# Answer Wood Stove

## Owner's Manual



- **Freestanding Stove**
- **Mobile-Home Approved**
- **Alcove Approved**
- **Hearth-Stove Approved**
- **Masonry Fireplace Insert**
- **Zero-Clearance (Metal) Fireplace Insert**

*Save these instructions for future reference*




## SAFETY NOTICE:

If this appliance is not properly installed, a house fire may result. For your safety, follow the installation directions. Contact local building or fire officials about restrictions and installation inspection requirements in your area.

TRAVIS INDUSTRIES
HOUSE OF FIRE

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$10.00 100-01332
4141211

Intertek
Tested to:
U.L. 1482, ULC S267-00, ULC S628-M93

## Introduction

We welcome you as a new owner of a Lopi Answer wood-burning stove. In purchasing a Lopi Answer 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 Lopi Answer is one of the finest appliances the world over. This manual will explain the installation, operation, and maintenance of this appliance. Please familiarize yourself with the Owner's Manual before operating your appliance and save the manual for future reference. Included are helpful hints and suggestions which will make the installation and operation of your new appliance an easier and more enjoyable experience. We offer our continual support and guidance to help you achieve the maximum benefit and enjoyment from your appliance.

## Important Information

No other Lopi Answer appliance has the same serial number as yours. The serial number is stamped onto the label on the back of the appliance.

This serial number will be needed in case you require service of any type.

Model: Lopi Answer ND

Serial Number: _____

Purchase Date: _____

Purchased From: _____

_____

_____

**Register your warranty online at:**

**traviswarranty.com**

**Save Your Bill of Sale.**

To receive full warranty coverage, you will need to show evidence of the date you purchased your heater.

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.

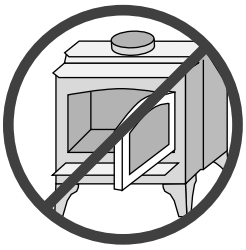
NATIONAL FIREPLACE INSTITUTE NFI CERTIFIED www.nficertified.org

We suggest that our woodburning hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Woodburning Specialists or who are certified in Canada by Wood Energy Technical Training (WETT).

Wood Energy Technical Training www.wettinc.ca

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The viewing door must be closed and latched during operation.

Smoke from this appliance may active a smoke detector when the door is open.

Never block free airflow through the air vents on this appliance.




Gasoline or other flammable liquids must never be used to start the fire or "Freshen Up" the fire. Do not store or use gasoline or other flammable liquids in the vicinity of this appliance.



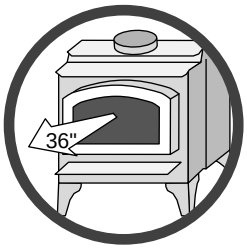
This appliance is designed and approved for the burning of cord wood only. Do not attempt to burn any other type of fuel other than cord wood in this appliance, it will void all warranties and safety listings.




Ashes must be disposed in a metal container with a tight lid and placed on a non-combustible surface well away from the home or structure.



Do not touch the appliance while it is hot and educate all children of the danger of a high-temperature appliance. Young children should be supervised when they are in the same room as the appliance.



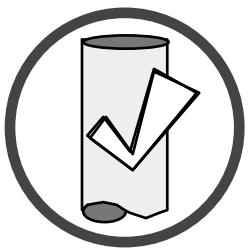

Keep furniture, drapes, curtains, wood, paper, and other combustibles a minimum of 36" away from the front of the appliance.



This appliance must be properly installed to prevent the possibility of a house fire. The instructions must be strictly adhered to. Do not use makeshift methods or compromise in the installation.

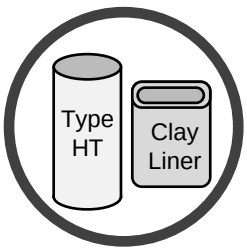



Contact your local building officials to obtain a permit and information on any installation restrictions or inspection requirements in your area. Notify your insurance company of this appliance as well.



Inspect the chimney connector and chimney at least twice monthly and clean if necessary. Creosote may build up and cause a house fire.

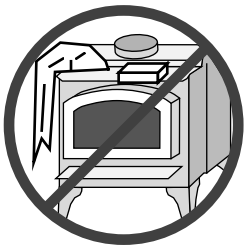
Do not connect this appliance to any chimney serving another appliance.



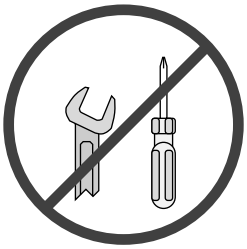

This appliance must be connected to a listed high temperature (UL 103 HT) residential type chimney or an approved masonry chimney with a standard clay tile, or stainless steel liner.



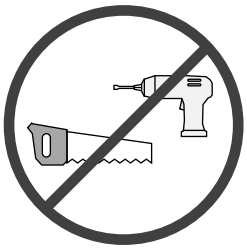

When installed in a mobile home, this appliance must be bolted to the floor, have outside air, and not be installed in the bedroom (Per H.U.D. requirements). Check with local building officials.



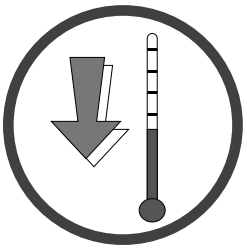
Do not place clothing or other flammable items on or near this appliance.



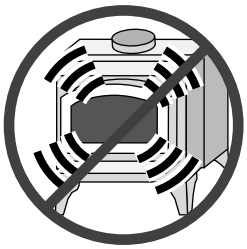
Never try to repair or replace any part of this appliance unless instructions are given in this manual. All other work must be done by a trained technician. Do not make any changes or modifications to an existing masonry fireplace or chimney to install this appliance.



This wood heater has a manufacturer-set minimum low burn rate that must not be altered. It is against federal regulations to alter this setting or otherwise operate this wood heater in a manner inconsistent with operating instructions in this manual.



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



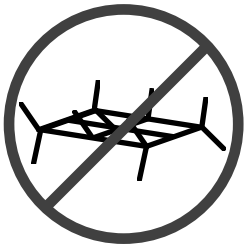
Overfiring the appliance may cause a house fire. If a unit or chimney connector glows, you are overfiring.



Maintain the door and glass seal and keep them in good condition.

Do not operate this heater with broken or missing glass.

Avoid placing wood against the glass when loading. Do not slam the door or strike the glass.



Do not use a grate or other device to elevate the fire off of the firebox floor. Burn the fire directly on the bricks.




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.



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

**Smoke and CO Detectors**: Make sure your home has a working smoke detector, especially near any bedrooms. We recommend having a smoke and/or CO detector in the same room as the wood heater for additional safety.

**Proposition 65 Warning**: Fuels used in gas, woodburning or oil fired appliances, and the products of combustion of such fuels, contain chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

California Health & Safety Code Sec. 25249.6

## Installation Options

- Freestanding
- Freestanding in an Alcove
- Freestanding in a Mobile Home
- Masonry Fireplace Insert
- Zero-Clearance (Metal) Fireplace Insert

## Features

- 1.6 Cubic Foot Firebox Volume
- Single Operating Control
- Accepts Logs Up to 18" Long
- Steel Plate Construction (1/4" & 3/16")
- Heavy Duty Refractory Firebrick
- Optional High-Tech Blower

## Heating Specifications

| | |
|---|---|
| Approximate Maximum Heating Capacity (in square feet)* | 750 to 1,400 (stove)<br>750 to 1,200 (insert) |
| Maximum BTU's per Hour (Cord Wood Calculation) | 66,800 |
| Maximum Burn Time | Up to 8 Hours |

* Heating capacity will vary depending on the home's floor plan, degree of insulation, and the outside temperature. It is also affected by the quality and moisture level of the fuel.

This model was not tested for efficiency however it is assigned a default efficiency of 63% by the EPA under previous subpart AAA. Efficiency of this wood heater will be affected by the operational burn rate and the moisture content of the wood used as fuel.

## Dimensions

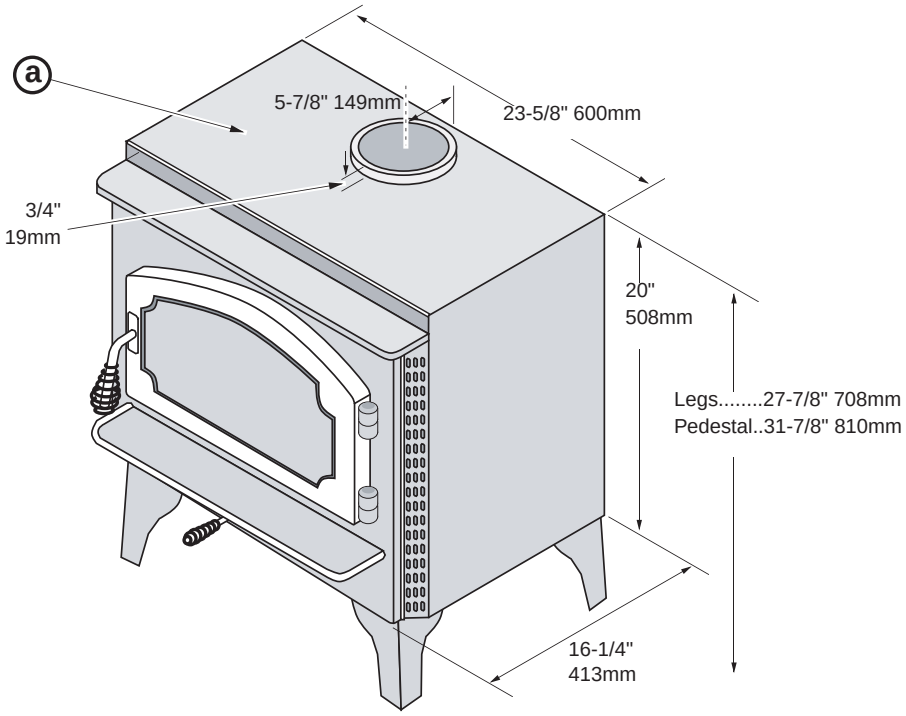



**Figure 1**

(a) Measure all side, corner, and back clearances from the stove top.

## Emissions

This heater meets the 2015 U.S. EPA's crib wood emission limits for wood heaters sold after May 15, 2015. Tested to Method 28, 5H this heater has been shown to deliver heat at rates ranging from 11,600 to 38,500 BTU/hr and an emission value of 4.4g/h.

# 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. Contact local building or fire officials about restrictions and installation inspection requirements in your area.**

## *Planning The Installation*

We suggest that you have an authorized Travis Industries dealer install your stove. If you install the stove yourself, your authorized dealer should review your installation plans.

Check with local building officials for any permits required for installation of this stove and notify your insurance company before proceeding with installation.

The location of your wood heater in your home will decide how affectively the heat produced will spread throughout your house. Attention to the home design with consideration of natural convection and air circulation should be taken into account when choosing the placement of your heater within the home.

### Preparation for Installation

- Check for damage to the exterior of the stove (dents should be reported, scratches can be fixed by applying touch-up paint).
- Check the interior of the firebox (replace cracked firebrick and make sure baffle is in place).

The stove can be lightened by removing the firebricks and baffle (pg 36) - replace before operation.

### Additional Accessories Needed for Installation

- Legs or Pedestal
- Door Shell

| | Old Part # (includes ashlip trim) | New Part # (no ashlip trim) |
|---|---|---|
| **Small Black** | 99300195 | 96100634 |
| **Small Brass** | 99300196 | 96100635 |
| **Small Pewter** | 99300199 | 96100636 |

### Stove Installation Considerations

The table below details the six most common types of installations and the considerations for each type. Alternative methods of installation are available if they comply with local building codes.

| Installation Type | Considerations |
|---|---|
| Standard Ceiling with a Factory Built Chimney (Page 15) | • Requires ceiling and roof penetration<br>• Provides best draft |
| Cathedral Ceiling with a Factory Built Chimney (Page 15) | • Cathedral style chimney support required<br>• Provides best draft |
| Exterior Factory Built Chimney (Page 16) | • Uses two elbows to route chimney outside<br>• Exterior chimney is hidden from the room<br>• Elbows reduce draft<br>• Optional exterior chase reduces cold air blockage |
| Hearth Stove Positive Connection (Page 16) | • Utilizes existing masonry or zero clearance (metal) chimney<br>• Provides good draft due to full reline<br>• Easier to clean than direct or horizontal hearth stove |
| Hearth Stove Direct Connection (Page 17)<br>NOT APPROVED IN CANADA | • Utilizes existing masonry or zero clearance (metal) chimney<br>• Requires construction of a "block-off plate"<br>• Draft reduced due to elbows & chimney cross section |
| Interior Masonry Chimney (Page 17)<br>NOT APPROVED IN CANADA | • Utilizes existing masonry chimney (not approved for zero clearan (metal) fireplaces) |

# 8 Stove Installation (for qualified installers only)

## Packing List

- Wood Moisture Meter

## Floor Protection Requirements

- Stove must be placed on the Travis Industries legs or Pedestal.
- Floor protection must extend to the sides, rear, and front of the stove (see “Clearances” below for minimum floor protection).
- Floor protection must be non-combustible and at least .018" thick (26 guage).

## Stove Placement Requirements



Clearances may be reduced by methods specified in NFPA 211, listed wall shields, pipe shields, or other means approved by local building or fire officials.

- Stove must be placed so that no combustibles are within, or can swing within (e.g. drapes, doors), 36" of the front of the stove
- If the stove is placed in a location where the ceiling height is less than 7', it must follow the requirements in the section "Alcove Installation Requirements"
- Must maintain the clearances to combustibles listed below (drywall, furniture, etc.):

## Clearances

- The following clearances must be met (see Figure 2 and Figure 3)

| Clearance Requirements: | | Singlewall Connector | | Reduced Clearance* | |
|---|---|---|---|---|---|
| A | Sidewall to stove | 18" | 458mm | 13" | 331mm |
| B | Backwall to stove | 16.5” | 420mm | 9" | 229mm |
| C | Cornerwall to stove | 10" | 254mm | 7.5" | 191mm |
| D | Connector to sidewall | 27" | 686mm | 21.5" | 547mm |
| E | Connector to backwall | 19.5" | 496mm | 11.5" | 293mm |
| F | Connector to cornerwall | 19.5" | 496mm | 16.5” | 420mm |
| G | Side & Rear Floor Protector | 6” 153mm (US)<br>8” 204mm (Canada) | | 6” 153mm (US)<br>8” 204mm (Canada) | |
| H | Front Floor Protector | 16” 407mm (US)<br>18” 458mm (Canada) | | 16” 407mm (US)<br>18” 458mm (Canada) | |

*Reduced clearance installations require one of the chimneys and connectors listed below:

AMERI-TEC model DCC with model HS chimney
DURAVENT model DVL with DURATEC or DURA-PLUS chimney
GSW Super Chimney Twenty-One connected directly to appliance
I.C.C. Excel (2100-2 Can.) (103-HT USA) chimney with HP connector
METALFAB model DW connector with TG chimney
OLIVER MACLEOD PROVENT model PV connector with model 3103 chimney
SECURITY model DP connector with SECURITY model ASHT or S2100 chimney
SELKIRK METALBESTOS model DS connector with model SSII chimney
Standard Masonry Chimney with any one of the above listed connectors

NOTE: Reduced clearance connectors may not connect to the flue collar – an appliance adapter may be required.

**NOTE**: Standard residential installations with reduced clearance connector may use the clearance determined by the manufacturer of the connector for the connector to wall clearance or the clearance listed in this manual. Offsets must be used to maintain the stove to wall clearance.

## Top View - Straight Installation

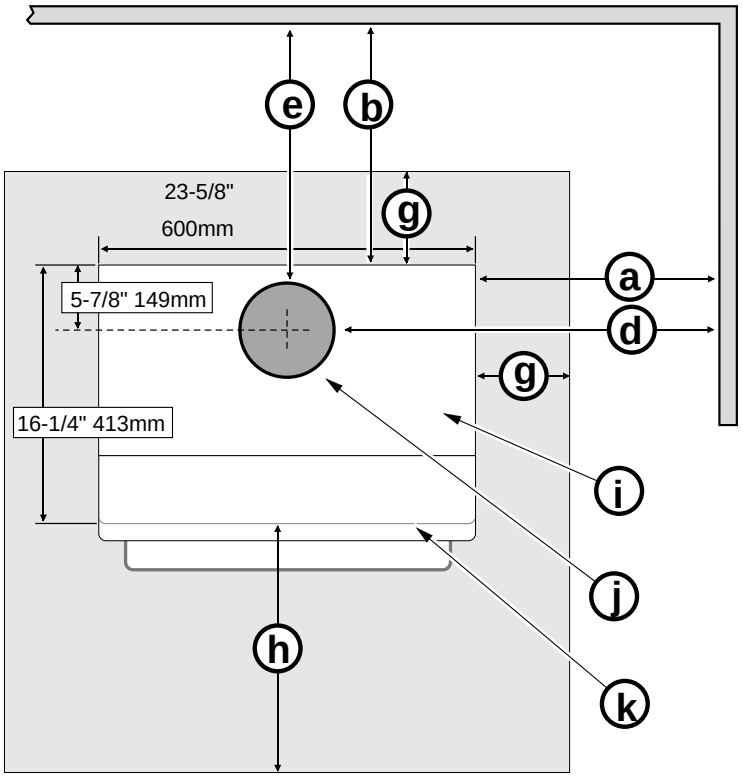



**Figure 2**

## Top View - Corner Installation

**i** Measure rear and side clearances from the nearest edge of the stove top.

**j** NOTE: Vent diameter varies depending on brand and model.

**k** Measure front clearances from the face of the stove (unibody).

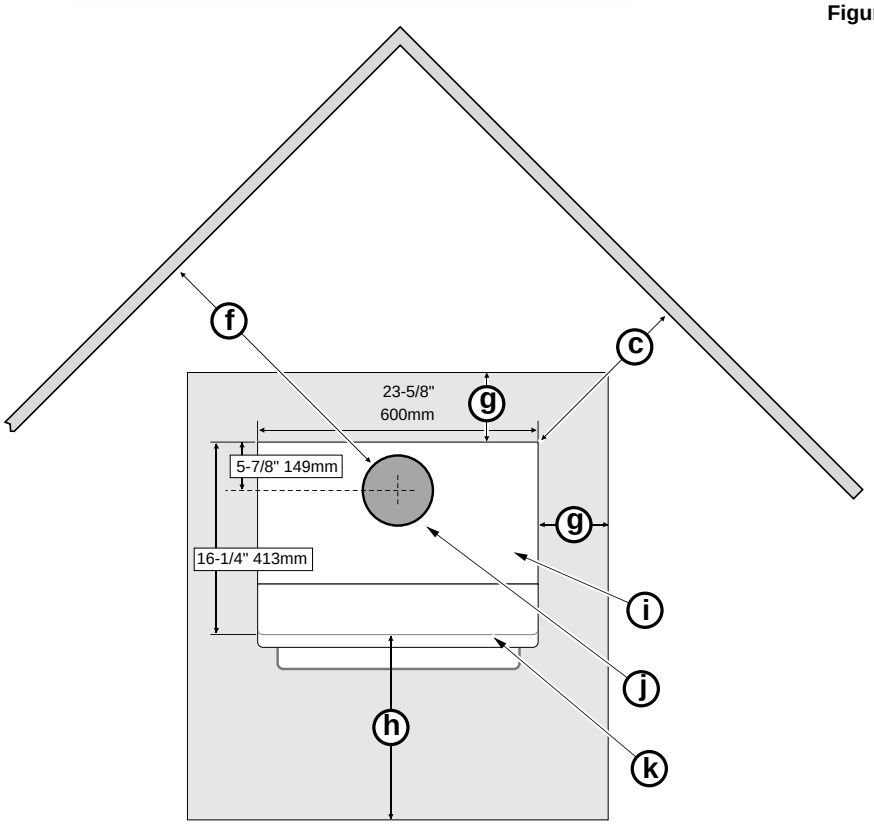


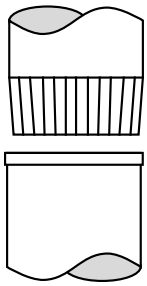

**Figure 3**

## *Chimney Connector Requirements*

- Chimney connector is required from the flue collar of the stove to the factory-built chimney or masonry chimney.
- The chimney connector must be 6" diameter and a minimum 24 gauge black steel, or one of the reduced-clearance connectors listed on page 8.

  NOTE: Aluminum or galvanized steel is not allowed – these materials can not withstand the flue temperatures and may give off toxic fumes when heated.

  NOTE: Standard residential installations may use single-wall connector (Mobile-Homes may **not**).
- The chimney connector may not pass through a ceiling, attic, roof, closet, or any other concealed space (use listed UL 103 HT chimney – see "Chimney Requirements for details). **DO NOT USE CONNECTOR PIPE AS CHIMNEY**.
- IN CANADA: Where passage through a wall, or partition of combustible construction is desired, the installation shall conform to CAN/CSA-B365, Installation Code for Solid-Fuel-Burning Appliances and Equipment.
- The chimney connector should be as short and direct as possible. No more than 180$^{o}$ of elbows (two 90$^{o}$ elbows, or two 45$^{o}$ & one 90$^{o}$ elbow, etc.) may be used for the entire system (connector and chimney).. Horizontal runs should slope upwards 1/4" per foot and be a maximum 36" long.
- The chimney connector must be installed with the crimped end pointing downwards. This prevents creosote from leaking to the exterior of the pipe.



- The chimney connector must be fastened to the stove and each adjoining section (and chimney).
- Standard residential installations may use single-wall connector (Mobile-Homes may **not**)
- Standard residential installations with reduced clearance connector may use the clearance determined by the manufacturer of the connector for the connector to wall clearance or the clearance listed in this manual. Offsets must be used to maintain the stove to wall clearance. Mobile homes must use the clearances listed in this manual under "Additional Requirements for Mobile Home Installations".

## *Chimney Requirements*

- DO NOT CONNECT THIS UNIT TO A CHIMNEY FLUE SERVING ANOTHER APPLIANCE.
- DO NOT CONNECT TO OR USE IN CONJUNCTION WITH ANY AIR DISTRIBUTION DUCTWORK UNLESS SPECIFICALLY APPROVED FOR SUCH INSTALLATIONS.
- IN CANADA: This appliance must be connected to a factory-built chimney conforming to CAN/ULC-S629, Standard for 650°C Factory-Built Chimneys.
- UL 103 HT Chimney must be used from the first ceiling or floor penetration to the chimney cap.
- Use 6" diameter type UL 103 HT chimney from one manufacturer (do not mix brands) or code approved masonry chimney with a flue liner.
- Chimney must be fastened to each adjoining section.
- Follow the chimney manufacturer's clearances and requirements.
- Use the chimney manufacturer's fire stops, attic guards, roof supports, and flashings when passing through a ceiling (see “b” below).
- No more than 180° of elbows (two 90° elbows, or two 45° & one 90° elbow, etc.) may be used for the entire system (connector and chimney).

  NOTE: Additional elbows may be allowed if draft is sufficient. Whenever elbows are used the draft is adversely affected. Additional chimney height may be required to boost draft.

(a) Min. System Height 15’
Max. System Height 33’

(b) Roof Penetration and Termination (see chimney manufacturer’s requirements)

(c) Chimney Sections

(d) Floor Penetration (see chimney manufacturer’s requirements)

(e) Min. air space to combustibles (see chimney manufacturer’s requirements – typically 2”)

(f) Connector – see “Chimney Connector” on the previous page.

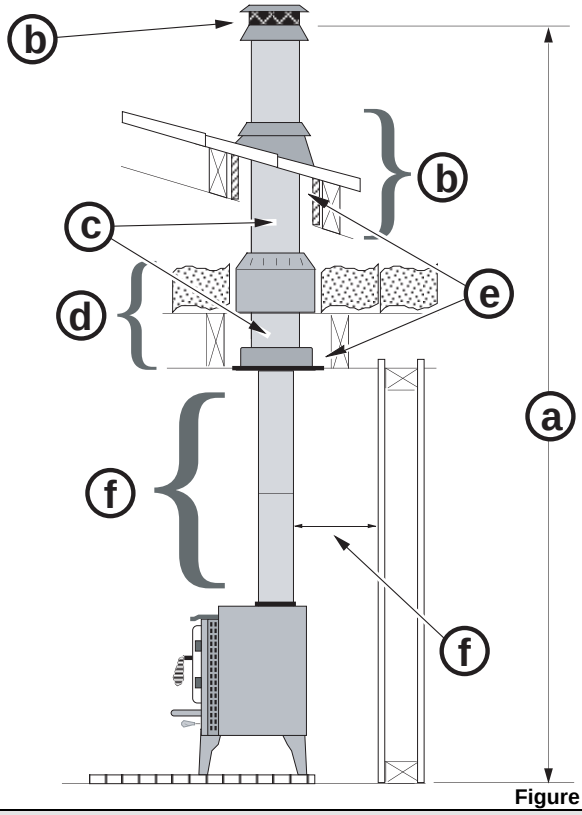



**Figure 4**

| | |
|---|---|
| **Drafting Performance** | Draft is the force which moves air from the appliance up through the chimney. The amount of draft in your chimney depends on the length of the chimney, local geography, nearby obstructions and other factors. Too much draft may cause excessive temperatures in the appliance and may damage the heater. Inadequate draft may cause backpuffing into the room and `plugging' of the chimney. Inadequate draft will cause the appliance to leak smoke into the room through appliance and chimney connector joints. An uncontrollable burn or excessive temperature indicates excessive draft. |

## *Chimney Termination Requirements*

- Must have an approved cap (to prevent water from entering).
- Must not be located where it will become plugged by snow or other material.
- Must terminate at least 3' (914mm) above the roof **and** at least 2' (610mm) above any portion of the roof within 10' (3.04M) - see Figure 5.

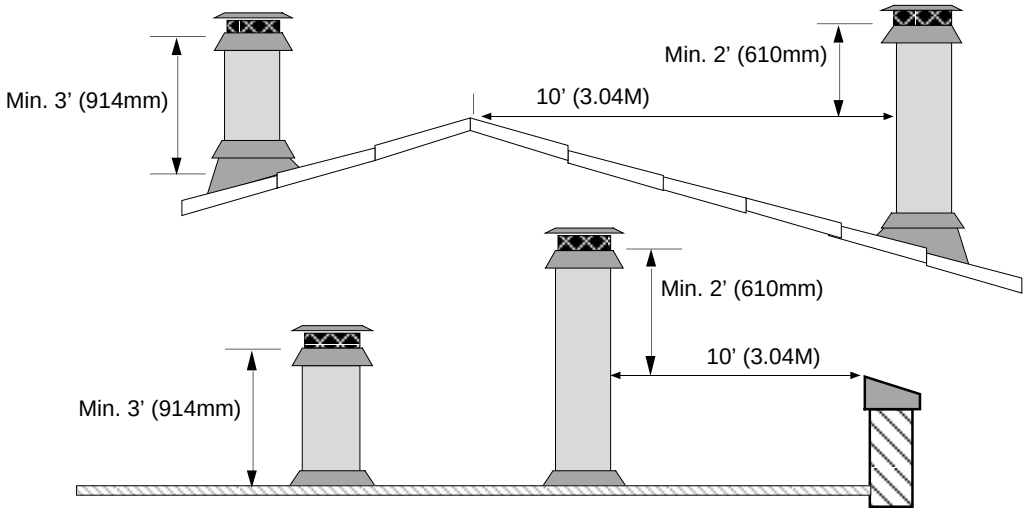



**Figure 5**

## *Outside Air Requirements*

- Required for mobile homes & in certain localities (check with building officials).
- Must not be drawn from an enclosed space (garage, unventilated crawl space). May be drawn from ventilated crawl space (a) or exterior of home (d). Must have suitable rodent/debris screen and rain protection (hood).
- Requires the optional outside air kit (sku 99200139 – see (c) and (e) below), air boot (for legs), or pedestal (b).
- Air duct maximum length is 15' (4.57M) with a minimum cross section of 16 square inches (10404mm) or 6' (1.82M) with a minimum cross section of 7 square inches (4489mm).

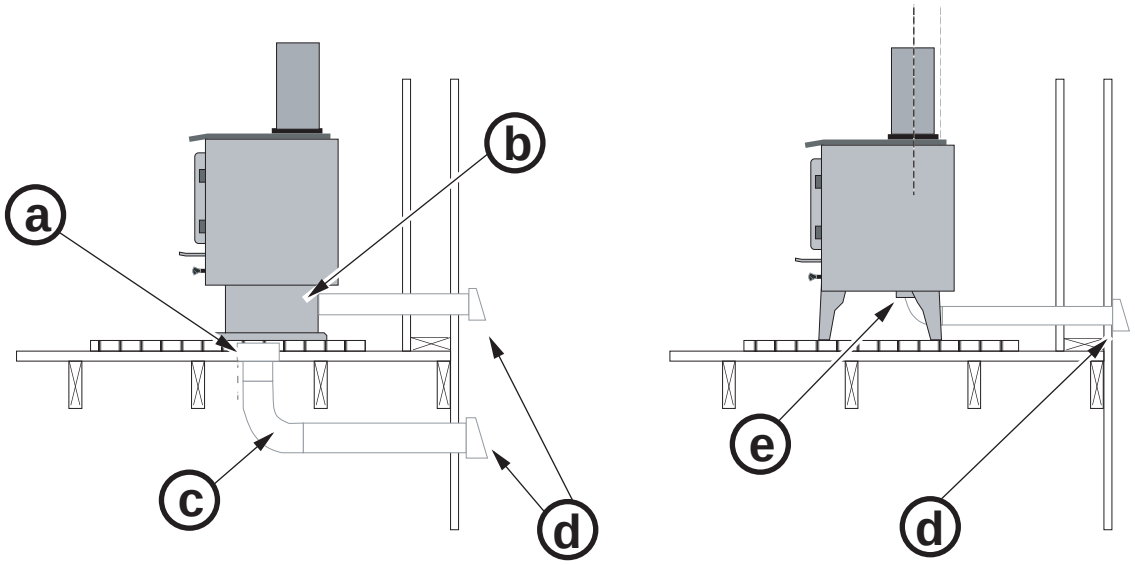



**Figure 6**

## *Alcove Installation Requirements*

Whenever the stove is placed in a location where the ceiling height is less than 7' tall, it is considered an alcove installation. Because of the reduced height, the special installation requirements listed below must be met.

- Chimney connector and chimney must be one of the following types:

  AMERI-TEC model DCC with model HS chimney
  DURAVENT model DVL with DURATEC or DURA-PLUS chimney
  GSW Super Chimney Twenty-One connected directly to appliance
  I.C.C. Excel (2100-2 Can.) (103-HT USA) chimney with HP connector
  METALFAB model DW connector with TG chimney
  OLIVER MACLEOD PROVENT model PV connector with model 3103 chimney
  SECURITY model DP connector with SECURITY model ASHT or S2100 chimney
  SELKIRK METALBESTOS model DS connector with model SSII chimney
  Standard Masonry Chimney with any one of the above listed connectors

  NOTE: Reduced clearance connectors may not connect to the flue collar – an appliance adapter may be required.

- Alcoves are classified as combustible or non-combustible. Non-combustible alcoves must have walls and a ceiling that are 3 1/2" thick of a non-combustible material (brick, stone, or concrete - see Figure 7). This non-combustible material must be spaced and ventilated at least 1" off of all combustible materials (walls, ceiling, etc.) to allow air to move around the non-combustible walls and ceiling. All other alcoves are considered combustible. The clearances below must be met:

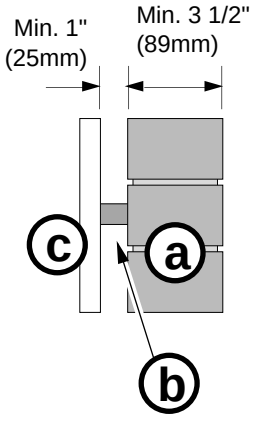
| **Minimum Clearance (See the** Figure 7 **below)** | | Combustible Alcove | | Non-Combustible Alcove | |
|---|---|---|---|---|---|
| A | Sidewall to stove | 13" | 331mm | 6" | 153mm |
| B | Backwall to stove | 9" | 229mm | 2" | 51mm |
| D | Connector to sidewall | 21.5" | 547mm | 14.5" | 369mm |
| E | Connector to backwall | 11.5" | 293mm | 4.5" | 115mm |
| G | Maximum depth of alcove | 48” | 1220mm | 48" | 1220mm |
| H | Minimum width of alcove | 49.625" | 1261mm | 35.625" | 905mm |
| J | Minimum height of alcove | 84" | 2134mm | 6" (153mm) above stove top | |

**Non-Combustible Alcove**

(a) Non-Combustible (brick)

(b) Air Space with non-combustible reinforcement

(c) Combustible material



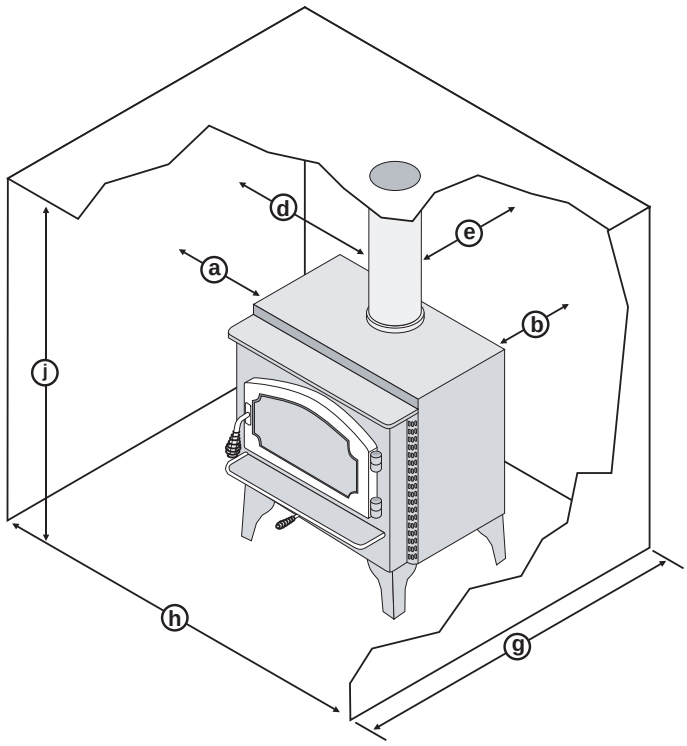




**Figure 7**

## *Mobile Home Requirements*

- Outside air must be installed - see "Outside Air Requirements" on page 12
- Chimney connector and chimney must be one of the following types:

  AMERI-TEC model DCC with model HS chimney
  DURAVENT model DVL with DURATEC or DURA-PLUS chimney
  GSW Super Chimney Twenty-One connected directly to appliance
  I.C.C. Excel (2100-2 Can.) (103-HT USA) chimney with HP connector
  METALFAB model DW connector with TG chimney
  OLIVER MACLEOD PROVENT model PV connector with model 3103 chimney
  SECURITY model DP connector with SECURITY model ASHT or S2100 chimney
  SELKIRK METALBESTOS model DS connector with model SSII chimney
  Standard Masonry Chimney with any one of the above listed connectors

  NOTE: Reduced clearance connectors may not connect to the flue collar – an appliance adapter may be required.
- Stove placement must maintain the following clearances to combustibles (drywall, furniture, etc.)

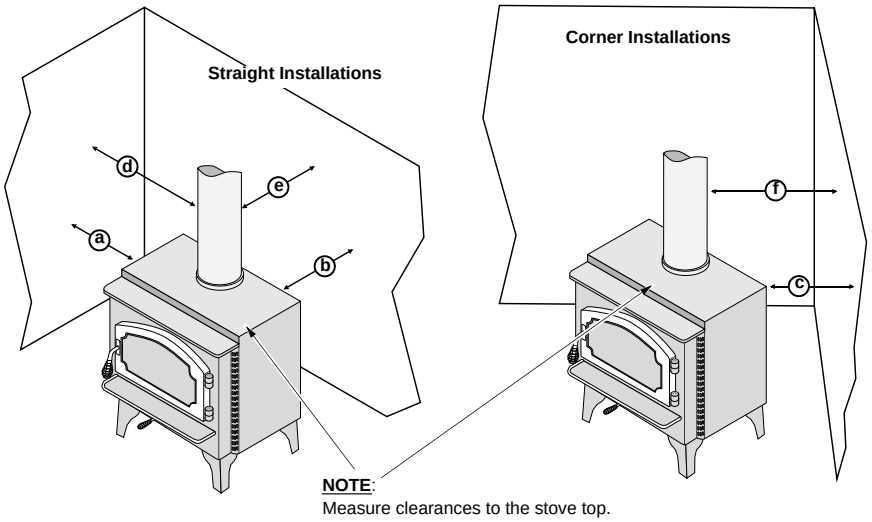



**Figure 8**

| Minimum Clearance (See the illustration above) | | Reduced Clearance Connector | |
|---|---|---|---|
| A | Sidewall to stove | 13" | 331mm |
| B | Backwall to stove | 9" | 229mm |
| C | Cornerwall to stove | 7.5" | 191mm |
| D | Connector to sidewall | 21.5" | 547mm |
| E | Connector to backwall | 11.5" | 293mm |
| F | Connector to cornerwall | 16.5” | 420mm |

- If using offsets, use the connector clearance listed in Figure 9, **not the connector manufacturer's clearance**.
- The appliance must be secured to the floor (consult your building official). Secure the outside air boot to the floor and stove to insure the stove does not dislocate.
- Mobile home installations require a spark arrester at the chimney termination.
- The appliance must be grounded to the chassis of the mobile home (consult your building official).
- **WARNING:DO NOT INSTALL IN SLEEPING ROOM.**
- **CAUTION:THE STRUCTURAL INTEGRITY OF THE MOBILE HOME FLOOR, WALL, AND CEILING/ROOF MUST BE MAINTAINED.**

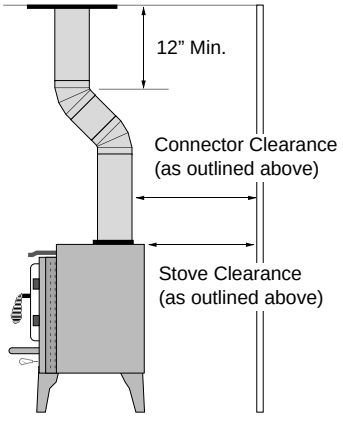



**Figure 9**

## Standard Ceiling with a Factory Built Chimney

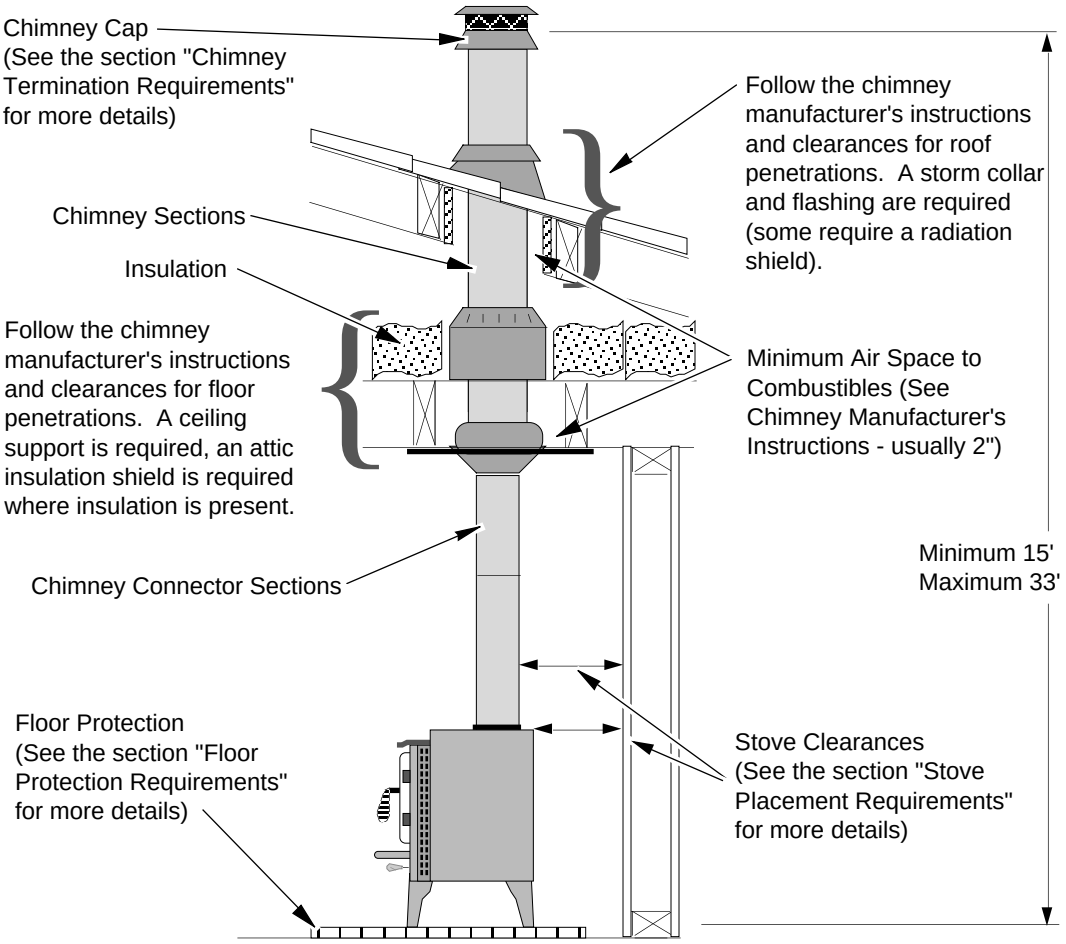



**Figure 10**

## Cathedral Ceiling with a Factory Built Chimney

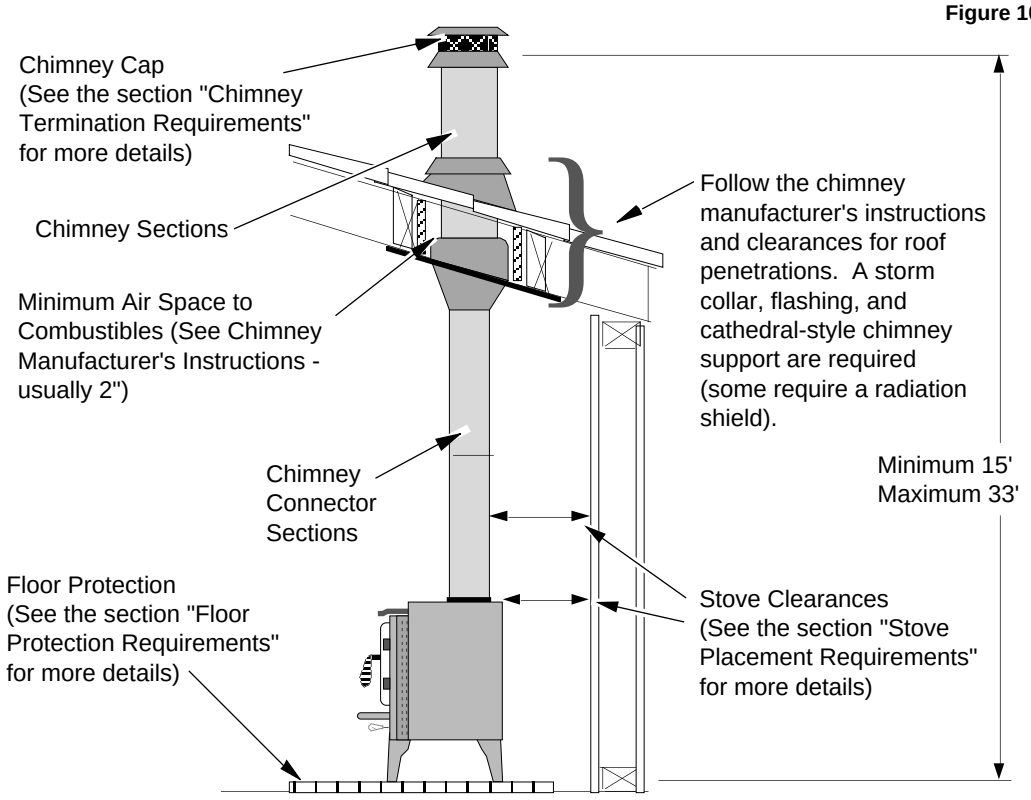



**Figure 11**

## Exterior Factory Built Chimney

**NOTE:**

Exterior chimneys are subject to greater moisture and creosote accumulation due to the lower temperatures. An insulated chase will reduce these accumulations (the proper clearances to the chimney must be maintained).

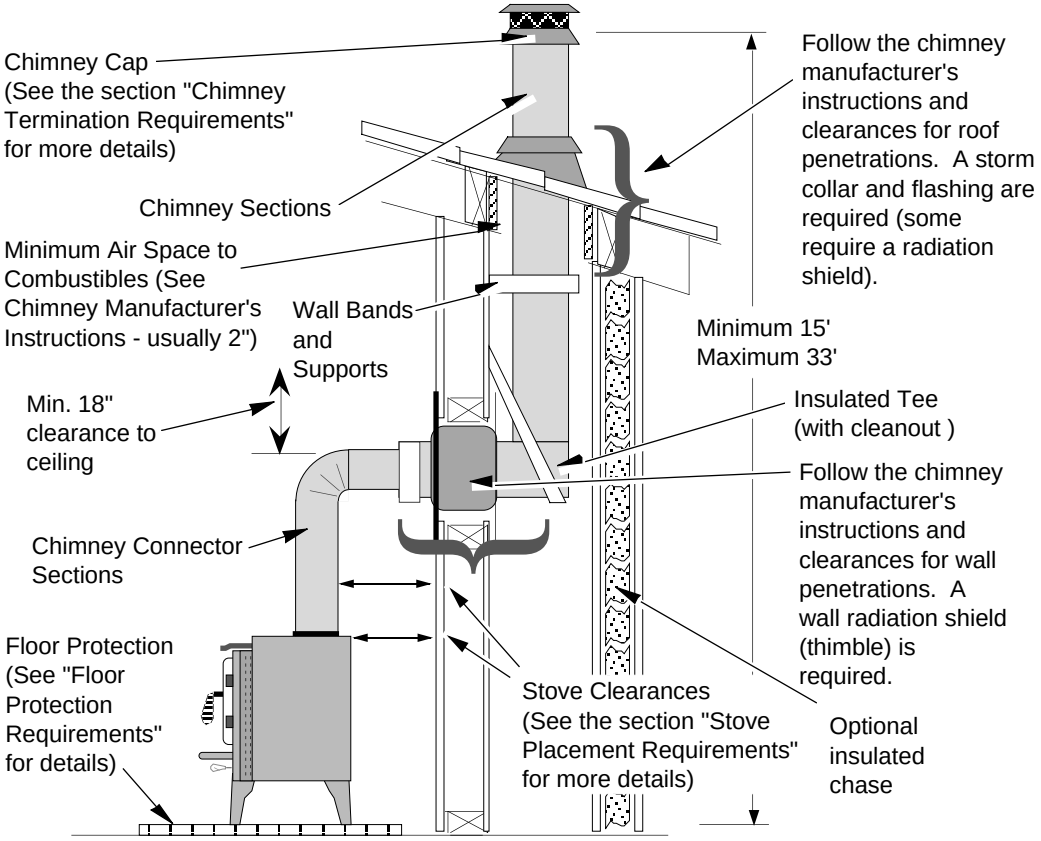



**Figure 12**

## Hearth Stove Positive Connection

**NOTE**:

Most factory-built chimney manufacturers make stainless steel chimney liners, either flexible or rigid. This provides a wide variety of installation options. Make sure to follow the manufacturer's instructions for installation and support.

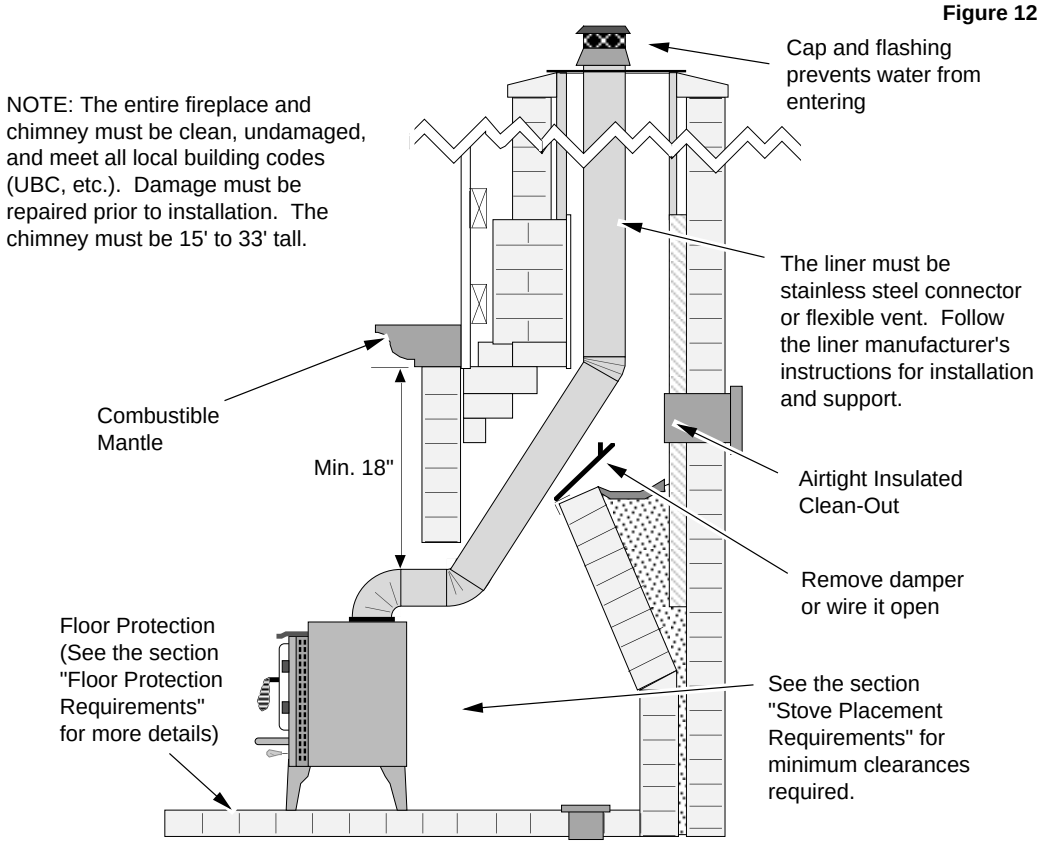



**Figure 13**

## Hearth Stove Direct Connection

**NOTE:**

This type of installation is not allowed in Canada.

**NOTE:**

Direct connections require installation of an airtight, non-combustible block-off plate or damper adapter.

NOTE: The chimney must have a clay tile liner. If it does not, the installation must use a positive connection (full reline). The entire fireplace and chimney must be clean, undamaged, and meet all local building codes (UBC, etc.). Damage must be repaired prior to installation. The chimney must be 15' to 33' tall.

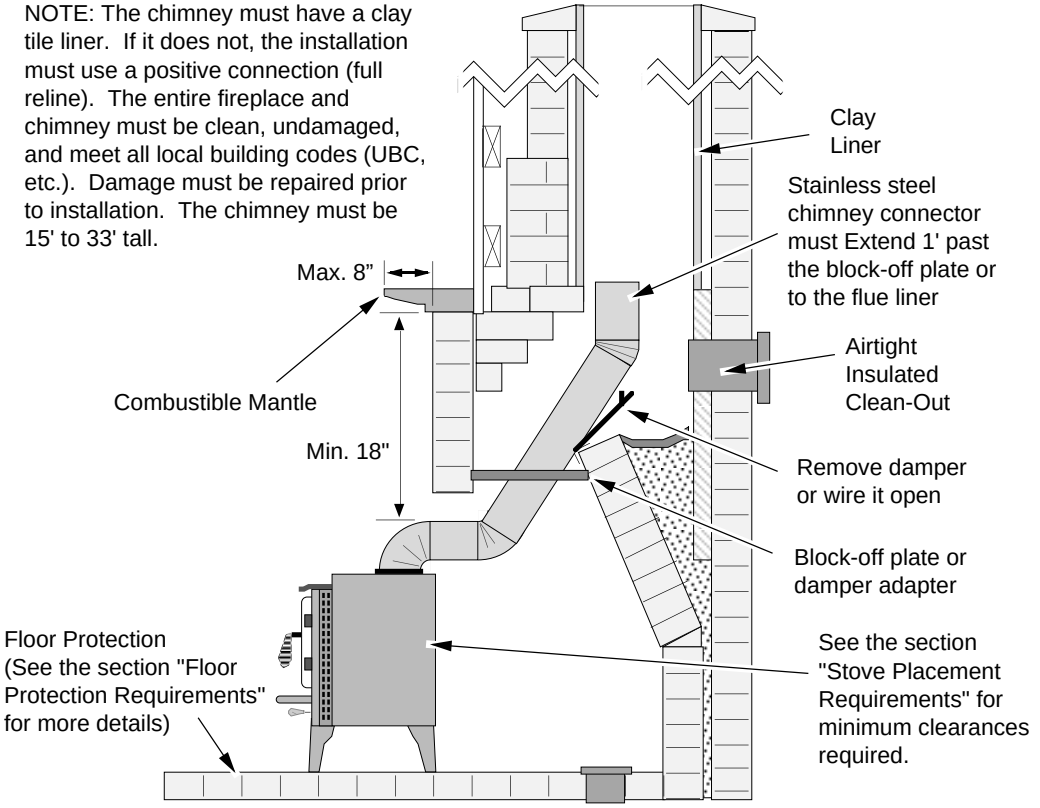



**Figure 14**

## Interior or Exterior Masonry Chimney

**NOTE:**

This type of installation is not allowed in Canada.

**NOTE:**

This type of installation requires a UBC approved masonry connector or a factory built (U.L. Listed) wall thimble.

NOTE: The chimney must have a clay tile liner. If it does not, the installation must use a positive connection (full reline). The entire fireplace and chimney must be clean, undamaged, and meet all local building codes (UBC, etc.). Damage must be repaired prior to installation. The chimney must be 15' to 33' tall.

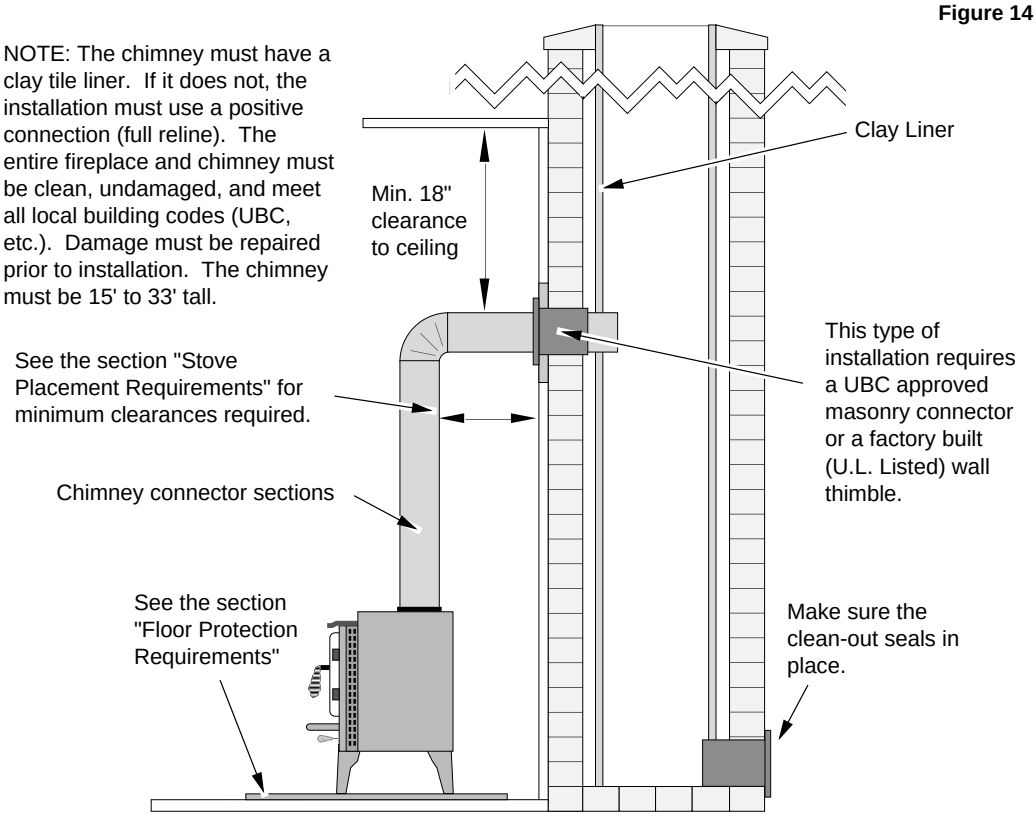



**Figure 15**

# 18 Fireplace Insert Installation (for qualified installers only)

## 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. Contact local building or fire officials about restrictions and installation inspection requirements in your area.**

## *Planning The Installation*

We suggest that you have an authorized Travis Industries dealer install your fireplace insert. If you install the fireplace insert yourself, your authorized dealer should review your installation plans.

Check with local building officials for any permits required for installation of this fireplace insert and notify your insurance company before proceeding with installation.

### Preparation for Installation

- Check for damage to the exterior of the fireplace insert (dents should be reported, scratches can be fixed by applying touch up paint).
- Check the interior of the firebox (replace cracked firebrick and make sure baffle is in place).

The fireplace insert can be lightened by removing the firebricks and baffle (pg 36) - replace before operation.

### Additional Accessories Needed for Installation

- Legs or Pedestal
- Door Shell

| | Old Part # (includes ashlip trim) | New Part # (no ashlip trim) |
|---|---|---|
| **Small Black** | 99300195 | 96100634 |
| **Small Brass** | 99300196 | 96100635 |
| **Small Pewter** | 99300199 | 96100636 |

### Installation Considerations

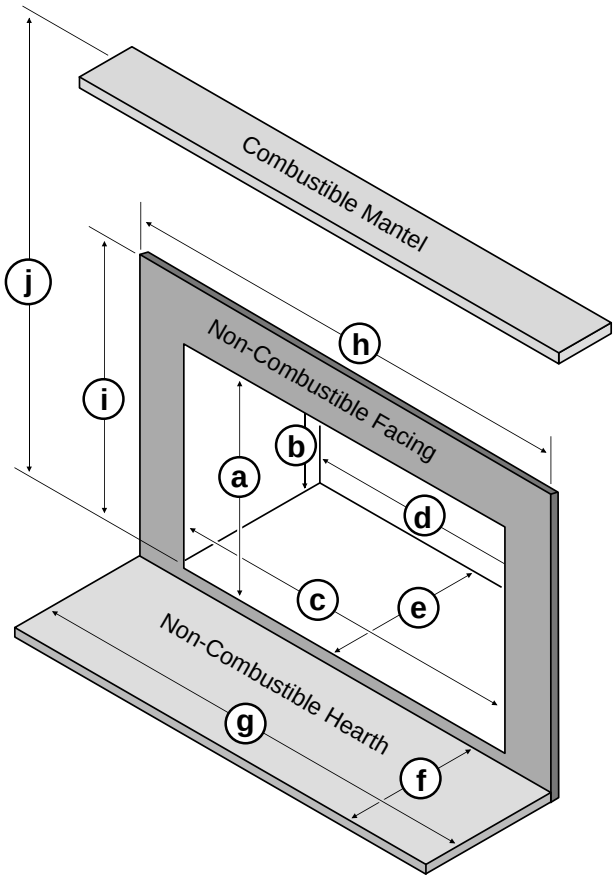
| Installation Type | Considerations |
|---|---|
| Insert with Positive Flue (Full Reline) (Page 22) | • Utilizes existing masonry or zero clearance fireplace<br>• Provides best draft<br>• Easiest to clean |
| Insert with Direct Connect Flue (Page 22) | • Masonry fireplace only<br>• Provides good draft<br>• Requires fireplace block-off plate |

## *Packing List*

- Wood Moisture Meter

## Fireplace Requirements

Minimum fireplace size requirements are shown below.



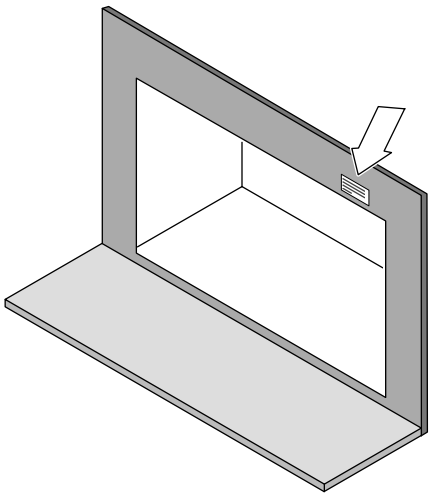

| Minimum Fireplace Size | Masonry Fireplace | Z.C. (Metal) Fireplace |
|---|---|---|
| **a Height (front)** | 20.75" 528mm | 20.75" 528mm |
| **b Height (rear)** | 20.75" 528mm | 20.75" 528mm |
| **c Width (front)** | 23.625" 601mm | 25.625" 651mm** |
| **d Width (rear)** | 23.625" 601mm | 25.625" 651mm** |
| **e Depth*** | 14.5" 369mm | 15.5" 394mm** |
| **f Hearth Depth* (includes insert depth on hearth plus required hearth extension)** | 18" 458mm (US)<br>- - - - - - - - - - - -<br>20" 508mm (Canada) | 18" 458mm (US)<br>- - - - - - - - - - - -<br>20" 508mm (Canada) |
| **g Hearth Width** | 39.625" 1007mm | 39.625" 1007mm |
| **h Facing Width** | 42.625" 1083mm | 47.625" 1210mm |
| **i Facing Height** | 32" 813mm | 32" 813mm |
| **j Mantel Height** | 35.5" 902mm | 44" 1118mm |

*** This dimension is for a 1-piece panel. Older 3-pieces panels (or 1-piece panels with trim) extend 1" (26mm) more onto the hearth and 1" (26mm) less into the fireplace.**

**** 1" (26mm) Clearance to fireplace walls is required for ZC Fireplaces.**

## Fireplace Altered Tag

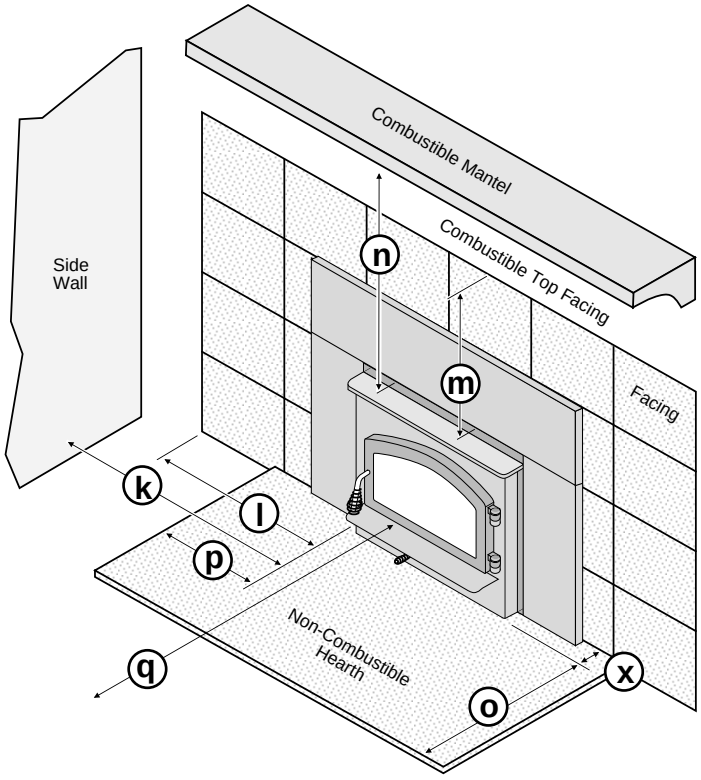
Attach the "This fireplace has been altered..." plate to the fireplace (use two screws or other suitable method). You may wish to place it in a location where it will be covered by the surround panels.



# 20 Fireplace Insert Installation (for qualified installers only)

## *Insert Placement Requirements*

- The insert must be placed so that no combustibles are within, or can swing within (e.g. drapes, doors), 36" of the front of the insert.
- Insert and hearth must be installed on a level, secure floor
- The minimum clearances, facing, and hearth requirements listed below must be met. Follow the clearances for the type of fireplace being used – (masonry or zero-clearance-metal).




| Minimum Clearances | Masonry Fireplace | Z.C. (Metal) Fireplace |
|---|---|---|
| **k Sidewall** | 13" 331mm | 30" 762mm |
| **l Side Facing** | 9.5" 242mm | 12" 305mm |
| **m Top Facing** | 12" 305mm | 12" 305mm |
| **n Mantel** | 15.5" 394mm | 24" 610mm |
| **o Front Hearth (does <u>not</u> include insert extension "x")** | 16" 407mm (US)<br>- - - - - - - - - - -<br>18" 458mm (Canada) | 16" 407mm (US)<br>- - - - - - - - - - -<br>18" 458mm (Canada) |
| **p Side Hearth** | 8" 204mm | 8" 204mm |
| **q Front of Insert** | 36" 915mm | 36" 915mm |
| **x Extension Onto Hearth*** | 2" 51mm | 2" 51mm |

*** This dimension is for a 1-piece panel. Older 3-pieces panels (or 1-piece panels with trim) extend 3" (77mm) onto the hearth.**

## *Hearth Requirements*

- Must extend 16" in front of the insert and 8" on both sides (min. 19" deep by 39-5/8" wide)
- Must be non-combustible and at least .018" thick (26 gauge)

## *Masonry Fireplace Requirements*

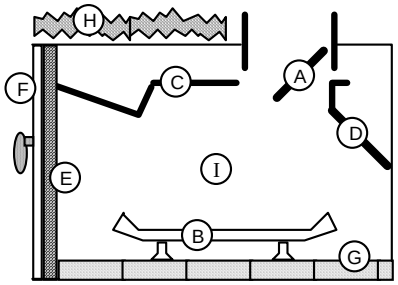
**<u>CANADA ONLY:</u>**

The fireplace insert must be installed with a continuous chimney liner of 6" diameter extending from the fireplace insert to the top of the chimney. The chimney liner must conform to the Class 3 requirement of Can/ULC S635, Standard Lining Systems for Existing Masonry or Factory- Built Chimney & Vents, or CAN/ULC S640, Standard for Lining Systems for New Masonry Chimneys.

- Chimney must have a clay tile liner or a stainless steel liner (positive connection).
- Entire fireplace, including chimney, must be clean and undamaged. Any damage must be repaired prior to installation of the insert.
- Chimney height: 15' (4.5M) minimum; 33' (10M) maximum.
- Entire fireplace, including chimney, must meet local building requirements.
- The fireplace insert must be placed on a masonry hearth built to UBC standards.

## Zero-Clearance (Metal) Fireplace Requirements

- Must be manufactured by one of the following manufacturers:
  - • Marco • Majestic • Heatilator • Preway • Tempco • Superior
  - • Heat N Glo • Lennox • Martin • Monesson
- Entire fireplace, including chimney, must meet local building requirements
- Chimney height: 15' minimum; 33' maximum.
- The damper ("A") and grate ("B") must be removed (see illustration to the right). The smoke shelf ("C"), internal baffles ("D"), screen ("E"), and metal or glass doors ("F") may be removed (if applicable). The masonry lining ("G"), insulation ("H"), and any structured rigid frame members (metal sides, floor, door frame, face of the fireplace, etc. – "I") may not be removed or altered.



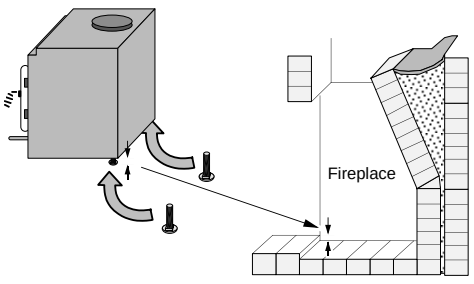

- The chimney on the ZC fireplace must be listed per UL 127 or ULC 610-M87 for all installations. Any thermal protection component of the fireplace or chimney must remain in place. The fireplace and chimney must be inspected prior to installation. A NFPA 211 Level II inspection is recommended. Repairs must be made prior to insert installation. The base of the fireplace must be structurally sound and able to support the weight of the insert.
- The stainless steel liner must be 6" diameter and extend the full height of the chimney (also called a positive connection or full re-line). This liner must meet type HT (2100°F) requirements per UL 1777 (USA) or ULC S635 with "0" clearance to masonry (Canada). The liner must be attached to the insert flue collar and to the top of the existing chimney.
- We recommend using the listed Travis ZC Liner Kit from Duravent (SKU 98900046, 47, or 48). If you do not use this kit, you must use the original ZC chimney cap.
- The liner support and cap at the top of the chimney must not reduce air flow for the existing air-cooled chimney system. The Travis ZC Liner Kit includes a cap that meets this provision.
- To prevent air from passing up the ZC fireplace chimney (the gap between the liner and chimney) we recommend sealing the area near the damper. Use non-combustible material to seal this area (non-backed fiberglass insulation or kaowool).
- The convection air channel on the fireplace must not be blocked. Do not block any louvers, grills, or air passages on the front of the fireplace.
- Entire fireplace, including chimney, must meet local building requirements. Permits may be required for installation. Final approval is contingent upon the authority having local jurisdiction. Inform you insurance agent of this fireplace insert.

## Drafting Performance

This appliance relies upon natural draft to operate. External forces, such as wind, barometric pressure, topography, or factors of the home (negative pressure from exhaust fans, chimneys, air infiltration, etc.), may adversely affect draft. Travis Industries can not be responsible for external forces leading to less than optimal performance.

## Leveling Bolt Installation

Two leveling bolts are included to level the insert if the fireplace has a stepped-up hearth. To install, raise the rear of the insert and insert the leveling bolts into the holes in the rear corners of the insert. Adjust the bolts until they extend the same height as the hearth (see illustration to right). After the insert is installed, fine-tune the leveling bolts to level the insert.



## Insert with Positive Connection

**REQUIRED IN CANADA.**

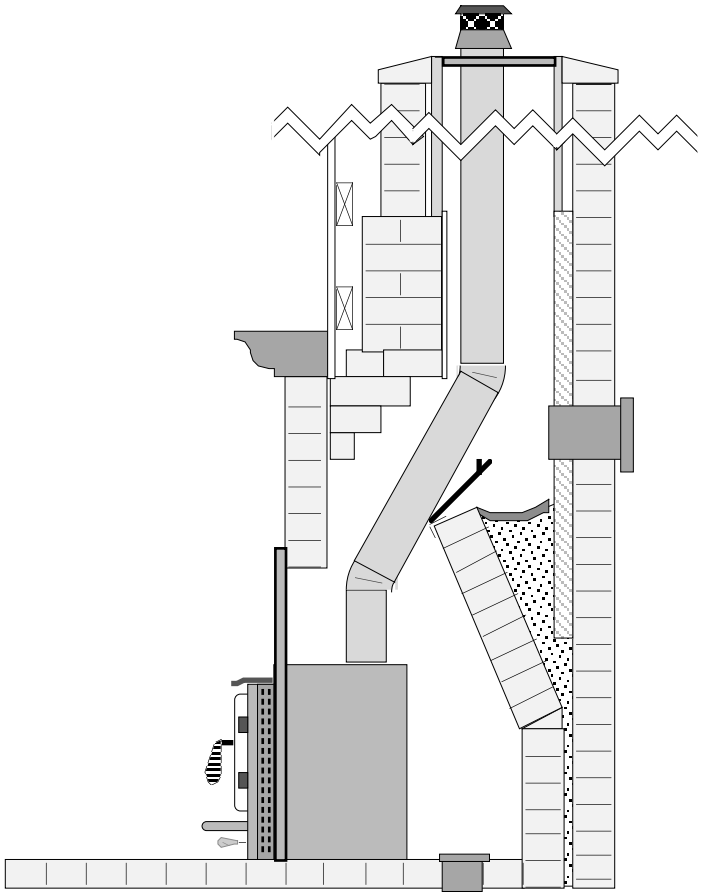


**Figure 18**

## Insert with Direct Connection (Masonry Fireplace)

**NOT ALLOWED IN CANADA**.

A block-off plate or other non-combustible sealing device (e.g. damper adapter) is required. It must seal the chimney to insure smoke does not enter the home while providing the chimney system with sufficient draft.

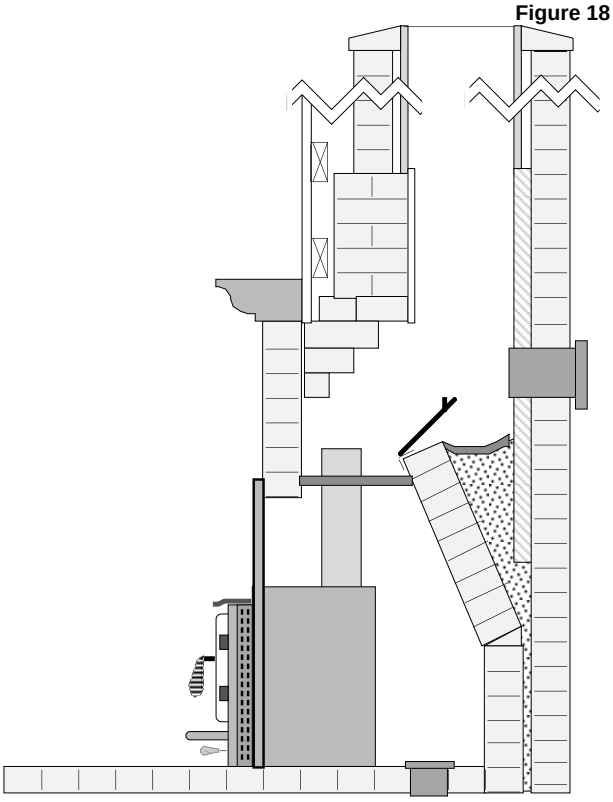


**Figure 19**

## *Safety Notice*

If this appliance is not properly installed, a house fire may result. For your safety, follow the installation directions. Contact local building or fire officials about restrictions and installation inspection requirements in your area.

Read and follow all of the warnings on pages 4 and 5 of this manual.

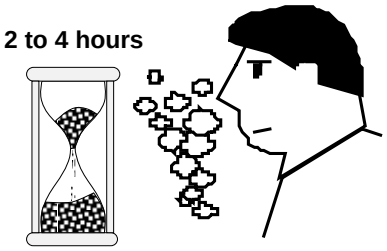
## *Before Your First Fire*

Verify the Installation

Before starting the stove, verify that the stove is properly installed and all of the requirements in this manual have been followed.

Keep all flammable materials 36" away from the front of the stove (drapes, furniture, clothing, etc.).

### Curing the Paint




Follow the steps below to cure the paint (first fire):

a) Open doors and windows in the room to ventilate the heater during the curing process.

b) Vacate the room. The fumes from the initial heating process are non-toxic but may be unpleasant.

c) Slowly bring the heater to a medium burn (400°F/204°C) for 45 minutes. Then increase the burn temperature to a hot burn (600°F/315°C) for an additional 45 minutes. This will cure the paint.

**Door Gasket** - The door gasket might adhere to the paint on the front of the heater. Leave the door slightly ajar for the first fire and be careful when opening the door after the first fire.

### Carbon Monoxide (CO) Emissions

Smoke from wood heaters contain CO. This gas is an indication of incomplete combustion and is detrimental to the environment and to your health. The more visible the smoke, the higher the CO levels. Burning dry wood is the most significant step you can take to reduce CO emissions. It is also important to understand the combustion process so you can burn your heater efficiently. Read the manual thoroughly so that you can operate your heater in the most efficient and clean manner possible.

### Over-Firing the Stove

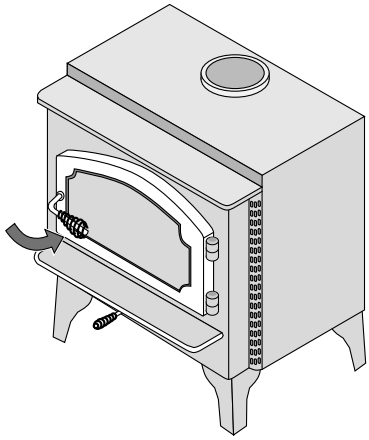
**DO NOT OVERFIRE THIS HEATER:** Attempts to achieve heat output rates that exceed heater design specifications can result in permanent damage to the heater.

This stove was designed to operate at a high temperature. But due to differences in vent configuration, fuel, and draft, this appliance can be operated at an excessive temperature. If the stove top or other area starts to glow red, you are over-firing the stove. Shut the air control down to low and allow the stove to cool before proceeding.

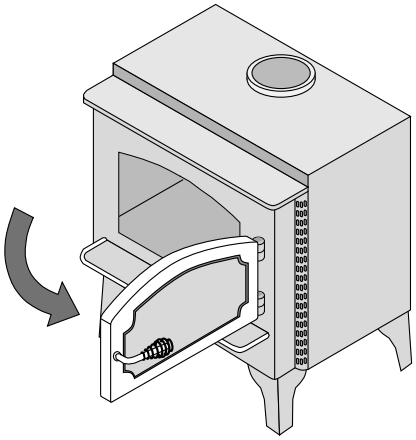
Over-firing may lead to damage of plated surfaces. If you are uncertain of over-firing conditions, we suggest placing a stove thermometer (e.g. Rutland® Model 710) directly over the door on the stove top - temperatures exceeding 800° are generally considered over-firing and will void the warranty.

## *Opening the Door*

Rotate the door handle.



Swing the door open.



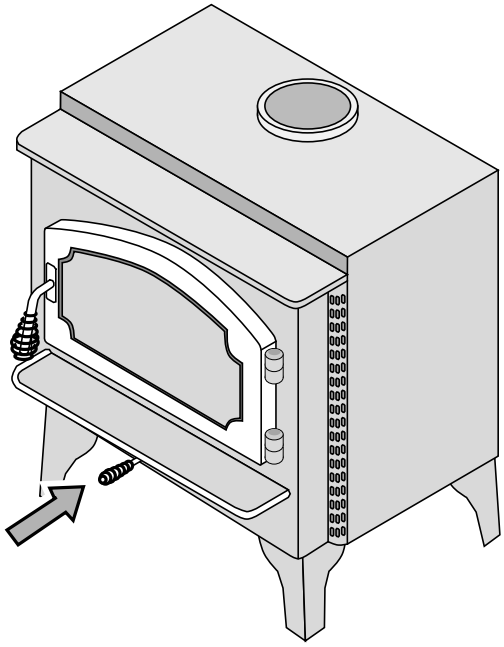
The door becomes hot during use. Use a glove to open the door if the handle is hot.

To prevent smoke from entering the room, open the air control before opening the door. You can also open the door a small amount and let air enter the firebox.

## *Starting a Fire*

Since the dawn of time man has debated the best way to start a fire. Some use the boy-scout "tee-pee", some prefer the "tic-tac-toe" stack. Either way, review the hints and warnings below to ensure proper fire starting.

- Make sure the air control is pushed in. If additional air is needed, open the doors 1/4" during the first five minutes of start-up.



**Never** use gasoline, gasoline-type lantern fuel, kerosene, charcoal lighter fluid, or similar liquids to start or "freshen up" a fire in this stove. Keep all such liquids well away from the stove while it is in use.

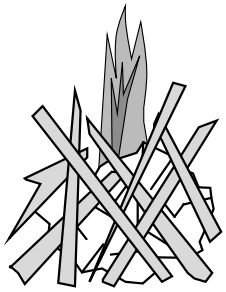
DO NOT USE CHEMICALS OR FLUIDS TO START THE FIRE. DO NOT BURN GARBAGE OR FLAMMABLE FLUIDS SUCH AS GASOLINE, NAPHTHA OR ENGINE OIL. Do not place such fuel within space heater installation clearances or within the space required for charging and ash removal.

If using a fire-starter, use only products specifically designed for stoves - follow the manufacturer's instructions carefully.

HOT WHILE IN OPERATION. KEEP CHILDREN, CLOTHING AND FURNITURE AWAY. CONTACT MAY CAUSE SKIN BURNS.

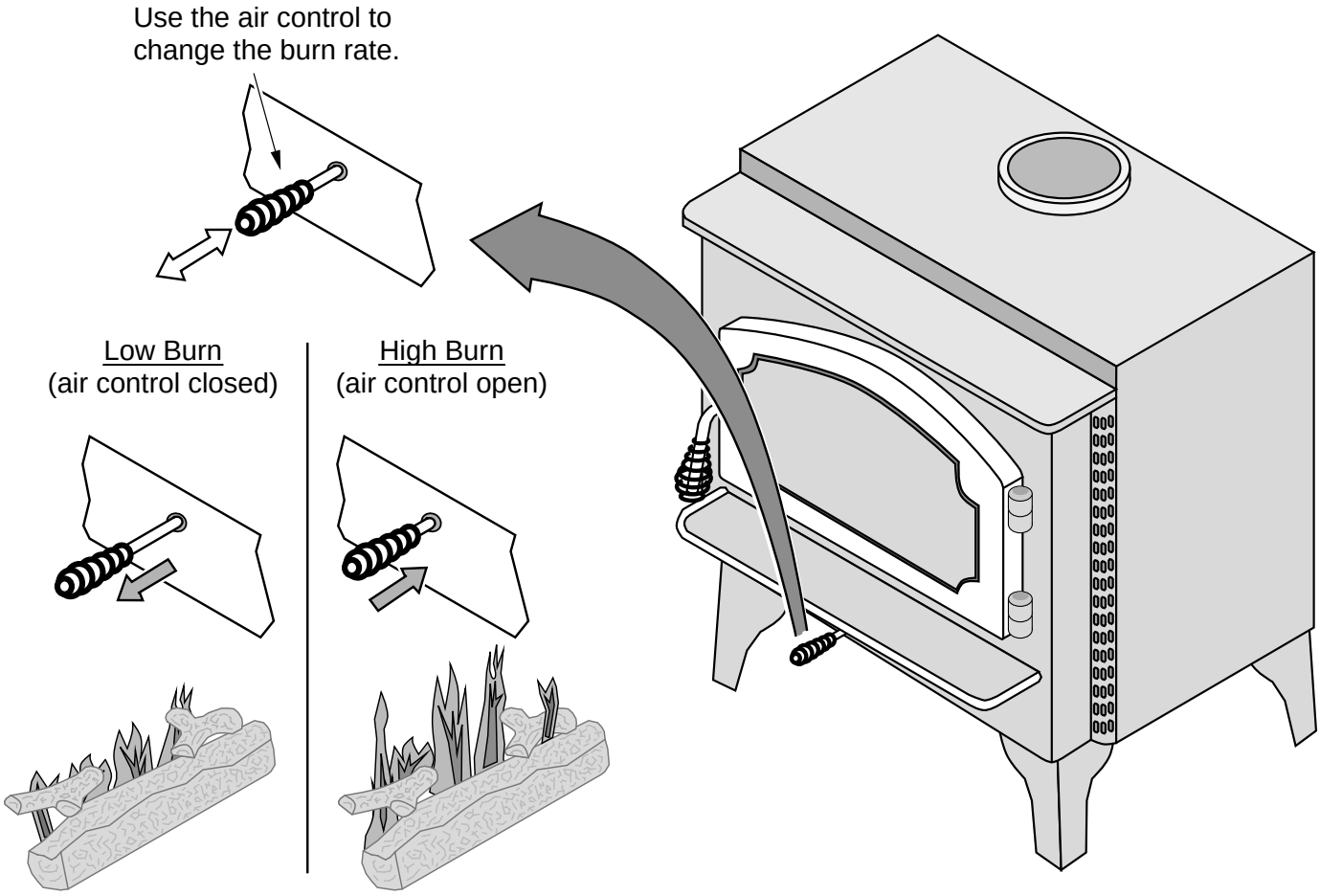
If the smoke does not pass up the chimney, ball up one sheet of newspaper, place it in the center of the firebox and light it. This should start the chimney drafting (this eliminates "cold air blockage").

Use plenty of kindling to ensure the stove reaches a proper temperature. Once the kindling is burning rapidly, place a few larger pieces of wood onto the fire.



## *Adjusting the Burn Rate*

Use the air control slider to control the burn rate of the stove. See the illustration below for details.




### Approximate Air Control Settings

| | |
|---|---|
| Overnight Burn | Fully out to 9/32" open |
| Medium Burn | 9/32" to 5/16" open |
| Medium High Burn | 5/16" to 7/16" open |
| High Burn | 7/16" open top pushed fully in |

The air control becomes hot during operation - use gloves or a tool to prevent burns.

The air control may take several minutes to influence the burn rate. When making adjustments, you may wish to let the stove burn for 10 minutes to gauge performance.

## *Understanding Your Heater's Combustion System*

This heater uses a dual combustion system detailed below:

**Primary Combustion**: This is the combustion (fire) that takes place directly on the wood. Primary combustion determines how fast the fire burns. Air for primary combustion is supplied through the air control. When you adjust the air control you control the amount of air that reaches the fire and creates primary combustion. The air control supplies air to the air wash (the air holes above the door opening – used to help clean the glass) and through the pilot orifice (center bottom of the door opening). By using the air control, and supplying air through these two openings, you control primary combustion.

**Secondary Combustion**: This is the combustion (fire) that does not contact the wood. Secondary combustion burns the visible emissions or smoke that is not consumed during primary combustion. During some phases of combustion you will see secondary combustion. It appears as a glowing flame at the top of the firebox. Air for secondary combustion is supplied by the air tubes at the top of the firebox.

**Items to Consider:**

- During medium and high burn rates the stove will manage secondary and primary combustion on its own. When the heater is set to a low burn rate more care is needed to ensure the secondary combustion system works properly. Make sure the stove is hot and a good coal bed is established before adjusting your heater to low burn.
- Understanding the combustion system in this heater will help minimize the visible emissions this heater releases into the environment. The primary pilot orifice at the center bottom of the door opening is designed to help the secondary combustion at low burn settings. The pilot provides a small amount of air that burns up through the fuel load providing the heat and flame needed for the secondary system to ignite. The air tubes under the baffle need to remain ignited for low burns to be effective.
- As you load your heater for a low burn, take care in placing the wood. This will affect how well your secondary system works as the wood is consumed. Do not block the pilot orifice. Stack wood so the pilot air can burn its way up between the pieces, helping your heater burn effectively throughout the low fire. This will reduce the visible emissions your heater produces and increase the amount of heat you get from the wood. If you are unsure how well your heater is burning look at the chimney cap to monitor visible emissions.

## *Burning Your Heater*

**Starting a Fire:** When starting a fire it is imperative to get the heater hot and drafting as quickly as possible. This promotes combustion and reduces emissions. There are many ways to start a fire and you will become adept as you become familiar with the way your heater burns. Before you start, make sure your burn rate setting (air control) is all the way open and the by-pass (if equipped) is open. We suggest that you use a layer of crumpled newspaper covered with a three layers of small kindling, stacked tic tac toe style with approximately ½"-1"gaps between them. Continue to layer wood on top of the kindling with the same air gaps using slightly bigger pieces increasing in size as you stack upward with the final layer being 3-5" diameter pieces loaded on the top. This should fill the firebox. Light the newspaper in several places near the door opening. Shut the door but do not latch it, creating a small opening to allow air to feed the kindling fire. Never leave your heater unattended if your door is not latched shut. While the kindling burns the fire will heat and ignite the larger pieces above. Once the whole load is burning shut and latch the door leaving the burn rate on high. Depending on your heater, the chimney, and the outside environment, you may need to leave your bypass open for up to 20 minutes after lighting the fire. If the fire dies when you shut the bypass you will need to leave it open longer. The presence of a hot coalbed is critical to good combustion. We cannot overstate the importance of a hot coal bed before slowing your burn rate or re-loading your heater. We recommend that you allow the first ignition load of wood to burn through at the high burn rate. This will get your heater up to temperature and establish a coal bed.

**Reloading:** When reloading a hot heater set the burn rate on high for at least 15 min before slowing it down.

**Low Burn:** If preparing for an overnight or low burn a longer heat up period may be necessary. Reload the heater full of wood making sure there are air gaps between the wood pieces so the pilot air can burn up through the middle load keeping the secondary combustion system hot and active throughout the burn. After loading, burn the heater on high for at least 15 minutes before setting the air control to low. Excessive creosote buildup (or sooting) in the heater at the end of a low burn signifies that the heater was not hot enough and the wood load was not burned long enough on high after loading before shutting down the air control.

## Optional Blower Operation

The blower will turn on once the stove is up to temperature. This is typically 15 to 30 minutes after starting the fire. Follow the directions below to alter the blower speed.

***OFF***

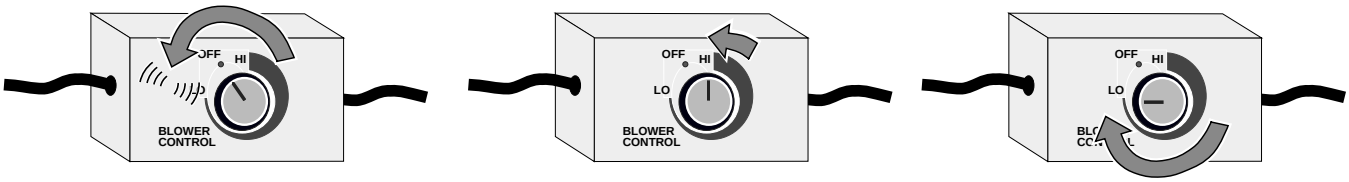
Turn the dial all the way counter-clockwise until it clicks off.

***HIGH***

The high position is all the way counter-clockwise, **without** clicking off.

***LOW***

Turn the dial all the way clockwise.




The blower may be used to affect heat output (i.e.: to reduce heat output, turn the blower down).

Route the power cord in a location where it will not come in contact with the appliance or become hot.

## Re-Loading the Stove

Follow the directions below to minimize smoke spillage while re-loading the stove.

**1** Open the air control all the way (push it in).

**2** Open the door slightly. Let the airflow inside the firebox to stabilize before opening the doors fully.

**3** Load wood onto the fire.

## Overnight Burn

This stove is large enough to accommodate burn times up to eight hours. Follow the steps below to achieve an overnight burn.

**1** Move the air control to high burn and let the stove become hot (burn for approximately 15 minutes).

**2** Load as much wood as possible. Use large pieces if possible.

**3** Let the stove burn on high for 15 minutes to keep the stove hot, then turn the air control to low.

**4** In the morning the stove should still be hot, with embers in the coal bed. Stir the coals and load small pieces of wood to re-ignite the fire, if desired.

Differences if chimney height and draft may lower overall burn times.

## Normal Operating Sounds

**Creaks and Clicks**:

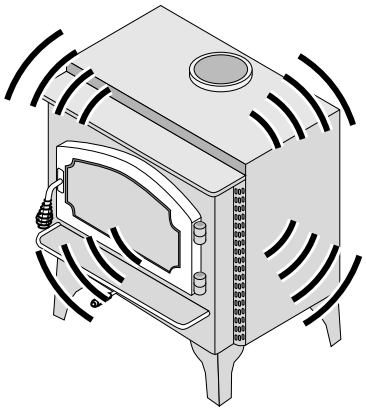
The 3/16" and 1/4" steel may creak or click when the stove heats up and cools down - this is normal.

**Blower Sounds**:

The blower will make a slight "humm" as it pushes air through the stove.

**Hint:**

Make sure the leveling bolts on legs are extended - preventing the hearth from amplifying any vibrations.

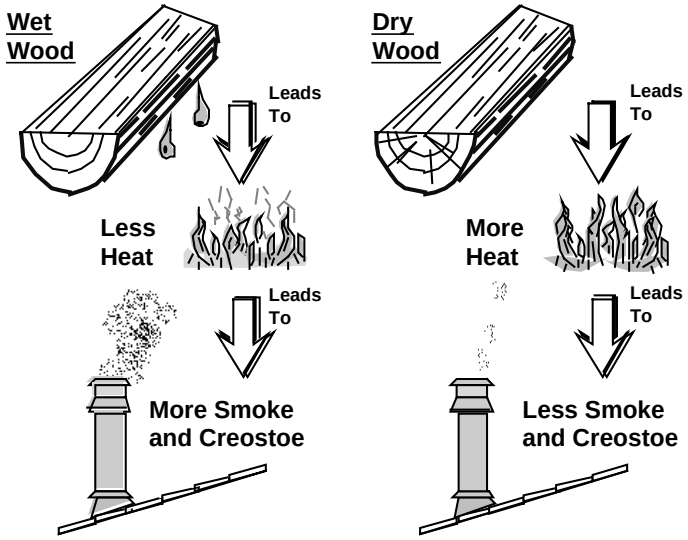


## *Hints for Burning*

- Get the appliance hot before adjusting to low burn
- Use smaller pieces of wood during start-up and high burns to increase temperature
- Use larger pieces of wood for overnight or sustained burns
- Stack the wood tightly together to establish a longer burn
- Be considerate of neighbors & the environment: burn dry wood only
- Burn small, intense fires instead of large, slow burning fires when possible
- Learn your appliance's operating characteristics to obtain optimum performance

## *Selecting Wood*

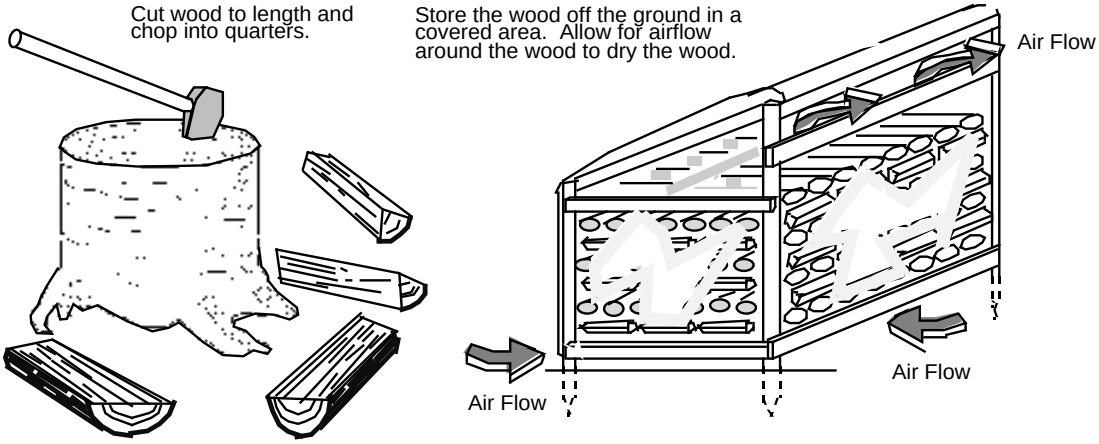
- Dry Wood is Key
- Dry wood burns hot, emits less smoke and creates less creosote.
- Testing Wood Moisture
- Split wood stored in a dry area will be fully dry within a year. This insures dry wood. If purchasing wood for immediate use, test the wood with a moisture meter. Some experienced wood burners can measure wood moisture by knocking pieces together and listening for a clear "knock" and not a "thud".




### Why Dry Wood is Key

Wet wood, when burned, must release water stored within the wood. This cools the fire, creates creosote, and hampers a complete burn. Ask any experienced wood burner and he or she will agree: dry wood is crucial to good performance.

### Wood Cutting and Storage



**Do Not Burn List**

This heater is designed to burn natural wood only. Higher efficiencies and lower emissions generally result when burning air dried seasoned hardwoods, as compared to softwoods or to green or freshly cut hardwoods. DO NOT BURN:

(1) Garbage;

(2) Lawn clippings or yard waste;

(3) Materials containing rubber, including tires;

(4) Materials containing plastic;

(5) Waste petroleum products, paints or paint thinners, or asphalt products;

(6) Materials containing asbestos;

(7) Construction or demolition debris;

(8) Railroad ties or pressure-treated wood;

(9) Manure or animal remains;

(10) Salt water driftwood or other previously salt water saturated materials;

(11) Unseasoned wood; or

(12) Paper products, cardboard, plywood, or particleboard. The prohibition against burning these materials does not prohibit the use of fire starters made from paper, cardboard, saw dust, wax and similar substances for the purpose of starting a fire in an affected wood heater.

**Burning these materials may result in release of toxic fumes or render the heater ineffective and cause smoke.**

## *Troubleshooting*

| Problem | Possible Cause |
|---|---|
| **Smoke Enters Room During Start-Up** | • Open the air control (pg. 26).<br>• Cold Air Blockage - burn a piece of newspaper to establish a draft.<br>• If the flame is not getting enough air, a small crack in the door is all that is needed. |
| **Kindling Does Not Start - Fire Smolders** | • Open the air control (pg. 26).<br>• Not enough starter paper - use additional newspaper if necessary.<br>• If the flame is not getting enough air, a small crack in the door is all that is needed. |
| **Smoke Enters Room While Re-Loading** | • Open the air control before opening the door (pg. 26).<br>• Let the air stabilize before fully opening the door. Then open the door approximately 1 inch. Let air go into the firebox for a few seconds. Once the smoke appears to be flowing up the chimney consistently, open the door.<br>• Insufficient Draft - Chimney height and outside conditions can negatively affect draft. In these cases a small amount of smoke may enter the home. Adding more pipe or a draft-inducing cap may help. |
| **Stove Does Not Burn Hot Enough** | • Wood is Wet - see the section "Selecting Wood" on page 29 for details on wood.<br>• Make sure the air control is all the way open. Slide the control back and forth to insure the control is not stuck.<br>• Insufficient Draft - Chimney height and outside conditions can negatively affect draft. In these cases the fire may burn slowly. Adding more pipe or a draft-inducing cap may help. |
| **Blower Does Not Run** | • Stove is Not Up to Temperature - This is normal. The blower will come on when the stove is hot - usually 15 to 30 minutes.<br>• Electricity is Cut to the Blower - Check the household breaker or fuse to make sure it is operable. |
| **Stove Does Not Burn Long Enough** | • Depending upon wood, draft, and other factors, the burn time may be shorter then stated. Make sure the doors are sealing and not allowing air into the firebox - See the section "Door and Glass Inspection" on page 33 for details.<br>• Check the ash bed for coals. Often, coals are still glowing under a slight bed of flyash. By raking these into a pile you can re-start your stove quickly. |

Failure to properly maintain and inspect your appliance may reduce the performance and life of the appliance, void your warranty, and create a fire hazard.

Establish a routine for the fuel, wood burner and firing technique. Check daily for creosote build-up until experience shows how often you need to clean to be safe. Be aware that the hotter the fire the less creosote is deposited, and weekly cleaning may be necessary in mild weather even though monthly cleaning may be enough in the coldest months. Contact your local municipal or provincial fire authority for information on how to handle a chimney fire. Have a clearly understood plan to handle a chimney fire.

## *Daily Maintenance (while stove is in use)*

### Remove Ash (if necessary)

Whenever ashes get *3* to *4* inches deep in your firebox or ash pan, and when the fire has burned down and cooled, remove excess ashes. Leave an ash bed approximately *1* inch deep on the firebox bottom to help maintain a hot charcoal bed. Let the stove cool completely before removing ashes (wait at least two hours after the last coal has extinguished). Ashes should be placed in a metal container with a tight-fitting lid. The closed container of ashes should be placed on a noncombustible floor or on the ground, away from all combustible materials, pending final disposal. The ashes should be retained in the closed container until all cinders have thoroughly cooled.

- Ash removal is **not** required once it builds up. 1/2" to 1" of ash may be desirable because it slows the burn rate. Generally, remove ash once it has built up over 1". Follow the directions below to remove ash.

1 Let the stove cool completely (at least two hours after the last coal has extinguished).

2 Place a cloth or cardboard protector over the hearth to catch ash and protect against scratching.

**3** Open the doors and scoop the ash into a metal container with a tight fitting lid. The closed container of ashes should be placed on a noncombustible floor or on the ground, away from all combustible materials, pending final disposal.



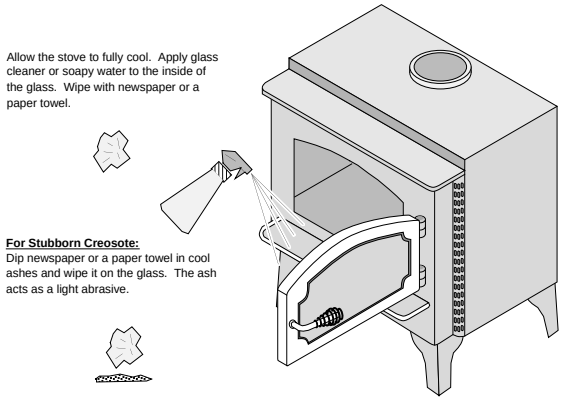

Improperly disposed ashes lead to fires. Hot ashes placed in cardboard boxes, dumped in back yards, or stored in garages, are recipes for disaster.

Wood-burning stoves are inherently dirty. During cleaning have a vacuum ready to catch spilled ash (make sure ash is entirely extinguished).

There are vacuum cleaners specifically made to remove ash (even if the ash is warm). Contact your dealer for details.

### Clean the Glass (if necessary)

This appliance has an airwash to keep the glass clean. However, burning un-seasoned wood or burning on lower burn rates leads to dirtier glass (especially on the sides). Clean the glass by following the directions below. Do not clean glass with abrasive cleaners.




The glass will develop a very slight haze over time. This is normal and will not affect viewing of the fire.

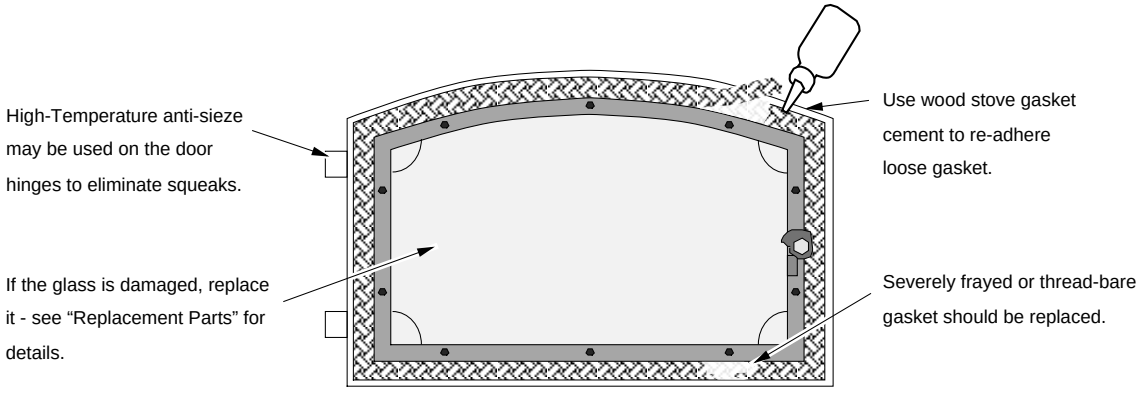
## *Monthly Maintenance (while appliance is in use)*

Make sure the appliance has fully cooled prior to conducting service.

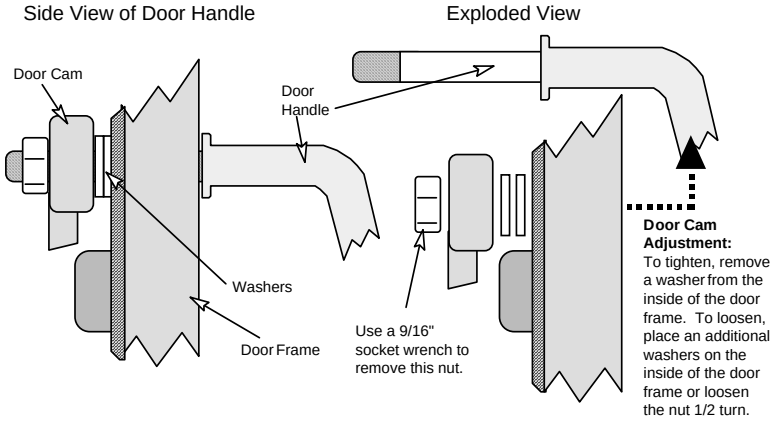
### Door and Glass Inspection

The door must form an air-tight seal to the firebox for the stove to work correctly. Inspect the door gasket to make sure it forms an air-tight seal to the firebox.

The door can be lifted off the hinges if extensive repairs are conducted.




The door latch should pull the door against the face of the stove (but not so tight as to not allow full handle rotation). If the latch requires adjustment, follow the directions below.




### Creosote - Formation and Need for Removal

When wood is burned slowly, it produces tar and other organic vapors, which combine with expelled moisture to form creosote. The creosote vapors condense in the relatively cool chimney flue of a slow-burning fire. As a result, creosote residue accumulates on the flue lining. When ignited, this creosote makes an extremely hot fire. The chimney and chimney connector should be inspected at least once every two months during the heating season to determine if a creosote buildup has occurred. If creosote has accumulated, it should be removed to reduce the risk of a chimney fire.

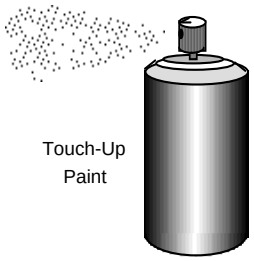
If you are not certain of creosote inspection, contact your dealer or local chimney sweep for a full inspection. Excess creosote buildup may cause a chimney fire, that may result in property damage, injury, or death.

Operating this appliance continually at a low burn rate (air starvation) or using green (un-seasoned wood) will increase the formation of creosote.

## *Yearly Maintenance*

Make sure the appliance has fully cooled prior to conducting service.

### Touch-Up Paint

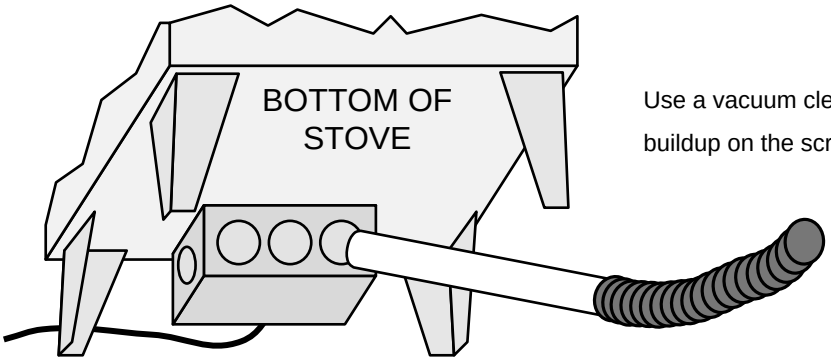



Included with the owner's pack of this appliance is a can of Stove-Brite® paint. To touch up nicks or dulled paint, apply the paint while the appliance is cool. Sand rusted or damaged areas before preparation (use 120 grit sandpaper). Clean and dry the area to prepare the surface. Wait at least one hour before starting the appliance. The touched up area will appear darker than the surrounding paint until it cures from heat. Curing will give off some fumes while curing – open windows to ventilate.

### Cleaning the Air Duct and Blower (if applicable)

Use a vacuum to clean the air ducts (channels). This prevents dust from burning and creating odors.

The optional blower should be vacuumed every year to remove any buildup of dust, lint, etc.




Use a vacuum cleaner to remove any buildup on the screens of the blower.

### Firebrick and Baffle Inspection

Use the illustration on page 36 as a reference for checking the following items. Make sure the appliance is cool before proceeding.

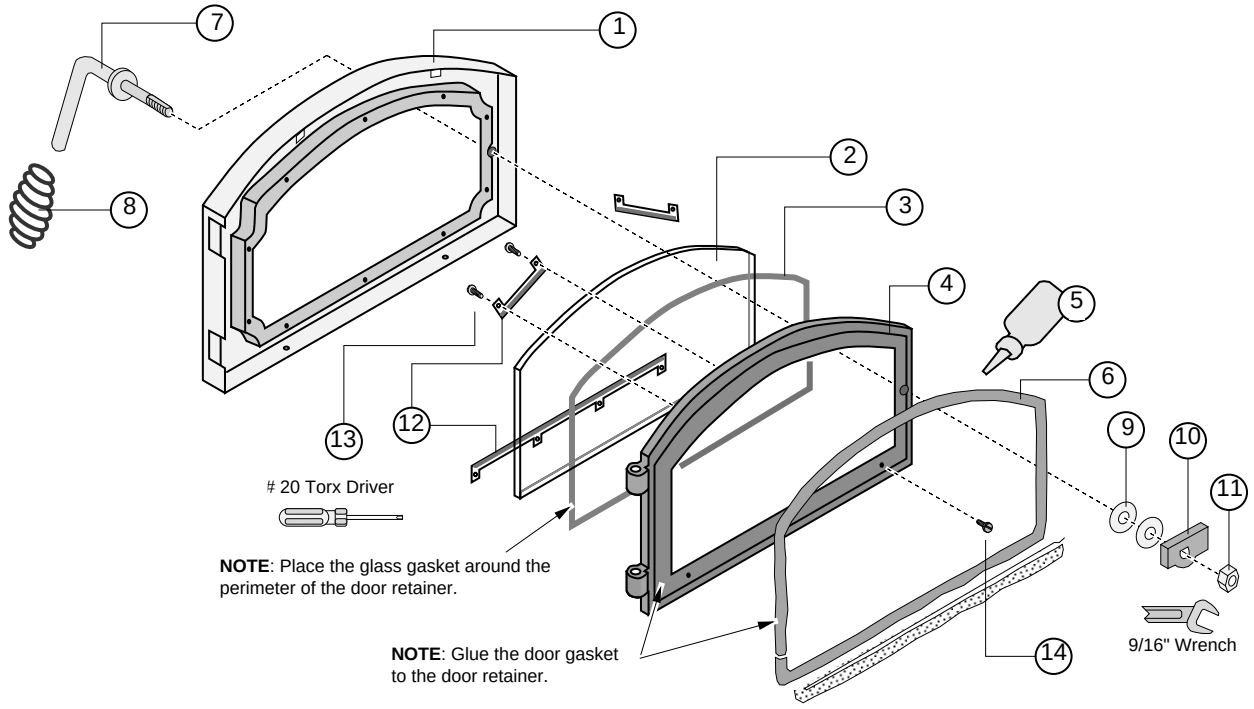
Baffle Firebricks - check the bricks along the ceiling of the firebox to make sure they are intact and have no gaps between them. Slide the bricks to eliminate any gaps.

Baffle Supports - make sure the front and back baffle supports in are place and not degraded. Slight scaling or rusting of the metal is normal.

Secondary Air Tubes - Check the two air tubes and collars to make sure they are intact and not severely deteriorated. Slight scaling or rusting of the metal is normal. Make sure the push pins hold the air tubes in place.

Floor and Wall Firebricks - replace any severely damaged firebrick along the side or floor of the firebox.

## *Door Parts*




| ID # | Description | Qty | Part # | | ID # | Description | Qty | Part # |
|---|---|---|---|---|---|---|---|---|
| 1 | Door Shell - Black<br>Door Shell - Brass<br>Door Shell - Pewter | 1 | 230-00570<br>230-00572<br>230-00568 | | 2 | Glass (15-3/8" x 8-7/8") | 1 | 250-00463 |
| 3 | Glass Gasket | 1 | 224-11086 | | 4 | Door Retainer (w gasket) | 1 | 224-23020 |
| 5 | Gasket Cement | 1 | 99900427 | | 6 | Door Gasket | 1 | 99900406 |
| 7 | Door Handle Asbly - Black<br>Door Handle Asbly - Brass<br>Door Handle Asbly - Pewter | 1 | 224-14042<br>99900410<br>224-14052 | | 8 | Spring - Black<br>Spring - Brass<br>Spring - Pewter | 1 | 250-00373<br>250-00591<br>250-00365 |
| 9 | Washers | 2 | 250-00364 | | 10 | Cam | 1 | 250-00599 |
| 11 | Nut, Brass | 1 | 250-00425 | | 12 | Glass Clips - Top<br>Glass Clip - Bottom | 2<br>1 | 250-00914<br>250-01374 |
| 13 | #8-32 3/8" Type F Screw | 8 | 225-20039 | | 14 | Swage-Lock Screw (#10-24x1") | 2 | 250-02753 |

### Replacing the Glass

The glass must not contact the door retainer or glass clips directly. The glass gasket and glass clip gaskets insulate the glass to prevent cracking. Do not over-tighten the glass clips.

See "Door Shell Installation" (pg. 40) for details on removing the door handle and shell. NOTE: The glass gasket is placed in the grove along the inside perimeter of the door retainer. Make sure the glass clip screws are all fully tightened - they must be flush with the door retainer for the door shell to install.

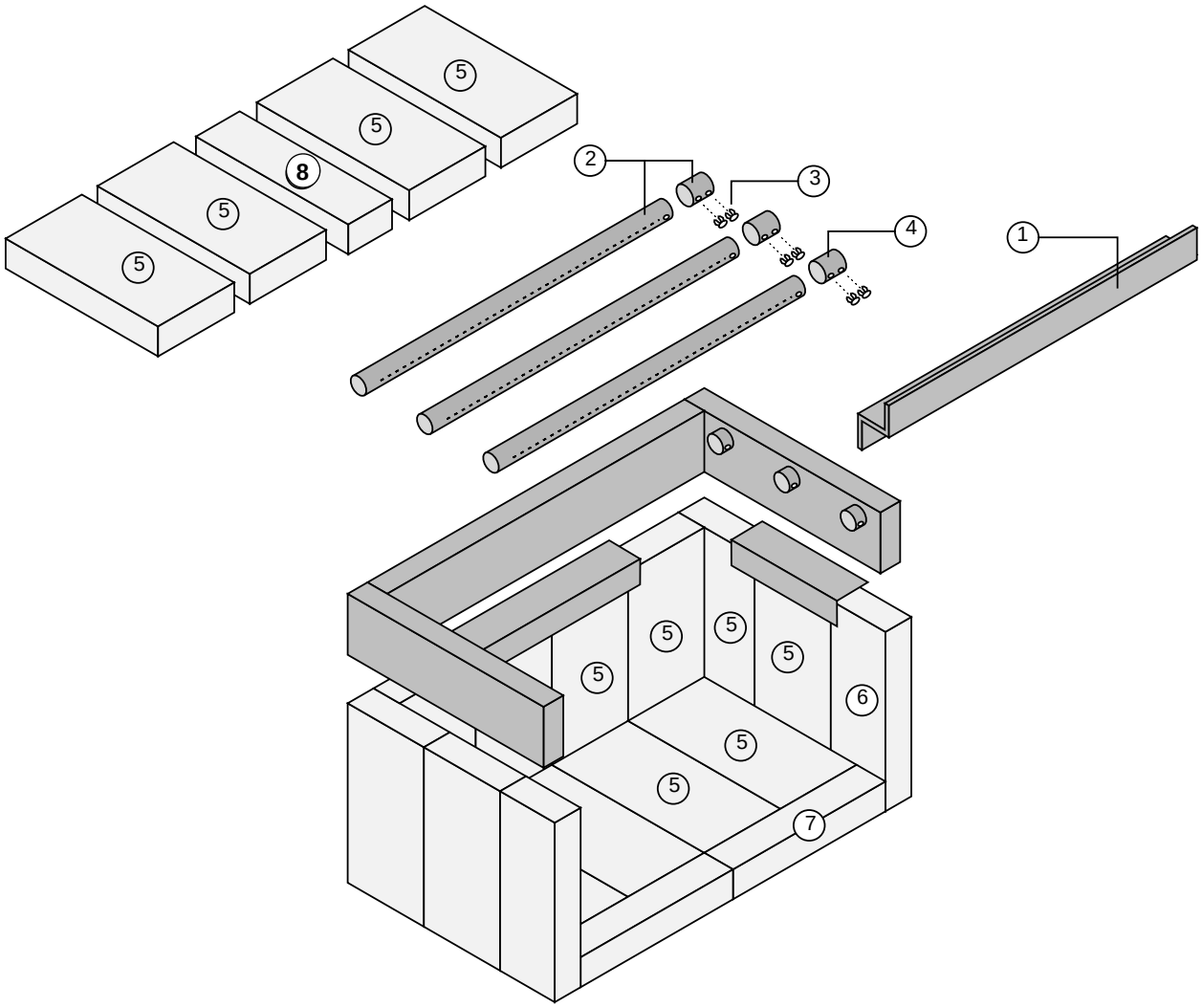
### Replacing the Door Gasket

The door gasket inserts into the outer groove of the door retainer. Stove gasket cement holds it in place. Before installing, remove any residual cement. Lay the gasket in place (start at the lower left corner) and cut off any excess gasket (do not stretch the gasket. The cement fully cures with heat from the stove. You may need to open and close the door repeatedly to get the gasket to seat fully.

### Replacing the Door Handle

See the illustration above for a component list (see pg. 33 for details on adjusting the door).

## *Firebox Parts*




| ID # | Description | Qty | Part # | | ID # | Description | Qty | Part # |
|---|---|---|---|---|---|---|---|---|
| 1 | Baffle Support "S" Bar | 1 | 99900294 | | 2 | Air Tube with Sleeve | 3 | 98900232 |
| 3 | Air Tube Roll Pins | 6 | 98900357 | | 4 | Air Tube Retainer Sleeve | 3 | 98900356 |
| 5 | Brick - 9" x 4.5" un-cut | 16 | 98900102 (qty of 9) | | 6 | Brick, Cut - 9" x 2.25" | 2 | 251-00001 |
| 7 | Brick, Cut - 9" x 1.375" | 2 | 251-00018 | | 8 | Brick, Cut - 9" x 2-3/16" | 1 | 251-00052 |

### Floor and Side Firebrick Removal & Replacement

**Do not pry firebrick - they chip and crack easily.** Remove the floor firebricks first. The side firebricks are removed later because they are pinned in place by the floor firebrick. Clean the firebox prior to replacing the firebrick.

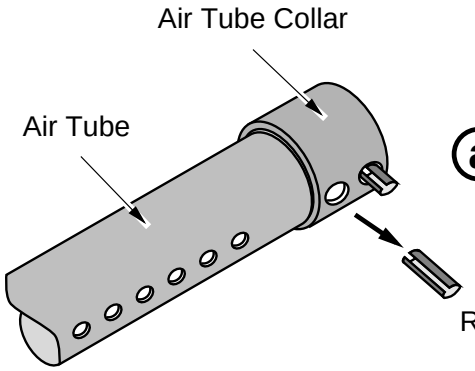
## *Baffle Removal & Replacement*

The baffle is held up by the front air tube. Make sure to support the baffle after removing the air tubes.

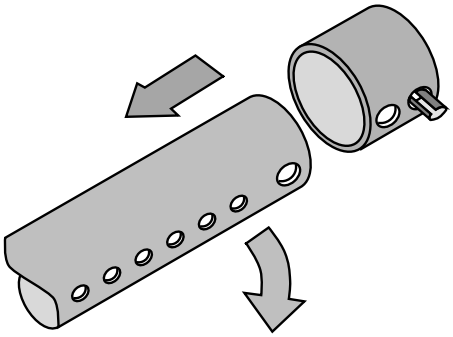
- Lift the four baffle firebricks then lift the baffle deflector up and over its resting postion.
- Slide the bricks forward and tilt them downwards to remove.

## *Air Tube Removal & Replacement*

All three air tubes are identical.




**a** Remove the left pin on the air tube collar



**b** Slide the air tube to the left, swing it down and remove from the firebox.

# 38 Limited 7 Year Warranty

Register your TRAVIS INDUSTRIES, INC. Limited 7 Year Warranty online at **traviswarranty.com.** 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:

**Check with your dealer in advance for any costs to you when arranging a warranty call.**
**Mileage or service charges are not covered by this warranty. This charge can vary from store to store.**

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

Firebox Assembly:
Firebox, Baffle Supports, Air Tubes, Air Channels, Convection Chamber

Door Assembly:
Solid Brass or Cast Door, Latch Assembly, Glass Retainers

Plated Finish
Plated Door, Legs, etc… See "Conditions & Exclusions" # 9 below.

Air Control Assembly
Slider Plate, Pressure Plate

Ceramic Glass
Glass (breakage from thermal shock)

Firebrick
Breakage from thermal shock

Accessories
Legs, Pedestal, Panels, Blower

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

## Years 3 Through 5 - COVERAGE: PARTS & LABOR

Firebox Assembly:
Firebox, Baffle Supports, Air Tubes, Air Channels, Convection Chamber

Air Control Assembly
Slider Plate, Pressure Plate

Door Assembly:
Solid Brass or Cast Door, Latch Assembly, Glass Retainers

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

***Exclusions***: Paint, Gasketing, Plated Finish, Accessories (Legs, Pedestal, Panels, Blower), Glass, Firebrick, Re-Installation Allowance

## Years 6 & 7 - COVERAGE: PARTS ONLY

Firebox Assembly:
Firebox, Baffle Supports, Air Tubes, Air Channels, Convection Chamber

Door Assembly:
Solid Brass or Cast Door, Latch Assembly, Glass Retainers

Air Control Assembly
Slider Plate, Pressure Plate

***Exclusions***: Paint, Gasketing, Plated Finish, Accessories (Legs, Pedestal, Panels, Blower), Glass, Firebrick, Re-Installation Allowance, One-Way Freight Allowance, Labor

## CONDITIONS & EXCLUSIONS

1. This new appliance must be installed by a qualified installer. 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. Discoloration and some minor expansion, contraction, or movement of certain parts and resulting noise, is normal and not a defect and, therefore, not covered under warranty. Over-firing (operation where the steel may glow red) of this appliance can cause serious damage and will nullify this warranty.
4. The warranty, as outlined within this document, does not apply to the chimney components or other Non-Travis accessories used in conjunction with the installation of this product. If in doubt as to the extent of this warranty, contact your authorized Travis retailer before installation.
5. Travis Industries will not be responsible for inadequate performance caused by environmental conditions such as nearby trees, buildings, roof tops, wind, hills or mountains or negative pressure or other influences from mechanical systems such as furnaces, fans, clothes dryers, etc.
6. 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.
7. 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.
8. This 7 Year warranty excludes damage caused by normal wear and tear, such as paint discoloration or chipping, worn or torn gasketing, chipped or cracked firebrick, etc. Also excluded is damage to the unit caused by abuse, improper installation, modification of the unit, or the use of fuel other than that for which the unit is configured (use cord wood only).
9. Damage to brass or plated surfaces caused by fingerprints, scratches, melted items, or other external sources left on the surfaces from the use of abrasive cleaners is not covered in this warranty. Damage to the surfaces from over-firing (operation where the steel may glow red) is not covered in this warranty.
10. TRAVIS INDUSTRIES, INC. is free of 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.
11. This warranty does not cover any loss or damage incurred by the use or removal of any component or apparatus to or from the Travis appliance without the express written permission of TRAVIS INDUSTRIES, INC. and bearing a TRAVIS INDUSTRIES, INC. label of approval.
12. Any statement or representation of Travis products and their performance contained in Travis advertising, packaging literature, or printed material is not part of this 7 year warranty.
13. This warranty is automatically voided if the appliance's serial number has been removed or altered in any way. If the appliance is used for commercial purposes, it is excluded from this warranty.
14. No dealer, distributor, or similar person has the authority to represent or warrant Travis products beyond the terms contained within this warranty. TRAVIS INDUSTRIES, INC. assumes no liability for such warranties or representations.
15. Travis Industries will not cover the cost of the removal or re-installation of hearths, facing, mantels, venting or other components.
16. If for any reason any section of this warranty is declared invalid, the balance of the warranty remains in effect and all other clauses shall remain in effect.
17. 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. TRAVIS INDUSTRIES, INC., at its option, will repair or replace, free of charge, your 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. Mileage or service charges are not covered by this warranty. This charge can vary from store to store.

## Listing Label

**DO NOT REMOVE THIS LABEL**

**CONTACT LOCAL BUILDING OR FIRE OFFICIALS ABOUT INSTALLATION AND RESTRICTIONS IN YOUR AREA.**
**SUITABLE FOR USE IN CONVENTIONAL RESIDENTIAL INSTALLATIONS, MANUFACTURED HOMES AND ALCOVES.**

Intertek
Report No. B0514PRT-001
Control No. 4000515

MODEL:
**ANSWER**
Certified for USA and Canada

SERIAL NO:

**CONFORMS TO: UL STD 1482, CERTIFIED TO ULC STD S627-00; ULC STD S628-M93**

**PREVENT HOUSE FIRES - Install and use only in accordance with the manufacturer's installation and operating instructions. Contact your local building or fire officials about restrictions and installation inspection in your area. Refer to local building codes and manufacturer's instructions for precautions required for passing a chimney through a combustible wall or ceiling. Do not run a chimney connector through a combustible wall or ceiling. Do not connect this unit to a chimney flue serving another appliance. Clearances may be reduced by methods specified in NFPA 211, listed wall shields, pipe shields, or other means approved by local building or fire officials.**

### FREESTANDING INSTALLATION

**STANDARD RESIDENTIAL FREESTANDING INSTALLATIONS REQUIRE: 6" diameter, minimum 24 MSG black, with listed UL-103 HT factory-built chimney, suitable for use with solid fuels or masonry chimney. Pedestal or legs are required.**

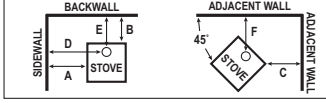
**ALCOVE INSTALLATIONS REQUIRE: One of the Listed doublewall connectors listed below. Pedestal or legs are required.**

**MANUFACTURED HOME AND REDUCED CLEARANCE INSTALLATIONS REQUIRE: One of the Listed doublewall connectors listed below. In addition, manufactured home installations require outside air - use the optional pedestal or outside air boot.**

- **AMERI-TEC model DCC connector with model HS chimney**
- **DURA-VENT model DVL connector with DURA-PLUS chimney**
- **GSW-JAKES EVANS SUPERPIPE 2100**
- **I.C.C. EXCEL (103-HT) chimney with HP connector**
- **METALFAB model DW connector with TG chimney**
- **OLIVER MACLEOD PROVENT model PV connector with model 3103 chimney**
- **SECURITY model DP connector with SECURITY model ASHT or S2100 chimney**
- **SELKIRK METALBESTOS model DS connector with model SSII chimney**

| Minimum Clearances To Combustibles And Hearth Requirements: | Singlewall Connector Conventional Residential Installations | Alcove, Manufactured Home and Reduced Clearance Conventional Residential Installations |
|---|---|---|
| A. Sidewall to Unit | 18 in. / 458 mm | 13 in. / 331 mm |
| B. Backwall to Unit | 16.5 in. / 420 mm | 9 in. / 229 mm |
| C. Corner to Unit | 10 in. / 254 mm | 7.5 in. / 191 mm |
| D. Sidewall to Connector | 27 in. / 686 mm | 21.5 in. / 547 mm |
| E. Backwall to Connector | 19.5 in. / 496 mm | 11.5 in. / 293 mm |
| F. Corner to Connector | 19.5 in. / 496 mm | 16.5 in. / 420 mm |
| G. Side & Rear Floor Protection | US: 6 in. (153 mm) / CAN: 8 in. (204 mm) | US: 6 in. (153 mm) / CAN: 8 in. (204 mm) |
| H. Front Floor Protection | US: 16 in. (407 mm) / CAN: 18 in. (458 mm) | US: 16 in. (407 mm) / CAN: 18 in. (458 mm) |

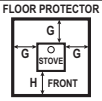
**FREESTANDING CLEARANCE DIAGRAM**




**ALCOVE SPECIFICATIONS**

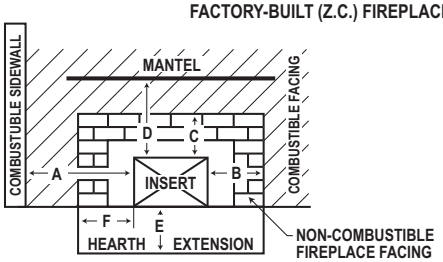
| | |
|---|---|
| Max. Alcove Depth: | 48 in. (1220 mm) |
| Min. Alcove Height: | See Owner's Manual |
| Min. Alcove Width: | See Owner's Manual |

**FLOOR PROTECTION DIAGRAM**




**Floor protection must be a non-combustible material extending beneath the heater and to the front, sides and back as indicated. See Owner's Manual for examples of non-combustible materials that can be used. Do not obstruct space beneath heater.**

### FACTORY-BUILT (Z.C.) FIREPLACE OR MASONRY FIREPLACE INSTALLATION




| Minimum Clearance to Combustibles and Hearth Requirements | Masonry Fireplace Installations | Factory-Built (Z.C.) Fireplace Installations |
|---|---|---|
| A. | 13.0 in. (331 mm) | 30.0 in. (762 mm) |
| B. | 9.5 in. (242 mm) | 12.0 in. (305 mm) |
| C. | 12.0 in. (305 mm) | 12.0 in. (305 mm) |
| With Shield | N/A | N/A |
| D. | 15.5 in. (394 mm) | 24.0 in. (610 mm) |
| With Shield | N/A | N/A |
| E. (US) | 16.0 in. (407 mm) | 16.0 in. (407 mm) |
| E. (Can) | 18.0 in. (458 mm) | 18.0 in. (458 mm) |
| F. | 8.0 in. (204 mm) | 8.0 in. (204 mm) |

**Factory-Built (Z.C.) Fireplace installations require a minimum 24" starter section directly connected to the fireplace chimney or a full re-line. Factory-Built (Z.C.) Fireplace chimney must have a minimum cross-sectional area of 28.85 square inches. The Factory-Built (Z.C.) Fireplace damper and control must be removed, or secured in the open position. For minimum Factory-Built (Z.C.) Fireplace firebox size, see manufacturer's installation instructions. Factory-Built (Z.C.) Fireplace floor protection must be 3/8" minimum non-combustible material or equivalent, extending 16" in front of insert and 8" to both sides. A metal deflector plate must be installed if the flue collar is not completely behind the Lintel plate of the Factory-Built (Z.C.) Fireplace openings.**

**Electrical Rating:** 115V., 60 Hz., 1.8 Amps
**Optional Blower:** SKU # 99000128, 99000138

**Do not route power cord under or in front of appliance.**

**Replace glass only with 5mm neoceramic or ceramic glass.**

TRAVIS INDUSTRIES
HOUSE OF FIRE

**Manufactured by:**
**TRAVIS INDUSTRIES, INC.**
**12521 Harbour Reach Drive**
**Mukilteo, WA 98275**
**www.travisproducts.com**

**U.S. ENVIRONMENTAL PROTECTION AGENCY**
**Certified to comply with 2015 particulate emission standards. Not approved for sale after May 15, 2020. 4.4 g/h, Method 28, 5H, 2015**

**DATE OF MANUFACTURE**

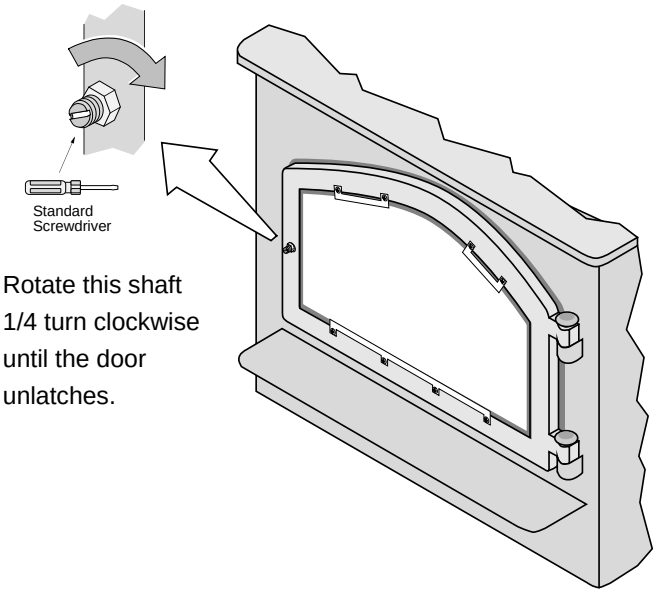
| 2015 | 2016 | 2017 | 2018 | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | |

**Made in U.S.A.**

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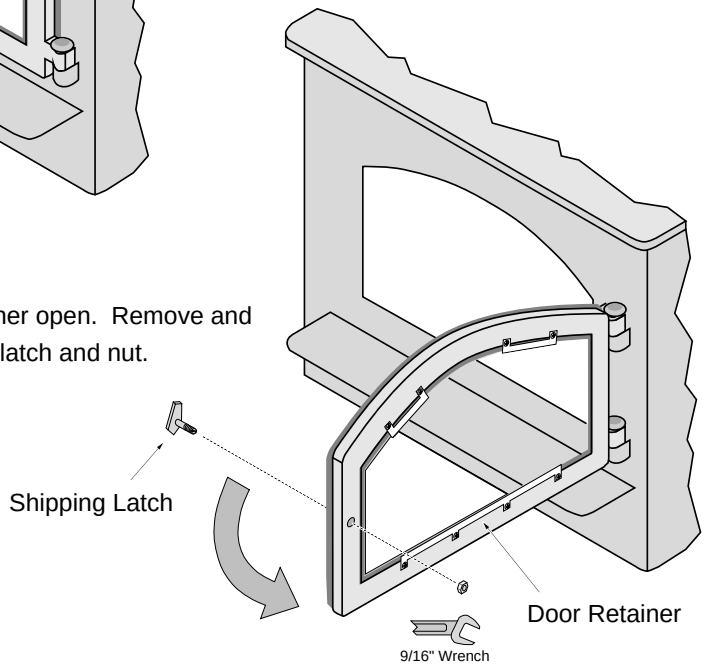
## *Door Shell Installation*

1. Remove the door retainer shipping latch following the directions below.

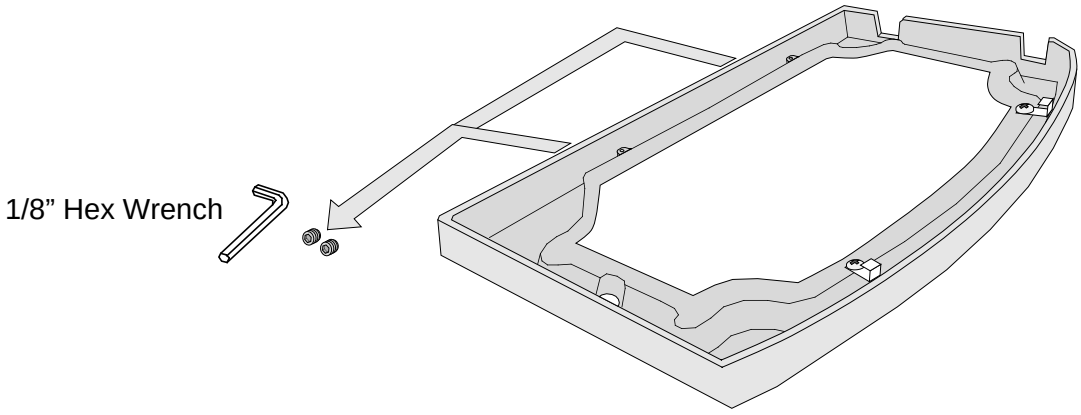



Rotate this shaft 1/4 turn clockwise until the door unlatches.

Swing the door retianer open. Remove and discard the shipping latch and nut.




2. Place the door shell face down on a non-scratching surface.
3. Remove and discard the two set screws pre-installed on the bottom of the door shell (if applicable).



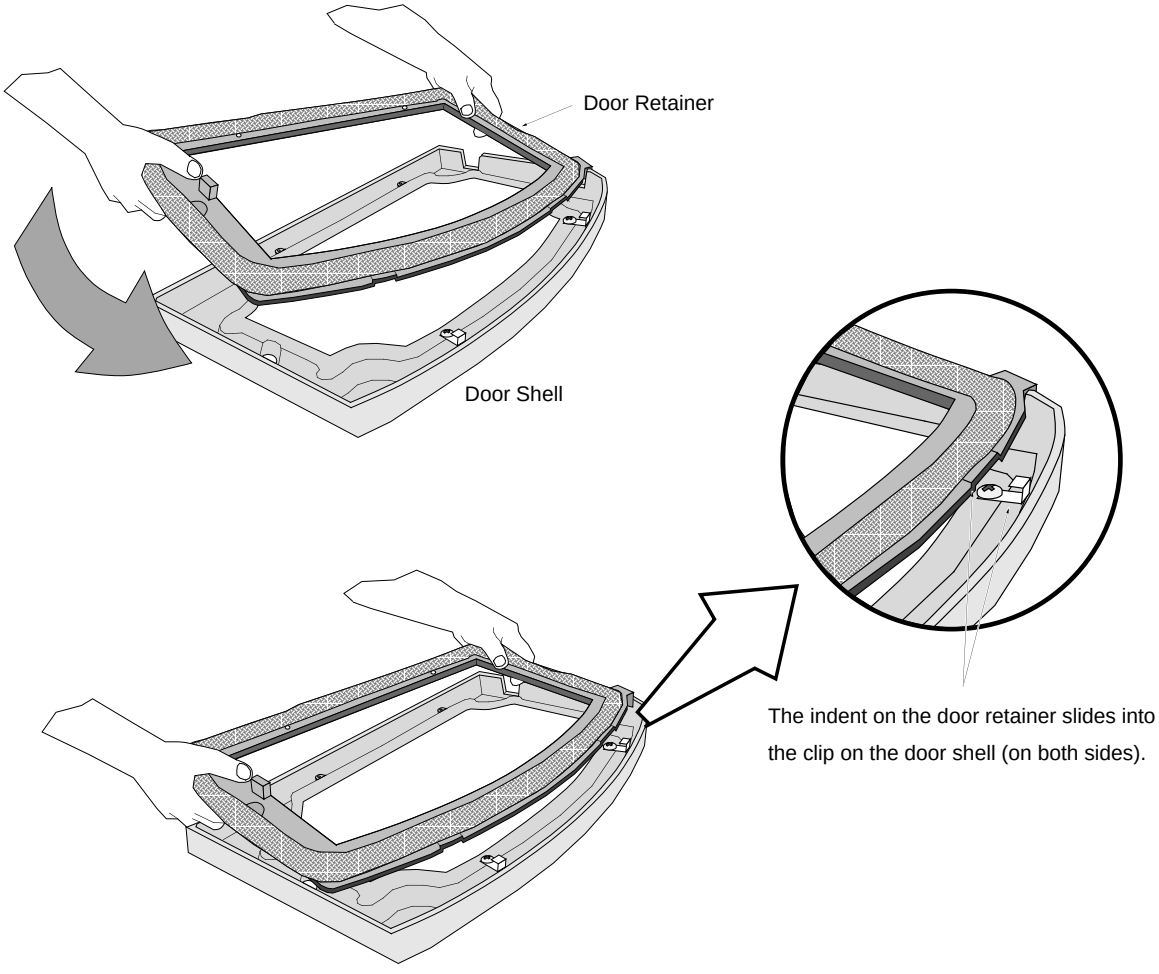
### Nickel (Cast Iron) Doors Only

Use a socket-head wrench with 5/16” socket to pre-thread the holes 6 revolutions. If you pre-thread move revolutions, it may bottom out and break the head off the screw. Remove and retain the screws. See the photos below.

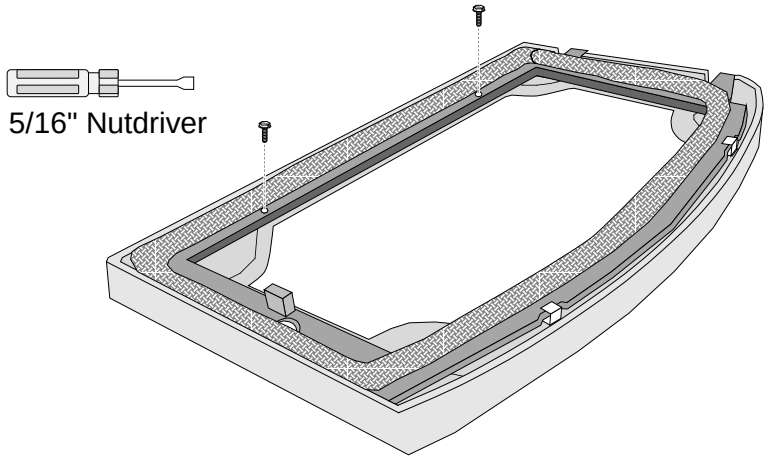




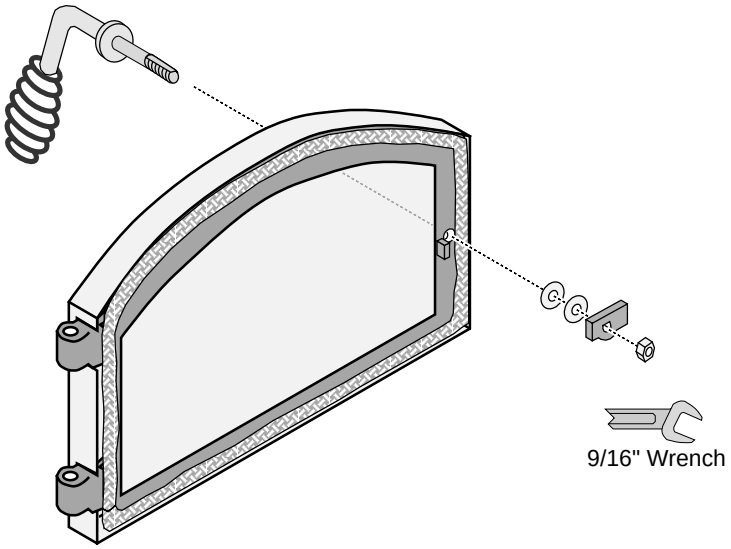
4. Place the door retainer into the door shell as shown below.



Make sure the holes in the retainer line up with the holes on the shell then use a 5/16” nutdriver to secure the shell with the two screws. Tighten until the door shell is snug against the retainer (do not over-tighten).




5. Attach the door handle following the directions to the right.
6. Replace the door on the hinges and latch the door.

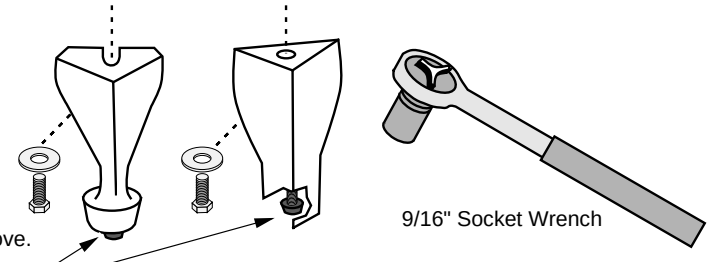



## *Stove Leg Installation*

Part Numbers: Brass # 99200500, Cast Black # 99200800, Sculptured Steel # 99200105

- Raise the stove 8" (use lumber). Attach each leg following the instructions below.

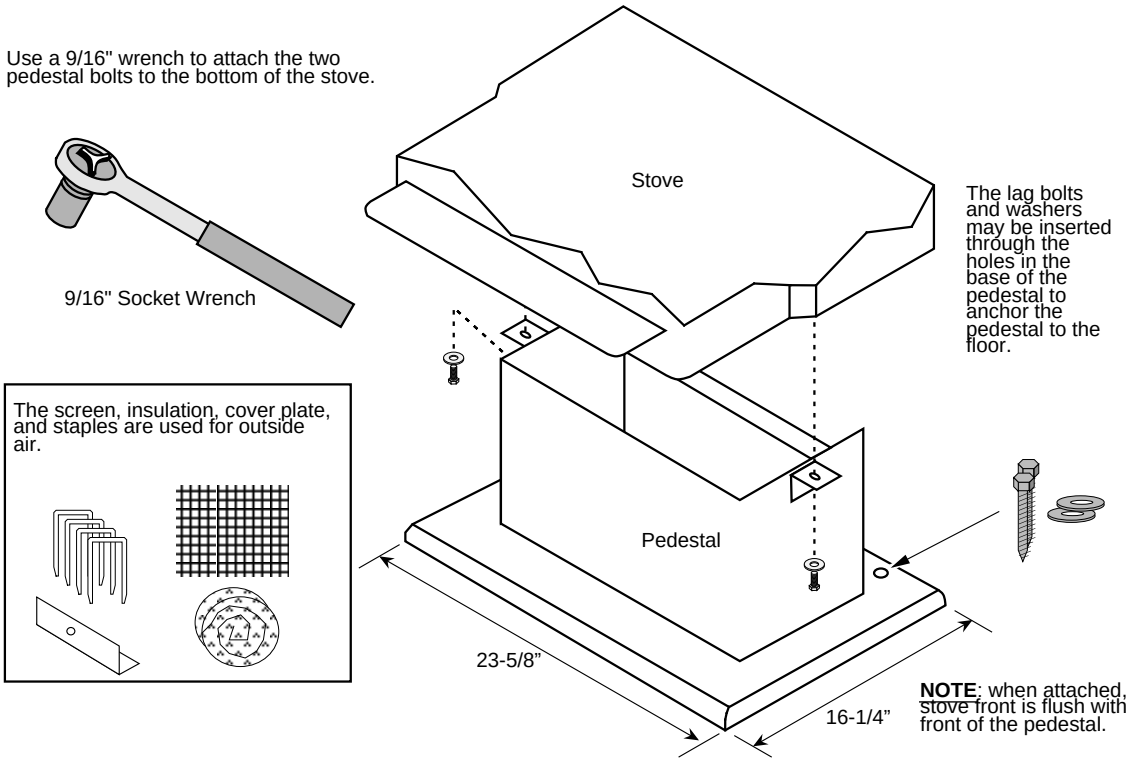
Attach each leg to the stove by inserting a bolt and washer through the hole or slot in the leg and into the threaded hole on the stove.




These rubber-tipped bolts are for leveling the stove. Make sure they contact the floor. Do not adjust with weight on the legs, the rubber tips may tear.

## *Pedestal (Part # 99200106)*

If using outside air with the pedestal, follow the directions below under "Using Outside Air with the Pedestal" prior to installing the pedestal.

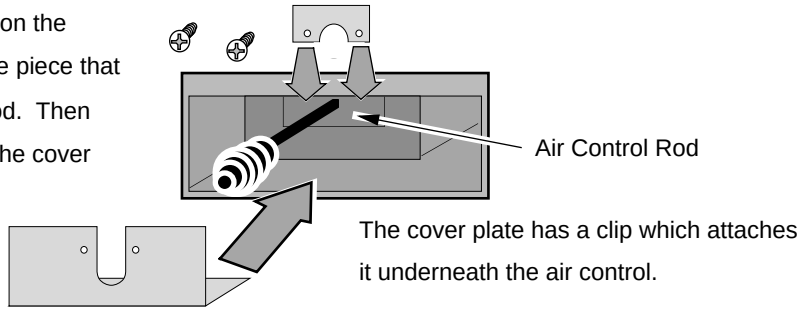



### Using Outside Air with the Pedestal

Before installing, check the section "Outside Air Requirements" 12 for installation concerns.

1. Determine the location of the outside air hole penetrating the floor (& hearth). The illustration above details the size of pedestal and its location in relation to the stove. The hole may be cut anywhere underneath the pedestal, as long as it is not within 2" of the outside perimeter of the pedestal, is at least 16 square inches in area, and does not interfere with structural members of the home. Place the rodent screen over the hole (above or below) and secure with staples.
2. Attach the stove to the pedestal with the included bolts. Tuck the included insulation underneath the side edges of pedestal to seal off any air from entering underneath the pedestal.
3. Install the cover plate following the directions below (use the cover plate that is 6-1/2" wide). The cover plate prevents combustion air from entering the front of the stove.

Remove the two screws on the cover plate to remove the piece that fits over the air control rod. Then replace the piece when the cover plate is in place.

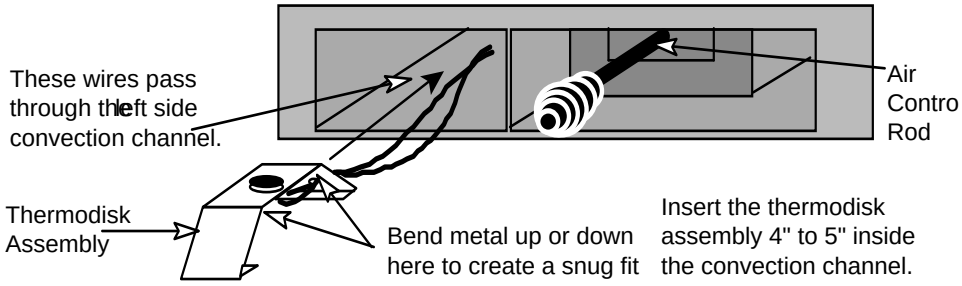


## *Rear Blower Installation (Part # 99000138)*

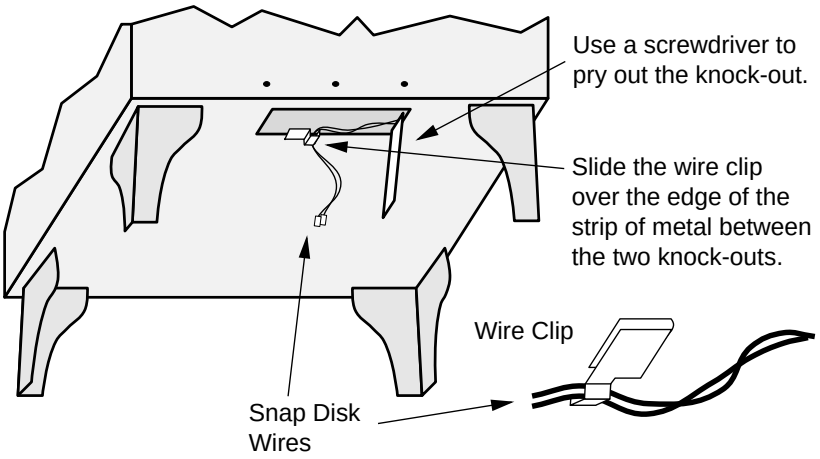
The rear blower improves heat transfer by pushing heated air through the convection channel. Operating instructions are described in the section "Blower Operation".

1 The stove should be in place with the legs installed prior to installing the rear blower.

2 Follow the directions below to install the thermodisk.



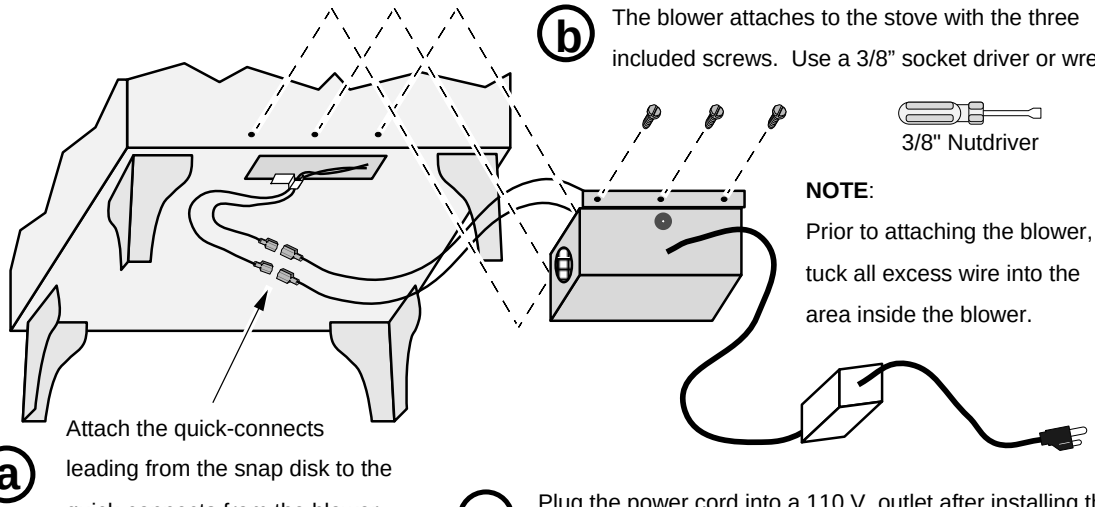

3 Install the wire clip following the directions below.




Feed the two snap disk wires into the eye of the wire clip. Remove all slack from the wire, making sure not to dislodge the snap disk. Pinch the eye of the wire clip to secure the wires.

**WARNING:**
To prevent electrical shock, the wires must be secured so they do not contact the firebox above the convection channel.

4 Attach the blower following the directions below.



**b** The blower attaches to the stove with the three included screws. Use a 3/8" socket driver or wrench.

3/8" Nutdriver

**NOTE**:
Prior to attaching the blower, tuck all excess wire into the area inside the blower.

**a** Attach the quick-connects leading from the snap disk to the quick-connects from the blower (orientation does not matter).

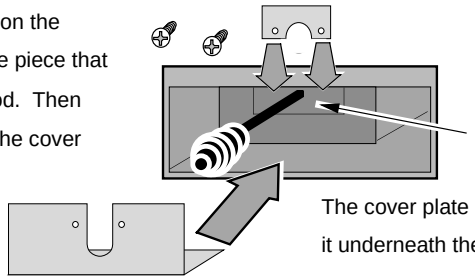
**c** Plug the power cord into a 110 V. outlet after installing the blower.

## *Outside Air Boot Installation (Part number 99200134)*

The outside air boot routes outside air to the stove for combustion. Refer to the section "Outside Air Requirements" for installation concerns. The directions below detail installation.

1 Install the cover plate following the directions below (use the cover plate that is 6-1/2" wide). The cover plate prevents combustion air from entering the front of the stove.

Remove the two screws on the cover plate to remove the piece that fits over the air control rod. Then replace the piece when the cover plate is in place.

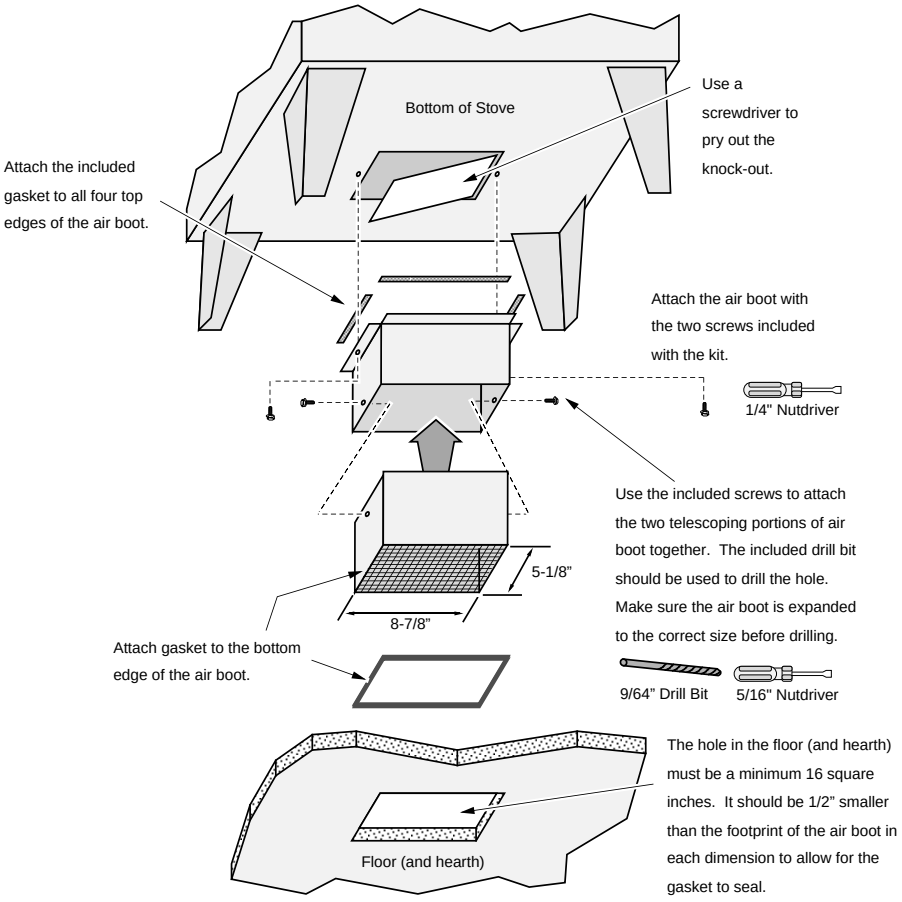



2 Refer to the illustration below to determine the location and size of the hole penetrating the floor and hearth. The knock-out (which is pre-removed) is 6-3/8" behind the face of the stove - it is 8" wide and 4-1/4" deep. Cut the hole prior to locating the stove.

3 Attach gasket to the bottom edge of the lower air boot section (near the screen). Attach gasket on top of the flanges on the upper air boot section. Slide the two sections together with both seams facing the rear (do not attach the two sections at this time).

4 Follow the directions below for attaching the upper section of the air boot (with gasket) to the stove.

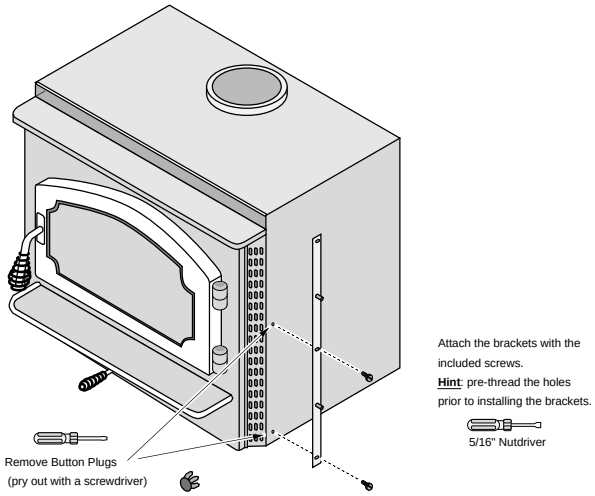
5 Slide the lower section down until it contacts the hearth. Attach the two sections together following the directions below



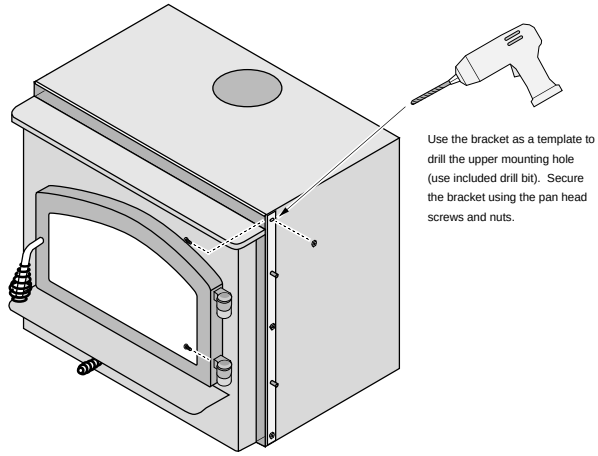
## *Surround Panels*

| | **Height** | **Width** |
|---|---|---|
| Custom Panel 96100593 | Custom | Custom |
| Small Panel 96100440 | 28.5” | 40” |
| Medium Panel 96100441 | 30.5” | 42” |

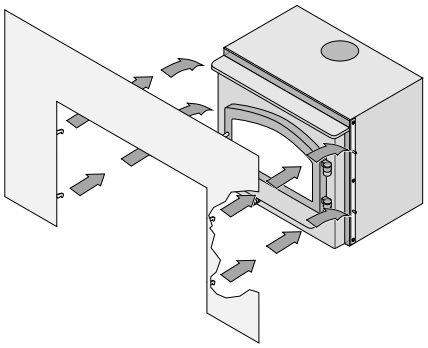
1. The insert should be in position, but pulled out slightly to allow access to the sides and top of the insert.
2. Attach the side brackets to the side of the insert using the included 10-24 thread forming screws (see illustration below).




3. Use the included drill bit to drill a hole into the top convection channel as shown in the illustration below. Use the included pan head screws and nuts to fully secure the side brackets.



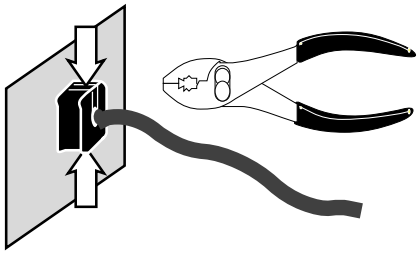

4. Place the insert into position (flue attached). Attach the surround panel as shown below.



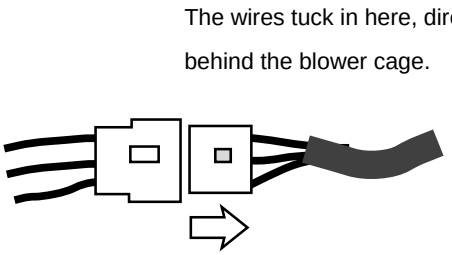
## *Front Blower (part # 99000123)*

### To Switch The Power Cord To The Left Side:

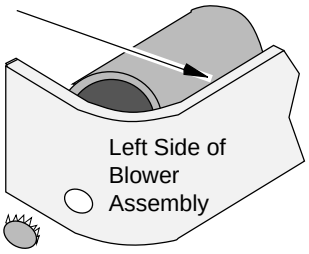
Use a pair of pliers to disconnect the strain relief which holds the power cord in place. With the power cord slackened, the molex connectors that attach the power cord to the blower assembly may be disconnected. Pry the button plug from the left side of the blower assembly and insert it into the hole on the right side. Pull the left side molex connector out from behind the deflection plate and cut the nylon tie that holds the wire back. Insert the molex connector on the power cord through the hole on the left side of the blower assembly and attach it to the left side molex connector. Route the wire directly behind the blower cage. Place the strain relief over the power cord (it should be in the same location on the power cord that it was before – approximately 2" from where the wires split). Insert the strain relief into the hole on the left side until the strain relief locks in place. Make sure the power cord, wires, or molex assembly do not protrude into the opening of the blower.



Remove the strain relief by squeezing it from the top and bottom with a pair of slip-joint pliers.




Disconnect the molex plug inside the blower assembly. Remove the power cord by pulling it out of the hole exposed by removing the strain relief.

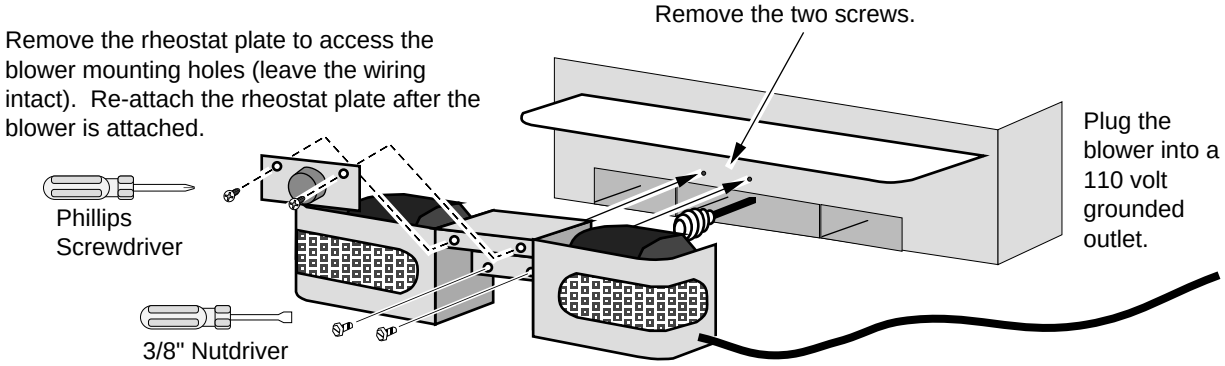



Remove the button plug from the left side and insert it into the hole on the right side.

### Installation Instructions

1. Attach the blower following the instructions below.

   **NOTE: Before tightening the screws with a 3/8" nutdriver, lift the blower up so it tucks underneath the ashlip.**




Use a 3/8" nutdriver to secure the front blower to the appliance.

2. Plug the power cord running from the control box into a grounded 110 volt electrical outlet.

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