

Endeavor Wood Stove

(EPA 2020 Compliant)

Manual

- Freestanding Stove
- Mobile-Home Approved
- Alcove Approved
- Hearth-Stove Approved

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.



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Intertek Tested to: UL 1482, & ULC S627

Introduction

We welcome you as a new owner of a Lopi Endeavor wood-burning stove. In purchasing a Lopi Endeavor 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 Endeavor 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 Endeavor appliance has the same serial number as yours. The serial number is on the label located on the back of the appliance.	Register your warranty online at: traviswarranty.com
This serial number will be needed in case you require service of any type.	Save Your Bill of Sale. To receive full warranty coverage, you will need to show evidence of the date you purchased your heater.
Model: Lopi Endeavor Serial Number:	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.
Purchase Date:	
Purchased From:	



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 Wood Energy

www.nficertified.org Training (WETT).



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# **Safety Precautions**



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.



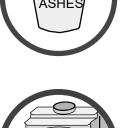
Gasoline or other flammable liquids must never be used to start the fire or "Freshen Up" the fire. Do not store or use gasoline or other flammable liquids in the vicinity of this appliance.



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.



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.



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



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

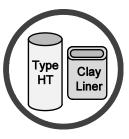


Contact your local building officials to obtain a permit and information on any installation restrictions or inspection requirements in your area. Notify your insurance company of this appliance as well.



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.

# **Safety Precautions**



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.

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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.



Over-firing the appliance may cause a house fire. If a unit or chimney connector glows, you are over-firing.



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 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.



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



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

Travis Wood Burning Fireplaces, Stoves and Inserts are protected by one or more of the following patents; U.S. 9,170,025 4,665,889 as well as other U.S. and Foreign Patents pending.

This wood heater needs periodic inspection and repair for proper operation. It is against federal regulations to operate this wood heater in a manner inconsistent with operating instructions in this manual.

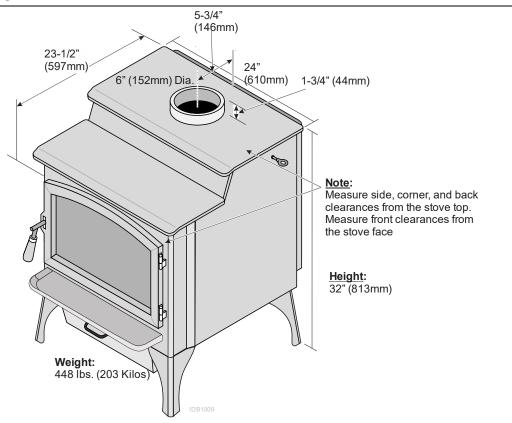
6	Features & Specifications	
Installation Options	Features	
Freestanding	Single Operating Control	
• Freestanding in an Alcove	<ul> <li>Steel Plate Construction (5/16" &amp; 3/16") (8mr</li> </ul>	n & 10mm)
• Freestanding in a Mobile Hom	Heavy Duty Refractory Firebrick	
Freestanding Hearth Stove	Optional High-Tech Blower	
Heating Specification		
Approximate Maximum Heatir	Capacity (in square feet)* 1,200 to 2,000	
EPA Tested Cord Wood BTUs	er Hour** 15,435 to 67,090	
Maximum Burn Time	Up to 10 Hours	
Heating capacity will vary depend	g on the home's floor plan, degree of insulation, and the outside tempera	ature. It is

Heating capacity will vary depending on the nome's floor plan, degree of insulation, and the outside temperature. It is also affected by the quality and moisture level of the fuel.
 ** EDA tests to determine DTU outsuit are achieved with a single lead of wood at each hum rate. At herea you are likely.

** EPA tests to determine BTU output are achieved with a single load of wood at each burn rate. At home, you are likely to add more wood to your stove to maintain your desired comfort level. By the simple process of loading your stove with additional wood, you could achieve up to a 20% higher heat output than established during EPA testing.

This model was tested for efficiency using method B415.1-10 and was determined to have a weighted average Higher Heating Value (HHV) Overall Heating Efficiency (OHE) of 74.16%. Overall efficiency of the heater may be lower if the heater is operated without a heat exchange blower or with the installed heat exchange blower turned off.

#### Dimensions



#### Emissions

This heater meets the 2020 U.S. EPA's cord wood emission limits for wood heaters. Tested to EPA Alt-125, ASTM E3053-17, ASTM 2515-11, CSA B415.1-10 this heater has been shown to deliver heat at rates ranging from 15,435 to 67,090 BTU/hr and an emission value of 1.40g/h. Report No. 0028WS062E



Figure 1

## 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 (page 34) - replace before operation.

## 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 16)	<ul><li>Requires ceiling and roof penetration</li><li>Provides best draft</li></ul>
Cathedral Ceiling with a Factory Built Chimney (Page 16)	<ul><li>Cathedral style chimney support required</li><li>Provides best draft</li></ul>
Exterior Factory Built Chimney (Page 17)	<ul> <li>Uses two elbows to route chimney outside</li> <li>Exterior chimney is hidden from the room</li> <li>Elbows reduce draft</li> <li>Optional exterior chase reduces cold air blockage</li> </ul>
Hearth Stove Positive Connection (Page 17)	<ul> <li>Utilizes existing masonry or zero clearance (metal) chimney</li> <li>Provides good draft due to full reline</li> <li>Easier to clean than direct or horizontal hearth stove</li> </ul>
Interior Masonry Chimney (Page 18) <u>NOT APPROVED IN CANADA</u>	<ul> <li>Utilizes existing masonry chimney (not approved for zero clearance (metal) fireplaces)</li> </ul>

## **Packing List**

- Wood Moisture Meter
- Bypass tool
- Gloves

#### Floor Protection Requirements

- Stove must be placed on the Travis Industries legs.
- Floor protection must extend to the sides, rear, and front of the stove (see "Clearances" for minimum floor protection).
- Floor protection must be non-combustible and at least .018" thick (26 gauge).
- No R value is required for floor protection (R = 0).

### Stove Placement Requirements



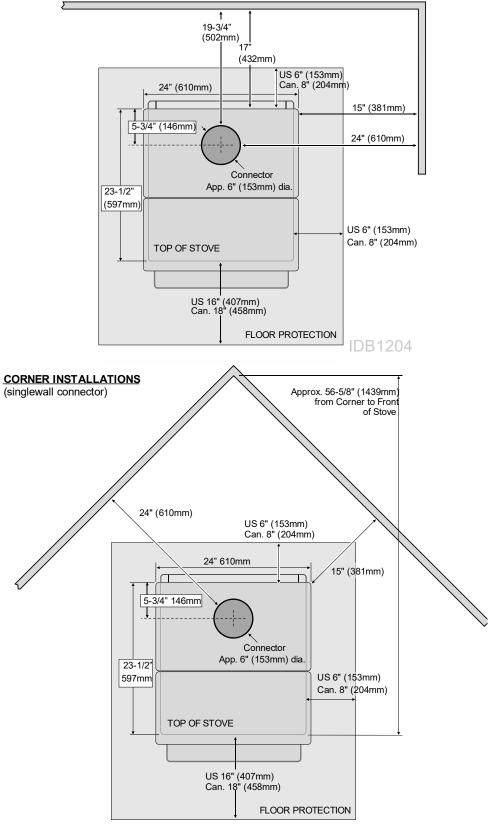
Clearances may be reduced by methods specified in NFPA 211, listed wall shields, pipe shields, or other means approved by local building or fire officials.

- Stove must be placed so that no combustibles are within, or can swing within (e.g. drapes, doors), 36" (914mm) of the front of the stove
- If the stove is placed in a location where the ceiling height is less than 7' (2134mm), it must follow the requirements in the section "Alcove Installation Requirements"
- Must maintain the clearances to combustibles (drywall, furniture, etc.) shown in following illustrations:
- The stove requires an air source to operate. Combustion air starvation will result in poor performance or smoke in the house.

## Clearances – Single Wall Connector

#### STRAIGHT INSTALLATIONS

(singlewall connector)



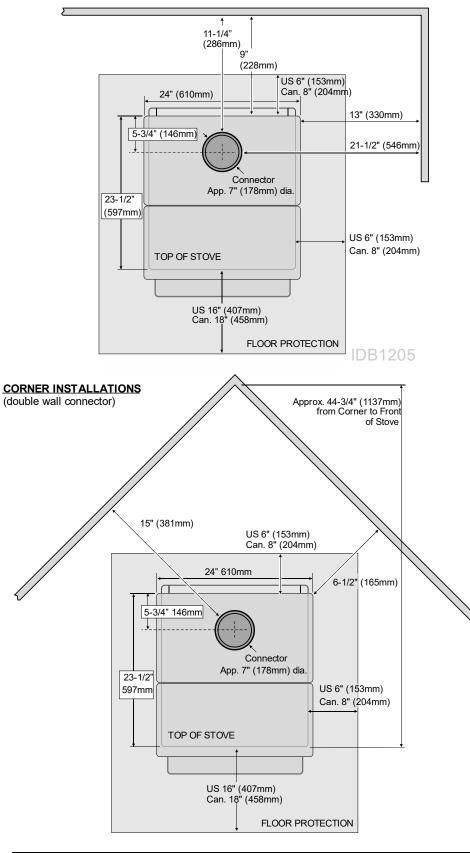
**NOTE**: Measure rear and side stove clearances from the nearest edge of the stove top.

**<u>NOTE</u>**: Measure front floor protection from the face of the stove (unibody).

### **Clearances – Reduced Clearance Connector**

STRAIGHT INSTALLATIONS

(double wall connector)



**<u>NOTE</u>**: Measure rear and side stove clearances from the nearest edge of the stove top.

**<u>NOTE</u>**: Measure front floor protection from the face of the stove (unibody).

**NOTE:** Reduced clearance connectors may require an appliance adapter to connect to the flue collar.

**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.

**<u>NOTE</u>**: Vent diameter varies depending upon brand and model.

**NOTE:** 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 ULTRABlack connector
- METALFAB model DW connector with TG chimney
- OLIVER MACLEOD PROVENT model PV connector with model 3103 chimney
- SECURITY model DP or DL connector with SECURITY model ASHT or S2100 chimney
- SELKIRK METALBESTOS model DS connector with model SSII chimney
   Standard Masonry Chimney with any
- Standard Masonry Chimney with any one of the above listed connectors

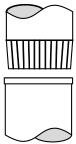
### **Chimney Connector Requirements**

- 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 cannot 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° of elbows (two 90° elbows, or two 45° & one 90° 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.

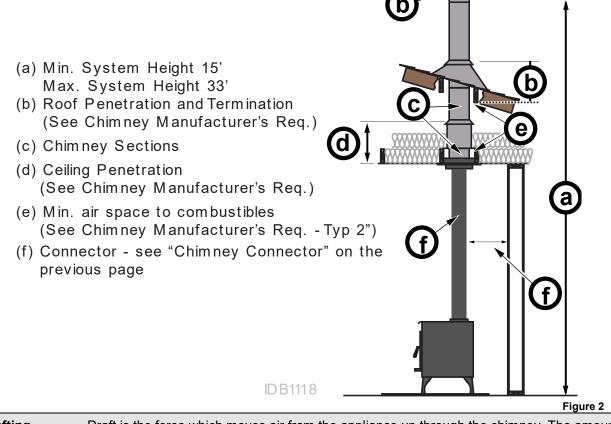


- The chimney connector must be fastened to the stove and each adjoining section (and chimney).
- Standard residential installations may use single-wall connector (Mobile-Homes may <u>not</u>)
- Standard residential installations with reduced clearance connector may use the clearance determined by the 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 connector must be in good condition and kept clean.

#### **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.

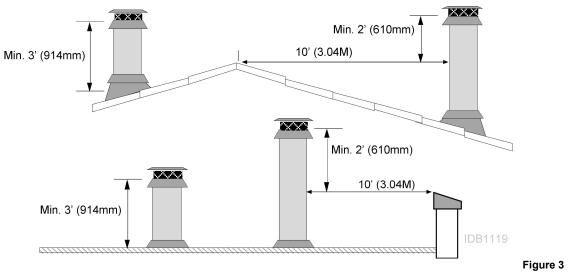


# **Drafting Performance** Draft is the force which moves air from the appliance up through the chimney. The amount of draft in your chimney depends on the length of the chimney, local geography, nearby obstructions and other factors. Too much draft may cause excessive temperatures in the appliance and 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.

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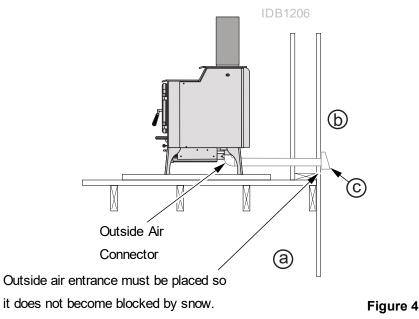
## **Chimney Termination Requirements**

- 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' above the roof <u>and</u> at least 2' above any portion of the roof within 10' (see Figure 3).



## **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 (b). Must have suitable rodent/debris screen and rain protection (hood) (c).
- Requires the optional outside air kit (sku# 99200139) see below.
- Air duct maximum length is 15' (4.57M) with a minimum cross section of 16 square inches (10323mm) or 6' (1.83M) with a minimum cross section of 7 square inches (4517mm).



#### Alcove Installation Requirements

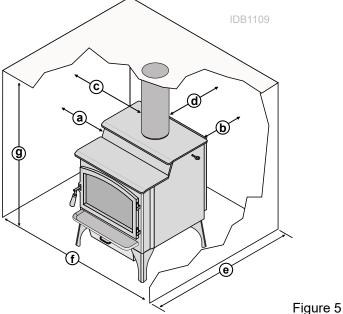
Whenever the stove is placed in a location where the ceiling height is less than 7' (2134mm) tall, it is considered an alcove installation. Because of the reduced height, the special installation requirements listed below must be met.

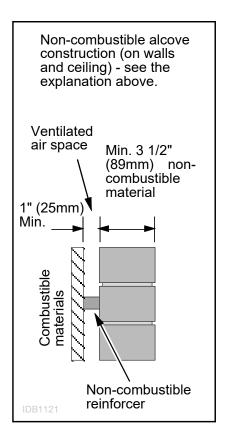
• Chimney connector and chimney must be one of the following types:

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 ULTRABlack connector METALFAB model DW connector with TG chimney OLIVER MACLEOD PROVENT model PV connector with model 3103 chimney SECURITY model DP or DL 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" (89mm) thick of a non-combustible material (brick, stone, or concrete. This non-combustible material must be spaced and ventilated at least 1" (25mm) 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:

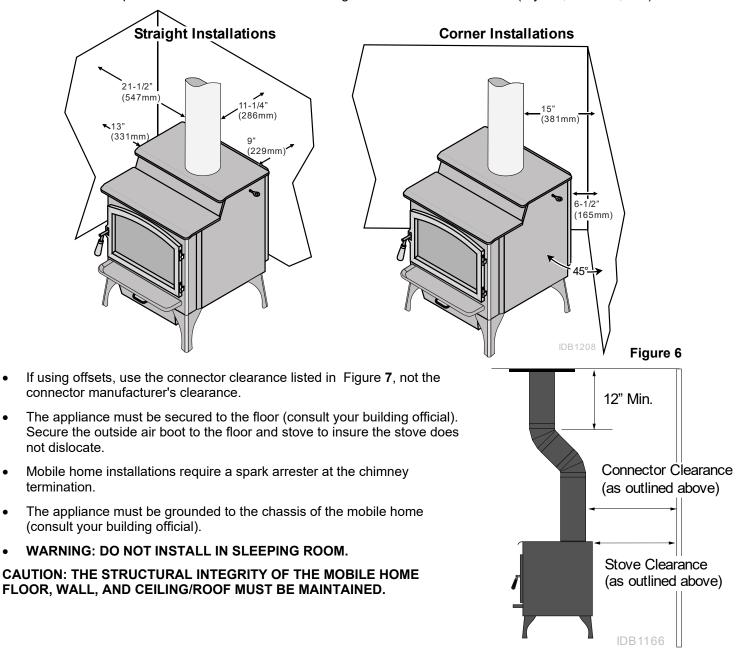
Miniumum Clearance	Combustible Alcove	Non-Combustible Alcove
(a) Sidewall to stove	13" (331mm)	6" (153mm)
(b) Backwall to stove	9" (229mm)	2" (51mm)
(c) Connector to sidewall	21-1/2" (547mm)	14-1/2" (369mm)
(d) Connector to backwall (With Fan and Ignite)	11-1/4" (286mm)	6-1/4" (159mm)
(d) Connector to backwall (Without Fan and Ignite)	11-1/4" (286mm)	3-1/2" (89mm)
(e) Maximum depth of alcove	48" (1220mm)	48" (1220mm)
(f) Minimum width of alcove	50" (1270mm)	36" (914mm)
(g) Minimum height of alcove	84" (2134mm)	6" (153mm) above stove top
		IDB1109





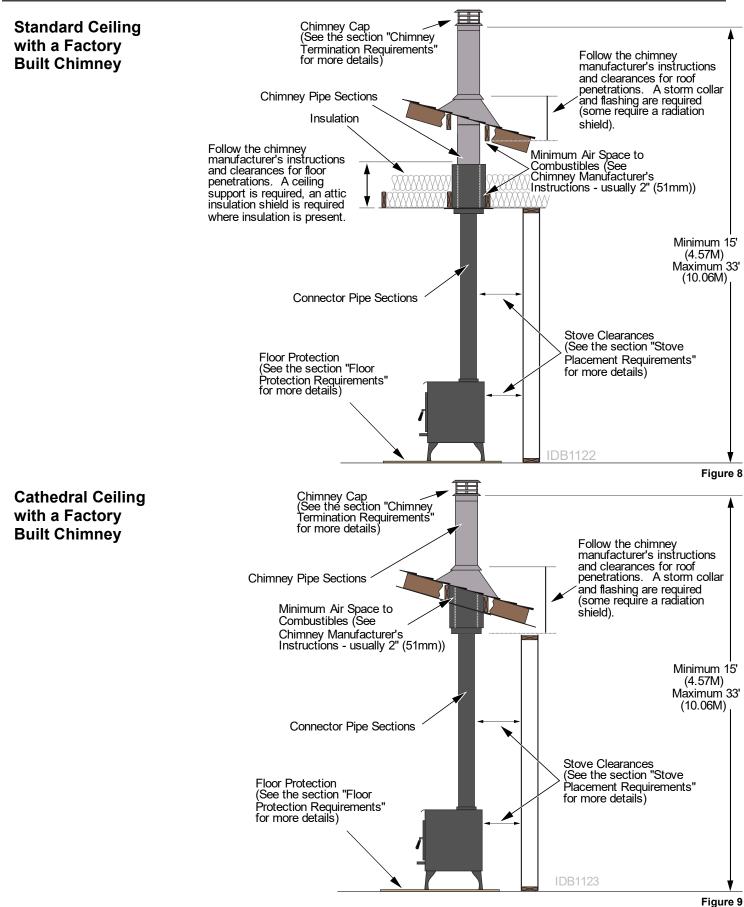
#### Mobile Home Requirements

- Outside air must be installed see "Outside Air Requirements" on page 13
- 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 ULTRABlack connector METALFAB model DW connector with TG chimney OLIVER MACLEOD PROVENT model PV connector with model 3103 chimney SECURITY model DP or DL 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.)



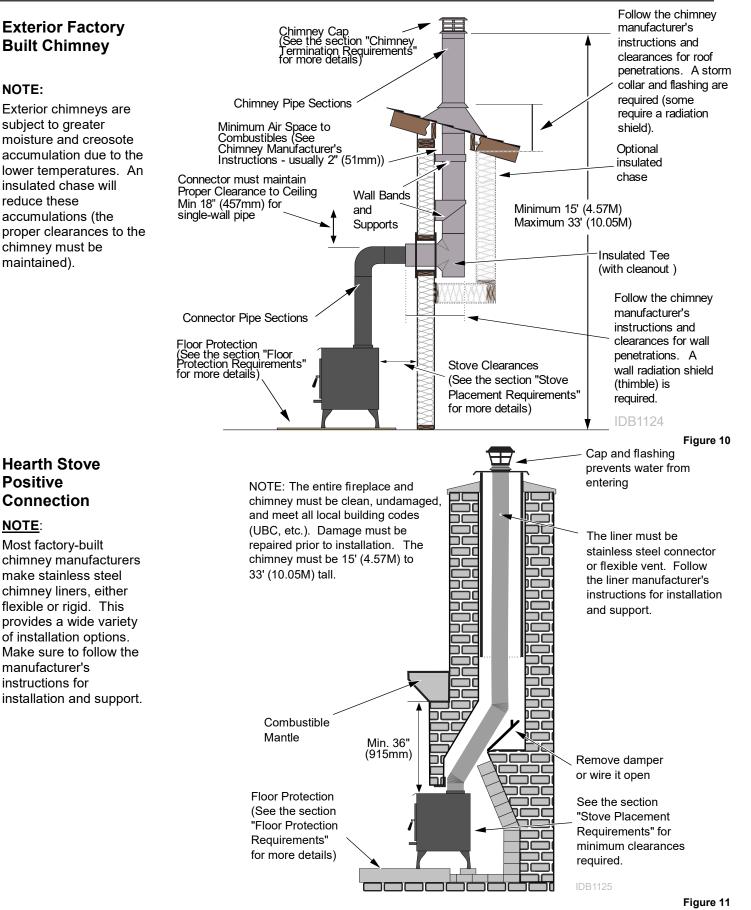
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## Stove Installation (for qualified installers only)



16

17



#### 18

#### Stove Installation (for qualified installers only)

#### 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' (4.57M) to 33' (10.05M) tall.

This type of Proper Clearance to Ceiling installation requires Min 18" (457mm) for a UBC approved single-wall pipe masonry connector חר or other method Connector Pipe Sections 、 חר approved by the Stove Clearances NFPA 211 standard (See the section "Stove Placement Requirements" for more details) Make sure the Floor Protection (See the section "Floor clean-out seals in Protection Requirements" place. for more details) IDB1127

Figure 12

Cap prevents water

from entering

Clay Liner

#### 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.

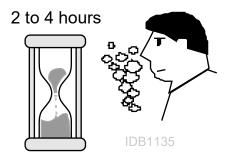


Keep all flammable materials 36" away from the front of the stove (drapes, furniture, clothing, etc.).

#### 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.

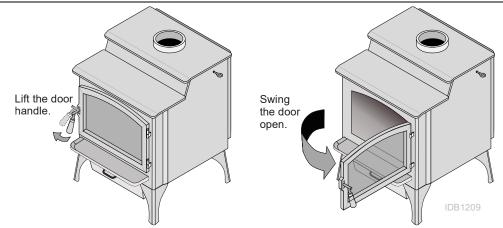
This stove was designed to operate at a high temperature. But due to differences in vent configuration, fuel, and draft, this appliance can be operated at an excessive temperature. If the stove top or other area starts to glow red, you are over-firing the stove. Shut the air control down to low and allow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

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



Do not operate the stove with the door open. A fire hazard will result.

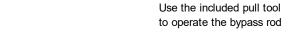
To prevent smoke from entering the room, open the air control before opening the door. You can also open the door a small amount and let air enter the firebox.

## **Bypass Operation**

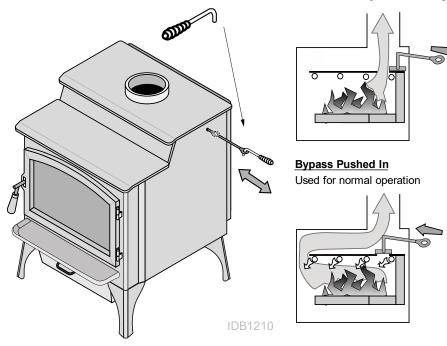
The bypass control becomes hot during operation - use gloves or a tool to prevent burns.

The bypass controls the flow of smoke inside the heater. When pulled out, smoke goes directly up the flue, creating more draft. When pushed in, the smoke goes around the baffle, utilizing the secondary combustion and making the heater more efficient.

- When starting or re-loading, pull the bypass out.
- During normal operation, push the bypass in.



Bypass Pulled Out Used for starting and re-loading



#### Before Starting a Fire



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

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



<u>Never</u> 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.



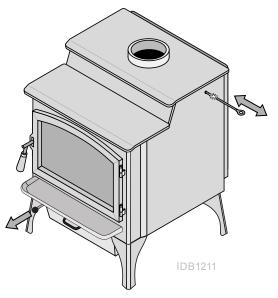
HOT WHILE IN OPERATION. KEEP CHILDREN, CLOTHING AND FURNITURE AWAY. CONTACT MAY CAUSE SKIN BURNS.



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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").

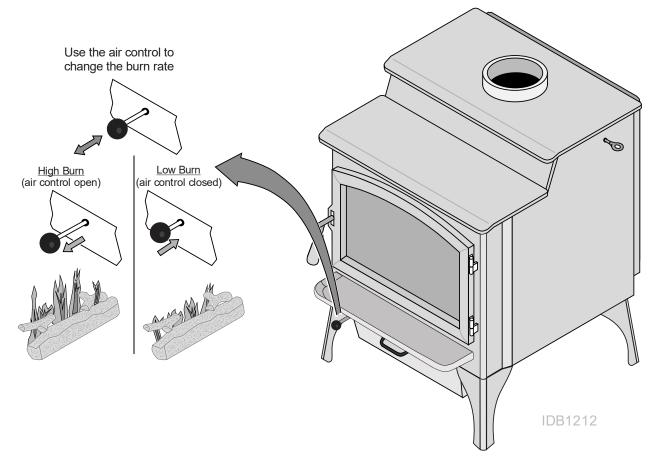
Use plenty of kindling to ensure the stove reaches a proper temperature. Once the kindling is burning rapidly, place a few larger pieces of wood onto the fire.





### 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 Medium Burn High Burn Fully in to 1/2" open 1/2" to fully open Fully open (pulled out)



The air control may become 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.

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#### **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:** 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) and the By-pass are all the way open. Starting a wood appliance can produce a lot of smoke. To reduce the smoke when starting your fire the top-down method described here was found to have the cleanest starts. Stack four or five layers of medium sized kindling 1 to 2" in diameter in a hatching pattern, three pieces per layer with about  $\frac{1}{2}$ " to 1" spacing.

On top place a row of smaller 1" diameter pieces all the way across and a nest of pencil sized kindling on the top center. Light the small kindling nest on top and let it burn down through your layers of kindling. With this method, once the fire is established you should be able to close the door and By-pass, if the fire starts to die out reopen the door and leave it cracked until the fire takes off. **Never leave your heater unattended if** 



<u>the door is not latched shut</u>. Reload the unit with cordwood when the kindling pile has burned about three-quarters of the way through. Put enough wood in to establish a good coal bed, we recommend wood cut to 15" long. Load 3 large pieces placed front to back on the coal bed and 2 large pieces on top loaded side to side, leaving  $\frac{1}{4}$ "-1/2" gaps between the pieces of wood. The presence of a hot coal bed is critical to good combustion. We cannot overstate the importance of a hot coal bed before slowing your burn rate down. We recommend burning this first full load of cordwood completely through at the high burn rate to get your heater up to temperature and to establish a coal bed before reloading and slowing the burn rate.

**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, 4 large pieces loaded front to back on the coal bed and 2 large pieces loaded side to side on top making sure there are air gaps between the middle bottom pieces and the top 2 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.



## Ash Removal



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 Pan Removal

# Do not operate this stove with the ash pan open. A fire hazard will result.



The ash pan must be properly inserted and fully closed during operation. Failure to fully close and seal the ash pan may lead to an over-fired stove, negating the warranty and creating a safety hazard.



The ash pan may be removed only after the stove has fully cooled.

To remove the ash pan:

1. Twist the ash pan handle down and pull out the ash pan.





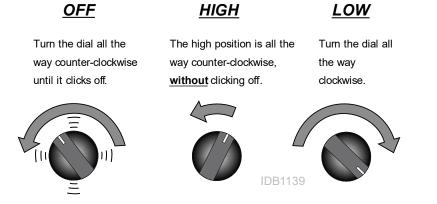


2. Lift out the ash pan by the edges and use the handle to transport the ash pan to the metal container.



## **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.





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**



Use gloves when reloading wood.

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

- 1. Open the air control all the way (pull out).
- 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 10 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, and 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

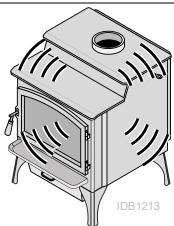
The steel may creak or click when the stove heats up and cools down - this is normal.

#### 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

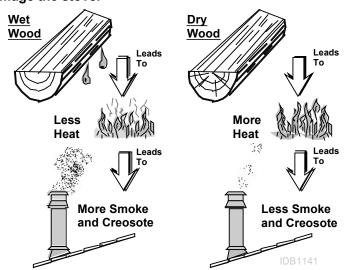
- Get the appliance hot before adjusting to low burn
- Use smaller pieces of wood during start-up and high burns to increase temperature
- Use larger pieces of wood for overnight or sustained burns
- Stack the wood tightly together to establish a longer burn
- Be considerate of neighbors & the environment: 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**



Burn only untreated wood. Burning other materials such as wood preservatives, metal foils, coal, plastic, sulfur, or oil may damage the stove.

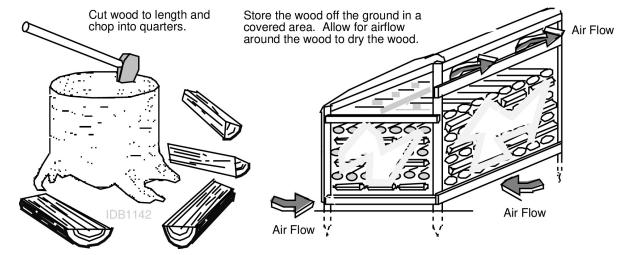
- Dry Wood is Key 15-20% moisture content
- Dry wood burns hot, emits less smoke and creates less creosote.
- Split wood stored in a dry area will be fully dry within a year. This insures dry wood. If purchasing wood for immediate use, test the wood with a moisture meter. Some experienced wood burners can measure wood moisture by knocking pieces together and listening for a clear "knock" and not a "thud".
- Testing Wood Moisture Split a piece of wood down the middle and test the center using a wood moisture meter.



#### Why Dry Wood is Key

When burned wet wood 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:

- Garbage;
- Lawn clippings or yard waste;
- Materials containing rubber, including tires;
- Materials containing plastic;
- Waste petroleum products, paints or paint thinners, or asphalt products;
- Materials containing asbestos;
- Construction or demolition debris;
- Railroad ties or pressure-treated wood;
- Manure or animal remains;
- Salt water driftwood or other previously salt water saturated materials;
- Unseasoned wood; or
- 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	<ul> <li>Open the bypass (pg. 20).</li> <li>Open the air control (pg. 22).</li> <li>Cold Air Blockage - burn a piece of newspaper to establish a draft.</li> <li>If the flame is not getting enough air, a small crack in the door is all that is needed.</li> </ul>
Kindling Does Not Start - Fire Smolders	<ul> <li>Open the bypass (pg. 20).</li> <li>Open the air control (pg. 22).</li> <li>Not enough starter paper - use additional newspaper if necessary.</li> <li>If the flame is not getting enough air, a small crack in the door is all that is needed.</li> </ul>
Smoke Enters Room While Re- Loading	<ul> <li>Open the bypass (pg. 20).</li> <li>Open the air control before opening the door (pg. 22).</li> <li>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.</li> <li>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 piping or a draft-inducing cap may help.</li> </ul>
Stove Does Not Burn Hot Enough	<ul> <li>Wood is Wet - see the section "Selecting Wood" on page 27 for details on wood.</li> <li>Make sure the air control is all the way open. Slide the control back and forth to insure the control is not stuck.</li> <li>Insufficient Draft - Chimney height and outside conditions can negatively affect draft. In these cases the fire may burn slowly. Adding more piping or a draft-inducing cap may help.</li> </ul>
Blower Does Not Run	<ul> <li>Stove is Not Up to Temperature - This is normal. The blower will come on when the stove is hot - usually 15 to 30 minutes.</li> <li>Electricity is Cut to the Blower - Check the household breaker or fuse to make sure it is operable.</li> </ul>
Stove Does Not Burn Long Enough	<ul> <li>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 31 for details.</li> <li>Check the ash bed for coals. Often, coals are still glowing under a slight bed of fly ash. By raking these into a pile you can re-start your stove quickly.</li> <li>Check ashpan seal, drawer must close tight and gasket must seal</li> </ul>



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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. Use only specified components. Use of unauthorized components may result in property damage, injury, or even death.



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)

- Remove ash as it builds up in the ash pan. Do not let it build up above the grate in the firebox. This will prevent ash from falling in the tray below when the ash pan is removed.
  - 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 door 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.

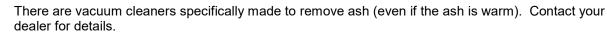




Improperly disposed ashes lead to fires. Hot ashes placed in cardboard boxes, dumped in back yards, or stored in garages, are recipes for disaster.



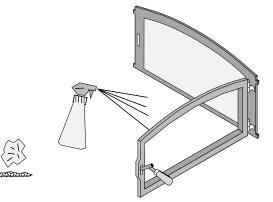
Wood-burning stoves are inherently dirty. During cleaning have a vacuum ready to catch spilled ash (make sure ash is entirely extinguished).



#### Clean the Glass (if necessary)

This appliance has an air wash 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.

- Allow the stove to fully cool.
- Apply glass cleaner or soapy water to the inside of the glass.
- Wipe with newspaper or a paper towel.
- **NOTE**: for stubborn Creosote, dip newspaper or a paper towel in cool ashes and wipe it on the glass. The ash acts as a light abrasive.





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)



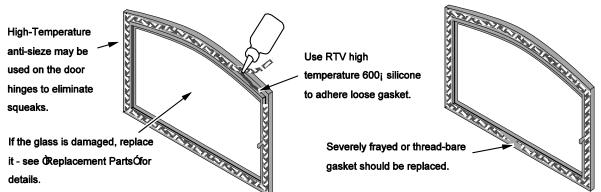
Make sure the appliance has fully cooled prior to conducting service.

#### **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. If the latch requires adjustment, follow the directions below.

#### **Door Adjustment**

The door latch should hold the door tightly against the stove, while allowing the handle to rotate fully. If the latch requires adjusting, follow the directions below.

Loosen the bottom nut with a 7/16" wrench (see arrow to the right). Tap the bottom nut inwards, moving the door catch inwards. Tighten the nut and test operation. You may need to repeat this process, either moving the nut inwards or outwards, until the door catch is in the correct position.



Door Handle

#### **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 slowburning 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" (unseasoned wood) will increase the formation of creosote.

#### Yearly Maintenance



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

#### **Touch-Up Paint**

If touch-up is needed use Stove-Brite® metallic black 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.



#### **Firebrick and Baffle Inspection**

Use the illustration on page 34 as a reference for checking the following items. Make sure the appliance is cool before proceeding.

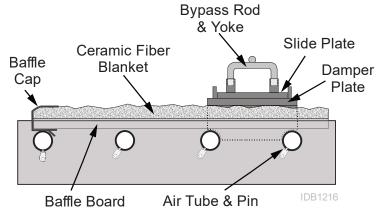
**<u>Baffle Board</u>** – Check the condition of the baffle board. Cracks are not a problem but if any section of the baffle board is missing, it should be replaced.

**<u>Baffle Blanket</u>** – Check for deterioration of the blanket. If the blanket is deteriorated or missing, it should be replaced.

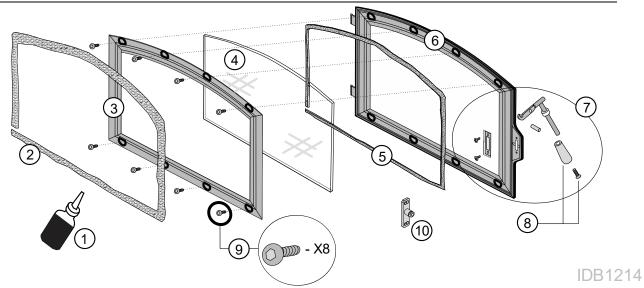
Baffle Cap – Make sure the cap is in place and baffle blanket is under the top edge of the cap.

<u>Secondary Air Tubes</u> - Check the (4) air tubes and pins to make sure they are intact and not severely deteriorated. Slight scaling or rusting of the metal is normal.

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	Gasket Cement	1	250-04477	2	Door Gasket	1	250-02832
3	Glass Retainer	1	250-05112	4	Door Glass w/Gasket	1	250-05113
5	Glass Gasket	1	99900405	6	Door Shell	1	250-05114
7	Door Handle Assembly	1	250-03606	8	Door Handle (Wood) & Screw	1	250-01305
9	Glas Retainer Screws	8	250-03656	10	Door Latch Bracket	1	250-05115

#### **Replacing the Glass**

The glass must not contact the door shell or retainer directly. The glass gasket wraps around the edge of the glass and isolates it from the metal surfaces to prevent cracking. Do not over-tighten the glass retainer screws.

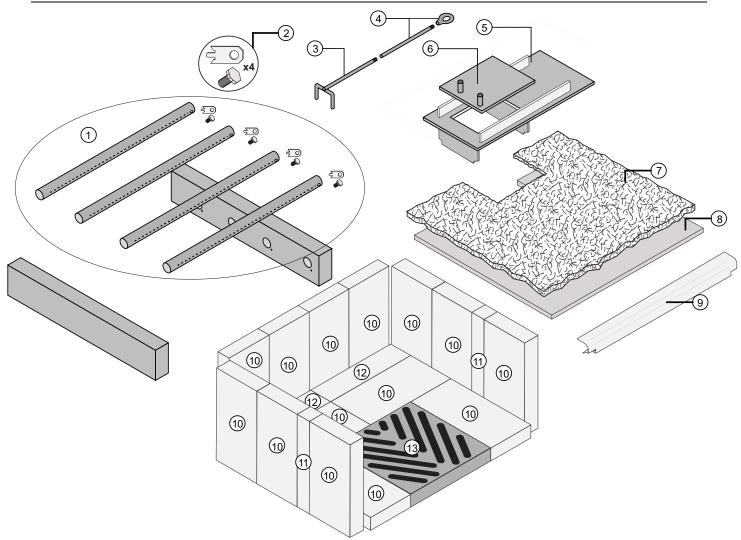
#### **Replacing the Door Gasket**

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. 31 for details on adjusting the door).

## **Firebox Parts**

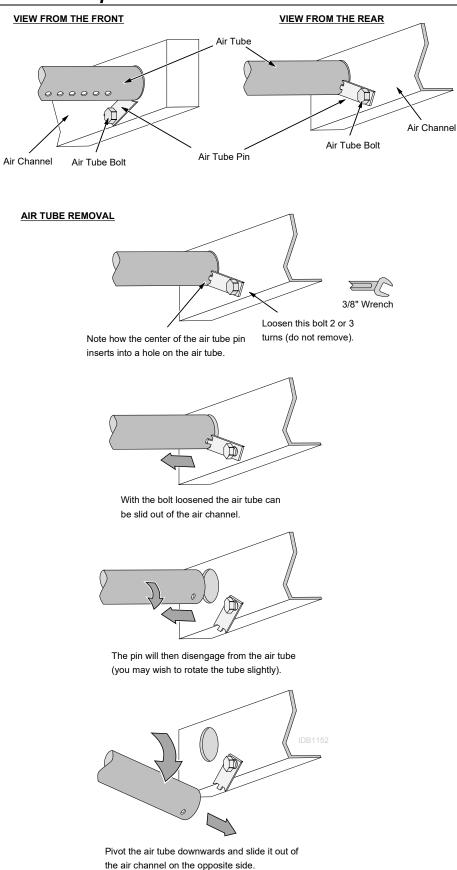


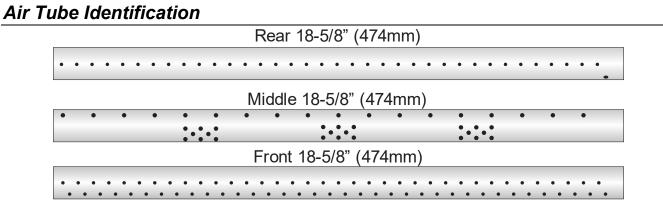
ID#	Description	Qty.	Part #	ID#	Description	Qty.	Par
1	Air Tube Kit w/Clips & Blots	1	98900253	8	Baffle Board	1	250-0
2	Air Tube Clips & Bolts	4	250-02186	9	Baffle Cap	1	250-0
3	Damper Yoke	1	250-05133	10	Brick-Whole 9"x4-1/2"x1-1/4"	14	251-00
4	Damper Rod & Pull Ring	1	98900332	11	Brick-Cut 9"x1-3/8"x1-1/4"	2	251-00
5	Damper Plate	8	250-05131	12	Brick-Cut 9"x2-1/4"x1-1/4"	2	251-00
6	Damper Slide Plate		250-05132	13	Ash Drawer Grate	1	250-05
7	Ceramic Fiber Blanket		250-05128				IDB1

## 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.

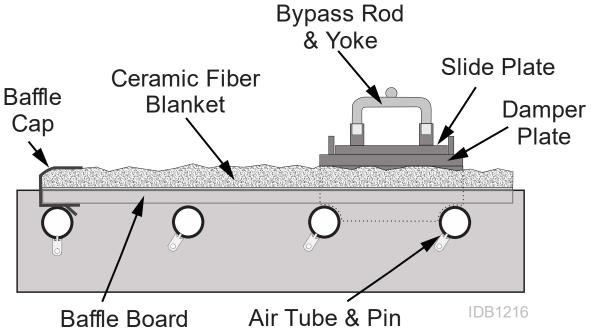
# Air Tube Removal & Replacement





## Baffle Removal & Replacement

**<u>NOTE</u>**: The baffle rests on the top of the air tubes. Make sure to support the baffle while removing the tubes.



# <u>Removal</u>

- 1 Open the bypass by pulling the rod out.
- 2 Use a 3/8" wrench or nut driver to remove the bolt that secures the front air tube pin to the manifold. Keep the bolt and air tube pin for reinstallation.



3 Push up on the baffle slightly and slide the front air tube to the left until the end is clear of the manifold. Lower the right end of the tube and maneuver left end of the tube out of the manifold on the left side of the firebox.



4 Remove the baffle cap.



5 Repeat steps 1-3 for the third air tube.



6 Remove the second air tube in the same manner.

**<u>NOTE</u>**: Once the second tube is removed, the front edge of the baffle is unsupported. Make sure to support it with your hand through the remainder of the removal process.



7 Gently slide the baffle board and blanket forward until it is free of the rear air tube. Lower the front edge of the baffle and fold the edges of the blanket inward.



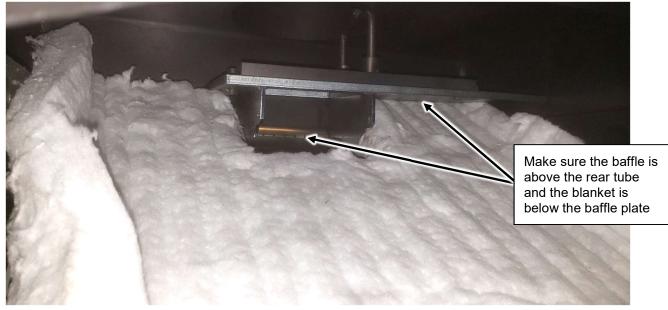
8 Tilt the baffle and blanket to allow them to pass through the door opening and remove them from the firebox.



# **Replacement**

Reverse the steps above to replace the baffle.

**<u>NOTE</u>**: Make sure that the fiber blanket is underneath the damper plate in the rear of the firebox when reassembling.



#### 40

# Limited 7 Year Warranty

Register your TRAVIS INDUSTRIES, INC. Limited 7 Year Warranty online at <u>traviswarranty.com</u>. TRAVIS INDUSTRIES, INC. warrants this 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:

		ice for any costs to you when arrangin		
	Mileage or service charges are not cove	ered by this warranty. This charge can	vary from store to	store.
Years 1 & 2 - CO	VERAGE: PARTS & LABOR			
Firebox Assem	bly:	Ceramic Glass	Re-Installatio	n Allowance
	ports, Air Tubes, Air Channels, Convection Chamber	Chamber Glass (breakage from thermal shock) In cases where heater must be		neater must be removed from home
Door Assembly		Firebrick	for repairs, a par (pre-authorizatio	tial cost of re-installation is covered n required)
	Door, Latch Assembly, Glass Retainers	Breakage from thermal shock		eight Allowance
Plated Finish	etc See "Conditions & Exclusions" # 9 below.	Accessories	•	allowance on pre-authorized repai
Air Control Ass		Legs, Panels, Blower	done at factory i	
Slider Plate, Pressu	5			
Exclusions:	Paint, Gasketing			
ears 3 Through	5 - COVERAGE: PARTS & LAB	BOR		
Firebox Asser	nbly:	Door Assembly:	One-Way I	Freight Allowance
Firebox, Baffle Su	pports, Air Tubes, Air Channels, Convection Chamber		One-way freight allowance on pre-authorize repair done at factory is covered.	
Air Control As	sembly	Assembly, Glass Retainers		
Slider Plate, Pres	sure Plate			
Exclusions:	Paint, Gasketing, Plated Finish, Accessorie	es (Legs, Panels, Blower), Glass, Firebric	k, Re-Installation Allo	owance
(ears 6 & 7 - CO	VERAGE: PARTS ONLY			
Firebox Asser	nbly:	Door Assembly:		Air Control Assembly
Firebox, Baffle Su	pports, Air Tubes, Air Channels, Convection Chamber	Solid Brass or Cast Door, Latch Asser	mbly, Glass Retainers	Slider Plate, Pressure Plate
Exclusions:	Paint, Gasketing, Plated Finish, Accessorie Allowance, Labor	es (Legs, Panels, Blower), Glass, Firebric	k, Re-Installation Allo	owance, One-Way Freight
CONDITIONS & E	EXCLUSIONS			
	ce must be installed by a qualified installer. It n			ordance with the instructions i
	Any alteration, willful abuse, accident, neglect, ontransferable, and is made to the ORIGINAL			uthorized Travis dealer
	some minor expansion, contraction, or movem			
	over-firing (operation where the steel may glow			
	butlined within this document, does not apply to			
instantion of this	product. If in doubt as to the extent of this warr	anty, contact your authorized Travis retai	ier beiore mstallation	

- 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.
- 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.
- 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.
   Any statement or representation of Travis products and their performance contained in Travis advertising, packaging literature, or printed material is not part of
- 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.
- 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.

#### 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-com-bustible materials that can be used. Do not obstruct space beneath heater. 0 Alcove, Manufactured Home and Reduced Clearance Conventional Residential US: 16 in. (407 mm) / CAN: 18 in. (458 mm) XXXX US: 6 in. (153 mm) / CAN: 8 in. (204 mm) FLOOR PROTECTION DIAGRAM TRAVIS INDUSTRIES, INC. 12521 Harbour Reach Drive Mukilteo, WA 98275 11.25 in. / 286 mm 6.5 in. / 166 mm 21.5 in. / 547 mm 15 in. / 381 mm www.travisproducts.com 13 in. / 331 mm 9 in. / 229 mm Installations Manufactured by: PREVENT HOUSE FIRES - Install and use only in accordance with the manufacturer's installation and operating instructions. Contact your local building of fire officials about restrictions and installation inspection in your area. Refer to local building codes and manufacturer's instructions for precautions required for basis and provide and or esting. Do not run a chinnes connector through an will or esting. Do not connect this unit to a chinne over an ending another appliance. Clearances may hardware and all shields, prestinds. For how and an ending or fire officials. This wood hard manus approved by local building or fire officials. This wood hard means approved by local building or fire officials. This wood hard means approved by local building or fire officials. This wood hard means approved by local building or fire officials. This wood hard means approved by local building or fire officials. This wood hard means approved by local building or fire officials. This wood hard means approved by local building or fire officials. This wood hard means approved by local building or fire officials. This wood hard means approved by local building or fire officials. This wood hard means approved by local building or fire officials. This wood hard means approved by local protection in the owner's periodic inspection and repair for proper operation. Consult owner's manual for further information. It is against federal regulations to operate this wood heater in a manner inconsistent with operating instructions in the owner's periodic inspection and repair for proper operation. Consult owner's manual for further information. It is against federal regulations to operate this wood heater in a manner inconsistent with operating instructions in the owner's periodic inspection and repair for proper operation. SERIAL NO: LOOR PROTECTOR TRAVIS INDUSTRIES HOUSE OF FIRE [ပာ FRONT ייי מנסיי נוסע G Ŧ US: 16 in. (407 mm) / CAN: 18 in. (458 mm) US: 6 in. (153 mm) / CAN: 8 in. (204 mm) Certified for USA and Canada ENDEAVOR MODEL: Singlewall Connector Conventional Residential STANDARD RESIDENTIAL FREESTANDING INSTALLATIONS REQUIRE: 6" diameter, minimum 24 MSG black, with listed UL-103 HT factory-built chimney, suitable for MANUFACTURED HOME AND REDUCED CLEARANCE INSTALLATIONS REQUIRE: One of the Listed doublewall connectors listed below. In addition, manufactured 19.75 in. / 502 mm 15 in. / 381 mm 17 in. / 432 mm 15 in. / 381 mm 24 in. / 610 mm 24 in. / 610 mm Installations See owner's manual See owner's manual 48 in. (1220 mm) U.S. ENVIRONMENTAL PROTECTION AGENCY Certified to comply with 2020 particulate emission standards using cord wood. ALCOVE SPECIFICATIONS SUITABLE FOR USE IN CONVENTIONAL RESIDENTIAL INSTALLATIONS, MANUFACTURED HOMES AND ALCOVES. 1.40 g/h, EPA Alt-125, ASTM E3053-17, ASTM 2515-11, CSA B415.1-10 CONTACT LOCAL BUILDING OR FIRE OFFICIALS ABOUT INSTALLATION AND RESTRICTIONS IN YOUR AREA. ž 🗌 Nov Min. Alcove Height: Max. Alcove Depth: Min. Alcove Width: ð 🗌 Minimum Clearances To Combustibles And Hearth Requirements: CONFORMS TO UL STD 1482; CERTIFIED TO ULC STD S627-2000 કે Page 1 ż ш ö ш uĽ сj Ŧ ä DO NOT REMOVE THIS LABEL 3 FREESTANDING INSTALLATION DATE OF MANUFACTURE ALCOVE INSTALLATIONS REQUIRE: One of the Listed doublewall connectors listed below. home installations require outside air - use the optional pedestal or outside air boot. ADJACENT WALL SECURITY model DP connector with SECURITY model ASHT or S2100 chimney OLIVER MACLEOD PROVENT model PV connector with model 3103 chimney 5 🗌 FREESTANDING CLEARANCE DIAGRAM o ADJACENT WALL SELKIRK METALBESTOS model DS connector with model SSII chimney Jan use with solid fuels or masonry chimney. Pedestal or legs are required. DURA-VENT model DVL connector with DURA-PLUS chimney OLYMPIA VENTIS[®] with Ventis doublewall black stove pipe 331 AMERI-TEC model DCC connector with model HS chimney 33 METALFAB model DW connector with TG chimney I.C.C. EXCEL (103-HT) chimney with HP connector 5 2 3 STOVE BACKWALL ę Do not route power cord under or in front of appliance. 4 **GSW-JAKES EVANS SUPERPIPE 2100** Replace glass only with 5mm neoceramic or ceramic glass. SIDEWALL Must be installed with legs provided. Electrical Rating: 115V., 60 Hz, 1.8 Amps Optional Blower: # 99000138 PRT-001 port No. B0508PRT-0 Control No. 4000515 e Made in U.S.A. manual. $\bigcirc$

# **Listing Information**

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Listing Label

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