

# Installation & Operating Manual

## The Harman Conquest Gas Stove



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.

Tested to  
ANSI Z21.88-2002,  
CSA2.33-M02 and  
CAN-CGA-2.17-M91



*"Ce manuel est disponible en Français sur demande"*

R12

### SAFETY NOTICE

**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.

**SAVE THESE INSTRUCTIONS.**

## SAFETY NOTICE

**PLEASE READ THIS ENTIRE MANUAL BEFORE YOU INSTALL AND USE YOUR NEW ROOM HEATER. 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 HARMAN STOVE 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 STOVE COMPANY.**

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

This appliance must be installed in accordance with local codes, if any. If not, follow the current edition of the National Fuel Gas Code, ANSI Z223.1 or Canadian Installation Codes, CAN/CGA B149. (Installer l'appareil selon les codes ou règlements locaux, ou, en l'absence de tels règlements, selon les Codes d'installation CAN/CGA-B149)

**ADVERTISSEMENT:** Quiconque 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.

# Table of Contents

<b>Introduction</b>	<b>4</b>
<b>Safety Precautions</b>	<b>4</b>
<b>Operation</b>	<b>5</b>
<b>Specifications</b>	<b>8</b>
<b>Clearances</b>	<b>9</b>
<b>Venting</b>	<b>10</b>
<b>Installation</b>	<b>22</b>
<b>Changing To Natural Gas</b>	<b>22</b>
<b>Option Installation</b>	
<b>Thermostat</b>	<b>26</b>
<b>Remote Control</b>	<b>26</b>
<b>Glass Grill</b>	<b>26</b>
<b>Blower</b>	<b>27</b>
<b>Maintenance</b>	<b>28</b>
<b>Wiring Diagram</b>	<b>30</b>
<b>Parts</b>	<b>31</b>
<b>Trouble Shooting</b>	<b>33</b>
<b>Warranty</b>	<b>37</b>

Manufactured by The  
 Harman Stove Company  
 352 Mountain House Rd.  
 Halifax PA 17032  
 USA

# Introduction

The Harman Conquest Direct Vent Gas Stove 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 and CANL/CGA-2.17-M91.

The installation of the Conquest Direct Vent Gas Stove 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 Title 24 CFR, Part 3280, or CSA Z240.4.

**CAUTION:** This appliance must be vented to the outside.

Installation and repair of the Conquest Direct Vent Gas Stove 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 Conquest be kept clean.

**Due to high temperatures, the Conquest Direct Vent Gas Stove 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.**

When operating your Harman Conquest Gas Stove, respect basic safety standards. Read these instructions carefully before you attempt to operate the stove. 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 Conquest Gas Stove. Observing required clearances to combustible materials, the proximity to a safe chimney or 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 stove. 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.**

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 une maison préfabriquée (mobile) déjà installée à domicile 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 certifié est installé.

**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.
- Do not use any phone in the building.
- 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.

**C.** Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it. Call a qualified service technician. Force or attempted repair may result in a fire or explosion.

**D.** Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and gas control that has been under water.

**1. STOP!** Read the safety information above.

**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**" (center) position.

**5.** 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.

**6.** Wait five (5) minutes to clear out any gas. If you then smell gas, **STOP!**

Follow "**B**" in the safety information (above) on this label. If you don't smell gas, go to the next step.

**7.** Set **High-Low Regulator** to "**HIGH**" by turning fully counterclockwise.

**8.** Press in the gas control knob slightly and turn it counterclockwise to "**PILOT.**"

**9.** Find the pilot by looking in front of the rear log, 4 inches right of center.

**10.** Push the control knob fully down and hold. Immediately push the red piezo igniter 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 knob and it will pop back up. Pilot should remain lit. If it goes out, repeat steps 5 through 9.

- 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.

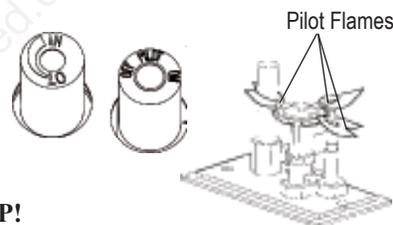
**11.** Turn the gas control knob counterclockwise to "**ON.**"

**12.** Place the **ON-OFF/THERMOSTAT** switch to "**ON**" (up) position or "**THERMOSTAT**" (down) position if the optional thermostat is used.

**13.** Turn on electric power to appliance.

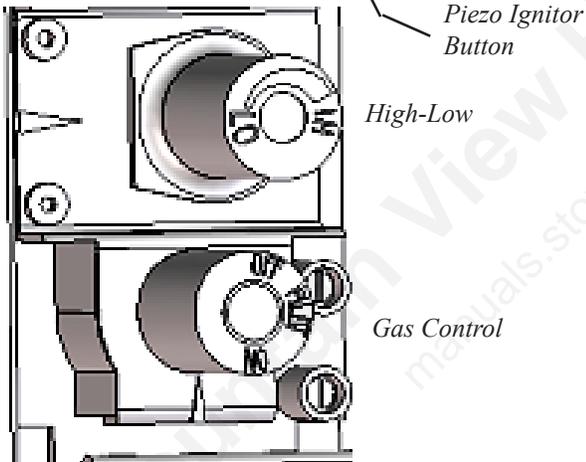
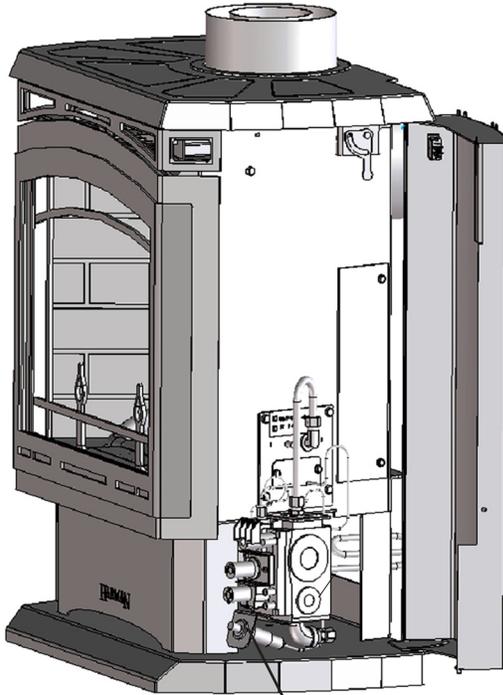
**14.** Set the optional thermostat to desired room temperature.

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

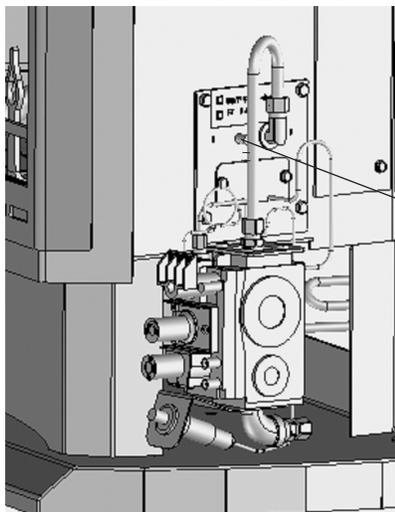


## Operation

### HOW TO LIGHT THE FIRE



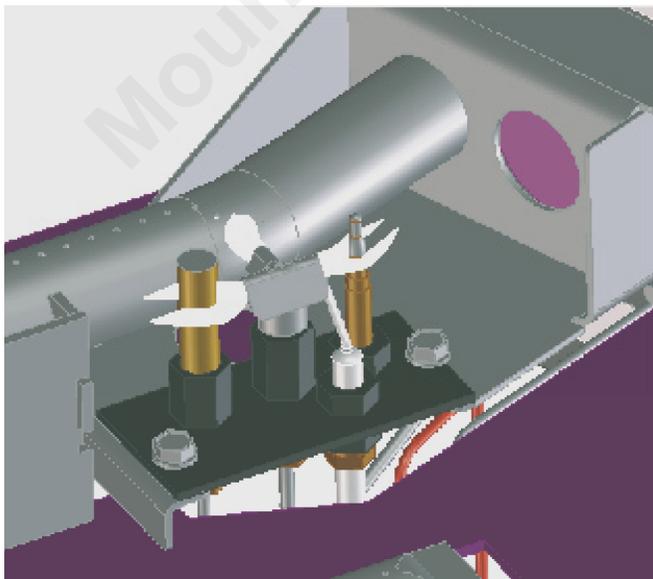
1. STOP! Read the safety information on the front cover of this manual.
2. If using the optional thermostat, set thermostat to the lowest setting.
3. Turn off electric power to the optional blower.
4. Turn the ON-OFF switch to the OFF position.
5. Push in the gas control knob slightly and turn it clockwise 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 the safety information on the front cover. 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 counterclockwise to "PILOT."
9. Find the pilot by looking down between the logs as shown at lower left.
10. Push the control knob fully down 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. Pilot should remain lit. If it goes out, repeat steps 5 through 10.
  - 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 switch in the ON position or turn up the thermostat setting if the optional thermostat is used.
13. Turn on the electric power to the optional blower if installed.
14. Set the optional thermostat to the desired room temperature.



Flame Height Adjuster



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 desired setting: Turn fully counterclockwise for High and fully clockwise for Low. If using a Thermostat, keep on High setting.

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 optional thermostat, set thermostat to the lowest position.
2. Turn off the electric power to the blower.
3. Turn the ON-OFF switch on the upper right rear of the stove to the OFF position.
4. Push in the gas control knob slightly and turn it clockwise to "OFF."

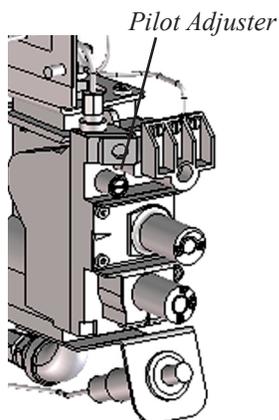
NOTE: The knob cannot be turned from "PILOT" to "OFF" unless it is pushed in slightly. Do not force it.

### FLAME HEIGHT ADJUSTMENT

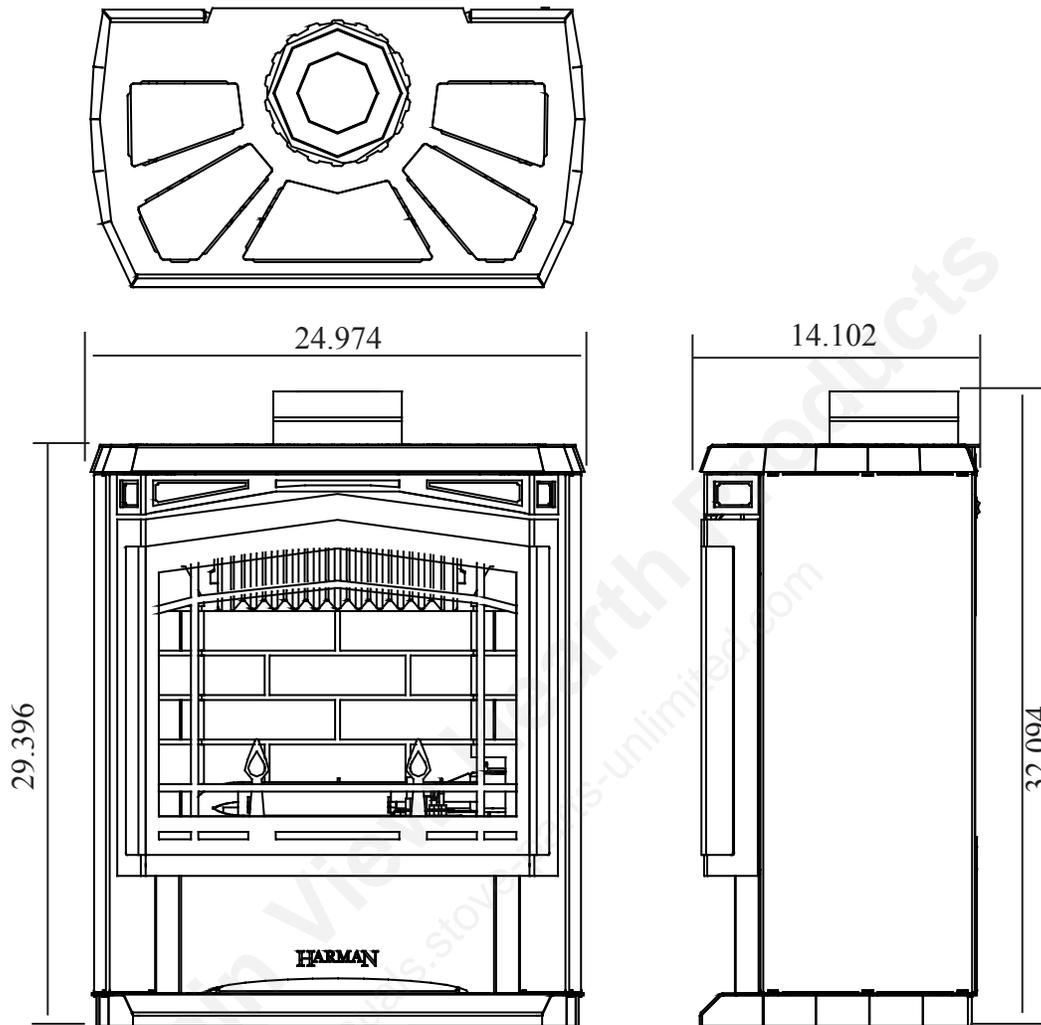
The flame height adjuster can be accessed by opening the right side panel. Turn the adjuster clockwise to increase flame height and counterclockwise to decrease. See above left. Adjusting the flames too high will cause them to have black tips and cause sooting. Sooting can cause the glass to get dirty. Check flame height after five to ten minutes and readjust if necessary.

### Pilot Flames

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



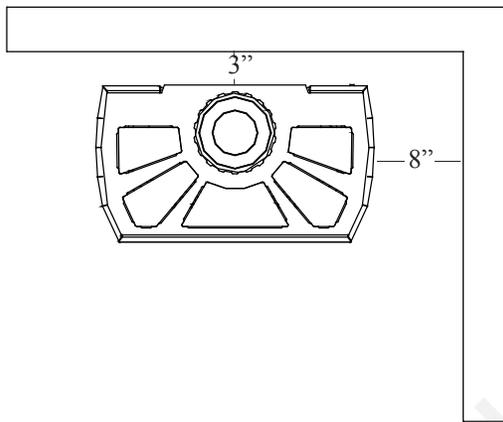
**Warning: The unit and adjuster may be hot. Wear gloves and arm protection if making adjustments while in operation.**



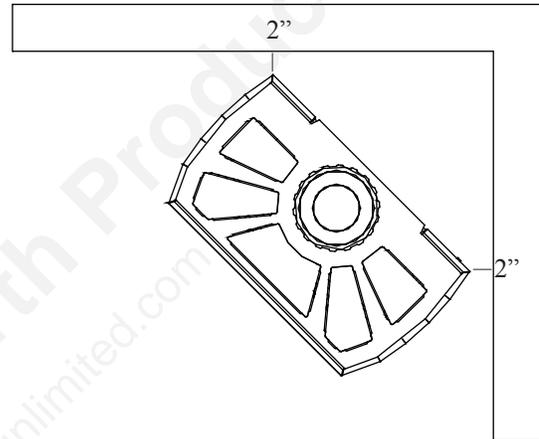
RATINGS	NATURAL	PROPANE
Input Rating (Btu/hr)(0-4500 ft.)(0-1375 m)	29000	29000
Min. Input Rating (Btu/hr)(0-4500 ft.)(0-1375 m)	14900	14100
Orifices (DMS)(0-4500 ft.)(0-1375 m)	37	53
Manifold Pressure (in w.c./kPa)	3.8/.95	11.0/2.75
Min. Manifold Pressure (in w.c./kPa)	1.1/.27	2.8/.7
Min. Inlet Pressure (in w.c./kPa)	5.0/1.25	11.5/2.87
Max. Output (Btu/hr)(0-4500 ft.)(0-1375 m) (Blower Off)	21375	21854

## MINIMUM CLEARANCES FROM COMBUSTIBLE CONSTRUCTION

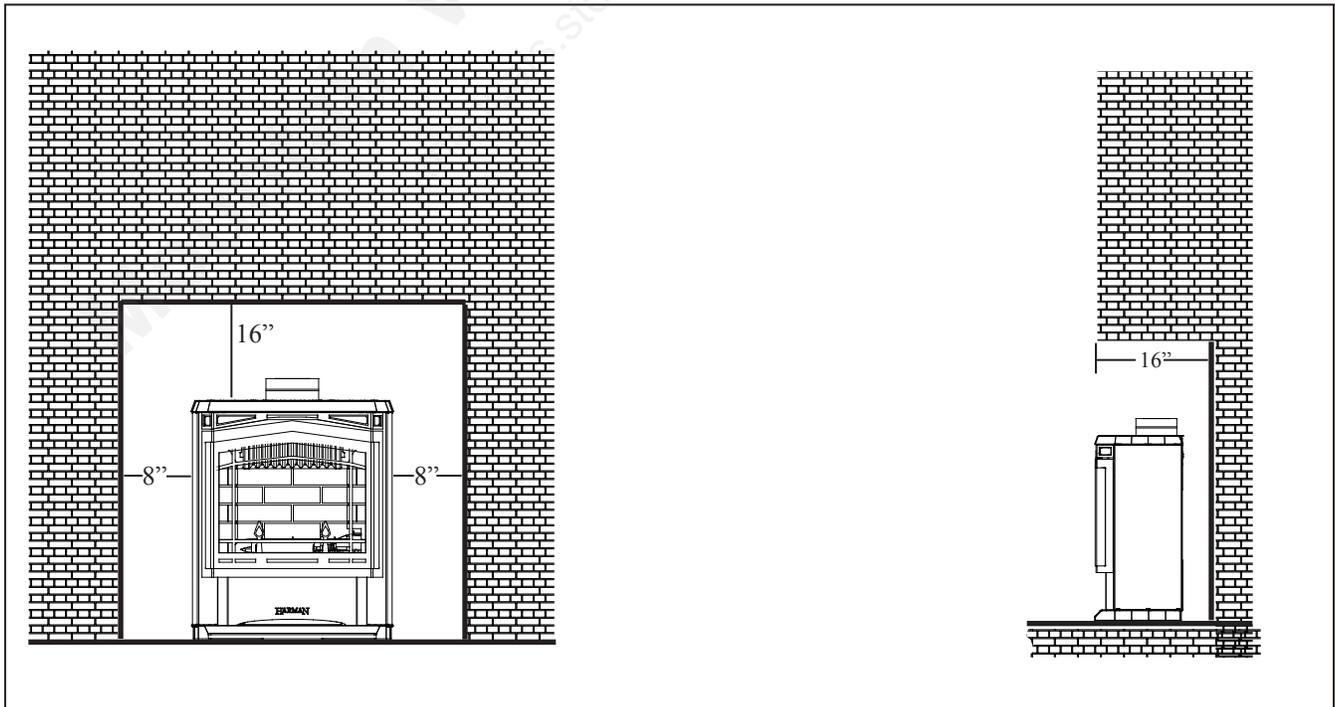
Unit to corner walls	2 in.
Unit to side wall	8 in.
Unit to back wall	3 in.
Unit to alcove ceiling	16 in.
Maximum alcove depth	16 in.
Electrical Rating: 120 Volts, 60 Hz,	< 0.7 AMP



Side And Back Wall Clearances



Corner Clearances



Alcove Clearances

### Burn Only the Fuel for which the Heater is Equipped

The Conquest can burn either natural gas or propane, but requires a change-over kit for natural gas. 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.



### Making The Connection

The gas inlet is located on the bottom right side of the stove. The inlet fitting is a 1/2" male flare fitting.

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 Conquest 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 Conquest 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: 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.

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

### 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 3.8" w.c. (0.87 kPa)

### LP Gas(Propane):

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

Minimum inlet pressure 11.5" w.c. (2.74 kPa)

Gas manifold pressure 11" w.c. (2.49 kPa)

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.*

If appliance is installed directly on carpeting, tile, or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the appliance.

Keep areas around air openings into the combustion chamber free of obstructions, and do not block any panels where access is needed for servicing.

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.**

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

**Use Only Approved Venting**

This appliance has been tested and is listed for installation with Simpson DuraVent GS venting components. The Simpson DuraVent GS warranty will be voided, and serious fire, health, or other safety hazards may result from any of the following actions:

- Installation of any damaged DuraVent GS component.
- Unauthorized modification of the DuraVent GS System.
- Installation of any component part not manufactured or approved by Simpson DuraVent.
- Installation other than as instructed by Simpson DuraVent 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 Conquest Direct Vent Gas Stove.

**Part Numbers for SimpsonDura-Vent Pipe and Fittings**

<b>6-5/8 x 4</b>	<b>8" x 5"</b>	<b>Description</b>
n/a	1208	6" Pipe Length
908B	1208B	6" Pipe Length, Black
n/a	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
n/a	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	45° 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 Vs. Simpson Dura-Vent Direct Vent GS

### 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
990B	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"

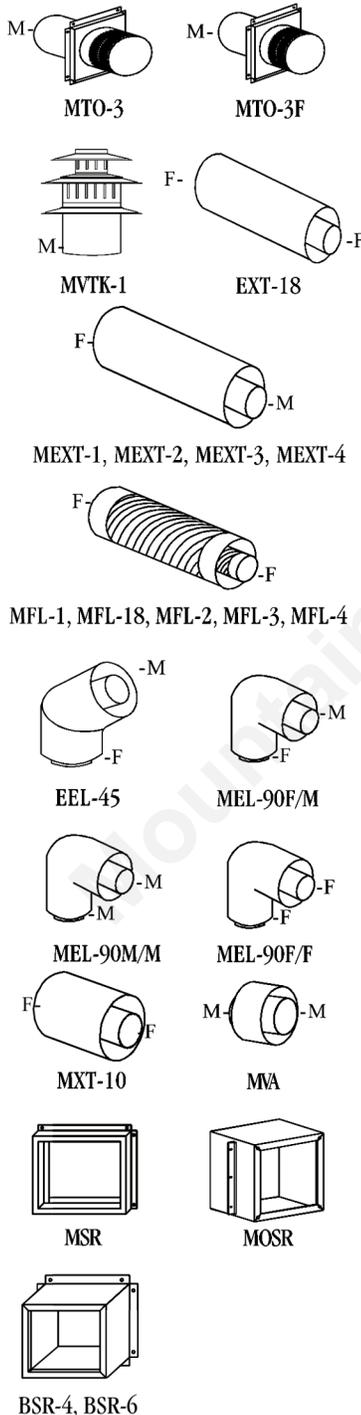
Cross Reference List

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.....SV4CSB		941	SV5CSB	1241
Collar for the Decorative				
Square Cathedral Support.....SV4AC		n/a	SV5AC	n/a
Decorative Black Plate (square).....SV4PF		940	SV5PF	1240
Universal Support.....SV4SU		989	SV5SU	1289
Floor Support.....SV4SD		n/a	SV5SD	n/a
Roof Brace.....SV4BS		n/a	SV5BS	n/a
Roof Support.....SV4ST		n/a	SV5ST	n/a
Wall Band.....SV4BM		988	SV5BM	1288
Attic Radiation Shield.....SV4RSA		n/a	SV5RSA	n/a
Wall Radiation Shield.....SV4RSM		942	SV5RSM	1242
Firestop.....SV4BF		963	SV5BF	1263
Flat Roof Flashing(storm collar incl.)....SV4F		943F	SV5F	1243F
Adjustable Roof Flashing				
1/12 - 7/12 (storm collar incl.).....SV4FA		943	SV5FA	1243
Adjustable Roof Flashing				
8/12 - 12/12 (storm collar incl.).....SV4FB		943S	SV5F B	1243S
Storm Collar.....SV4FC		953	SV5FC	1253
Vinyl Shield Protector.....SV4VS		950	SV5VS	1250
Restrictor Disk.....SV4RD		929	SV5RD	n/a
VERTICAL TERMINATION CAP.....SV4CGV		980	SV5CGV	1280
HORIZONTAL TERMINATION CAP.....SV4CHC-1		984	SV5CHC-1	1284
SNORKEL CAP 14".....SV4STC14		982	SV5STC14	1282
SNORKEL CAP 36".....SV4STC36		981	SV5STC36	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) ..... MTO3  
 3” Termination, with integral mounting frame ..... MTO3F

**VERTICAL TERMINATION**

Termination for vertical installations .....MVTK1  
 Includes MXT-10 adaptor (for straight, vertical installations)

Termination Touch-Up Paint .....Paint03

**VENT PIPES**

**Extensions**

18” rigid section (female/female) ..... EXT18  
 12” rigid section (female/male) .....MEXT1  
 24” rigid section (female/male) .....MEXT2  
 36” rigid section (female/male) .....MEXT3  
 48” rigid section (female/male) .....MEXT4  
 72” rigid section (female/male) .....MEXT6

**Flex Sections**

12” flex section (female/female connectors) .....MFL1  
 18” flex section (female/female) .....MFL18  
 24” flex section (female/female) ..... MFL2  
 36” flex section (female/female) .....MFL3  
 48” flex section (female/female) .....MFL4

**Elbows**

45° solid elbow section.(female/male connectors) .....EEL45  
 90° elbow (female/female) .....MEL90F/F  
 90° elbow (male/male). .....MEL90M/M  
 90° elbow (female/male). .....MEL90F/M

Clearance Reducing Sleeve .....CRS30

**Vertical Installation Adaptor**

10” flue adaptor for straight, vertical installations (female/female) ..... MXT10

**Vent Connector**

4” vent connector (male/male) ..... MVA

**TERMINATION FRAMES**

Siding or Stucco Frame .....MSR

Used for easy installation of termination.

Siding or Stucco Can .....MOSR

Used to provide installation of termination from the inside of the building.

**Brick Siding Can**

Used for installation of termination on brick wall.

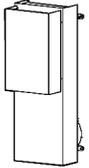
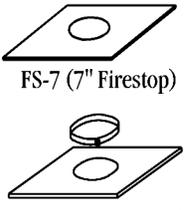
4” depth .....BSR-4

6” depth .....BSR-6

# Montigo Direct Vent



## Standard Series Direct Vent (4"/ 7")

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

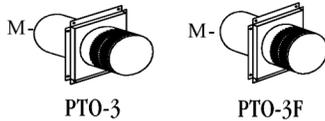
**Montigo Direct Vent**



**Premium Series Direct Vent (5”/8”)**

Description

Order Code



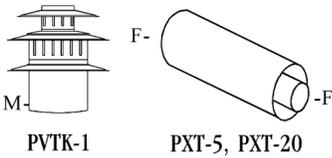
PTO-3

PTO-3F

**HORIZONTAL TERMINATIONS**

3” Termination with no mounting frame (male connector). ..... PTO3  
(use with MSR or MOSR).

3” Termination & mounting frame (male connector). ..... PTO3F



PVTK-1

PXT-5, PXT-20

**VERTICAL TERMINATION**

Termination for vertical installations (male connector) ..... PVTK1  
Includes PXT-10 adaptor (for straight, vertical installations).

**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/mal..... 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

**Vertical Vent Reducer**

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.

Siding or Stucco Can ..... MOSR

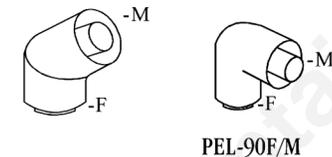
Used to provide installation of termination from the inside of the building.

**Brick Siding Can**

Used for installation of termination on brick wall.

4” depth ..... BSR-4

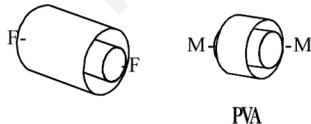
6” depth ..... BSR-6



PEL-90F/M



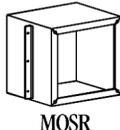
PEL-90F/F



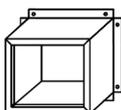
PVA



MSR



MOSR



# Montigo Direct Vent

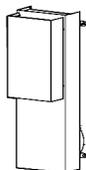


## Premium Series Direct Vent (5"/8")

**Description** **Order Code**

**SNORKEL TERMINATIONS**

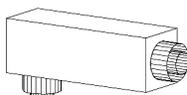
18" vertical rise .....SNK58-2  
 30" vertical rise .....SNK58-3



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



DVST-CNT  
 (Insulated Offset Box)

**HEAT GUARD**

Fits all Premium Series (5"/8" dia.) terminations .....PTKOG

**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



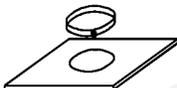
PTKOG

**VERTICAL INSTALLATION ACCESSORIES**

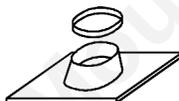
8" Firestop .....PS8  
 8" Support plate & support ring .....PSPXT-8  
 8" Support plate & support ring (Bulk pack of 6) .....PSP806  
 Flashing and storm collar for 1/12 to 7/12 pitch roof .....PRF7  
 Flashing and storm collar for 1/12 to 7/12 pitch roof (Bulk pack of 6) .....PRF706  
 Flashing and 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)



PSPXT-8 (8" Support Plate)



PRF-7, PRF-12

**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.

**Vertical Vent Restrictors**

For 8' - 14' vertical vent run .....PVVR8  
 For 15' - 24" vertical vent run .....PVVR15  
 For 25' or greater vertical vent run .....PVVR25  
 Vent restrictors may not be required. Contact the factory for more information.

## EXCELDirect - Component List

Liste des composants	Component Name	Ø4" I.D.	Ø5" I.D.
		Ø 6 5/8" O.D	Ø8" O.D
<b>Longueurs</b>	<b>Lengths</b>		
Longueur 6" Galvalume	6" Length, Galvalume	TC-4DL6	TC-5DL6
Longueur 6", Noire	6" Length, Black	TC-4DL6B	TC-5DL6B
Longueur 12" Galvalume	12" Length, Galvalume	TC-4DL1	TC-5DL1
Longueur 12", Noire	12" Length, Black	TC-4DL1B	TC-5DL1B
Longueur 24" Galvalume	24" Length, Galvalume	TC-4DL2	TC-5DL2
Longueur 24", Noire	24" Length, Black	TC-4DL2B	TC-5DL2B
Longueur 48" Galvalume	48" Length, Galvalume	TC-4DL4	TC-5DL4
Longueur 48", Noire	48" Length, Black	TC-4DL4B	TC-5DL4B
Longueur flexible 36"	Flexible Length, 36"	TC-4DLF	TC-5DLF
Longueur télescopique 12" Galvalume	12" Adjustable Length, Galvalume	TC-4DLT	TC-5DLT
Longueur télescopique 12", Noire	12" Adjustable Length, Black	TC-4DLTB	TC-5DLTB
<b>Coudes</b>	<b>Elbows</b>		
Coude 45° Galvalume	45° Elbow, Galvalume	TE-4DE45	TE-5DE45
Coude 45° Noir	45° Elbow, Black	TE-4DE45B	TE-5DE45B
Coude 90° Galvalume	90° Elbow, Galvalume	TE-4DE90	TE-5DE90
Coude 90° Noir	90° Elbow, Black	TE-4DE90B	TE-5DE90B
<b>Supports et coupe-feux</b>	<b>Supports &amp; Firestops</b>		
Support carré / Coupe-feu radiant *	Square Support / Radiation Shield *	TM-4SS	TM-5SS
Support rond / Coupe-feu radiant **	Round Support / Radiation Shield **	TM-4RDS	TM-5RDS
Support pour plafond / Coupe-feu	Ceiling Support / Firestop	TM-4CS	TM-5CS
Support de déviation	Offset Support		TM-OS
Support de toit	Roof Support		TM-SR
Support mural ajustable	Adjustable Wall Support		TM-WS
Coupe-feu mural ajustable	Adjustable Wall Thimble	TM-4WT	TM-5WT
Anneau de finition, noir	Trim Ring, Black	TM-4TR	TM-5TR
Coupe-feu radiant d'entretoit	Attic Radiation Shield / Firestop	TM-4AS	TM-5AS
<b>Chapeaux</b>	<b>Terminations</b>		
Chapeau horizontal	Horizontal Termination	TM-4HT	TM-5HT
Chapeau horizontal de luxe	Deluxe Horizontal Termination	TM-4DHT	TM-5DHT
Chapeau vertical	Vertical Termination	TM-4VT	TM-5VT
Chapeau périscope 14"	14" Snorkel Termination	TM-4ST14	TM-5ST14
Chapeau périscope 36"	36" Snorkel Termination	TM-4ST36	TM-5ST36
<b>Solins et collets</b>	<b>Flashing and collar</b>		
Solin plat	Flat Flashing	TF-4F	XF-6FF
Solin ajustable 1/12 – 7/12	Adjustable Flashing 1/12 – 7/12	TF-4FA	XF-6EFA
Solin ajustable 8/12 – 12/12	Adjustable Flashing 8/12 – 12/12	TF-4FB	XF-6EFB
Solin pour cheminée de maçonnerie	Masonry Chimney Flashing	TF-4MF	---
Collet de solin	Storm collar		TM-SC
<b>Accessoires</b>	<b>Accessories</b>		
Disque restricteur	Restrictor Disk	TM-4RD	---
Protecteur de vinyl	Vinyl Siding Standoff		TM-VSS
Adaptateur pour appareil de coaxial à colinéaire	Coaxial to Collinear Appliance Adapter	TM-4CAA	---
Adaptateur pour chapeau de colinéaire à coaxial	Collinear to Coaxial Termination Adapter	TM-4CTA	---
Raccord de gaine flexible 3"	Flex Liner Connector 3"		TM-CFAA3
Adaptateur de cheminée 6" – Type A et maçonnerie ***	Type A / Masonry Chimney Adapter 6" ***	TM-4CA6	---
Adaptateur de cheminée 7" – Type A ***	Type A Chimney Adapter – 7" ***	TM-4CA7	---
Adaptateur de cheminée 8" – Type A ***	Type A Chimney Adapter – 8" ***	TM-4CA8	---

\*: Order the Excel Chimney Square Support Extension (6ESSE for 4" Ø ; 7ESSE for 5" Ø) if required.

\*\*\*: Order the Excel Chimney Round Support Extension (6ERDSE for 4" Ø ; 7ERDSE for 5" Ø) if required.

\*\*\*: These components are not UL or Warnock Hersey listed.

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

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

## Venting with 6 5/8" x 4" Pipe

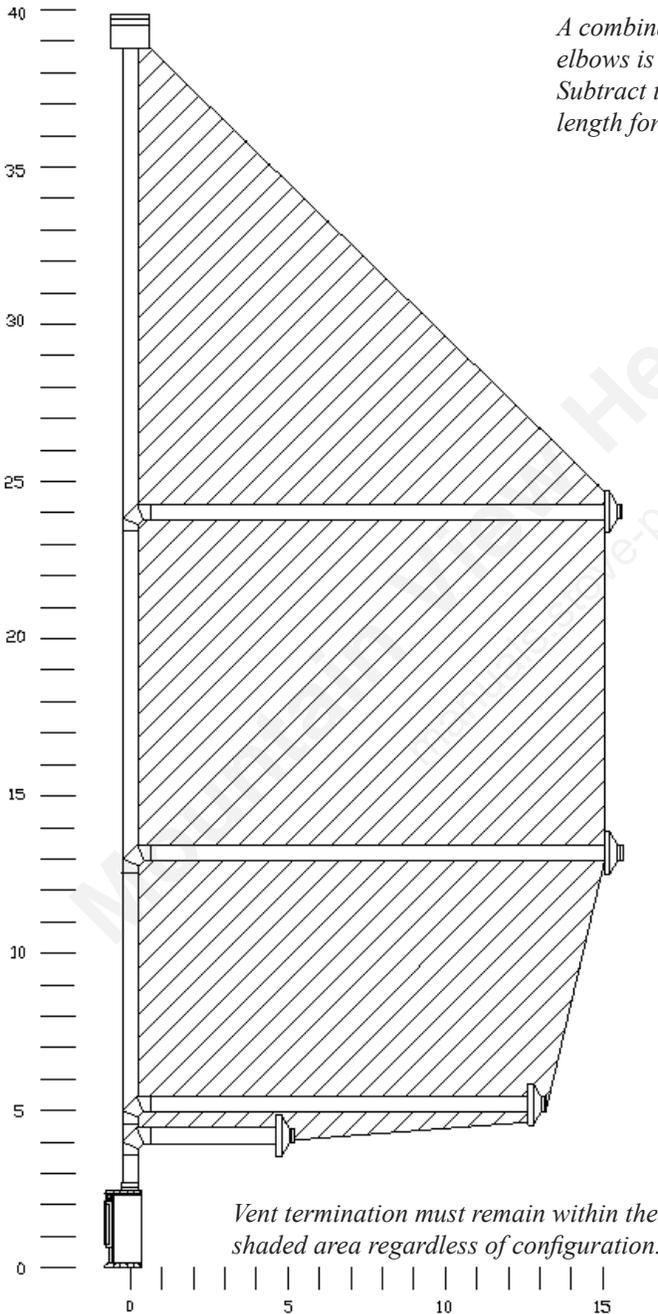
*Maximum of four 45° elbows allowed.  
Subtract three feet of total horizontal pipe length for each of the 3rd and 4th 45° elbows used.*



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

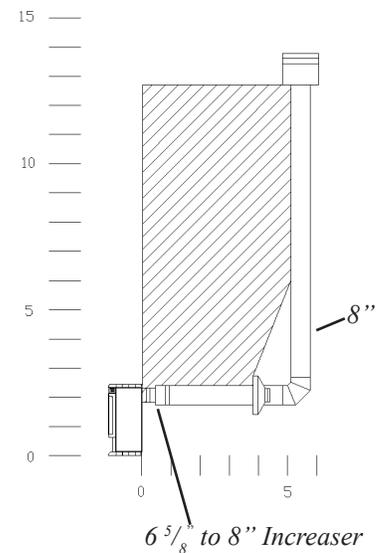
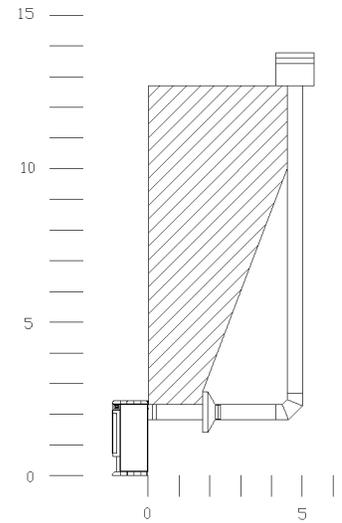


*A combination of one 90° elbow and two 45° elbows is allowed.  
Subtract three feet of total horizontal pipe length for each 45° elbow used.*

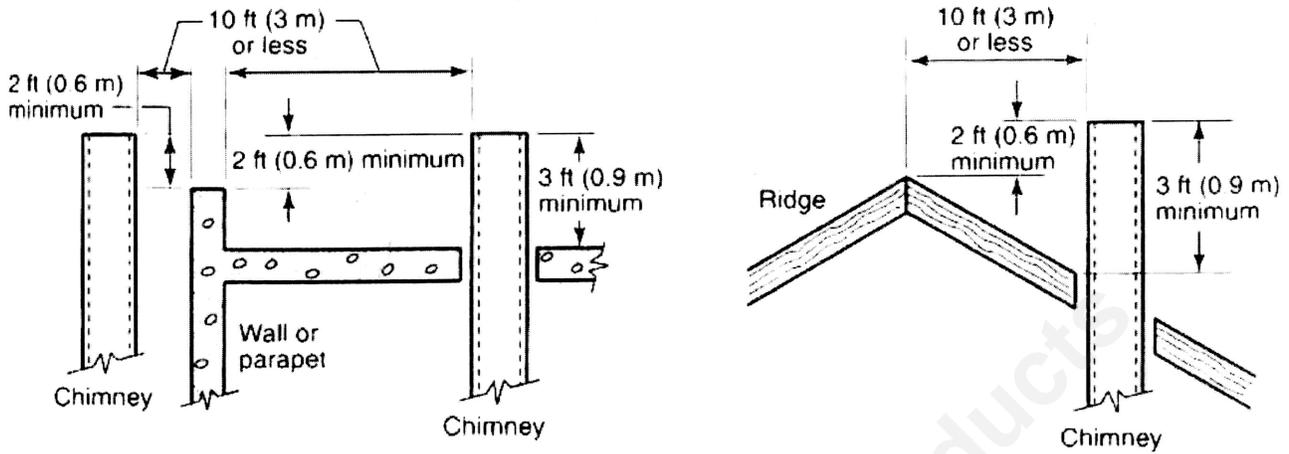


### Rear Vent

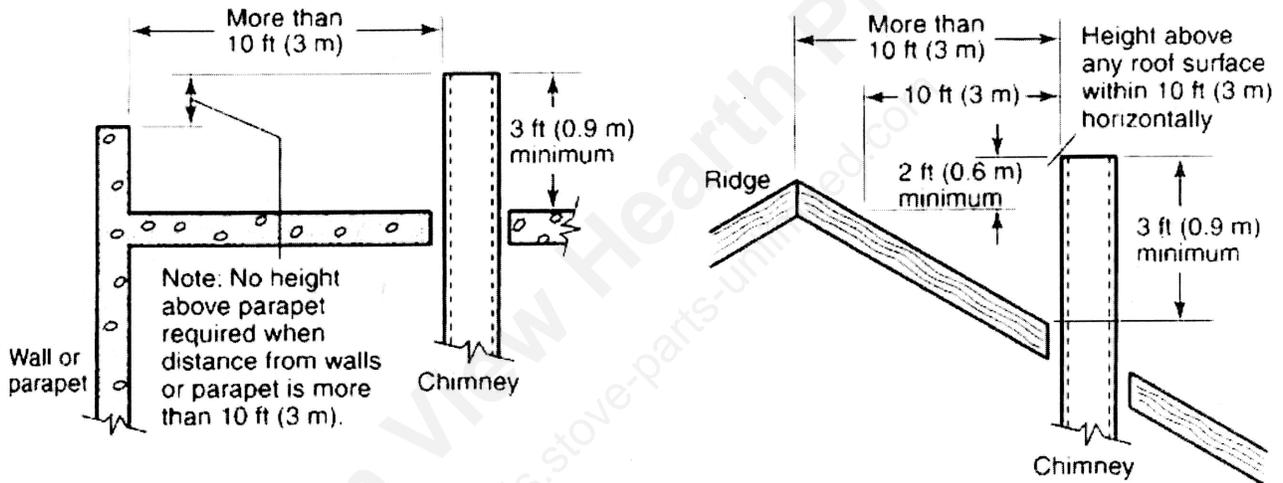
*A snorkel termination is recommended when no vertical pipe is used.*



*6 5/8" to 8" Increaser*

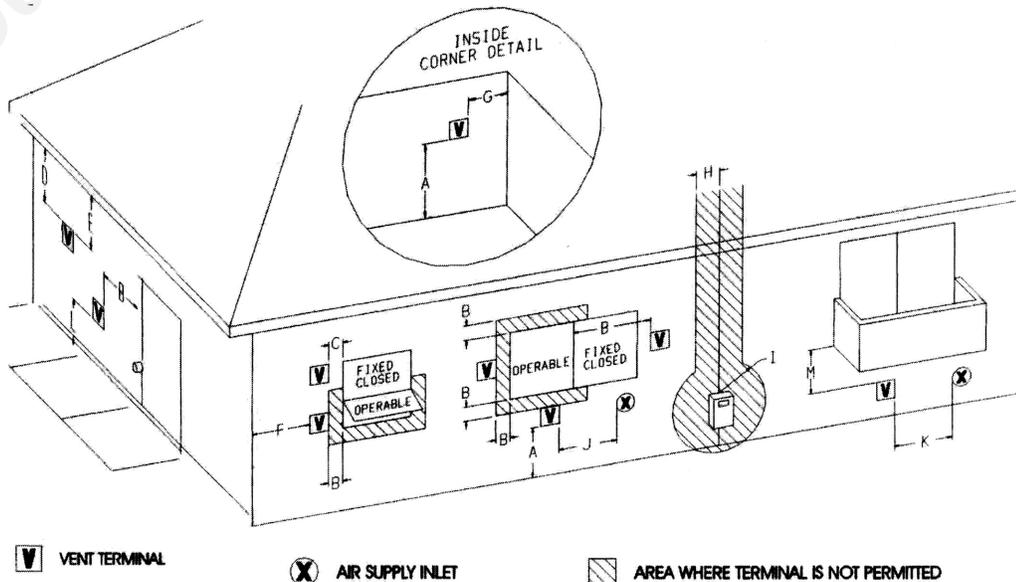


(a) Termination 10 ft. (3 m) or less from ridge, wall, or parapet



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

The following diagram and table detail the restrictions on the vent terminal location.



	Canadian Installations <sup>1</sup>	US Installations <sup>2</sup>	
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 unventilated 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) ‡	*

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

<sup>2</sup> 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.

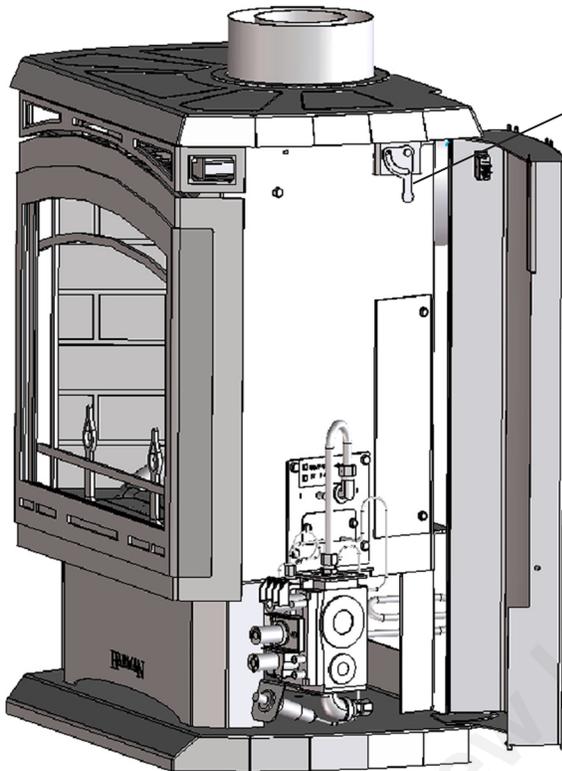
\* For clearances not specified in ANSI Z223. 1 / NFPA 54 or CSA-B149.1, one of the following shall be indicated:

- A minimum clearance value determined by testing in accordance with section 2.19.6, or;
- A reference to the following footnote:

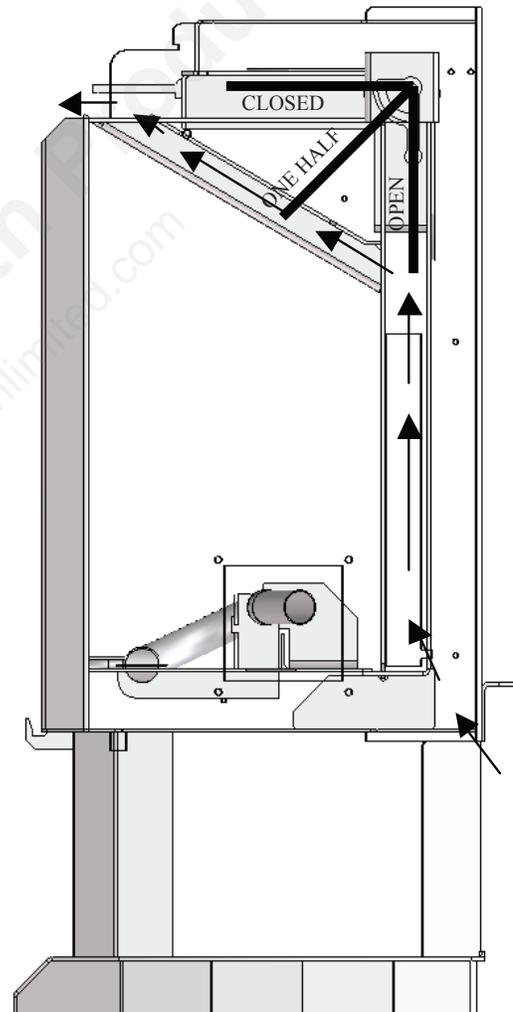
“Clearance in accordance with local installation codes and the requirements of the gas supplier”  
«Dégagement conforme aux codes d’installation locaux et aux exigences du fournisseur de gaz»

## Damper Settings

### Top Vent Only



*Vent damper shown in the Maximum Draft "OPEN" position for top vent. Note: This would be the Minimum Draft "CLOSED" position if a rear vent was installed.*



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.

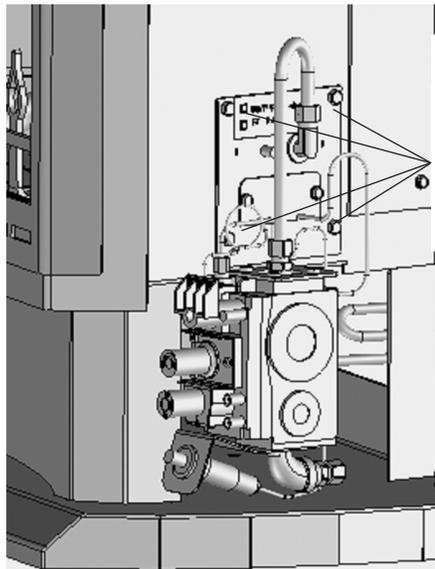
To adjust the damper, burn the unit on High 10 minutes or more. Adjust the vent damper to a position in the ranges listed below that produces the most desirable flame pattern.

#### Range Of Approved Damper Settings

##### Natural Gas or Propane

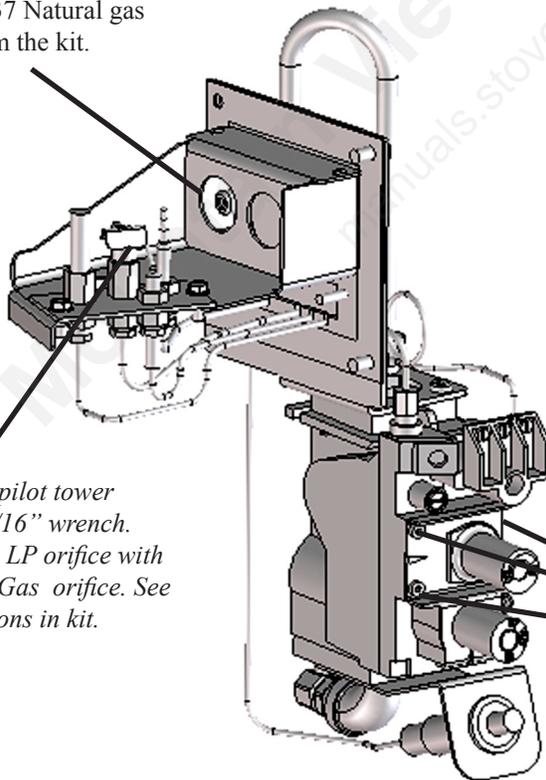
<b>0 Feet (rear Vent)</b>	<b>Open</b>
<b>6 feet</b>	<b>1/4 to Open</b>
<b>12 feet</b>	<b>1/4 to Open</b>
<b>24 feet</b>	<b>Closed to 1/2</b>
<b>36 feet</b>	<b>Closed to 1/2</b>

## Changing to Natural Gas



① Remove four bolts and remove burner module from stove.

② Use a 1/2" deep well socket to remove the LP #53 orifice and replace with the #37 Natural gas orifice from the kit.



③ Remove pilot tower with a 7/16" wrench. Replace LP orifice with Natural Gas orifice. See instructions in kit.

### Natural Gas Conversion Kit



NG Pilot Orifice



NG Orifice #37



NG Conversion label



NG Valve Conversion Module

**Natural Gas Kit**

**Part No. 1-00-09112**

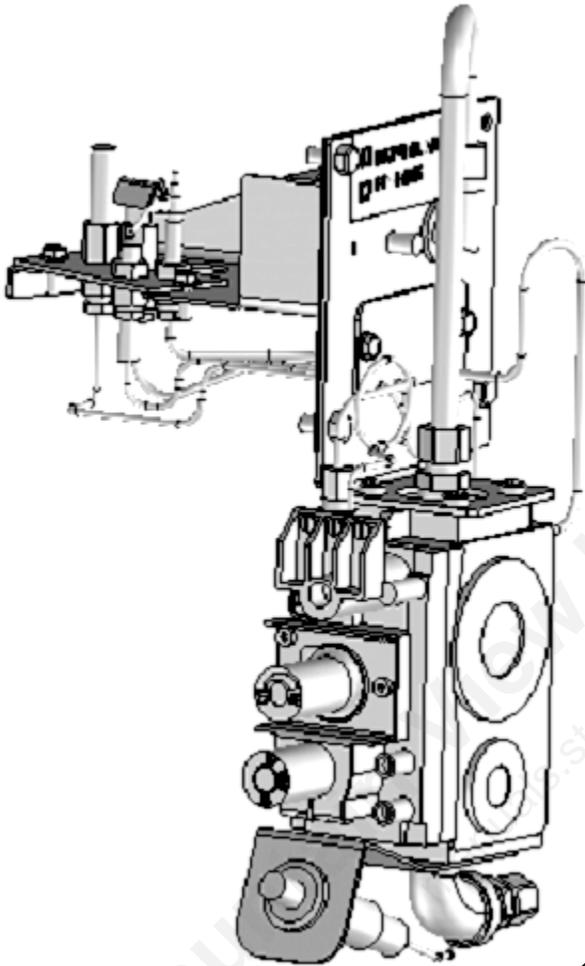
*This kit is only for use in the Conquest direct vent gas stove.*

④ Remove the three screws that hold the LP knob module in place. Remove the module and replace with the Natural gas module from the kit. See kit instructions.

5

Reinstall burner module back into the stove with the four bolts that were removed. Check gasket for damage and replace if necessary. Check for gas leaks when finished.

*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.*



6

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

7

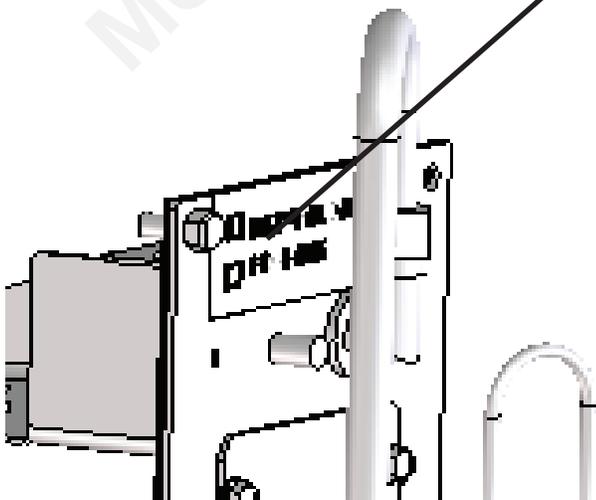
**Mark the proper box on the label with a permanent marker.**

**Note:** If no conversion is made, the box for propane must still be marked by the installer.

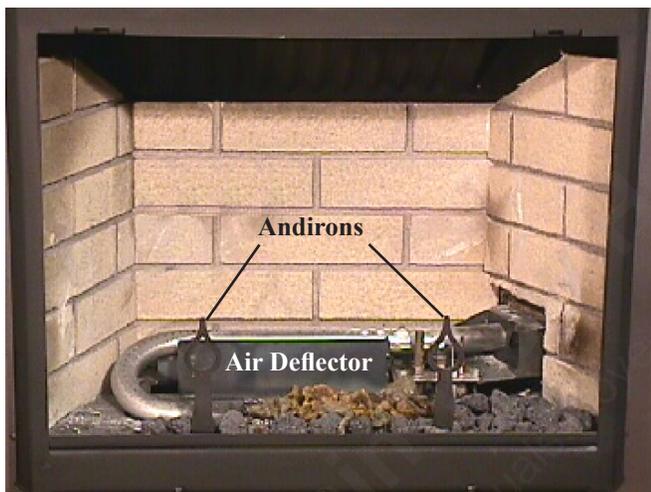
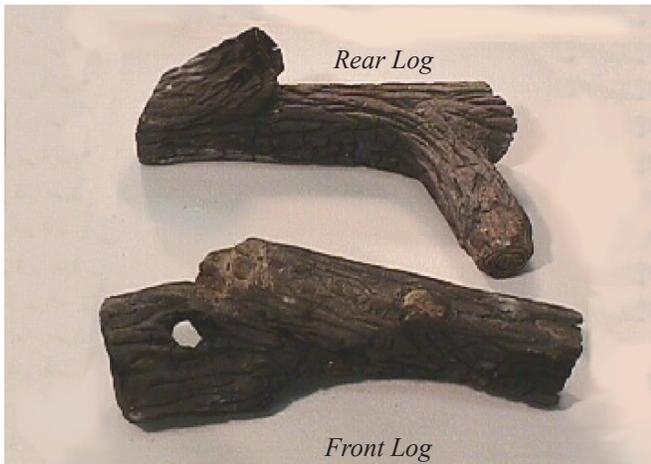
<input type="checkbox"/>	NATURAL GAS
<input checked="" type="checkbox"/>	PROPANE

9

*Verify gas inlet and manifold pressures are within the specifications on the appliance data plate located on the rear of the unit.*



## Log Placement



Place the rear log behind the front log with the branch resting on the front log on the right side as shown.

**Before lighting a fire check that the rear log is as far back against the rear wall as possible.**

**The front log should be slid rearward in it's position between the andirons and deflector plate.**



Place the front log as shown between the andirons and the air deflector.

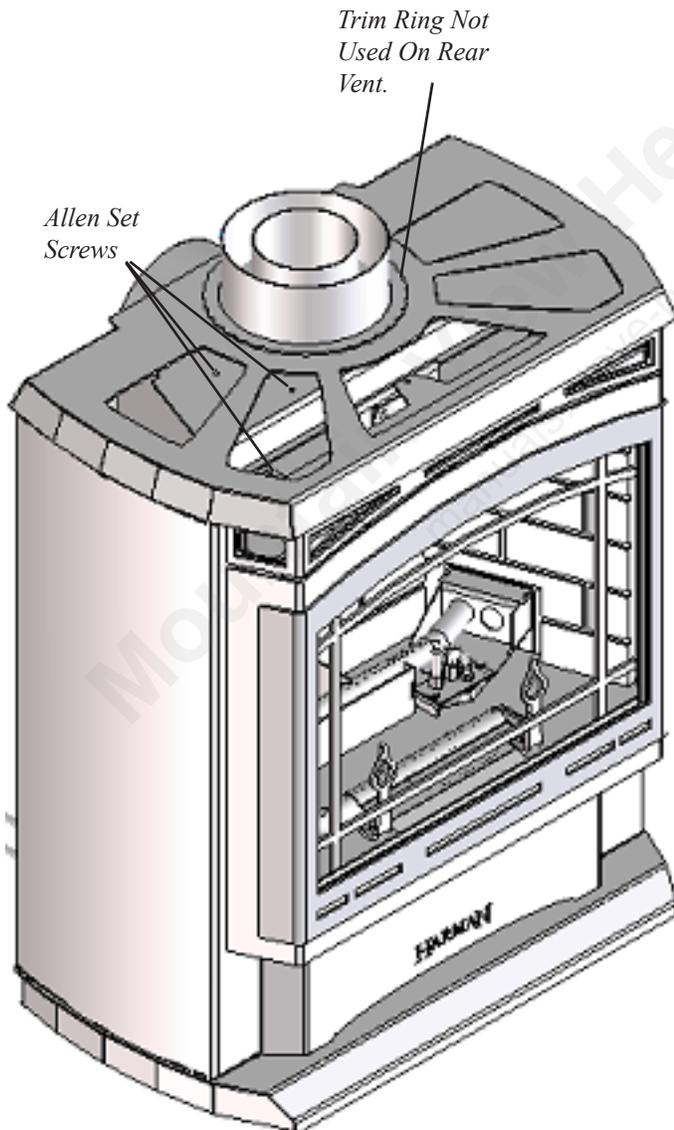
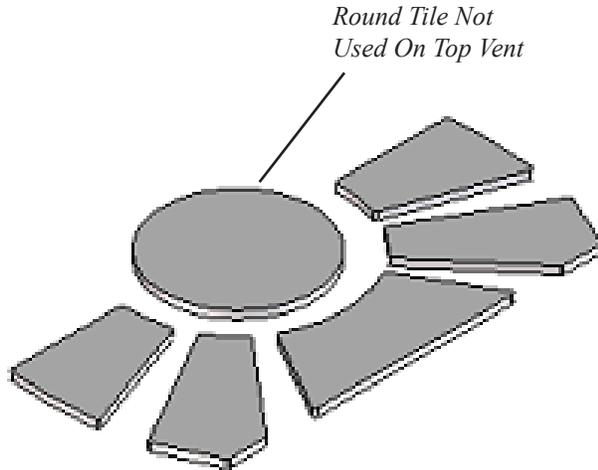
## Ember Placement

After the logs are positioned, place the embers as shown above.

There are two types of embers supplied. One is a wool like material and the other like a nugget.

The wool is to be placed on the screen by pulling small pieces from the bunch with your fingers or a tweezers. Place the wool lightly on the screen over the horse shoe tube area. Be careful not to compact the wool. The looser and fluffier the better. The placement and density of the wool changes the front flames and glowing embers. You can try different placement to get the look you prefer.

Place nuggets where desired elsewhere in front of the log.



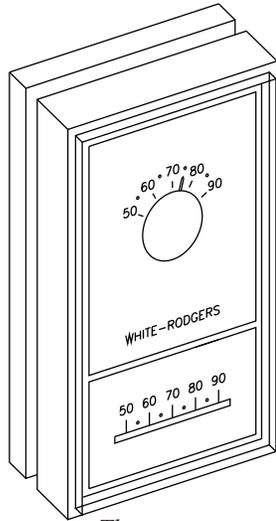
## Tile Kit

Each tile kit contains six tiles and fifteen allen-set screws. If the Conquest is installed as a top vent, then the round tile is not used. If it is installed as a rear vent, then the trim ring is not used.

## Installing Tiles

Below each tile opening are three threaded holes. In some cases it may be helpful to remove extra paint from the treads with a 1/4-20 tap.

1. Screw the set screws down until the top of the screw is about the thickness of the tile below the top surface.
2. Place the proper tile in the opening.
3. Observe the level of the tile. If the level of the tile is not satisfactory, remove the tile by pressing down on one of the corners and adjust set screws accordingly.



Thermostat



Burner Button

### Connecting the Optional Thermostat

If the optional thermostat is used, it must be plugged into the TH terminals located on the valve.

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

Maximum Length	Wire Gauge
100'	14
60'	16
40'	18
25'	20
15'	22

### Remote Control Kit

The button on the remote control can be used to turn the fire on and off.

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

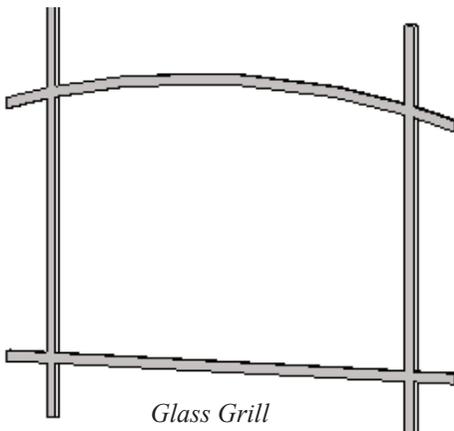
The kit includes installation instructions, a hand held sending unit, receiving unit, mounting bracket, and all wiring.

Note: The ON/OFF switch must be "OFF" when using the remote or a thermostat. If the switch is in the "ON" position, the fire will stay on even when the set temperature on the thermostat is reached.

### Glass Grill

To install the glass grill remove the door and slide the top of the vertical bars up into the slots at the top of the firebox opening. Lower the grill down so the bottom of the vertical bars rest just inside the lip at the bottom of the firebox opening.

Reinstall door.

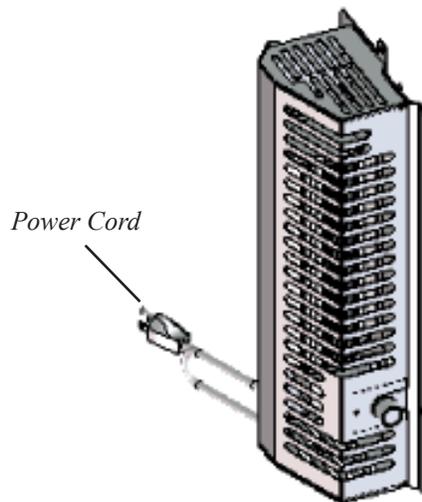


Glass Grill

## Optional Blower

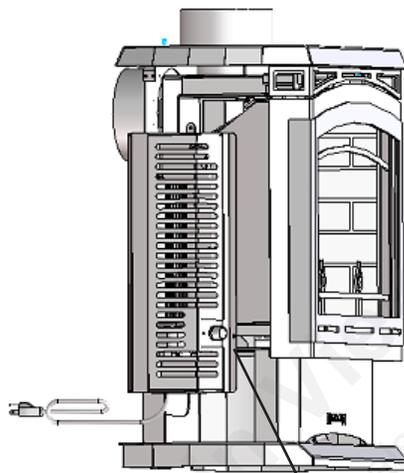
The Blower Kit (Part # 1-00-09102) includes a blower assembly ready to bolt to the left side of the stove and a blower chamber cover.

The blower has a variable speed control knob to adjust the blower speed as desired. A special switch is used to automatically start the blower when the stove temperature is hot enough to blow warm air. This switch will also stop the blower when the stove temperature drops below the point that warm air is available.

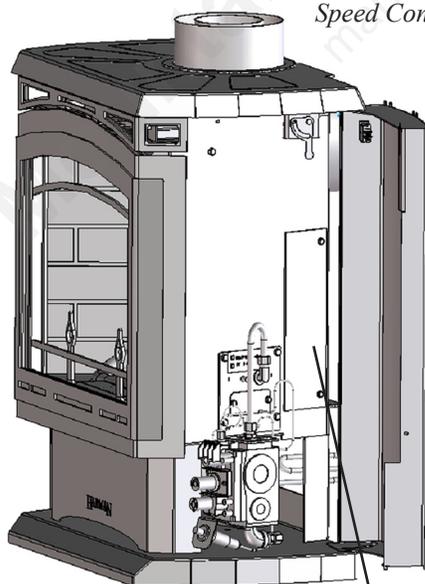


Power Cord

Blower Assembly



Speed Control Knob



Blower Chamber Cover

### Installation

1. Open the left side panel.
2. Remove the four screws from the left side of the firebox with a  $\frac{5}{16}$ " socket.
3. Place the blower as shown and start the top screw. This will hold the blower in place and make it easier to install the other three screws.
4. Route the power cord rearward between the side panel and the pedestal and plug into a 120 volt outlet.
5. Open the right side panel and remove the two screws on the right side of the firebox.
6. Use the two screws to fasten the blower chamber cover plate to the firebox. This plate prevents air from the blower from escaping the air chamber.
7. Close side panels.

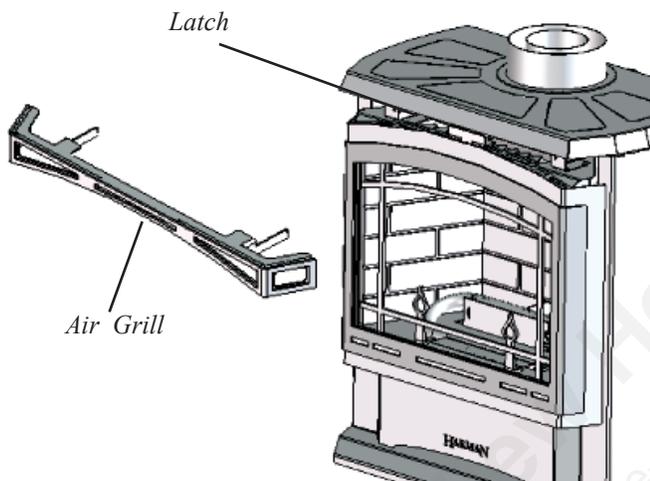
### Operation

Turn the speed control knob clockwise until it clicks. This is the full speed position. Turning the knob farther in the clockwise direction will gradually reduce the blower speed. To turn the blower "OFF" turn the knob counterclockwise until it clicks.

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

A qualified service person should conduct an annual inspection and maintenance of your Conquest, 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 door or side doors are removed for servicing, they must be replaced prior to operating the stove.



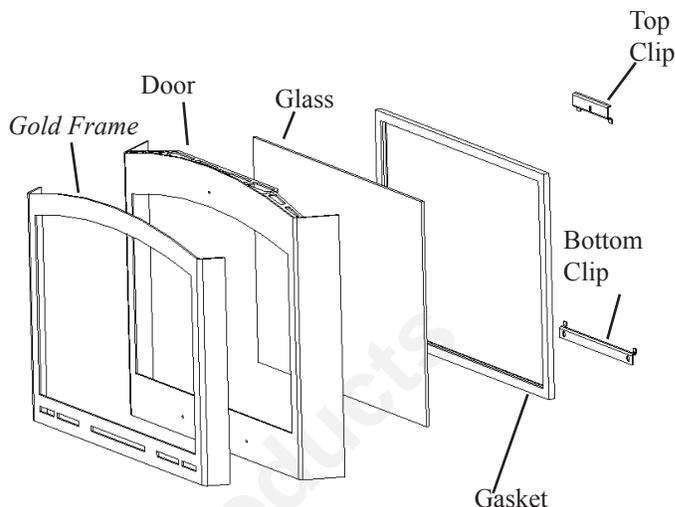
**CAUTION:** Do not operate this appliance with the glass front removed, cracked, or broken. Replacement of glass should be done by a licensed or qualified service person. Never use substitute materials.

**CAUTIONNER:** N'opère l'appareil avec le verre enlevé, craqué ou cassé. Le remplacement du panneau(s) devrait être fait par une personne de service qualifié ou autorisé.

### Removing the Glass Front

Remove the air grill by pulling forward.

Lift the latch shown above and tilt the glass door out at the top and lift off the hooks at the bottom. Handle the glass with care.



### DO NOT STRIKE OR SLAM GLASS Replacing the Gasket

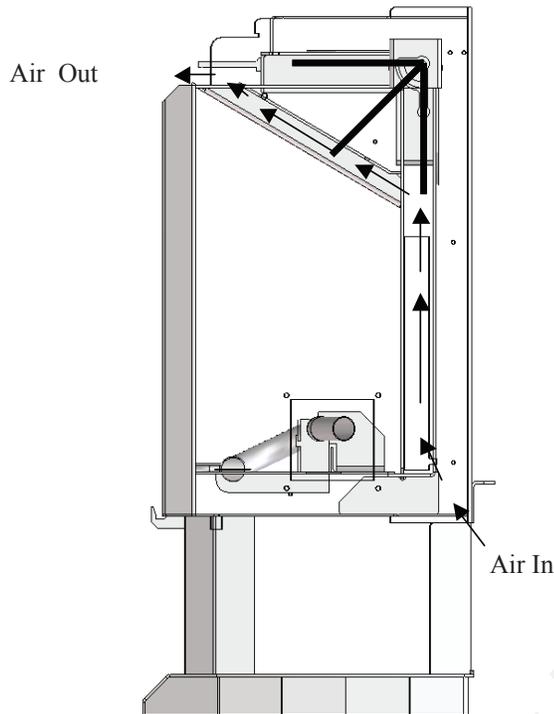
The Conquest uses part no. 3-44-00539 fiber-glass gasket in the front door. Should it ever need replacement, use only the proper replacement gasket that is available from your Harman dealer. Replace the gasket as follows:

1. Lay glass door face down on a soft surface that will not scratch the glass.
2. Remove the nuts holding the top and bottom glass clip in place.
3. Remove glass from door and remove old gasket.
4. Install new gasket around glass.
5. Place glass back in door.
6. Reinstall glass clips and tighten the nuts.
7. Reinstall glass door by placing the slots on the bottom of the door over the hooks on the bottom of the door opening. Next, lift the latch and push the door against the unit. Pull the spring loaded latch front until the tab drops into the slot on the door frame.
8. Reinstall air grill.

### 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.



**The flow of combustion and ventilation air must not be obstructed.**

**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 appliance be kept clean.**

**“If the vent/air intake system is disassembled for any reason, reinstall per the instructions provided for the initial installation.”**

### Inspecting the Venting

An inspection of both the inner and outer pipes of the venting system should be made during the annual service appointment. There must be 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.

### Air Flow

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

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

### Cleaning the Burners

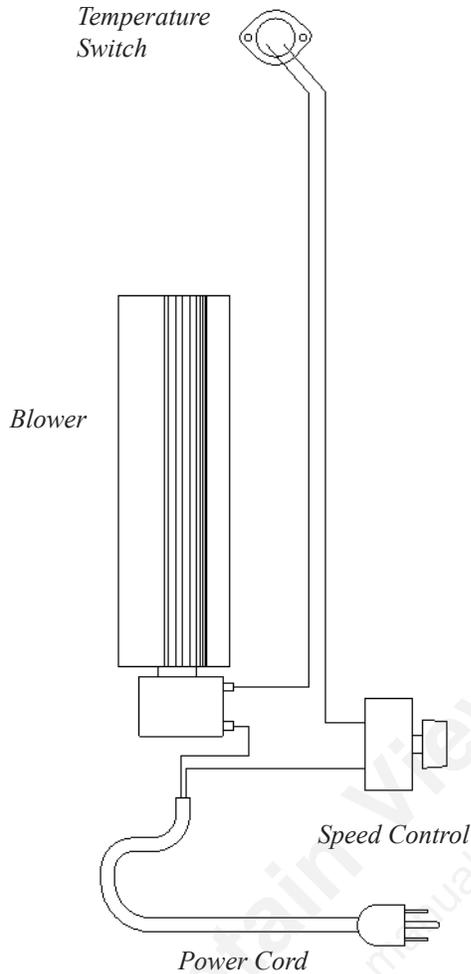
To clean the burners, you must remove the glass door, logs, and burner screen.

With these parts removed, inspect all 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 on the burner or screen.

Replace parts in reverse order.

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

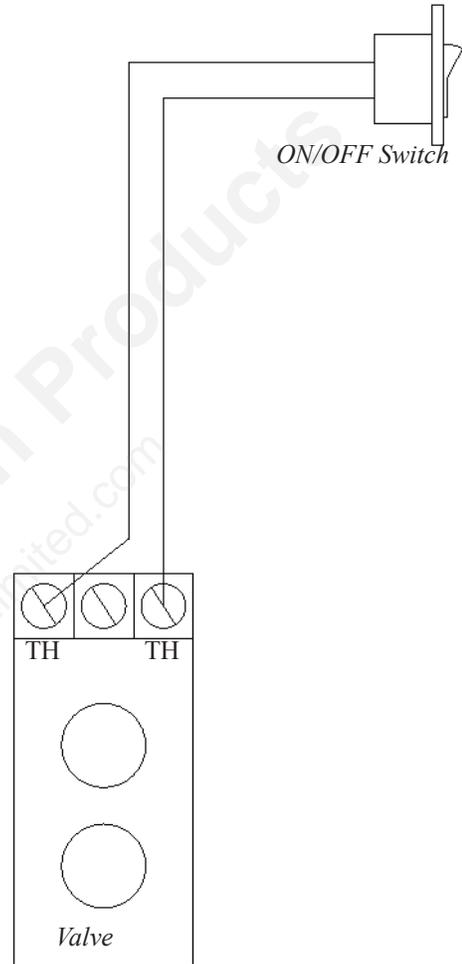
### Optional Blower Wiring Diagram ( 120 Volt )



**WARNING:** This heater is equipped with a three-pronged grounding plug that should be plugged directly into a properly grounded receptacle. Do not cut or remove the grounding prong from the plug.

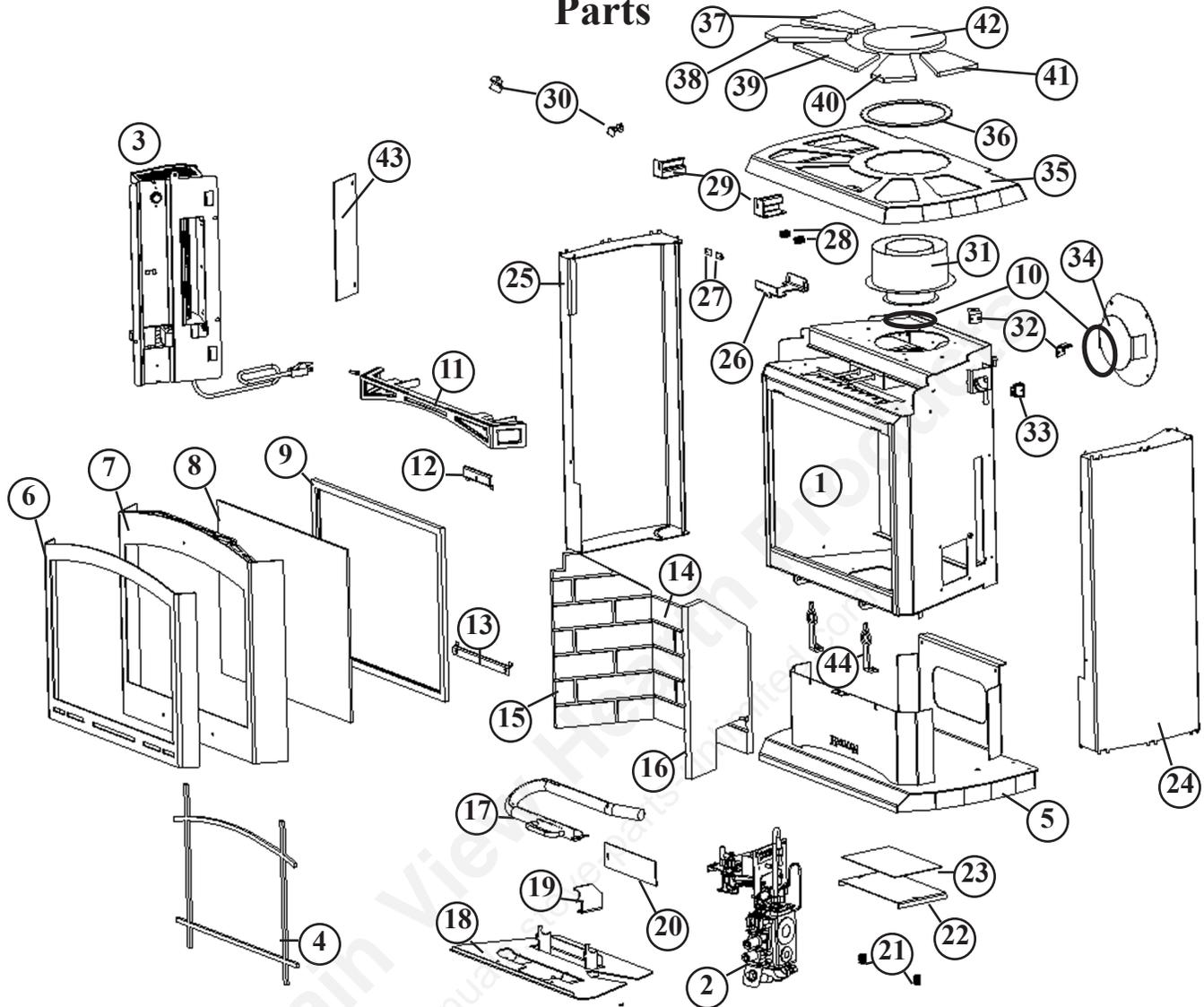
“Caution: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing”.

### Low Voltage Wiring Diagram



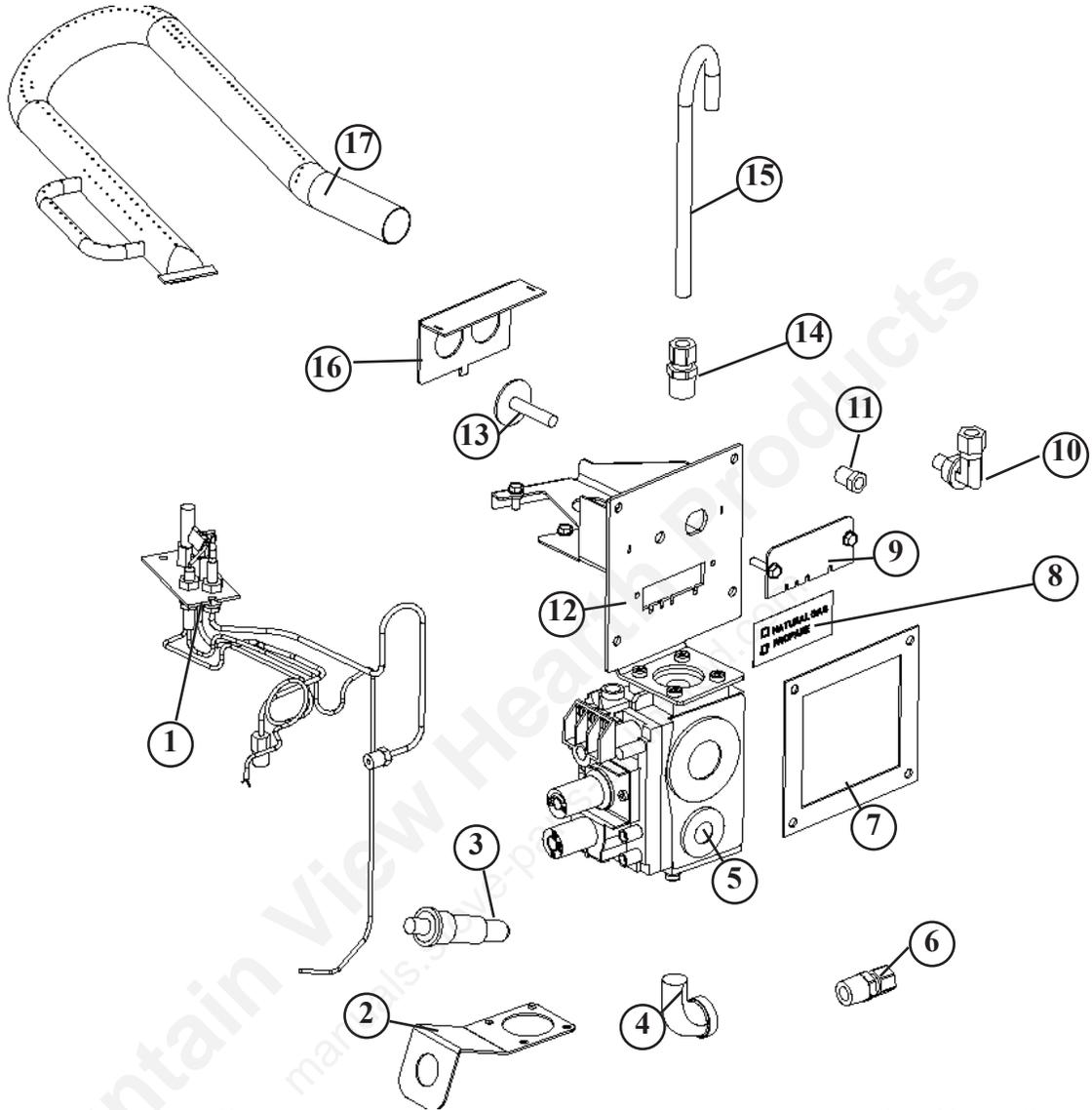
«ATTENTION. Au moment de l'entretien des commandes, étiquetez tous les fils avant de les débrancher. Des erreurs de câblage peuvent entraîner un fonctionnement inadéquat et dangereux. S'assurer que l'appareil fonctionne adéquatement une fois l'entretien terminé.»

## Parts

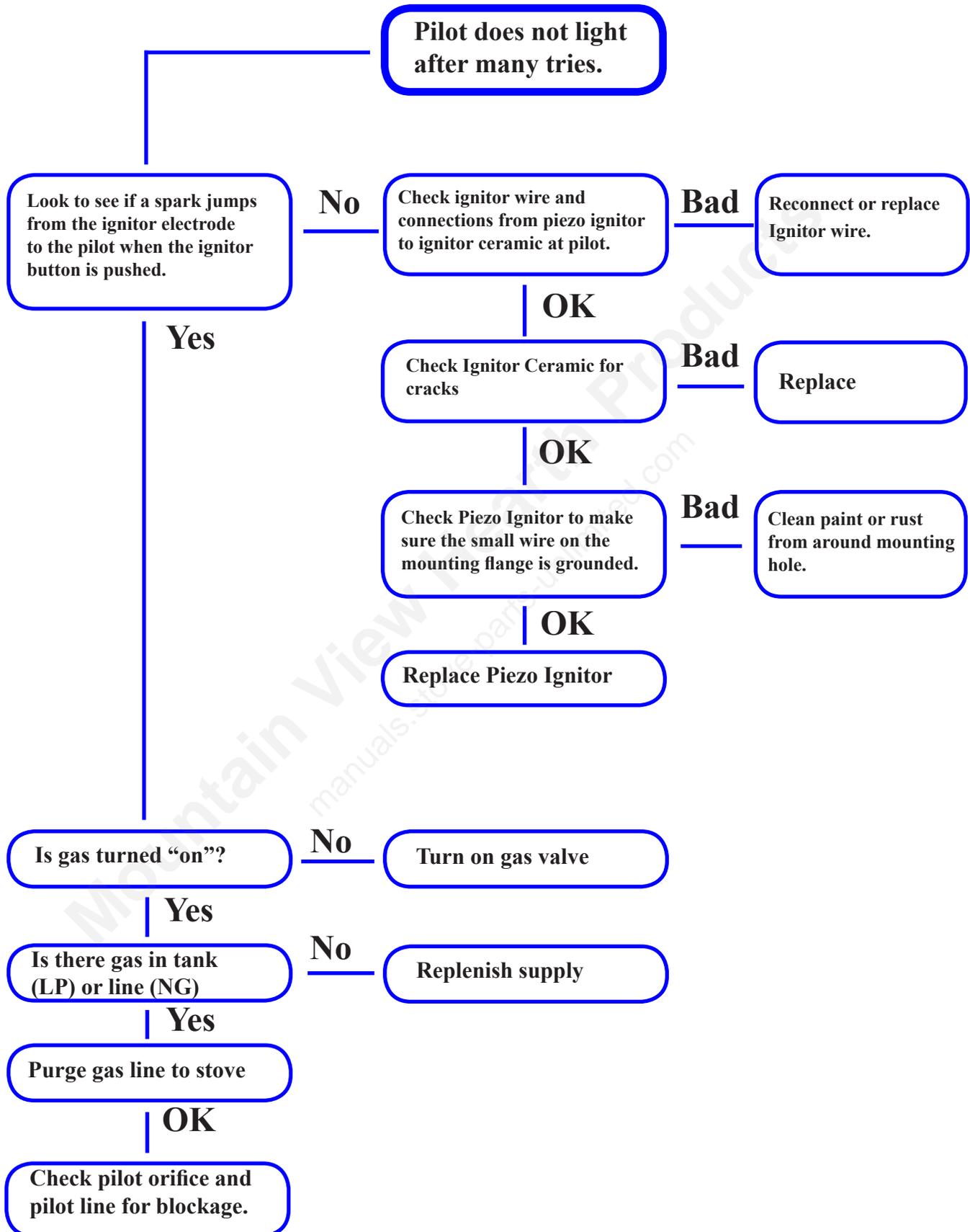


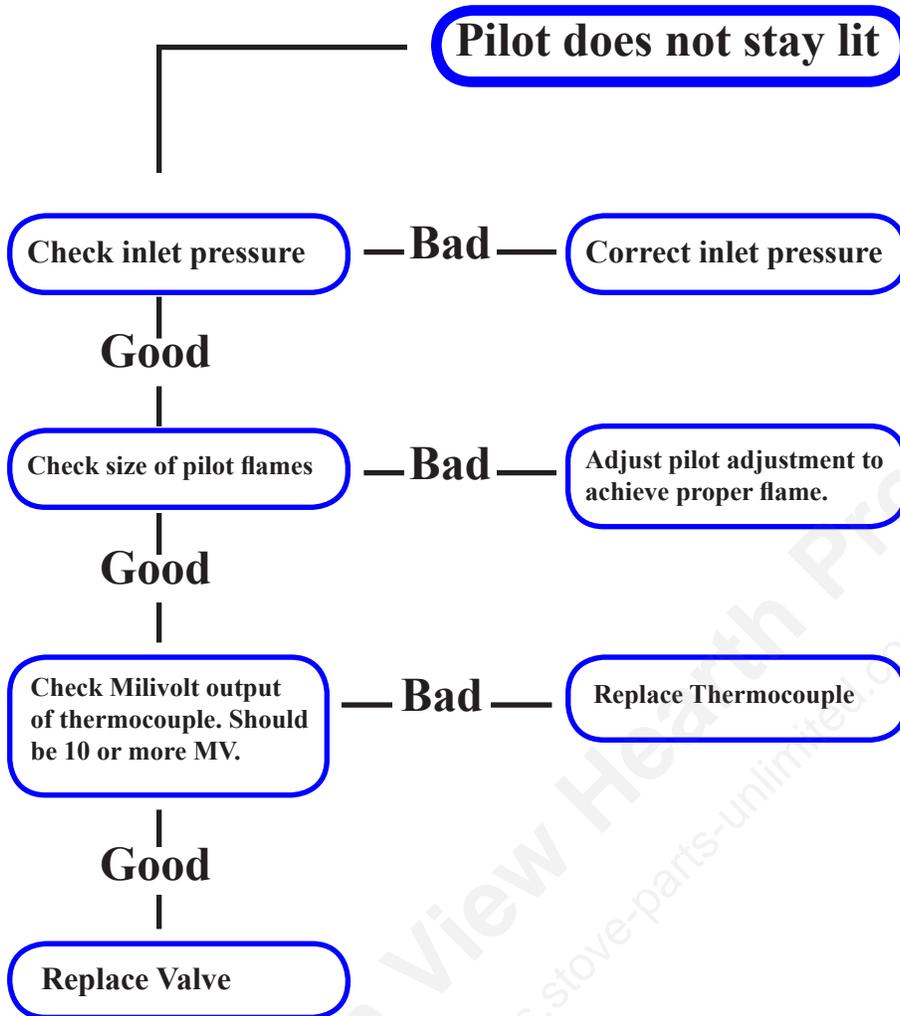
- |                |                        |                    |                             |
|----------------|------------------------|--------------------|-----------------------------|
| 1) 1-89-09100  | Body weldment          | 24) 1-10-73130     | Right side panel            |
| 2) 1-10-09100  | LP valve assembly      | 25) 1-10-73129     | Left side panel             |
| 3) 1-00-09102  | Optional blower        | 26) 2-00-73147     | Spring clamp                |
| 4) 1-00-09105  | Optional window grid   | 27) 2-00-73148     | Spring clips                |
| 5) 1-10-73102  | Pedestal weldment      | 28) 3-31-03291     | Door springs                |
| 6) 3-43-09100  | Gold door frame        | 29) 2-00-73143-1/2 | Left & right grill brackets |
| 7) 1-10-09108  | Door weldment          | 30) 2-00-73185     | Brick clips                 |
| 8) 3-40-09102  | Door glass             | 31) 3-40-3849239   | Flue collar                 |
| 9) 3-44-00539  | Glass gasket (7"/unit) | 32) 2-00-73156     | Top brackets                |
| 10) 3-44-08294 | Flue gaskets           | 33) 3-20-08220     | On/off switch               |
| 11) 3-43-09110 | Gold grill             | 34) 1-10-73149     | Flue cover weldment         |
| 12) 2-00-73137 | Top glass clip         | 35) 1-10-73152W    | Top weldment                |
| 13) 2-00-73138 | Bottom glass clip      | 36) 2-00-73168     | Flue ring                   |
| 14) 3-40-09107 | Rear brick panel       | 37) 3-43-09101-FL  | Far left tile               |
| 15) 3-40-09108 | Left brick panel       | 38) 3-43-09101-ML  | Middle left tile            |
| 16) 3-40-09109 | Right brick panel      | 39) 3-43-09101-C   | Center tile                 |
| 17) 3-40-09105 | Burner tube            | 40) 3-43-09101-MR  | Middle right tile           |
| 18) 1-10-73126 | Burner plate weldment  | 41) 3-43-09101-FR  | Far right tile              |
| 19) 2-00-73127 | Burner clamp           | 42) 3-43-09101-F   | Flue tile                   |
| 20) 2-00-73141 | Air guide              | 43) 2-00-73170     | Air jacket cover            |
| 21) 3-31-00521 | Relief door springs    | 44) 2-00-73154     | Andirons                    |
| 22) 2-00-73155 | Relief door            | 45) 3-20-09100     | Wiring harness (not shown)  |
| 23) 3-44-73133 | Relief door gasket     |                    |                             |

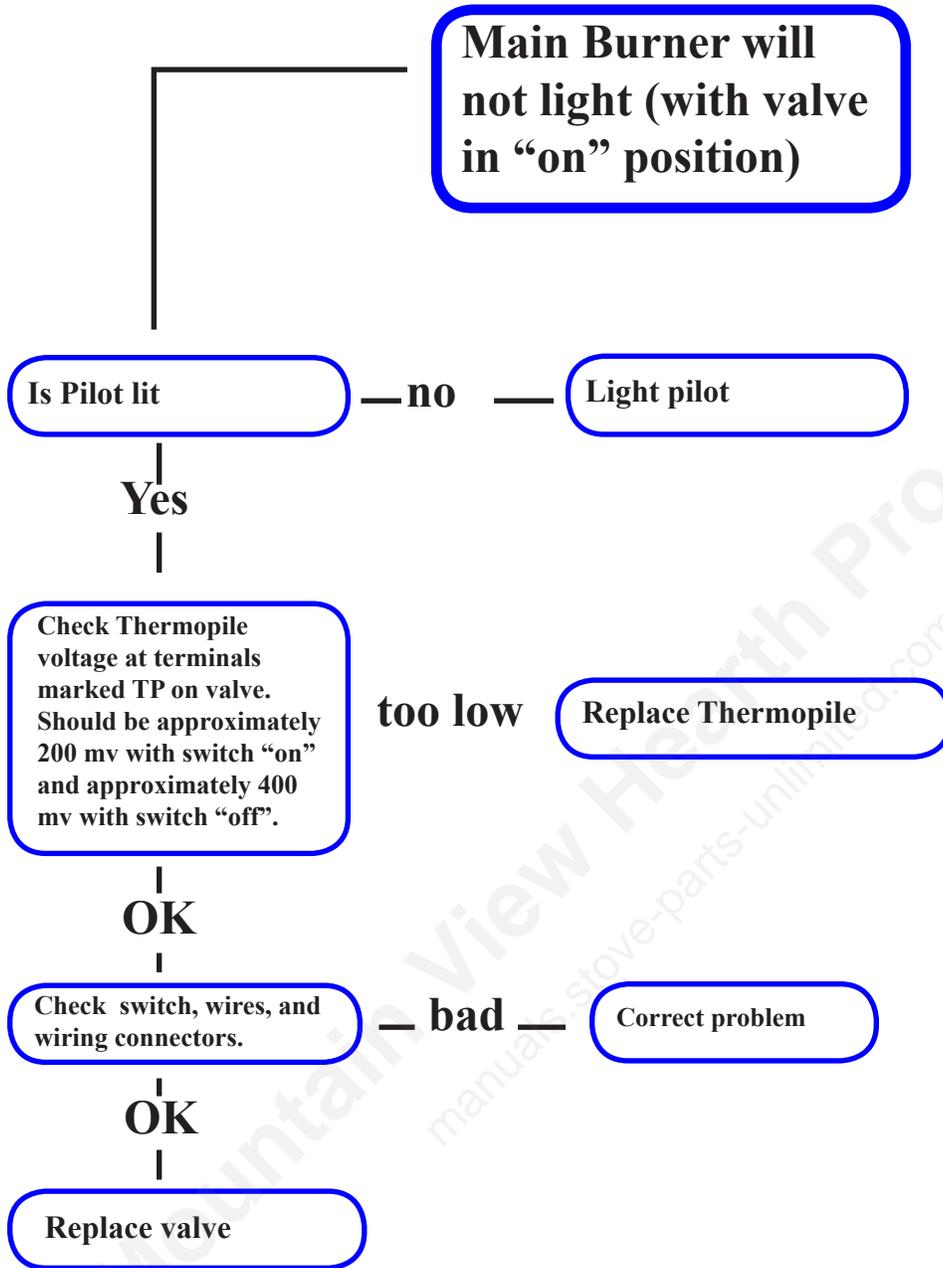
Burner Parts



- |               |                        |                    |                      |
|---------------|------------------------|--------------------|----------------------|
| 1) 3-40-08715 | LP pilot               | 10) 3-40-09210(A)  | Hood (orifice) elbow |
| 2) 2-00-73122 | Igniter mount          | 11) 3-40-09210(B)  | #53 hood (orifice)   |
| 3) 3-40-08220 | Igniter (piezo)        | 12) 1-10-73121     | Valve body weldment  |
| 4) 3-31-09100 | 90 degree street elbow | 13) 3-30-937161501 | 3/8" elevator bolt   |
| 5) 3-40-09106 | 50% turn down LP valve | 14) 3-31-08284     | 3/8" fitting         |
| 6) 3-31-08792 | 1/2" flare fitting     | 15) 3-50-02000     | Aluminum 'J' tube    |
| 7) 3-44-73174 | Valve gasket           | 16) 2-00-73124     | Box top              |
| 8) 3-90-4273  | Gas label              | 17) 3-40-09105     | Burner tube          |
| 9) 2-00-73125 | Sealer plate           |                    |                      |







**High altitude Conversion Label ( Canada )**

This appliance has been converted for use at an altitude of \_\_\_\_\_ Feet

Natural 37

Propane 54

Manifold Pressure 3.8 " WC  
Input (Btu/h) 27,500

11" WC  
27,500

Converted By \_\_\_\_\_ Date \_\_\_\_ / \_\_\_\_ / \_\_\_\_

**Optional Blower Label**

A BLOWER KIT, PART NUMBER 1-00-09102, MANUFACTURED BY HARMAN STOVE COMPANY, MAY BE USED WITH THIS CONQUEST DIRECT VENT GAS STOVE.

Listed Direct Vent Gas Fireplace Heater  
Radiateur Ventilé

**Model: Conquest 727**

WHI # \_\_\_\_\_

*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)	29000	29000
Min. Input Rating (Btu/hr)(0-4500 ft.)(0-1375 m)	14900	14100
Orifices (DMS)(0-4500 ft.)(0-1375 m)	37	53
Manifold Pressure (in w.c./kPa)	3.8/95	11.0/2.75
Min. Manifold Pressure (in w.c./kPa)	1.1/.27	2.8/.7
Min. Inlet Pressure (in w.c./kPa)	5.0/1.25	11.5/2.87
Max. Output (Btu/hr)(0-4500 ft.)(0-1375 m) (Blower Off)	21375	21854

**MINIMUM CLEARANCES FROM COMBUSTIBLE CONSTRUCTION**

Unit to corner walls	2 in.
Unit to side wall	8 in.
Unit to back wall	3 in.
Unit to alcove ceiling	16 in.
Maximum alcove depth	16 in.
Electrical Rating:	120 Volts, 60 Hz, > .7 AMP

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

Manufactured by Harman Stove Company  
352 Mountain House Road, Halifax, PA 17032

**HARMAN GOLD WARRANTY**  
**6 YEAR TRANSFERABLE LIMITED**  
**WARRANTY (Residential)**  
**1 YEAR LIMITED WARRANTY (Commercial)**



Harman Stove Company warrants its products to be free from defects in material or workmanship, in normal use and service, for a period of 6 years from the date of sales invoice and for mechanical and electrical failures, in normal use and service, for a period of 3 years from the date of sales invoice.

If defective in material or workmanship, during the warranty period, Harman Stove Company will, at its option, repair or replace the product as described below.

The warranty above constitutes the entire warranty with respect to Harman Stove Company products. HARMAN STOVE COMPANY MAKES NO OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING "ANY" WARRANTY OF MERCHANTABILITY, OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. No employee, agent, dealer, or other person is authorized to give any warranty on behalf of Harman Stove Company. This warranty does not apply if the product has been altered in any way after leaving the factory. Harman Stove Company and its agents assume no liability for "resultant damages of any kind" arising from the use of its products. In addition, the manufacturer and its warranty administrator shall be held free and harmless from liability from damage to property related to the operation, proper or improper, of the equipment.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

THESE WARRANTIES APPLY only if the device is installed and operated as recommended in the user's manual.

THESE WARRANTIES WILL NOT APPLY if abuse, accident, improper installation, negligence, or use beyond rated capacity causes damage.

HOW TO MAKE A CLAIM - Any claim under this warranty should be made to the dealer from whom this appliance was purchased. Then contact is made with manufacturer, giving the model and serial numbers, the date of purchase, your dealer's name and address, plus a simple explanation of the nature of the defect. Extra costs such as mileage and overtime are not covered. Nuisance calls are not covered by these warranties.

THIS WARRANTY IS LIMITED TO DEFECTIVE PARTS - REPAIR AND/OR REPLACEMENT AT HARMAN STOVE COMPANY'S OPTION AND EXCLUDES ANY INCIDENTAL AND CONSEQUENTIAL DAMAGES CONNECTED THEREWITH.

WARRANTY EXCLUSIONS: Failure due, but not limited to, fire, lightning, acts of God, power failures and/or surges, rust, corrosion and venting problems are not covered. Damage and/or repairs including but not limited to; remote controls, filters, fuses, knobs, glass, ceramic brick panels, ceramic fiber afterburners, door packing, tile, ceramic log sets, paint, batteries or battery back-up and related duct work are not covered. Also excluded from this warranty are consumable or normal wear items including but not limited to; flame guides, grates, coal bars, afterburner hoods, fire brick, gaskets. Additional exclusions for corn stoves are burnpot housing weldment, burnpot grate weldment (pellet or corn), burnpot front plate (pellet or corn), burnpot front plate lock, corn auger extension, ceramic insert, and ceramic insert plate. Additional or unusual utility bills incurred due to any malfunction or defect in equipment and the labor cost of gaining access to or removal of a unit that requires special tools or equipment are not covered. Maintenance needed to keep the stove in "good operating condition" is not covered. This includes, but is not limited to, cleaning, adjustment of customer controls and customer education. Labor, materials, expenses and/or equipment needed to comply with law and/or regulations set forth by any governmental agencies are not covered.

This Warranty provides specific legal rights and the consumer may have other rights that vary from state to state.

In the event of change in ownership, the remaining portion of this warranty may be transferred to the new owner by sending the new owner information and a transfer fee of \$25.00 US to the Harman Stove Company.

PLEASE READ THE LITERATURE BY THE MANUFACTURER FOR THE VARIOUS ACCESSORY DEVICES. THE MANUFACTURER WARRANTS THESE ACCESSORY DEVICES, NOT HARMAN STOVE COMPANY OR THEIR WARRANTY ADMINISTRATOR. FURTHERMORE, THESE ACCESSORY DEVICES MUST BE INSTALLED AND USED ACCORDING TO THE RECOMMENDATIONS OF THE MANUFACTURER.

REMEDIES - The remedies set forth herein are exclusive and the liability of seller with respect to any contract or sale or anything done in connection therewith, whether in Contract, in tort, under any warranty, or otherwise, shall not, except as herein expressly provided, exceed the price of the equipment or part of which such liability is based.

CLARIFY - The above represents the complete warranty, which is given in connection with stoves, manufactured by Harman Stove Company. No other commitments, verbal or otherwise, shall apply except by a written addendum to this warranty.