

Installation & Operating Manual

The Serenity III - HB 38 DV

HARMAN™

BUILT TO A STANDARD, NOT A PRICE



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



“Ce manuel est disponible en Français sur demande”

R14

SAFETY NOTICE

PLEASE READ THIS ENTIRE MANUAL BEFORE YOU INSTALL AND USE YOUR NEW FIREPLACE. FAILURE TO FOLLOW INSTRUCTIONS MAY RESULT IN PROPERTY DAMAGE, BODILY INJURY, OR EVEN DEATH.

FOR USE IN THE U.S. AND CANADA. SUITABLE FOR INSTALLATION IN MOBILE HOMES

IF THIS FIREPLACE IS NOT PROPERLY INSTALLED, A HOUSE FIRE MAY RESULT. FOR YOUR SAFETY, FOLLOW INSTALLATION DIRECTIONS.

CONTACT LOCAL BUILDING OR FIRE OFFICIALS ABOUT RESTRICTIONS AND INSTALLATION INSPECTION REQUIREMENTS IN YOUR AREA.

CONTACT YOUR LOCAL AUTHORITY (SUCH AS MUNICIPAL BUILDING DEPARTMENT, FIRE DEPARTMENT, FIRE PREVENTION BUREAU, ETC.) TO DETERMINE THE NEED FOR A PERMIT.

CETTE GUIDE D'UTILISATION EST DISPONIBLE EN FRANCAIS. CHEZ VOTRE CONCESSIONNAIRE DE HARMAN HOME HEATING.

SAVE THESE INSTRUCTIONS.

#3-90-04238

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

Installation and service must be performed by a qualified installer, service agency, or the gas supplier. Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call 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.

ADVERTISSEMENT: Quinconque ne respect pas à la lettre les instructions dans le présent manuel risque de déclencher un incendie ou une explosion entraînant des dommages matériels, des lésions corporelles ou la perte de vies humaines. Installation ou modification, consulter le manuel des usagers fourn avec ce générateur d'air chaud. Ne pas entreposer ni utiliser d'essence ni d'autres vapeurs ou liquides inflammables dans le voisinage de cet appareil ou de tout autre appareil.

POUR VOTRE SÉCURITÉ: 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 trouvez.
- Evacuez la pièce, le bâtiment ou la zone.
- 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.

This appliance may be installed in an aftermarket, permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes. This appliance is only for use with the type of gas indicated on the rating plate. A conversion kit is supplied with the appliance.

Cet appareil peut être installé dans une maison préfabriquée (mobile) déjà installée à demeure si les règlements locaux le permettent. Cet appareil doit être utilisé uniquement avec les types de gaz indiqués sur la plaque signalétique. Une trousse de conversion est fournie avec cet appareil.

Table of Contents

Introduction	4
Safety Precautions	4
Operation	7
Specifications	9
Installation	12
Face Installation	15
Venting	17
Damper Settings	28
Changing to LP	29
Log Placement	31
Option Installation	
Thermostat	32
Remote Control	32
Remote Register Kit	33
Maintainence	39
Wiring Diagrams	41
Troubleshooting	45
Warranty	50

*Manufactured by:
Harman Home Heating
352 Mountain House Rd.
Halifax PA 17032*

Introduction

The Harman Serenity III Direct Vent Gas Fireplace is a listed gas-fired direct vent room fireplace tested by Intertek Testing Services/Warnock Hersey to ANSI Z21.88-2002-CSA 2.33-2002. CAN-CGA-2.17-M91. Also approved for installation into a shop.

The installation of the Serenity III Direct Vent Gas Fireplace must conform with local codes, or in the absence of local codes, with National Fuel Gas Code, ANSI Z223.1 — latest edition and CAN 1 B1-149.1 and .2 Installation Code.

Also for use in mobile (manufactured) homes after home is sited.

Mobile (manufactured) home installations must adhere to current editions of Title 24 CFR, part 3280, or CSA Z240.4.

CAUTION: This appliance must be vented to the outside.

Installation and repair of the Serenity III Direct Vent Gas Fireplace should be done by a qualified service person. The appliance should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners, and circulating air passageways of the Serenity III be kept clean.

When operating your Harman Serenity III Gas Fireplace, respect basic safety standards. Read these instructions carefully before you attempt to operate the fireplace. Failure to do so may result in damage to property or personal injury and may void the product warranty.

Consult with your local building code agency and insurance representative before you begin your installation to ensure compliance with local codes, including the need for permits and follow-up inspections.

Several issues must be addressed when selecting a suitable location for your Serenity III Gas Fireplace. Observing required clearances to combustible materials, the proximity to a safe venting system location, and the accessibility of the gas and electrical supply must all be considered. In addition, selecting a location that takes advantage of the building's natural air flow is also desirable to maximize the heating effectiveness of the fireplace. In many cases, this is a central location within the building.

Any safety screen or guard removed for servicing an appliance must be replaced prior to operating the appliance.

Due to high temperatures, the Serenity III Direct Vent Gas Fireplace should be located out of traffic and away from furniture and draperies.

Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.

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

Clothing or other flammable materials should not be placed on or near the appliance.

Surveiller les enfants. Garder les vêtements, les meubles, lessence ou autres liquides a vapeur inflammables lin de l'appareil.

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

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

Cet appareil peut être installé dans un maison prefabriquée (mobile) déjà installée à demeure si les règlements locaux le permettent.

Cet appareil doit être utilisé uniquement avec les types de gaz indiqués sur la plaque signalétique. Ne pas l'utiliser avec d'autres gaz sauf si un kit de conversion certifiée est installé.

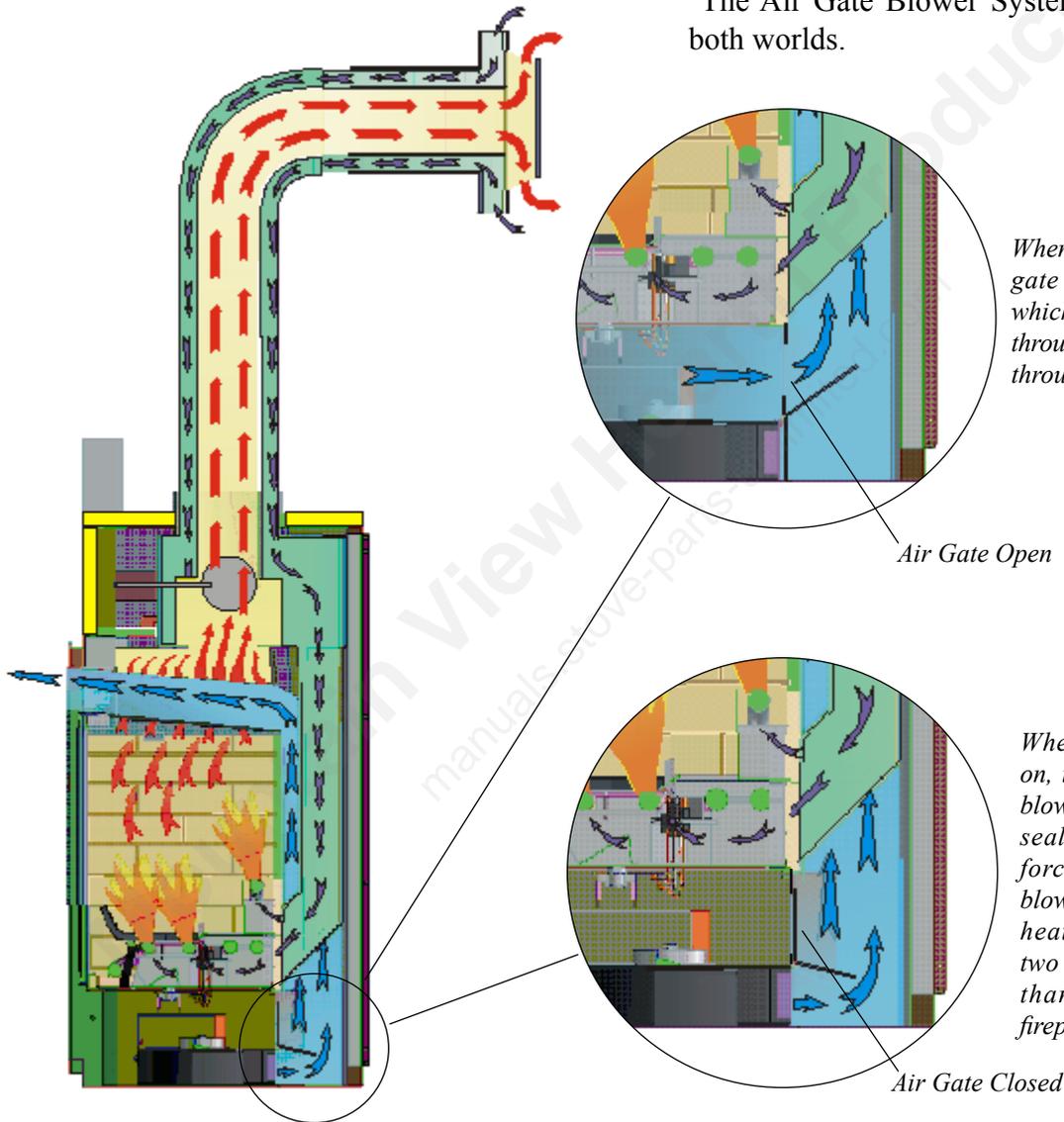
IMPORTANT FEATURE

**200% To 300%
More Air**

Air Gate Blower System

Typically in gas fireplaces the blower (which is usually an option) is placed to blow air up the back of the firebox without any method to keep the air pressure from being lost. This method allows air to flow freely around the blower when the blower is off but gives up a large percentage of the blower's efficiency when it is on.

The Air Gate Blower System gives you the best of both worlds.



Blower Off

When the blower is off the air gate is in the open position which allows air to flow freely through the air chamber and up through the heat exchanger.

Air Gate Open

Blower On

When the blower is turned on, the air pressure from the blower forces the air gate to seal the air chamber. This forces all the air from the blower to travel through the heat exchanger producing two to three times more air than other brands of gas fireplaces.

Air Gate Closed

FOR YOUR SAFETY, READ BEFORE OPERATING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury, or loss of life.

A. This appliance has a pilot. When lighting the pilot, follow instructions exactly.

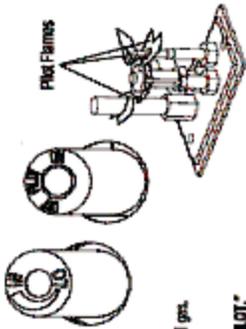
B. Before operating, smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

What to do if you smell gas:

- * Do not try to light any gas appliance.
- * Do not touch any electric switch.
- * Immediately call your gas supplier from a neighbor's phone. Follow gas supplier's instructions.
- * If you cannot reach your gas supplier, call the Fire Department.
- * 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.
- * 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 gas control that has been under water.

LIGHTING INSTRUCTIONS

1. **STOP!** Read the safety information on the panel at the left.
 2. If using optional thermostat, set thermostat to lowest setting.
 3. Turn off electric power to the appliance.
 4. Turn ON-OFF-THERMOSTAT switch to "OFF" position.
 5. Turn red rear burner switch "OFF".
 6. Push in gas control knob slightly and turn clockwise to "OFF".
- NOTE:** Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.
7. Wait five (5) minutes to clear out any gas. If you then smell gas, **STOP!** Follow "B" in the safety information at left on this label. If you don't smell gas, go to the next step.



8. Set High-Low Regulator to "HIGH" by turning fully counterclockwise.
9. Press in the gas control knob slightly and turn it counterclockwise to "PILOT".
10. Find the pilot by looking through the window under the rear leg, four inches left of center.
11. Push the control knob fully down and hold. Immediately push the red pilot igniter button to light the pilot. It is normal to hear a push release hiss and it will pop back up. Pilot should remain lit. If it goes out, repeat steps 5 through 11.

The red button several times before the pilot lights. Continue to hold the control knob in for about one (1) minute after the pilot is lit.

Release knob and it will pop back up. Pilot should remain lit. If it goes out, repeat steps 5 through 11.

* If 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.

12. Turn the gas control knob counterclockwise to "ON".

13. Place the ON-OFF-THERMOSTAT switch in "ON" position or "THERMOSTAT" position if the optional thermostat is used.

14. Turn on electric power to appliance.

15. Set the optional thermostat to desired room temperature.

16. Set the High-Low Regulator to desired setting by turning fully counterclockwise for High and fully clockwise for Low.

17. Turn red rear burner switch to "ON" to light the rear burner if desired. This front burner must be burning to light the rear burner.

TO TURN OFF GAS TO APPLIANCE

1. If using optional thermostat, set thermostat to the lowest position.
 2. Turn off electric power to the appliance.
 3. Turn ON-OFF-THERMOSTAT switch to "OFF" position.
 4. Push in gas control knob slightly and turn clockwise to OFF.
- NOTE:** Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.

CAUTION: HOT WHILE IN OPERATION. DO NOT TOUCH. KEEP CHILDREN, CLOTHING, FURNITURE, GASOLINE, AND LIQUIDS WITH FLAMMABLE VAPORS AWAY.

ATTENTION: L'appareil est chaud lorsqu'il fonctionne. Ne pas toucher l'appareil. Surveiller les enfants. Garder les vêtements, les meubles, l'essence ou autres liquides à vapour inflammables loin de l'appareil.

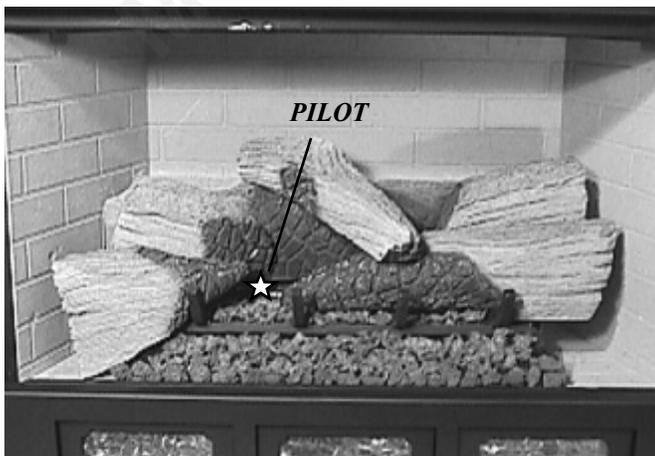
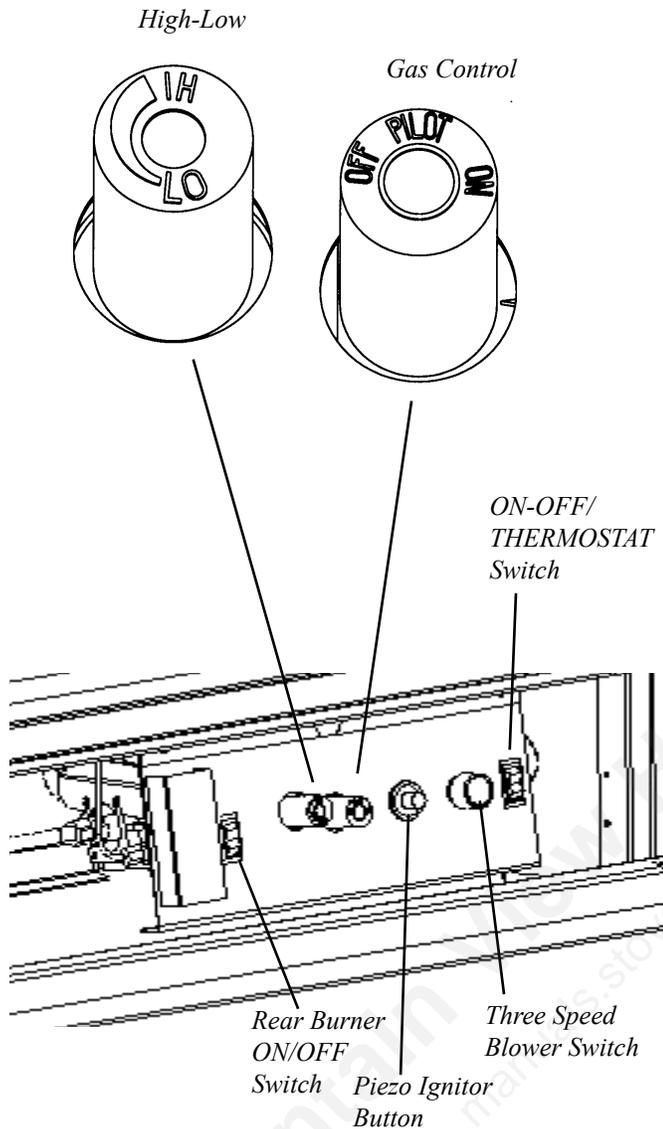
Refer to label on rear of appliance for venting information. Keep burner and control compartment clean. See installation and operating instructions in owner's manual accompanying appliance.

Consultez que le fond et le compartiment des commandes sont propres. Voir les instructions d'installation de utilisation qui accompagnent l'appareil.

Manufactured by Harman Stove Company
352 Mountain House Road, Halifax, PA 17032. (717) 362-9080

Refer to actual label for important instructions and safety concerns. This label can be found in the bottom of the fireplace, next to the blower.

OPERATION



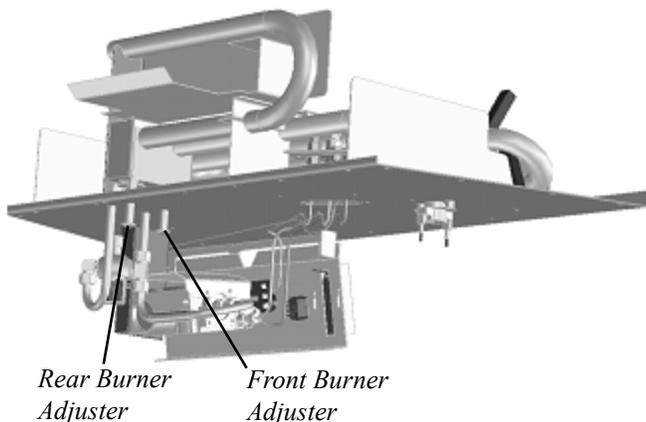
Operation

HOW TO LIGHT THE FIRE

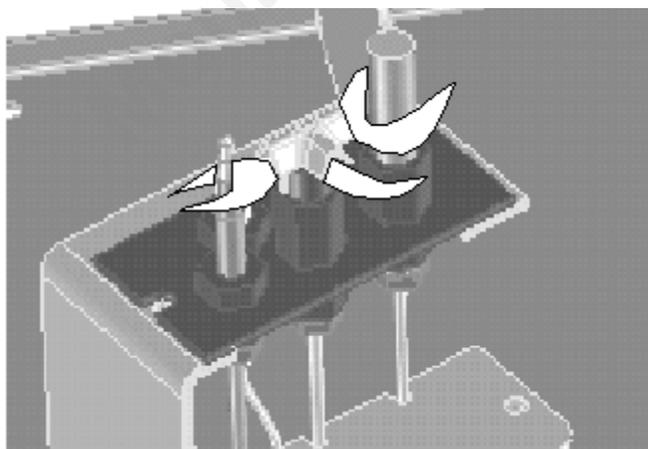
1. STOP! Read the safety information on the front cover.
 2. If using the optional thermostat, set the thermostat to its lowest setting.
 3. Turn off all electrical power to the appliance.
 4. Turn the ON-OFF/THERMOSTAT switch to the OFF position.
 5. Push in the gas control knob slightly and turn it clockwise to "OFF." NOTE: THE KNOB CANNOT BE TURNED FROM "PILOT" TO "OFF" UNLESS IT IS PUSHED IN SLIGHTLY. DO NOT FORCE IT.
 6. Wait five (5) minutes to clear out any gas. If you then smell gas, STOP! Follow steps in the safety information on page 2. If you don't smell gas, go to the next step.
 7. Set the High-Low Regulator to High by turning it fully counterclockwise.
 8. Press in the gas control knob slightly and turn it counter-clockwise to "PILOT."
 9. Locate the pilot near the center of the firebox as shown below.
 10. Push the control knob in fully and hold. Immediately push the red piezo ignitor button to light the pilot. It is normal to have to push the red button several times before the pilot ignites. Continue to hold the control knob in for about one(1) minute after the pilot is lit. Release the knob and it will pop back up. The 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. Turn the gas control knob counterclockwise to "ON."
 12. Place the ON-OFF/THERMOSTAT switch in the ON position or in the THERMOSTAT position if the optional thermostat is used.
 13. Restore electrical power to the heater.
 14. Set the optional thermostat to the desired temperature.

OPERATION

Bottom rear view of burner module.



Normal Flame pattern. Note: Flames will vary in height and position depending on the placement and the amount of ember wool.



15. Set the High-Low Regulator to the desired setting: Turn fully counterclockwise for High and fully clockwise for Low.
16. Press the rear burner switch to the “ON” or “OFF” position as desired. This switch will return to the center position after it is pressed. This is normal as well as a faint click when pressed. The main burner must be lit before the rear burner will light. The rear burner may be turned “ON” or “OFF” at any time.

NOTE: An odor, resulting from the initial heating of new materials in your heater, is not unusual during the first fire, and in most cases will disappear after an hour or two.

HOW TO TURN OFF THE FIRE

1. If using the optional thermostat, set thermostat to the lowest position.
2. Turn off the electric power to the appliance.
3. Turn the ON-OFF/THERMOSTAT switch to the OFF position.
4. Push in the gas control knob slightly and turn it clockwise to “OFF.”

NOTE: The knob cannot be turned from “PILOT” to “OFF” unless it is pushed in slightly. Do not force it.

FLAME HEIGHT ADJUSTMENT

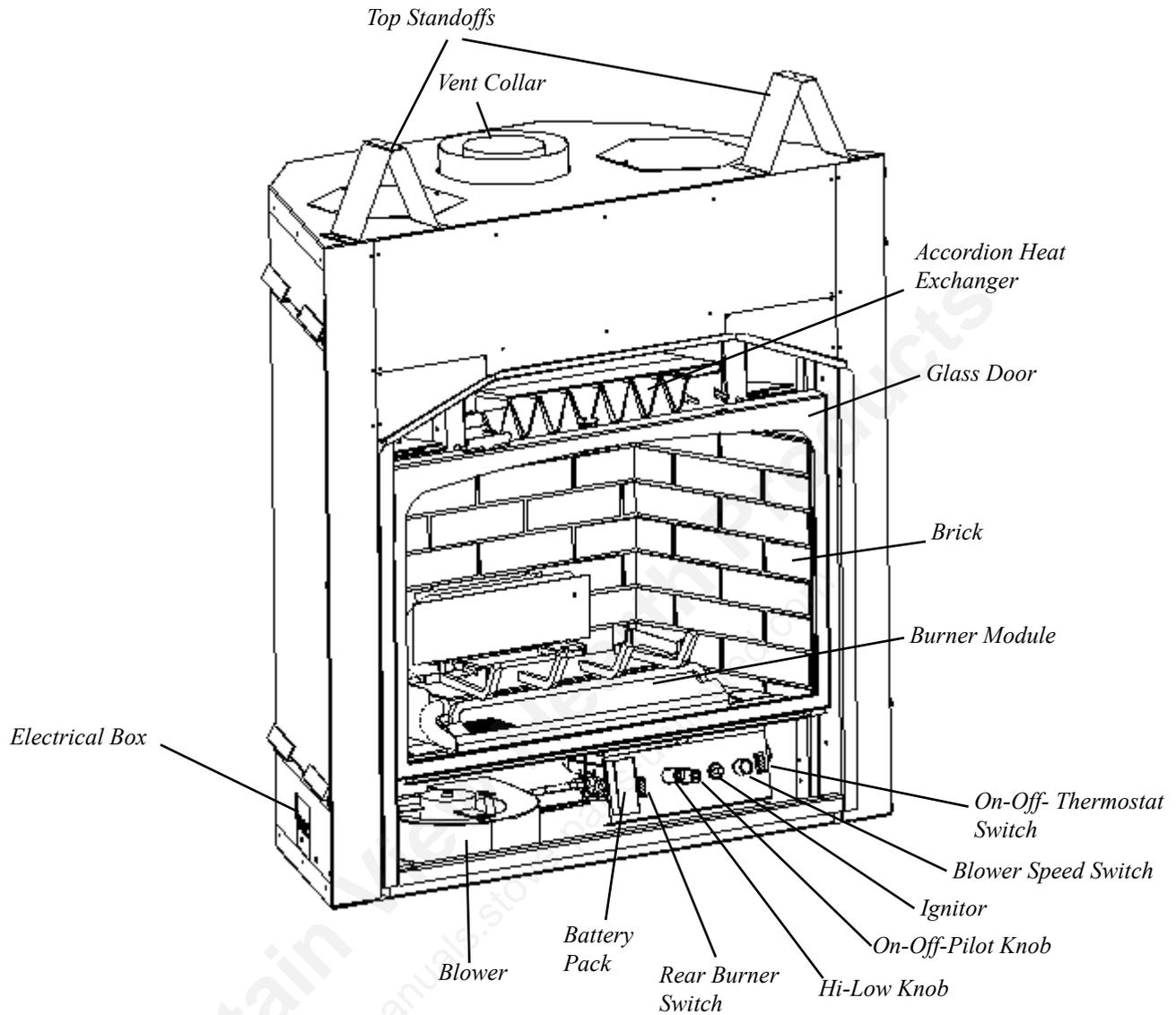
There are separate adjusters for the front and rear burners. These adjusters can be accessed by reaching to the left side of the control panel and toward the back of the unit. Turn the adjusters counterclockwise (up) to increase flame height and clockwise (down) to decrease. See above left. Adjusting the flames too high will cause them to have black tips and cause sooting. Sooting can cause the glass to get dirty.

Warning: The unit and adjuster may be hot. Wear gloves and arm protection if making adjustments while in operation.

Pilot Flames

If pilot flames are less than shown at left, use pilot adjuster to increase flames.

SPECIFICATIONS



RATINGS

	NATURAL	PROPANE
Input Rating (Btu/hr)(0-4500 ft.)(0-1375 m)	43500	43500
Min. Input Rating (Btu/hr)(0-4500 ft.)(0-1375 m)	23300	23800
Orifices (DMS)(front/rear)(0-4500 ft.)(0-1375 m)	31/51	52/59
Manifold Pressure (in w.c./kPa)	3.5/0.87	10.0/2.49
Min. Manifold Pressure (in w.c./kPa)	1.7/0.42	6.3/1.6
Min. Inlet Pressure (in w.c./kPa)	5.0/1.25	11.0/2.74
Max. Output (Btu/hr)(0-4500 ft.)(0-1375 m) (Blower Off)	31500	32000
Max. Efficiency (Blower On)	84.5%	

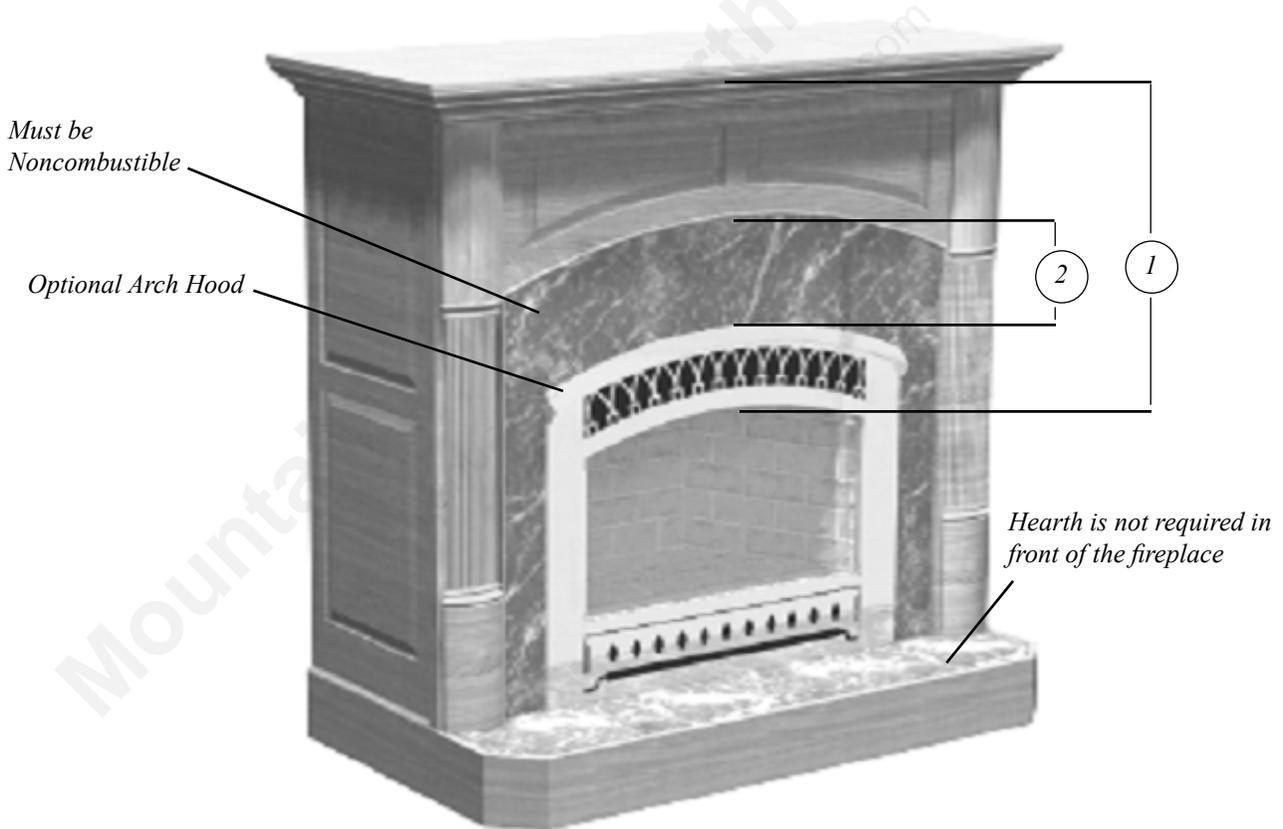
SPECIFICATIONS

MINIMUM CLEARANCES FROM COMBUSTIBLE CONSTRUCTION

Unit to floor	0 in.
Face to side wall	7 in.
Unit to top stand-offs	0 in.
Unit to side stand-offs	0 in.
Unit to rear stand-offs	0 in.
Top of Glass to 7" Mantel	26in.
Venting to Combustibles	1 in.

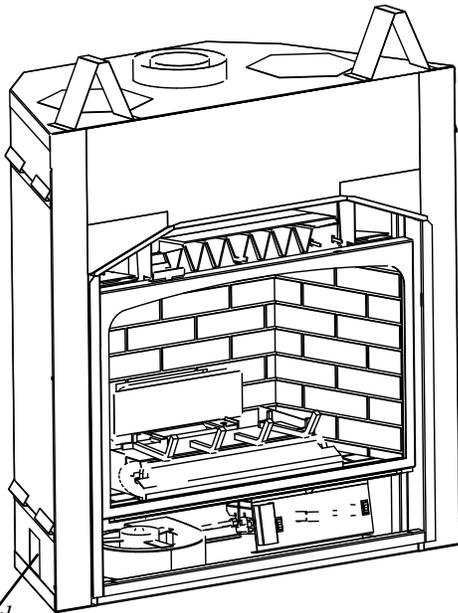
Electrical Rating: 120 Volts, 60 Hz, < 2.75 AMP

This fireplace may be placed on a wood floor.



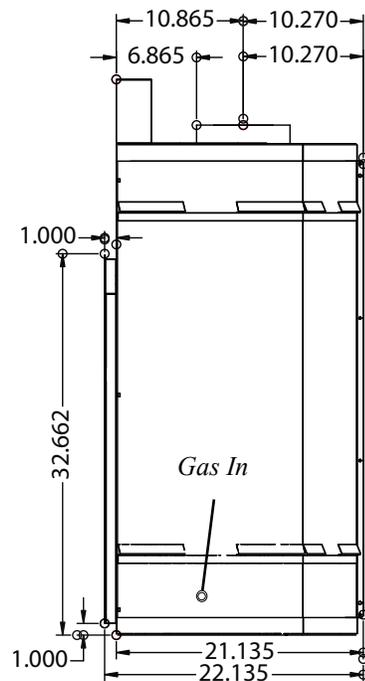
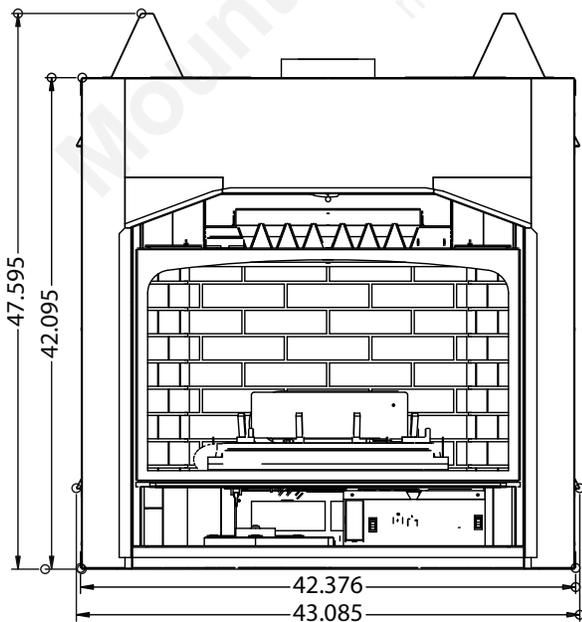
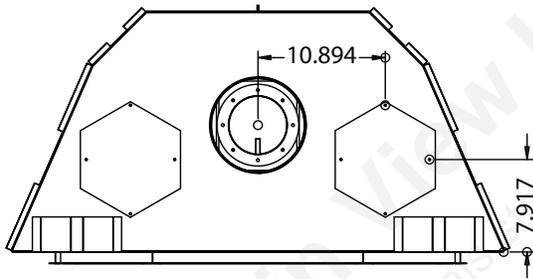
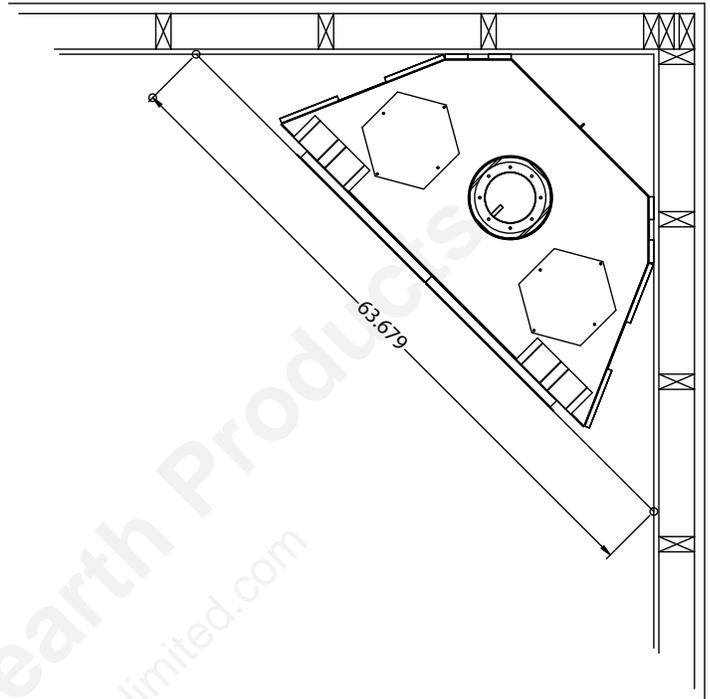
①. Clearance from top of glass to 7" mantel.	26 inches
②. Clearance from top of arch to bottom of wood facing.	10 inches with optional arch hood and 15 inches without arch hood

SPECIFICATIONS



Electrical
Hook-up

Corner



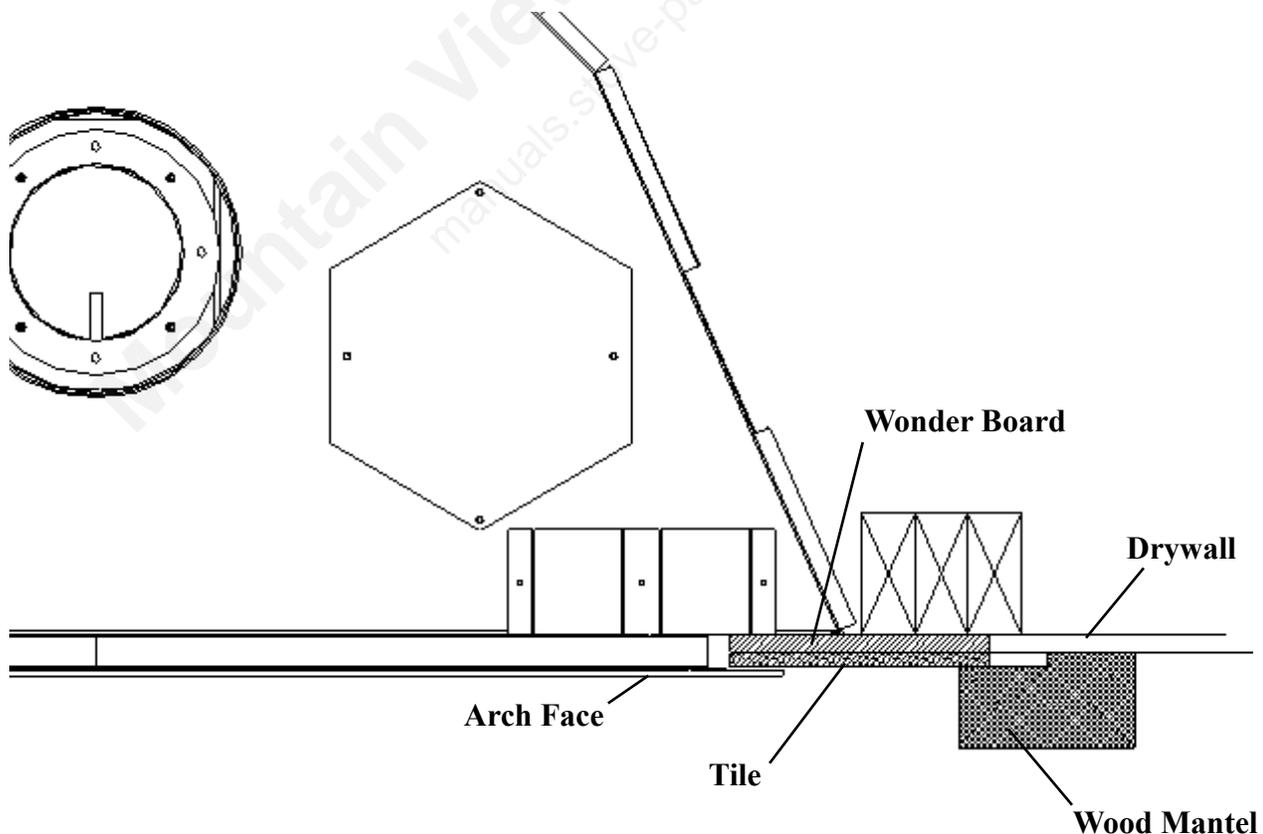
Installation Options

This section deals with basic installation with an Arch face. It does not describe every possible way to install this fireplace. This is why it is important to have a qualified installer do the installation.

The Serenity III can be laid in stone, brick, or other masonry products. For this purpose, a special arch face template (part # 1-00-4238231) is available.

The installation must conform with local codes or, in the absence of local codes, with the *National Fuel Gas Code, ANSI Z223.1 / NFPA 54*, or the *Natural Gas and Propane Installation Code, CSA B149.1*.

Typical Tile Facing Sectional View



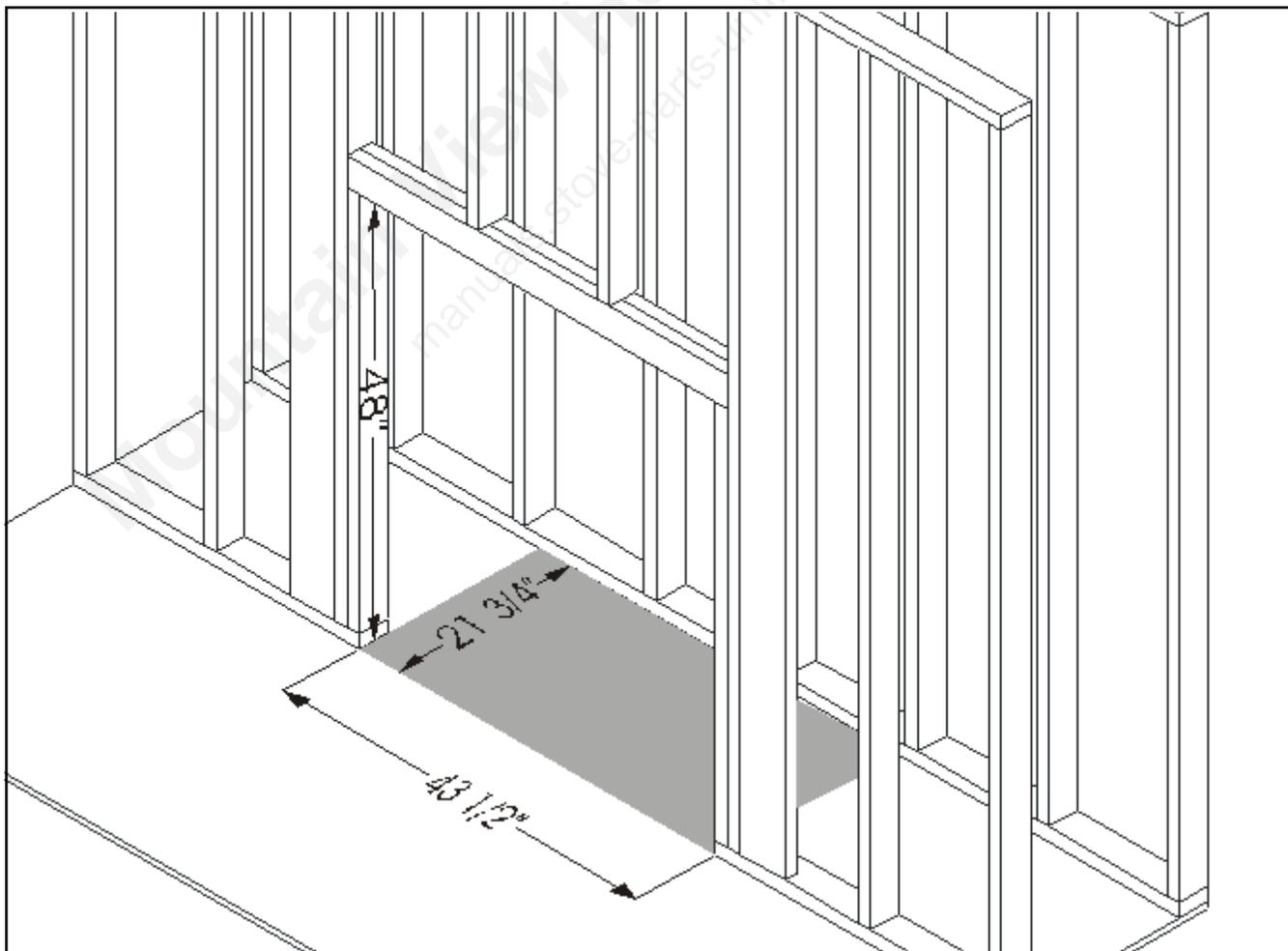
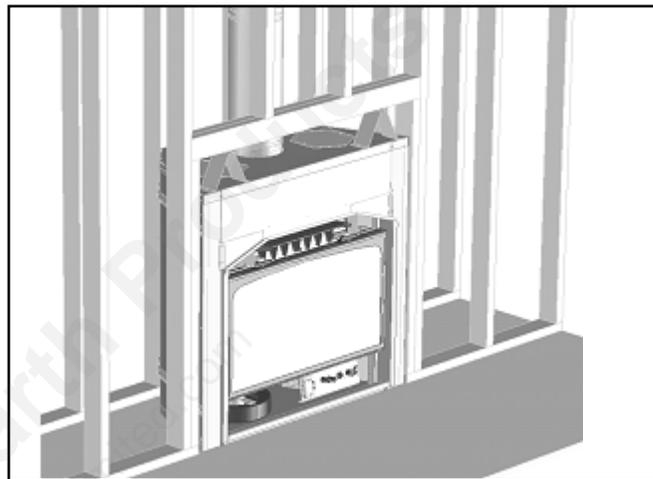
Placement

Here are some of the things that will affect the exact placement of the fireplace.

1. Venting configuration.
2. Must decide on mantel and front facing material.
3. Raised hearth, flat hearth or raised with no hearth.
4. One, two or no remote duct kits.
5. Thermostat position.
6. Gas line hook-up is on the right side.
7. Electrical hook-up is on the left side.

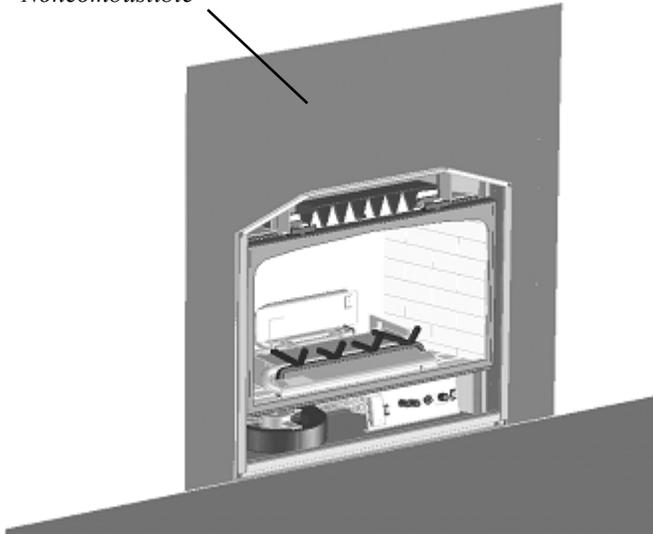
This appliance must be electrically connected and grounded in accordance with local codes or, in the absence of local codes, with the current edition of NFPA 70-National Electric Code or CSA C22.1-Canadian Electrical Code.

This unit shall not be installed on carpet, vinyl tile, or combustible material other than wood

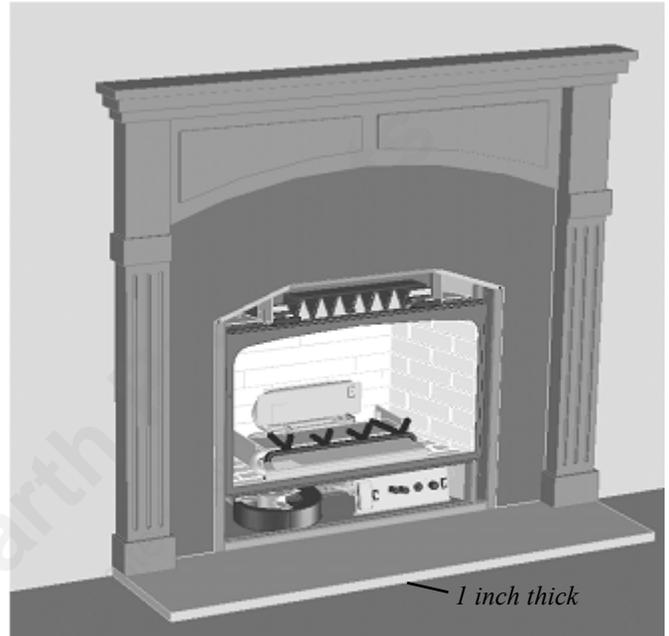


Installing fireplace in a wall with an arch face, ceramic tile facing, and a wood mantel.

Noncombustible



Noncombustible material such as Dura-rock must be used as facing on the front of the fireplace cabinet.



A one inch space under the front edge of the fireplace allows room for hearth material. Hearth material that is thicker must be compensated for by raising the fireplace the proper amount.



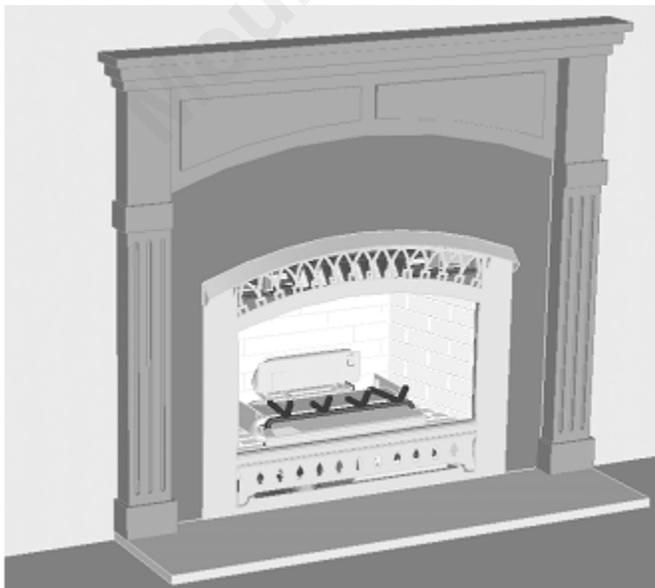
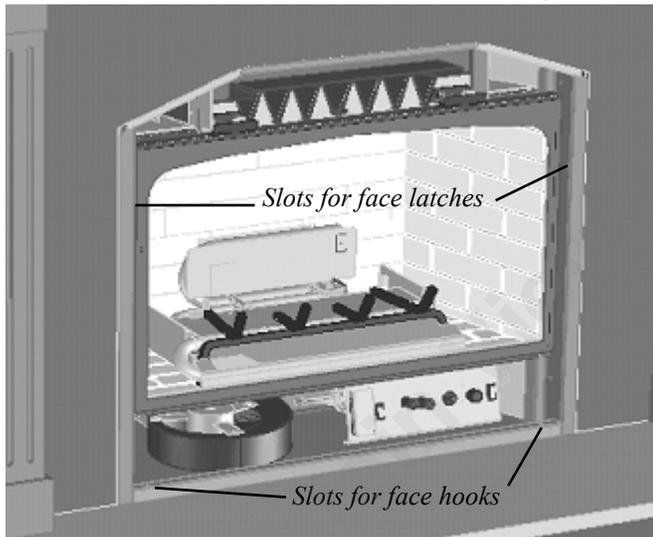
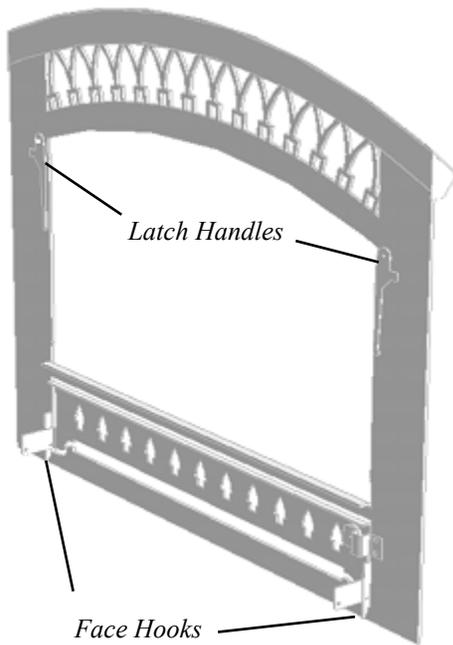
Ceramic tile, marble or other decorative noncombustible material may be used in front of the Dura-rock. The total thickness for all layers of facing material may not exceed one inch.

Installing The Face

To install the face, place the hooks on the bottom rear of the face into the hook slots on the fireplace. Next with the top latch handles in the horizontal position push the face against the fireplace and swing the latches straight down causing them to enter the top face slots.

Removing The Face

To remove the face, unlatch the top latches, tilt the top of the face away from the fireplace and lift the face out of the bottom slots.



Burn Only the Fuel for which the Heater is Equipped

The Serenity III Direct Vent will burn either natural gas or propane, but requires a change over kit for propane. The label on the burner system module indicates the fuel for which it is equipped. A second label, (on the valve) also indicates the fuel type.

<input type="checkbox"/>	NATURAL GAS
<input type="checkbox"/>	PROPANE

Making The Gas Connection

The gas inlet is located on the bottom right side of the fireplace. The inlet fitting is a 3/8" female flare flexible pipe.

A separate gas shut-off valve and a 1/8" N.P.T. plugged tapping should be installed immediately upstream of the connection to the appliance.

The Serenity III Direct Vent Gas Heater must be disconnected from the gas supply piping during any pressure testing of that system at pressures in excess of 1/2 psig (3.5 kPa).

The Serenity III gas control valve must be in the OFF position during any pressure testing of the gas supply system at pressures equal to or less than 1/2 psig (3.5 kPa).

WARNING: This product must be installed by a licensed plumber or gas fitter when installed within the Commonwealth of Massachusetts.

WARNING: To avoid pipe compounds from entering into the gas train, apply compounds only to male pipe threads and do not apply compound to the first two threads.

CAUTION: TEST ALL JOINTS FOR LEAKS BEFORE OPERATING.

Gas Pressure Requirements:

Correct gas pressure and the use of a properly sized gas supply line are essential for the safe and efficient performance of this appliance. Make sure that the plumber or gas supplier checks the gas supply line and gas pressure at installation.

NOTE: Improper gas pressure can affect heater performance, flame color, or cause pilot outage.

Natural Gas:

Maximum inlet pressure 7.0" w.c. (1.74 kPa)

Minimum inlet pressure 5.0" w.c. (1.25 kPa)

Gas manifold pressure 3.5" w.c. (0.87 kPa)

LPG Gas:

Maximum inlet pressure 13" w.c. (3.24 kPa)

Minimum inlet pressure 11" w.c. (2.74 kPa)

Gas manifold pressure 10" w.c. (2.49 kPa)

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

DO NOT USE THIS HEATER IF ANY PART HAS BEEN UNDER WATER OR EXPOSED TO MOISTURE CORROSION. IMMEDIATELY CALL A QUALIFIED SERVICE TECHNICIAN TO INSPECT THE HEATER AND REPLACE ANY PART OF THE CONTROL SYSTEM AND ANY GAS CONTROL WHICH HAS BEEN UNDER WATER.

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.

RECOMMENDED GAS PIPE DIAMETER

Pipe Length (Feet)	Schedule 40 Pipe Inside Diameter		Tubing, Type L Outside Diameter	
	N.G.	L.P.	N.G.	L.P.
0-10	1/2" 1.3 cm	3/8" 1.0 cm	1/2" 1.3 cm	3/8" 1.0 cm
10-40	1/2" 1.3 cm	1/2" 1.3 cm	5/8" 1.6 cm	1/2" 1.3 cm
40-100	1/2" 1.3 cm	1/2" 1.3 cm	3/4" 1.6 cm	1/2" 1.3 cm
100-150	3/4" 2.0 cm	1/2" 1.3 cm	7/8" 2.3 cm	3/4" 2.0 cm

NOTE: NEVER USE PLASTIC PIPE. CHECK TO CONFIRM WHETHER YOUR LOCAL CODES ALLOW COPPER TUBING OR GALVANIZED PIPE.

Use Only Approved Venting

This appliance has been tested and is listed for installation with only the listed manufacturer's venting components contained on the next few pages. The vent manufacturer warranty will be voided, and serious fire, health, or other safety hazards may result from any of the following actions:

- Installation of any damaged component.
- Unauthorized modification of the venting system or its components.
- Installation of any component or part not manufactured or approved by that same venting manufacturer.
- Installation other than as instructed by the venting manufacturer and the appliance manufacturer.

Consult your local building codes before beginning the installation, and follow the manufacturer's instructions exactly. The Simpson DuraVent GS venting components listed below are approved for use with the Serenity Direct Vent Gas Fireplace.

Part Numbers for Simpson Dura-Vent Pipe and Fittings

6-5/8" x 4"	8" x 5"	Description
908	1208	6" Pipe Length
908B	1208B	6" Pipe Length, Black
907	1207	9" Pipe Length
907B	1207B	9" Pipe Length, Black
906	1206	12" Pipe Length
906B	1206B	12" Pipe Length, Black
904	1204	24" Pipe Length
904B	1204B	24" Pipe Length, Black
903	1203	36" Pipe Length
903B	1203B	36" Pipe Length, Black
902	1202	48" Pipe Length
902B	1202B	48" Pipe Length, Black
911	1211	11" to 14-5/8" Pipe, Adjustable
911B	1211B	11" to 14-5/8" Pipe, Adjustable, Black
n/a	1217	17" to 24" Pipe, Adjustable
945	1245	45° Elbow
945B	1245B	34° Elbow, Black
990	1290	90° Elbow
990B	1290B	90° Elbow, Black
940	1240	Rnd Support Box/Wall Thimble Cover
941	1241	Cathedral Ceiling Support Box
943	1243	Flashing, 0/12 to 6/12 Roof Pitch
943S	1243S	Flashing, 7/12 to 12/12 Roof Pitch
953	1253	Storm Collar
963	1263	Ceiling Firestop
988	1288	Wall Strap
981	1281	Snorkel Termination (36")
982	1282	Snorkel Termination (14")
984	1284	Horizontal Square Termination
980	1280	Vertical Termination
991	1291	Vertical Termination, High Wind
950	1250	Vinyl Siding Standoff
1222D (Only available from Harman)		8" x 5" to 6 5/8" x 4" Adaptor

Selkirk Direct-Temp - Cross Reference**Selkirk Direct-Temp**

Stock No.	Description
4DT-6	6" Pipe Length, Galvanized
4DT-6B	6" Pipe Length, Black
4DT-9	9" Pipe Length, Galvanized
4DT-9B	9" Pipe Length, Black
4DT-12	12" Pipe Length, Galvanized
4DT-12B	12" Pipe Length, Black
4DT-18	18" Pipe Length, Galvanized
4DT-18B	18" Pipe Length, Black
4DT-24	24" Pipe Length, Galvanized
4DT-24B	24" Pipe Length, Black
4DT-36	36" Pipe Length, Galvanized
4DT-36B	36" Pipe Length, Black
4DT-48	48" Pipe Length, Galvanized
4DT-48B	48" Pipe Length, Black
4DT-AJ	Adjustable Length, 11" - 14", Galv.
4DT-AJB	Adjustable Length, 11" - 14", Black
4DT-EL45	45° Elbow, Galvanized
4DT-EL45B	45° Elbow, Black
4DT-EL90	90° Elbow, Galvanized
4DT-EL90B	90° Elbow, Black
4DT-AA	Appliance Adaptor, Black
4DT-RD	Restriction Disc
4DT-CS	Ceiling Support
4DT-CSS	Cathedral Support Box
4DT-WS/B	Wall Support Band
4DT-OS	Offset Support
4DT-WT	Round Wall Thimble, Black
4DT-FS	Firestop Spacer
4DT-TP	Trim Plate, Black
4DT-HKA	Horizontal Term. Kit A
4DT-HKB	Horizontal Term. Kit B
4DT-VKC	Vertical Termination Kit
4DT-HVC	High Wind Vertical Cap
4DT-HHC	High Wind Horizontal Cap
4DT-SC	Storm Collar
4DT-AF6	Adjustable Flashing, 0/12-6/12
4DT-AF12	Adjustable Flashing 6/12-12/12
4DT-VS	Vinyl Siding Standoff
4DT-VSP	Vinyl Siding Shield Plate
4DT-ST14	Snorkel Termination 14"
4DT-ST36	Snorkel Termination 36"

Simpson Dura-Vent Direct Vent GS

Stock No.	Description
908	6" Pipe Length, Galvanized
908B	6" Pipe Length, Black
907	9" Pipe Length, Galvanized
907B	9" Pipe Length, Black
906	12" Pipe Length, Galvanized
906B	12" Pipe Length, Black
n/a	
n/a	
904	24" Pipe Length, Galvanized
904B	24" Pipe Length, Black
903	36" Pipe Length, Galvanized
903B	36" Pipe Length, Black
902	48" Pipe Length, Galvanized
902B	48" Pipe Length, Black
911	Adjustable Length, 11"-14", Galv.
911B	Adjustable Length, 11"-14", Black
945	45° Elbow, Galvanized
945B	45° Elbow, Black
990	90° Elbow, Galvanized
90B	90° Elbow, Black
n/a	
929	Restrictor Disc
949	Round Ceiling Spt/Wall Thimble Cvr
941	Cathedral Ceiling Support Box
988	Wall Strap
989	Elbow Strap
942	Wall Thimble
963	Ceiling Firestop
n/a	
970	Basic Horizontal Term. Kit
971	Horizontal Termination Kit A
978	Vertical Termination Kit
991	High Wind Termination Cap
985	Horizontal Square High Wind Termination
953	Storm Collar
943	Adjustable Flashing, 0/12-6/12
943S	Adjustable Flashing 6/12-12/12
950	Vinyl Siding Standoff
n/a	
982	Snorkel Termination Cap 14"
981	Snorkel Termination Cap 36"

SECURE VENT DIRECT VENT SYSTEM - 4" x 6-5/8" and 5" x 8"

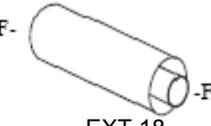
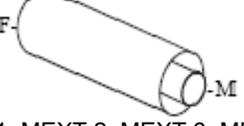
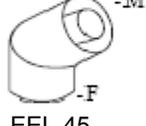
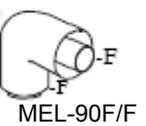
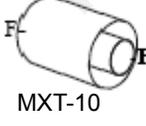
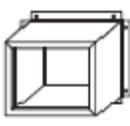
Cross Reference List

Description	Secure Vent	Simpson Dura-Vent	Secure Vent	Simpson Dura-Vent
	Cat No.	Direct Vent GS Stock No.	Cat No.	Direct Vent GS Stock No.
Length 6" (Galvalume)	SV4L6	908	SV5L6	1208
Length 6" (Black)	SV4LB6	908B	SV5LB6	1208B
Length 12" (Galvalume)	SV4L12	906	SV5L12	1206
Length 12" (Black)	SV4LB12	906B	SV5LB12	1206B
Length 24" (Galvalume)	SV4L24	904	SV5L24	1204
Length 24" (Black)	SV4LB24	904B	SV5LB24	1204B
Length 36" (Galvalume)	SV4L36	903	SV5L36	1203
Length 36" (Black)	SV4LB36	903B	SV5LB36	1203B
Length 48" (Galvalume)	SV4L48	902	SV5L48	1202
Length 48" (Black)	SV4LB48	902B	SV5LB48	1202B
Adj. Length (Galv.)(Adjustable 6")	SV4LA	n/a	SV5LA	n/a
Adj. Length (Blk)(Adjustable 6")	SV4LBA	n/a	SV5LBA	n/a
Adj. Length (Galv.)(Adjustable 12")	SV4LA12	n/a	SV5LA12	n/a
Adj. Length (Blk)(Adjustable 12")	SV4LBA12	n/a	SV5LBA12	n/a
Adj. Length (Galv.)(Adjustable 24")	SV4LA24	917	SV5LA24	1217
Adj. Length (Blk)(Adjustable 24")	SV4LBA24	917B	SV5LBA24	1217B
Swivel 45° elbow (Galvalume)	SV4E45	945G	SV5E45	1245G
Swivel 45° elbow (Black)	SV4EB45	945BG	SV5EB45	1245BG
Rigid 45° elbow (Black)	SV4EBR45	945B	SV5EBR45	1245B
Swivel 90° elbow (Galvalume)	SV4E90	990G	SV5E90	1290G
Swivel 90° elbow (Black)	SV4EB90	990BG	SV5EB90	1290BG
Rigid 90° elbow (Black)	SV4EBR90	990B	SV5EBR90	1290B
Adjustable Decorative Square Cathedral Support Collar for the Decorative Square Cathedral Support Decorative Black Plate (square) Universal Support Floor Support Roof Brace Roof Support	SV4CSB SV4AC SV4PF SV4SU SV4SD SV4BS SV4ST	941 n/a 940 989 n/a n/a n/a	SV5CSB SV5AC SV5PF SV5SU SV5SD SV5BS SV5ST	1241 n/a 1240 1289 n/a n/a n/a
Wall Band Attic Radiation Shield Wall Radiation Shield Firestop	SV4BM SV4RSA SV4RSM SV4BF	988 n/a 942 963	SV5BM SV5RSA SV5RSM SV5BF	1288 n/a 1242 1263
Flat Roof Flashing(storm collar incl.) Adjustable Roof Flashing 1/12 - 7/12 (storm collar incl.) Adjustable Roof Flashing 8/12 - 12/12 (storm collar incl.) Storm Collar	SV4F SV4FA SV4FB SV4FC	943F 943 943S 953	SV5F SV5FA SV5F B SV5FC	1243F 1243 1243S 1253
Vinyl Shield Protector Restrictor Disk VERTICAL TERMINATION CAP HORIZONTAL TERMINATION CAP SNORKEL CAP 14" SNORKEL CAP 36"	SV4VS SV4RD SV4CGV SV4CHC-1 SV4STC14 SV4STC36	950 929 980 984 982 981	SV5VS SV5RD SV5CGV SV5CHC-1 SV5STC14 SV5STC36	1250 n/a 1280 1284 1282 1281

Montigo Direct Vent



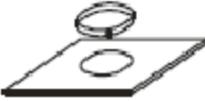
Standard Series Direct Vent (4"/ 7")

		Description	Order Code
		HORIZONTAL TERMINATIONS 3" length, no mounting frame (use with MSR or MOSR) 3" Termination, with integral mounting frame	MTO3 MTO3F
		VERTICAL TERMINATION Termination for vertical installations Includes MXT-10 adaptor (for straight, vertical installations)	MVTK1
		Termination Touch-Up Paint	Paint03
		VENT PIPES Extensions 18" rigid section (female/female) 12" rigid section (female/male) 24" rigid section (female/male) 36" rigid section (female/male) 48" rigid section (female/male) 72" rigid section (female/male)	EXT18 MEXT1 MEXT2 MEXT3 MEXT4 MEXT6
		Flex Sections 12" flex section (female/female connectors) 18" flex section (female/female) 24" flex section (female/female) 36" flex section (female/female) 48" flex section (female/female)	MFL1 MFL18 MFL2 MFL3 MFL4
		Elbows 45° solid elbow section (female/male connectors) 90° elbow (female/female) 90° elbow (male/male) 90° elbow (female/male) Clearance Reducing Sleeve	EEL45 MEL90F/F MEL90M/M MEL90F/M CRS30
			
		Vertical Installation Adaptor 10" flue adaptor for straight, vertical installations (female/female) Vent Connector 4" vent connector (male/male)	MXT10 MVA
		TERMINATION FRAMES Siding or Stucco Frame Used for easy installation of termination.	MSR
		Siding or Stucco Can Used to provide installation of termination from the inside of the building.	MOSR
		Brick Siding Can Used for installation of termination on brick wall. 4" depth 6" depth	BSR-4 BSR-6

Montigo Direct Vent



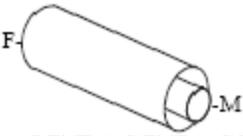
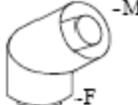
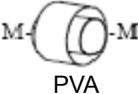
Standard Series Direct Vent (4"/ 7")

	Description	Order Code
	<p>SNORKEL TERMINATIONS 18" vertical rise 30" vertical rise</p>	<p>SNK47-2 SNK47-3</p>
 <p>SNK47-2, SNK47-3</p>	<p>HEAT GUARD Fits all Standard Series (4/7") terminations</p>	<p>MTKOG</p>
 <p>MTKOG</p>	<p>HEAT SHIELDS Through-the-wall Radiation Shield for 4"/7" venting Vinyl Siding Shield Recommended for protecting vinyl siding (above was Discontinued Replace with VSS) Vinyl Siding Shield Recommended for protecting vinyl siding</p>	<p>RHS100 RHS105 VSS</p>
 <p>FS-7 (7" FIRESTOP)</p>	<p>VERTICAL INSTALLATION ACCESSORIES 7" Firestop 7" Support plate & support ring 7" Support plate & support ring (Bulk pack of 6)</p>	<p>FS7 MSPXT7 MSP706</p>
 <p>MSPXT-7 (7" SUPPORT PLATE)</p>	<p>Flashing and storm collar for 1/12 to 7/12 pitch roof Flashing and storm collar for 1/12 to 7/12 pitch roof (Bulk pack of 6) Flashing and storm collar for 7/12 to 12/12 pitch roof Flashing and storm collar for 7/12 to 12/12 pitch roof (Bulk pack of 6)</p>	<p>MRF7 MRF706 MRF-12 MRF1206</p>
 <p>MRF-7, MRF-12</p>	<p>Horizontal Vent Restrictors For 8' - 14' horizontal vent run For 15' - 24" horizontal vent run For 25' - 35' horizontal vent run Vent restrictors may not be required. Contact the factory for more information.</p>	<p>MHVR8 MHVR15 MHVR25</p>
	<p>Vertical Vent Restrictors For 8' - 14' vertical vent run For 15' - 24" vertical vent run For 25' or greater vertical vent run Vent restrictors may not be required. Contact the factory for more information.</p>	<p>MVVR8 MVVR15 MVVR25</p>
	<p>MOBILE HOME KITS Wall Penetration Kit (For 2 x 4 Construction) Kit includes wall shield and 4" termination. Suitable for all corner installations & straight through the wall installations with 2 x 4 construction. Wall Penetration Kit (For 2 x 6 Construction) Kit includes wall shield and 5" termination.</p>	<p>WPKMH4 WPKMH6</p>

Montigo Direct Vent



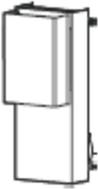
Premium Series Direct Vent (5" / 8")

Description		Order Code
HORIZONTAL TERMINATIONS		
	3" Termination with no mounting frame (male connector) (use with MSR or MOSR).	PTO3
	3" Termination & mounting frame (male connector)	PTO3F
VERTICAL TERMINATION		
	Termination for vertical installations (male connector) Includes PXT-10 adaptor (for straight, vertical installations).	PVTK1
VENT PIPES		
	Note: For all Rear Vent applications with no vertical rise, there is a maximum horizontal run of 20".	
Extensions		
	5" rigid section (female/female connectors)	PXT5
	10" rigid section (female/female)	PXT10
	20" rigid section (female/female)	PXT20
	12" rigid section (female/male connectors)	PEXT1
	24" rigid section (female/male)	PEXT2
	36" rigid section (female/male)	PEXT3
	48" rigid section (female/male)	PEXT4
	72" rigid section (female/male)	PEXT6
Flex Sections		
	12" flex section (female/female connectors)	PFL1
	18" flex section (female/female)	PFL18
	24" flex section (female/female)	PFL2
	36" flex section (female/female)	PFL3
	48" flex section (female/female)	PFL4
Elbows		
	45° elbow (female/male connectors)	PEL45FM
	90° elbow (female/female connectors)	PEL90F/F
	90° elbow (male/male)	PEL90M/M
	90° elbow (female/male)	PEL90F/M
	Clearance Reducing Sleeve	CRS30
Vent Connector		
	4" length vent connector (male/male connectors)	PVA
	10" length, reduces vertical 5" / 8" venting to 4" / 7" (male/female connectors)	PVA5487
TERMINATION FRAMES		
	Siding or Stucco Frame	MSR
	Used for easy installation of termination.	MOSR
	Siding or Stucco Can	
	Used to provide installation of termination from the inside of the building.	
Brick Siding Can		
	Used for installation of termination on brick wall.	
	4" depth	BSR-4
	6" depth	BSR-6

Montigo Direct Vent



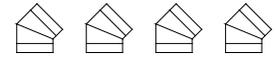
Premium Series Direct Vent (5"/8")

	Description	Order Code
SNORKEL TERMINATIONS		
18" vertical rise		SNK58-2
30" vertical rise		SNK58-3
 SNK47-2, SNK47-3	INSULATED OFFSET BOX	
M38DV-ST offset box. Used only on the M38DV-ST when a shelf or T.V. stand is required above the fireplace		DVSTCNT
HEAT GUARD		
Fits all Premium Series (5"/8" dia.) terminations		PTKOG
 DVST-CNT (Insulated Offset Box)	HEAT SHIELDS	
Through-the-wall Radiation Shield for 5"/8" venting		RHS101
Vinyl Siding Shield Recommended for protecting vinyl siding		RHS105
Discontinued Replace with VSS		
Vinyl Siding Shield Recommended for protecting vinyl siding		VSS
 PTKOG	VERTICAL INSTALLATION ACCESSORIES	
8" Firestop		PS8
8" Support plate & support ring		PSPXT-8
8" Support plate & support ring (Bulk pack of 6)		PSP806
Flashing and storm collar for 1/12 to 7/12 pitch roof		PRF7
Flashing and storm collar for 1/12 to 7/12 pitch roof (Bulk pack of 6)		PRF706
Flashing and storm collar for 7/12 to 12/12 pitch roof		PRF12
Flashing and storm collar for 7/12 to 12/12 pitch roof (Bulk pack of 6)		PRF1206
 PS-8 (8" Firestop)	Horizontal Vent Restrictors	
For 8' - 14' horizontal vent run		PHVR8
For 15' - 24" horizontal vent run		PHVR15
For 25' - 35' horizontal vent run		PHVR25
Vent restrictors may not be required. Contact the factory for more information.		
 PSPXT-8 (8" Support Plate)	Vertical Vent Restrictors	
For 8' - 14' vertical vent run		PVVR8
For 15' - 24" vertical vent run		PVVR15
For 25' or greater vertical vent ru		PVVR25
Vent restrictors may not be required. Contact the factory for more information.		
 PRF-7, PRF-12		

Venting with 8" x 5" Pipe

This appliance must not be connected to a chimney flue serving a separate solid fuel burning appliance.

*Maximum of four 45° elbows allowed.
Subtract three feet of total horizontal pipe length for each of the 3rd and 4th 45° elbows used.*



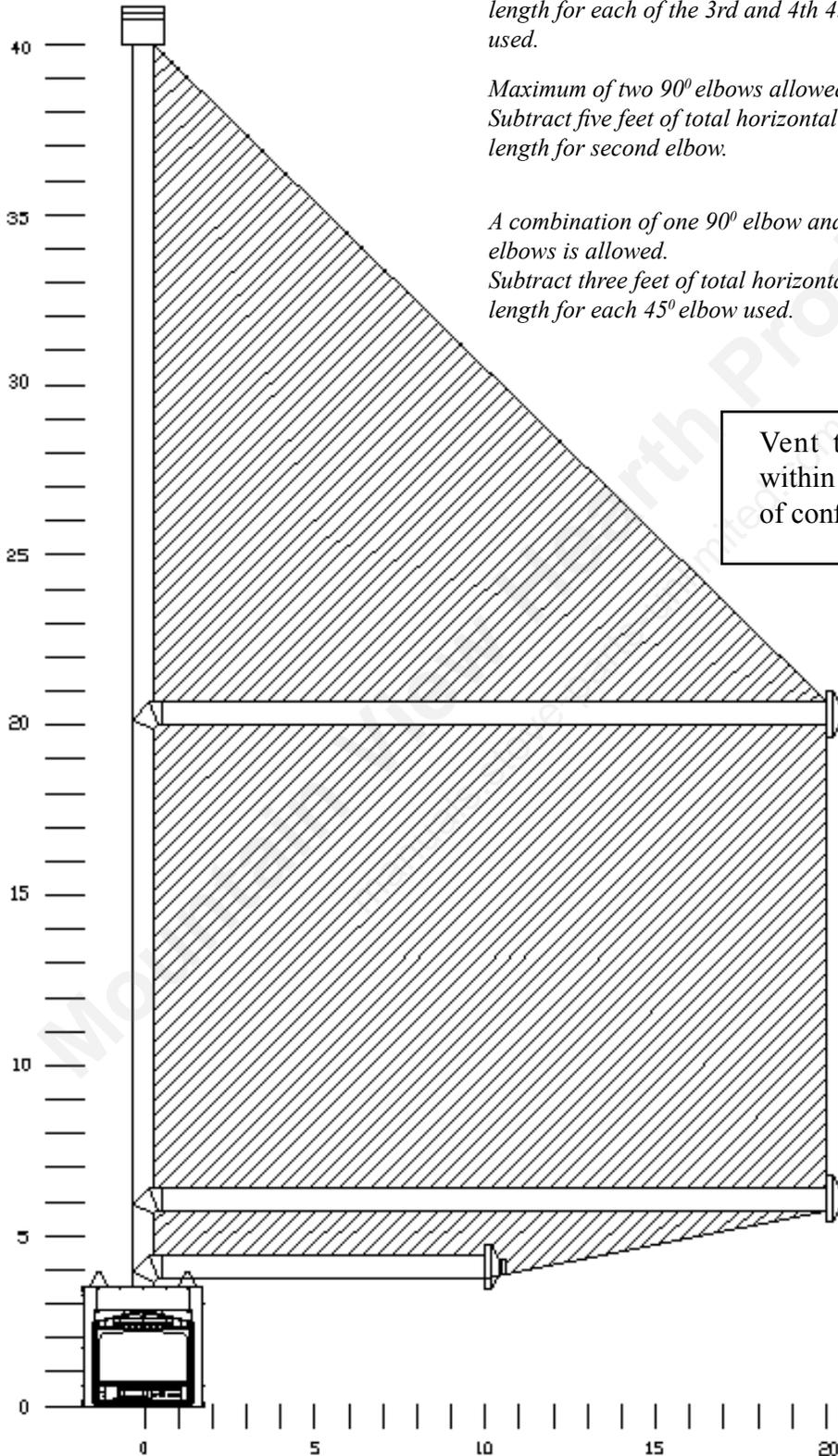
*Maximum of two 90° elbows allowed.
Subtract five feet of total horizontal pipe length for second elbow.*



*A combination of one 90° elbow and two 45° elbows is allowed.
Subtract three feet of total horizontal pipe length for each 45° elbow used.*

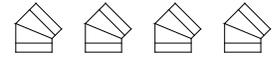


Vent termination must remain within the shaded area regardless of configuration.



Venting with 6 5/8" x 4" Pipe

Maximum of four 45° elbows allowed.
 Subtract three feet of total horizontal pipe length for the 3rd and 4th 45° elbow used.



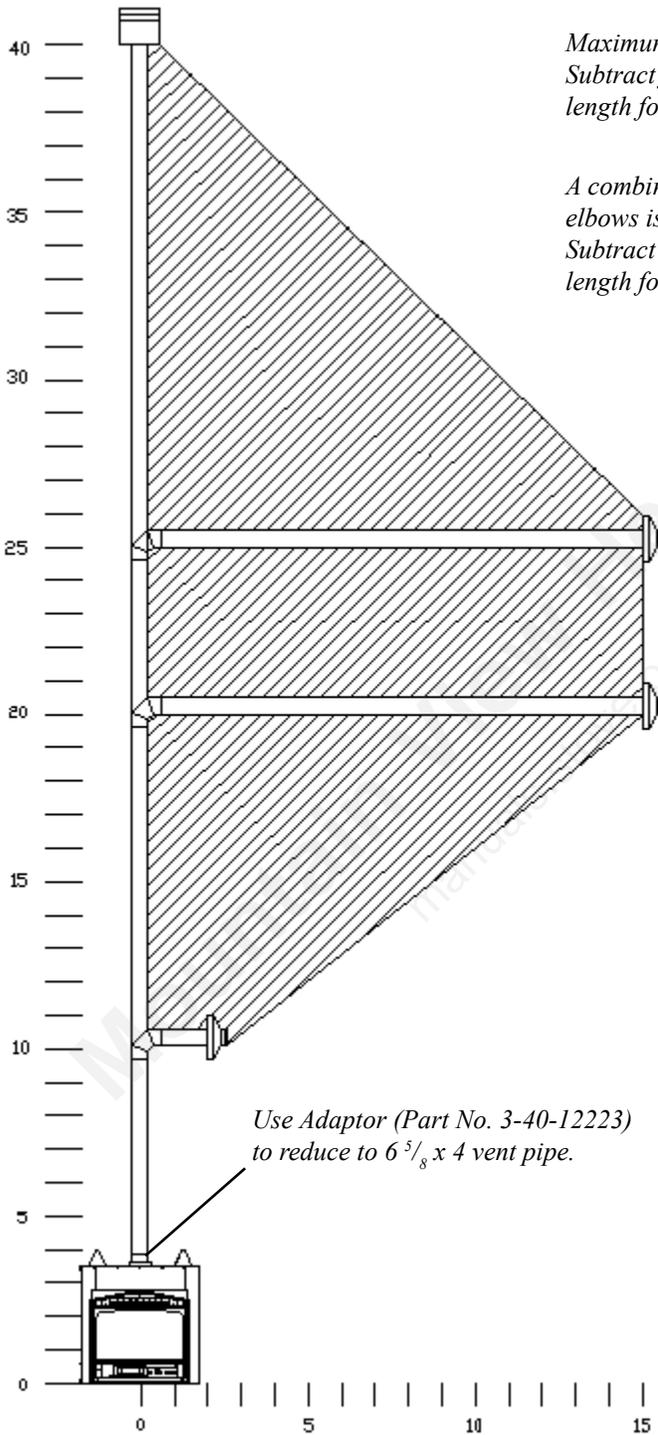
Maximum of two 90° elbows allowed.
 Subtract five feet of total horizontal pipe length for second elbow.



A combination of one 90° elbow and two 45° elbows is allowed.
 Subtract three feet of total horizontal pipe length for each 45° elbow used.



Vent termination must remain within the shaded area regardless of configuration.



For the Serenity Direct Vent Fireplace, the vent/air intake termination clearances above the high side of an angled roof are as follows:

Roof Pitch	Feet	Meters
Flat to 6/12	1	0.3
7/12 to 9/12	2	0.6
10/12 to 12/124	1.2	.366
13/12 to 16/126	1.8	.55
17/12 to 21/128	2.4	.732

Requirements for Terminating the Venting

WARNING: Venting terminals must not be recessed into a wall or siding.

In addition, the following must be observed: (See diagram on next page.)

		Canadian Installations¹	US Installations²
A=	Clearance above grade, veranda, porch, deck, or balcony	12 Inches (30 cm)	12 inches (30 cm)
B=	Clearance to window or door that may be opened	6 Inches (15 cm) for appliance ≤ 10,000 Btuh (3 kW), 12 inches (30 cm) for appliances > 10,000 Btuh (3kW) and ≤ 100,000 Btuh (30 kW), 36 inches (91 cm) for appliances > 100,000 Btuh (30 kW)	6 Inches (15 cm) for appliance ≤ 10,000 Btuh (3 kW), 9 inches (23 cm) for appliances > 10,000 Btuh (3kW) and ≤ 50,000 Btuh (15 kW), 12 inches (30 cm) for appliances > 50,000 Btuh (15 kW)
C=	Clearance to permanently closed window	*	*
D=	Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (61 cm) from the center line of the terminal	*	*
E=	Clearance to unventillated soffit	*	*
F=	Clearance to outside corner	*	*
G=	Clearance to inside corner	*	*
H=	Clearance to each side of center line extended above meter/regulator assembly	3 feet (91 cm) within a height of 15 feet above the meter/ regulator assembly	*
I=	Clearance to service regulator vent outlet	6 feet (1.83 m)	*
J=	Clearance to nonmechanical air supply inlet to building or the combustion air inlet to any other appliance	6 inches (15 cm) for appliances ≤ 10,000 Btuh (3 kW), 12 inches (30 cm) for appliances > 10,000 Btuh (3 kW) and ≤ 100,000 Btuh (30 kW), 36 inches (91 cm) for appliances > 100,000 Btuh (30 kW)	6 Inches (15 cm) for appliance ≤ 10,000 Btuh (3 kW), 9 inches (23 cm) for appliances > 10,000 Btuh (3kW) and ≤ 50,000 Btuh (15 kW), 12 inches (30 cm) for appliances > 50,000 Btuh (15 kW)
K=	Clearance to a mechanical air supply inlet	6 feet (1.83 m)	3 feet (91 cm) above if within 10 feet (3 m) horizontally
L=	Clearance above paved sidewalk or paved driveway located on public property	7 feet (2.13 m) †	*
M=	Clearance under veranda, porch deck, or balcony	12 inches (30 cm) ‡	*

¹ In accordance with the current CSA-B149. 1 *Natural Gas and Propane Installation Code*

² In accordance with the current ANSI Z223.1 / NFPA 54 *National Fuel Gas Code*

† A vent shall not terminate directly above a sidewalk or paved driveway that is located between two single family dwellings and serves both dwellings.

‡ Permitted only if veranda, porch, deck, or balcony is fully open on a minimum of two sides beneath the floor.

* For clearances not specified in ANSI Z223. 1 / NFPA 54 or CSA-B149.1, one of the following shall be indicated:

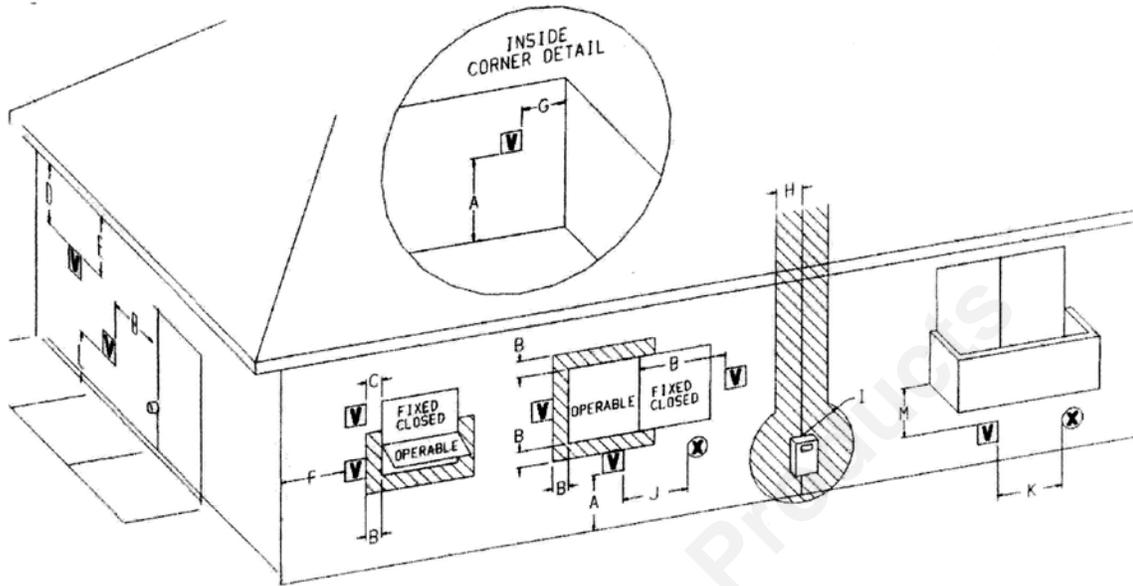
a) A minimum clearance value determined by testing in accordance with section 2.19.6, or;

b) A reference to the following footnote:

“Clearance in accordance with local installation codes and the requirements of the gas supplier”

«Dégagement conforme aux codes d'installation locaux et aux exigences du fournisseur de gaz»

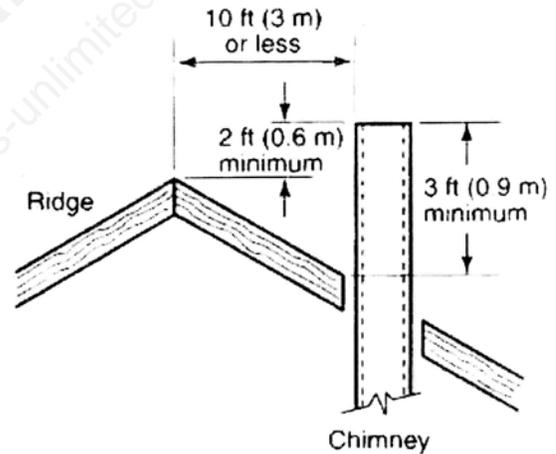
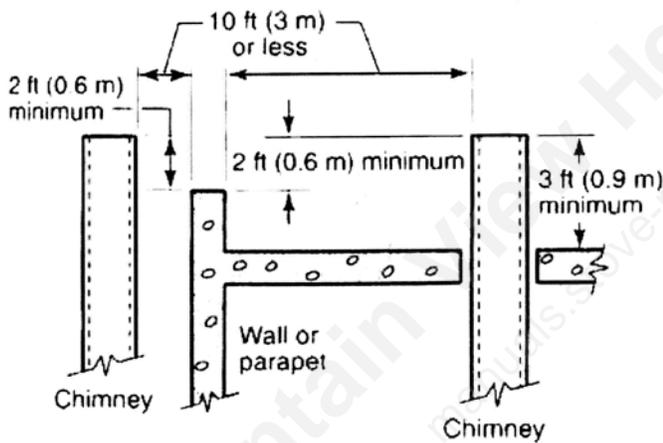
VENTING



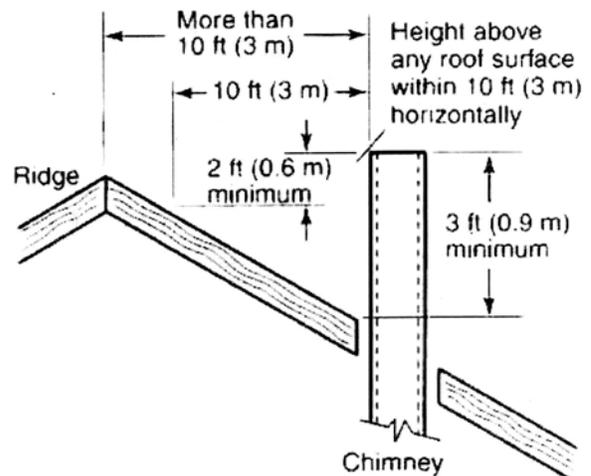
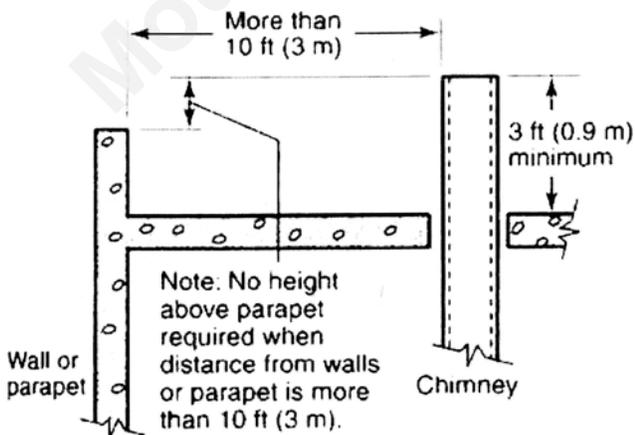
V VENT TERMINAL

X AIR SUPPLY INLET

▨ AREA WHERE TERMINAL IS NOT PERMITTED

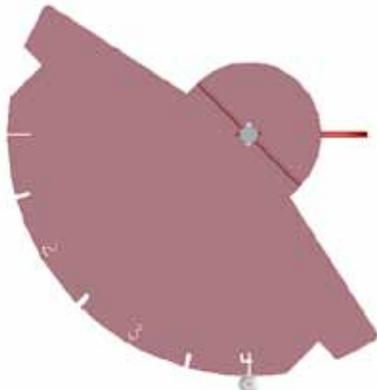


(a) Termination 10 ft (3 m) or less from ridge, wall, or parapet

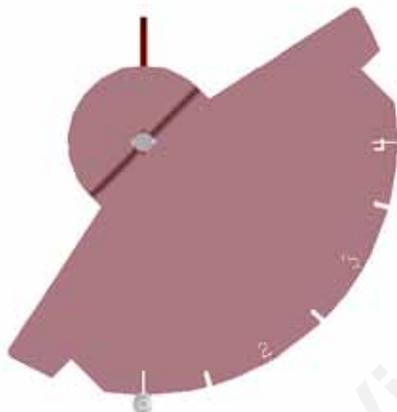


(b) Termination more than 10 ft (3 m) from ridge, wall, or parapet

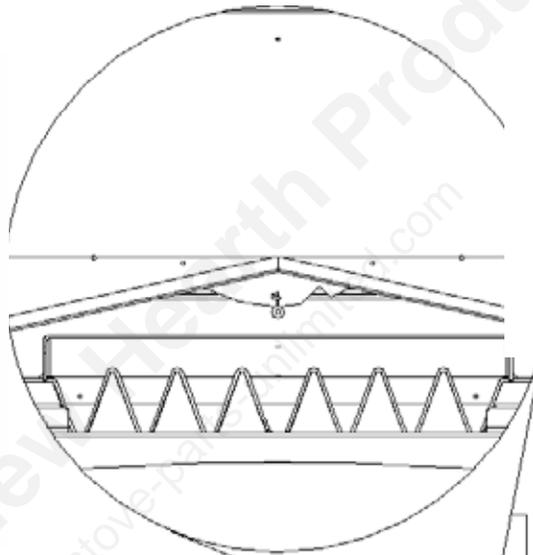
Damper Settings



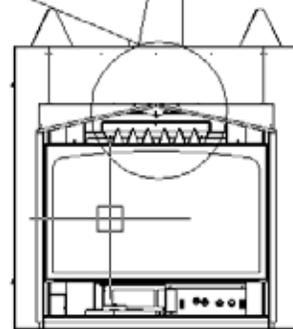
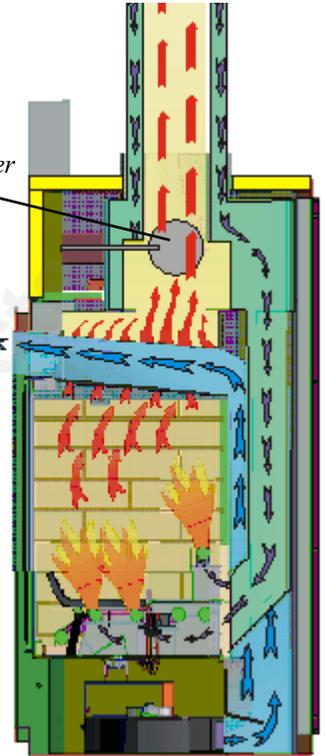
Maximum Draft



Minimum Draft



Vent damper in the number "4" position



A vent damper is provided to allow fine tuning of the draft. Too little draft will cause flames to be too long with black tips and too much draft will cause flames to be short and blue.

To adjust the damper, burn the unit on high with both burners for 10 minutes or more. Adjust the vent damper to a position in the ranges listed below that produces the most desirable flame pattern. Note: 1 is less draft and 4 is maximum draft.

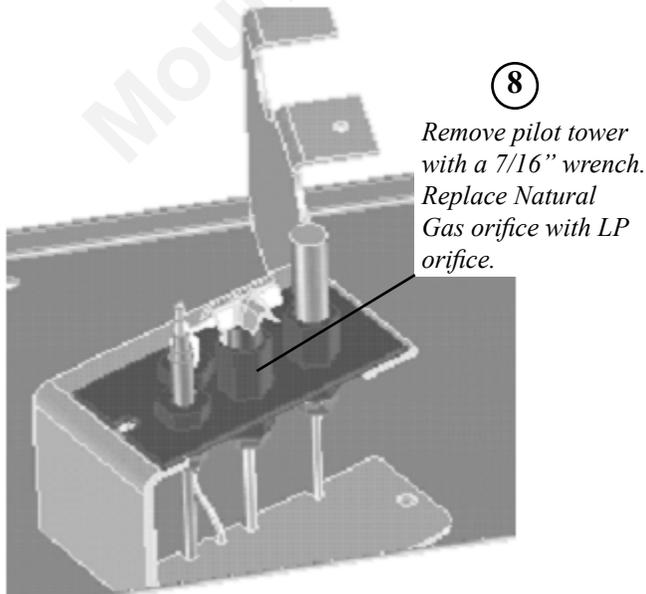
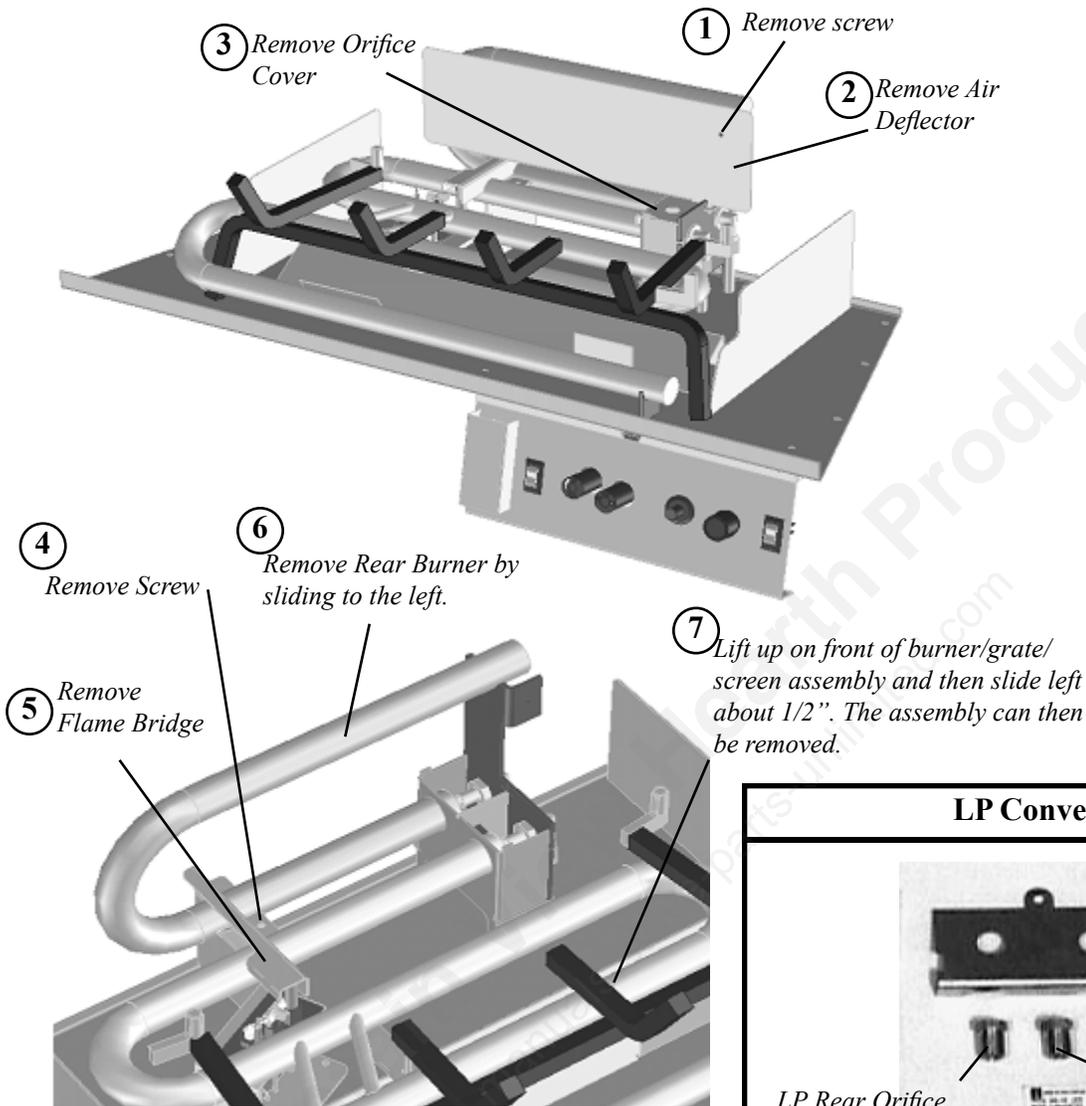
Range Of Approved Damper Settings For 8" X 5" Vent

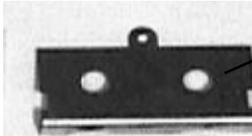
	Natural Gas	Propane
6 feet	2 1/2	1 to 4
12 feet	2 1/2 to 4	1 to 4
24 feet	1 to 2	1 to 4
36 feet	1	2 to 4

Range Of Approved Damper Settings For 6 5/8" X 4" Vent

	Natural Gas	Propane
12 feet	1 to 4	1 to 4
24 feet	1 to 4	1 to 4
36 feet	1 to 4	1 to 4

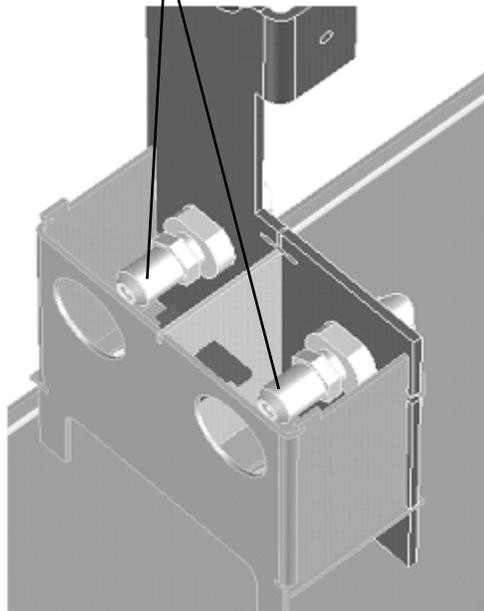
Changing to LP



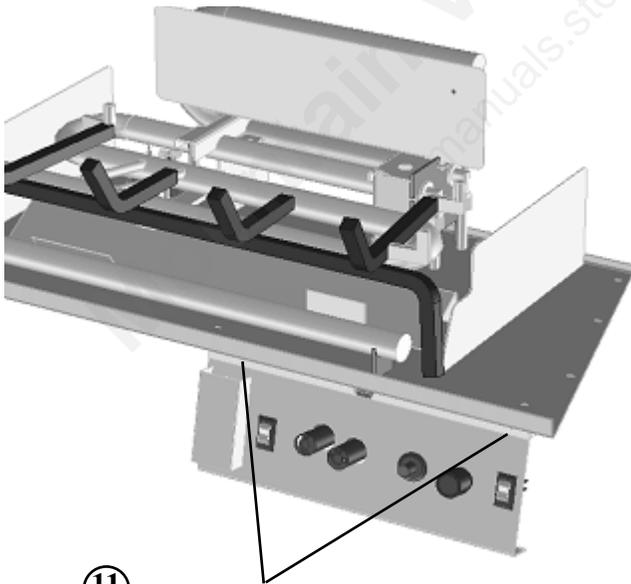
LP Conversion Kit	
	LP Orifice Box Cover
	LP Pilot Orifice
	LP Rear Orifice. #59 Top Flue.
	LP Front Orifice #52
	LP Conversion label
	LP Valve Conversion Module
	LP Conversion Instructions

Top Vent LP Kit Part No. 1-00-08770

Remove Orifices with a 1/2" wrench or deep well socket. The larger orifice always goes to the front.



10 Replace Orifices with the proper size shown in the Orifice Chart.



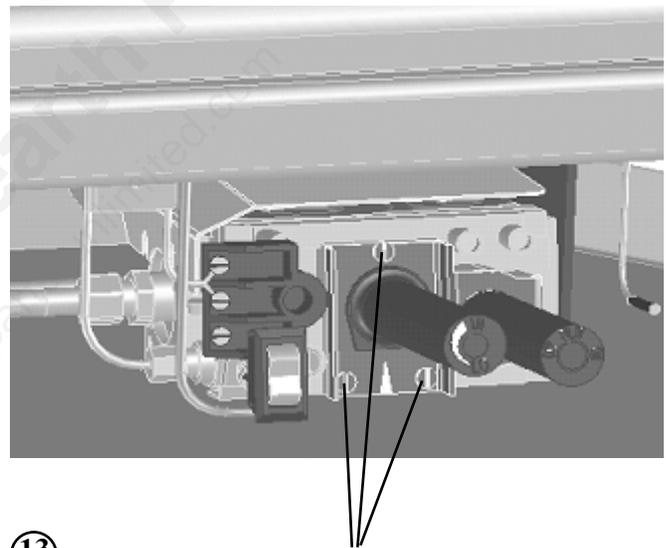
11 Remove two screws and place Control Panel to the left.

Orifice Chart

Natural		Propane	
Front	Rear	Front	Rear
31	51	52	59

Note: The higher the orifice number the smaller hole in the tip. For example, a number 52 orifice has a larger hole than a number 60 orifice.

12 Read instructions packed with LP Change-over Kit.



13 Remove three screws to change knob assembly. Install LP knob assembly in place of the NG assembly. Be sure screws are tight.

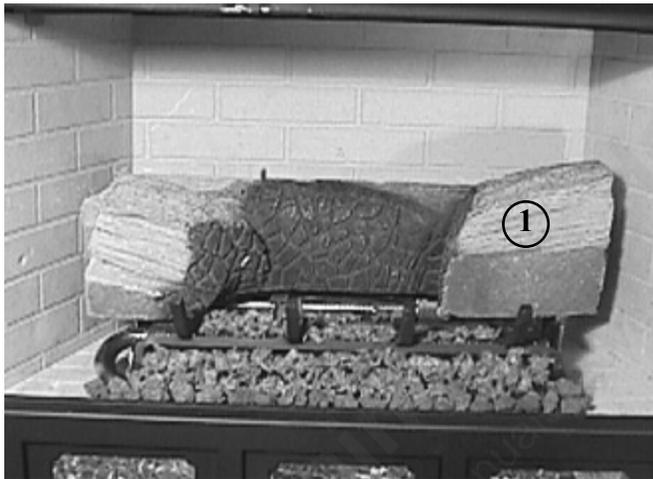
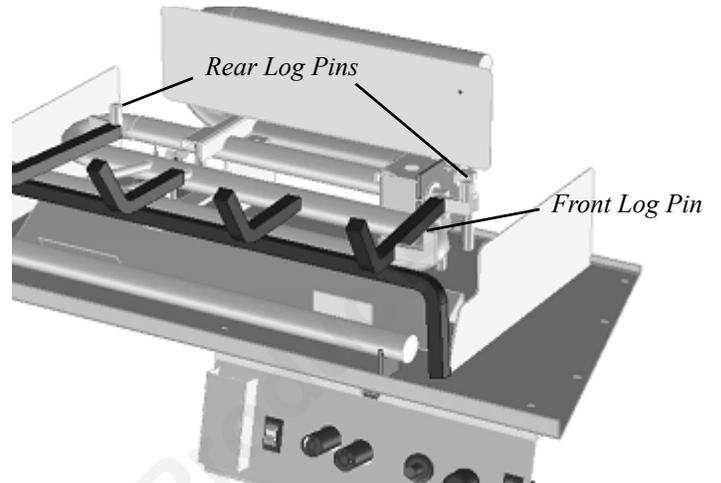
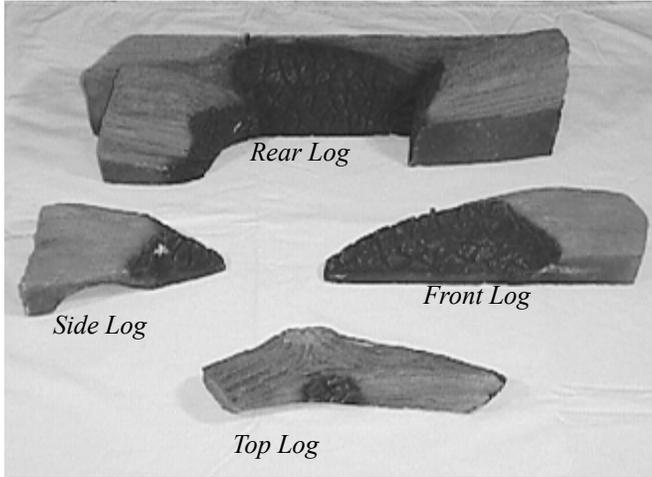
14 Place conversion sticker (provided in Kit) on bottom of valve. This is to permanently mark the valve that it has been converted to LP. This label is important in the event that the valve is ever removed and mixed in with other valves.

NATURAL GAS

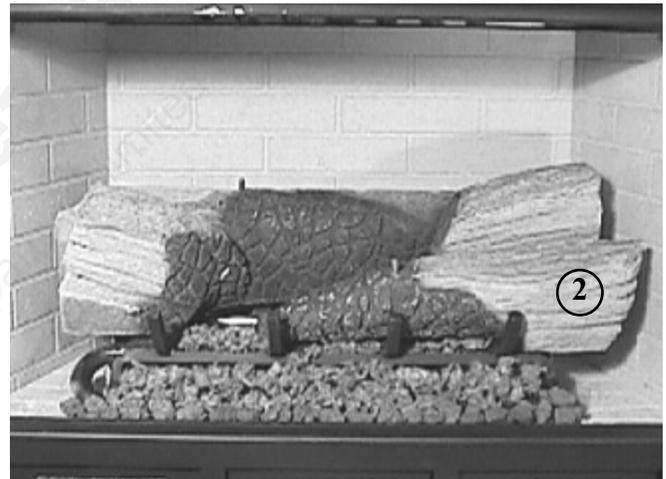
PROPANE

15 Mark the proper box on the control panel with a permanent marker. Note: **If no conversion is made, the box for the proper fuel must still be marked.**

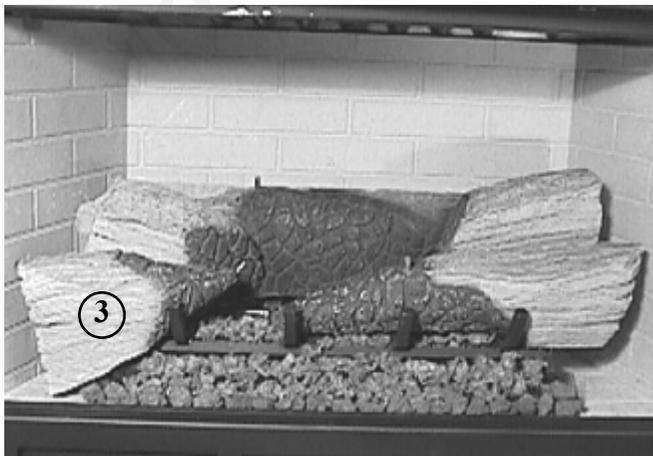
Log Placement



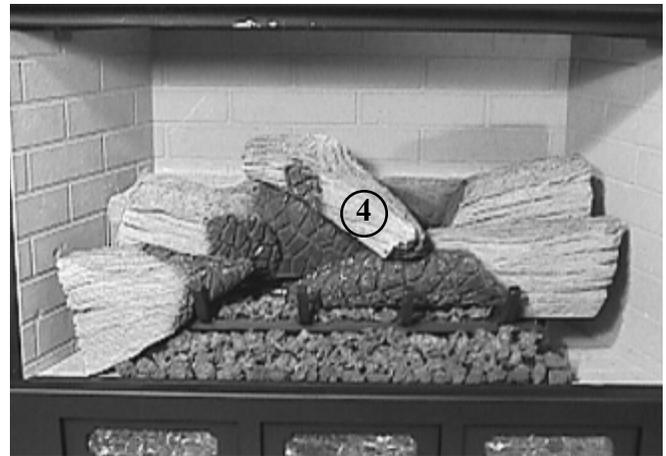
Locate two holes in bottom of rear log. Place the rear log down over the two pins to locate the log.



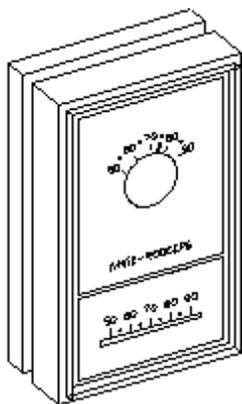
Place the front log down over the pin shown above. The front of the log should be parallel with the grate bar.



Place the side log as shown with the notch in the log behind the angled grate bar.



Find the two holes in the bottom of the top log. Place the log down over the pins on top of the front and rear logs.



Thermostat

Connecting an Optional Thermostat

If an optional thermostat is used, it must be plugged into the terminal strip located in the lower left front corner of the heater.

When installing a millivolt control system, use only a special low resistance thermostat. **DO NOT USE A REGULAR HEATING THERMOSTAT.**

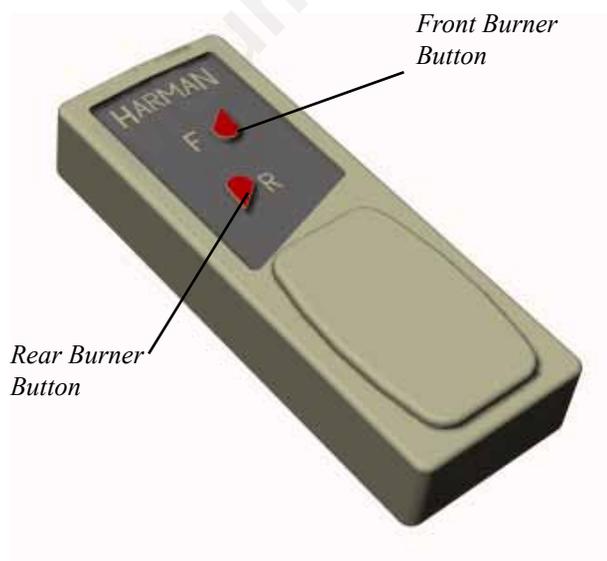
Be sure that all electrical connections are clean, free from corrosion, and tight. Inspect connections periodically to confirm that no corrosion has built up over time.

When properly installed and maintained, a millivolt control system should give many years of trouble-free service.

It is important to use wire of a gauge proper for the length of the wire:

RECOMMENDED WIRE GAUGES

<i>Maximum Length</i>	<i>Wire Gauge</i>
100'	14
60'	16
40'	18
25'	20
15'	22



Remote Control

The front button on the remote control can be used to turn the front burner on and off. The rear button is used to turn the rear burner on and off.

This remote uses the ultrasonic control method and does not need to be pointed directly at the fireplace.

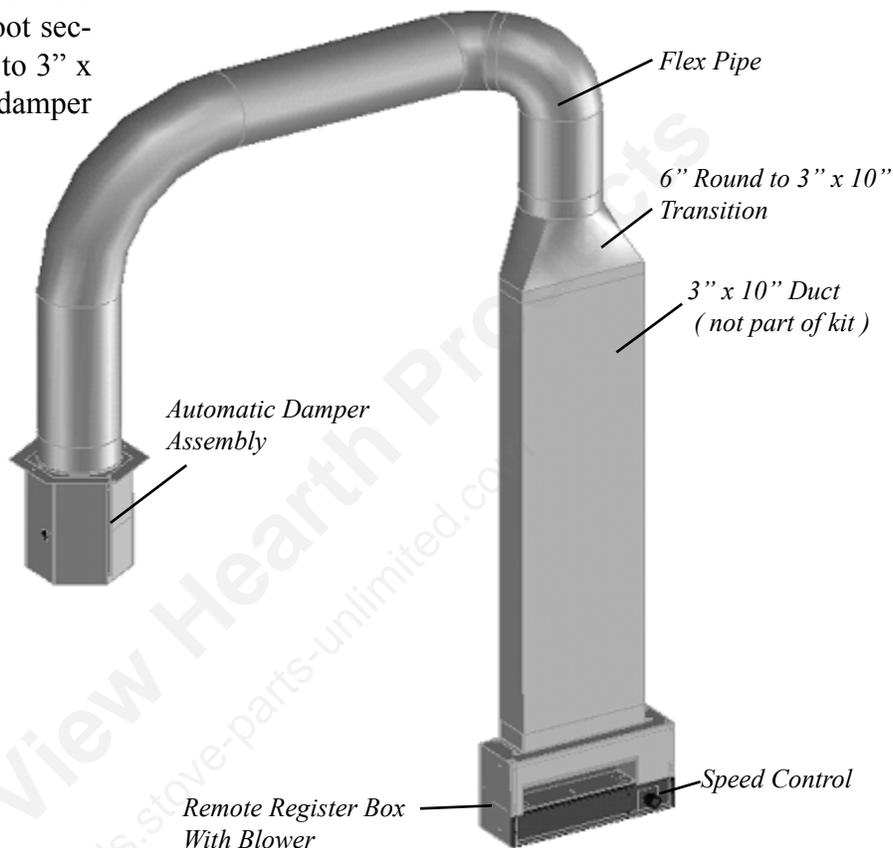
A hand held sending unit, receiving unit, mounting bracket and all wiring are included when you order the remote control.

Installation instructions are packed with remote kit.

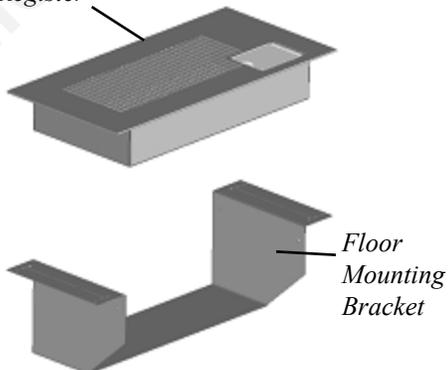
Optional Remote Register Kit

Register Kit

Includes remote register box with blower, speed control, two 8 foot sections of 6" flex pipe, 6" round to 3" x 10" transition, and automatic damper assembly.



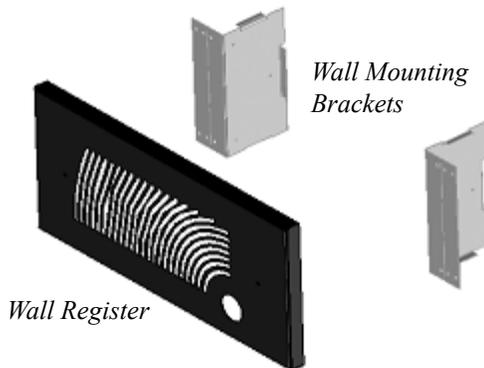
Floor Register



Floor Kit

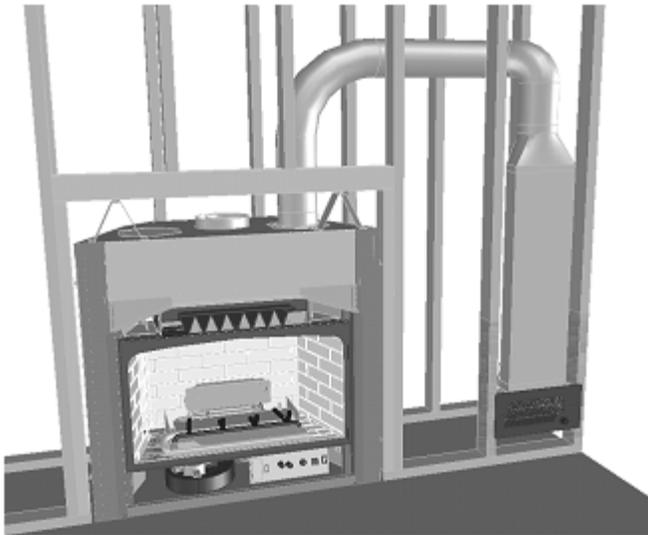
Includes floor register and floor mounting bracket for blower box.

Wall Mounting Brackets



Wall Kit

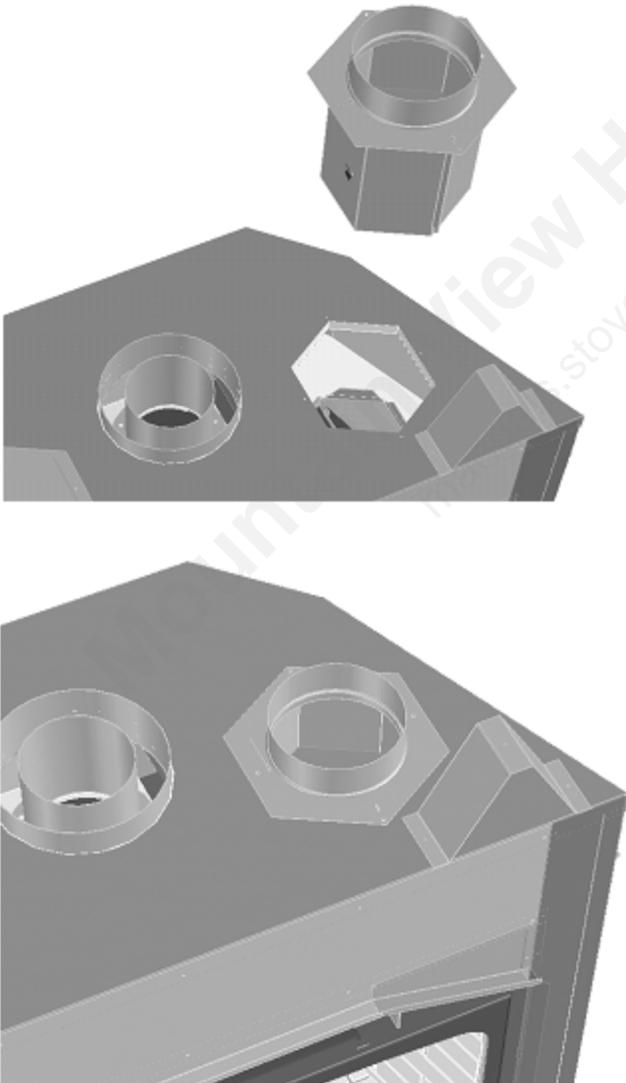
Includes wall register and wall mounting brackets for the blower box.

Optional Wall Register Kit

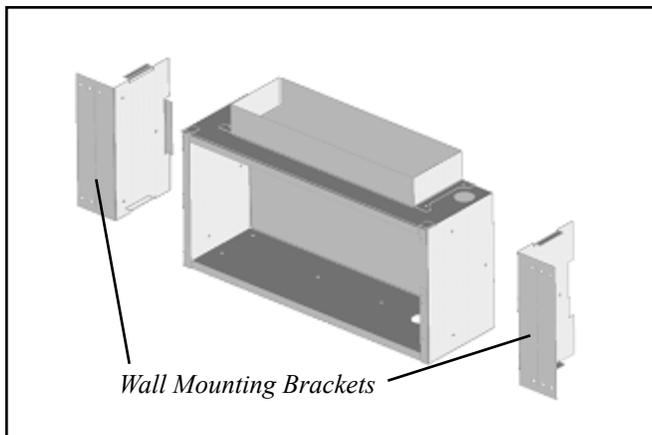
The Serenity is designed for use with one or two register kits. Each kit can have twenty feet of duct between the fireplace and the register box. The registers can be mounted one floor above or below the fireplace. The register kits are designed to be installed in the house before wall coverings such as drywall are installed. 3"x10" duct is to be used inside walls that are too narrow for the six inch flex duct. **Never use a wall cavity as a duct.** Doing so can dry out the wood and lower the kindling temperature as well as cause warping.

Installing Damper Assembly

1. Remove the top cover on the side that you are installing the damper assembly.
2. Cut the yellow insulation around the edge of the opening. Discard the cutout.
3. Remove bottom cover by removing the screw in the angle at the bottom of the hole. After the screw is removed, remove the white insulation and the angle. Lift the bottom cover up through the hole. Note: The cover must be turned the proper direction.
4. Locate the six tabs at the bottom of the damper hole. These tabs are to go on the inside of the damper barrel for the purpose of location.
5. Position the damper assembly over the hole with the part of the damper that lifts up facing the rear. Lower the damper assembly into the hole in the top. Be sure that the six tabs are inside the damper assembly. This can be checked by opening the damper and looking down inside to verify that all six tabs are on the inside.
6. Secure the assembly with the four screws that came out of the cover.

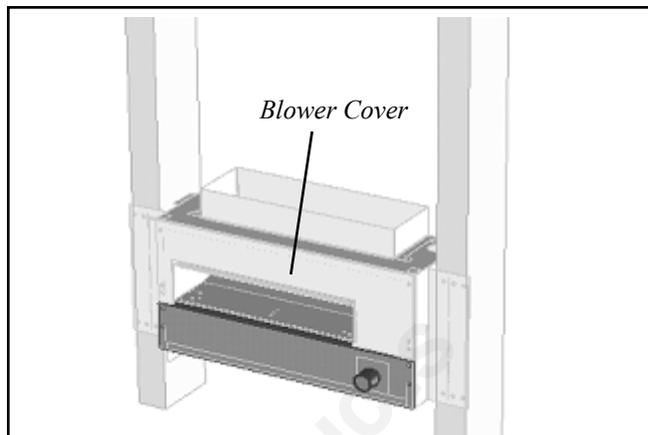


INSTALLATION (Options)



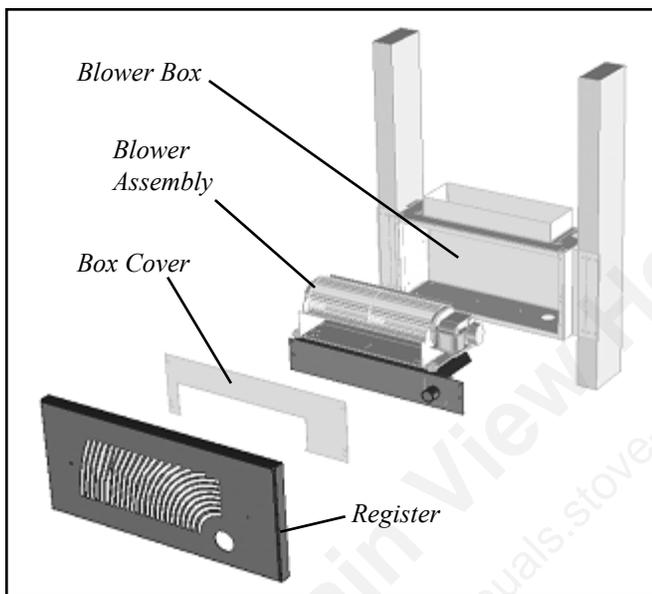
Wall Mounting Brackets

Install wall mounting brackets to side of blower box with three screws.



Blower Cover

Mount blower cover as shown .



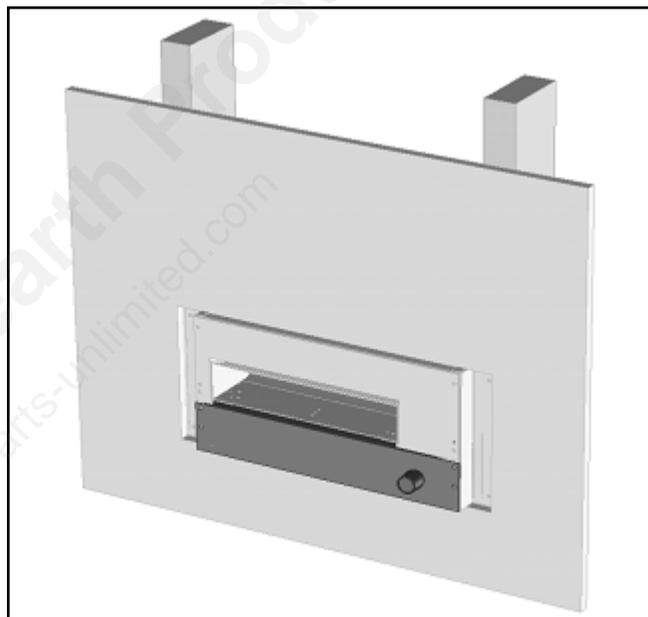
Blower Box

Blower Assembly

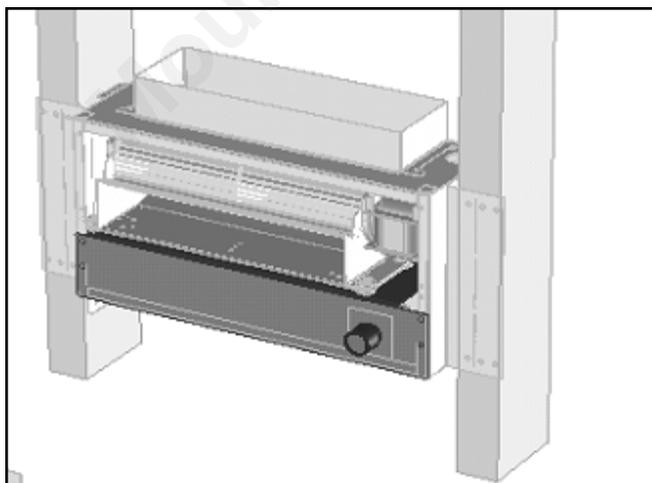
Box Cover

Register

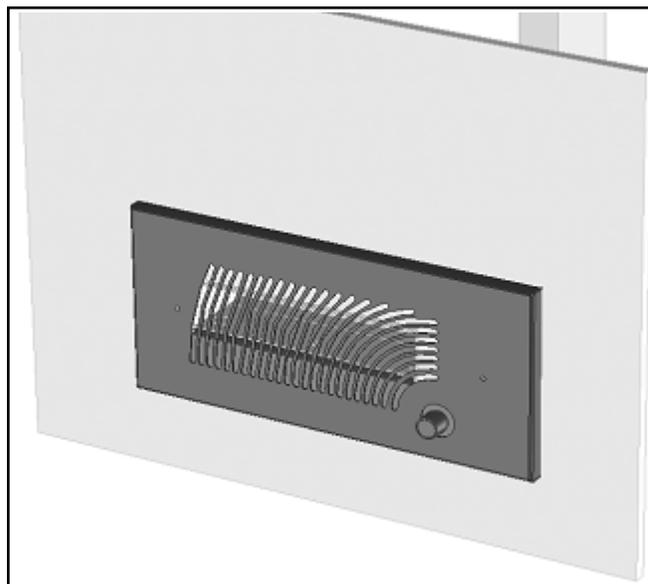
Install blower box between wall studs as shown. Run 3" x 10" duct to blower box and secure. Do not use the wall cavity as a duct.



Install and finish drywall as desired.



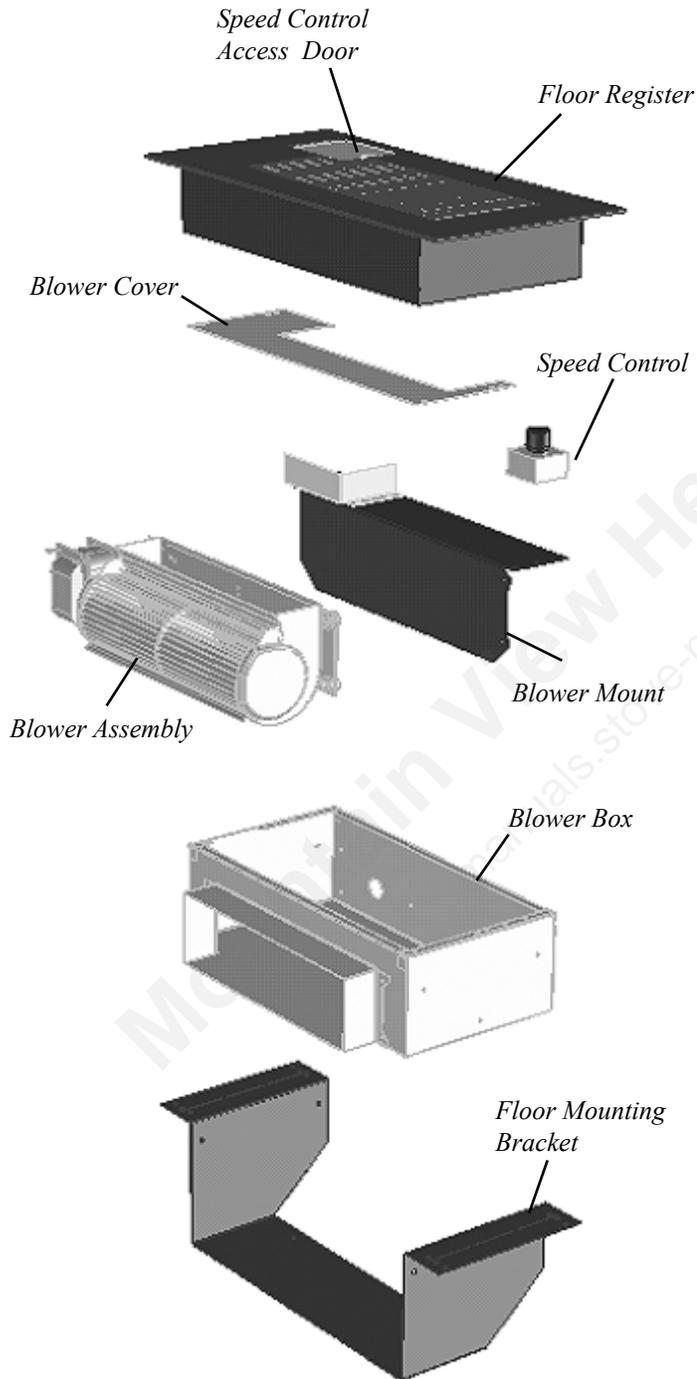
Run wires to blower as shown in wiring diagram on page 42. Mount blower assembly in box as shown. Test blower. Note: Blower will not run until fireplace is hot.

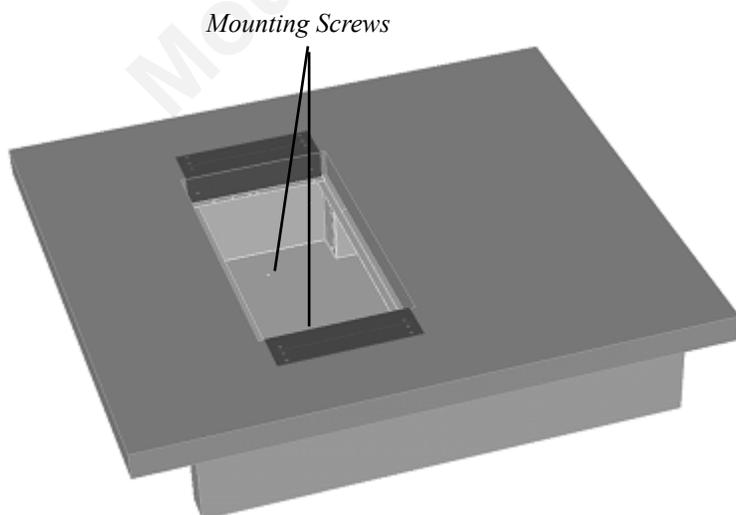
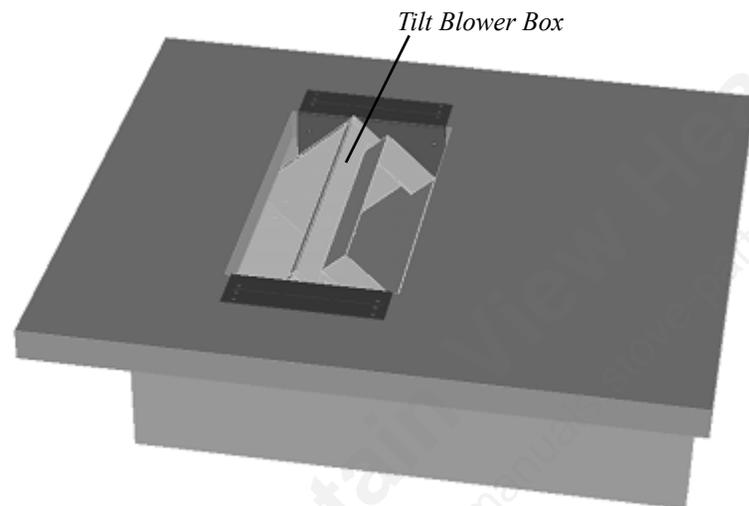
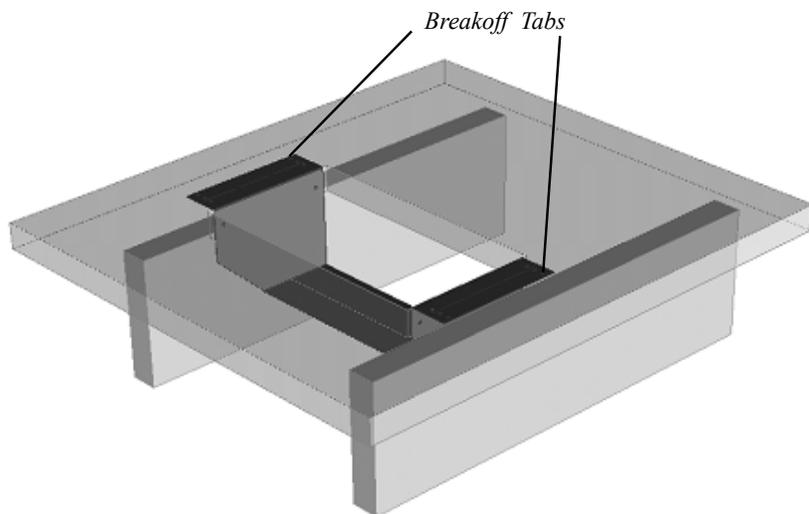


Mount register after drywall and painting are finished.

Floor Register Installation

The difference between the wall register and floor register is the register itself and the mounting brackets. The wall register mounts on the wall with two screws. The floor register mounts in the floor and is held in place by gravity. The floor register has a small door to access the blower speed control.

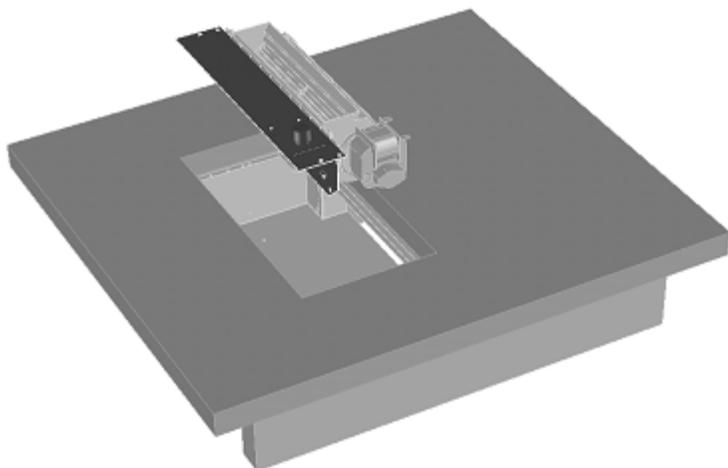


**Installing the Floor Register**

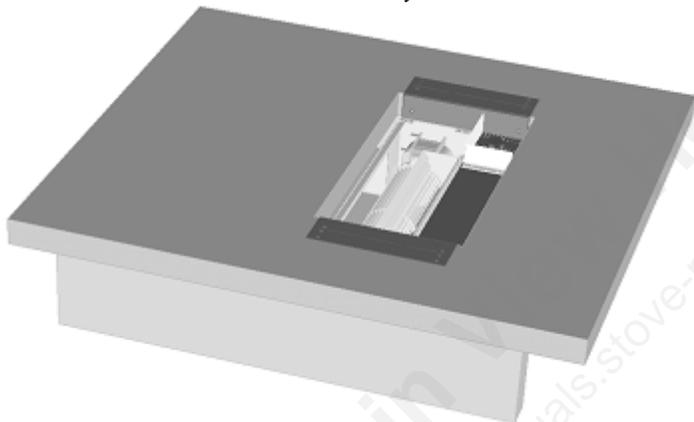
The blower box mounting bracket is designed to allow mounting into an existing floor. However, it is easier to install all components at the time of house construction. The mounting bracket assumes that floor joists are on 16" centers. The mounting bracket has break-off tabs that are to be left on only if the floor joists are too far apart to be reached without them. To break off the tabs simply bend them back and forth until they break. The following instructions are for installing in an existing floor.

1. Cut a $7\frac{1}{2}$ x $13\frac{7}{8}$ hole in the floor at the proper location. The hole must be perpendicular to the floor joists.
2. Place the mounting bracket in the hole as shown. The tapered end of the bracket must be opposite to the side where the air will enter the blower box.
3. Place the blower box with blower assembly removed, down into the bracket, angling it as shown. Slide the blower box down into the bracket as far as needed to tilt it level. Then slide the box in position and attach the duct work (not shown). Install the box mounting screws.
4. Insert the electrical wires for the blower into the box through one of the two holes provided.
5. Using wire nuts, connect the wires to the motor and speed control as shown on the wiring diagram.
6. Place the blower assembly into the blower box. You may need to tilt the assembly to get it through the opening in the blower box. Make sure the wires do not get pinched.
7. Install finished flooring, carpet, tile, etc.

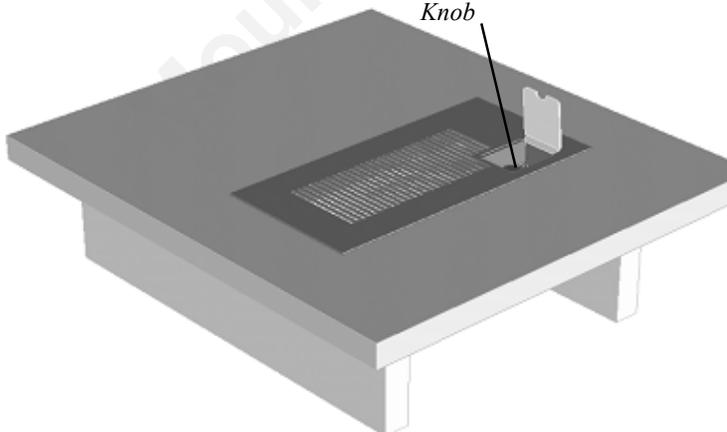
Blower Assembly Ready to Install.



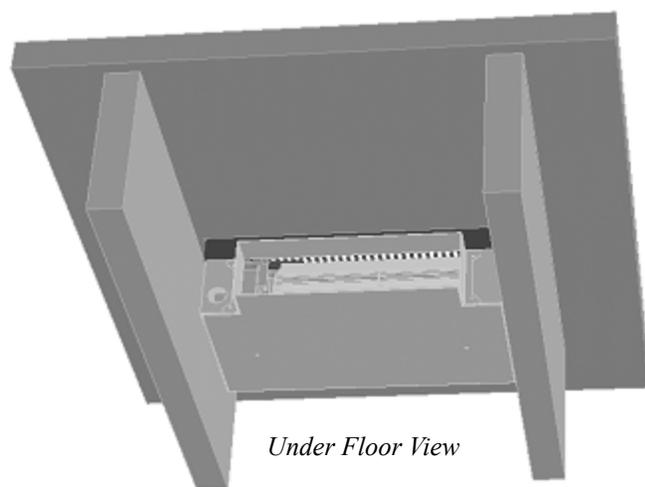
Blower Assembly Installed.



Speed Control Knob



Under Floor View



8. Install register by sliding it down into the opening. Make sure the speed control door is over the speed control. The register is designed to allow for a variation in floor thickness.

9. Turn on electrical power and test.

Operation:

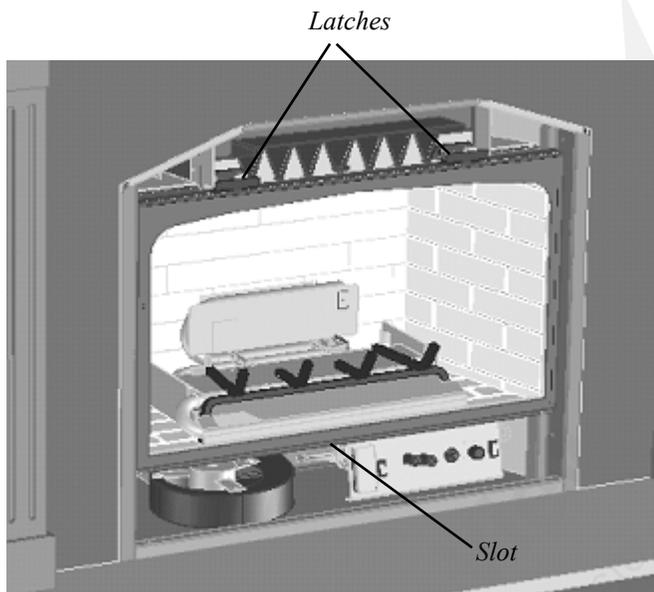
Note: A temperature switch on the fireplace will not allow the register blower to start if the fireplace is not warm enough to blow hot air. This same switch will turn the blower off, if the fireplace is turned off and cools.

1. Open the speed control door and turn the blower on to the desired speed. Turning the blower on, opens the damper in the top of the fireplace and allows hot air to flow.
2. Close the speed control door.

MAINTENANCE

A qualified service person recommended by your Harman dealer should conduct an annual inspection and maintenance of your fireplace, its venting, and the installation to keep it running safely and efficiently. The following procedures should be performed only by a qualified service person. The gas supply should be turned off whenever a maintenance procedure is performed.

If the glass front, side doors, or front access door are removed for servicing, they must be replaced prior to operating the fireplace.



WARNING: DO NOT OPERATE THIS APPLIANCE WITH THE GLASS FRONT REMOVED, CRACKED OR BROKEN. REPLACEMENT OF GLASS SHOULD BE DONE BY A LICENSED OR QUALIFIED SERVICE PERSON. NEVER USE SUBSTITUTE MATERIALS.

DO NOT STRIKE OR SLAM GLASS

Removing the Glass Front

Remove the decorative face as described on page 15. Lift the latches shown above and tilt the glass out at the top and lift it out of the groove at the bottom. Handle the glass with care.

Replacing the Gasket

The Serenity uses part no. 3-44-00539 fiberglass gasket in the front door. Should it ever need replacement, use only the proper replacement gasket that is available from your Harman dealer. To replace the gasket, follow this procedure.

1. Lay glass front face down.
2. Bend four tabs up far enough to remove the glass.
3. Remove old gasket.
4. Install new gasket around glass.
5. Place glass back in frame.
6. Bend tabs to secure glass. Not too tight.
7. Reinstall glass door by placing the flange on the bottom of the door into the groove on the bottom of the fireplace opening. Next lift the latches and push the door against the unit. Pull the spring loaded latches front until the tabs drop into the slots on the door frame.

Cleaning the Glass

The glass may be cleaned with ordinary household glass cleaner and a soft cloth or paper towel.

WARNING: Never clean the glass when it is hot. Do not use abrasive cleaners on the glass.

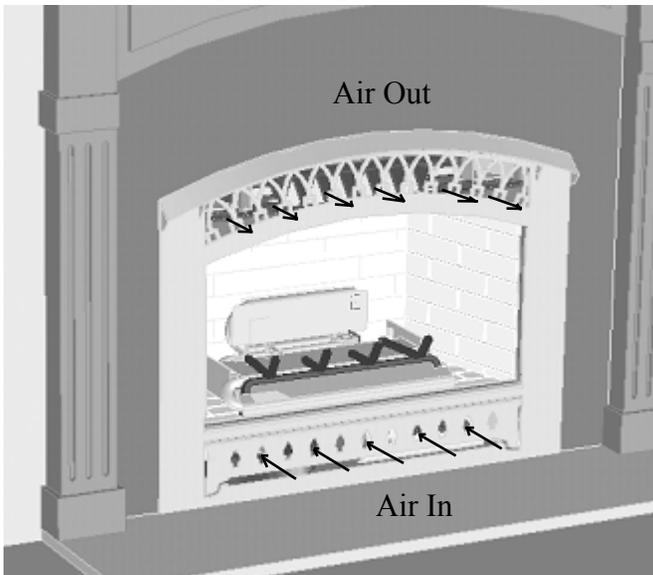
Inspecting the Venting

An inspection of both the inner and outer pipes of the venting system should be made during the annual service appointment. They must have no blockage and be in good repair. The vent manufacturer's instructions may provide specific suggestions or details on vent inspection. Any sections that are taken apart for the inspection must be reassembled and sealed as required.

Cleaning the Log Set and Firebox

During the annual inspection and maintenance appointment, the service person should clean dust, lint, and any light accumulation from the logs and the firebox area. An extra-soft brush should be used on the logs as they are extremely fragile; a vacuum cleaner may be used on the firebox. If at any time the logs cannot be removed or installed without forcing, the cause must be found. The logs must never be forced.

MAINTENANCE



The flow of combustion and ventilation air must not be obstructed

Air Flow

It is essential that air flows freely into the bottom grill and out of the top grill. Do not place objects in front of the grills.

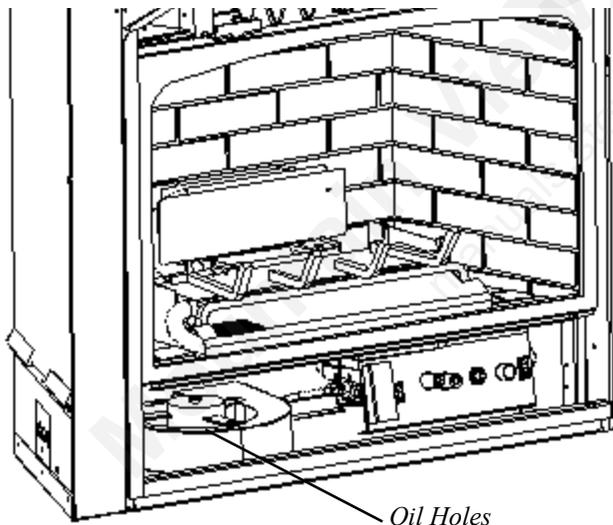
Check blower annually for buildup caused by dust and pet hair.

Cleaning the Burners

To clean the burners, the face, glass front, and logs must be removed. Remove the front burner assembly and rear burner as described on page 29. Remove the front burner from the assembly by loosening the clamping plate on the bottom.

With both burners removed, inspect all of the holes to make sure they are unobstructed. Use a small drill or wire to clean any obstructed holes. Remove any rust or other buildup that may have accumulated.

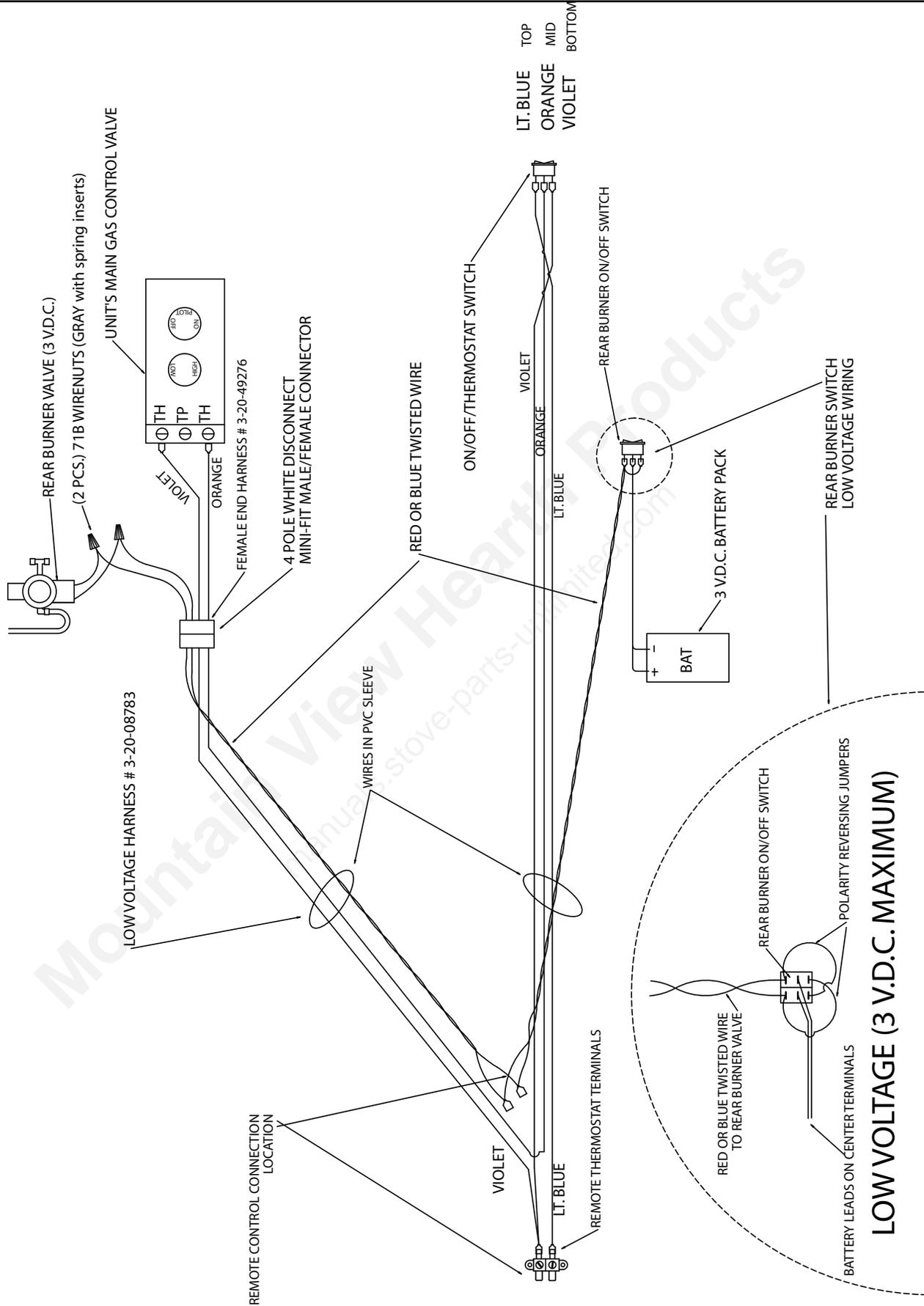
Replace burners in reverse order.



Lubrication

The Serenity Fireplace does not require lubrication other than the blower. One or two drops of light oil may be put in the two oil holes on the blower motor. This is not critical and should only be done every year or two. Too much oil is worse than no oil.

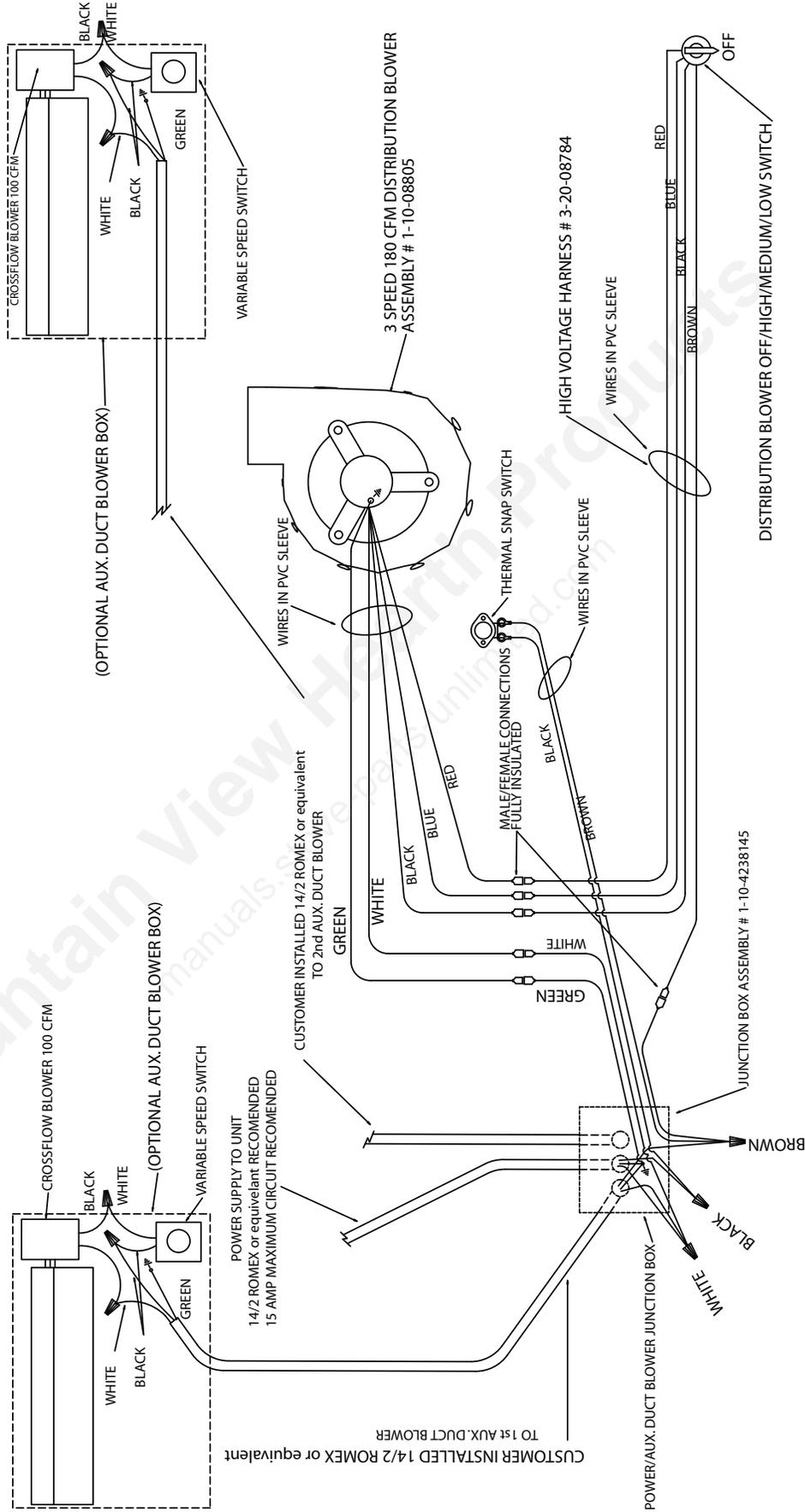
MAINTENANCE



MAINTENANCE

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

«ATTENTION. Au moment de l'entretien des commandes, étiquetez tous les fils avant de les débrancher. Des erreurs de câblage peuvent entraîner un fonctionnement inadéquat et dangereux. S'assurer que l'appareil fonctionne adéquatement une fois l'entretien terminé.»



HIGH VOLTAGE (120 V.A.C.)
 UNIT ONLY (MAXIMUM) - 230 WATTS - 1.95 AMPS
 AUXILIARY DUCT BLOWER - 50 WATTS - .4 AMPS EACH



Listed Direct Vent Gas Fireplace Heater
Radiateur Ventile

Model: Serenity III HB 38DV

WHI #

TOP VENT

Homologue Pour Le Canada

Do not remove or cover this label.

Not for use with solid fuel. Not for use with air filters

Ne doit pas être utilisé avec un combustible solide.

Also for use in mobile (manufactured) homes after home is

sited.

Tested to ANSI Z21.88-2002, CSA2.33-M02. CAN-CGA-2.17-

M91

For use with natural gas and propane. A conversion kit, as supplied

by the manufacturer, shall be used to convert this room heater to

the alternate fuel.

Pour utilisation, avec le gaz naturel et le propane. Une trousse de

conversion fournie par le fabricant doit être utilisée pour passer

d'un combustible à l'autre.

RATINGS

	NATURAL	PROPANE
Input Rating (Btu/hr)(0-4500 ft.)(0-1375 m)	43500	43500
Min. Input Rating (Btu/hr)(0-4500 ft.)(0-1375 m)	23300	23800
Orifices (DMS)(front/rear)(0-4500 ft.)(0-1375 m)	31/51	52/59
Manifold Pressure (in w.c./kPa)	3.5/0.87	10.0/2.49
Min. Manifold Pressure (in w.c./kPa)	1.7/0.42	6.3/1.6
Min. Inlet Pressure (in w.c./kPa)	5.0/1.25	11.0/2.74
Max. Output (Btu/hr)(0-4500 ft.)(0-1375 m) (Blower Off)	31500	32000
Max. Efficiency (Blower On)		84.5%

MINIMUM CLEARANCES FROM COMBUSTIBLE CONSTRUCTION

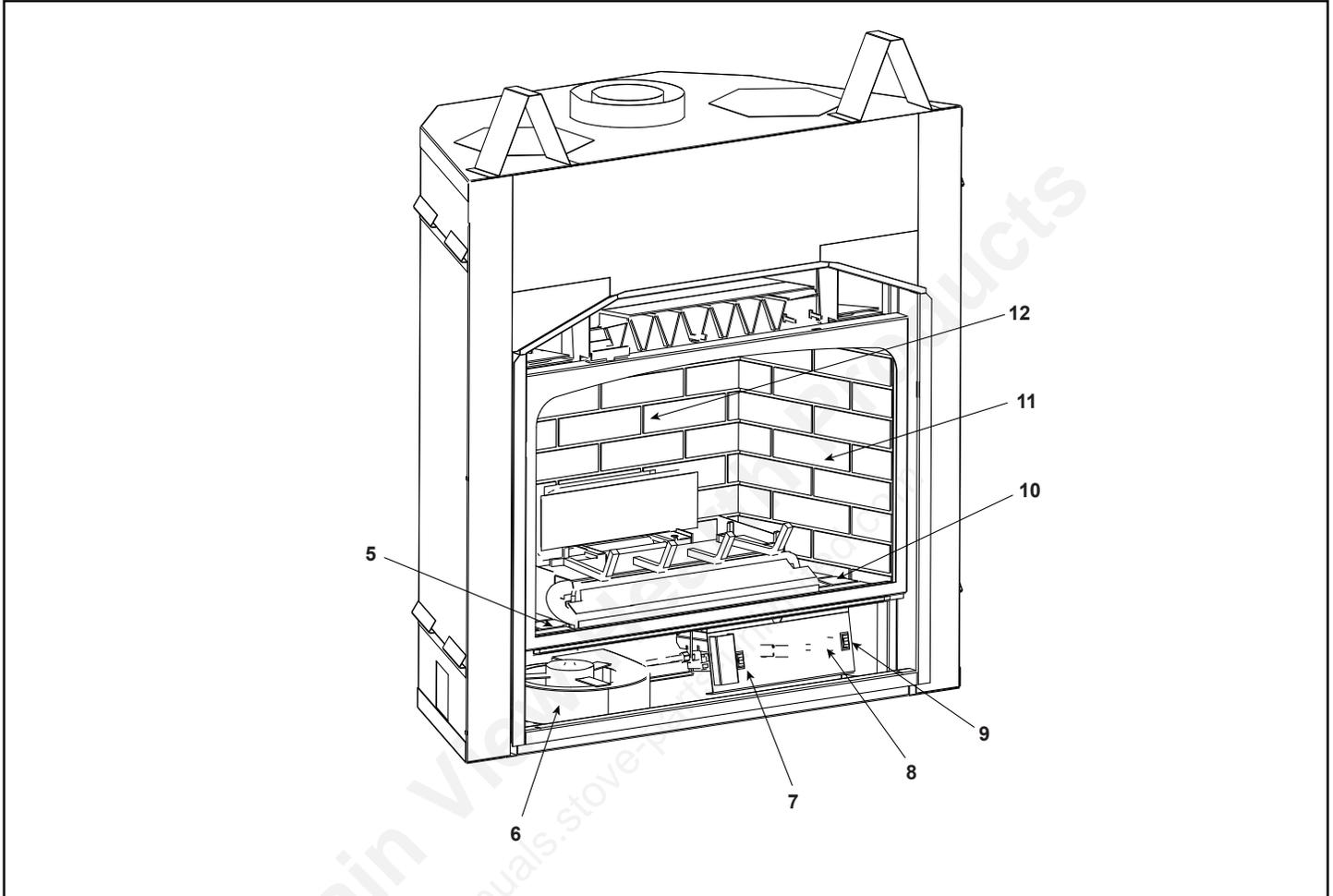
Unit to floor	0 in.
Face to side wall	7 in.
Unit to top stand-offs	0 in.
Unit to side stand-offs	0 in.
Unit to rear stand-offs	0 in.
Top of Glass to 7" Mantel	26in.
Electrical Rating: 120 Volts, 60 Hs. >2.75 AMP	

One or two optional register kits (Part No. 1-00-08802) may be used with this appliance.

A LABEL ON THE BURNER SYSTEM MODULE STATES THE FUEL FOR WHICH THE HEATER IS EQUIPPED.

Manufactured by Harman Home Heating
352 Mountain House Road, Halifax, PA 17032

1-70-08770 (Top Vent), 1-70-08771 (Rear Vent)



IMPORTANT: THIS IS DATED INFORMATION. When requesting service or replacement parts for your appliance please provide model number and serial number. All parts listed in this manual may be ordered from an authorized dealer.



Stocked at Depot

ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
1	Log, Back		3-40-08707	
2	Log, Right Front		3-40-08705	
3	Log, Left Front		3-40-08706	
4	Twig		3-40-08708	
5	Floor Brick, Left		3-40-08709	
6	Blower Assembly		1-10-47120	Y
7	Switch, Momentary (Rear Burner)		3-20-08765	
8	Variable Speed Control w/off		3-20-02223	
9	Rocker Wwitch, 3 Position		3-20-08221A	Y
10	Floor Brick, Right		3-40-08710	
11	Brick Panels, Side	Qty. 2 Req.	3-40-08712	
12	Brick Panel, Rear		3-40-08711	

Additional service part numbers appear on following page.

IMPORTANT: THIS IS DATED INFORMATION. When requesting service or replacement parts for your appliance please provide model number and serial number. All parts listed in this manual may be ordered from an authorized dealer.



**Stocked
at Depot**

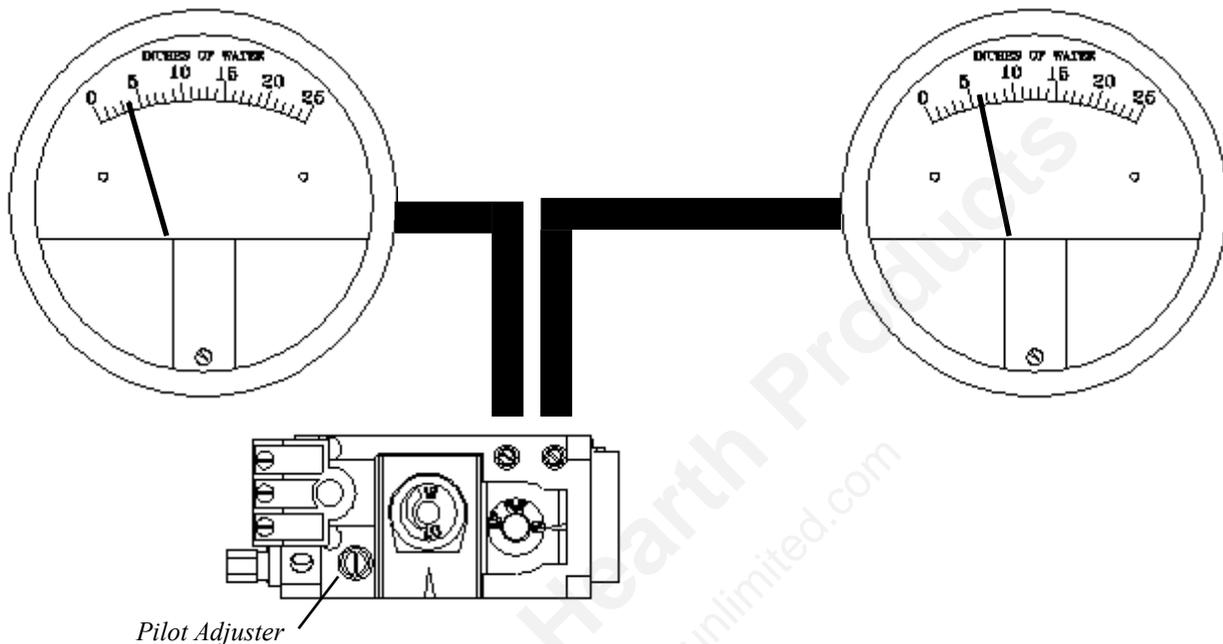
ITEM	DESCRIPTION	COMMENTS	PART NUMBER	
	AC Crossflow Blower (Option)		3-21-55416	Y
	Arch Face Template (Masonry)	No longer available	1-00-4238231	
	Arch Openface, Black Powder	Black	1-00-04653-13	
	Arch Scroll Door	Black	3-43-4238247-13	
	Arch Scroll Grill	Black	3-43-4238246-13	
	Brass Male Compression Fitting		3-31-08284	
	Burner Tube, Front		3-40-08783	Y
	Burner Tube, Rear		3-40-08782	Y
	Conversion Kit, Rear vent - NG		1-00-09771	
	Conversion Kit, Rear vent - LP		1-00-08771	Y
	Conversion Kit, Top vent - NG		1-00-09770	
	Conversion Kit, Top vent - LP		1-00-08770	Y
	Decreaser 8"- 6-5/8"		3-40-12223	
	Duct Assembly (option)		1-10-4238302A	
	Floor Register Kit (option)	No longer available	1-00-4238318	
	Gas Bridge		2-00-4238212B	
	Gasket, 3/16 x 5/8 Flat	10 Ft	1-00-08792	
	Gasket, Glass	10 Ft	1-00-00539	Y
	Gasket, Silica Explosion Relief		3-44-08714	
	Glass Rect 19-5/8" X 32-5/8"		3-40-196326	Y
	High Voltage Harness/Switch		3-20-08784	
	High Voltage J-Box Harness		3-20-08785	
	Orifice - #52, Female Thread		3-40-08770	Y
	Orifice - #59, Female Thread		3-40-08769	Y
	Orifice - #60, Female Thread		3-40-08768	Y
	Orifice - #71, Female Thread		3-40-00071	Y
	Outer Stove Adapter, 8"		3-40-08788	
	Piezo Igniter w/nut (knob/actuator)		3-40-08220	Y
	Pilot Assembly- LP		3-40-08715	Y
	Pilot Assembly- NG		3-40-08714	Y
	Thermocouple - For use with PSE pilot		3-40-08906	Y
	Thermocouple - For use with S.I.T. pilot		3-40-08228	Y
	Thermopile - For use with PSE or S.I.T. pilot		3-20-08219	Y
	Pilot Opening Cover		2-00-4238230	
	Remote Blower Assembly		1-10-55416A	
	Remote Control, Dual Burner		1-00-7912	
	Remote Duct Kit (option)		1-00-08802	

Additional service parts on following page.

Natural Gas

Manifold Pressure
3.5 inches

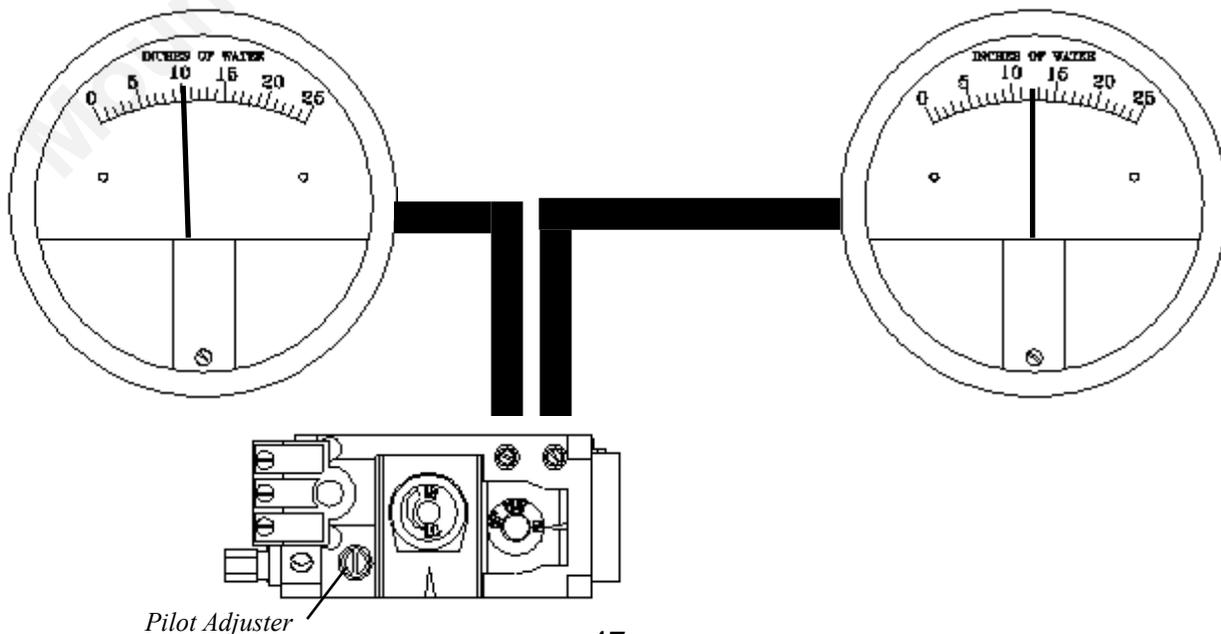
Inlet Pressure
5 to 7 inches

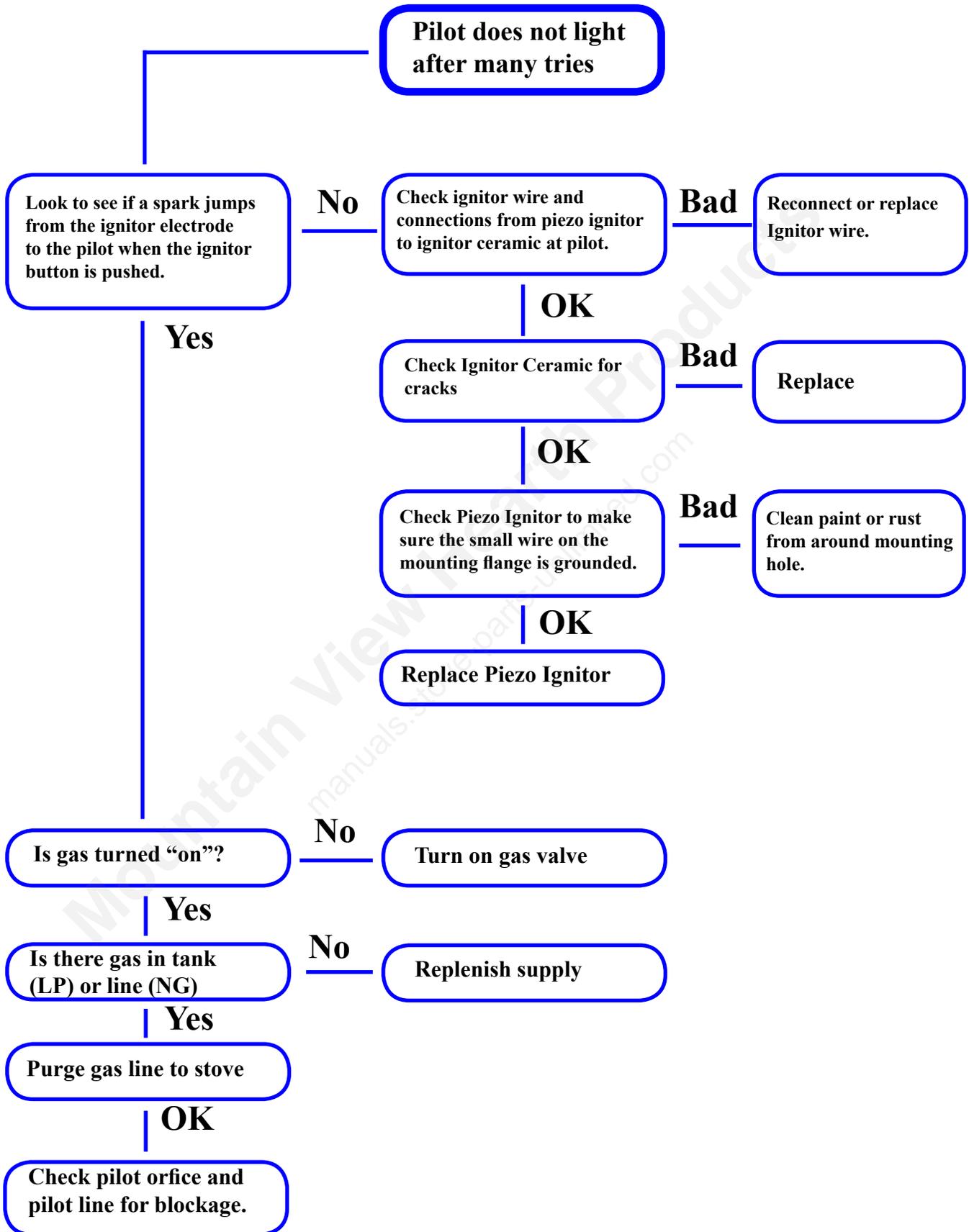


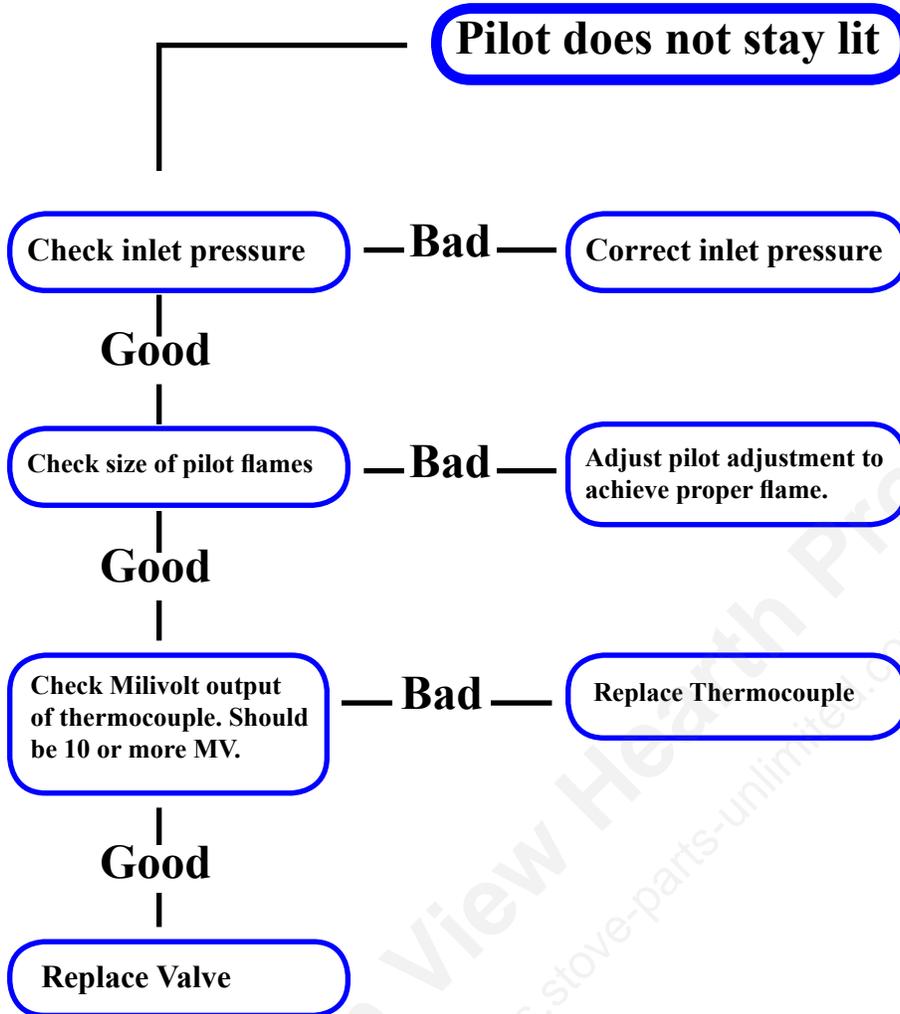
Propane

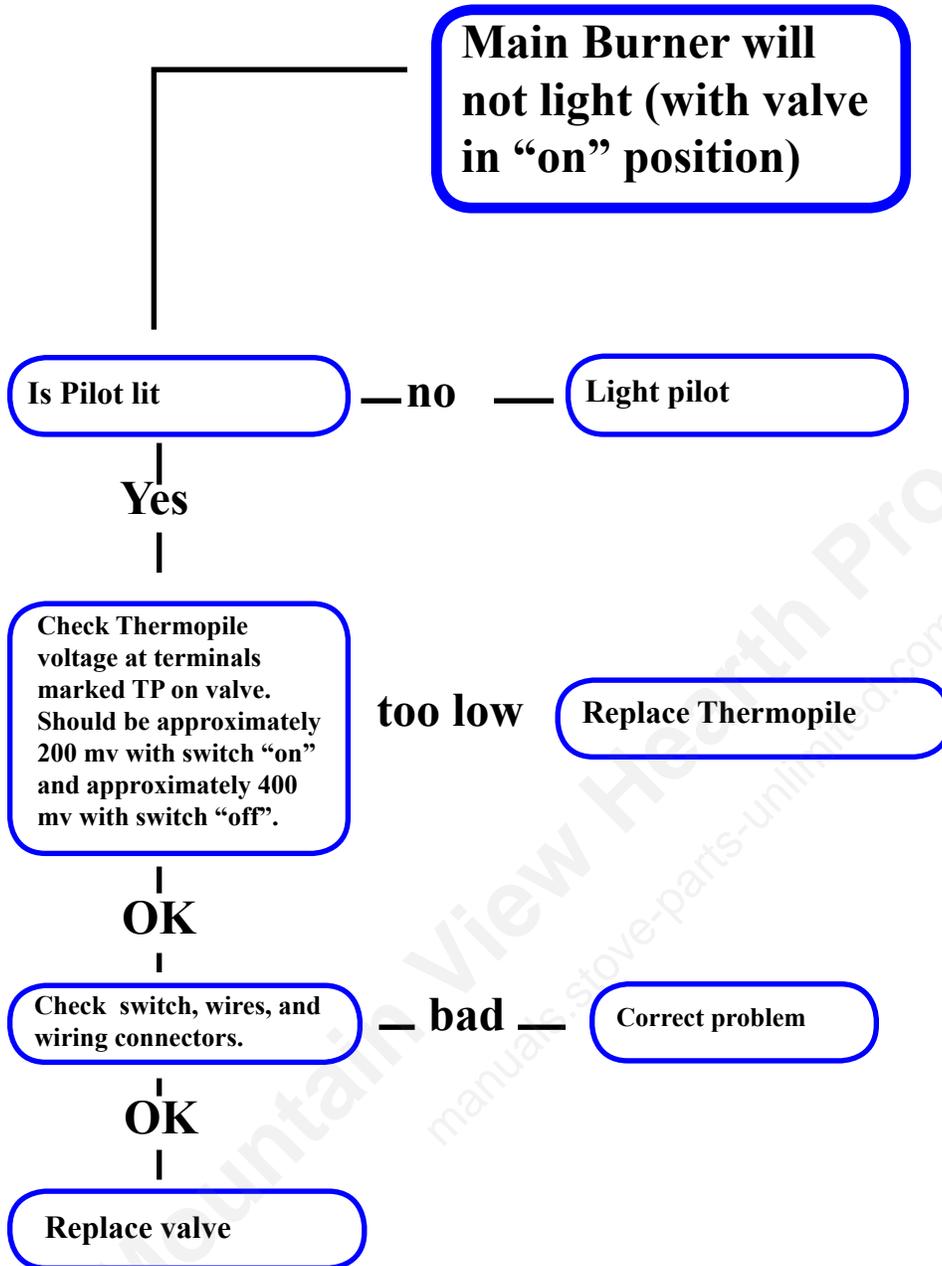
Manifold Pressure
10 inches

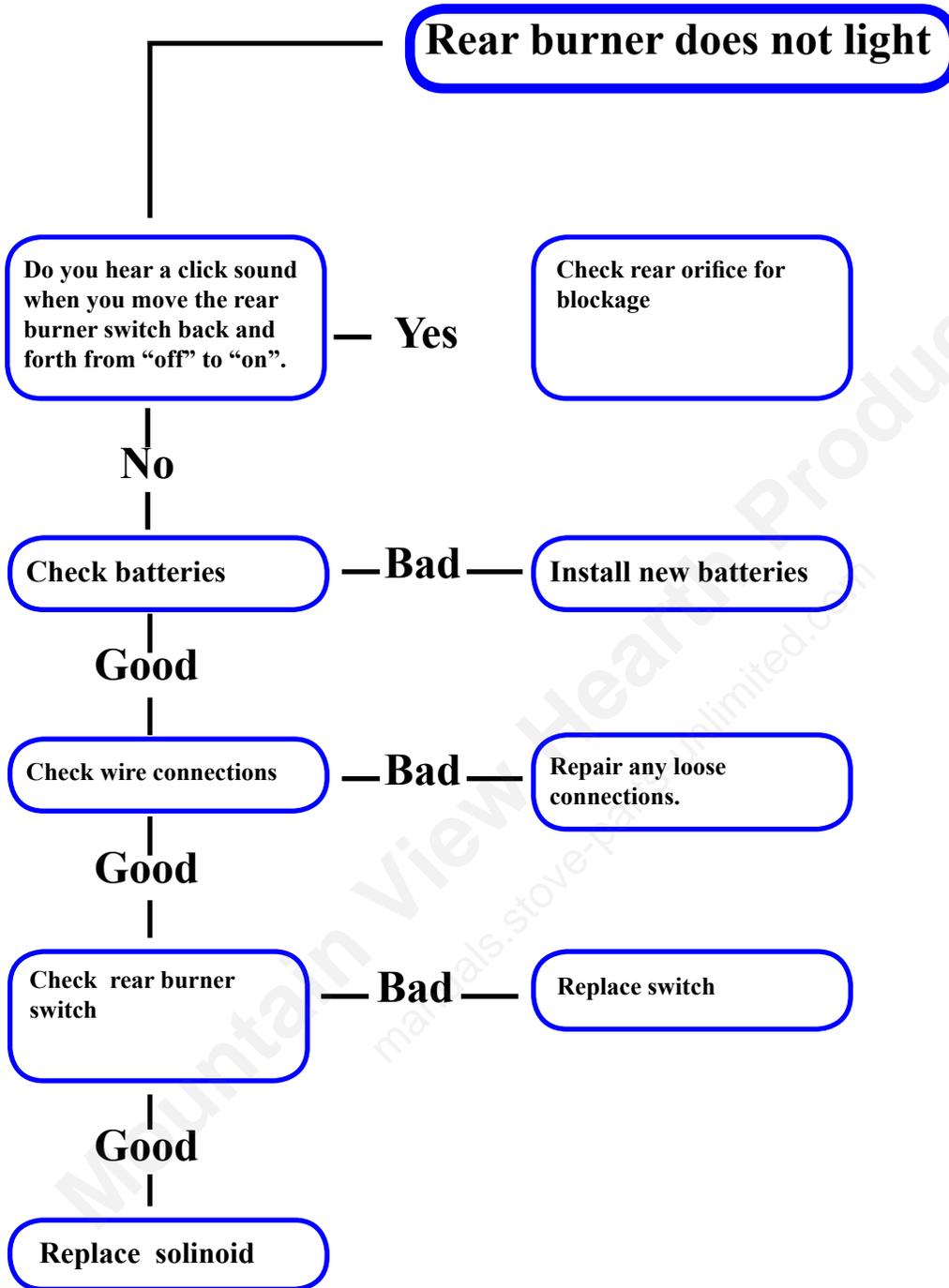
Inlet Pressure 11
to 13 inches











Hearth & Home Technologies Inc. LIMITED LIFETIME WARRANTY

Hearth & Home Technologies Inc., on behalf of its hearth brands ("HHT"), extends the following warranty for HHT gas, wood, pellet, coal and electric hearth appliances that are purchased from an HHT authorized dealer.

WARRANTY COVERAGE:

HHT warrants to the original owner of the HHT appliance at the site of installation, and to any transferee taking ownership of the appliance at the site of installation within two years following the date of original purchase, that the HHT appliance will be free from defects in materials and workmanship at the time of manufacture. After installation, if covered components manufactured by HHT are found to be defective in materials or workmanship during the applicable warranty period, HHT will, at its option, repair or replace the covered components. HHT, at its own discretion, may fully discharge all of its obligations under such warranties by replacing the product itself or refunding the verified purchase price of the product itself. The maximum amount recoverable under this warranty is limited to the purchase price of the product. This warranty is subject to conditions, exclusions and limitations as described below.

WARRANTY PERIOD:

Warranty coverage begins on the date of original purchase. In the case of new home construction, warranty coverage begins on the date of first occupancy of the dwelling or six months after the sale of the product by an independent, authorized HHT dealer/ distributor, whichever occurs earlier. The warranty shall commence no later than 24 months following the date of product shipment from HHT, regardless of the installation or occupancy date. The warranty period for parts and labor for covered components is produced in the following table.

The term "Limited Lifetime" in the table below is defined as: 20 years from the beginning date of warranty coverage for gas appliances, and 10 years from the beginning date of warranty coverage for wood, pellet, and coal appliances. These time periods reflect the minimum expected useful lives of the designated components under normal operating conditions.

Warranty Period		HHT Manufactured Appliances and Venting							Components Covered
Parts	Labor	Gas	Wood	Pellet	EPA Wood	Coal	Electric	Venting	
1 Year		X	X	X	X	X	X	X	All parts and material except as covered by Conditions, Exclusions, and Limitations listed
2 years				X	X	X			Igniters, electronic components, and glass
		X	X	X	X	X			Factory-installed blowers
			X						Molded refractory panels
3 years				X					Firepots and burnpots
5 years	1 year			X	X				Castings and baffles
7 years	3 years		X	X	X				Manifold tubes, HHT chimney and termination
10 years	1 year	X							Burners, logs and refractory
Limited Lifetime	3 years	X	X	X	X	X			Firebox and heat exchanger
90 Days		X	X	X	X	X	X	X	All replacement parts beyond warranty period

See conditions, exclusions, and limitations on next page.

WARRANTY CONDITIONS:

- This warranty only covers HHT appliances that are purchased through an HHT authorized dealer or distributor. A list of HHT authorized dealers is available on the HHT branded websites.
- This warranty is only valid while the HHT appliance remains at the site of original installation.
- Contact your installing dealer for warranty service. If the installing dealer is unable to provide necessary parts, contact the nearest HHT authorized dealer or supplier. Additional service fees may apply if you are seeking warranty service from a dealer other than the dealer from whom you originally purchased the product.
- Check with your dealer in advance for any costs to you when arranging a warranty call. Travel and shipping charges for parts are not covered by this warranty.

WARRANTY EXCLUSIONS:

This warranty does not cover the following:

- Changes in surface finishes as a result of normal use. As a heating appliance, some changes in color of interior and exterior surface finishes may occur. This is not a flaw and is not covered under warranty.
- Damage to printed, plated, or enameled surfaces caused by fingerprints, accidents, misuse, scratches, melted items, or other external sources and residues left on the plated surfaces from the use of abrasive cleaners or polishes.
- Repair or replacement of parts that are subject to normal wear and tear during the warranty period. These parts include: paint, wood, pellet and coal gaskets, firebricks, grates, flame guides, light bulbs, batteries and the discoloration of glass.
- Minor expansion, contraction, or movement of certain parts causing noise. These conditions are normal and complaints related to this noise are not covered by this warranty.
- Damages resulting from: (1) failure to install, operate, or maintain the appliance in accordance with the installation instructions, operating instructions, and listing agent identification label furnished with the appliance; (2) failure to install the appliance in accordance with local building codes; (3) shipping or improper handling; (4) improper operation, abuse, misuse, continued operation with damaged, corroded or failed components, accident, or improperly/incorrectly performed repairs; (5) environmental conditions, inadequate ventilation, negative pressure, or drafting caused by tightly sealed constructions, insufficient make-up air supply, or handling devices such as exhaust fans or forced air furnaces or other such causes; (6) use of fuels other than those specified in the operating instructions; (7) installation or use of components not supplied with the appliance or any other components not expressly authorized and approved by HHT; (8) modification of the appliance not expressly authorized and approved by HHT in writing; and/or (9) interruptions or fluctuations of electrical power supply to the appliance.
- Non-HHT venting components, hearth components or other accessories used in conjunction with the appliance.
- Any part of a pre-existing fireplace system in which an insert or a decorative gas appliance is installed.
- HHT's obligation under this warranty does not extend to the appliance's capability to heat the desired space. Information is provided to assist the consumer and the dealer in selecting the proper appliance for the application. Consideration must be given to appliance location and configuration, environmental conditions, insulation and air tightness of the structure.

This warranty is void if:

- The appliance has been over-fired or operated in atmospheres contaminated by chlorine, fluorine, or other damaging chemicals. Over-firing can be identified by, but not limited to, warped plates or tubes, rust colored cast iron, bubbling, cracking and discoloration of steel or enamel finishes.
- The appliance is subjected to prolonged periods of dampness or condensation.
- There is any damage to the appliance or other components due to water or weather damage which is the result of, but not limited to, improper chimney or venting installation.

LIMITATIONS OF LIABILITY:

- The owner's exclusive remedy and HHT's sole obligation under this warranty, under any other warranty, express or implied, or in contract, tort or otherwise, shall be limited to replacement, repair, or refund, as specified above. In no event will HHT be liable for any incidental or consequential damages caused by defects in the appliance. Some states do not allow exclusions or limitation of incidental or consequential damages, so these limitations may not apply to you. This warranty gives you specific rights; you may also have other rights, which vary from state to state. EXCEPT TO THE EXTENT PROVIDED BY LAW, HHT MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY SPECIFIED HEREIN. THE DURATION OF ANY IMPLIED WARRANTY IS LIMITED TO DURATION OF THE EXPRESSED WARRANTY SPECIFIED ABOVE.

Mountain View Hearth Products
manuals.stove-parts-unlimited.com