Featuring the Ember Burner

- Direct Vent Freestanding Stove
- Natural Gas or Propane
- Vent Horizontally or Vertically
- Standard Residential
- Mobile Home Approved

Tested and Listed by
Tested and Listed by
Omni-Test Laboratories, Inc.
Beaverton, Oregon
Report # 028–S–28-5
ANSIZ21.88,CSA2.33M98,CAN/CGA2.17-M91

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

- Do not store or use gasoline or other flammable vapors and liquids 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 gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

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

This appliance may be installed as an OEM installation in a manufactured (mobile) home and must be installed in accordance with the manufacturer’s instructions and the manufactured home construction and safety standard, Title 24 CFR, Part 3280 or Standard for Installation in Mobile Homes, CAN/CSA Z240 MH.

This appliance is only for use with the type(s) of gas indicated on the rating plate. A conversion kit is supplied with the appliance.

Berkshire Owner’s Manual

Installer: After installation give this manual to the homeowner and explain operation of this heater.

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Travis Industries, Inc.
10850 117th Place N.E. Kirkland, WA 98033
Introduction

We welcome you as a new owner of a Lopi Berkshire stove. In purchasing a Berkshire you have joined the growing ranks of concerned individuals whose selection of an energy system reflects both a concern for the environment and aesthetics. The Berkshire is one of the finest home heaters the world over. This manual will explain the installation, operation, and maintenance of this stove. Please familiarize yourself with the Owner's Manual before operating your heater and save the manual for future reference. Included are helpful hints and suggestions that will make the operation and maintenance of your new stove an easier and more enjoyable experience. We offer our continual support and guidance to help you achieve the maximum benefit and enjoyment from your heater.

Important Information

No other Berkshire Stove has the same serial number as yours. The serial number is on the listing plate chained to the gas control valve.
This serial number will be needed in case you require service of any type.

Model: Lopi Berkshire Stove
Serial Number: 
Purchase Date: 
Purchased From: 

Mail your Warranty Card Today, and Save Your Bill of Sale.

To receive full warranty coverage, you will need to show evidence of the date you purchased your heater. Do not mail your Bill of Sale to us.

We suggest that you attach your Bill of Sale to this page so that you will have all the information you need in one place should the need for service or information occur.
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• **IF YOU SMELL GAS:**
  * Do not light any appliance
  * Extinguish any open flame
  * Do not touch any electrical switch or plug or unplug anything
  * Open windows and vacate building
  * Call gas supplier from neighbor's house, if not reached, call fire department

• This unit must be installed by a qualified installer to prevent the possibility of an explosion. Your dealer will know the requirements in your area and can inform you of those people considered qualified. The room heater 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.

• The instructions in this manual must be strictly adhered to. Do not use makeshift methods or compromise in the installation. Improper installation will void the warranty and safety listing.

Look for this label:

For LPG only | Pout 11” W.C.

If the label is present, the heater is equipped for LP (propane). If the label is absent, the heater is equipped for NG (natural gas).

• This heater is either approved for natural gas (NG) or for propane (LP or LPG). Burning the incorrect fuel will void the warranty and safety listing and may cause an extreme safety hazard. Direct questions about the type of fuel used to your dealer. Check for the label shown to the right.

• Contact your local building officials to obtain a permit and information on any installation restrictions or inspection requirements in your area. Notify your insurance company of this heater as well.

• It is imperative that control compartments, screens, or circulating air passageways of the heater be kept clean and free of obstructions. These areas provide the air necessary for safe operation.

• If the flame becomes sooty, dark orange in color, or extremely tall, do not operate the heater. Call your dealer and arrange for proper servicing.

• Do not operate the heater if it is not operating properly in any fashion or if you are uncertain. Call your dealer for a full explanation of your heater and what to expect.

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

• Do not store or use gasoline or other flammable liquids in the vicinity of this heater.

Travis Industries 93508111 4020916
Safety Precautions

- Do not place clothing or other flammable items on or near the heater. Because this heater can be controlled by a thermostat there is a possibility of the heater turning on and igniting any items placed on or near it.

- The viewing glass should be opened only for lighting the pilot or conducting service.

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

- Do not operate with the glass removed or damaged.

- Operate the heater according to the instructions included in this manual.

- If the main burners do not start correctly turn the gas off at the gas control valve and call your dealer for service.

- This unit is not for use with solid fuel

- Do not place anything inside the firebox (except the included fiber logs).

- If the fiber logs become damaged, replace with Travis Industries log set.

- Do not touch the hot surfaces of the heater. Educate all children of the danger of a high-temperature heater. Young children should be supervised when they are in the same room as the heater.

- Instruct everyone in the house how to shut gas off to the appliance and at the gas main shutoff valve. The gas main shutoff valve is usually next to the gas meter or propane tank and requires a wrench to shut off.

- Light the heater using the built-in piezo igniter. Do not use matches or any other external device to light your heater.

- Never remove, replace, modify or substitute any part of the heater unless instructions are given in this manual. All other work must be done by a trained technician. Don't modify or replace orifices.

- Allow the heater to cool before carrying out any maintenance or cleaning.

- The pilot flame must contact the thermopile and thermocouple (see the illustration to the left). If it does not, turn the gas control valve to "OFF" and call your dealer.

- Do not throw this manual away. This manual has important operating and maintenance instructions that you will need at a later time. Always follow the instructions in this manual.

- Plug the heater into a 120V grounded electrical outlet. Do not remove the grounding plug.

- Don’t route the electrical cord in front of, over, or under the heater

- Travis Industries, Inc. grants no warranty, implied or stated, for the installation or maintenance of your heater, and assumes no responsibility of any consequential damage(s).
Specifications

### Features:
- Ember Fyre™ Burner for "Wood Fire" Look
- Works During Power Outages (millivolt system)
- High Efficiency
- Optional Thermostat or Remote Control
- Optional Blower for Quicker Heat Distribution
- Convenient Operating Controls
- Variable-Rate Heat Output
- Low Maintenance

### Installation Options:
- Freestanding Stove
- Horizontal or Vertical Vent
- Residential or Mobile Home
- Straight or Corner Placement
- Bedroom Approved

### Heating Specifications:
Approximate Heating Capacity (in square feet)\* ............ 500 - 1,750 with Blower, 500 to 1,200 Without
Maximum Input ........................................................................................................ 31,000
Output from Low to High (in BTU's per hour) ............................................. 16,608 to 26,815
Steady State Efficiency .................................................................................. 86.5%
AFUE (without blower) .................................................................................. 72.8%

* Heating capacity will vary depending on the home's floor plan, degree of insulation, and the outside temperature.
** Efficiency rating is a product of thermal efficiency rating determined under continuous operation independent of installed system.

### Dimensions & Weight:

```
25-3/4" (standard legs)
28-1/8" (optional "tall" legs)

Weight: 215 Lbs.
```

The flue collar protrudes 7/8" above the stove top

Measure side, corner, and back clearances from the stove top.

### Electrical Specifications (for optional blower)
Electrical Rating ................................................................. 115 Volts, 1.3 Amps, 60 Hz (150 watts on high)

### Fuel:
This heater is shipped in natural gas (NG) configuration but may be converted to propane (LP) using the included LP conversion kit. The sticker on top of the gas control valve will verify the correct fuel.
Installation Warnings:

- Failure to follow all of the requirements may result in property damage, bodily injury, or even death.
- This heater must be installed by a qualified installer who has gone through a training program for the installation of direct vent gas appliances.
- This appliance must be installed in accordance with all local codes, if any; if not, in U.S.A. follow ANSI Z223.1 and NFPA 54(88), in Canada follow B-149.
- Appliances in Manufactured or Mobile Homes must conform with: In USA, Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280; In Canada, CSA Z240.4 and Gas-Equipped Recreational Vehicles and Mobile Housing. This appliance may be installed in Manufactured Housing only after the home is site located.
- This stove is designed to operate on natural gas or propane (LP).
- All exhaust gases must be vented outside the structure of the living-area. Combustion air is drawn from outside the living-area structure.
- Notify your insurance company before hooking up this stove.
- The requirements listed below are divided into sections. All requirements must be met simultaneously. The order of installation is not rigid – the qualified installer should follow the procedure best suited for the installation.

Packing List

- Propane Conversion Kit
- Log Set
- 4” Pipe, 8” Pipe, and 90° Elbow (for gas inlet)
- Glass Latch Tool (to un-latch glass frame)
- Touch-Up Paint
- 4 Screws & Clips (Fyrestone only) for stone inserts

Additional Items Required

- Vent (see “Venting Requirements” for details)
- Gas Line Equipment (shutoff valve, pipe, etc.)

Installation Overview
**Installation Hints:**

1. If converting to LP, convert the appliance prior to installation.
2. The blower is easiest to install prior to installation. Because the blower is located near the gas inlet location, we recommend using the included pipe and elbow to route the gas inlet around the blower position.
3. Install the logs last - they are fragile.
4. When determining the location of the stove, locate the wall studs (for horizontal penetrations) and ceiling trusses (for vertical penetrations). You may wish to adjust the stove position slightly to ensure the vent does not intersect with a framing member.
5. Fumes and smoke from the paint curing and oil burning off the steel may occur the first time you start this heater. This is normal. We recommend you open windows to vent the room.

**Stove Clearances**

**Straight Installations**

With this clearance the vent is centered 7-1/8” from the back wall, 23-1/2” from the side wall.

**Corner Installations**

With this clearance, the vent is centered 15-3/4” from the wall.

**Mobile Home Requirements**

- When the stove is installed in a mobile home, it must be bolted to the floor and the appliance grounded (use the optional blower with a grounded circuit or other suitable grounding method - current ANSI/NFPA 70 or CSA C22.1).
**Heater Placement Requirements**

- Heater must be installed on a level surface capable of supporting the heater and vent.
- Due to the high temperature of the heater, it should be located out of traffic and away from furniture and draperies. Heater must be placed so no combustibles are within, or can swing within 36" of the front of the heater (e.g. drapes, doors).
- When placed in a location where the floor to ceiling height is under 7 feet, the installation is considered an alcove and must meet the following requirements:
  - The alcove floor to ceiling height must be at least 58” tall.
  - The alcove must not be more than 45” deep before the ceiling returns to 7’.
  - The alcove must be at least 46-3/4” wide.
- The heater must not be placed so the vents below or above the door, along the sides of heater, or along the back of the heater can become blocked.
- This heater may be placed in a bedroom. Please be aware of the large amount of heat this appliance produces when determining a location.

**Floor Protection Requirements**

- When the stove is installed directly on carpeting, vinyl or other combustible material other than wood flooring or a high pressure laminate wood floor, the stove must be installed on a metal or wood protection panel extending the full width and depth of the heater (Minimum 26-3/4” wide by 19” deep).

Make sure these rubber tipped bolts on each leg contact the floor (they dampen any noise that may transmit through the hearth). Do not adjust with weight on the legs, the rubber tips may tear.
Gas Line Installation

- The gas line must be installed in accordance with all local codes, if any; if not, follow current ANSI Z223.1 or NFPA 54 in the USA and the current CGA B149 in Canada.
- The heater and gas control valve must be disconnected from the gas supply piping during any pressure testing of that system at test pressures in excess of 1/2 psig (3.45 kPA). For pressures under 1/2 psig (3.45 kPA), isolate the gas supply piping by closing the manual shutoff valve.
- This heater is designed for natural gas but can be converted to propane. Check the sticker on top of the gas control valve to verify the correct fuel is used (see page 4).
- Leak test all gas line joints and the gas control valve prior to and after starting the heater.
- The gas inlet accepts a 3/8" F.P.T. Fitting
- The location of the gas inlet is shown below
- A manual shutoff valve is required for installation (it must be located within 3’ of the heater). T-Handle gas cocks are required in Massachusetts in compliance with code 248CMR.

With the included pipe installed, the gas inlet is located at the location shown below.

Gas Inlet Pressure

- With the heater off, the inlet pressure must meet the requirements listed in the table below
- If the pressure is not sufficient, make sure the piping used is large enough and the total gas load for the residence does not exceed the amount supplied.
- The supply regulator (the regulator that attaches directly to the residence inlet or to the propane tank) should supply gas at the suggested input pressure listed below. Contact the local gas supplier if the regulator is at an improper pressure.

<table>
<thead>
<tr>
<th>Standard Input Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Gas</td>
</tr>
<tr>
<td>7” W.C. (1.74 Kpa)</td>
</tr>
<tr>
<td>Propane</td>
</tr>
<tr>
<td>13” W.C. (3.23 Kpa)</td>
</tr>
</tbody>
</table>
**Installation** (for qualified installers only)

### Vent Requirements

- Always maintain the required 1" clearance (air space) to combustible materials to prevent a fire hazard. Do not fill air spaces with insulation.

- The gas appliance and vent system must be vented directly to the outside of the building, and never be attached to a chimney serving a separate solid fuel or gas-burning appliance. Each direct vent gas appliance must use its own separate vent system.

- This appliance is equipped only for altitudes 0-2000 ft. (0-610m) in USA; in Canada, 0-4500 ft. (0-1370m). However, our in-house testing has shown that the unit operated at altitudes to 8000 ft.

- Failure to adjust the air shutter properly may lead to improper combustion which can create a safety hazard. Consult your dealer or installer if you suspect an improperly adjusted air shutter.

- When the vent passes through a wall, a wall thimble is required. When the vent passes through a ceiling, a support box or firestop is required. When the vent passes through the roof, a roof flashing and storm collar are required. Follow the instructions provided with the vent (from Duravent®) for installing these items.

- Use Model GS Direct Vent manufactured by Simpson Dura-Vent only (or the Chimney Conversion Kit - see Addendum #2). Follow the installation instructions included with the vent. For the nearest Simpson Dura-Vent supplier, call (800) 835-4429. Part numbers and descriptions are listed below.

#### Straight Lengths

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>906B</td>
<td>6&quot; Pipe Length, Black (interior)</td>
</tr>
<tr>
<td>907B</td>
<td>9&quot; Pipe Length, Black (interior)</td>
</tr>
<tr>
<td>906B</td>
<td>12&quot; Pipe Length, Galvanized</td>
</tr>
<tr>
<td>904</td>
<td>24&quot; Pipe Length, Black (interior)</td>
</tr>
<tr>
<td>904B</td>
<td>24&quot; Pipe Length, Black (interior)</td>
</tr>
<tr>
<td>903</td>
<td>36&quot; Pipe Length, Galvanized</td>
</tr>
<tr>
<td>903B</td>
<td>36&quot; Pipe Length, Black (interior)</td>
</tr>
<tr>
<td>902</td>
<td>48&quot; Pipe Length, Galvanized</td>
</tr>
<tr>
<td>902B</td>
<td>48&quot; Pipe Length, Black (interior)</td>
</tr>
<tr>
<td>911B</td>
<td>11&quot; to 14 5/8&quot; Pipe, Adjustable, Black (interior)</td>
</tr>
</tbody>
</table>

#### Penetration, Support Parts

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>942</td>
<td>Wall Thimble</td>
</tr>
<tr>
<td>940</td>
<td>Optional Wall Thimble Cover</td>
</tr>
<tr>
<td>941</td>
<td>Cathedral Ceiling Support Box</td>
</tr>
<tr>
<td>943</td>
<td>Flashing, 0/12 to 6/12 Roof Pitch</td>
</tr>
<tr>
<td>943S</td>
<td>Flashing, 7/12 to 12/12 Roof Pitch</td>
</tr>
<tr>
<td>953</td>
<td>Storm Collar</td>
</tr>
<tr>
<td>953S</td>
<td>Ceiling Firestop</td>
</tr>
<tr>
<td>988</td>
<td>Wall Strap</td>
</tr>
</tbody>
</table>

#### Vertical Vent Terminations

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>981</td>
<td>Snorkel Termination (36&quot; rise)</td>
</tr>
<tr>
<td>982</td>
<td>Snorkel Termination (14&quot; rise)</td>
</tr>
<tr>
<td>984</td>
<td>Horizontal Square Termination</td>
</tr>
<tr>
<td>991</td>
<td>Vertical Termination</td>
</tr>
<tr>
<td>990</td>
<td>90° Elbow</td>
</tr>
<tr>
<td>990B</td>
<td>90° Elbow, Black (interior)</td>
</tr>
<tr>
<td>994</td>
<td>45° Elbow</td>
</tr>
<tr>
<td>994B</td>
<td>45° Elbow, Black (interior)</td>
</tr>
</tbody>
</table>

#### Horizontal Vent Terminations

- Slide the vent sections together and turn 1/4 turn until the sections lock in place.

- Screws are not required to secure the vent. However, three screws may be used to secure vent sections together if desired.

- High temperature sealant is recommended at the appliance starter section connection (use high-temperature silicone or Mill-Pac®).

- If disassembly is required, at time of re-assembly check to see if the vent creates a tight fit. If it does not, apply high temperature sealant to the joints of the affected sections.

- Horizontal sections require a 1/4" rise every 12" of travel

- Horizontal sections require non-combustible support every three feet (e.g.: plumbing tape)

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### Approved Vent Configurations

#### Restrictor Position

- A restrictor is built into the appliance to control the flow rate of exhaust gases. This ensures proper flames for the wide variety of vent configurations. Depending upon the vent configuration, you may be required to adjust the restrictor position. The charts for approved vent configurations describe which position the vent restrictor must be in.

#### To Access the Restrictor

1. Loosen (or remove) the screw and locking tab under the stove top.

2. Use both hands to pull the stove top forward, rotate it up, then lift it off the stove.

#### To Adjust the Restrictor

1. Lift the cotter pin out.

2. Slide the restrictor adjustment rod in.

3. Replace the cotter pin through the correct hole on the restrictor adjustment rod.

#### Measuring Vent Lengths

**Elbows add 3” (75 mm) to the length of the vent system.**

- **Vent Horizontal Run**
  - (measure from the closest edge of the starter section to the end of the termination)

- **Vent Height**
  - calculated to the top of the vent on horizontal terminations and to the top of the termination on vertical terminations.

- **Vent sections overlap each other by 1-1/2" (37 mm)**

- **Elbows add 3" (75 mm) to the length of the vent system.**

- **Side View**

- **9-5/8” (244 mm)**

- **3” (75 mm)**

- **1-1/2” (37 mm)**

- **12-3/8” (310 mm) tall with 1-1/2” (37 mm) of overlap**

- **8-3/4” (220 mm) wide with 1-1/2” (37 mm) to 3-3/8” (85 mm) of overlap**

- **Vent Length (3’, 4’, etc.) (910, 1210 mm)**

- **1-1/2” (37 mm)**

- **Vent Width**

- **9-5/8” (245 mm)**

- **3” (75 mm)**

- **1-1/2” (37 mm)**

- **1-1/2” (37 mm)**
Approved Venting Configurations for Vertical Terminations with Zero, Two, or Four 45° Elbows

- 10' Minimum System Height (with or without offsets)
- 40' Maximum System Height
- 24' Maximum Offset
- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor position.
- If using offsets, use the table below to calculate the vertical rise and horizontal offset

<table>
<thead>
<tr>
<th>Offset Length</th>
<th>Hor. Offset</th>
<th>Vert. Rise</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>5'</td>
<td>1'</td>
</tr>
<tr>
<td>1' Section</td>
<td>1'</td>
<td>1' 7&quot;</td>
</tr>
<tr>
<td>2' Section</td>
<td>1' 9&quot;</td>
<td>2' 4&quot;</td>
</tr>
<tr>
<td>3' Section</td>
<td>2' 5&quot;</td>
<td>3'</td>
</tr>
<tr>
<td>4' Section</td>
<td>3' 2&quot;</td>
<td>3' 8&quot;</td>
</tr>
<tr>
<td>4' + 1' Section</td>
<td>3' 9&quot;</td>
<td>4' 4&quot;</td>
</tr>
<tr>
<td>4' + 2' Section</td>
<td>4' 6&quot;</td>
<td>5'</td>
</tr>
<tr>
<td>4' + 3' Section</td>
<td>5' 2&quot;</td>
<td>5' 9&quot;</td>
</tr>
<tr>
<td>4' + 4' Section</td>
<td>6&quot;</td>
<td>6' 9&quot;</td>
</tr>
</tbody>
</table>

NOTE:
Restrictor positions are based upon lab tests. The ideal restrictor position may vary slightly, especially when the termination is near a demarkation line.
Approved Venting Configurations with a Horizontal Termination and One 90° Elbow

- If using a Snorkel Termination (14” or 36”) add the snorkel height to the vertical height (snorkel terminations are used primarily for basement installations).
- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor position.

**NOTE:** Restrictor positions are based upon lab tests. The ideal restrictor position may vary slightly, especially when the termination is near a demarkation line.

**NOTE:** Horizontal sections require a 1/4” rise every 12” of travel.

**NATURAL GAS:** Min. 2’ Section Required

**PROPANE (LP):** Min. 3’ Section Required
Approved Venting Configurations with a Horizontal Termination and Two Elbows (one 90° vertical and one 90° or 45° horizontal elbow)

- If using a Snorkel Termination (14” or 36”) add the snorkel height to the vertical height (snorkel terminations are used primarily for basement installations).
- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor position.

**NOTE:**
Restrictor positions are based upon lab tests. The ideal restrictor position may vary slightly, especially when the termination is near a demarkation line.

**NOTE:**
Horizontal sections require a 1/4” rise every 12” of travel.

**NATURAL GAS:** Min. 2’ Section Required

**PROPANE (LP):** Min. 3’ Section Required

Horizontal length (max. 24’) is calculated by adding both lengths of horizontal run (Horizontal Length = H1 + H2).

This is considered a horizontal elbow (it does not matter whether it turns right or left). It may be a 90° or 45° elbow.

This is considered a vertical elbows
Approved Venting Configurations with a Horizontal Termination and Three 90° Elbows (all vertical)

- If using a Snorkel Termination (14” or 36”) add the snorkel height to the vertical height (snorkel terminations are used primarily for basement installations).
- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor position.

**NOTE:**
Restrictor positions are based upon lab tests. The ideal restrictor position may vary slightly, especially when the termination is near a demarkation line.

**NOTE:**
Horizontal sections require a 1/4” rise every 12” of travel.

This is a horizontal elbow - **NOT ALLOWED FOR THIS VENT CONFIGURATION**

These are vertical elbows.
Approved Venting Configurations for Vertical Terminations with Two 90° Elbows

- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor position.

**NOTE:**
Restrictor positions are based upon lab tests. The ideal restrictor position may vary slightly, especially when the termination is near a demarkation line.

**NOTE:**
Horizontal sections require a 1/4" rise every 12" of travel.

This is a horizontal elbow - NOT ALLOWED FOR THIS VENT CONFIGURATION

These are vertical elbows.
Approved Venting Configurations for Vertical Terminations with Three 90° Elbows (Two 90° Vertical and One 45° or 90° Horizontal Elbow)

- The termination must fall within the shaded area shown in the chart. Use the indicated restrictor position.

NOTE:
Restrictor positions are based upon lab tests. The ideal restrictor position may vary slightly, especially when the termination is near a demarkation line.

NOTE:
Horizontal sections require a 1/4" rise every 12" of travel.

This is considered a horizontal elbow (it does not matter whether it turns right or left). It may be a 45° or 90° elbow.

Horizontal length (max. 24') is calculated by adding both lengths of horizontal run (Horizontal Length = H1 + H2).
**Vent Termination Requirements (see illustration below)**

- Venting terminals shall not be recessed into a wall or siding.
  
  - **A** Minimum 9” clearance from any door or window
  - **B** Minimum 12” above any grade, veranda, porch, deck or balcony
  - **C** Minimum 12” from outside corner walls
  - **D** Minimum 12” from inside corner walls
  - **E** Minimum 11” clearance below unventilated soffits or roof surfaces
    - Minimum 18” clearance below ventilated soffits
    - Minimum 6” clearance from roof eaves
  
  **NOTE:** Vinyl surfaces require 24”

  - **F** Minimum 18” clearance below a veranda, porch, deck or balcony (must have two open sides)
  - **G** Minimum 48” clearance from any adjacent building
  - **H** Minimum 84” clearance above any grade when adjacent to public walkways or driveways
    
    **NOTE:** may not be used over a walkway or driveway shared by an adjacent building
  - **I** Minimum 48” clearance from any mechanical air supply inlet, 72” for Canada
  - **J** Minimum 36” clearance above and 48” below and to the sides of non-mechanical air supply inlet
  - **K** Minimum 36” from the area above the meter/regulator (vent outlet)
  - **L** Minimum 36” from the meter/regulator (vent outlet)
  - **M** Minimum 12” above the roof line (for vertical terminations)

  **‘Note:** In Canada the vent termination must be a minimum 2’ (.6 M) tall and 2’ (.6 M) above any portion of the roof within 10’ (3 M) of the vent.

  - **N** Minimum 24” horizontal clearance to any surface (such as an exterior wall) – for vertical terminations

**NOTE:** Measure clearances to the nearest edge of the exhaust hood.

- Use the vinyl siding standoff (#1250) when installing on an exterior with vinyl siding.
- Vent termination must not be located where it will become plugged by snow or other material
- These clearances meet UMC-1994 and the CNA/CQA-B149 code standards.
Finalizing the Installation

1. Make sure the gas control valve is “OFF” and the heater is cool prior to conducting service.

2. Remove the face and glass (see page 22).

3. Install the log set and coals (see page 23).

4. We recommend you purge the gas line at this time (with the glass removed). This allows gas to be detected once it enters the firebox, ensuring gas does not build up.

5. Replace and secure the glass and face (see page 22).

6. Turn on gas to the heater. Leak test all gas joints prior to starting the appliance. Start the pilot. Start the main burner. Leak test all gas joints again.

5. Check the pilot flame to make sure it looks like the illustration below. Adjust the pilot flame if necessary.

To adjust the pilot flame, turn this screw (NOTE: if totally unscrewed gas will come out of this port). Clockwise lowers the flame while counter-clockwise raises it.

The pilot flame must contact the thermocouple and thermopile (see the illustration below). Adjust the pilot up or down as necessary.

6. Let the heater burn for thirty minutes. Adjust the air shutter, if necessary, to achieve the correct looking flame (see the illustration below).

- The air shutter adjusts the amount of air that mixes with the gas before it exits the burner holes. It is used to fine-tune the flame for differences in altitude and vent configuration.

ADJUSTING THE AIR SHUTTER

Pushing to the left gives the flame less air (making it more orange). Pushing to the right gives the flame more air, making it more blue. For fine adjustments use a screwdriver to tap the air shutter.

NOTE: If the air shutter is all the way open, yet the flames remain sooty, shut off gas to the fireplace and contact a qualified gas service technician.

Correct
Flames should be blue at the base, yellow-orange on the top.

Not Enough Air
If the flames are over 14” tall or sooty on the ends, open the air shutter.

Too Much Air
If the flames are all blue and short, close the air shutter.
Installation (for qualified installers only)

! If the vent configuration is installed incorrectly the vent may cause the flames inside the heater to lift or "ghost" – a dangerous situation. Inspect the flames after installation to insure proper performance. If the vent configuration is correct, yet the flames are lifting or ghosting, shut off gas to the heater and contact the dealer for information on remedying the problem.

! Failure to properly adjust the air shutter may lead to improper combustion and a safety hazard. Consult your dealer or installer if you suspect an improperly

Burner Pan

Burner Ports (holes)

If the flames are lifting, yet the vent configuration is correct, contact your dealer.

If the flames are ghosting, yet the vent configuration is correct, contact your dealer.

The flames should burn right off the top of the burner ports (if they are too blue, adjust the air control).

7 Turn the flame adjust knob to its highest position - the flames should be a maximum 9” to 10” tall. Check the flame on low position. The flames should burn off of each burner hole. If the heater does not work correctly, contact your dealer for a remedy.

8 Give this manual to the home owner and fully explain the operation of this heater.
Face and Glass Removal

! Make sure the gas control valve is “OFF” and the heater is cool prior to conducting service.

Use the latch tool to open the face latches on both sides (hold the door to make sure it does not fall forward).

! With the door latches disengaged, the face can be removed.

NOTE: Enameled parts can be easily damaged by mis-handling.

Insert the latch tool into the hole on the glass frame latch.

Pull the latch out then up to detach it from the glass frame.

Grasp the glass frame and lift it up until both the tabs at the bottom disengage from the slotted holders. Then move the glass frame forward, then down.
Log Installation

Make sure the gas control valve is “OFF” and the heater is cool prior to conducting service.

Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.

NOTE: The burner must be correctly positioned. Grasp the burner, lift it up, position the gas inlet tube over the burner tube, and slide the burner all the way down (see page 34 for details).

The installed log set should look like this.
**Before You Begin**

**Warning:** Read this entire manual before you use your new stove (especially the section "Safety Precautions" on pages 4 & 5). Failure to follow the instructions may result in property damage, bodily injury, or even death.

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

**Location of Controls - See explanation below**

![Diagram of stove controls](image)

- **On/Off Switch**
  - This control is used to turn the flame on and off.

- **Optional Blower Control**
  - This knob controls the speed of the internal convection blower that pushes heated air into the room.

- **Gas Control Knob**
  - This knob controls gas to the stove and pilot. There are three positions: ON, OFF, and PILOT. The indicator line is to the left of the knob.

- **Flame Adjust Knob**
  - This knob controls the flame height from low ("LO") to high ("HI"). The indicator line is above the knob.

- **Pilot Igniter**
  - The pilot igniter is used only to start the pilot. When pressed, it sends an electrical charge to the pilot assembly. This creates a blue spark directly next to the pilot, igniting the pilot flame.

? If using a remote control or thermostat, the On/Off Switch must be left "OFF". Turning the On/Off Switch "ON" will keep the stove on always.
Starting The Pilot Flame

The pilot flame is required to ignite the main burners (it also plays a safety role). It should be left on once lit. It will stay lit unless the gas control valve is turned to “OFF”. However, the pilot will go out if the gas is shut off, the propane tank runs out (or low) or if the stove malfunctions. If the pilot turns off frequently, call your dealer for information. To start the pilot follow the directions below:

**WARNING:**
When lighting or re-lighting the pilot, the glass must be removed (see page 22).

1. **a** Remove the glass (see page 22 for details).
2. **b** Push the gas control knob in slightly and turn it to the “OFF” position. The knob will not turn from “ON” to “OFF” unless the knob is depressed slightly. Wait five minutes to let any gas that may have accumulated inside the firebox escape. If you smell leaking gas, follow the directions on the cover “IF YOU SMELL GAS”.
3. **c** Turn the gas control knob to the “PILOT” position and press the knob in, this will allow gas to flow to the pilot light. Press the button on the pilot igniter repeatedly until you see the pilot light.
   **WARNING:**
   If the pilot does not light after 15 seconds, release the knob and call your dealer for service. Do not attempt to light pilot until service has been performed.

4. **NOTE:**
   You may wish to remove the log set to gain a better view of the pilot (see page 23).
5. **d** Keep the gas control knob depressed for 30 seconds once it is lit.
6. **e** Release the gas control knob. If the pilot goes out, repeat step C. If the pilot refuses to stay lit, call your dealer for service. With the pilot lit, proceed to step “f”.
   **NOTE:**
   If the gas control knob is turned to “OFF” after the pilot has been lit for several seconds, the knob will not turn. This safety feature prevents gas from entering the firebox.
7. **f** Replace the glass.
8. **g** Turn the gas control knob counter-clockwise to “ON”. The pilot is now lit and the heater can be turned on and off.
Starting the Stove for the First Time

Fumes from the Painted Surfaces Curing
Burn the heater at a medium setting for approximately one hour the first time. This will cure the painted surfaces. Fumes from the paint curing and oil burning off the steel may occur. This is normal. We recommend you open the window to vent the room.

Condensation
Water may appear on the glass each time you start the heater - this is normal.

Blue Flames
The flames will be blue when first started. After fifteen minutes the flames will turn a more realistic yellow and orange color.

Turning the Stove On and Off

After the pilot has been started...

Warning: Do not place combustible items on top or directly in front of the heater, even temporarily. The optional thermostat may start the heater causing a combustible item to ignite.

Note: If the heater turns on and off frequently while using the thermostat, you may want to adjust the flame height down until it produces just enough heat needed.

Adjusting the Flame Height

Your stove has an adjustable flame to tailor the look and heat output to your specific needs. It is adjusted by turning the middle dial on the gas control valve.
**Adjusting the Blower Speed (optional)**

The blower helps transfer the heat from the heater into the room. It will not turn on until the heater is up to temperature (approximately 10 minutes after starting). See the illustration below for instructions on adjusting the blower speed.

**OFF**
Turn the dial all the way counterclockwise until it clicks off.

**HIGH**
The high position is all the way counterclockwise, **without** clicking off.

**LOW**
Turn the dial all the way clockwise.

---

**Normal Operating Sounds**

- **Pilot Flame**
The pilot flame, which remains on, makes a very slight "whisper" sound.

- **Gas Control Valve**
As the gas control valve is turned on and off, you will hear a dull clicking sound. This is the valve that turns the gas on and off.

- **Blower**
This heater uses a blower to push heated air into the room. You will hear the sound of air movement that increases as the speed is increased.

- **Extinction Pops**
It is not unusual, especially on Propane (LP) appliances, to experience a "pop" when the burner is shut off.

- **Blower Snap Disk**
This part can produce a clicking sound as the blower cycles on and off.

---

**Normal Operating Odors**

This appliance has several areas that reach high temperatures. Dust or other particles on these areas may burn and create a burnt-paper smell. This is normal during startup. You may notice the smell is more acute if the appliance was left idle for a long period.
Maintaining Your Stove’s Appearance

Painted Surfaces
- Painted surfaces should be cleaned with a duster. If scratches occur, lightly sand the area with fine sandpaper. Clean the area and, with the stove cool, apply one or two thin coats of stove paint to the area (mask the area to avoid overspray). Allow the stove to dry, then turn the stove on to cure the paint (1 hour on medium).

Enamel Surfaces
- Use only soft cloth and water to clean enamel surfaces. To fix chips in the enamel, follow the directions below:
  1) Let the stove cool. Clean the area thoroughly.
  2) Shake the Travis Enamel Touch-Up thoroughly. Apply to the damaged area.

Glass
- Clean the glass with soap and water (do not use abrasive cleaners). To remove the glass, follow the instructions on page 22.

Yearly Service Procedure
! Failure to inspect and maintain the stove may lead to improper combustion and a potentially dangerous situation. The following procedures must be done by a qualified technician.

1. Check the pilot flame. It should touch approximately 3/8” of the top of the thermopile and touch the top of the thermocouple (see illustration below). If it does not, contact your dealer for service.

2. Shut off gas to the stove by turning the gas control knob to “OFF” (see step A under “Starting the Pilot” on page 25). Let the stove cool for 15 minutes. Remove the face and glass (see page 22).

3. Remove the log set (NOTE: the logs are very fragile - see page 23). If severely deteriorated, replace. Check the logs for sooting. A small amount of soot along the bottom of the logs is normal. If excessive sooting is found, the stove will require adjustment. Contact your dealer.

4. Inspect the firebox for the following:
   - Check the burner for cracked, plugged, or deteriorated holes.
   - Check the firebox and area around the pilot to make sure there is no warping or damage.
   - If any problem is found, discontinue use and contact your dealer for service.

5. Replace the log set. Replace the glass (if the glass is damaged, replace it). Make sure the gasket along the perimeter of the glass contacts the face of the firebox and forms an air-tight seal. If it does not, re-align or replace the gasket to insure an air-tight seal. Replace the face.

6. Inspect the area behind the access door. Clean if necessary. Check the gas control valve and the gas lines. If any damage is found, discontinue use and contact your dealer for service. Clean the air channels and ducts.

7. Follow the instructions for starting the pilot and turn on the main burner. The flames should be orange/yellow and not sooty. If the pilot or main burners do not burn correctly, contact your dealer for service.

8. Inspect the vent section. Damaged sections should be replaced. Remove any debris or vegetation near the vent termination. Contact your dealer if any sooting or deterioration is found near the vent termination.
## Troubleshooting Table

<table>
<thead>
<tr>
<th>Problem:</th>
<th>Possible Cause:</th>
<th>Don’t Call for Service Until You:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pilot Will Not Light</td>
<td>A gas shut off valve is turned off</td>
<td>Check all gas shut off valves</td>
</tr>
<tr>
<td></td>
<td>The gas control knob isn’t turned to “PILOT”</td>
<td>See “Starting the Pilot Light” Step C</td>
</tr>
<tr>
<td></td>
<td>The valve control knob isn’t pushed in</td>
<td>See “Starting the Pilot Light” Step C</td>
</tr>
<tr>
<td></td>
<td>The igniter wasn’t pressed repeatedly</td>
<td>See “Starting the Pilot Light” Step C</td>
</tr>
<tr>
<td></td>
<td>No Propane in Tank</td>
<td>Check Tank Level</td>
</tr>
<tr>
<td>Main Burners Will Not Start</td>
<td>The pilot light has gone out</td>
<td>See “Starting the Pilot Light”</td>
</tr>
<tr>
<td></td>
<td>The gas control valve is turned to “PILOT” or “OFF”</td>
<td>See “Starting the Pilot Light”</td>
</tr>
<tr>
<td></td>
<td>The ON/OFF switch is turned to “OFF”</td>
<td>Turn the ON/OFF switch to “ON”</td>
</tr>
<tr>
<td></td>
<td>The remote control is not working correctly</td>
<td>See the remote control instructions</td>
</tr>
<tr>
<td></td>
<td>The thermostat is set too low</td>
<td>Set thermostat to higher temperature</td>
</tr>
<tr>
<td>Remote Control Does Not Work</td>
<td>The pilot light has gone out</td>
<td>See “Starting the Pilot Light”</td>
</tr>
<tr>
<td></td>
<td>The gas control valve is turned to “PILOT” or “OFF”</td>
<td>See “Starting the Pilot Light”</td>
</tr>
<tr>
<td></td>
<td>ON/OFF switch is turned to “ON” (stove stays on),</td>
<td>Turn the ON/OFF switch to “OFF”</td>
</tr>
<tr>
<td></td>
<td>The remote is too far away from the stove</td>
<td>Use the remote closer to the stove</td>
</tr>
<tr>
<td></td>
<td>The remote control receiver is turned “Off”</td>
<td>See the remote control instructions</td>
</tr>
<tr>
<td></td>
<td>One of the two remote control batteries is dead</td>
<td>See the remote control instructions</td>
</tr>
<tr>
<td>Thermostat Does Not Work</td>
<td>The pilot light has gone out</td>
<td>See “Starting the Pilot Light”</td>
</tr>
<tr>
<td></td>
<td>The gas control valve is turned to “PILOT” or “OFF”</td>
<td>See “Starting the Pilot Light”</td>
</tr>
<tr>
<td></td>
<td>ON/OFF switch is turned to “ON” (stove stays on),</td>
<td>Turn the ON/OFF switch to “OFF”</td>
</tr>
<tr>
<td></td>
<td>The thermostat is set too low</td>
<td>Set thermostat to higher temperature</td>
</tr>
<tr>
<td>Optional Blower Does Not Work</td>
<td>The stove is not getting electricity</td>
<td>Check the breaker switch</td>
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<tr>
<td></td>
<td>The stove is not up to temperature</td>
<td>See “Operating Your Stove”</td>
</tr>
<tr>
<td>Pilot Goes Out Once A Month Or More</td>
<td>The gas supply has been shut off</td>
<td>Keep the gas supply turned on</td>
</tr>
<tr>
<td>Flames Are Too Blue</td>
<td>The stove has just been started</td>
<td>This is normal - see “Starting the Stove for the First Time”</td>
</tr>
<tr>
<td></td>
<td>Improper air shutter adjustment</td>
<td>Adjust Air Shutter - contact your dealer</td>
</tr>
<tr>
<td>Flames Are Too Short (Under 6&quot;)</td>
<td>The flame height may be turned too low</td>
<td>Turn the flame height to “HI” - See “Adjusting the Flame Height”</td>
</tr>
<tr>
<td>Thin Layer of Soot Covers the Glass</td>
<td>The logs or coals are placed incorrectly</td>
<td>See “Log Set Installation &amp; Removal”</td>
</tr>
<tr>
<td></td>
<td>Improper air shutter adjustment</td>
<td>Adjust Air Shutter - contact your dealer</td>
</tr>
</tbody>
</table>
**How this Stove Works**

This stove was designed with safety as the primary concern. Many of the components inside this stove are for safety purposes. Therefore, only certified gas service technicians should service this stove.

**What Turns the Main Burners On and Off**

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

*When heated, the thermopile generates electricity (a very small amount measured in "Millivolts"). This electricity is used to operate the main burners. The main burners are switched on and off using the electricity generated by the thermopile. The ON/OFF switch, remote control, or thermostat control the circuit to the main burner.*

**What Prevents Gas Buildup**

* This appliance utilizes a high-technology gas valve in conjunction with a pilot flame to ensure no gas builds up inside the firebox.
* The thermocouple (next to the pilot) senses when the pilot flame is lit. If the pilot flame goes out, this thermocouple no longer generates electricity, causing the gas valve to automatically shut off all gas to the heater, preventing the pilot from spilling gas into the firebox.

*Pilot Flame*

The pilot flame is a time-proven component that eliminates the possibility of gas buildup inside the firebox.

*Gas Valve*

This high-technology valve automatically shuts off all gas if it does not receive a signal from the thermocouple. If any component is damaged or sensing a malfunction, or if the wiring is damaged, it will shut off all gas.

*External Shut Off Valve*

This valve is placed on the gas line to shut off gas to the appliance during maintenance procedures.

*Thermocouple*

The thermocouple generates a small amount of electricity. If the pilot flame goes out, the gas valve automatically shuts off all gas.

*Ceramic Glass*

The glass in your heater is the most durable glass available. It has been tested to be extremely resistant to breakage from temperature changes.
Wiring Diagram

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

Millivolt Wiring
(for gas control valve)

120 Volt Wiring

Replacement Parts List

Caution: Use only Travis Industries replacement parts. Do not use substitute materials.

<table>
<thead>
<tr>
<th>Part Description</th>
<th>Part Number</th>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Shutter</td>
<td>93006513</td>
<td>Log Set</td>
<td>93006530</td>
</tr>
<tr>
<td>Air Shutter Assembly</td>
<td>93006512</td>
<td>Orifice, Gas, .0625,</td>
<td>98900717</td>
</tr>
<tr>
<td>Air Shutter Control Rod</td>
<td>93006514</td>
<td>Orifice, Gas, #37</td>
<td>98900713</td>
</tr>
<tr>
<td>Base Black Paint</td>
<td>93008175</td>
<td>Orifice, Pilot, .016</td>
<td>91001506</td>
</tr>
<tr>
<td>Blower, Convection</td>
<td>98900755A</td>
<td>Orifice, Pilot, .021</td>
<td>91001505</td>
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<tr>
<td>Blower Mounting Grommets w Spacers</td>
<td>93005017</td>
<td>Piezo Igniter</td>
<td>98900751</td>
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<tr>
<td>Burner Assembly</td>
<td>93006510</td>
<td>Pilot Assembly Gasket</td>
<td>93006022</td>
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<td>Burner Mixing Tube</td>
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<td>Pilot Assembly, LP</td>
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<tr>
<td>Control Valve (NG)</td>
<td>93006506</td>
<td>Pilot Assembly, NG</td>
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<tr>
<td>Control Valve (LP)</td>
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<td>Pilot Tube</td>
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<td>Conversion Parts, LP</td>
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<td>Power Cord w Connector</td>
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<tr>
<td>Conversion Parts, NG</td>
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<td>Pressure Relief Doors</td>
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<tr>
<td>Enamel Touch-Up, Cameo</td>
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<td>Regulator, (ND)</td>
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<tr>
<td>Enamel Touch-Up, Pyrestone</td>
<td>99500123</td>
<td>Regulator, (LP)</td>
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<tr>
<td>Enamel Touch-Up, Oxford Brown</td>
<td>100-02406</td>
<td>Rheostat</td>
<td>93006504</td>
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<tr>
<td>Gas, Flex-pipe, 3/8 x 10</td>
<td>91002560</td>
<td>Snap Disk, 120 Degree</td>
<td>98900720</td>
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<tr>
<td>Glass Latch Assembly</td>
<td>93006521</td>
<td>Stove Pack, Cameo</td>
<td>98900433</td>
</tr>
<tr>
<td>Glass w/Frame</td>
<td>93006520</td>
<td>Stove Pack, Pyrestone</td>
<td>98900484</td>
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<tr>
<td>Knob for Rheostat</td>
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<td>Stove Pack, New Iron</td>
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<td>Latch Tool for Glass Frame</td>
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<td>Switch, On/Off</td>
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<tr>
<td>Log, Left</td>
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<td>Thermocouple</td>
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<tr>
<td>Log, Left Twig</td>
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<td>Log, Rear</td>
<td>93006531</td>
<td>Wiring Harness</td>
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<tr>
<td>Log, Right</td>
<td>93006532</td>
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<tr>
<td>Log, Right Twig</td>
<td>93006514</td>
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</tbody>
</table>
The safety (listing) label is on the back of the stove. A copy of the safety label is shown below.

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### Safety Label

**Report No. 028-S-28-5**
Certified for USA & Canada


Must be installed in accordance with the manufacturer’s installation instructions and all local codes, if any; if not, follow current ANSI Z223.1, NFPA 54 and CGA B149. This vented gas fireplace heater is equipped at the factory for use with natural gas. If conversion to propane (LP) fuel is desired, the optional factory conversion kit must be used. This appliance uses a millivolt-type control system consisting of a gas control valve/regulator, a standing pilot burner assembly, a thermopile, a piezo ignitor, and the ON/OFF switch. THIS UNIT DOES NOT REQUIRE 110 VOLT POWER TO OPERATE. All exhaust gases must be vented outside the structure of the living-area. Combustion air is drawn from outside the living-area structure. This appliance is only for use with the type of gas indicated on the rating plate and may be installed in an aftermarket, permanently located, manufactured (mobile) home where not prohibited by local codes. See owner’s manual for details. This appliance is not convertible for use with other gases, unless a certified kit is used. May be installed in a bedroom - in Canada install with a listed thermostat, in the USA install per local codes.

This vented gas fireplace heater is not for use with air filters.

**WARNINGS:**

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the information in the owner’s and installation manual provided with this appliance. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

Installation and repair should be performed 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 where excessive lint from material like carpeting and bedding is present. The control compartment, the burner compartment and all circulating air passageways of the appliance must be kept clean and clear at all times. See installation instructions accompanying appliance.

Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.

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

Operation of this appliance when not connected to a properly installed and maintained venting system or tampering with the blocked vent shutoff system can result in carbon monoxide (CO) poisoning and possible death.

Vented gas fireplace heater - Not for use with solid fuel.

Children and adults should be alerted to the hazards of high surface temperature and should stay away to avoid flesh burns or clothing ignition. Young children should be carefully supervised at all times when they are in the same room as the appliance.

**CAUTION:**

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

Hot while in operation. Do not touch. Keep children, clothing, furniture, gasoline and other liquids having flammable vapors away.

Risk of electrical shock. Switch the household breaker off or remove fuse before servicing unit.

Use Simpson DURA-VENT direct vent system (Model GS) to vent this appliance to the exterior (direct discharge only without duct connection).

### Minimum Clearances to Combustibles

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<td>31,000</td>
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This appliance is equipped only for altitudes 0-2000 ft. (0-610 m) in USA; in Canada, 0-4500 ft. (0-1370 m).

**Electrical Rating:** 115v, 1.5 Amps, 60 Hz

**Manufacture Dates:**
- 2001 Apr.
- 2002 Jul.

**Travis Industries**

10500 117th Pl. N.E. Kirkland, WA 98033

32 Safety Label

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32 Safety Label

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32 Safety Label
Warranty

To register your TRAVIS INDUSTRIES, INC. 7 Year Warranty, complete the enclosed warranty card and mail it within ten (10) days of the appliance purchase date to: TRAVIS INDUSTRIES, INC., 10850 117th Place NE., Kirkland, Washington 98032. TRAVIS INDUSTRIES, INC. warrants this gas appliance (appliance is defined as the equipment manufactured by Travis Industries, Inc.) to be defect-free in material and workmanship to the original purchaser from the date of purchase as follows:

**Years 1 & 2 - COVERAGE: PARTS & LABOR**

- **Burner Assembly:**
  - Burner Pan, Mixing Tube, Air Shutter Assembly, Main Burner Orifice
- **Firebox Assembly:**
  - Adjustable Air Restrictor, Pressure Relief Mechanisms (direct vents only), Glass Attachment Mechanism
- **Gas Control Assembly:**
  - Adjustable control valve, millivolt wiring and connectors (located within the metal heater structure), thermopile, thermocouple, pilot hood, orifices, pilot gas line, piezo ignitor

- **Cast Iron Shell:**
  - Cast Sides, Front, Top, Bottom, & Legs
- **Ceramic Glass:**
  - Glass (breakage from thermal shock)
- **Ceramic Logs:**
  - Log Set
- **Electrical Assembly:**
  - Blower, wiring harness, snap discs, rheostat speed control

**Convection Heat Exchanger**

**Re-Installation Allowance**

In cases where heater must be removed from home for repairs, a partial cost of re-installation is covered (pre-authorization required)

**One-Way Freight Allowance**

One-way freight allowance on pre-authorized repair done at factory is covered.

**Exclusions:**

- Paint, Gasketing, Enamel Finish, Stone Inserts

**Years 3 THROUGH 5 - COVERAGE: PARTS & LABOR**

- **Firebox Assembly:**
  - Adjustable Air Restrictor, Pressure Relief Mechanisms (direct vents only), Glass Attachment Mechanism
- **One-Way Freight Allowance:**
  - One-way freight allowance on pre-authorized repair done at factory is covered
- **Cast Iron Shell:**
  - Cast Sides, Front, Top, Bottom, & Legs

**Convection Heat Exchanger**

**Exclusions:**

- Paint, Gasketing, Enamel Finish, Stone Inserts, Burner Assembly, Electrical Assembly, Gas Control Assembly, Ceramic Glass, Ceramic Logs, Re-Installation Allowance

**Years 6 & 7 - COVERAGE: PARTS ONLY**

- **Firebox Assembly:**
  - Adjustable Air Restrictor, Pressure Relief Mechanisms, Glass Attachment Mechanism
- **Paint, Gasketing, Enamel Finish, Stone Inserts:**
  - Burner Assembly, Electrical Assembly, Gas Control Assembly, Ceramic Glass, Ceramic Logs, Convection Heat Exchanger, Re-Installation Allowance, One-Way Freight Allowance, Labor

**CONDITIONS & EXCLUSIONS**

1. This new gas appliance must be installed by a qualified gas appliance technician. It must be installed, operated, and maintained at all times in accordance with the instructions in the Owner’s Manual. Any alteration, willful abuse, accident, neglect, or misuse of the product shall nullify this warranty.

2. This warranty is nontransferable, and is made to the ORIGINAL purchaser, provided that the purchase was made through an authorized TRAVIS dealer.

3. If your dealer is unable to repair your appliance, you MUST REPORT it to your TRAVIS dealer WITHIN 30 DAYS, giving them proof of purchase, the purchase date, and the model name and serial number.

4. This warranty is void if:
   a. The unit has been operated in atmospheres contaminated by chlorine, fluorine or other damaging chemicals.
   b. The unit is subject to submersion in water or prolonged periods of dampness or condensation.
   c. Any damage to the unit, combustion chamber, heat exchanger or other components due to water, or weather damage which is the result of, but not limited to, improper chimney/venting installation.

5. Exclusions to this 7 Year Warranty include:
   - Injury, loss of use, damage, failure to function due to accident, negligence, misuse, improper installation, alteration or adjustment of the manufacturer’s settings of components, lack of proper and regular maintenance, damage incurred while the appliance is in transit, alteration, or act of God.
   - This 7 Year warranty excludes damage caused by normal wear and tear, such as paint discoloration or chipping, worn or torn gasketing, corroded or cracked logs, embers, etc. Also excluded is damage to the unit caused by abuse, improper installation, modification of the unit, drilling of the orifices, or the use of fuel other than that for which the unit is configured. Units are shipped for natural gas and must be converted to propane using the included conversion kit. Confirm fuel configuration with your installer.
   - Damage to gold, nickel, or brass surfaces caused by fingerprints, scratches, melted items, or other external sources left on the surface is not covered in this warranty. Damage from the use of cleaners other than denatured alcohol on gold or nickel is not covered in this warranty. Damage from the use of abrasive cleaners on brass is not covered in this warranty.
   - TRAVIS INDUSTRIES, INC. assumes no liability for any damages caused by the appliance, as well as inconvenience expenses and materials. Incidental or consequential damages are not covered by this warranty.
   - In some states, the exclusion of incidental or consequential damage may not apply.

6. If for any reason your appliance is declared invalid, the balance of the warranty remains in effect and all other clauses shall remain in effect.

7. This 7 YEAR WARRANTY IS THE ONLY WARRANTY SUPPLIED BY TRAVIS INDUSTRIES, INC., THE MANUFACTURER OF THE APPLIANCE. ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, ARE HEREBY EXPRESSLY DISCLAIMED AND PURCHASER'S RECOURSE IS EXPRESSLY LIMITED TO THE WARRANTIES SET FORTH HEREIN.

**IF WARRANTY SERVICE IS NEEDED:**

1. If you discover a problem that you believe is covered by this warranty, you MUST REPORT it to your TRAVIS dealer WITHIN 30 DAYS, giving them proof of purchase, the purchase date, and the model name and serial number.

2. Travis Industries has the option of either repairing or replacing the defective component.

3. If your dealer is unable to repair your appliance’s defect, he may process a warranty claim through TRAVIS INDUSTRIES, INC., including the name of the dealership where you purchased the appliance, a copy of your receipt showing the date of the appliance’s purchase, and the serial number on your appliance. At that time, you may be asked to ship your appliance, freight charges prepaid, to TRAVIS INDUSTRIES, INC., at its option, will repair or replace, free of charge, your TRAVIS appliance if it is found to be defective in material or workmanship within the time frame stated within this 7 year warranty. TRAVIS INDUSTRIES, INC. will return your appliance, freight charges (years 1 to 5) prepaid by TRAVIS INDUSTRIES, INC., to your regional distributor, or dealership.

4. Check with your dealer in advance for any costs to you, when arranging a warranty call. Dealers may require you to pay a service or trip charges for any warranty work. This charge can vary from store to store.
**LP Conversion Instructions**

*Install the conversion kit prior to installing the gas line to ensure proper gas use.*

1. Remove the face and glass (see page 22). Remove the log set (if installed - page 23)
2. Remove the burner (see illustration below).

   - Reach into the firebox and lift the burner upwards.
   - Do not lift burner out by the pins.
   - Pull the burner forward, out of the firebox.
   - This tube on the burner inserts into this tube on the mixing tube.
   - When installing, make sure the burner rests on this ledge with the center air channel fitting over this tab.

**Older Model Burners**

Older models (Berkshires s.n. 857740 or less - Prairies s.n. 801307 or less) utilize a different burner and mounting method (see illustration to right). If replacing the burner, refer to the instructions included with the replacement burner for installation instructions. When installing, make sure the burner rests on the two ledges at the sides of the firebox.
3 Follow the directions below to remove the natural gas orifice. Apply thread sealant to the LP orifice (it has ".062" stamped on it) and tighten in place with a 1/2" open end wrench. Replace and secure the mixing tube.

4 Remove the pilot orifice following the instructions below. Replace with the propane pilot orifice. The propane conversion kit includes pilot orifice with "35" stamped on it. Replace burner pan.

**NOTE:** when re-attaching, this pin lines up with the notch in the pilot hood.
5. Remove the regulator from the front of the gas control valve. Replace with the propane regulator, using the new gasket and screws included with the regulator. **NOTE:** Leak test this area after the heater is installed, gas is connected, and the main burner is lit.

![Diagram of regulator installation](image)

Remove and discard the three screws using a slotted screwdriver of Torx T-20.

Remove and discard the regulator, diaphragm, spring and center post.

Install the LP regulator. Use the screws included with the LP regulator. Tighten to approximately 25 Lbs. torque.

Place the LP label on top of the control cover near the gas control valve.

6. Make the gas line connection, bleed the gas line (if applicable), start the heater and thoroughly leak-test all gas connections and the gas control valve. Check the pilot. Adjust if necessary.

**WARNING:** When lighting or re-lighting the pilot, the glass must be removed (see page 22).

To adjust the pilot flame, turn this screw (NOTE: if totally unscrewed gas will come out of this port). Clockwise lowers the flame while counter-clockwise raises it.

The pilot flame must contact the thermocouple and thermopile (see the illustration below). Adjust the pilot up or down as necessary.

7. Install the log set (see page 23).

8. Replace the glass and face (see page 22).
Optional Equipment  (for qualified installers only)  37

**Blower (part # 99000153)**

**WARNING:** Turn the gas control valve to off and make sure the appliance has fully cooled prior to conducting service.

1. Attach the two black wires at the rear right of the stove to the thermodisk (orientation does not matter). Then slide the thermodisk into the holder underneath the burner pan.

2. Place the blower near the rear of the stove. Attach the wiring in grommets following the directions below.

   - Route the wires labeled “Valve on/off” and “Solenoid” under the burner pan to a location near the gas control valve. Attach the two wires leading from the control box to the two block wires labeled “Rheostat”.
   - Slide the rubber grommets (with spacers inserted inside) onto the fan mounting bracket.
   - DO NOT PLUG THE STOVE IN UNTIL INSTALLATION IS COMPLETE.

   - Attach the molex connector.
   - Remove one of the screws holding the mounting bracket in place. Insert the screw through the eyelet on the green ground wire and replace. 1/4” Nutdriver
   - Attach the black and white wires labeled “Blower” to the blower (orientation does not matter).
3. Slide the left side of the blower mounting bracket over the grommets on the left mounting bracket attached to the stove (see the illustration below). Then insert the stud plate through the right side grommets and through the right mounting bracket on the stove. Secure the stud plate with the included washers and nuts.

4. Make sure all of the wiring is placed away from the blower impeller and the bottom of the burner. Use lock ties, if necessary, to ensure no wires are damaged.

5. Open the control cover following the directions below. Remove the button plug and install the rheostat.

   a. Loosen the two screws holding the control box in place. This allows access to the back of the control box.
   b. Remove the button plug from the control box.
   c. Attach the rheostat wires to the two quick connects inside the control box (orientation does not matter).
   d. Attach the rheostat to the control panel with the included nut and star washer.
   e. NOTE: make sure the fiberglass heat shield is in place when re-attaching the control box.
   f. NOTE: this tab fits into the hole on the mounting bracket.

6. Plug the blower in. Let the heater achieve operating temperature and test blower operation.
Stone or Linenfold Inserts  (Granite 99600200, Soap Stone 996000201, Marble 99600202, Linenfold 99600204)

**WARNING:** Turn the gas control valve to off and make sure the appliance has fully cooled prior to conducting service.

1. Remove the face following the directions on page 22.

2. Remove the stove top following the directions below.

   - Loosen (or remove) the screw and locking tab under the stove top.
   - Use both hands to pull the stove top forward, rotate it up, then lift it off the stove.

3. Loosen the bolts holding the side insert retainers following the directions below.

   - Loosen the bolts at the front of the cast sides a couple of turns. Then rotate the retainer up.
40 Optional Equipment (for qualified installers only)

4. Remove the cast side inserts (if applicable). Slide the stone side inserts into place following the directions below. Replace the side insert retainers and tighten the bolts loosened in step "3" above (do not over-tighten – the side inserts brackets need only be tight enough to prevent the side inserts from rattling.

Use both hands to guide the side stones into place.

WARNING: The stones very fragile and scratch easily.

3/8" Wrench

NOTE: If the side insert retainer is too tight, you may loosen the bolt at the rear sides of the stove.

Side Insert Retainer (rotate out of the way if necessary)

5. Place the stove top upside down on a smooth, non-scratching surface. Install the stone inserts into the stove top following the directions below. Replace the stove top and face to finalize the installation.

Note: On the Fyrestone the clips and screws are shipped with the stove in the owner’s pack.

Note: You may have two sets of clips - use the clips best suited for the thickness of the stone being used.

Place the stone inserts into the indents on the stove top. Attach with the clips and screws.

NOTE: slide the inserts inwards as far as possible to prevent them from striking the sides of the cast body.

These clips are for the linenfold, marble, & granite inserts.

These clips are for the soapstone inserts.
**Fireback (Part # 99600220)**

**WARNING:** Turn the gas control valve to off and make sure the appliance has fully cooled prior to conducting service.

1. Before installing, remove the face, glass, and logs. Install the firebacks following the directions below.

   - **A** Remove the screws at the top of the firebox walls.
   - **B** Place the rear fireback (it rests on the two ledges on each side of the firebox). The side firebacks keep the rear fireback from tilting forward.
   - **C** Place the side firebacks on the ledges at each side of the firebox.
   - **D** Secure the firebacks with the included clips and screws (removed in step "a").

**Hearth Pad (Granite #99600211, Soap Stone #99600210, Marble #99600212)**

**NOTE:** The hearth pad should be placed in location prior to installing the stove. Make sure to consider the 1-1/2" thickness of the hearth pad when planning the gas line and vent installation. Refer to the illustration below for dimensions.

**NOTE:** We recommend placing the stove so the front of the stove top is flush with the front of the hearth pad.
ADDENDUM #1 Class A Chimney Conversion Kit

Simpson Duravent provides a conversion kit for those wishing to use an existing wood stove chimney to vent this direct vent stove. The illustration below gives an overview of this type of installation. See the instructions included with the kit for details.

! Do not exceed the maximum vertical rise (see the section "Approved Vent Configurations" starting on page 11) allowable. Remember to set the restrictor position to the correct position (based upon the vertical rise height - see the chart on page 11).

! The conversion kit does not work on interior masonry chimneys.

**Chimney Conversion Kit A (# 931)***
- Metalbestos 6” I.D.
- Security Chimneys 6” I.D.
- Jackes-Evans 6” I.D.
- Hart & Cooley 6” I.D.
- Pro-Jet 6” I.D.

**Chimney Conversion Kit B (# 932)***
- Simpson Dura-Vent 6” I.D.
- Air-Jet 6” I.D.
- Metal-Fab 6” and 7” I.D.
- Amer. Metals 6” & 7” I.D.
- Metalbestos 7” and 8” I.D.
- Jackes-Evans 7” and 8” I.D.
- Hart & Cooley 7” and 8” I.D.
- Pro-Jet 7” and 8” I.D.
- Security Chimneys 8” I.D.

**Chimney Conversion Kit C (# 933)***
- Simpson Dura-Vent 7” and 8” I.D.
- American Metals 8”  I.D.
- Air-Jet 8” I.D.
- Metal-Fab 8” I.D.
- American Metals 8” I.D.

**Each Kit Contains:**
- Retro Connector
- Retro Vertical Top

**Additional Required Equipment:**
- 4” Flex (#711 or U.L. 1777)
- Termination (#991)
- Co-Axial Sections
**ADDENDUM #2 Interior Masonry Chimney Conversions**

- Follow the requirements and use the equipment listed in the illustration below to install this appliance into an interior masonry chimney.
- Maximum vertical rise is 40'
- Minimum vertical rise is 10'
- See the chart on page 13 for determining the correct restrictor position.

**NOTE:** these restrictor positions are based upon lab tests. The ideal restrictor position may vary slightly.

### Interior Masonry Chimney

The entire chimney system must be air-tight. Make sure to seal the flashing, clean-out, and thimble connection, and to inspect the chimney.

Make sure the coaxial pipe maintains a 1" clearance to any combustible. The vent must be sealed air-tight.

### Standard Masonry Fireplace

The entire chimney system must be air-tight. Seal the connector cover and inspect the chimney.

Make sure the coaxial pipe maintains a 1" clearance to any combustible. The vent must be sealed air-tight.
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