

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)

ADVETISSEMENT: 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

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

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, l'essence ou autres liquides à vapeur inflammables loin 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 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 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.

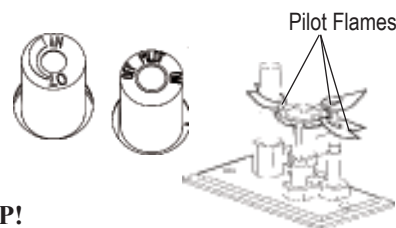
11. Turn the gas control knob counterclockwise to **"ON."**

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.

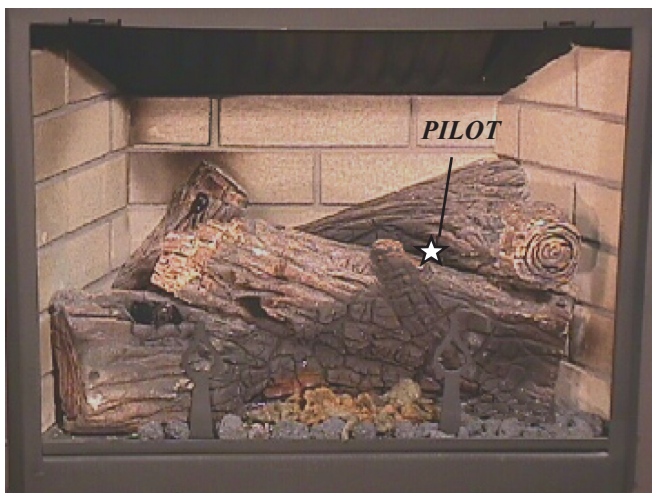
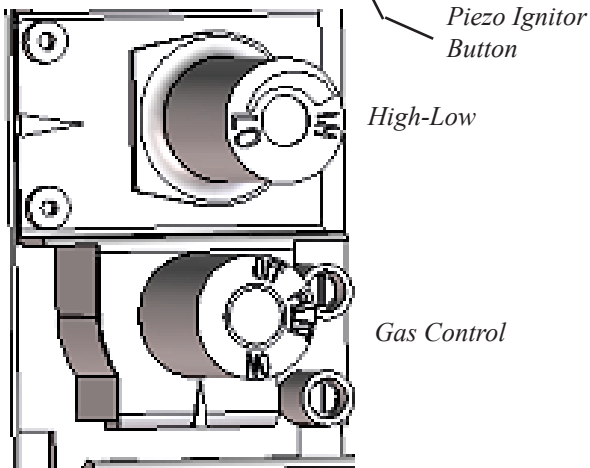
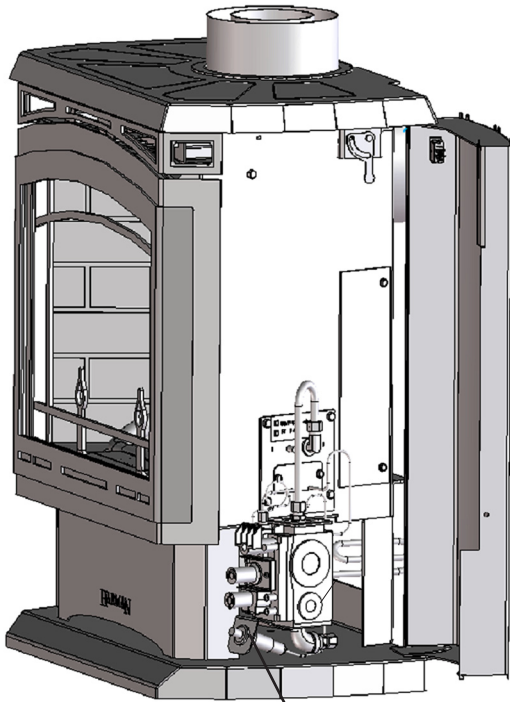
15. Set the **High-Low Regulator** to desired setting by turning fully counterclockwise for **High** and fully clockwise for **Low**.

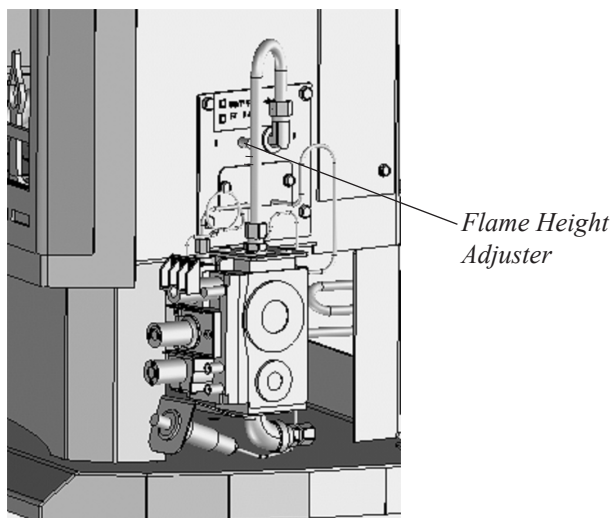


Operation

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.





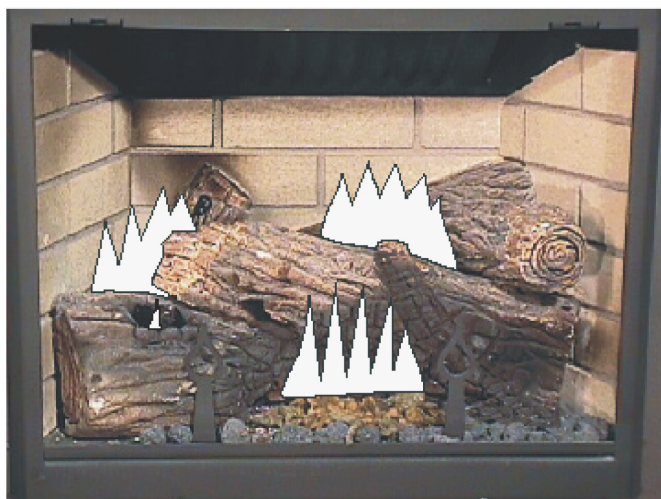
15. Set the High-Low Regulator to desired setting:
Turn fully counterclockwise for High and fully clockwise for Low. If using a Thermostat, keep on High setting.

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.



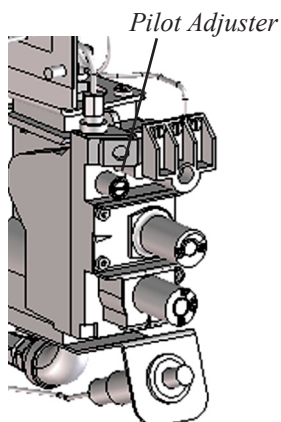
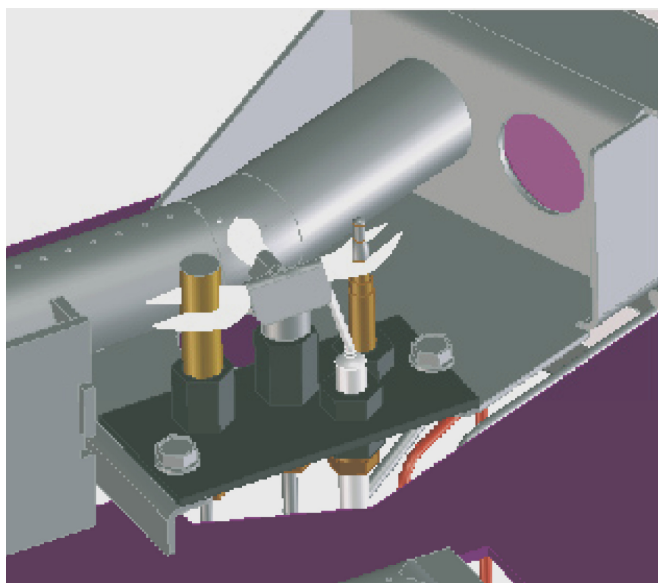
Normal Flame pattern. Note: Flames will vary in height and position depending on the placement and the amount of ember wool.

FLAME HEIGHT ADJUSTMENT

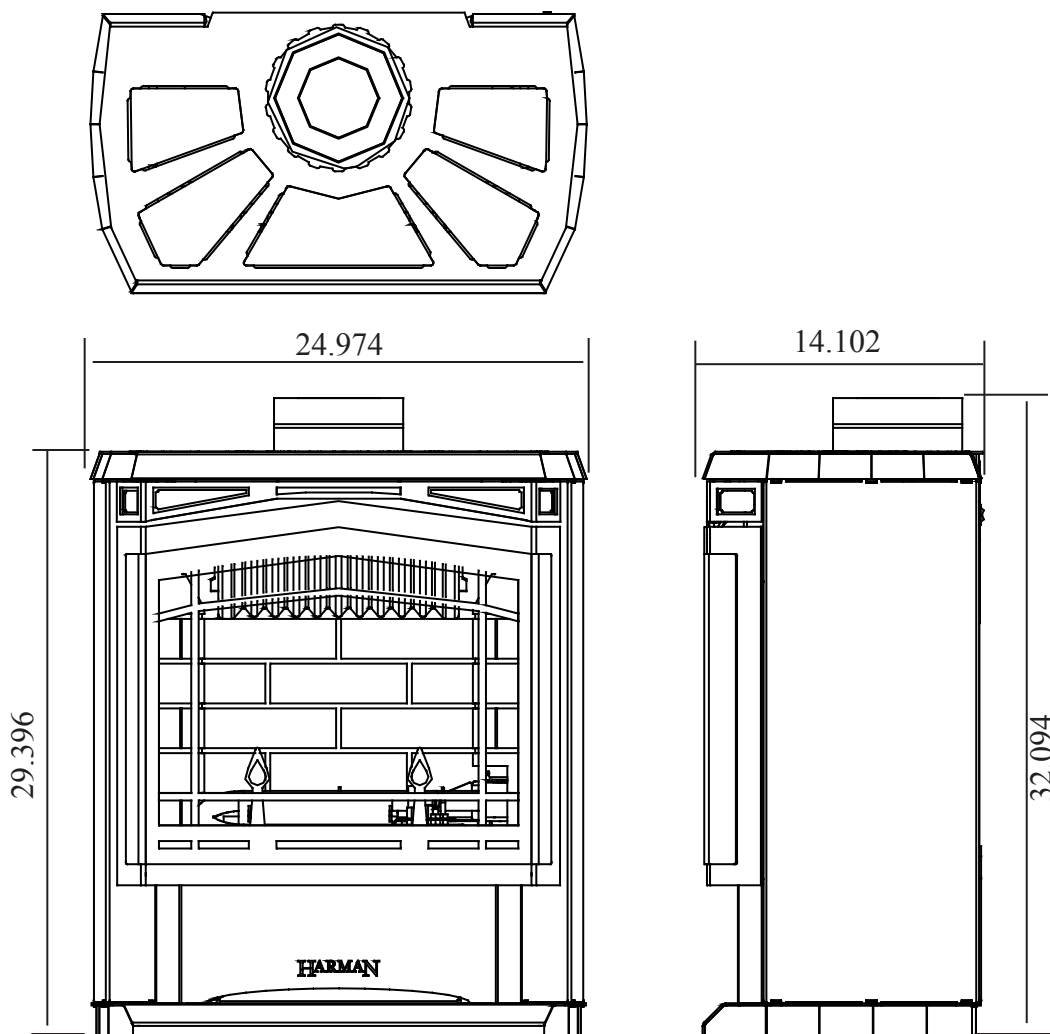
The flame height adjuster can be accessed by opening the right side panel. Turn the adjuster clockwise to increase flame height and counterclockwise to decrease. See above left. Adjusting the flames too high will cause them to have black tips and cause sooting. Sooting can cause the glass to get dirty.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



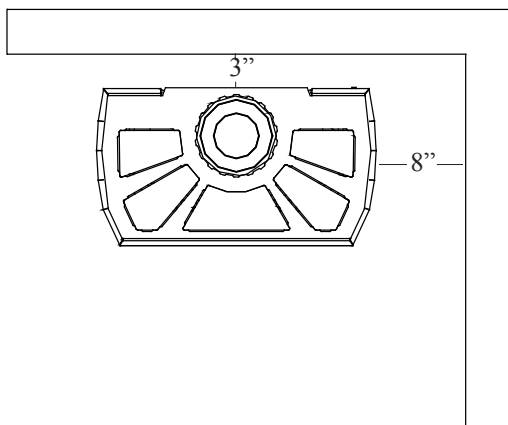
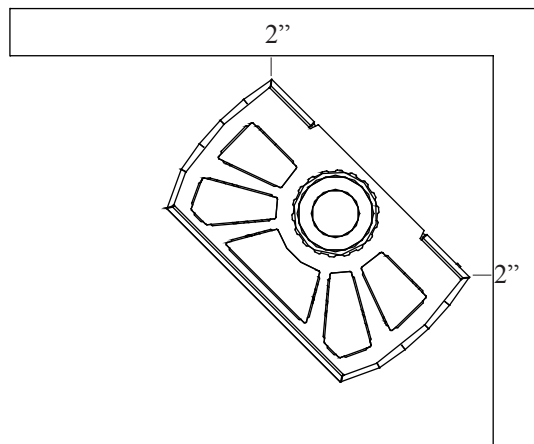
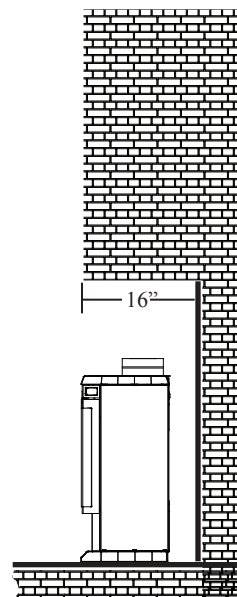
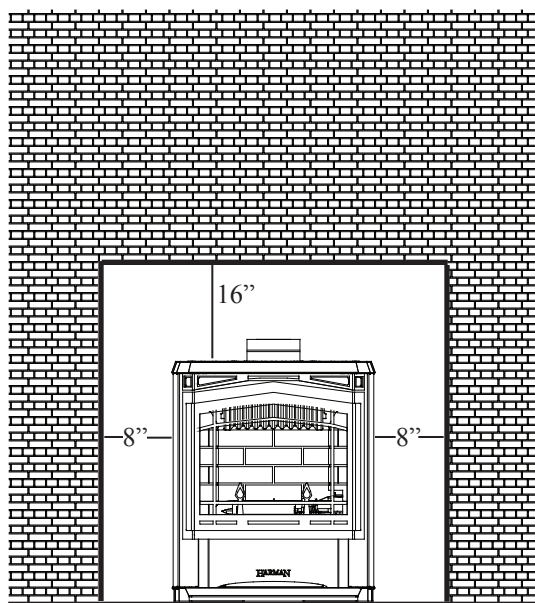
Warning: The unit and adjuster may be hot. Wear gloves and arm protection if making adjustments while in operation.



| 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

| 6-5/8 x 4 | 8" x 5" | Description |
|------------------------------------|----------------|--|
| 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"

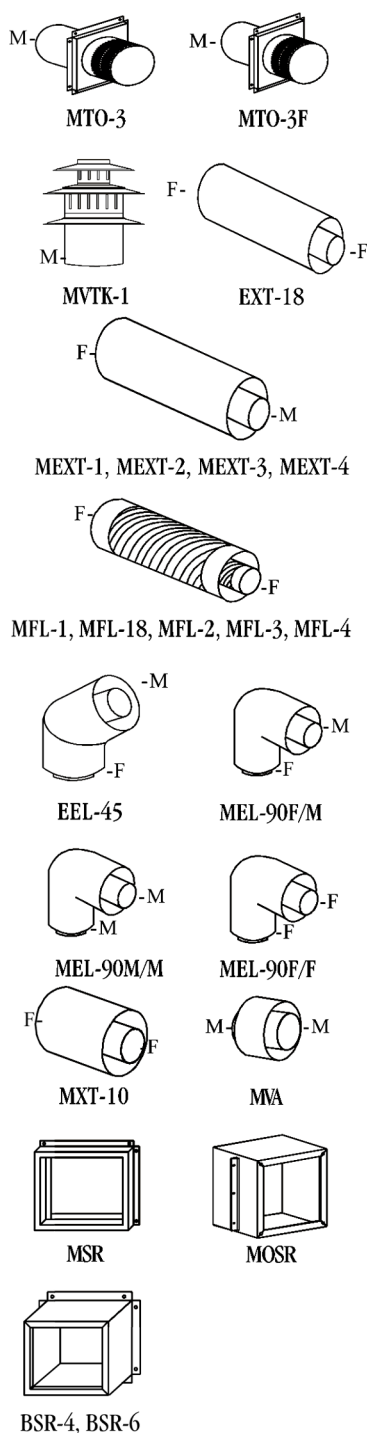
Cross Reference List

| Description | Secure Vent Cat No. | Simpson Dura-Vent Direct Vent GS Stock No. | Secure Vent Cat No. | Simpson Dura-Vent 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) **MT03**
 3" Termination, with integral mounting frame **MT03F**

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.

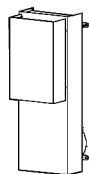
4" depth **BSR-4**

6" depth **BSR-6**

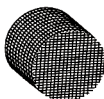
Montigo Direct Vent



Standard Series Direct Vent (4"/ 7")



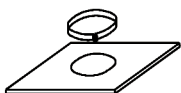
SNK47-2, SNK47-3



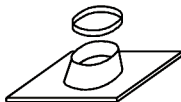
MTKOG



FS-7 (7" Firestop)



MSPXT-7(7" Support Plate)



MRF-7, MRF-12

Description

Order Code

SNORKEL TERMINATIONS

18" vertical rise SNK47-2
30" vertical riseSNK47-3

HEAT GUARD

Fits all Standard Series (4/7") terminationsMTKOG

HEAT SHIELDS

Through-the-wall Radiation Shield for 4"/7" ventingRHS100
Vinyl Siding Shield Recommended for protecting vinyl siding RHS105
(above was Discontinued Replace with VSS)
Vinyl Siding Shield Recommended for protecting vinyl sidingVSS

VERTICAL INSTALLATION ACCESSORIES

7" FirestopFS7
7" Support plate & support ringMSPXT7
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 roofMRF-12
Flashing and storm collar for 7/12 to 12/12 pitch roof (Bulk pack of 6) ..MRF1206
Horizontal Vent Restrictors
For 8' - 14' horizontal vent runMHVR8
For 15' - 24" horizontal vent runMHVR15
For 25' - 35' horizontal vent run MHVR25
Vent restrictors may not be required. Contact the factory for more information.
Vertical Vent Restrictors
For 8' - 14' vertical vent runMVVR8
For 15' - 24" vertical vent runMVVR15
For 25' or greater vertical vent runMVVR25
Vent restrictors may not be required. Contact the factory for more information.

MOBILE HOME KITS

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.

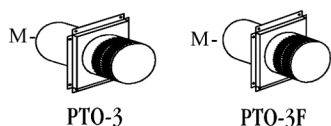
Montigo Direct Vent



Premium Series Direct Vent (5"/8")

Description

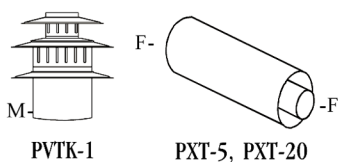
Order Code



HORIZONTAL TERMINATIONS

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

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



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/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

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

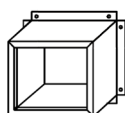
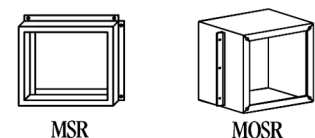
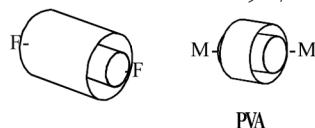
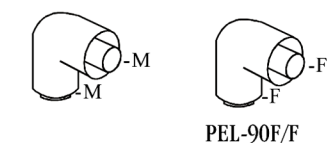
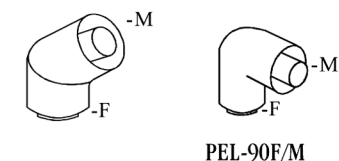
Used to provide installation of termination from the inside of the building.

Brick Siding Can

Used for installation of termination on brick wall.

4" depth BSR-4

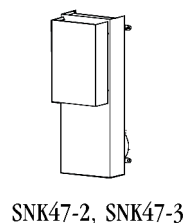
6" depth BSR-6



Montigo Direct Vent



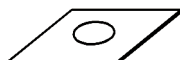
Premium Series Direct Vent (5"/8")



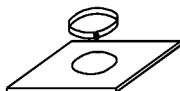
SNK47-2, SNK47-3

DVST-CNT
(Insulated Offset Box)

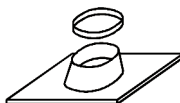
PTKOG



PS-8 (8" Firestop)



PSPXT-8 (8" Support Plate)



PRF-7, PRF-12

DescriptionOrder Code**SNORKEL TERMINATIONS**

18" vertical riseSNK58-2
30" vertical riseSNK58-3

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.) terminationsPTKOG

HEAT SHIELDS

Through-the-wall Radiation Shield for 5"/8" ventingRHS101
Vinyl Siding Shield Recommended for protecting vinyl sidingRHS105
Discontinued Replace with VSS
Vinyl Siding Shield Recommended for protecting vinyl siding VSS

VERTICAL INSTALLATION ACCESSORIES

8" FirestopPS8
8" Support plate & support ringPSPXT-8
8" Support plate & support ring (Bulk pack of 6)PSP806
Flashing and storm collar for 1/12 to 7/12 pitch roofPRF7
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 roofPRF12
Flashing and storm collar for 7/12 to 12/12 pitch roof (Bulk pack of 6)PRF1206
Horizontal Vent Restrictors
For 8' - 14' horizontal vent run PHVR8
For 15' - 24" horizontal vent runPHVR15
For 25' - 35' horizontal vent runPHVR25
Vent restrictors may not be required. Contact the factory for more information.
Vertical Vent Restrictors
For 8' - 14' vertical vent runPVVR8
For 15' - 24" vertical vent runPVVR15
For 25' or greater vertical vent runPVVR25
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. |
| Longueurs | Lengths | | |
| 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 |
| Coudes | Elbows | | |
| 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 |
| Supports et coupe-feux | Supports & Firestops | | |
| 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 |
| Chapeaux | Terminations | | |
| 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 |
| Solins et collets | Flashing and collar | | |
| 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 |
| Accessoires | Accessories | | |
| 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 $\frac{5}{8}$ " 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.



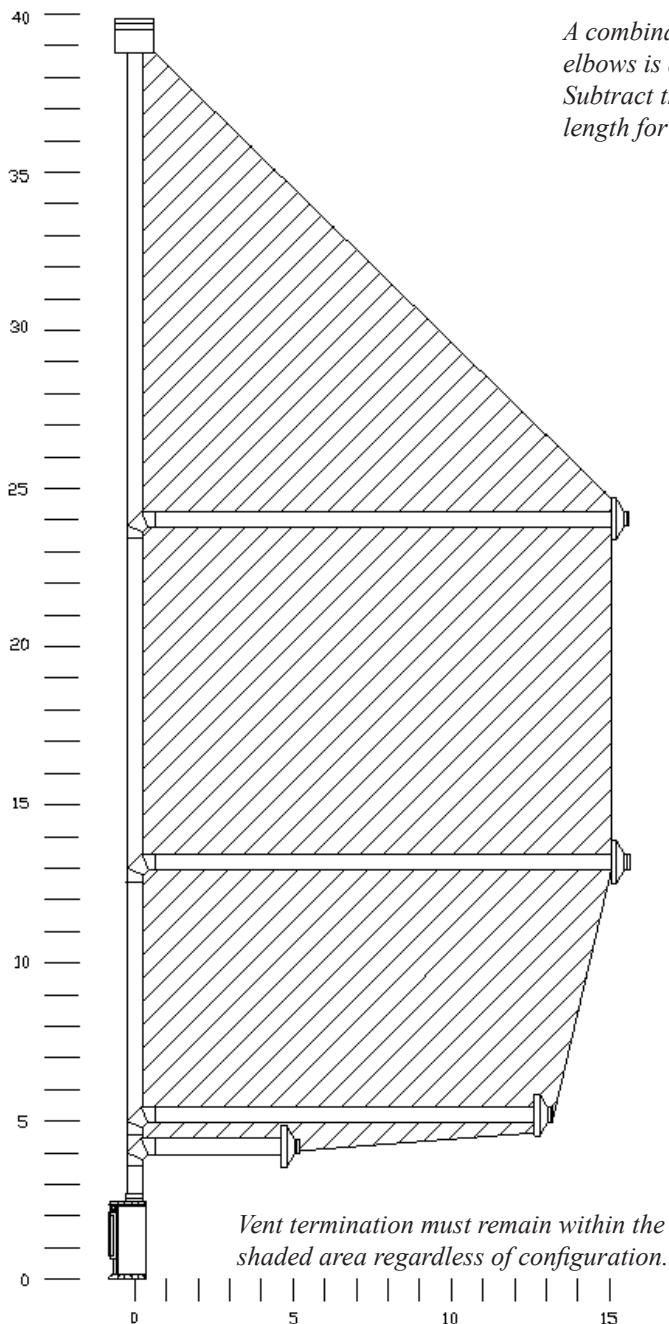
Maximum of two 90° elbows allowed.

Subtract five feet of total horizontal pipe length for second elbow.



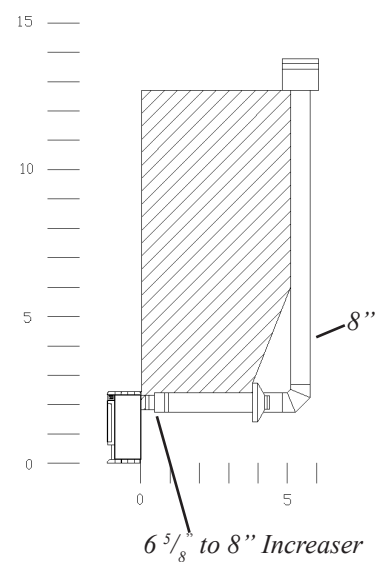
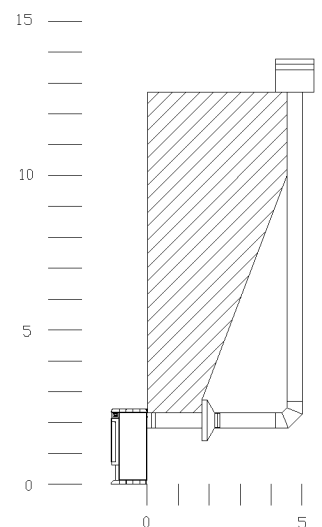
A combination of one 90° elbow and two 45° elbows is allowed.

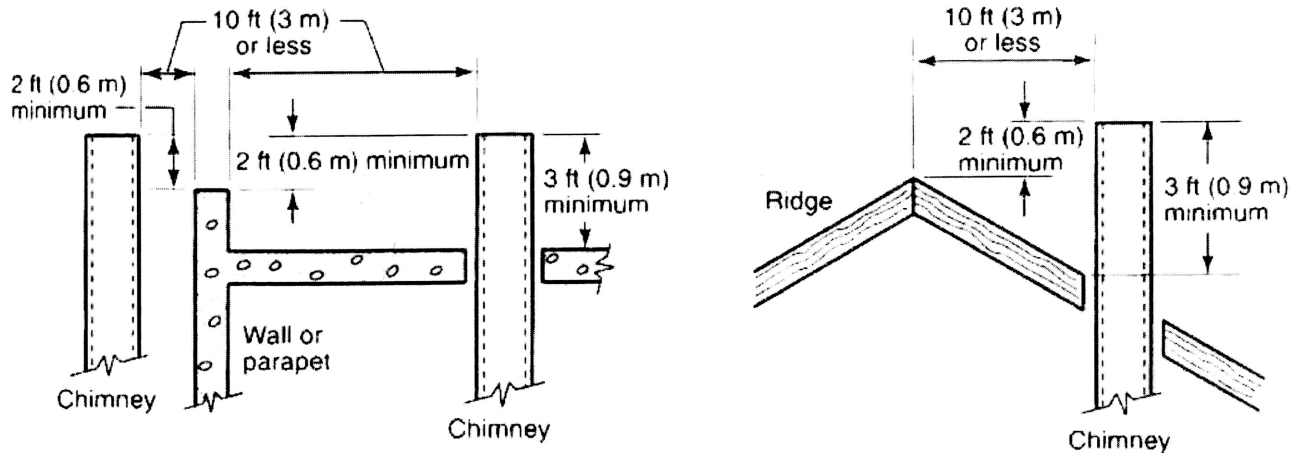
Subtract three feet of total horizontal pipe length for each 45° elbow used.



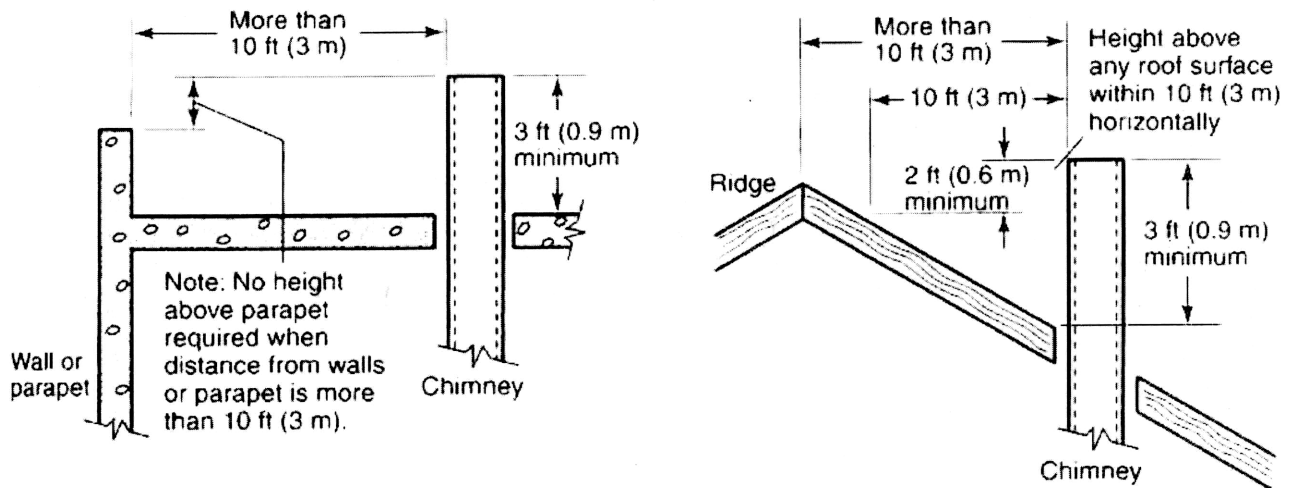
Rear Vent

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



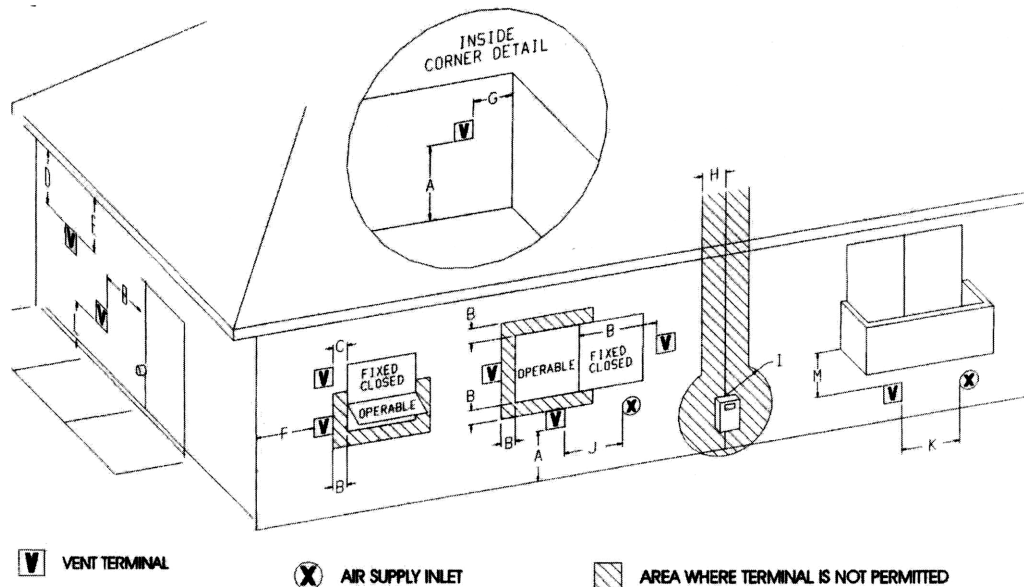


(a) Termination 10 ft. (3 m) or less from ridge, wall, or parapet



(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 ¹ | US Installations ² |
|----|--|---|--|
| 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) ‡ | * |

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;

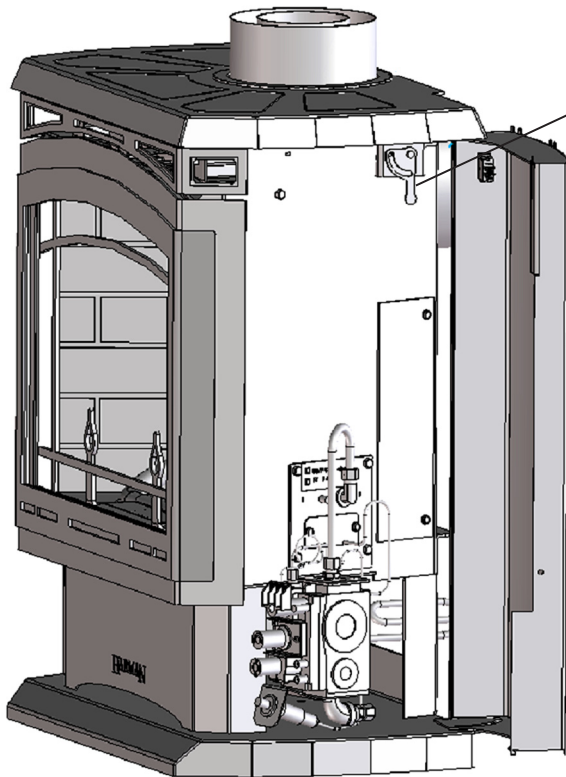
b) A reference to the following footnote:

“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»

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.

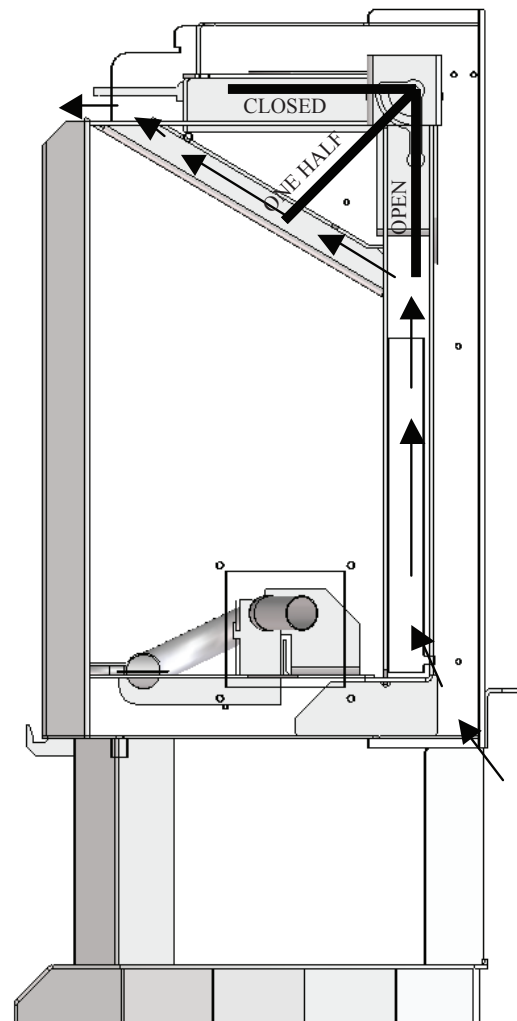
A vent damper is provided to allow fine tuning of the draft. Too little draft will cause flames to be too long with black tips and too much draft will cause flames to be short and blue.

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.

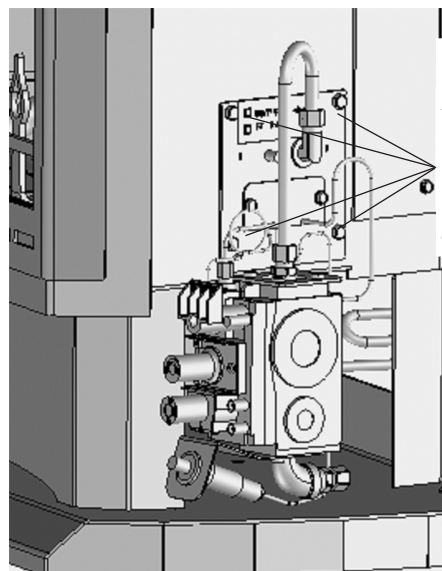
Range Of Approved Damper Settings

Natural Gas or Propane

| | |
|---------------------------|----------------------|
| 0 Feet (rear Vent) | Open |
| 6 feet | 1/4 to Open |
| 12 feet | 1/4 to Open |
| 24 feet | Closed to 1/2 |
| 36 feet | Closed to 1/2 |

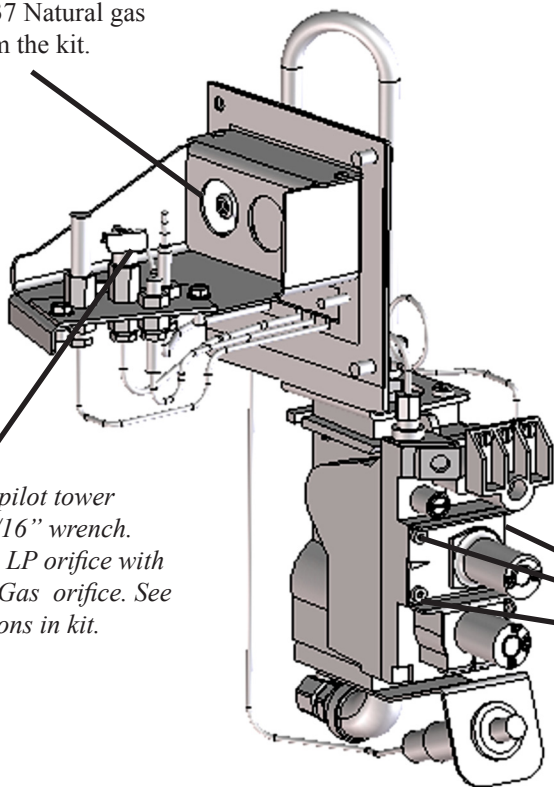


Changing to Natural Gas



- 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



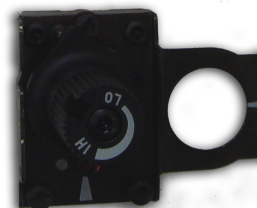
NG Pilot Orifice



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.

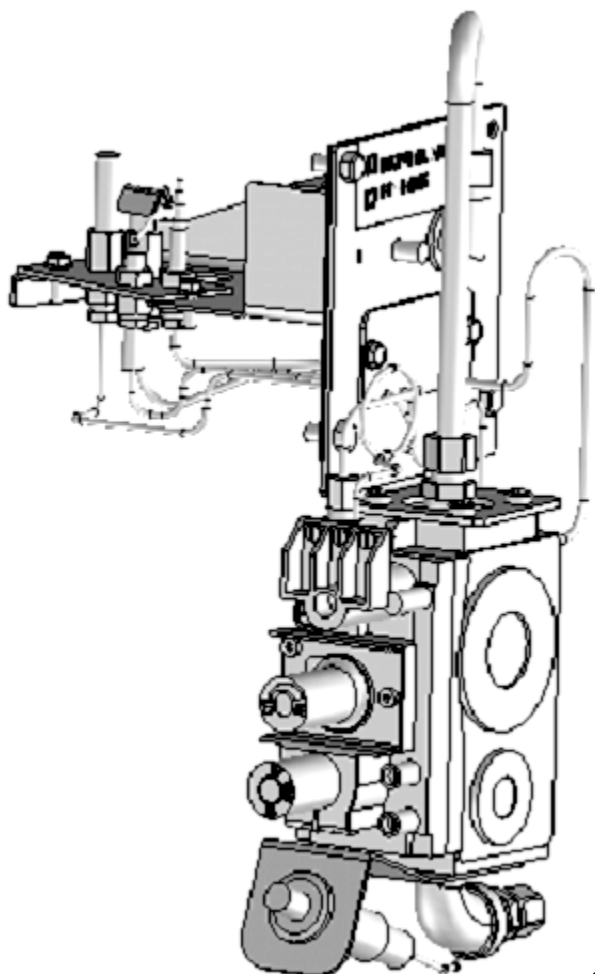
④

- 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

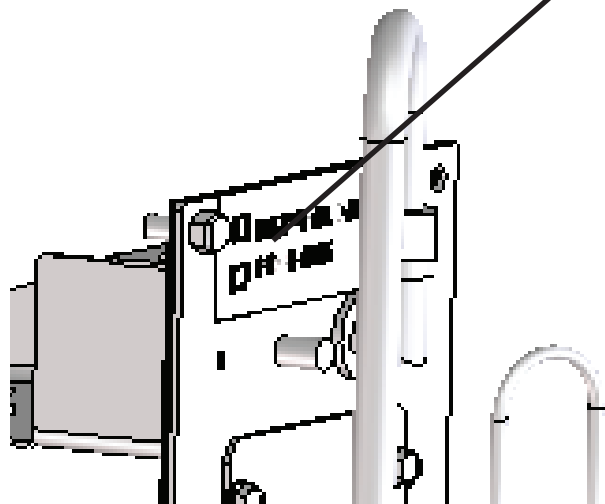
Mark the proper box on the label with a permanent marker.

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

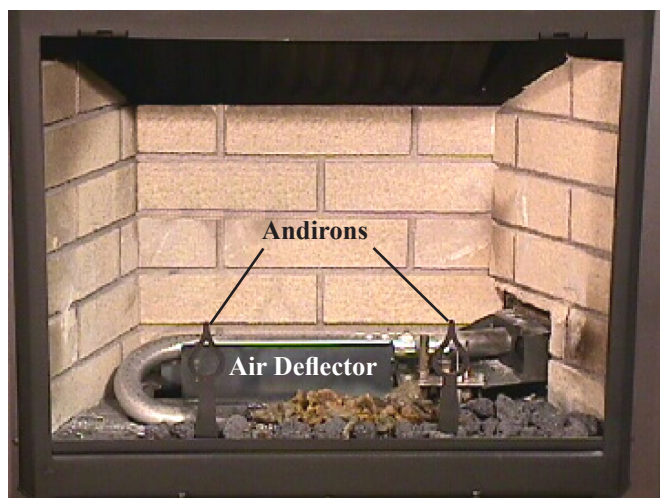
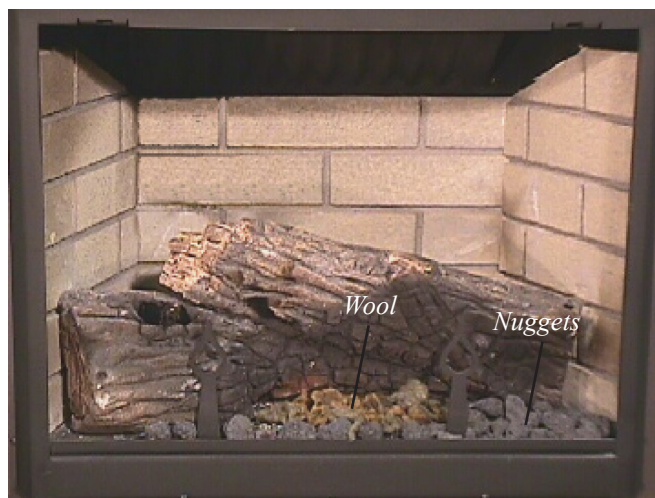
| | |
|-------------------------------------|-------------|
| <input type="checkbox"/> | NATURAL GAS |
| <input checked="" type="checkbox"/> | PROPANE |

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.

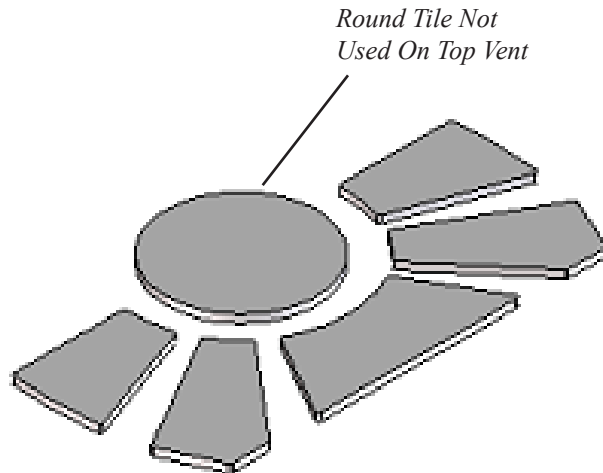
Ember Placement

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.



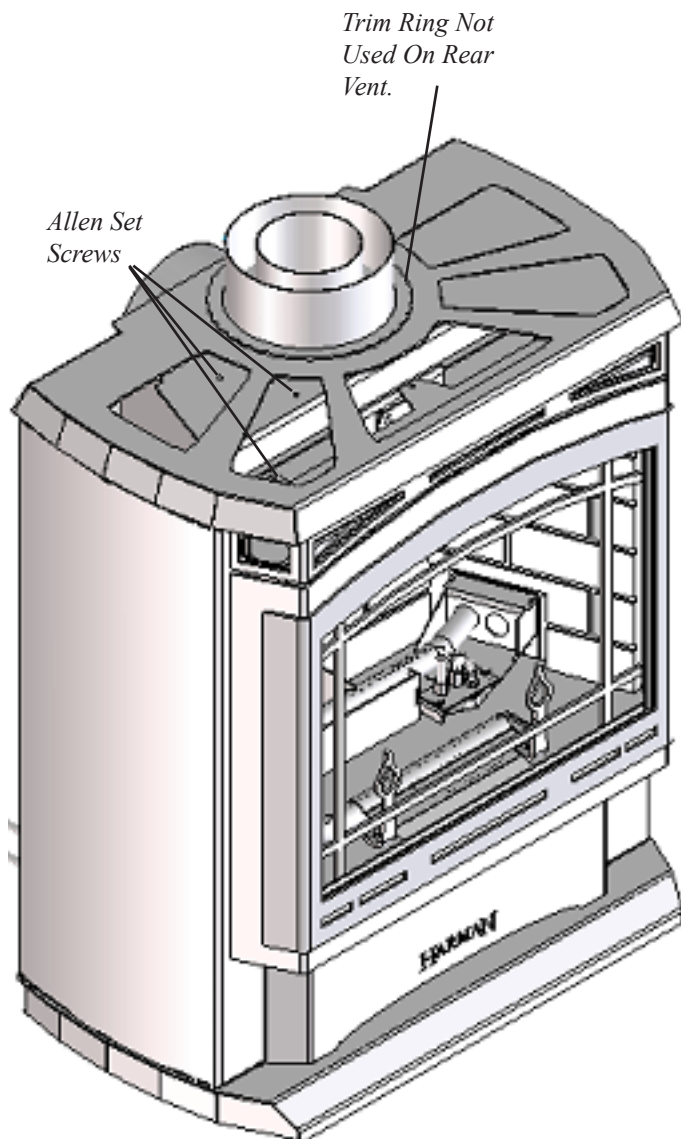
Tile Kit

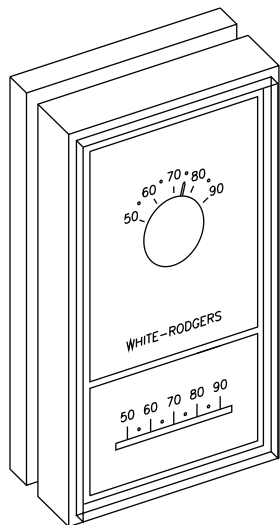
Each tile kit contains six tiles and fifteen allen-set screws. If the Conquest is installed as a top vent, then the round tile is not used. If it is installed as a rear vent, then the trim ring is not used.

Installing Tiles

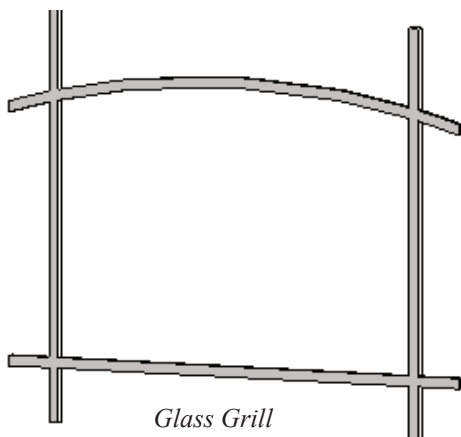
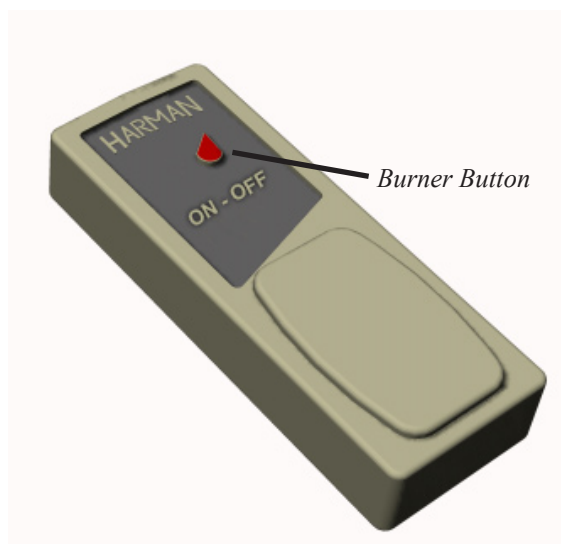
Below each tile opening are three threaded holes. In some cases it may be helpful to remove extra paint from the treads with a 1/4-20 tap.

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



Glass Grill

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

| <i>Maximum Length</i> | <i>Wire Gauge</i> |
|---------------------------|-----------------------|
| 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 fire-place.

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

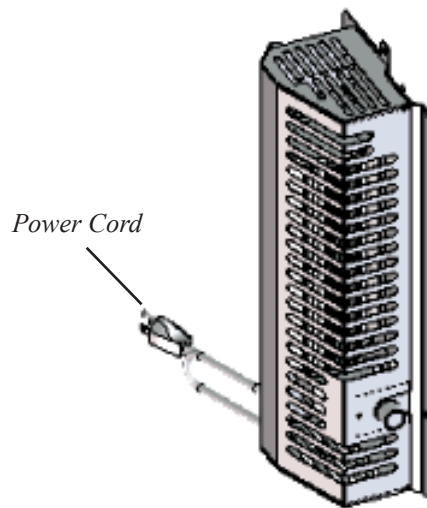
To install the glass grill remove the door and slide the top of the vertical bars up into the slots at the top of the firebox opening. Lower the grill down so the bottom of the vertical bars rest just inside the lip at the bottom of the firebox opening.

Reinstall door.

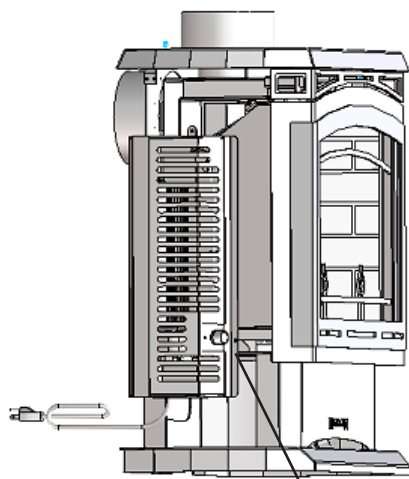
Optional Blower

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.

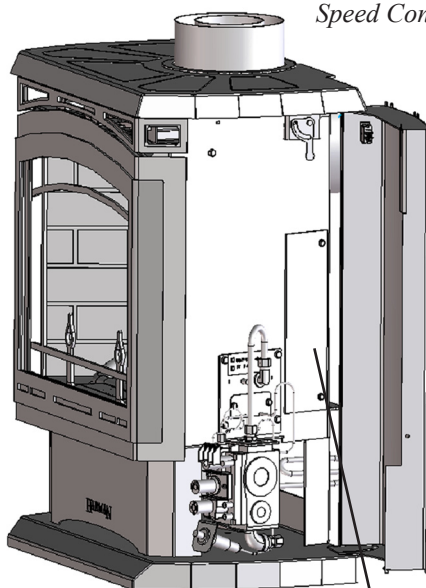
The blower has a variable speed control knob to adjust the blower speed as desired. A special switch is used to automatically start the blower when the stove temperature is hot enough to blow warm air. This switch will also stop the blower when the stove temperature drops below the point that warm air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



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.

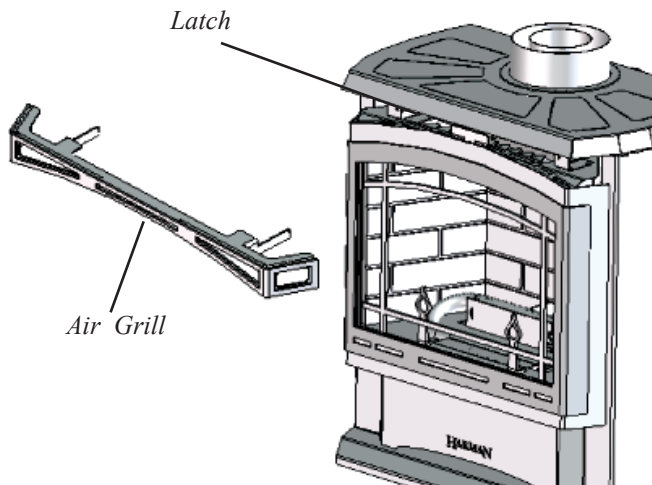
Operation

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.



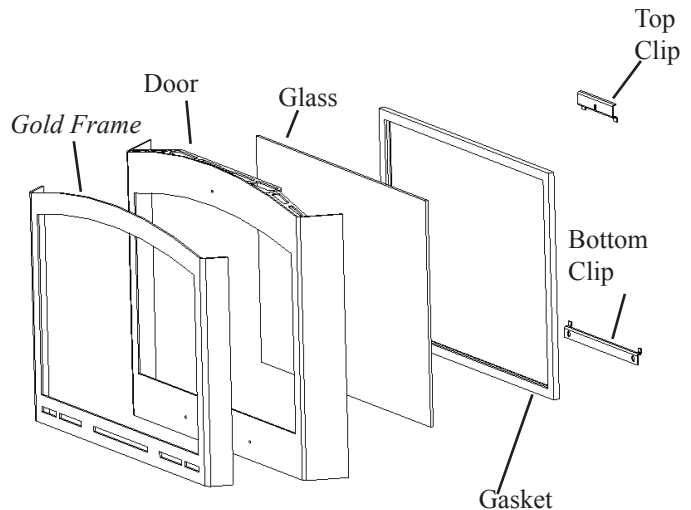
CAUTION: Do not operate this appliance with the glass front removed, cracked, or broken. Replacement of glass should be done by a licensed or qualified service person. Never use substitute materials.

CAUTIONNER: N'opère l'appareil avec le verre enlevé, craqué ou casse. 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

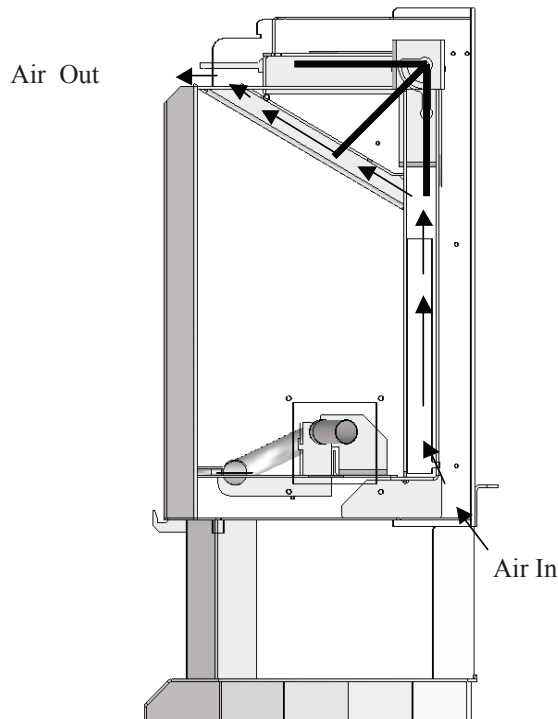
The Conquest uses part no. 3-44-00539 fiber-glass gasket in the front door. Should it ever need replacement, use only the proper replacement gasket that is available from your Harman dealer. Replace the gasket as follows:

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

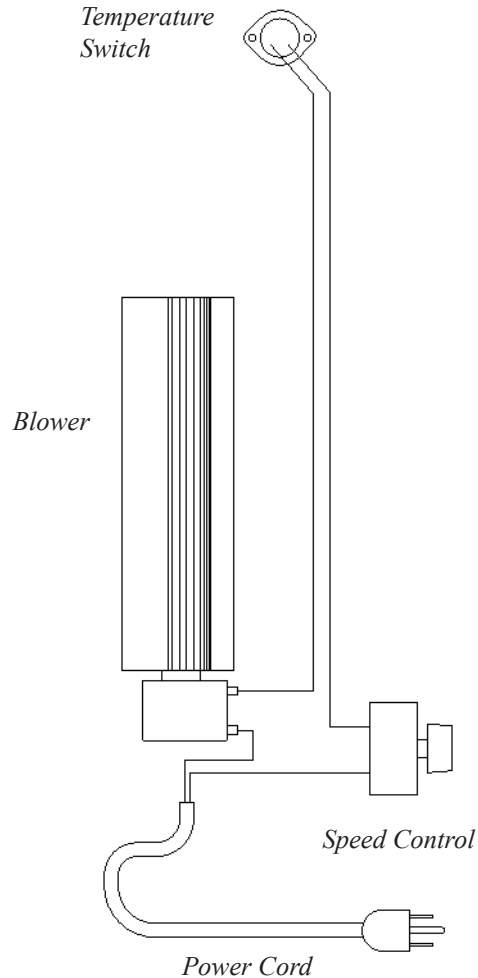
To clean the burners, you must remove the glass door, logs, and burner screen.

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.

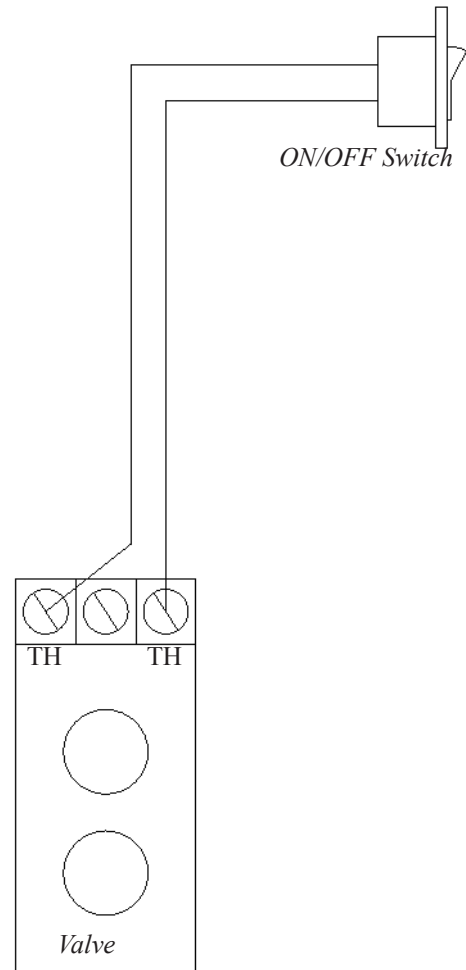
Optional Blower Wiring Diagram (120 Volt)



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.

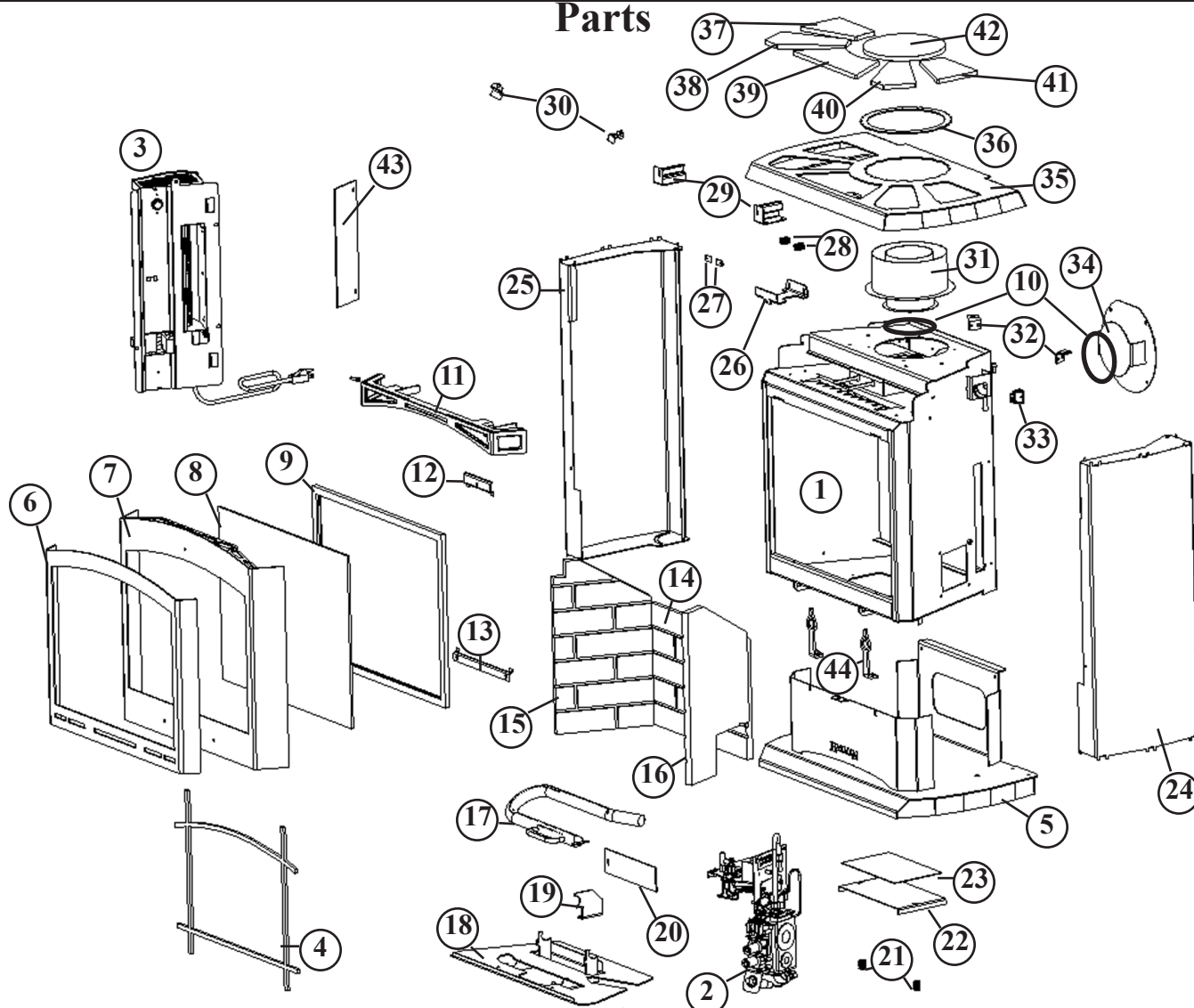
“Caution: Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing”.

Low Voltage Wiring Diagram



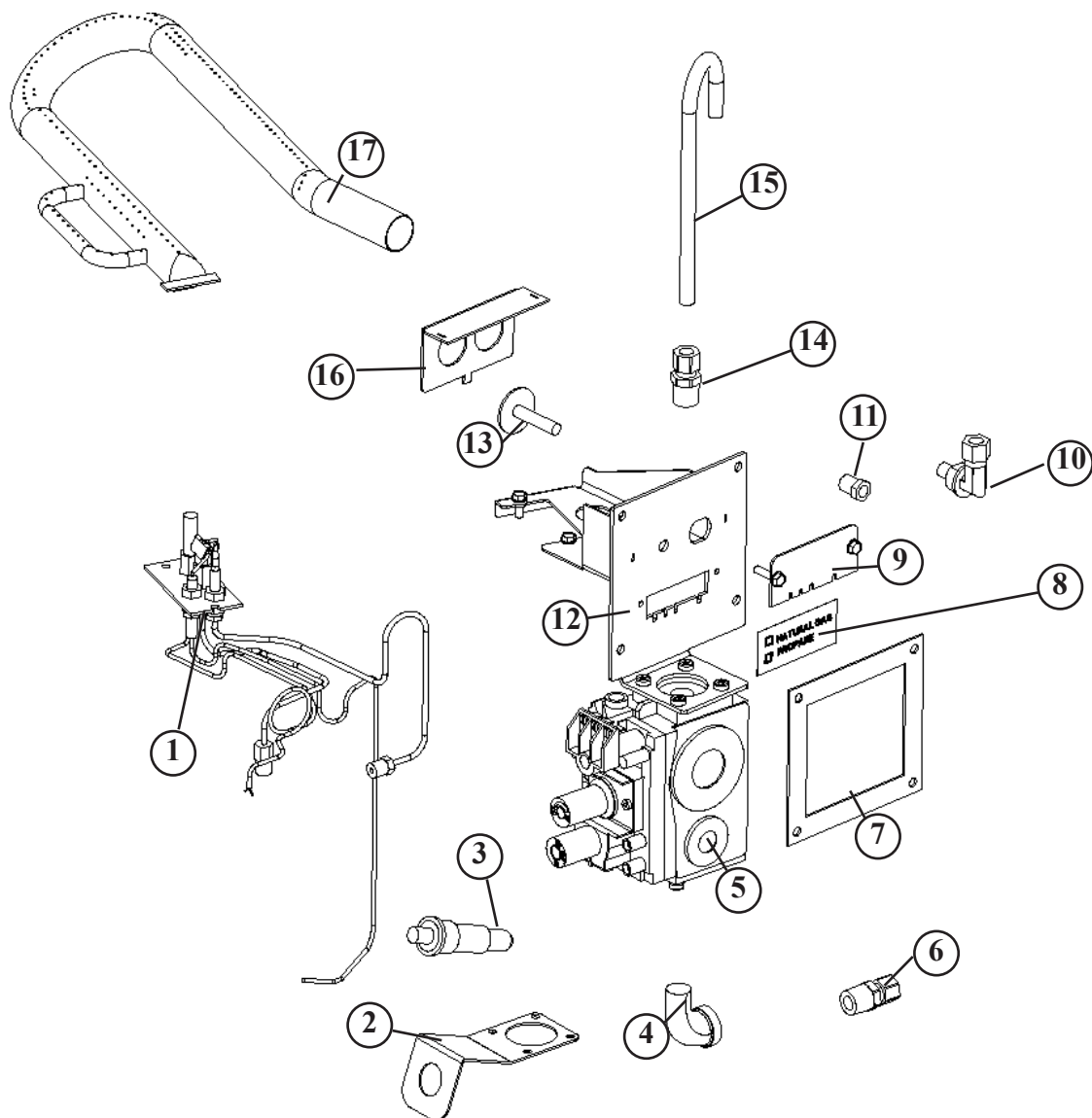
«ATTENTION. Au moment de l'entretien des commandes, étiquetez tous les fils avant de les débrancher. Des erreurs de câblage peuvent entraîner un fonctionnement inadéquat et dangereux. S'assurer que l'appareil fonctionne adéquatement une fois l'entretien terminé.»

Parts

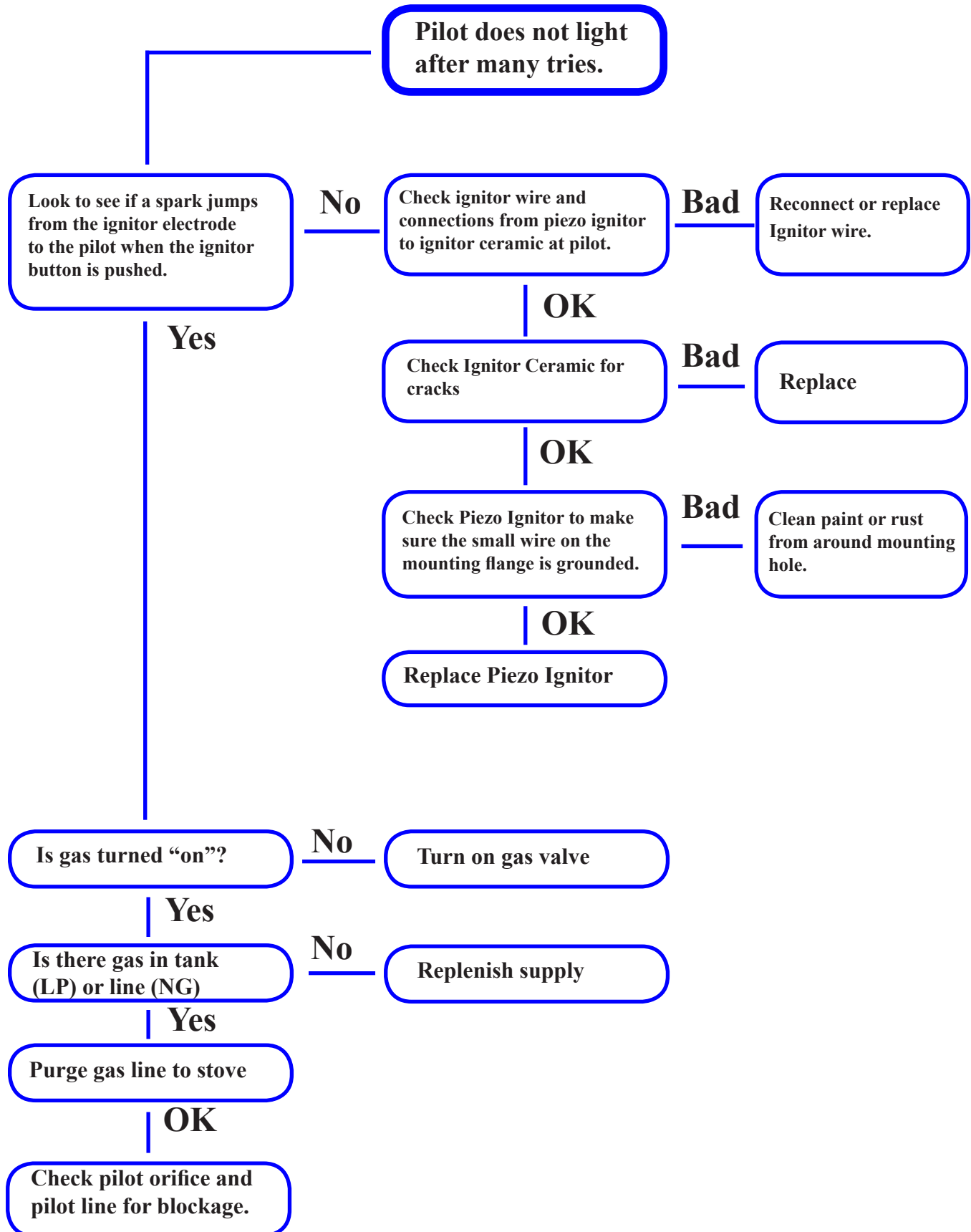


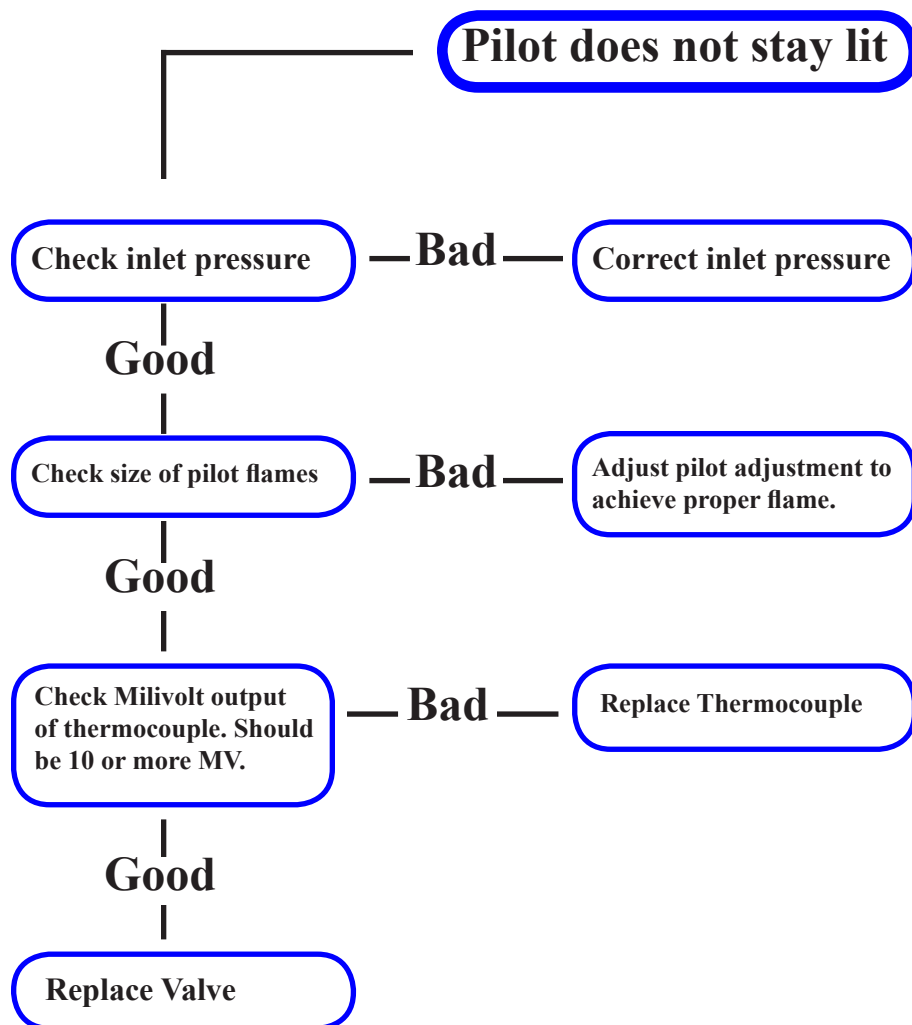
- | | | | |
|----------------|------------------------|--------------------|-----------------------------|
| 1) 1-89-09100 | Body weldment | 24) 1-10-73130 | Right side panel |
| 2) 1-10-09100 | LP valve assembly | 25) 1-10-73129 | Left side panel |
| 3) 1-00-09102 | Optional blower | 26) 2-00-73147 | 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 | | |

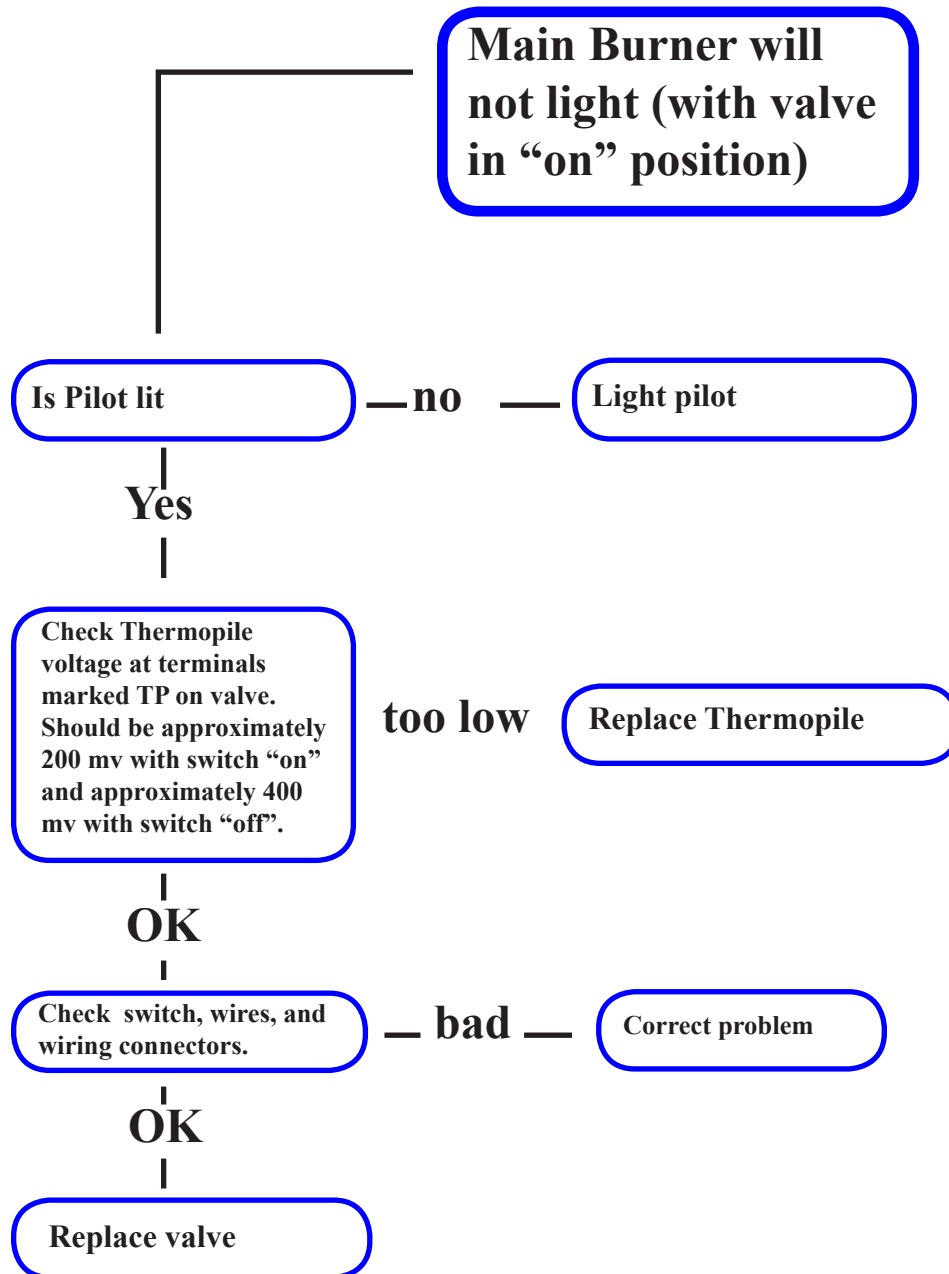
Burner Parts



- | | | | |
|---------------|------------------------|--------------------|----------------------|
| 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

Orifice Size 37

☐ Propane

54

Manifold Pressure 3.8 " WC

11" WC

Input (Btu/h) 27,500

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 Ventile

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-
M91For 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

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