINE SERVICE. DO NOT SLAM, OR STRIKE THE GLASS.**

OWNER'S INFORMATION

The installation must conform with local codes or, in the absences of local codes, the current National Fuel Gas Code, ANSI Z223.1 (NFPA 54), or CAN/CGA B149 Installation Code. (*Installer l'appareil selon les codes ou règlements locaux, ou, en l'absence de tels règlements, selon les Codes d'installation CAN/CGA-B149.*)

WARNING: DO NOT USE THIS APPLIANCE IF ANY PART WAS UNDER WATER. IMMEDIATELY CALL A QUALIFIED SERVICE TECHNICIAN TO INSPECT THE HEATER, AND TO REPLACE ANY PART OF THE CONTROL SYSTEM THAT WAS SUBMERGED. (NE PAS SE SERVIR DE CET APPAREIL S'IL A ÉTÉ PLONGÉ DANS L'EAU, COMPLÈTEMENT OU EN PARTIE. APPELER UN TECHNICIEN QUALIFIÉ POUR INSPECTER L'APPAREIL ET REMPLACER TOUTE PARTIE DU SYSTÈME DE CONTRÔLE ET TOUTE COMMANDE QUI ONT ÉTÉ PLONGÉS DANS L'EAU.)

Certified for use by:

Board of State Examiners of Plumbers and Gasfitters
100 Cambridge Street, Room 1511
Boston, Massachusetts
02202

LIGHTING INSTRUCTIONS

1. Set the on/off/T-stat switch or thermostat to the off position.
2. Unplug the blower accessory, if so equipped.
3. Push in and turn gas control knob clockwise to "OFF". (If not previously lit, the knob should be in this position.)
4. Wait (5) five minutes to clear out any gas. If you then smell gas, STOP! *Smell all around the appliance area for gas. Be sure to smell next to the floor because some gases (LPG) are heavier than air and will settle on the floor. If you smell gas immediately, follow the **What To Do If You Smell Gas!** warning on the cover of this Manual.* If you do not smell gas, go to the next step.
5. Turn gas control knob counterclockwise to "PILOT".
6. Push in control knob all the way and hold in. Immediately light the pilot with the gas lighter (push in and "click" the piezoelectric spark igniter button several times until lit). Continue to hold the control knob in for about 20 seconds after the pilot is lit. Release the knob and it will pop back out. Pilot should remain lit. If the pilot goes out, repeat the operation.
 - a. If knob does not pop out when released, stop and immediately call

a qualified service technician or gas supplier.

- b. If the pilot will not stay lit after several tries, turn the gas control knob "OFF" and call a qualified service technician or gas supplier.
7. Turn gas control knob counterclockwise to "ON".
8. Select "ON" or "T-STAT" position on the on/off/t-stat switch.
9. Shut the gas control valve access door.
10. Plug in the blower accessory, if so equipped.
11. Set thermostat to "ON" and set the desired temperature setting.

Normally, if the "T-STAT" position was selected, the main burner is cycled on and off by the Thermostat or the "on", "off" switch located on the bottom of the Thermostat body.

To TURN OFF THE GAS TO THE APPLIANCE

Turn the gas control knob clockwise to "OFF" position. If shutting the unit off for the non-heating season, this will improve the overall efficiency of the unit as the heat from the pilot is wasted in the summer. When putting the unit back into service follow the lighting instructions described on this page.

VARIABLE OUTPUT CONTROL

The gas control valve is equipped with a variable output control. This control varies the *rate* of heat produced by the unit by varying the gas pressure to the main burner tube.

DAILY OPERATION

The homeowner easily operates the Santa Fe gas-fired heater. The unit comes with a standard thermostat. Remote thermostats, or wall switches are available for purchase from your local Hearthstone dealer. Once the thermostat is installed and properly adjusted, the desired room temperature is maintained. By adjusting the variable output control located on the gas control valve, the *rate* of heat output can be varied to meet the heating requirements of the season. Choosing a low flame setting will result in longer burn cycles at a reduced output, while choosing a high flame setting will result in a shorter, hotter burn cycle. Through trial and error, the homeowner can select the optimum flame size for their setting, and application. Also available is a variable speed blower. (Kit# 93-57010)

INSTALLER'S INFORMATION

CODES

Adhere to **ALL local codes** or, in their absence, the latest edition of THE NATIONAL FUEL GAS CODE ANSI Z223.1 (NFPA 54) or CAN/CGA B149 Installation Code, which are available from:

AMERICAN NATIONAL STANDARDS INSTITUTE, INC.
1430 BROADWAY
NEW YORK, NY 10018
www.ansi.org

OR

NATIONAL FIRE PROTECTION ASSOCIATION, INC.
BATTERY MARCH PARK
QUINCY, MA 02269
www.nfpa.org

The appliance when installed must be electrically connected and grounded in accordance with local codes or, in the absence of local codes, with the current NFPA 70-National Electrical Code or CSA C22.1-Canadian Electric Code.

A manufactured home (mobile) OEM installation must conform to the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280 (U.S.) or Standard for Manufactured Home Installation, ANSI/NCBCS A225.1 or Standard for Gas Equipped Recreational Vehicles and mobile Housing, CSA Z240.4.CAN/SCA Z240 MH (Canada). (*Installer l'appareil selon les codes ou règlements locaux, ou, en l'absence de tels règlements, selon les Codes d'installation CAN/CGA-B149.*)

For installations from 610-1370 meters (2000-4500 ft.) the orifice sizes (DMS) for natural and propane gas are 32 and 52 respectively. See data plate for additional information. For high altitude installations consult the local gas distributor or the authority having jurisdiction for proper rating methods. If the installer must convert the unit to adjust for varying altitudes, the information sticker must be filled out by the installer and adhered to the appliance at the same time of conversion. (*Cet appareil est équipé pour des altitudes comprises entre 0 et 2000 pieds (0-610 m) seulement.*)

CERAMIC FIBER LOG SAFETY INFORMATION

Replace any damaged decorative ceramic fiber logs supplied with the Santa Fe. Hearthstone supplies replacement parts through your local Hearthstone dealer. Do not replace any logs, or embers, with any materials not approved by Hearthstone Quality Home Heating Products, Inc.

UNPACKING AND INSPECTION

Unpack and Inspect for Damage

Hearthstone packages the Santa Fe to withstand normal shipment without damage. However, damage can still occur during transit, so take care to inspect for damage when unpacking and installing the unit. If you detect any damage or missing parts, immediately contact your dealer. ***Do not install or put into service a damaged or incomplete heater.***

The unit should appear square and level, the sheet metal parts smooth and free of bends or dents. The enameled cast iron should be free of chips or cracks. If you find visible or concealed damage, contact your dealer.

The decorative fiber logs supplied with the Santa Fe are located in the firebox. Always use great care when handling the decorative ceramic logs, as they are very fragile and subject to damage and breakage. To open the firebox: remove the front door screw with the supplied hex wrench, take care not to chip the enamel, and swing the door open. Remove the lag bolts, which fasten the unit to the pallet. Take care not to chip the enameled legs. Have someone help lift the stove off the pallet, and set it into place.

Packing List

1-Santa Fe Gas-fired Heater containing:

- 5-Decorative Ceramic Logs
- 1-Pan Burner
- 1-Owner's Manual and Warranty
- Charcoal Embers
- 1- Bag Platinum Bright Embers

1-Accessory box containing:

- 1- 1/8" hex key for front door
- 1-Ash Lip
- 1-Top Grille
- 1-Thermostat with Thermostat Wire
- 2-Extension control Knobs
- 1-LP Conversion kit
- 2-Stone Clips

ITEMS REQUIRED FOR INSTALLATION

- * External regulator (for propane only)
- * Piping which complies with all codes
- * Pipe sealant approved for use with propane (LP) (resistant to sulfur compounds).
- * Manual shutoff valve
- * Sediment trap (page 16)

- * Tee joint
- * Pipe wrench
- * Phillips head screwdriver
- * Other parts as required by local code
- *Safety Glasses

*Gloves

AIR SUPPLY

The Santa Fe Direct-vent does not require additional installer provided ventilation.

SPECIFICATIONS

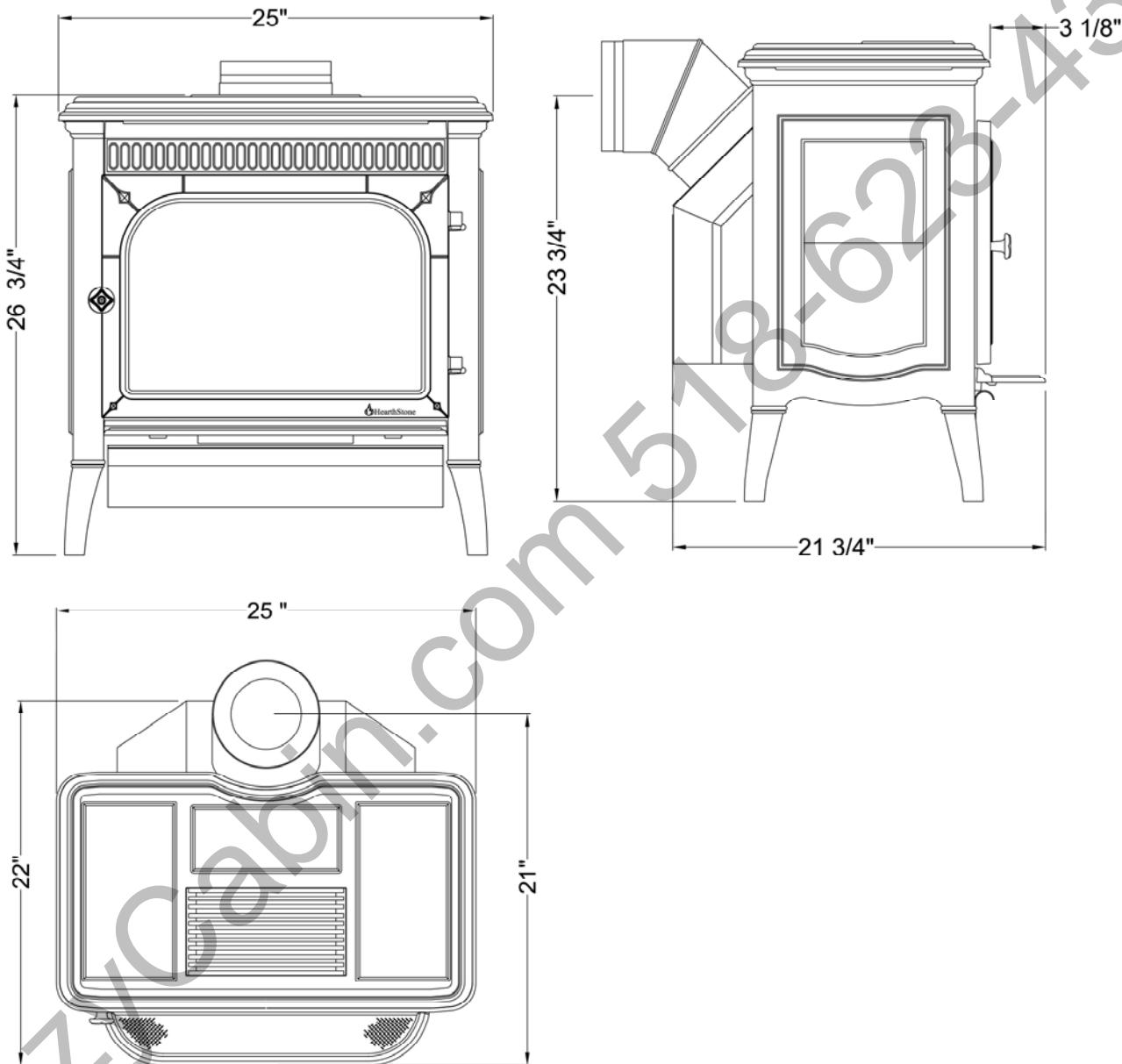


Figure 1 - Santa Fe Dimensions

LISTED: DIRECT VENT GAS HEATER

Model: 8761-Santa Fe 1 DV

Testing Agency: Intertek Testing Services NA, Inc. (ITS)

Tested to: ANSI Z21.88-05•CSA
2.33-05

Specification	NG	LP
Input rating (Btu/hr) 0-2000 ft	35,000	35,000
Input rating (Btu/hr) 2000-4500 ft	35,000	33,300
Orifice size DMS 0-2000 ft	32	49
Orifice size DMS 2000-4500 ft	32	50
Man. press.-LO setting (in.w.c./kPa)	1.2/0.3	3.3/0.8
Man. press.-HI setting (in.w.c./kPa)	3.5/0.87	10.0/2.48
Inlet press.-LO setting(in.w.c./kPa)	5.0/1.24	11.0/2.88
Inlet press.-HI setting(in.w.c./kPa)	7.0/1.74	13.0/3.22
Minimum input rating rating (Btu/hr)	21,500	20,400
Maximum output (Btu/hr) 0-2000 ft	25,600	25,600

Figure 2 – Ratings and Settings

CLEARANCES TO COMBUSTIBLES

Always maintain clearances around the air openings in the stove. This allows for adequate ventilation. (As shown in Figures 2 & 3)

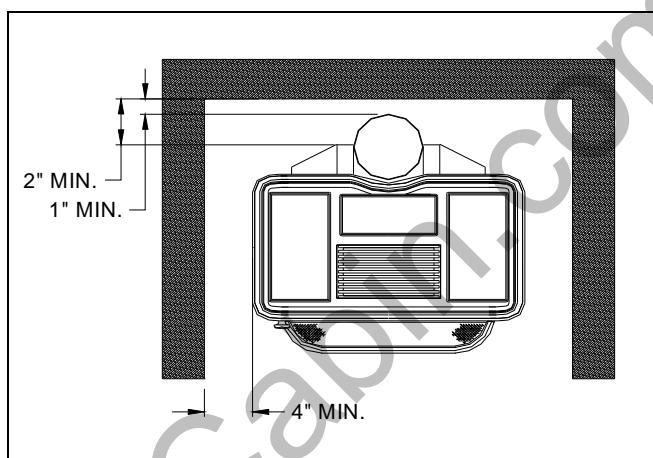


Figure 3 - Rear and side wall clearances

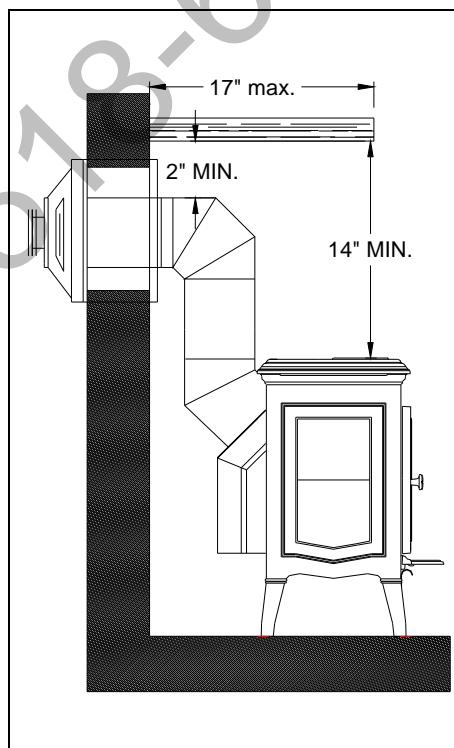


Figure 4 - Top clearances (not to scale)

The corner clearance for the Santa Fe is 2", measured from the edge of the top castings to the adjacent wall.

HEARTH REQUIREMENT / FLOOR PROTECTION

You can place the Santa Fe on a non-combustible surface, or wood floor. For placement on carpeting, vinyl tile, or other combustible materials, the appliance must be installed on a panel consisting of wood or any noncombustible material (metal, glass,

stone, etc.) extending the full width and depth of the appliance. Installations must meet all codes.

VENTING INFORMATION

There are many configurations of vent installations for your stove. Please review the following pages for the venting installation that works best for you.

⚠ Note: Do not recess vent terminals into walls, or siding

VENT CONNECTION

1. The Santa Fe 8761 Direct Vent is approved for installation only with the vent connecting components listed on this page and Simpson Dura-Vent Direct Vent GS, AmeriVent Direct, EXCELDirect or Secure Vent systems. Use the following instructions along with the pipe manufacturer's instructions to complete the installation.

2. Attach the inner starter collar and gasket to the unit with the eight # 8 x 1/2" Phillips Head sheet metal screws.

3. Place the outer starter collar and gasket onto the back of the stove. Secure the outer adapter with the eight # 8 x 1/2" Phillips Head sheet metal screws that are provided. Install the rest of the vent system according to the manufacturer's instructions.

1. Gasket 4"
2. Inner starter
3. Gasket
4. Outer Starter

⚠ NOTE: THE STANDARD HORIZONTAL VENT KIT DOES NOT REQUIRE A RESTRICTOR.

⚠ CAUTION: YOU MUST CONSULT THE AUTHORITY HAVING JURISDICTION BEFORE PROCEEDING WITH THE FOLLOWING INSTALLATION CONFIGURATIONS AND METHODS.

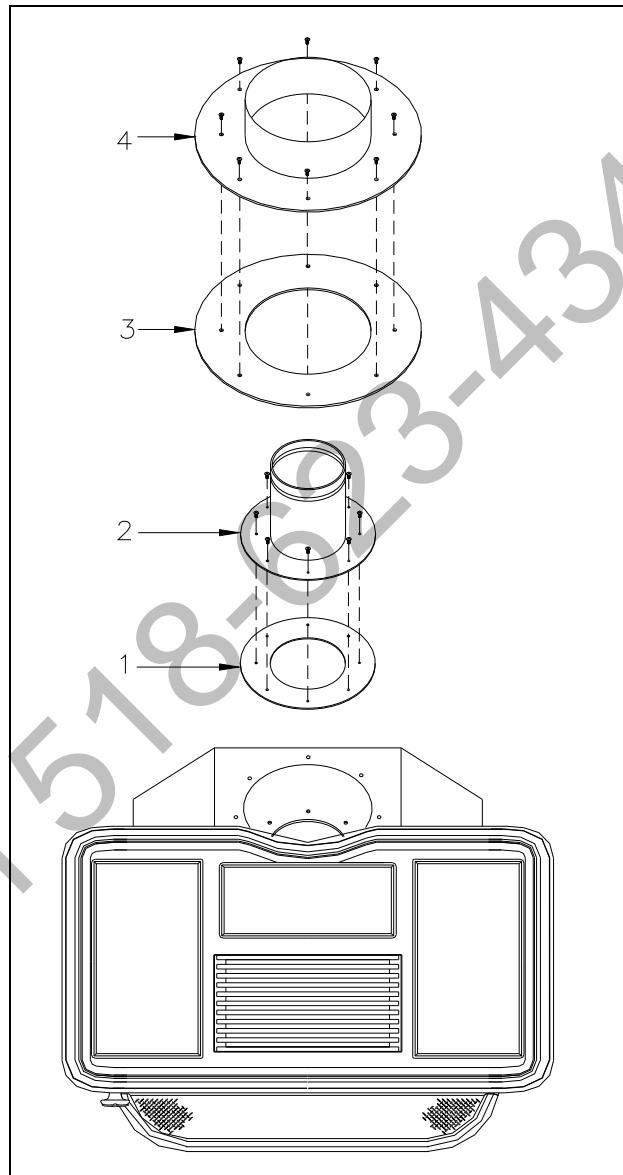


Figure 5 – Santa Fe Starter Collar

- ⚠ Conditionally approved for purchased mobile home installation.** 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, available through your local Hearthstone dealer.
- ⚠ Cet appareil peut être installé dans un maison préfabriquée (mobile) déjà installée à demeure si les règlements locaux le permettent.**
- ⚠ Cet appareil doit être utilisé uniquement avec les types de gas indiqués sur la plaque signalétique. Ne pas l'utiliser avec d'autres gas sauf si un kit de conversion certifié est installé**

APPROVED POSSIBLE VENT TERMINATION LOCATIONS

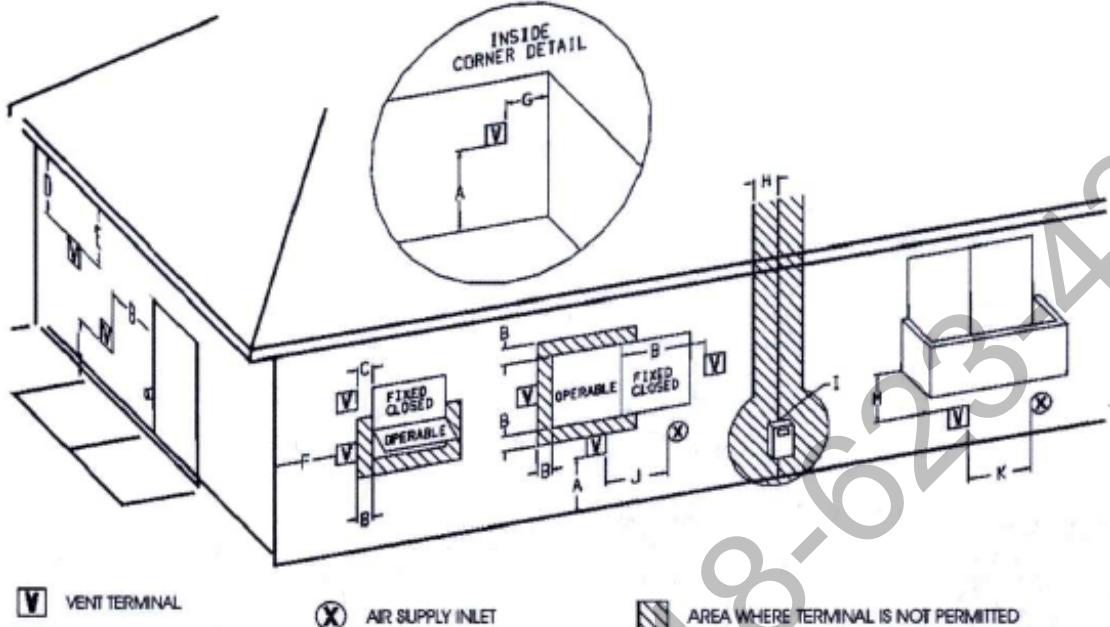


Figure 6 - Acceptable Direct Vent Terminal Vent Cap Locations

A = Clearance above grade, veranda, porch, deck, or balcony: 12 inches (30cm) minimum.

B = Clearance to window or door that may be opened: **Min. 9 inches U.S./*12 inches (30cm) CAN. We recommend 12 in, minimum to prevent condensation on the window.

C = Clearance to permanently closed window: **Min. 9 inches, U.S./*12 inches (30cm) CAN.

We recommend 12 in. minimum to prevent condensation on the window.

D = Vertical clearance to ventilated soffit located above the termination within a horizontal distance of 2 feet (60cm) from the center line of the termination: 18 inches (46cm) minimum.

E = Clearances to unventilated soffit: 12 inches (30cm) minimum.

F = Clearance to outside corner: **Min. 9 inches, U.S./12 inches (30cm) CAN. We strongly recommend 12 inches, particularly where windy conditions prevail.

G = Clearance to inside corner: **Min. 6 inches, U.S./12 inches (30cm) CAN. We strongly recommend 12 inches, particularly where strong winds prevail.

H = *Not to be installed within 15 feet (4.5m) above a meter/regulator assembly within 3 feet (91cm) horizontally from the center line of the regulator.

I = Clearance to service regulator vent: 3 feet (91cm)

J = Clearance to non-mechanical air supply inlet to building or the combustion air inlet to any other appliance: 12inches (30cm) minimum.

K = Clearance to a mechanical air supply inlet: **Min. 3 feet (91cm) above if within 10 feet horizontally, U.S./*6 feet (1.83m) CAN minimum.

L = ¹Clearance above paved sidewalk or a paved driveway located on public property: 7 feet (2.1m) minimum.

M = ²Clearance under veranda, porch, deck, or balcony: 12 inches (30cm) minimum.

**In accordance with CSA B149 Installation codes.*

***In accordance with the current ANSI Z223.1/NFPA 54, National Fuel Gas Code. Note: Local Codes and Regulations may require different clearances.*

¹A vent shall not terminate directly above a sidewalk or driveway which is located between two single family dwellings and serves both dwellings

*²Only permitted if veranda, porch, deck or balcony, is fully open on a minimum of two sides beneath the floor.**

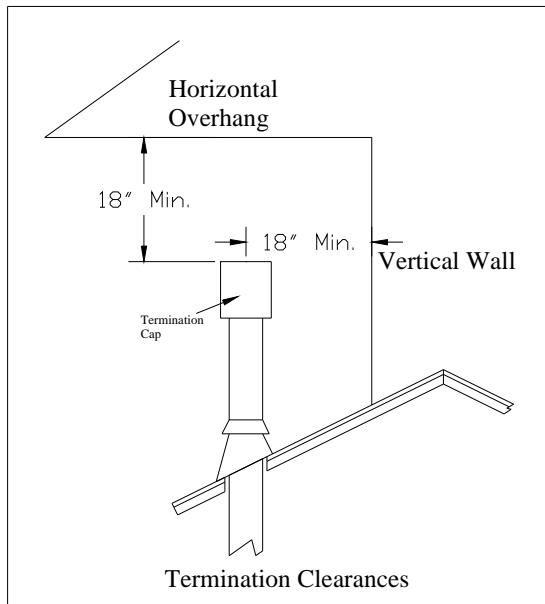


Figure 7 - Termination Cap clearances

The vent/air intake termination clearances above the high side of an angled roof as follows:

Roof Pitch	Feet	Meters
Flat to 6/12	1	0.3
7/12 to 9/12	2	0.6
10/12 to 12/12	4	1.2
13/12 to 16/12	6	1.8
17/12 to 21/12	8	2.4

Figure 8 - Termination Roof Clearances

APPROVED VENTING SYSTEM COMPONENTS

Component Description:

90° Elbow	11"-14 5/8" Adjustable Pipe Length
45° Elbow	Horizontal Vent Cap
6" Straight	Vertical Vent Cap
9" Straight	Snorkel 36"
12" Straight	Vinyl Siding Standoff 4 x 6 5/8"
24" Straight	Round Ceiling Support Wall
36" Straight	Thimble Covers
48" Straight	Wall thimble

If the vent air intake system is disassembled, it must be reinstalled per the instructions provided for in the initial installation or those in this manual.

VENT CONFIGURATION OPTIONS

I. Standard Horizontal Vent Kit 93-65000

Minimum horizontal run is 9".

⚠ Note: Install the 45° elbow over the outer collar. Place the elbow so that the twist lock end is pointing up. Install the 2' pipe section into the elbow by fully inserting it, and turning approximately 1/4 turn clockwise until the two sections are fully locked. Install the 90° elbow in similar fashion.

⚠ Note: Ensure there is no wiring or plumbing in the chosen wall location.

Move the stove and pipe assembly back until the 90° elbow is flush to the wall. The 2' vertical pipe should be parallel to the wall. Draw a circle around the pipe. Use the center of this circle as the center point of the 10" x 10" square wall pass through. Cut and frame the wall for the vent pipe. Install the horizontal vent termination on the outside of the wall. Ensure both of the retaining straps extend through the interior wall. Before attaching the vent termination to the outside of the house, run a bead of non-hardening mastic around the outside edges, between the vent termination and the wall. The arrow on the end cap must point up. Secure the cap to the wall with the appropriate screws.

Put the adjustable (11"-14") pipe into the horizontal vent cap, (the vent pipe must extend into the horizontal vent cap a minimum of 1 1/4"). Move the stove and vent pipe into position, insert the adjustable (11"-14") pipe into the 90° elbow, twist lock it. Secure the straps from the horizontal vent termination to the interior pipe with two sheet metal screws, keeping screws as close to the wall thimble as possible. Bend or cut the excess strapping so the thimble cover will fit properly. Screw the thimble cover to the wall.

⚠ The adjustment range of the wall thickness for this configuration is 3" min- 9" max.

SANTA FE: HORIZONTAL AND VERTICAL VENTING

DO NOT INCLUDE EXIT ADAPTER AS AN ELBOW.

IF MORE THAN TWO 90° ELBOWS ARE REQUIRED, THE MAXIMUM ALLOWABLE HORIZONTAL VENT LENGTH MUST BE REDUCED BY 5' FOR EACH ADDITIONAL ELBOW.

FOR CORRECT DRAFT, HORIZONTAL VENTING MUST RISE 1/4"-1/2" PER FOOT OF RUN.

II. Fireplace Venting Installations

1. 40' maximum system height (without offsets)
2. 14' maximum offset (refer to Figures 8-9)
3. Maximum rise to run = 1 to 5 (refer to Figures 8-9)
4. The termination must fall within the area outlined in Figure 8 and the Chart in Figure 7.
5. Minimum horizontal run of 9"

SANTA FE VERTICAL VENTING USING:	
-A CHIMNEY AS AIR INLET ADAPTER	
-A CO-LINEAR ADAPTER	
-CO-AXIAL ADAPTER	
V (FT)	H (FT)
10' MIN.	1.5' MAX.
40' MAX.	1.5' MAX.
$H_1 + H_2 = H$ (FT)	
$V + H =$ MAXIMUM ALLOWABLE VENT LENGTH	
FOR CORRECT DRAFT, HORIZONTAL VENTING MUST	
RISE 1/4"-1/2" PER FOOT OF RUN.	
RESTRICTOR PLATE IN POSITION (1) FULLY OPEN	
DO NOT INCLUDE EXIT ADAPTER AS AN ELBOW.	

III. Vertical Termination Venting Configurations

1. 40' maximum system height (without offsets).

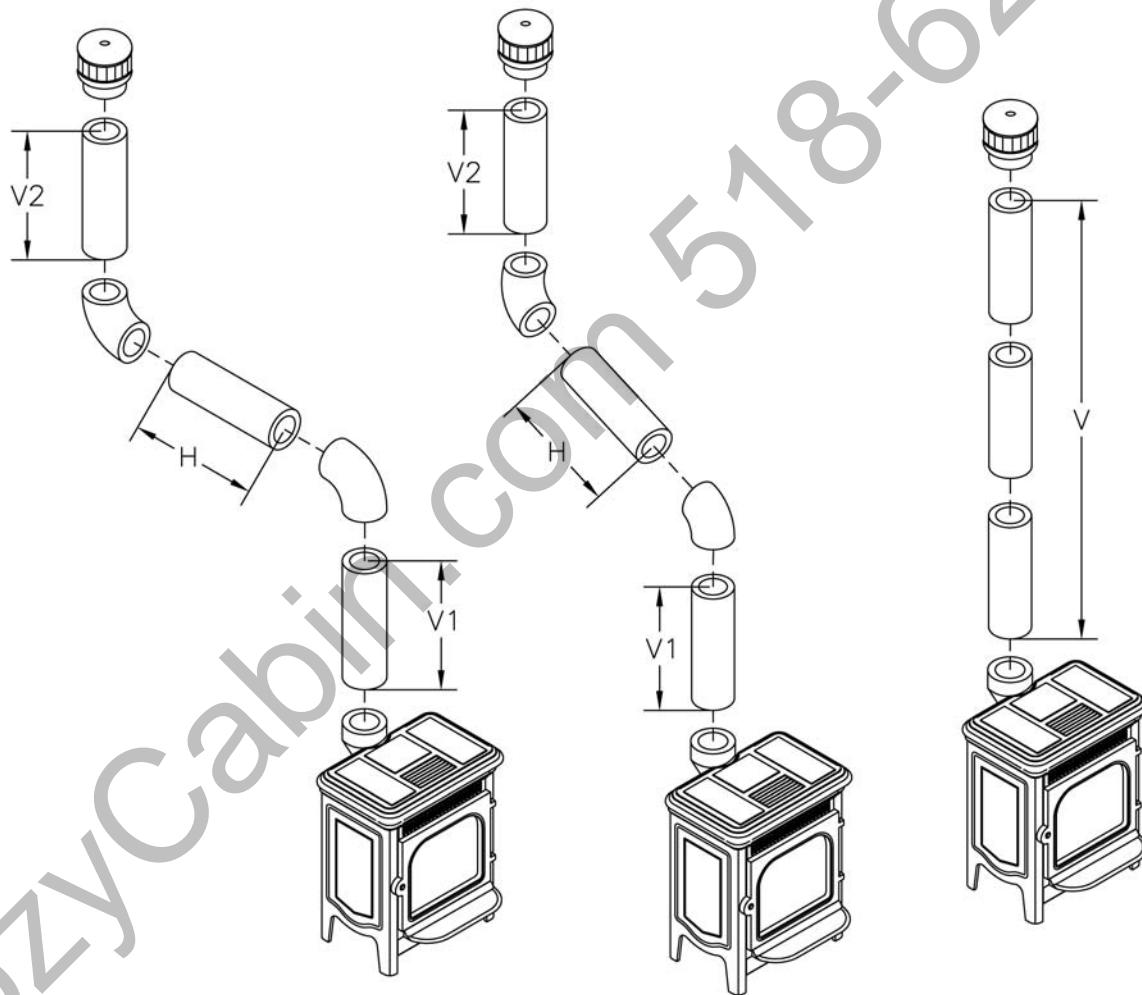


Figure 9 – Vertical Vent with Straight Pipe Only or 2 Elbows (45° and 90°)

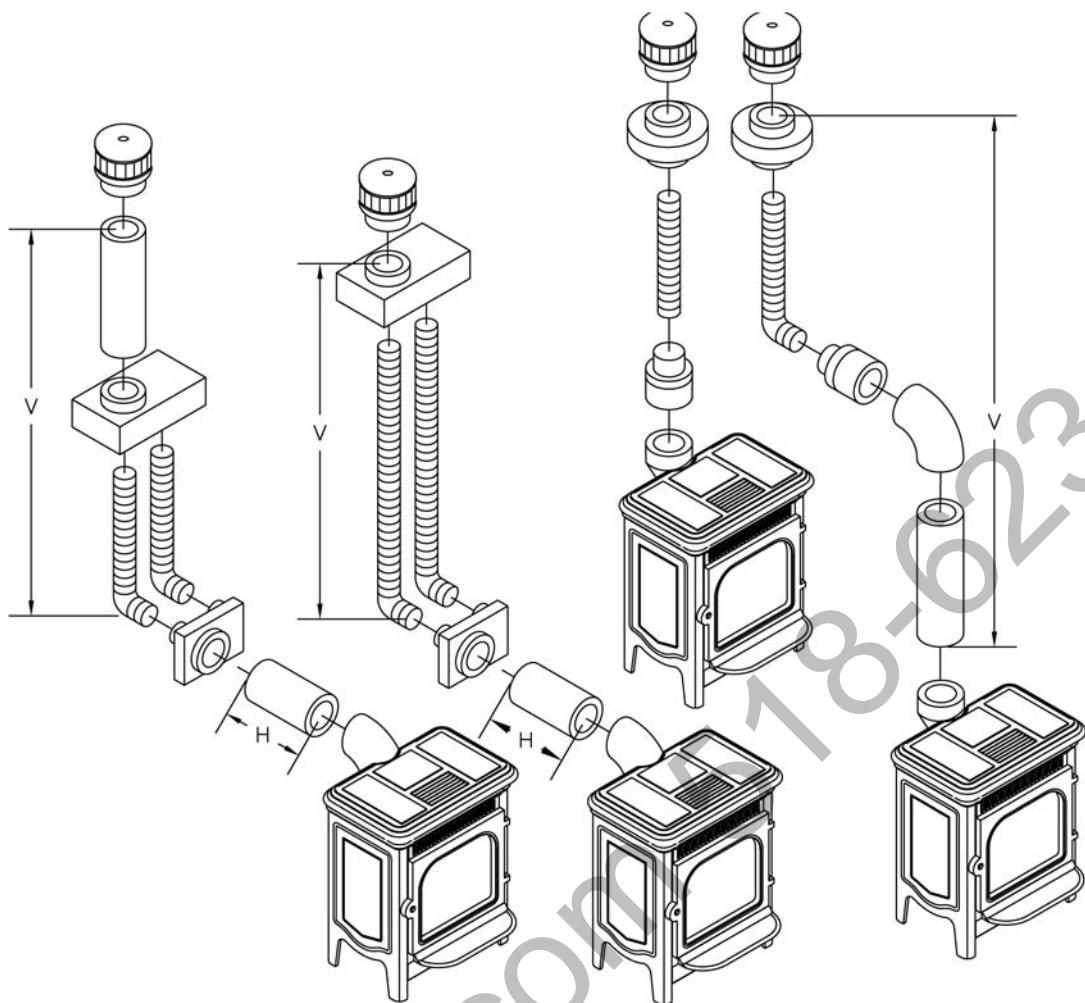


Figure 10 – Vertical Venting Termination using Co-linear, Co-axial, or Class “A” Adaptors

IV. Horizontal Termination Venting Configurations

1. A minimum of 24" rise is required (with or w/o offsets)
2. 40' maximum system height (without offsets)
3. Maximum rise to run = 1 to 5 (refer to Figures 8 & 9)
4. The termination must fall within the area outlined by the shaded area shown in *Figure 7*. Use a

vinyl siding Stand off when installing against vinyl siding.

5. Horizontal sections require a 1/4" rise every 12" of horizontal run.
6. For each 90° elbow after the second, remove 5' from horizontal run.
7. Use with snorkel termination 45" maximum horizontal run.
8. Minimum horizontal run is 9".

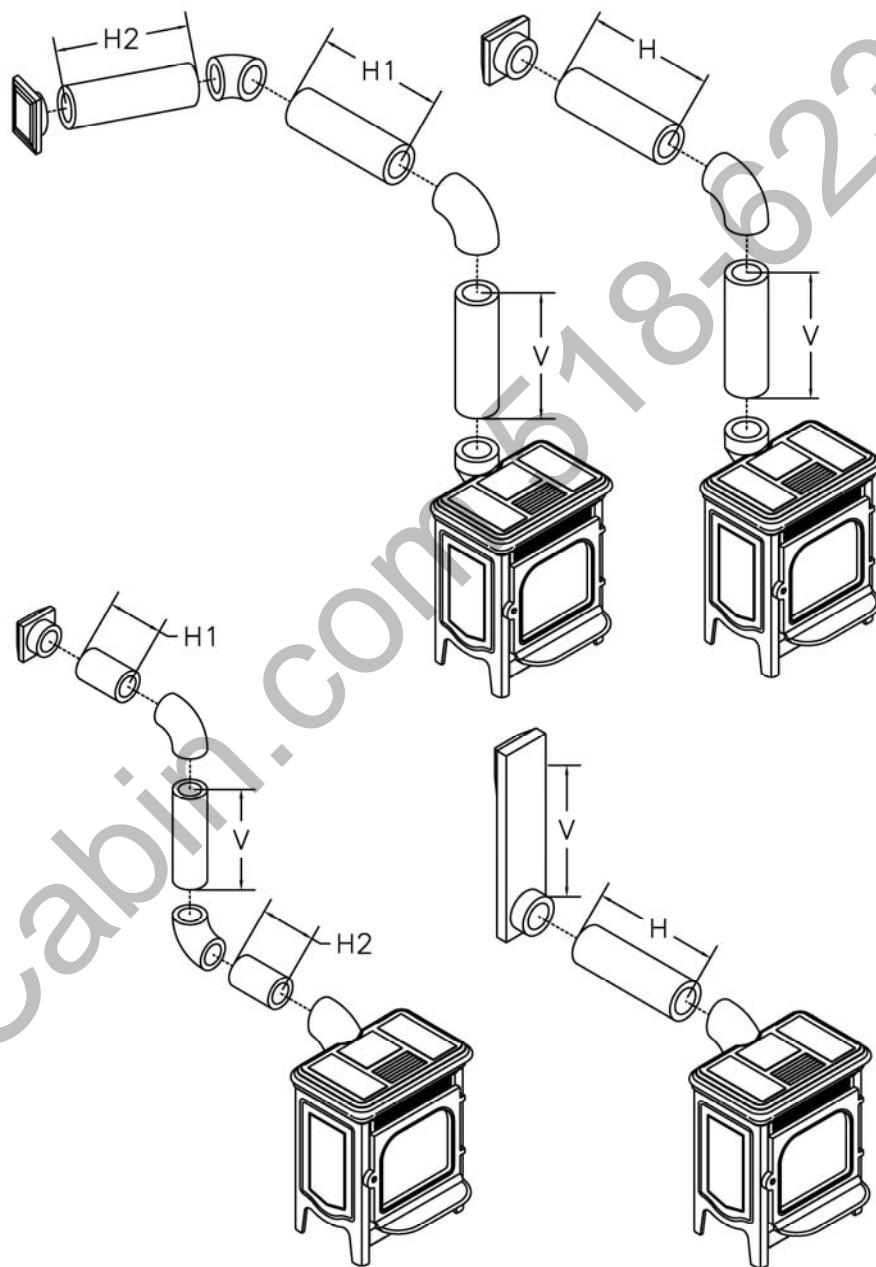


Figure 11 - Approved DV Venting Configurations for Horizontal Termination:

1 90° or 45° Elbow (4" x 6 5/8" pipe)

VENT RESTRICTOR

To adjust your restrictor for maximum flame appearance, loosen the Phillips head screw and spin the locator, found on the rear left side of the stove. (Refer to figure 11)

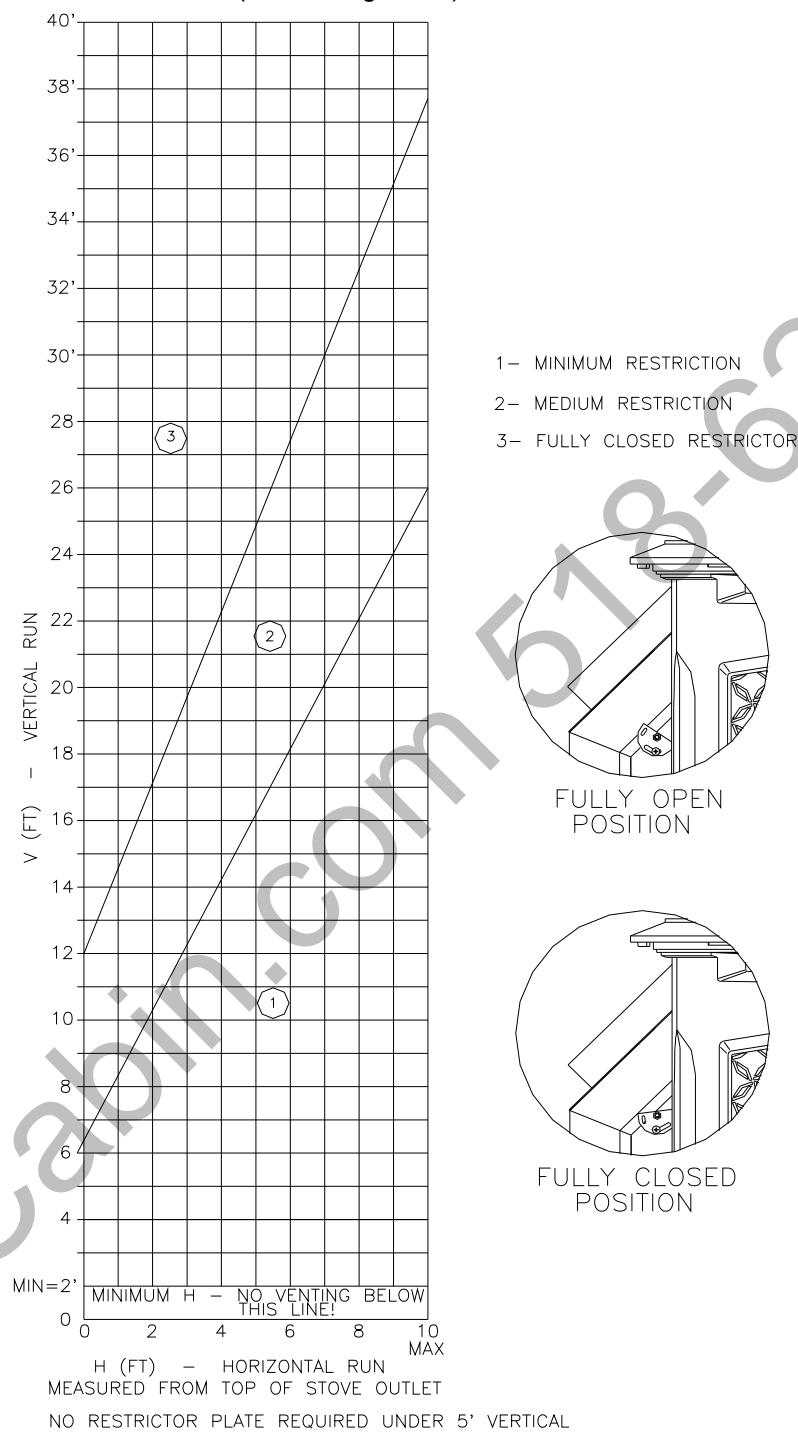
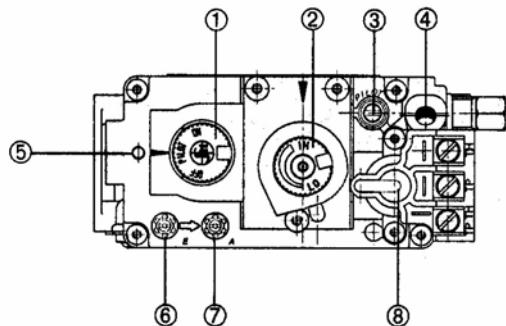


Figure 12 – Restrictor Settings

GAS CONNECTIONS

VALVE DESCRIPTION

① Gas cock knob	⑥ Inlet pressure test point
② Manual Hi-Lo adjustment or pressure regulator adjustment	⑦ Outlet pressure test point
③ Pilot adjustment	⑧ Main operator
④ Thermocouple connection	⑨ Pilot outlet
⑤ Mounting for piezo & bracket	⑩ Main gas outlet



⑪ Flange securing screw holes
⑫ Additional valve mounting hole
⑬ Alternative TC connection point
⑭ Thermoelectric unit

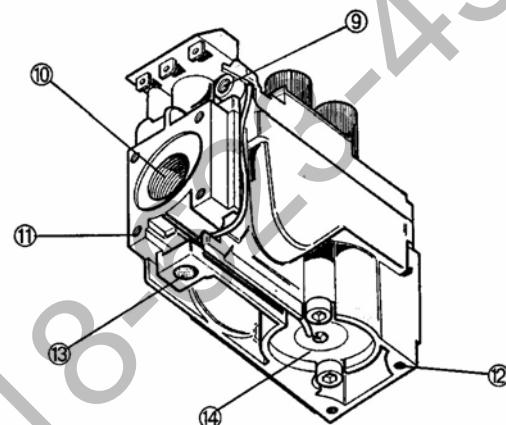


Figure 13

The gas supply connection to the Santa Fe's gas control valve is located under the unit on the left side and uses a 3/8" NPT fitting. You must size the supply pipe to provide sufficient gas supply to meet the maximum demand of the unit. The supply line must include a manual shut-off valve and union for disconnecting the unit for servicing.

Use of a dedicated sediment trap is required by code, and by Hearthstone. Damage to components caused by the lack of a sediment trap is not covered by warranty.

Once connected to the gas supply, you must test the gas inlet pressure, and manifold gas pressure. The gas control valve has built in pressure taps for test gauge connections. You must test the supply line pressure to ensure it meets the minimum pressure for the type of fuel in use (NG or LP).

Pressure Measurements: To measure the gas pressures, connect a manometer to the gas inlet tap (6) and manifold pressure tap (7) in Figure 13.

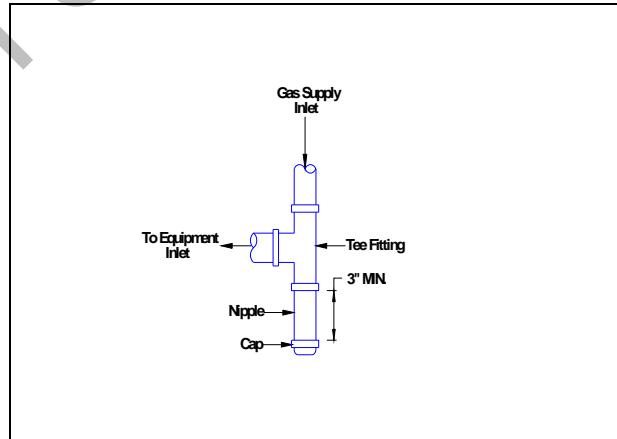


Figure 14 – Typical Sediment Trap

GAS PRESSURE ADJUSTMENT

A qualified technician must connect the heater to the gas supply, and leak test the unit before approval for use. Consult all applicable codes. The appliance, and its main gas valve, must be isolated from the gas supply piping system by closing its individual manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or greater than 1/2 psig (3.5kPa).

REPLACING THE GLASS

To replace the front glass, shut the pilot light off. Remove the front screw, using the 1/8" hex wrench provided. Open the door. Take care and pull the door up and remove it from its hinges. Remove the eight Phillips head screws in the frame and pull the frame and glass off the door. If the glass is broken, pull the broken fragments of glass away from the door using heavy-duty gloves, as the pieces will be very sharp. Carefully replace the glass gasket as necessary, and replace the door.

WARNING! DO NOT USE SUBSTITUTE MATERIALS. USE ONLY PARTS THAT HAVE BEEN SUPPLIED BY HEARTHSTONE, THROUGH AN AUTHORIZED HEARTHSTONE DEALER.

CAUTION! DO NOT CLEAN THE GLASS WHILE THE UNIT IS HOT. ALLOW APPROXIMATELY ONE HOUR BEFORE ATTEMPTING CLEANING.

LOG PLACEMENT

Place only the decorative ceramic log set supplied with the unit in the firebox. This log set is specifically designed to work with the provided pan burner. Do not use any other type of ceramic logs, wood logs, or other materials in the firebox. If the original log set is damaged, or broken, contact your Hearthstone dealer for replacement. The decorative ceramic log set will last a long time, however, they will break easily if subjected to rough or improper handling.

Exact positioning of the log set is required in order to obtain a pleasing flame pattern and efficient combustion. Incorrect log placement can cause carbon build-up; excess thermal stress on the log set and stove parts, reduced efficiency, and high levels of carbon monoxide. If the log set does not fit into the firebox exactly as outlined, contact your dealer for assistance.

INSTALLATION OF THE LOG SET

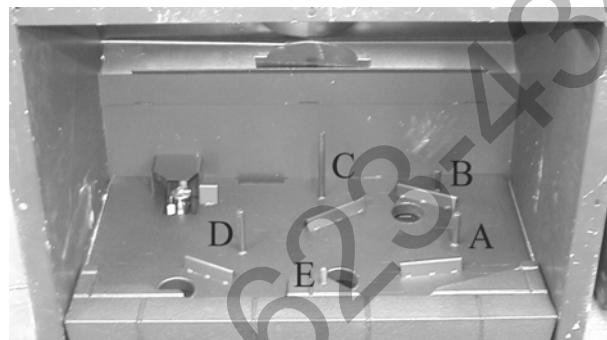
(Refer to the figures in this section)

CAUTION-DO NOT PLACE EMBERS NEAR THE PILOT.

1. Open the front door using a 1/8" hex wrench. Loosen the bolt that fastens the doorknob to the door. It also unfastens the door from the firebox by turning it counterclockwise. Be careful not to chip the enamel when loosening the bolt. Pull the door open by grabbing the top edge of the doorframe.

WHEN INSTALLING THE LOGS BE SURE NOT TO COVER ANY SLOTTED PORTS ON THE BURNER SURFACE

2. Remove the packaging material around the log set assembly. Be careful not to damage the log set when unpacking. Observe the 5 mounting "posts", A, B, C, D, and E.



3. Gently slide the Y-shaped Log (1) onto pins A and C, as shown below.



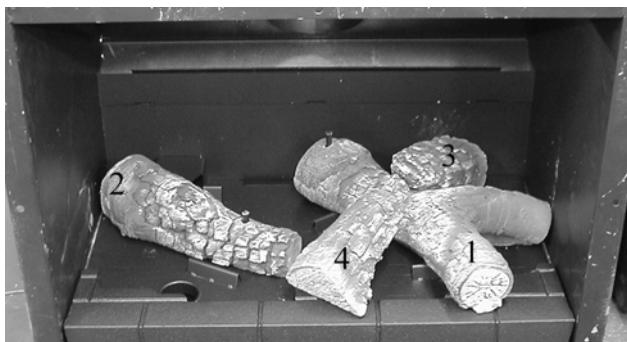
4. Gently slide the longer, "half" log (2) onto pin D. Be sure to position the rear of the log in front of the pilot assembly and against the left side of the firebox as shown below.



5. Gently slide the shortest of the "half" logs (3) onto pin B as shown below.



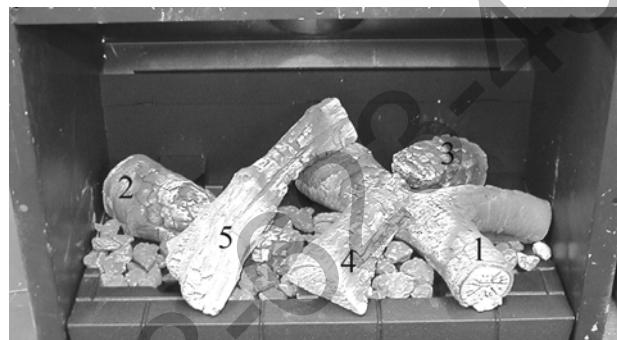
6. Gently slide the medium length of the "half" logs (4) onto pin E as shown below.



7. Gently slide the long unbroken log (5) onto pins C and D as shown below.



8. Spread evenly across the front portion of the Pan Burner, one layer high, the Charcoal Embers. You may or may not need to use all of the Charcoal Embers. Keep the rest for use in the future. Locate and open the bag of Platinum Bright Embers. Pull apart small pieces of the wool and sprinkle over the Charcoal Embers randomly. This wool will glow brightly once the unit is running.



9. Attach the façade to the firebox. Make sure the glass assembly and facade are properly secured to the firebox before lighting the unit. Be careful not to chip the enamel when attaching the components.

REMOVAL OF LOG SET

 **CAUTION! LOG SET AND CHARCOAL EMBERS WILL RETAIN HEAT AND CAN BE VERY HOT, IF PREVIOUSLY LIT! ALLOW AT LEAST 1 HOUR FOR COOLING AFTER PILOT LIGHT IS OFF BEFORE HANDLING.**

To remove the log set, follow the Installation of Log Set instructions in the reverse order.

 **CAUTION! FRAGILE! HANDLE LOG SET AND CHARCOAL EMBERS WITH CARE.**

OPERATION

LIGHTING THE UNIT THE FIRST TIME

SMOKE AND FUMES WARNING

When lit for the first time, the Santa Fe will emit some smoke and odors. This is normal "off-gassing" of the paints and oils used in the manufacturing, and assembly of the unit. Open windows to vent the room if necessary. The off gassing and fumes will subside after the first 10 to 20 minutes of operation.

Once the Santa Fe is set in place and connected as described previously, the unit is ready to be lit for the first time. Hearthstone tests each Santa Fe before shipment, so ignition should take place without failure.

PILOT LIGHT

The Santa Fe has a piezoelectric spark igniter (the red or black push button located next to the gas control valve behind the valve access door), which ignites the pilot light by means of a spark at the pilot light assembly. Do not attempt to light the unit with a match or by any means other than the piezoelectric spark.

PILOT ADJUSTMENT

The pilot light is preset by the manufacturer and should not need adjustment. The pilot light flame must be large enough to engulf the thermopile and thermocouple located next to the pilot, but not so large as to create excessive noise or consume excessive gas. (refer to figure 13) However, it can be adjusted by means of the pilot light adjustment screw located on the gas control valve. Open the valve door to access the pilot adjustment screw. Note that the pilot flame must engulf the thermopile so that the thermopile can generate sufficient millivoltage (325 to 500-mv) to power the millivolt gas control valve.

Before lighting, smell all around the appliance area for gas. Be sure to smell next to the floor because some gases (LPG) are heavier than air and will settle on the floor. If you smell gas, check for leaks. Use only your hand to turn the gas control knob. Never use tools.

WARNING! THE CONTROL HAS AN INTERLOCK DEVICE. IF THE STOVE HAS BEEN LIT, IT WILL NOT RELIGHT IMMEDIATELY. AFTER SHUTTING OFF ALL GAS FLOW, THE PILOT BURNER CANNOT BE RELIT UNTIL THE THERMOCOUPLE HAS COOLED, ALLOWING THE ELECTROMAGNET TO BE RELEASED (APPROX. 60 SEC.). THE GAS CONTROL KNOB

IS DESIGNED TO OPERATE BY HAND. DO NOT USE ANY TOOLS DURING THIS OPERATION.

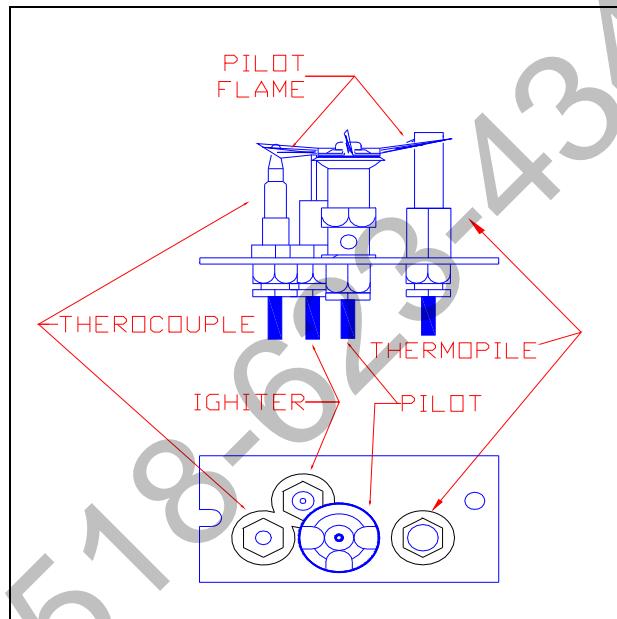


Figure 15

INITIAL ADJUSTMENTS

Air Shutter Adjustments

The air shutter, located at the lower rear center of the stove, is adjustable while the stove is burning by loosening the set nut on the adjusting bolt located on the lower rear left of the stove. This nut is hot and should not be touched. Use only metal tools for this adjustment. Loosen the set nut using a 7/16" wrench and turn the bolt to adjust the flame pattern. Turn the bolt clockwise to open the air shutter, and counterclockwise to close the shutter. When the flame pattern is correct, tighten the set nut without letting the bolt turn. The air shutter is factory set and only a qualified gas technician should make adjustments.

⚠ Note: Very little movement substantially changes the burn and flame patterns. Some conditions cannot be corrected through air shutter adjustment; an adjustment must be made to the gas supply pressure. Supply line/manifold gas line pressure adjustments must be performed by qualified service personnel. Do not attempt to complete any part of the installation or adjustment of this unit unless technically qualified.



Figure 16 - TYPICAL FLAME PATTERN

GAS CONVERSIONS

All Santa Fe stoves are set up for use with Natural Gas when built. However, these units are easily

converted for use with LP, and visa versa. The instructions provided with the included conversion kit must be followed. **Only a Qualified Gas Technician should perform the conversion.**

For checking, and properly adjusting, the manifold pressure, refer to the *Gas Connection section* on page 16 of this manual. **Leak test before, and after, lighting the stove.**

Fill out the label provided on back of the stove.

The input rate of the heater is verified by checking the manifold pressure. If the manifold pressure is correct, then the input rate is also correct. Ensure to check the manifold pressure and properly adjust the pilot and main burner flames.

ROUTINE MAINTENANCE AND CARE

The Santa Fe requires minimal routine maintenance and care. The unit should always be cool and off when cleaned, or serviced.

Once a year the unit and venting system should be inspected by qualified service personnel to ensure that they are clean, prevent the accumulation of dust, lint and other debris, free of obstruction, safe and in good working condition. To clean the firebox, set the switch to the "OFF" position, and turn off the gas at the gas control valve.

When the unit is cool, open the front door and carefully remove the decorative ceramic log set taking care not to damage the logs or chip the enameled cast iron. Clean the pan burner, and carefully vacuum the entire surface of the log set. Take care to thoroughly vacuum the ports (slots) on the top of the pan burner.

With the decorative ceramic logs out of the firebox,

fasten the door shut and briefly light the unit according to *lighting instructions* described on *Page 4*. Check to ensure a flame is burning from each burner port. The pilot flame should be large enough to engulf the thermocouple and thermopile. Turn the unit off by setting the switch to "Off", and turning off the gas control valve. **Allow the unit to cool**. Check and clean any burner ports that are not burning, or not burning properly. Clean the burner ports using a soft brush or vacuum cleaner. Adjust the pilot flame height if necessary.

Complete the cleaning procedure by carefully placing the log set back in the firebox as described on *Page 17*. Close and refasten the front door. Turn on the gas, light the unit, and check for proper operation.

 **WARNING! DO NOT USE ABRASIVES WHEN CLEANING THE GLASS.**

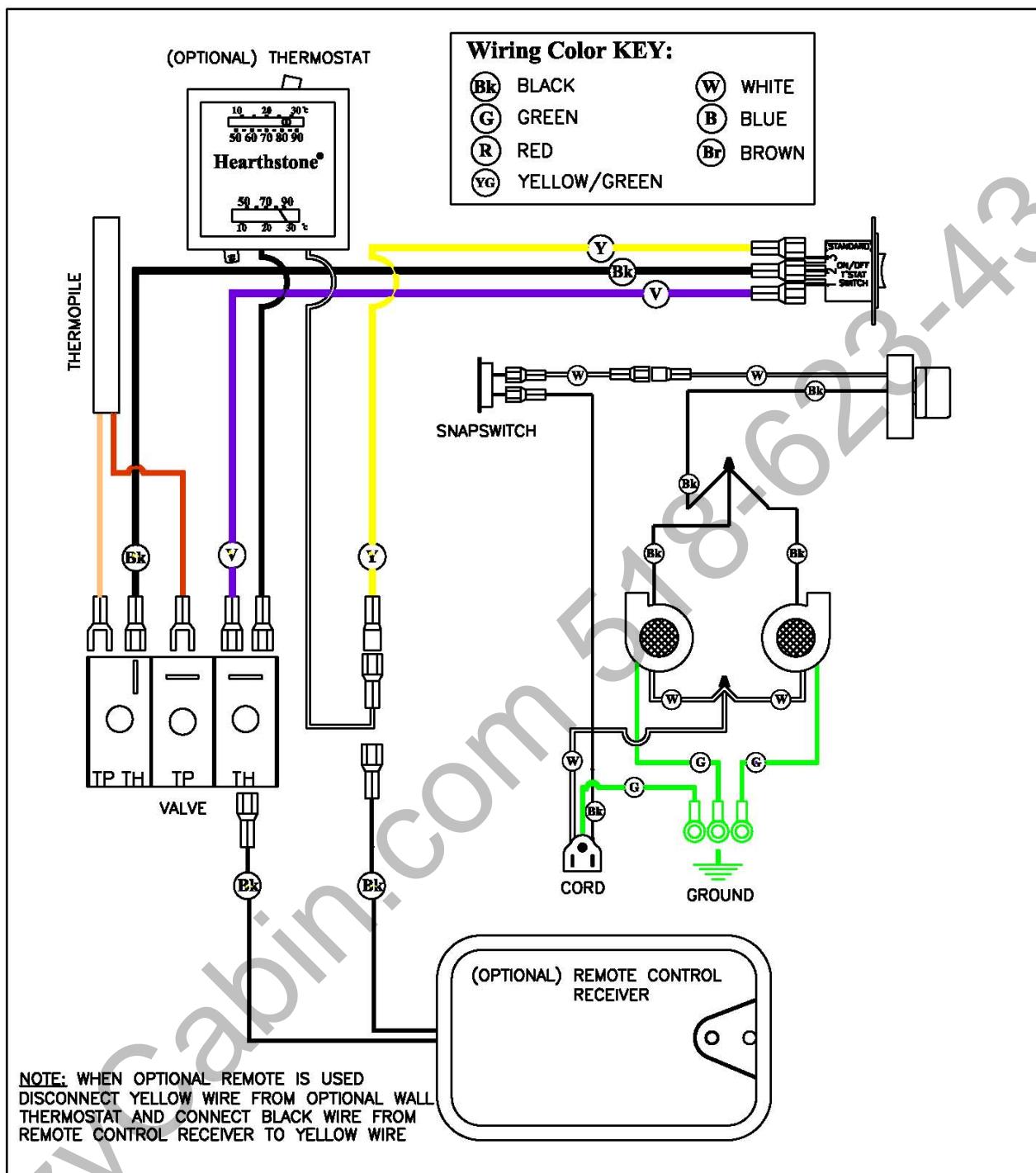


Figure 17

Wiring Instructions

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

(Attention: Au moment de l'entretien des commandes, étiquetez tous les fils avant le débranchement. Des erreurs de câblage peuvent entraîner un fonctionnement inadéquat et dangereux.)

PARTS LIST

Part #	Description	Part #	Description
2310-020	Brick Panel Front	5301-050	Heat Shield: Rear, Right, Cha/San
27x0-655	Door Handle	5301-060	Restrictor Plate Assembly
27x0-650	Front Door	5301-070	Shutter Position Indicator
2710-600	Bottom: San	5301-080	Outlet Restrictor Clip
2710-810	Top Grill	5701-925h	Starter Collar
27x0-660	Front Grill	5710-470	Stone Clip
2310-850	Heat Exchanger Base	7200-349	Orifice: Burner, Lp, #49 Spud
2310-860	Heat Exchanger	7211-390	3-Way Pilot Hood (W/ Clip)
2310-240	Exhaust Baffle	7211-009	Pilot Gas Tube
3030-028	Glass 17-15/32"X11-9/16"X5mm	7211-310	Valve (Ng)
3110-057	Low Density Door Rope 3/8"	7211-370	Pilot Assembly (Ng)
3160-075	Heat Exchanger Flat Rope 1/4"	7210-103	Piezo Igniter
3160-080	Glass Tape 3/4"	7211-017	Gas Line 3/8 Diameter
3160-150	Firebox/Air Heat Exchanger Gasket	7211-221	Burner Assembly
3160-152	Pilot Gasket	7211-430	Igniter Electrode
3160-157	Gasket 6"	7211-470	Thermocouple
3160-300	Primary Air Control Gasket	7211-512	Log: Bottom, Left
3170-150	Platinum Bright Embers	7211-513	Log: Bottom, Right
5300-066	Piezo Bracket	7211-514	Log: Top, Left
5300-090	Secondary Air Plenum	7211-515	Log: Top, Right
5300-112	Restrictor Plate	7211-516	Log: Top, Center
5300-114	Restrictor Plate Rod	7211-517	Embers: Pyrotek, 4 Oz.
5301-010	Firebox: Cha/San		
5301-030	Control: Primary Air Assembly		
5301-040	Heat Shield: Rear, Left, Cha/San		

Accessories available:

93-57010	Blower Kit
90-56912	Remote Control On/Off
90-56914	Remote Control Thermostat

WARNING! DO NOT SUBSTITUTE MATERIALS.

For replacement parts, or for information about parts or service, contact your authorized Hearthstone retailer. For the name of the authorized retailer nearest to you, visit our website at www.Hearthstonestoves.com, or e-mail us at inquiry@Hearthstonestoves.com.

RATING LABEL

MODEL # 8761-
SERIAL #MODEL NAME: SANTA FE DIRECT VENT GAS FIREPLACE HEATER
LISTED: VENTED GAS FIREPLACE HEATER
TESTED TO: ANSI Z21.88-05 CSA 2.33-05, CAN/CGA-2.17-M91CERTIFIED FOR CANADA/HOMOLOGUE POUR LE CANADA
ALSO FOR MOBILE HOME INSTALLATION

DO NOT OPERATE WITH GLASS REMOVED OR BROKEN.

FUEL TYPE:

■ NG ■ LP

INPUT RATING (Btu/hr) 0-2000 ft	35,000	35,000
INPUT RATING (Btu/hr) 2000-4500 ft	35,000	33,300
ORIFICE SIZE (DMS) 0-2000 ft	32	49
ORIFICE SIZE (DMS) 2000-4500 ft	32	50
MANIFOLD PRESSURE - LO SETTING (in. W.c./kpa)	1.2/0.3	3.3/0.8
MANIFOLD PRESSURE - HI SETTING (in. W.c./kpa)	3.5/0.87	10.0/2.48
INLET PRESSURE (in.w.c./kpa)	5.0/1.24	11.0/2.88
MINIMUM INPUT RATING (btu/hr)	21,500	20,400
MAXIMUM OUTPUT (btu/hr) 0-2000 ft	25,600	25,600

This appliance must be installed in accordance with the local codes, if any; if not, follow the National Fuel Gas Code, ANSI Z223.1 or Canadian Installation Codes, CAN/CGA-B149. (Install the appliance according to the codes or regulations in your area, or, in the absence of such regulations, according to the CAN/CGA-B149.)

WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance. For assistance or additional information consult a qualified installer, service agency or the gas supplier. (**L'AVERTISSEMENT:** L'installation, l'ajustement, la modification, le service ou l'entretien peut causer des dommages de propriété ou de blessure. Référez au manuel d'information de propriétaire fourni avec cet appareil. Pour l'assistance ou l'information supplémentaire consultez un installateur qualifié, une agence de service ou le fournisseur de gaz.)

MINIMUM CLEARANCES TO COMBUSTIBLES

EDGE OF TOP TO: CEILING	14" / 356mm
BACK OF STOVE TO: BACKWALL	2" / 50 mm
EDGE OF SIDE TO: SIDEWALL	4" / 100 mm

ELECTRICAL RATING:
115 VOLTS, LESS THAN 2.0A

Several Optional kits are available through HearthStone or your local HearthStone dealer. A blower assembly may be used (kit # 93-57010), two different remote controls (kit #90-56912 & kit #90-56914) are optional as well.

This appliance is only for use with the type of gas indicated on this rating plate and may be installed in an aftermarket, permanently located, manufactured (mobile) home where not prohibited by local codes. See owner's manual for details. This appliance is not convertible for use with other gases, unless a certified kit is used. If the vent air intake system is disassembled for any reason, reinstall per the instructions provided with the initial instructions. This vented gas fireplace heater is not for use with air filters.

VENTED GAS FIREPLACE HEATER - NOT FOR USE WITH SOLID FUEL.

MANUFACTURED BY: HearthStone, MORRISVILLE, VERMONT 05661



Date of Manufacture														
2009	2010	2011	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

DO NOT REMOVE OR COVER THIS LABEL

MADE IN USA

3300-599



TROUBLESHOOTING GUIDE

Symptom	Possible Cause	Corrective Action
1. Pilot will not light.	A. Insufficient gas pressure, air in the pilot line, or dirty or kinked gas line.	A. Using the piezo sparker, try to light the pilot. If it will not light, check the inlet gas pressure.
	B. Pilot orifice plugged.	B. Clean or replace the pilot assembly.
	C. Defective or misaligned electrode at pilot.	C. If a match lights a pilot, check the electrode gap and location. Should be a 1/8" gap in the flame area.
	D. Defective igniter.	D. Check for a good connection between igniter and electrode. Check wire insulation. If properly connected and no spark, replace igniter.
	E. After sitting for "off" season (summer), pilot assembly may be dirty.	E. Clean or replace the pilot assembly.
2. Pilot will not stay lit after carefully following lighting instructions.	A. Low or too high gas pressure	A. Check for proper inlet pressure for the gas being used.
	B. Faulty connections.	B. Measure voltage between valve body and solder connection on the rear of the valve (where the blue wire connects). It should be no less than 7 mV.
	C. Defective thermocouple.	C1. Ensure that the thermocouple connection at the gas valve is tight. C2. Check thermocouple output using milli-volt meter. Disconnect from valve and read voltage across wire ends. If the reading is less than 15 mV, replace the pilot assembly. C3. If burning NG, check pilot flame to see that it is impinging on the top of the thermocouple. Clean or replace pilot for maximum flame impingement.
	D. Pilot dirty or plugged.	D. Clean or replace the pilot assembly.

Symptom	Possible Cause	Corrective Action
3. Pilot burning, no gas to main burner, valve knob in the "ON" position, thermostat and/or on/off/tstat switch in the "ON" position.	A. Thermostat switch or wires defective.	A. Check thermostat/wiring for proper connections. Place jumper wire across terminals at thermostat. If burner comes on, replace defective thermostat. If not OK, place jumper across thermostat wires at gas valve. If burner comes on, tighten connections, or replace faulty wires.
	B. Thermopile may not be generating sufficient voltage.	B. Check thermopile output, using a milli-volt meter. If the optional on/off kit has not been installed, take the readings across generator terminals of the gas valve. (TPH and TP). With the on/off kit, take the readings across TH and Terminal block (which corresponds to #3 on the switch). Milli-volt reading should be greater than 325 mV. If not, replace the pilot assembly. If the meter reading is OK, but the burner does not come on, replace the gas valve.
	C. Plugged burner orifice.	C. Remove and check burner orifice, clean or replace. Note: do not use any metal cleaning device, as this may damage the orifice.
4. Pilot and burner come on, but go out after some warm-up.	A. Inconsistent, or insufficient flame on thermopile.	A. Adjust pilot flame size and assure that the flame is aimed directly at the thermopile.
	B. Insufficient gas pressure.	B. Check line pressure to ensure that the correct inlet pressure is present for the type of gas being used. If propane pressure is inconsistent, check for water condensation at the regulator.
5. Frequent pilot outage problem.	A. Pilot flame may be too low or blowing, (high), causing the pilot safety to drop out.	A. Clean and/or adjust the pilot flame for maximum impingement on the thermopile and thermocouple.
6. Glass fogs	A. A normal result of gas combustion.	A. After the heater has warmed up, the glass should clear.
7. Blue Flames	A. A normal result during the first 20 minutes.	A. Flames should begin to turn more yellowish after 20 minutes of burning. B. If the blue color stays; adjust the air shutter for a proper burn.

Symptom	Possible Cause	Corrective Action
8. Floating flames, lazy ill-defined, quiet flames, which roll around, sometimes completely off of the port, sometimes with overly, yellow tips. Possible sooting. Usually accompanied by the odor of aldehydes.	<p>A. Potentially dangerous incomplete combustion due to incorrect air to fuel ratio (lack of combustion air or excessive fuel delivery i.e. excessive gas pressure, overrating of appliance).</p> <p>B. Incorrect air intake/exhaust flow system. Causes may be:</p> <ul style="list-style-type: none"> B1. Blocked burner. B2. Blocked primary air B3. Blocked secondary air inlets 	<p>A. Check the appliance input rate and reduce if necessary. The air intake/exhaust flow system may be too restrictive or blocked (the rate at which the exhaust leaves [draft] determines the rate at which the combustion air is delivered). Poor draft results in insufficient air delivery or a restricted exhaust. Correct air intake/exhaust flow system.</p> <ul style="list-style-type: none"> B1. Clear ports. B2. Clear obstructions. B3. Clear obstructions. <p>C. If gas pressures are correct and the flames stay the same, adjust the air shutter for a proper burn.</p>
9. Burner flashback. Air-gas mixture ignites inside the burner near the orifice, usually creating a roaring noise like a blowtorch. The problem is an imbalance of gas flow velocity and burning speed pattern.	<p>A. Excessive.</p> <p>B. Burner input underrated.</p> <p>C. Valve leak if flashback occurs with burner valve in off position.</p> <p>D. Improper gas pipe size.</p>	<p>A. Adjust the air shutter for a proper burn.</p> <p>B. Check input rate. Check input pressure using a manometer. Confirm correct gas pressure at house meter or tank (call gas company). Confirm burner orifice size.</p> <p>C. Replace valve. If above corrections do not eliminate flashback, replace burner.</p> <p>D. Correct plumbing.</p>
10. Delayed ignition (makes a sudden "whoosh" noise as the burner lights). This is a buildup of gas prior to ignition. This is more prevalent with propane (LP) fuel.	<p>A. Incorrect air-to-fuel ratio.</p> <p>A1. Primary air incorrect.</p> <p>A2. Burner ports plugged.</p> <p>B. Improper log placement.</p>	<p>A1. Adjust the air shutter for a proper burn.</p> <p>A2. Open ports to allow for proper travel of flames.</p> <p>B. Reposition logs to eliminate interference with flame travel.</p>

Hearthstone Gas Stove & Insert LIMITED WARRANTIES

These warranties give you specific legal rights. You may also have other rights that vary from State to State.

Hearthstone Quality Home Heating Products, Inc. (Hearthstone) warrants to the original purchaser only (the "Original Purchaser") the new gas-fired stove/insert manufactured by Hearthstone and purchased by the Original Purchaser (referred to as the "Stove" or "Gas Stove" for simplicity) against any of the occurrences listed in this document that result from defects in material or workmanship. All obligations of Hearthstone under this document commence on the date the Original Purchaser purchases the Stove (the "Purchase Date").

LIMITED LIFETIME WARRANTY

Hearthstone warrants the following parts of the Stove against the following occurrences that result from defects in material and workmanship:

- 🔥 All cast iron parts, including the cast iron heat exchanger – against breakage, cracking or burn-through.
- 🔥 All stones – against cracking or breakage due to thermal stress, excluding surface and hairline cracks and scratches that do not affect the operation or safety of the Stove.
- 🔥 Glass – against breakage due to thermal shock.

LIMITED FIVE-YEAR WARRANTY

Hearthstone warrants the following parts of the Stove against the following occurrences that result from defects in material and workmanship:

- 🔥 Firebox and firebox baffle – against breakage, cracking or burn-through.
- 🔥 Convective heat exchanger – against breakage, cracking or burn-through.
- 🔥 Burners, air shutters and orifices – against breakage, cracking or burn-through.
- 🔥 TEK logs and embers – against breakage, cracking or burn-through.

This warranty expires on the fifth (5th) anniversary of the Purchase Date.

LIMITED THREE-YEAR WARRANTY

Hearthstone warrants the following parts of the Stove against the following occurrences that result from defects in material and workmanship:

- 🔥 Gas train, including gas valve, millivolt wiring, spill switch, pilot assembly, thermopile, thermocouple, piezo igniter, and, if the Stove is a vent-free model, ODS system – against breakage or malfunction.

This warranty expires on the third (3rd) anniversary of the Purchase Date.

LIMITED ONE-YEAR WARRANTY

Hearthstone warrants the following parts of the Stove against the following occurrences that result from defects in material and workmanship:

- 🔥 Enamel Finish – against peeling or fading, excluding chipping, mechanical abrasion, chemical abrasion or crazing.
- 🔥 Gaskets and sealants – against breakage or deterioration.
- 🔥 Accessories and electrical components such as blowers, switches and thermo discs, excluding venting components, hearth components, electrical components and other components or accessories used in conjunction with the installation of the Stove **not** manufactured, or supplied by Hearthstone – against breakage or malfunction.

This warranty expires on the first (1st) anniversary of the Purchase Date.

EXCLUSIONS

The warranties contained in this document do not cover, nor is Hearthstone responsible for:

1. Damage resulting from installation or operation of the Stove in a manner contrary to the owner's manual.
2. Damage or non-performance resulting from faulty or incomplete setup, installation and start-up or mishandling, abuse, or misuse of the Stove, including but not limited to over-firing.
3. Damage resulting from installation, modification, alteration, repair or service of the Stove by any party other than Hearthstone or an authorized Hearthstone dealer (a "Dealer").
4. Damage due to water or due to installation of the Stove in a damp or high condensation area.
5. Damage due to installation of the Stove in an atmosphere contaminated by damaging chemicals, including but not limited to chlorine, fluorine or salts.
6. Scratches on glass, enameled surfaces or stones due to mechanical abrasion.
7. Standard wear and tear of the Stove resulting from normal usage over time.
8. Damage, operational-related problems, or inadequate performance caused by site, installation or environmental conditions beyond Hearthstone's control, including but not limited to nearby trees, rooftops, buildings, wind, hills, mountains, inadequate or excessive venting, insufficient make up air, or negative air pressure whether or not caused by mechanical systems such as furnaces, exhaust fans, clothes dryers, etc.
9. A defect in any part of the Stove if the Original Purchaser fails to comply with Hearthstone's or a Dealer's request to ship the part or the Stove to Hearthstone or a Dealer, as the case may be.

THE WARRANTIES CONTAINED IN THIS DOCUMENT ARE EXCLUSIVE AND ARE GIVEN BY HEARTHSTONE AND ACCEPTED BY THE ORIGINAL PURCHASER IN LIEU OF ALL OTHER EXPRESS WARRANTIES AND ANY OBLIGATIONS, LIABILITIES, RIGHTS, CLAIMS, OR REMEDIES IN CONTRACT OR TORT, WHETHER OR NOT ARISING FROM HEARTHSTONE'S NEGLIGENCE, ACTUAL OR IMPUTED. ALL IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE GIVEN ONLY TO THE EXTENT REQUIRED BY FEDERAL OR STATE LAW. EXCEPT AS OTHERWISE REQUIRED BY STATE LAW, UPON THE EXPIRATION OF THE EXPRESS LIMITED WARRANTIES CONTAINED HEREIN, NO IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY TO THE SUBJECT STOVE. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

THE WARRANTIES CONTAINED IN THIS DOCUMENT EXTEND ONLY TO THE ORIGINAL PURCHASER OF THE STOVE WARRANTED HEREUNDER. THEY DO NOT EXTEND TO ANY SUBSEQUENT OWNERS.

UNDER NO CIRCUMSTANCES SHALL HEARTHSTONE BE LIABLE TO THE ORIGINAL PURCHASER OR ANY OTHER PERSON FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO DAMAGE TO PROPERTY OR PERSONAL INJURIES, WHETHER ARISING OUT OF BREACH OF WARRANTY, TORT, OR OTHERWISE, EVEN IF HEARTHSTONE HAS BEEN APPRAISED OF THE POSSIBILITY OF SUCH DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

REMEDY

The remedy for any breach of the foregoing warranties will consist of repair or replacement, at Hearthstone's option, of any covered defect in the Gas Stove. When the Original Purchaser contacts an authorized Hearthstone Dealer, the authorized Dealer or Hearthstone, as the case may be, will instruct the Original Purchaser to either return the defective part, or the entire Gas Stove (if needed), with shipping prepaid, to an authorized Dealer or Hearthstone or allow an authorized Dealer to make a service call at the place where the Gas Stove is located. In the event the Original Purchaser refuses to allow an authorized Dealer to make a service call, an authorized Dealer or Hearthstone, as the case may be, will request that the Original Owner return the defective part, or the entire Gas Stove (if needed), with shipping prepaid, to an authorized Dealer or Hearthstone. **Notwithstanding any other provision of this document, the Original Purchaser shall pay for any travel fees and service charges related to an authorized Dealer's service call.**

Parts: Hearthstone will replace through an authorized dealer, defective parts covered by the foregoing warranties at no charge.

Labor: Within the first (1st) year after the Purchase Date, Hearthstone will pay for warranty labor performed by an authorized Dealer at Hearthstone's published labor rates in effect at the time the labor is performed. Thereafter, the Original Purchaser is responsible for the cost of labor.

Shipping cost for parts: Within the first ninety (90) days after the Purchase Date, Hearthstone will pay for the shipping of stove parts covered by any of the foregoing warranties to and from Hearthstone or an authorized Dealer, as the case may be. Thereafter, the Original Purchaser is responsible for all shipping costs related to shipping Gas Stove parts to and from Hearthstone or an authorized Dealer, as the case may be.

Shipping cost for the Gas Stove: Within the first (1st) year after the Purchase Date, if the Original Purchaser is instructed to return the Gas Stove to Hearthstone or an authorized Dealer for repair, Hearthstone will pay fifty percent (50%) and the Original Purchaser will pay fifty percent (50%) of the shipping costs related to shipping the Gas Stove to and from Hearthstone or an authorized Dealer, as the case may be. Thereafter, the Original Purchaser is responsible for one hundred percent (100%) of all of the shipping costs related to shipping the Gas Stove to and from Hearthstone or an authorized Dealer, as the case may be. Notwithstanding any other provision of this document, in no event will Hearthstone pay for any Dealer fees or other fees for pick up or delivery of the Gas Stove returned for repair; the Original Purchaser shall be responsible for any such fees.

WARRANTY REGISTRATION

The Original Purchaser can complete their warranty registration on our website at www.hearthstonestoves.com, or send a completed and signed Warranty Registration Form, which is enclosed in the Gas Stove warranty packet, to the following address:

Hearthstone Quality Home Heating Products, Inc.
Warranty Department
317 Stafford Avenue
Morrisville, VT 05661

 **NOTE: SENDING IN THE SIGNED WARRANTY REGISTRATION FORM IS NOT REQUIRED AS A CONDITION OF WARRANTY COVERAGE OR HEARTHSTONE'S PERFORMANCE.**