



Mansfield

Woodstove
(Model 8012)

Owner's Manual Installation & Operating Instructions



We recommend that our products be installed and serviced by professionals who are certified in the U.S. by NFI (National Fireplace Institute).

www.nficertified.org

PLEASE READ THIS ENTIRE OWNER'S MANUAL BEFORE YOU INSTALL AND USE YOUR NEW Mansfield WOOD STOVE. To reduce the risk of fire, follow the installation instructions. Failure to follow these instructions may result in property damage, bodily injury, or even death.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE!

CONTACT LOCAL AUTHORITIES HAVING JURISDICTION (BUILDING DEPARTMENT or FIRE OFFICIALS) ABOUT PERMITS REQUIRED, RESTRICTIONS AND INSTALLATION INSPECTION IN YOUR AREA.

California Prop 65

⚠ WARNING: This product can expose you to chemicals including glass wool fiber and carbon monoxide which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Notes on Stove Operation and Efficiency

Rating:

You have purchased a Hearthstone Mansfield 8012 tested to EPA Method 28, 28A and 5H, 40 CFR Part 60 where applicable. This stove is certified to comply with the U.S. Environmental Protection Agency 2015 particulate emissions standard and is not approved for sale after May 15, 2020. It is certified at 2.84 gr/hr emission rate and under specific test conditions has been shown to deliver heat at rates ranging from 11,938 to 39,671 Btu (output).

This wood heater has a manufacturer-set minimum allowable 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.

Please refer to the Warranty section of this manual for registration instructions. In case of warranty claims, please contact the point of original sale or the nearest authorized Hearthstone dealer. All warranty claims are processed by our dealer network. Authorized Hearthstone dealers can be located at www.hearthstonestoves.com.

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, material containing rubber (including tires), materials containing plastic, waste petroleum products paints or paint thinners, asphalt products, materials containing asbestos, construction or demolition debris, railroad ties, pressure treated wood, manure or animal remains, salt water driftwood or other previously salt water saturated materials, unseasoned wood, paper products, cardboard, plywood or particleboard.* This 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 a release toxic fumes or render the heater ineffective and cause smoke.

Following the maintenance guidelines set forth in this manual will help insure the efficient use of your wood heater and minimize visible emissions. Having your stove inspected by a trained professional on a regular basis will greatly increase the potential for recognizing potential impacts to efficiency.

Proper draft is important to the efficient operation of your heater. Refer to the Normal Operation section of this manual for information regarding adequate draft. Both excessive and sub-minimum draft can affect the efficiency of your wood heater. Excessive draft can lead to over-consumption of fuel, lower overall heating capacity of the stove and potential over firing. Low draft can result in inefficient burns, low heat output, expulsion of smoke into the living area when stove doors are opened and an increased potential for build-up of flammable materials in the flue.

Efficiency:

Efficiency was captured using EPA Method 28-5H and weighted using CSA B415-10 methodology. A weighted average was used to calculate the overall efficiency across all of the 4 burn rate categories using the higher heating value (HHV).

To maximize the efficiency of your wood stove make sure it is sized properly for the space you plan to heat. An oversized stove will often be forced to burn at a lower and dirtier burn rate. Consult with your dealer for sizing and correctly placing the stove in your home. An incorrectly placed stove can greatly reduce efficiency. Maximizing the efficiency of your stove will heat your house quickly, burn cleaner and use less wood.

Refer to the Choosing Firewood section of this manual for appropriate fuel selection. Seasoned firewood is typically at or near 20% moisture content. This can be measured with any number of hand-held moisture meters available through your local hearth shop. Follow instructions included in the meter you purchase to measure fuel wood moisture content. Burn only dry, seasoned wood as using wet wood will greatly reduce your efficiency.

CO Emissions:

The Mansfield 8012 has the following CO emission rates by burn level: Category 1 – 1.72%, Category 2 – 1.58%, Category 3 - 0.80% and Category 4 - 0.30%. In general, the higher burn rate that can be safely maintained without over-firing the stove the cleaner the stove will operate. Wet wood or unapproved fuel described above can greatly affect the emissions of a wood burning stove.

Smoke/Fire/CO Detectors:

It is highly recommended that smoke and CO detectors be installed throughout the heated space when a wood burning heater is installed. Be certain to install these devices not only in the area where the wood appliance is located, but also in bedrooms, hallways leading to other areas of the house and all common areas of the heated space. Check the batteries in these devices and assure operation by performing whatever test operations are recommended by the manufacturer.

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Introduction

Congratulations! You have just invested in a most unique wood burning stove – the Mansfield Wood Burning Stove from Hearthstone Quality Home Heating Products Inc®. The Mansfield, model 8012, is one of our largest and one of the cleanest burning, EPA certified, non-catalytic wood burning stoves. At 3.2 cubic feet firebox capacity and a low 2.8 grams per hour of particulate emissions you can be proud to join the Hearthstone family with our *Premier* Wood Burning Stove. The generous depth allows for straight in loading of wood up to 20 inches long!

Your purchase ensures years of clean, comfortable heat with minimal maintenance. You will receive the benefits of the most advanced technology in wood burning without the cost and maintenance requirements of a catalytic stove. The Mansfield blends modern technology with the unique beauty and heating qualities of *soapstone* (traditionally renowned for its even heat production and long heat retaining ability). We trust that you will appreciate the quality of our handcrafted product.

Please read this manual in its entirety. Its purpose is to familiarize you with your stove's safe installation, proper break-in, operation and maintenance. It contains information that will be useful to you now and in years to come, so keep it handy and refer to it as needed.


Use these instructions as well as national, state, and local building codes to install your stove. Be sure to maintain the designated stovepipe and stove clearances to walls, ceilings, hearth, and other combustible surfaces. This will help reduce the risk of fire. Failure to follow these instructions can result in property damage, bodily injury, and even death.

Locate your stove in a safe, convenient, open area; away from traffic flow, doors, and hallways; and near a chimney and chimney connector. Review the proper clearance measurements from combustible surfaces. You can safely reduce required clearances in most cases with a special connector pipe and special wall coverings as specified by this manual, the NFPA 211 codes, and your local authorities having jurisdiction.

Keep furniture, drapes, curtains, wood, paper, and other combustibles far away from the stove. Never install the stove in a location where gasoline, kerosene, charcoal lighter fluid or other flammable liquids are used or stored.

Locate the stove centrally in your living area to allow the heat to travel naturally to distant rooms. We

recommend that you do not locate your stove in an uninsulated basement. The amount of radiant energy required to heat concrete basement walls is so great that most of the usable heat is absorbed by them and lost.

 **SAFETY NOTICE: A HOUSE FIRE MAY RESULT IF THIS STOVE IS NOT INSTALLED PROPERLY. FOR YOUR SAFETY, CAREFULLY FOLLOW THE INSTALLATION DIRECTIONS. CONTACT LOCAL BUILDING OR FIRE OFFICIALS ABOUT RESTRICTIONS AND INSTALLATION INSPECTION IN YOUR AREA.**

The performance of your stove depends on many variables. Since all installations are unique, the general information and operating procedures presented here can only serve as useful guidelines rather than hard and fast rules. Should you have any questions, do not hesitate to contact your dealer for additional information.

This stove is manufactured and warranted by:

Hearthstone Quality Home Heating Products, Inc®
317 Stafford Ave.
Morrisville, VT. 05661

Safety Information

Read and understand this Owner's Manual thoroughly before installing and using this stove.

Codes

When you install your Mansfield wood stove, it is imperative that you adhere to all local codes, which can be obtained from either of the following two National sources:

American National Standards Institute, Inc. (ANSI)
1430 Broadway
New York, NY 10018

National Fire Protection Association, Inc. (NFPA)
Battery March Park
Quincy, MA 02269

If you are installing your Mansfield in a mobile home, follow the guidelines described in the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280 (United States).

Make sure to install your stove:

- 🔥 According to the manufacturer's recommendations.
- 🔥 In accordance with all applicable codes.
- 🔥 With the proper sized chimney.

When using your stove:

- 🔥 Warn children and others unfamiliar with woodstoves of the danger of touching hot, radiating surfaces of your stove. For your additional safety, obtain hearth and stove guards through your local dealer.
- 🔥 Follow recommended break-in procedure as outlined in this manual.
- 🔥 Burn natural wood only. Higher efficiencies and lower emissions result when burning air-dried, seasoned wood, as compared to green or freshly cut wood.
- 🔥 Use caution when loading firewood into a hot stove.
- 🔥 Keep the ash pan tray fully inserted and the ash door closed tightly.
- 🔥 Inspect the stove pipe, chimney connector and chimney, as recommended.
- 🔥 Ensure the removable ash lip is in place while using the stove. If the ash lip is not installed properly, the hearth may exceed safe temperatures.

🔥 Follow these safety precautions:

- 🔥 **Never** modify this stove in any way, especially the primary air control system.
- 🔥 **Never** burn kiln dried wood, painted or treated wood, solvents, trash, plywood, colored or glossy paper, artificial logs, cardboard, coal, garbage or driftwood. *Especially, do not burn coal in this stove.*
- 🔥 **Never** Use gasoline type fuel, kerosene, charcoal lighter fluid, or other liquid fuels or solid fire starters to start or invigorate the fire. These fuels can possibly generate carbon monoxide, which can deplete the supply of oxygen. Keep all such materials away from the stove.
- 🔥 **Never** use the stove if the ash pan door is open, damaged, not in place, or not sealing.
- 🔥 **Never** use a wood grate or other device to elevate the fire.
- 🔥 **Do Not** allow logs to rest against or otherwise come in contact with the glass when the door is closed.
- 🔥 **Do Not** slam the door or use it to force wood in to the stove.
- 🔥 **Never** over-fire your stove. (See page 21)
- 🔥 **Never** put articles of clothing or candles on a hot stove.
- 🔥 **Do Not** connect the stove to a flue that is serving another appliance. (See page 14)

Other safety guidelines

- 🔥 Keep all combustible items such as furniture, drapes, clothing, and other items, at least 36" (0.92 m) from the stove (See page 10)
- 🔥 Install a smoke detector, preferably in an area away from your wood stove.
- 🔥 Keep a fire extinguisher handy. We recommend the type rated "A B C."
- 🔥 Dispose of ashes properly. (See page 22)
- 🔥 Keep children and pets away from the stove; they could be burned by touching a hot stove.
- 🔥 Clean your chimney system as needed. (See page 18)

Periodic Checklist

Perform each of these tasks at the specified intervals.

At the End of Every Week:

- 👉 Empty ashes from the firebox and ash pan, sooner if the firebox or the ash pan begin to fill up.

At the Beginning of Every Other Month:

- 👉 A visual inspection of the chimney connector and chimney for creosote is recommended depending upon the use of your stove. (Please see page 18-Creosote Formation and Need For Removal)
- 👉 Check door seals using the "dollar bill test." - When the fire is out and the stove is cool, shut the door on a dollar bill. If the bill pulls out without any resistance, then your stove's door isn't sealed properly. To tighten the seal, change the door gasket. (Refer to page 18 – Gaskets)

At the End of Every Season:

- 👉 Dismantle the chimney connector and clean it thoroughly. Replace any pieces that show signs of rust or deterioration.
- 👉 Inspect and, if necessary, clean your chimney.
- 👉 Thoroughly clean out the inside of the stove.
- 👉 Inspect all door gasket material and replace if worn, frayed, cracked or extremely hard.

Thermo-Ceramic Baffle System

To enhance the combustion efficiency and reduce the emissions of the fire in your stove Hearthstone developed an advanced THERMO-CERAMIC baffle system. This system uses a lightweight, durable ceramic material above the burner tubes to maintain the high temperatures in the secondary combustion area and maintain the low emission – high efficiency combustion you desire. This new technology will not corrode, rust dissolve or lose its strength, however it is vulnerable to puncture or cracking due to rough handling.

- 👉 **PLEASE EXERCISE CARE WHEN LOADING WOOD OR CLEANING YOUR STOVE, NOT TO DAMAGE THE THERMO-CERAMIC BAFFLE**

Located directly above the burner tubes in the firebox, this gray sheet of material will break if wood or cleaning brushes impact it. Be careful when loading and cleaning your stove to not break this material. If this piece has been fractured or a hole is

punctured, it will cause the stove to function improperly. You must replace the board through a qualified Hearthstone dealer.

Emergency Procedures

If you have a stovepipe or chimney fire, follow these instructions:

1. Call the fire department – immediately!
 2. If the fire is too threatening, leave the area and wait for the fire department. If not, perform the next three steps.
 3. Close the primary air control. (see page 14)
 4. Close the stovepipe damper (if present).
 5. Keep the stove front, and ash doors closed!
- 👉 **WARNING: DO NOT ATTEMPT TO PUT OUT A STOVEPIPE OR CHIMNEY FIRE BY THROWING WATER ONTO THE STOVE, STOVEPIPE, OR CHIMNEY. THE EXTREMELY HIGH TEMPERATURE ASSOCIATED WITH SUCH FIRES CAN CAUSE INSTANTANEOUS STEAM AND SERIOUS BODILY HARM.**

Once the chimney fire expires, leave the primary air control closed and let the fire in the stove die out completely. Do not fire the stove again until the stove, stovepipe, and chimney are all thoroughly inspected for any sign of damage. You must correct any damage before using your stove again.

Specifications

Maximum Output: 80,000 BTUs per hour of cordwood (based on independent laboratory test results).

Size Of Heated Area: Up to 2,500 square feet.

Firebox Capacity: 3.2 cubic feet (.091 cubic meters) or 64 pounds of wood (The amount and weight of wood contained per cubic foot of firebox volume can vary from 15 to 36 lbs. per cubic foot depending on type of wood, moisture content, packing density and other factors. As a constant for comparison and test purposes, we are assuming 20 lbs. of seasoned hardwood per cubic foot of firebox volume).

Maximum Log Length: 21" (533 mm) – logs

Soapstone Finish:¹ Polished gray soapstone

Castings Finish: Painted black matte and porcelain enamel colors

Height: 28" (71.1 cm) (not including flue collar)

Width: 27" (68.6 cm)

Depth: 26 ½" (67.3 cm)

Front Door Size: 18" wide x 12" high
(45.7 x 30.5cm)

Stovepipe Size: 6" (152 mm) diameter

Metal Chimney: 6" (152 mm) inside diameter

Masonry Chimney: 8" x 8" (203 x 203 mm)
(square flue)

Flue Exit: Top exit only

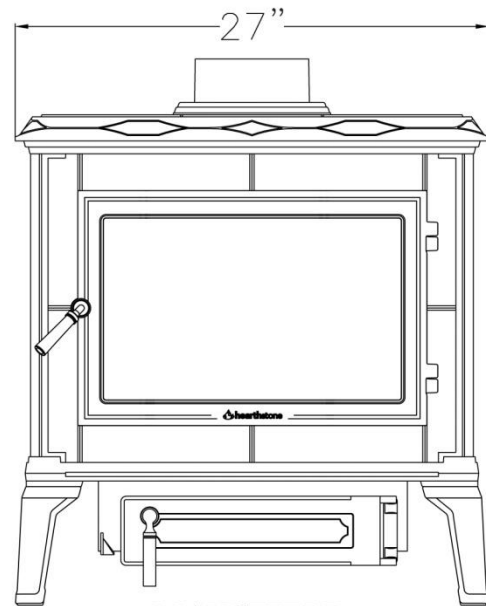
Actual Weight: 550 pounds

Shipping Weight: 585 pounds

Optional Equipment: Outside Air Adapter,
Blower, Rear Heat Shield

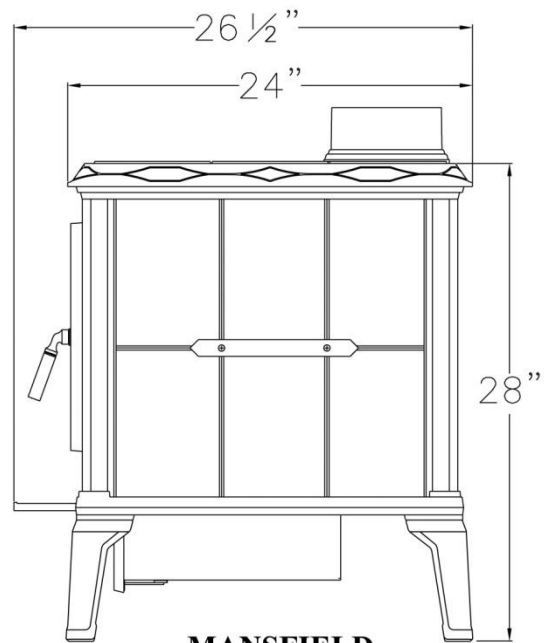
¹Polished gray soapstone varies from gray to gray-blue, according to natural composition.

Dimensions:



**MANSFIELD
FRONT VIEW**

Figure 1



**MANSFIELD
SIDE VIEW**

Figure 2

Installation

Unpacking

Hearthstone packages your Mansfield stove with the greatest care, so that it ships safely. Under certain circumstances, however, damage can still occur during transit and handling. When you receive your stove, unpack it carefully, inspecting your stove and all parts for damage. Also, ensure that all parts are included. If any parts are damaged or missing, please contact your dealer immediately.

Installing Your Stove

First you must decide where your stove will reside. After choosing an appropriate spot, inspect this location to ensure that the stove will have enough clearance to combustible materials that would surround the stove. These combustibles can include walls, floor, ceiling, fireplace, and chimney. You must carefully consider the clearances to all of these combustibles before actually connecting your stove. When considering these clearances, also decide the kind of floor the stove will rest on. Depending on your floor, you can install your stove as it is, or use a floor protector.

Use this section to plan how to locate your stove in your particular location. Consider both the clearances of the stovepipe and the stove itself to the surrounding combustibles.

Read this chapter to obtain a sound understanding of how to properly install your stove.

If you use a close clearance connector pipe, it must be tested to UL standards and listed. Check the listing for your pipe for actual clearances. The diagrams in this manual represent typical installations, but are specific to the Simpson Dura-Vent DVL brand. Clearances cannot be reduced without the use of close clearance connector pipe and/or by protecting the surfaces per NFPA 211 standards.

Clearances to NFPA 211 Protected Surfaces

You can reduce the clearances to combustible surfaces by using any National Fire Protection Agency (NFPA) approved wall protection system. Please refer to NFPA 211 for specifications and complete details. You can obtain this information directly from NFPA.

National Fire Protection Agency

Batterymarch Park

Quincy, MA 02269

1-800-344-3555

1-617-770-3000

Hearth Requirements & Floor Protection

If the floor is wood or other combustible flooring, the stove must be placed on non-combustible floor protection that extends 16 inches to the front and 8 inches to either side of the front door opening (US).

The floor protector for the stove must have minimum dimensions of 34" x 40" (864 x 1016 mm) and must be placed as illustrated here:

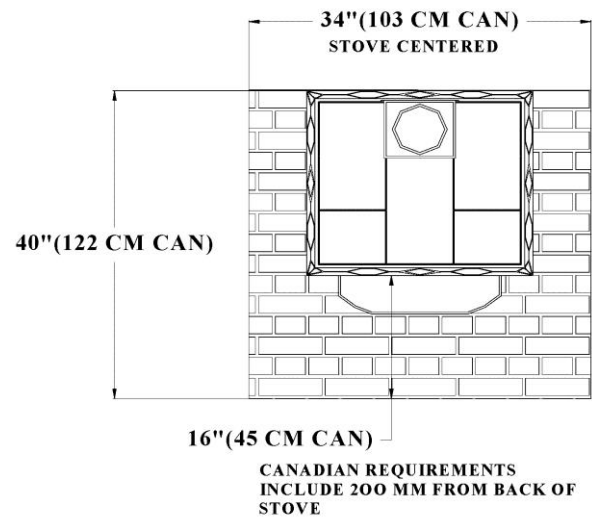


Figure 3

*An example of a non-combustible floor protector would be a hearth constructed with a continuous layer of a listed backer board (such as Wonder-Board or Durock) used for ember protection with a tile, brick, slate, or another non-combustible facing.

The chimney connector must also have floor protection under it, and extending 2 inches (50 mm) beyond each side.

Outside Air Supply

NOTE: Stoves with serial numbers above 14503 have an integral outside air supply duct connection. The directions and illustrations below only apply to stoves below that serial number. All stoves will require a length of supply duct and an appropriate intake Vent Cap. Stoves with integral duct

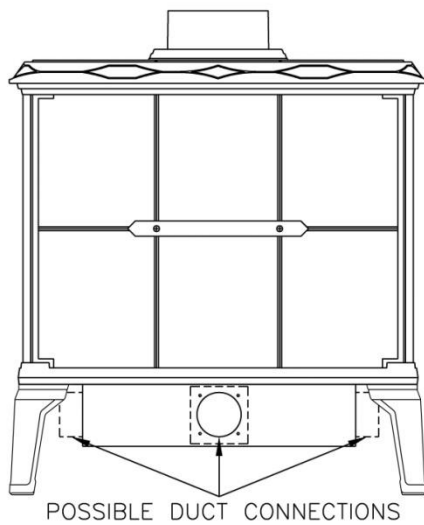
connections will have vent duct attached as shown in Fig 4a below (optional Blower also shown).

For Stoves with serial # 14502 and below:

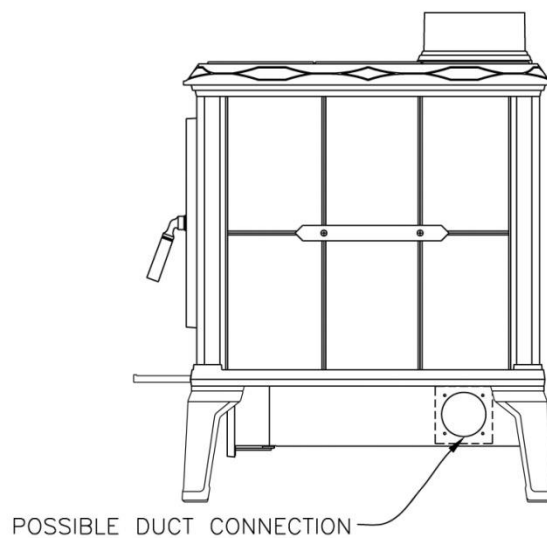
An outside air source may be connected directly to this stove using the optional outside air kit (PN 90-53002). The advantage of providing outside air directly to the stove is that the air used by the stove for combustion is taken from outside of the residence rather than from within the room where the stove is located. With outside air supplied directly to the stove, drafts within the room and air infiltration within the building are reduced. Use of the outside air kit may also improve stove performance in a particularly air-tight house.

The outside air kit for this stove allows for the direct connection of the stove's air intake to a minimum 3" (76 mm) diameter duct (supplied by others) which leads to the outside of the house. When considering placement of the duct from the outside of the house to the hearth, keep in mind the need to avoid wiring and structural members in the wall.

See the following illustrations for all connection options. Choose the one most convenient. Locate the termination of the duct on the outside wall of the structure in such a manner so as to preclude the possibility of obstruction by snow, leaves or other material. Screen the opening against animals and insects (any screen, duct, clamps, and hood supplied by others).



**REAR
VIEW**



SIDE VIEW

Figure 4

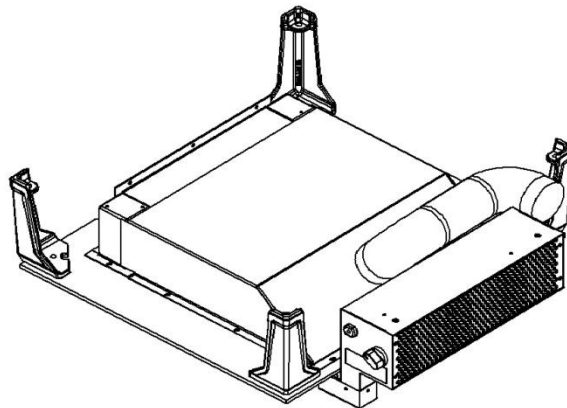


Figure 4a

Clearances To Combustibles

Use this section to plan the layout for your stove. Consider clearance of connector, and chimney pipe to combustibles and stove to combustibles. More specifics on installation follow.

You must follow minimum clearances for the Mansfield stove to combustibles such as walls and ceilings. You may reduce the general clearances if installing the stove near *Protected Surfaces* (see the following diagrams and the table on page 11).

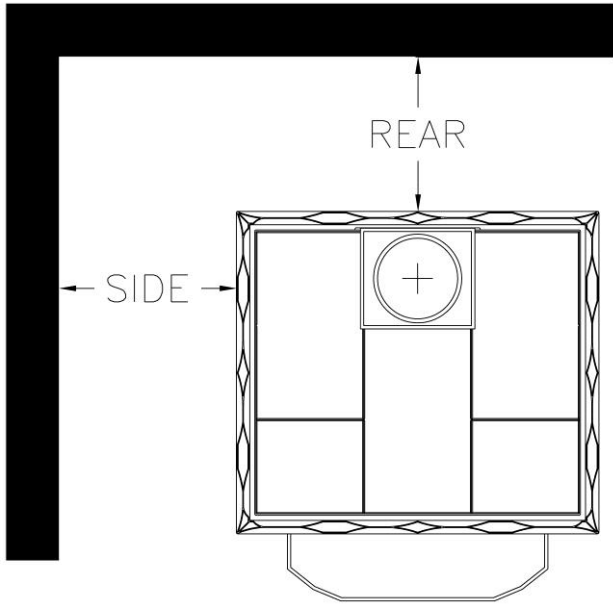


Figure 5

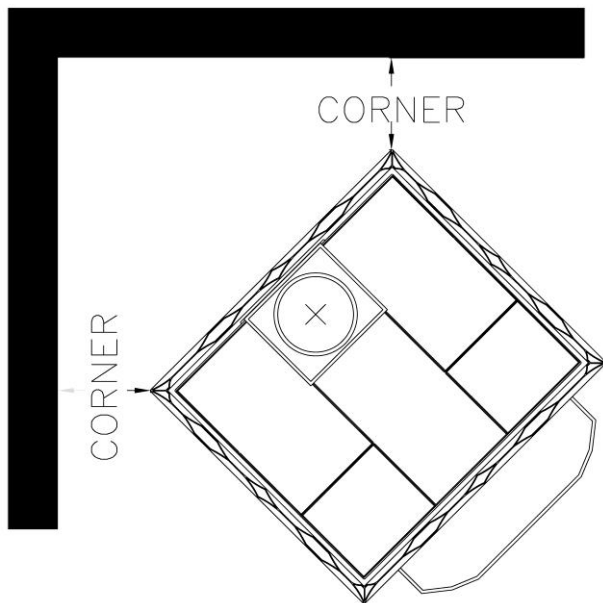


Figure 6

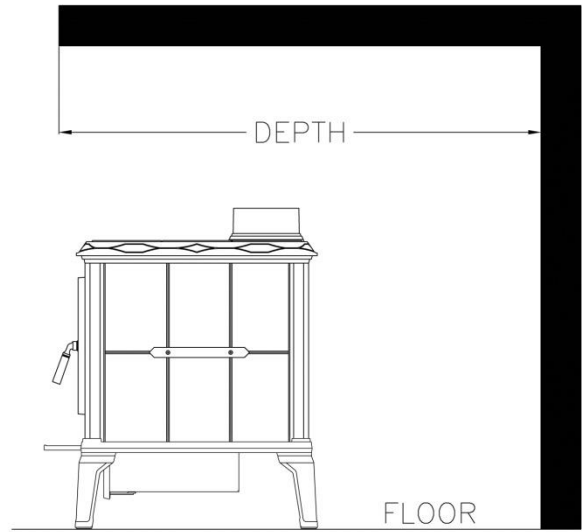


Figure 7

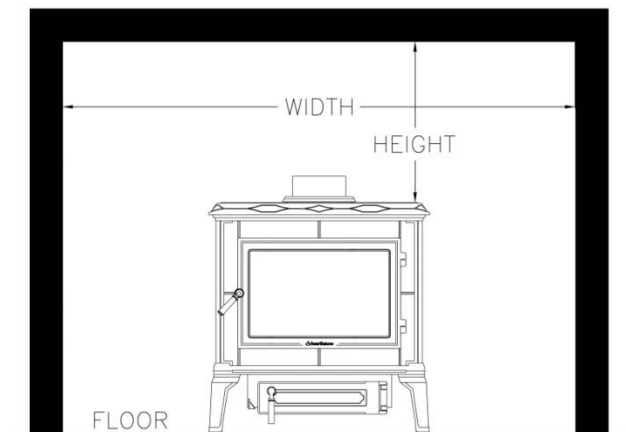


Figure 8

If you use a rear heat shield to obtain reduced clearances, you must use the optional rear heat shield manufactured by Hearthstone available through your local dealer. Close clearance connector pipe must be tested to UL standards and listed. Check listings of your pipe for actual clearances. Shown are measurements typical only and specific to Simpson Dura Vent DVL brand. Clearances cannot be reduced without the use of the rear heat shield and/or with close clearance connector pipe and/or by protecting the surfaces per NFPA 211 standards

FREESTANDING MINIMUM CLEARANCES TO COMBUSTIBLES (from closest point of stove)

Installation type	Unprotected Surfaces			Protected Surfaces (NFPA 211)		
	Parallel		Corner	Parallel		Corner
	Side	Rear		Side	Rear	
No Heat Shield (Optional accessory)	18 in. (45.7 cm)	19 in. (48.26 cm)	14 in. (35.56 cm)	10 in. (25.40 cm)	12 in. (30.40 cm)	8 in. (20.32 cm)
Rear Heat Shield, w/ Single wall connector	18 in. (45.7 cm)	16 in. * (40.64 cm)	14 in. (35.56 cm)	10 in. (25.40 cm)	10 in. (25.40 cm)	7 in. (17.78 cm)
Rear Heat Shield, w/ Double wall connector	18 in. (45.7 cm)	8 in. * (20.32 cm)	14 in. (35.56 cm)	10 in. (25.40 cm)	8 in. (20.32 cm)	7 in. (17.78 cm)

*These Clearances are from the back of the unit. For clearances to rear heat shield, subtract 2". Ask for part # 90-57200 – Mansfield Rear Heat Shield Accessory.

ALLOWABLE ALCOVE DIMENSIONS

Unprotected Surfaces			Protected Surfaces (NFPA 211)		
Min. Width	Max. Depth	Min. Height (stove to ceiling above.)	Min. Width	Max. Depth	Min. Height (stove to ceiling above.)
63 in. (160 cm)	48 in. (122 cm)	36 in. (91 cm)	48 in. (122 cm)	48 in. (122 cm)	18 in. (46 cm)

MINIMUM CLEARANCES FROM STOVEPIPE TO COMBUSTIBLES (chimney connector)

Connector type	Unprotected Surfaces	Protected Surfaces (NFPA 211)
Single wall connector pipe	18-in. (46 cm)	12-in. (31 cm)
Double wall connector pipe	6-in. (15 cm)**	3-in. (8 cm) **

(**SEE Pipe Manuf. Specs.)

DO NOT CONNECT THIS UNIT TO A CHIMNEY FLUE SERVING ANOTHER APPLIANCE

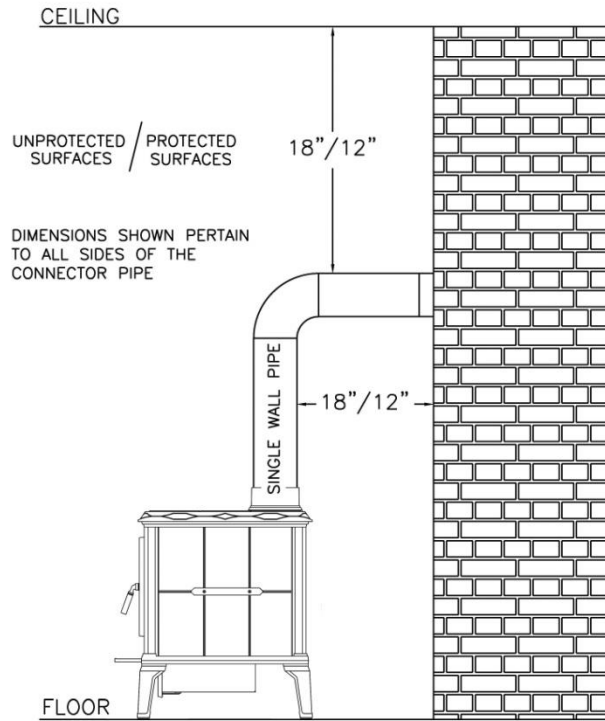
- 🔥 Single wall connector is 24 MSG or 25 MSG blued steel stove pipe.
- 🔥 Double wall connector (close clearance pipe) which must be used with a listed factory-built "Type HT" chimney and may also be used with a masonry chimney to reduce clearances, is available from several manufacturers, your dealer can help you choose. Some air insulated connector pipe models available are Simpson Dura Vent DVL and Metalbestos DS. Security, GSW and Ameritec also have acceptable close clearance connector pipe.
- 🔥 When used in a mobile home, a spark arrester is required.
- 🔥 Chimney connector shall not pass through floor or ceiling, nor any attic or roof space, closet or similar concealed space. Where passage through a wall or partition of combustible

construction is desired, the installation shall conform with NFPA 211 or CAN/CSA - B365.

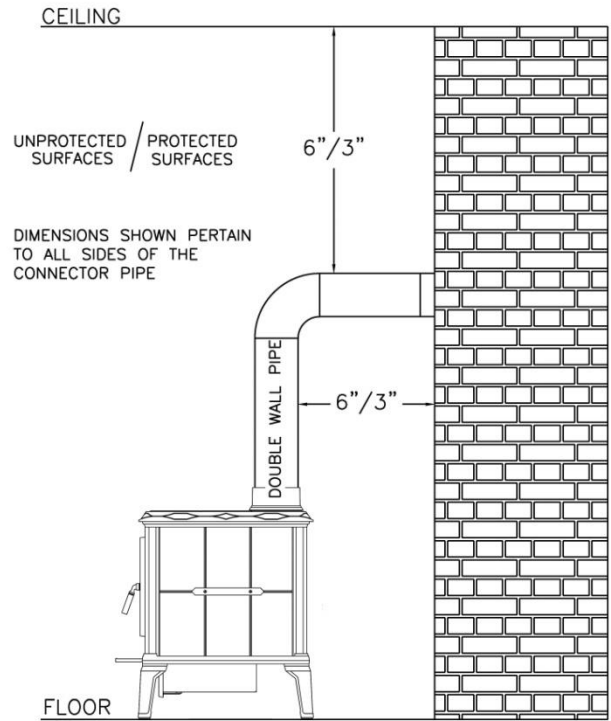
It is very important to follow minimum clearances for chimney connectors to combustibles such as walls, ceilings, and when installing the stove near non-combustible surfaces. Typical chimney connector clearances are outlined below. The single wall clearances are generic, the Double wall clearances are for Simpson Dura Vent DVL.

- 🔥 **ALWAYS CHECK THE CLEARANCE SPECIFICATIONS FROM THE MANUFACTURER OF YOUR CONNECTOR PIPE**
- 🔥 **DO NOT CONNECT THE VENT TO ANY AIR DISTRIBUTION DUCT OR AIR HANDLING SYSTEM.**

CHIMNEY CONNECTOR CLEARANCE TO COMBUSTIBLES



SINGLE WALL CONNECTOR



DOUBLE WALL CONNECTOR

Figure 9

Venting Components & Configuration

Components of a Venting System

The complete venting system consists of several components: chimney connector, wall thimble, wall pass-through, chimney, and liner. It is *absolutely necessary* that you install all of these components within the clearances to combustibles discussed earlier to install your stove safely.

To protect against the possibility of a house fire, you *must properly install and constantly maintain the venting system*. Upon inspection, immediately replace rusted, cracked, or broken components.

- 👉 The *chimney connector* is the stovepipe from the woodstove to the chimney. The chimney connector stovepipe must be 6" (152 mm) diameter, 24 MSG or 25 MSG blued steel connector pipe. *Do not use aluminum or galvanized steel pipe* - they cannot withstand the extreme temperatures of a wood fire.
- 👉 A *thimble* is a manufactured (or site-constructed) device installed in combustible walls through which the chimney connector passes to the chimney. It keeps the walls from igniting. You must use a wall thimble when installing a chimney connector through a combustible wall to the chimney.
- 👉 A *wall pass-through* (or chimney support package) also keeps the walls from igniting. You must use one when connecting through a wall or ceiling to a prefabricated chimney.
- 👉 Only install this stove to a *lined masonry chimney* or an approved high temperature *prefabricated residential* type building heating appliance chimney. *Do not* connect this stove to a chimney serving another appliance; you will compromise the safe operation of both the wood stove and the connected appliance.
- 👉 **WARNING: DO NOT CONNECT THIS APPLIANCE TO ANY AIR DISTRIBUTION DUCT OR SYSTEM.**
- 👉 A *liner* is the UL 1777 or ULC S635 (for factory built fireplace or masonry) chimney.

You must connect your stove to a chimney comparable to those recommended in this manual. *Do not use stovepipe as a chimney*. Use stovepipe for freestanding installations only to connect the stove to a proper chimney.

Installing a Venting System

Stovepipe sections must be attached to the stove and to each other with the crimped end toward the stove. If creosote builds up, this allows the creosote to run into the stove and not the outside of the stovepipe and onto the stove.

Secure all joints, including attaching the stovepipe to the stove's flue collar, with three sheet metal screws. Install #10 x 1/2" (3 mm x 13 mm) sheet metal screws into the holes pre-drilled in the flue collar. Leaving off the screws can cause joints to separate from the vibration that results from a creosote chimney fire.

You can simplify connecting stovepipe by using additional accessories such as telescoping pipes, slip-connectors or clean-out tees. These accessories ease the inspection of your chimney, as well as allow you to easily dismantle the stovepipe (without moving the stove) when you periodically inspect the stovepipe connection and chimney.

Install the stove as close as practical to the chimney, while maintaining all proper clearances. Install stovepipe that is as short and as straight as possible. Horizontal runs of stovepipe should always rise away from the stove a minimum of 1/4" per foot (21mm/m).

Long runs of stovepipe to increase heat dispersal are not recommended. Using longer lengths of stovepipe or more connecting elbows than necessary increase the chances of draft resistance and the accumulation of creosote buildup.

In general, you do not need to install a stovepipe damper with the Mansfield. Some installations, however, could benefit from a stovepipe damper, such as a tall chimney which can create a higher than normal draft. In such cases, a damper can help regulate the draft. The Mansfield requires a draft between 0.06" wc and 0.1" wc. For drafts above 0.1" wc, install a stovepipe damper.

Remember, the NFPA has recommended minimum clearances for chimney connectors to combustibles such as walls and ceilings. Once the stove is installed at safe distances from these combustible surfaces, it is important to maintain these connector clearances for the remainder of the installation.

Connecting Your Wood Stove

You can install your Mansfield to a prefabricated metal chimney or a masonry chimney.

Connecting to a Prefabricated Metal Chimney

When connecting the Mansfield to a prefabricated metal chimney, you must follow, precisely, the manufacturer's installation instructions. Use only Type HT (2100 deg. F), prefabricated metal chimneys listed per UL 103 or ULC S629 standards.

WARNING: DO NOT CONNECT THE STOVE TO A CHIMNEY FLUE SERVING ANOTHER APPLIANCE.

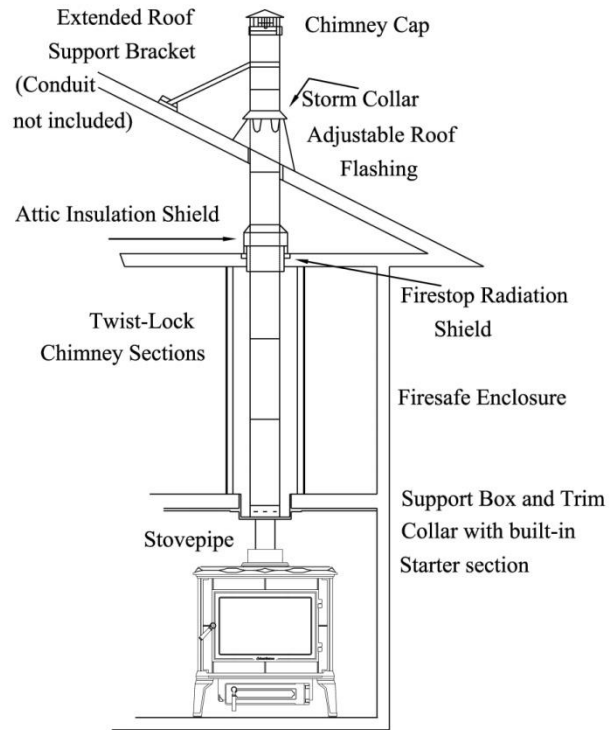
Ensure the size of the chimney's flue is appropriate for the Mansfield. The Mansfield requires a 6" (152 mm) inside diameter flue for new installations. A 6" diameter flue provides adequate draft and performance. You can use an 8" (203 mm) diameter existing flue with a reducer. An oversized flue contributes to creosote accumulation. (In this case, bigger is NOT better.)

When purchasing a prefabricated chimney to install with your stove, be sure to also purchase from the same manufacturer the wall pass-through (or ceiling support package), "T" section package, fire-stops (when needed), insulation shield, roof flashing, chimney cap, and any other needed accessories. Follow the manufacturer's instructions when installing the chimney and accessories. In addition, be sure to maintain all manufacturer's recommendations for the proper clearances to the chimney.

There are basically two ways to install a prefabricated metal chimney:

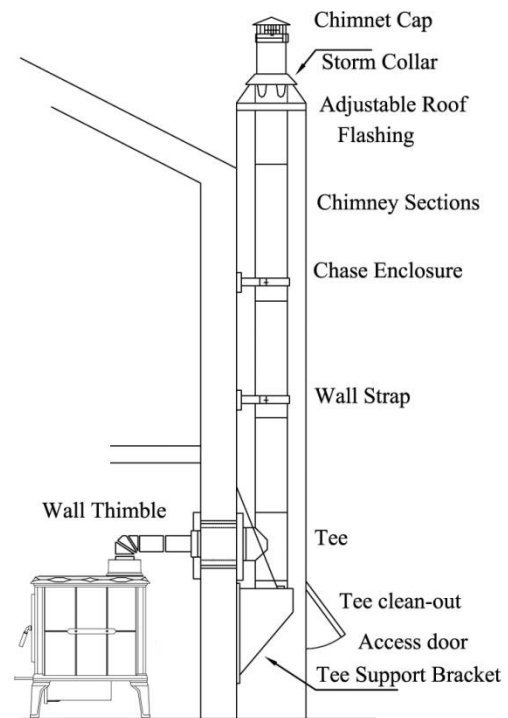
1. An *interior* installation where the chimney passes inside the residence through the ceiling and roof.
2. An *exterior* installation where the chimney passes through the wall behind the stove then up the outside of the residence.

Whenever possible, choose an interior chimney. An interior chimney heats up more quickly and retains its heat; thus promotes a better draft and discourages the formation of creosote. An exterior chimney does not benefit from the warmth of being surrounded by the building, so it typically operates at lower flue temperatures than an interior chimney. An exterior chimney's draft is not as strong and may experience increased creosote accumulation.



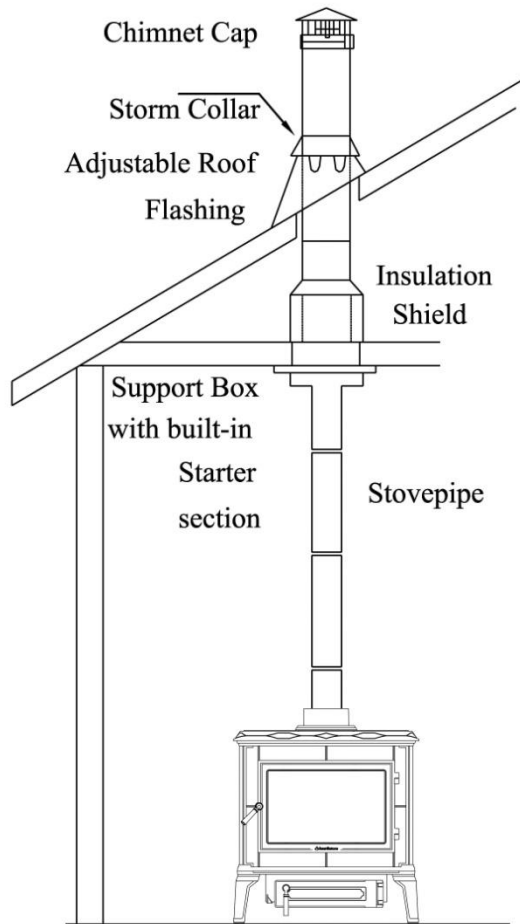
Two story house installation with attic.

Figure 10



Chimney through outer wall with enclosed chase. Chimney is supported by Tee Support Bracket.

Figure 11



One story house installation with attic.
Chimney is supported by Ceiling.

Figure 12

Connection to a Masonry Chimney

Consider two primary elements when connecting your stove to a masonry chimney: the chimney itself and the thimble where the stovepipe connects to the chimney. Use only Code approved masonry chimneys with a flue liner. See figure 13 for instructions on installing a thimble into a masonry chimney or masonry fireplace.

Before connecting to a masonry chimney, hire a professional to examine the chimney for cracks, loose mortar, and other signs of deterioration and blockage. If the chimney needs repair, complete them before installing and using your stove. Do not install your stove until the chimney is safe for use.

Make sure the chimney's cleanout is complete and working properly. To avoid a loss of draft, the

cleanout must close off completely. If not, the chimney will cool, your stove will perform poorly, and creosote will build up in the chimney.

Make sure the size of the chimney's flue is appropriate for this stove and that it is not too large. Use a masonry chimney with an 8" x 8" (203 mm x 203 mm) tile size for best results. An oversized flue will contribute to the accumulation of creosote.

Minimum Requirements:

At least 3' (0.91 m) higher than highest part of roof opening through which it passes and at least 2' (0.61 m) higher than any part of the roof within 10' (3 m).

Use the following checklist to ensure that your masonry chimney meets these minimum requirements:

Chimney wall construction:

- 🔥 Brick or modular block at least 4" (102 mm) thick.
- 🔥 A rubble or stone wall at least 12" (305mm) thick.

Flue liner:

- 🔥 Minimum thickness of 5/8" (16 mm).
- 🔥 Installed with refractory mortar.
- 🔥 At least 1" (25 mm) air space.
- 🔥 An equivalent flue liner must be a listed chimney liner system meeting type HT requirements or other approved material.

Interior chimney requirements:

- 🔥 At least 2" (51 mm) clearance to combustible structure
- 🔥 Fire stops must be installed at the spaces where the chimney passes through floors and/or ceiling.
- 🔥 Insulation must be 2" (51 mm) from the chimney.

Exterior chimney requirements:

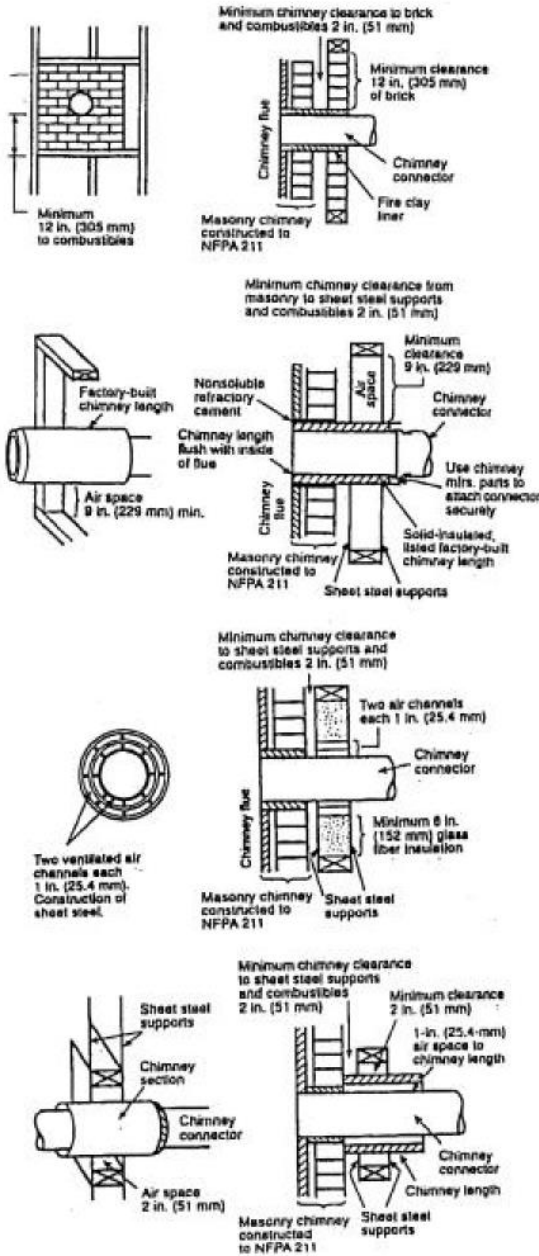
- 🔥 At least 1" (25 mm) clearance to combustible structure.

Chimney height requirements for both prefabricated metal and masonry chimneys: (See Figure 13)

- 🔥 At least 3 feet (0.9 m) higher than the highest part of the roof opening through which it passes.
- 🔥 At least 2 feet (0.6 m) higher than any part of the roof within 10 feet (3 m) measured horizontally from the top of the chimney.

This stove requires a minimum chimney height of 13 feet (4 m). The maximum allowable chimney height is 30 feet (9m).

Chimney Connector Systems and Clearances from Combustible Walls for Residential Heating Appliances



- A Minimum 3.5-in thick brick masonry all framed into combustible wall with a minimum of 12-in brick separation from clay liner to combustibles. The fireclay liner shall run from outer surface of brick wall to, but not beyond, the inner surface of chimney flue liner and shall be firmly cemented in place.
- B Solid-insulated, listed factory-built chimney length of the same inside diameter as the chimney connector and having 1-in. or more of insulation with a minimum 9-in. air space between the outer wall of the chimney length and combustibles.
- C Sheet steel chimney connector, minimum 24 gauge in thickness, with a ventilated thimble, minimum 24 gauge in thickness, having two 1-in. air channels, separated from combustibles by a minimum of 6-in. of glass fiber insulation. Opening shall be covered, and thimble supported with a sheet steel support, minimum 24 gauge in thickness.
- D Solid insulated, listed factory-built chimney length with an inside diameter 2-in. larger than the chimney connector and having 1-in. or more of insulation, serving as a pass-through for a single wall sheet steel chimney connector of minimum 24 gauge thickness, with a minimum 2-in. air space between the outer wall of chimney section and combustibles. Minimum length of chimney section shall be 12-in. chimney section spaced 1-in. away from connector using sheet steel support plates on both ends of chimney section. Opening shall be covered, and chimney section supported on both sides with sheet steel supports securely fastened to wall surfaces of minimum 24 gauge thickness. Fasteners used to secure chimney section shall not penetrate chimney flue liner.

Figure 13

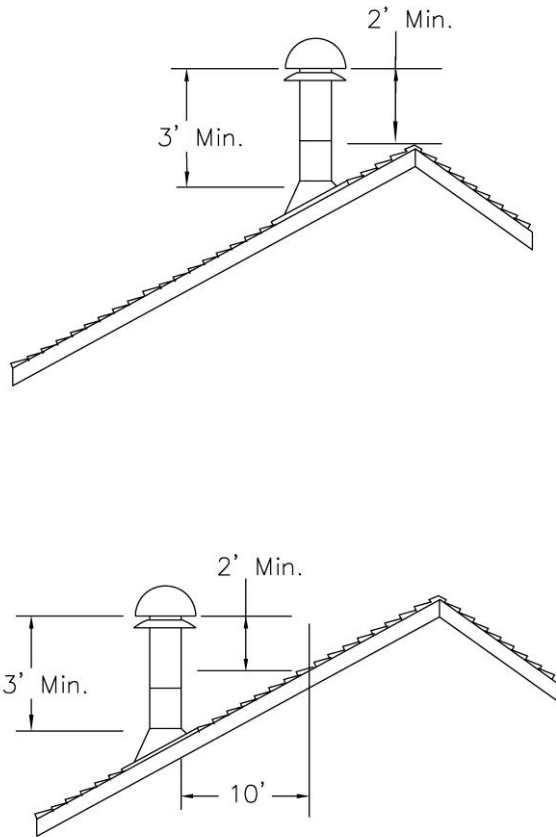


Figure 14

Installing In a Mobile Home

Follow these special requirements for installing your stove in a mobile home.

- 🔥 Install the stove in accordance with 24 CFR, Part 3280 (HUD)
- 🔥 Permanently attach the stove to your mobile home's floor. Use 3/8" holes in each leg base to bolt down the stove.
- 🔥 Install one of the following Dura-Vent Mobile Home Chimney & Connector Kits:
 - 6DP-MH 6" Diameter S/N 9096N
 - 7DP-MH 7" Diameter S/N 9196N
 - 8DP-MH 8" Diameter S/N 9296N

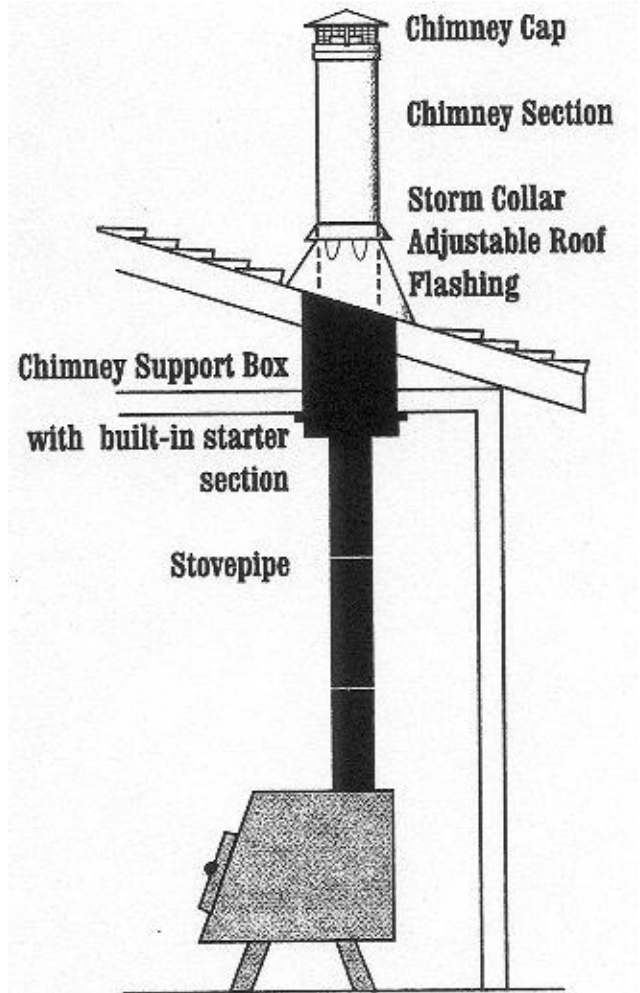
Each kit includes:

Stainless spark arrester cap, storm collar, adjustable vented flashing – 0/12 – 6/12, two 24" Dura/Plus* chimney pipes, and a 24" support box with built-in starter section and trim.

* (UL or ULC approved equipment is acceptable)

- 🔥 **CHIMNEY MUST BE REMOVED WHEN TRANSPORTING MOBILE HOME.**

- 🔥 **WARNING: DO NOT INSTALL IN A SLEEPING ROOM**
- 🔥 **CAUTION: MAINTAIN THE STRUCTURAL INTEGRITY OF THE MOBILE HOME WALLS, FLOOR, CEILING, AND ROOF WHILE YOUR STOVE IS INSTALLED AND IN USE.**



Typical Mobile Home installation. Chimney supported by ceiling.

Figure 15

Operation

Once your Mansfield is set in place, connected, and assembled, you are ready to light a fire. Hearthstone tests each wood stove before we ship, so you should be able to easily light your first fire.

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

Please read this entire chapter before lighting your first fire. It explains the controls and features of your wood stove, how to choose firewood, and how to break-in your stove and use it on a daily basis.

Controls & Features

Before lighting any fires, become familiar with the location and operation of your stove's controls and features and learn how to use them. For your own safety, do not modify these features in any way.

FRONT DOOR HANDLE: A fixed handle is provided to operate the front loading door. The 10 o'clock position is open; the 7 o'clock position is closed. Pull on the door handle to make sure it is properly latched. Be sure to keep the front door closed during normal operation. Failure to do so

could allow carbon monoxide to leak into the room. Extended exposure to carbon monoxide could result in bodily injury or even death.

PRIMARY AIR CONTROL: This feature is located on the lower left side of the stove, under the removable ash lip. The primary air control allows you to regulate the amount of air entering the firebox. Generally, the more air allowed into the firebox, the faster and hotter the rate of burn; conversely, less air creates a slower burn. Push the lever to the left to open the primary air control; push the lever to the right to close the primary air control.

ASH PAN: The ash pan access door is located under the ash lip. The ash pan collects burned ash from a fire and allows you to conveniently remove the ash from your wood stove. To open the door, rotate the handle counter clock-wise. Clean the firebox of ashes as required by sliding the ash grate open, sifting the ashes across the grate into the ash pan, then returning the grate to its closed position. The ash pan is easy to remove and has a handle for convenient disposal of ashes. Once you remove the ashes, close the ash pan access door and rotate the handle clock-wise to latch.

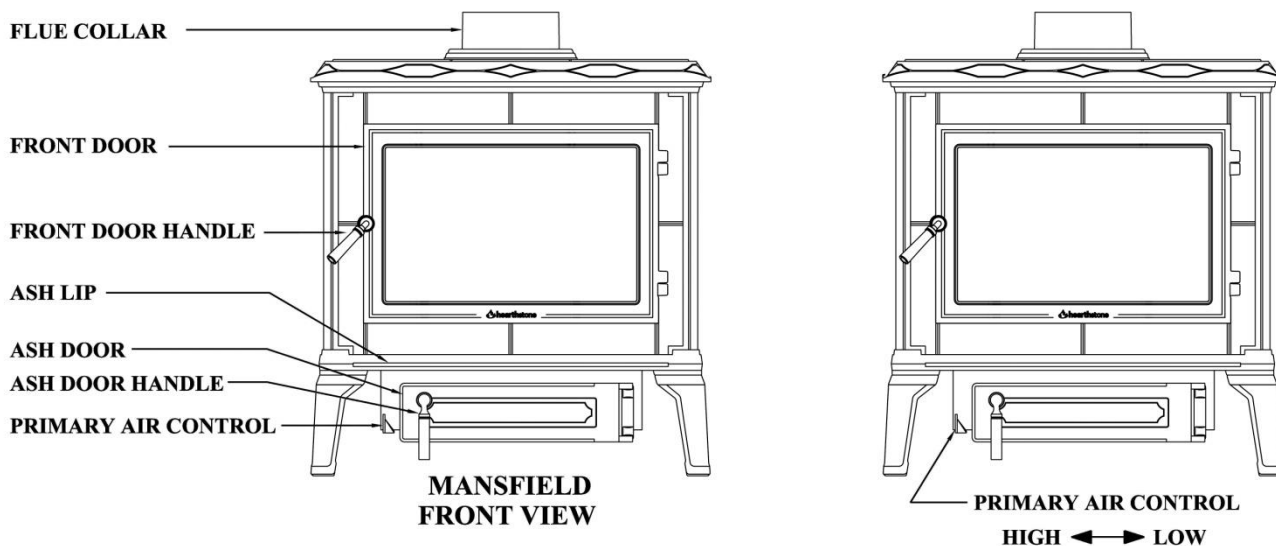


Figure 16

Choosing Firewood

Burn only natural firewood (known as cordwood) in the Mansfield 8012 Woodstove. This stove is not designed to burn other fuels.

CAUTION: DO NOT USE CHEMICALS OR FLAMMABLE FLUIDS TO START THE FIRE. DO NOT USE CHARCOAL, PELLETS, COAL, ARTIFICIAL LOGS OR ANY OTHER MATERIALS AS FUEL; THEY ARE NOT SAFE. DO NOT BURN GARBAGE OR FLAMMABLE FLUIDS.

The quality of your firewood directly affects heat output, duration of burn and performance of your stove. Softwoods generally burn hotter and faster, while hardwoods burn longer and produce better coals. Density and moisture content are two critical factors to consider when purchasing wood for your stove.

The following is a list of some wood species and their relative BTU (British Thermal Unit) content. The higher the BTU content, the longer the burn. Firewood with higher BTUs is generally ideal for a wood stove.

Wood Heat Value: Sorted By Btu Content		
Common Name	Lb/ cord	MBTU/ cord
High		
Osage Orange (Hedge)	4,728	32.9
Hickory, Shagbark	4,327	27.7
Hop Hornbeam (Ironwood)	4,267	27.3
Beech, Blue (Ironwood)	3,890	26.8
Birch, Black	3,890	26.8
Locust, Black	3,890	26.8
Hickory, Bitternut	3,832	26.7
Locust, Honey	3,832	26.7
Apple	4,100	26.5
Mulberry	3,712	25.8
Oak, White	4,012	25.7
Medium High		
Beech, European	3,757	24
Maple, Sugar	3,757	24
Oak, Red	3,757	24
Ash, White	3,689	23.6
Birch, Yellow	3,689	23.6

Medium		
Juniper, Rocky Mtn	3,150	21.8
Elm, Red	3,112	21.6
Coffeetree, Kentucky	3,112	21.6
Hackberry	3,247	20.8
Tamarack	3,247	20.8
Birch, Gray	3,179	20.3
Birch, White (Paper)	3,179	20.3
Walnut, Black	3,192	20.2
Cherry	3,120	20
Ash, Green	2,880	19.9
Cherry, Black	2,880	19.9
Elm, American	3,052	19.5
Elm, White	3,052	19.5
Sycamore	2,808	19.5
Ash, Black	2,992	19.1
Maple, Red	2,924	18.7
Fir, Douglas	2,900	18.1
Medium Low		
Boxelder	2,797	17.9
Alder, Red	2,710	17.2
Pine, Jack	2,669	17.1
Pine, Norway (Red Pine)	2,669	17.1
Pine, Pitch	2,669	17.1
Catalpa	2,360	16.4
Hemlock	2,482	15.9
Spruce, Black	2,482	15.9
Pine, Ponderosa	2,380	15.2
Low		
Aspen, American	2,290	14.7
Butternut (Walnut, White)	2,100	14.5
Spruce	2,100	14.5
Willow	2,100	14.5
Fir, Balsam	2,236	14.3
Pine, White (Eastern, Western)	2,236	14.3
Fir, Concolor (White)	2,104	14.1
Basswood (Linden)	2,108	13.8
Buckeye, Ohio	1,984	13.8
Cottonwood	2,108	13.5
Cedar, White	1,913	12.2

Moisture content also plays a key role in the performance of your stove. Wood freshly cut from a living tree (green wood) contains a great deal of

moisture. As you might expect, green wood burns poorly. You must season green wood before using it in your wood stove. To season green wood properly, split, stack, and allow it to air dry for a period of one year. Green wood may provide less than 2000 Btu per pound, whereas dry wood can provide up to 7000 Btu per pound.

Stack the firewood on skids or blocks to keep it off the ground, cover only the top of the stack. Plastic or tarps that cover the sides of the woodpile trap moisture and prevent the wood from drying. As for stacking, an old Vermonter said, "The spaces between the logs should be large enough for a mouse to get through, but not for the cat that's chasing it."

👉 **CAUTION: DO NOT STORE FIREWOOD WITHIN THE STOVE'S SPECIFIED CLEARANCES TO COMBUSTIBLE MATERIALS.**

Building A Fire

Once you understand the controls of your wood stove and have the appropriate firewood, you are ready to start a fire.

👉 **WARNING: NEVER USE GASOLINE, GASOLINE-TYPE LANTERN FUEL, KEROSENE, CHARCOAL LIGHTER FLUID, OR SIMILAR LIQUIDS TO START OR 'FRESHEN UP' A FIRE IN THIS HEATER. KEEP ALL SUCH LIQUIDS WELL AWAY FROM THE HEATER WHILE IT IS IN USE.**

Breaking In Your Wood Stove

It is imperative that your stove is "broken in" slowly. Cast iron must be "seasoned"; over-firing a new stove may cause castings to crack or may damage other stove parts. Driving moisture out of the soapstone slowly minimizes the "shock" to the stone at its first exposure to high firebox temperatures. Also, curing the asbestos-free furnace cement slowly ensures adequate sealing and bonding.

The bottom layer of soapstone in your firebox is intended to prevent thermal stress and should remain in place in the firebox at all times.

When you light your first fires, the woodstove will emit some smoke and fumes. This is normal "off-gassing" of the paint used when manufacturing the woodstove. If you find it necessary, open a few windows to vent your room. The smoke and fumes will usually subside after 10 to 20 minutes of operation. The odor and smoke will end once the stove is "cured".

The first few fires of the season may produce other odors from impurities that exist in the area

immediately surrounding the stove. Some potential impurities are cleaning solvents, paint solvents, cigarette smoke, and soot from scented candles, pet hair, dust, adhesives, a new carpet, and new textiles. These odors will dissipate over time. You can alleviate these odors by opening a few windows or otherwise creating additional ventilation around your stove. If any odor persists, contact your dealer or an authorized service technician.

Building a Break-In Fire

- 1) Open the door and place five or six double sheets of tightly twisted newspaper in the center of the firebox. Arrange kindling in a crisscross pattern over the newspaper. Kindling should be approximately ten pieces, 1/2" (13 mm) in diameter and 10" to 18" (254 mm to 457 mm) long.
- 2) Fully open the primary air control by pushing the lever to the left.
- 3) Light the paper under the kindling. Leave the front door slightly ajar momentarily until the kindling has started to burn and draft begins to pull.
- 4) Close the door and allow the fire to burn. Keep the door and ash drawer closed while the stove is in use. Make sure the ash door is in the closed position.
- 5) **KEEP A WATCHFUL EYE ON YOUR STOVE** to maintain a steady, low-heat fire. Your first fire should make the stove warm but **not hot to the touch**. At most, a few small chunks of wood should be added to the fire to reach safe break-in temperatures.
- 6) Once the stove is warm but **not hot to the touch** close the primary air control and allow the fire to die out completely.
- 7) Let the stove return to room temperature.

Your first fire and first fire each season thereafter should be built and maintained as outlined above. Your patience will be rewarded by a properly seasoned stove.

👉 **NOTE:** Because of the cool flue gas temperatures present during the break-in procedure, creosote may build up quickly. Your window may also get dirty. A good hot fire will clean it.

If you adhere to the operating procedures in this manual, the steel, cast iron, stone and refractory components of your stove will give you many years of trouble-free use. With use, the color of the

soapstone will change and small fractures may appear on the surface. These changes do not affect the function of the stove. If a stone breaks completely, it must be replaced

Avoid the following conditions that can cause the glass, refractory panels, steel or cast iron pieces to break:

- 🔥 Do not throw wood into the stove.
- 🔥 Do not use the door as a lever to force wood into the stove.
- 🔥 Do not load wood encrusted with ice into a burning stove - the thermal shock can cause damage.
- 🔥 Do not use a manufactured log grate. Burn the fire directly on the soapstone lining the cast iron bottom of the firebox.

Normal Operation

Prior to loading the stove, ensure the ash grate, refractory soapstone, and the ash pan are in place. Ensure the ash door is closed to prevent over-firing.

Building a Fire for Everyday Use

- 1) Open the front door and place five or six double sheets of tightly twisted newspaper in the center of the firebox. Arrange kindling in a crisscross configuration over the newspaper. Use approximately 10 pieces of kindling, 1/2" (13 mm) in diameter and 10" to 16" (254 mm to 406 mm) long.
- 2) Fully open the primary air control by pushing the lever fully to the left.
- 3) Light the paper under the kindling. Leave the front door slightly ajar momentarily until the kindling begins to burn and draft begins to pull.
- 4) Close the door and allow the fire to burn.
- 5) Once the kindling is burning, open the front door and add logs, small at first, to build the fire up. Ensure you keep the logs away from the glass in front in order for the air-wash system to work properly. Keep the front door and ash door closed while the stove is in use.
- 6) Once the fire is burning well, use the primary air control to regulate the desired rate of burn. Pushing the lever to the left opens the PRIMARY AIR CONTROL for a high rate of burn or pushing it to the right for a low rate of burn. The air control does not close completely.

Note: When opening the front door to reload or rearrange logs, it is advisable to open the door just a

crack, pause for a moment then open the door completely. This procedure allows the firebox to clear of smoke before the door is open fully. In addition, reloading on a bed of hot, red coals reduces smoking time and brings fresh fuel up to a high temperature rapidly.

Burn Rate

HIGH BURN: 500-600 Degrees F. Fully load the firebox with wood on a bed of hot coals or on an actively flaming fire and fully open the primary air control. A high burn rate once or twice a day for 35 to 45 minutes to heat the stovepipe and chimney fully, will help minimize creosote accumulation.

MEDIUM HIGH BURN: 450-500 Degrees F. With the primary air control in the fully open position, push the control lever about ¼ of its travel to the right.

MEDIUM LOW BURN: 400-450 Degrees F. With the primary air control in the fully open position, push the lever about half to two thirds of the way to the right. A medium-low burn rate is the typical setting and is preferable if the stove is unattended.

LOW BURN: Less than 400 Degrees F. Push the primary air control inward all the way to the right. This closes the air shutter to its minimum opening. A low burn rate over extended periods is not advisable as it can promote the accumulation of creosote. Inspect the venting system frequently if using low burn rates consistently.

Over-Fire Caution

Over-firing means the stove is operating at temperatures above normal temperatures reached during High Burns outlined in the *BURN RATE* section. Carefully avoid over-firing, as it will damage the stove. Symptoms of chronic over-firing can include warped components, short burn times, a roaring sound in the stove or stovepipe, and discoloration of the stovepipe. A properly installed stove using fuel and following operating procedures as outlined in this manual should not over-fire.

Excessive draft, inappropriate fuel, and operator error can cause over-firing. Correct an over-fire situation as follows:

- 🔥 **EXCESSIVE DRAFT:** Contact your local dealer to have a draft reading taken. Any draft in excess of 0.1 WC requires a damper in the stovepipe. Some installations may require more than one damper.

🔥 **INAPPROPRIATE FUEL:** Do not burn coal; kiln dried lumber, wax logs or anything other than natural cordwood.

🔥 **OPERATOR ERROR:** Ensure all the gaskets are in good condition. Replace worn out or compressed gaskets. Do not burn the stove with the front door in the open or partially open position.

If you suspect that your stove is over-firing, discontinue use and contact your dealer immediately. **Damage caused by over-firing is not covered by your warranty.** Results of over-firing can include warped or burned out internal parts, cracked vermiculite panels, discolored or warped external parts, and damaged finish.

🔥 **ANY SIGNS OF OVER-FIRING WILL VOID YOUR WARRANTY!**

Removal & Disposal of Ashes

Remove ashes only when the stove is cold. Use a protective fireplace glove if the ash pan is warm. Exercise extreme caution when handling, storing or disposing of ashes.

The ash pan is located behind the ash door at the bottom of the stove under the ash lip. The ash pan collects burned ash from a fire and allows you to remove the ash conveniently from your woodstove. Clear the firebox of ashes, and do not let them build up too high. You can leave a thin layer of ashes in

the firebox if preferred. It is important to prevent ashes from building up around the front door opening or they will spill out, or they can pack into the gasket channel and prevent proper sealing. To remove ashes, sift the ashes across the grate into the ash pan. The ash pan is easy to remove and has a handle for convenient disposal of ashes.

Dump ashes from the ash pan directly into a **metal** container with a tight fitting lid. Do not place any other items or trash into the metal container. Do not pour water into the container. Replace the container's lid and allow the ashes to cool. Never place the ash disposal container on a combustible surface or vinyl flooring, as the container could be **hot!**

Pending disposal, place the closed ash container on a noncombustible floor or on the ground, well away from all combustible materials, liquid fuels, or vehicles. Retain ashes in the closed container until all coals thoroughly cool.

If the ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in the closed container until all cinders have thoroughly cooled.

NEVER place ashes in wooden or plastic containers, in trashcans with other trash, or in paper or plastic bags, no matter how long the fire has been out. Coals within a bed of ashes can remain hot for several days once removed from the firebox.

Maintenance

Monitoring Stove Temperatures

Monitor the stove temperatures with a stove thermometer (available from your dealer) placed on the top center stone of the stove. The thermometer could read as high as 600° F (427° C) on high burn and 300-400° F (149-240° C) on low burn.

🔥 **Do not over-fire the stove.** (refer to previous section).

Creosote Formation & Need for Removal

When wood is burned slowly, it produces tar and other organic vapors, which combine with expelled moisture to form creosote. These 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, which may damage the chimney or even destroy the house.

To prevent the buildup of creosote:

1. Burn the stove with the primary air control fully open for 30 minutes daily to burn out creosote deposits from within the stove and the venting system.
2. After reloading with wood, burn the stove with the primary air control fully open for 20 to 30 minutes. This manner of operation ensures early engagement of the secondary combustion system which, when engaged, minimizes creosote buildup in the chimney.

The stovepipe connector and chimney should be inspected at least monthly during the heating season to determine if a creosote build-up has occurred. If a creosote residue greater than 1/4" (6 mm) has accumulated, it should be removed to reduce the risk of a chimney fire.

If your glass is remaining dirty, your operating temperatures are low, therefore there is a higher risk of creosote buildup.

The venting system must be inspected at the stove connection *and* at the chimney top. Cooler surfaces tend to build creosote deposits quicker, so it is important to check the chimney at the top (where it is coolest) as well as from the bottom near the stove.

Accumulated creosote should be removed with a cleaning brush specifically designed for the type of chimney in use. A certified chimney sweep should

be used to perform this service. Contact your dealer for the name of a certified chimney sweep in your area (your dealer may be a certified sweep!).

It is also recommended that before each heating season the entire system be professionally inspected, cleaned and repaired, if necessary.

Gaskets

Gasket material should normally be replaced every two to three seasons, depending on stove use. If the door seal is loose, a new gasket will assure a tight seal and improved stove performance. Contact your dealer for a gasket kit, which includes instructions and gaskets for your stove.

The procedure for replacing gaskets on the glass is reviewed on page 24.

To replace door gaskets, first remove the old gaskets with a utility or putty knife. Clean all gasket channels with a wire brush. Apply gasket cement to the channels and push the new gasket into place without stretching the gasket material. The door should be shut immediately to fully press the gasket into place and assure a positive seal.

We require the use of the following gaskets:

GLASS: 60" (152 mm) Length, 3/4" (19 mm) Wide, Adhesive Backed Black Tape

DOOR: 60" (152 mm) Length, 3/8" (9 mm) Diameter, Low Density Black Tube

ASH DOOR: 32" (81 mm) Length, 1/4" (6 mm) Diameter, Low Density, Black Tube

Glass

Do not operate the stove with a broken door glass. Do not abuse the front door by striking or slamming.

When necessary, the glass can be cleaned with low alkaline content commercial stove glass cleaners, which are available from your local dealer. Never attempt to clean the glass while the fire is burning or the glass is hot. Most deposits can be cleaned by following the instructions provided with the cleaner. To clean heavier deposits, open the door and lift it straight up and off the stove with the hinge pins remaining in the door (take care to save hinge pins and washers for reuse). Lay the door face down on a work bench or table. Apply the cleaner to the glass and allow it to set for a few minutes. By laying the door flat, it will allow the cleaner to penetrate

rather than running off the surface of the glass. Wipe the cleaner off with a soft cloth.

Important: scratching or etching the glass will weaken the integrity of the glass. Do not use a razor blade, steel wool, or any other abrasive material to clean the glass. Use low alkaline content cleaners only.

The front door glass is a 5mm thick ceramic, shock-resistant glass, made specifically for use in woodstoves. Do not use any replacement glass other than the ceramic glass manufactured and supplied for use in this woodstove. Replacement glass is available through your local dealer.

The door glass should be replaced immediately if broken. Contact your local dealer for replacement glass, which is accompanied with instructions and everything needed for the repair. If you replace the glass yourself, wear work gloves and safety glasses.

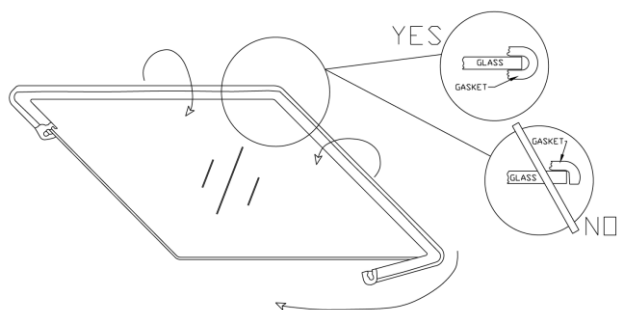


Figure 17

The procedure for glass and glass gasket replacement is as follows:

- 1) Remove the door by lifting it straight up off the hinges with the hinge pins remaining in the door.
- 2) Place the door face down on a flat, smooth surface.
- 3) Apply penetrating oil to the screws in the glass retainer clips. Remove the screws to separate the glass from the door.
- 4) Carefully lift the damaged glass from the door and discard.

- 5) Peel the paper backing from the tape gasket. Apply the new gasket to the new glass as illustrated.
- 6) Place the gasketed glass onto the door.
- 7) Screw the glass retainer clips back on the door.
- 8) Install the door.

Stone

Occasional cleaning is all that should be necessary to maintain the natural beauty of your stove's polished soapstone finish. Clean the soapstone with water, any non-abrasive cleaner and a soft cloth. Wipe dust from the stone with a clean cloth. Do not use chemical agents to wash the stone; do not use waxes or any polishing agents on the stone.

Care must be taken not to scratch or chip the stone. Do not set items that may scratch or chip the stone (or enamel finish) on top of your stove.

Often, with use and over time, subtle earth tones of brown, red and yellow appear on the soapstone. This is a natural reaction in the soapstone. With normal use, hair line or surface cracks may appear in the stone. Such cracks do not affect the integrity or operation of the stove and do not require replacement.

Cast Iron

Exterior cast iron parts are either painted with black, high-temperature stove paint or porcelainized with an enamel finish in various colors.

Use black, high-temperature stove paint (satin black by *Stovebright®*) to touch up and maintain the original appearance of painted cast iron. Use a damp sponge to wipe clean. Dry the cast iron thoroughly to prevent rusting.

Enamel castings can be cleaned with a standard glass cleaner. With time and use, a very fine, subtle network of crazed lines may appear seemingly beneath the surface of the enamel. Crazing is a natural predictable process and does not represent a flaw.

Troubleshooting

Virtually all woodstove operators experience basic common problems at one time or another. Most are correctable and generally require only a minor adjustment of the stove, installation, or operating technique. In cases where weather conditions dramatically affect stove performance, the problems are typically temporary and solve themselves once the weather changes.

If you question whether or not your stove is producing adequate heat, the best way to troubleshoot the problem is to monitor the temperature of the stack. A 400 degree F (200 degree C) stovepipe confirms the stove is supplying sufficient heat. Keep in mind that your house itself will regulate room/house temperatures. How well the walls, floors and ceilings are insulated, the number and size of glass windows, the tightness of outside doors, and the construction or style of your house (vaulted ceilings or other open spaces which collect large percentages of heat, ceiling fans, etc.) all are determining factors of room temperature.

Your stove's performance is also dependant on its installation. One common cause of poor performance is an oversized chimney flue. Oversized chimney flues result in decreased pressure, which prevents the smoke from rising out the chimney. Oversized flues are also more difficult to heat effectively, especially when burning a high efficiency stove. Cool flue temperatures inhibit the establishment of a strong draft (and encourage the accumulation of creosote). The lack of a strong draft will cause the fire to die down and may even force the smoke to pour into the room.

If your chimney is the proper size and a strong draft is not easily established, there is the possibility of the chimney being too cold. Again, hot chimneys promote a stronger draft.

Other draft guidelines are as follows:

AN "AIRTIGHT" HOUSE: If your home is super-insulated or especially well sealed, the (infiltration) air supply to the interior of the house may be inadequate. This phenomenon of air starvation within the building can be exacerbated if exhaust fans, such as clothes dryers, bathroom fans or cook stove exhaust fans, are in operation within the home. Outfitting your stove with the optional outside air supply adaptor connected to an air duct which leads to the outside of the building should correct this problem.

TALL TREES OR BUILDINGS: These obstructions, when located in proximity to the top of the chimney can cause chronic or occasional down-drafts. When selecting a site for a new chimney, take care to consider the placement of other objects in the vicinity of the proposed chimney location.

WIND VELOCITY: Generally, the stronger and steadier a wind, the stronger (better) the draft. However, "gusty" wind conditions may cause erratic down-drafts.

BAROMETRIC PRESSURE: Chimney drafts are typically sluggish on balmy, wet or muggy days. This is a weather-related phenomenon, which generally is self-correcting as the weather changes.

BRISKNESS OF FIRE: The hotter the fire in your stove, the hotter your chimney and, therefore, the stronger the draft.

BREAKS IN THE VENTING SYSTEM: An unsealed clean-out door at the bottom of the chimney, leaky stovepipe joints, a poor stovepipe-to-thimble connection, or a leaky chimney may cause inadequate draft.

SEASONAL FACTORS: Early fall and late spring are generally difficult seasons in which to establish proper drafts. The colder the outside air (relative to room temperatures), the stronger the draft.

Operating the Stove

There are days when a draft is not easily established. As outlined above, seasonal factors or a cold chimney may be the cause. Try starting the fire by using small kindling and fuel to obtain a quick, hot fire. Tend the fire frequently with small fuel until the chimney is hot and the draft is well established.

Troubleshooting Guide

PROBLEM	POSSIBLE CAUSE	SOLUTIONS
STOVE SMOKES	<p>Operating Technique</p> <p>Cold Chimney Blocked Chimney</p> <p>Oversized Chimney Undersized Chimney Chimney Too Short Air Infiltration Into The Chimney More Than One Appliance Connected to the Flue</p>	<p>Fully open the primary air control one minute before opening doors.</p> <p>Preheat the chimney when first starting a fire.</p> <p>Examine the chimney and stovepipe for blockage or creosote accumulations.</p> <p>Reline the chimney to the appropriate diameter</p> <p>Install a draft inducer or replace the chimney.</p> <p>Lengthen the chimney.</p> <p>Seal chimney connections and openings in clean-out doors.</p> <p>Disconnect all other appliances and seal openings.</p>
BACK-PUFFING OR GAS EXPLOSIONS	<p>Operating Technique</p> <p>Extra Low Burn Rate Chimney Down-draft Excessive Ash Build-up</p>	<p>Fully open the primary air control one minute before opening the door and keep it fully open for a few minutes after reloading.</p> <p>Burn the stove at a higher burn rate.</p> <p>Install a chimney cap.</p> <p>Empty ash pan more frequently.</p>
UNCONTROLLED OR SHORT BURN	<p>Unsealed or Open Door</p> <p>Excessive Draft</p> <p>Deteriorated Cement Seals</p> <p>Extra Long Chimney Oversized Chimney High Winds or Hilltop Location: Excessive Draft</p>	<p>Close the door tightly or replace the gaskets.</p> <p>Check the installation. Operate at LOW BURN. Install stovepipe damper.</p> <p>Reseal the stove with furnace cement.</p> <p>Shorten the chimney. Install stovepipe damper.</p> <p>Reline the chimney to the proper diameter.</p> <p>Install a chimney cap.</p> <p>Draft in excess of 0.1 wc should be corrected with a stovepipe damper</p>
INSUFFICIENT HEAT	<p>Poor Quality or Green Wood</p> <p>Low Burn Rate Air Insulated Chimney</p> <p>Cold Exterior Chimney Leaky Stovepipe or Chimney Too Much Heat Loss From House</p>	<p>Use only air-dried wood, preferably dried <u>at least</u> one year.</p> <p>Operate the stove at a higher burn rate.</p> <p>Replace with a pre-fabricated insulated chimney system or a properly sized masonry chimney.</p> <p>Reline or insulate the chimney.</p> <p>Check the installation.</p> <p>Caulk windows, seal openings in home.</p>
BLISTERING OF ENAMEL CASTING	<p>Operating Technique</p> <p>Excessive Draft</p>	<p>Do not over-fire the stove. Monitor stove temperatures.</p> <p>Use seasoned wood only.</p> <p>Check the DRAFT. A damper may be required. Operate the stove at a LOW BURN range.</p>

Replacement Parts & Optional Accessories

PART NUMBER:	DESCRIPTION:	PART NUMBER:	DESCRIPTION:
CASTINGS		STEEL SET	
2010-050	Ash Door Frame	5010-051	Primary Air Inlet/Ash Pan Box Ass'y
2010-060	Ash Door	5010-055	Ash Door Latch
2010-101	Bottom	5010-060	Ash Pan
2010-150	Ash Grate Frame	5010-070	Primary Air Control Slider
2010-160	Ash Grate	5012-057	Primary Air Handle
2010-120	Ash Lip	5010-101	Secondary Air Plenum
2010-300	Side Leg	5010-201	Primary Air Plenum
2010-180	Front Door	5010-221	Secondary Air Riser Tube
2010-550	Glass Retention Frame	5010-255	Secondary Air Tube #1
2010-602	Front Door Frame	5010-256	Secondary Air Tube #2
2010-801	Top	5010-257	Secondary Air Tube #3
2010-850	Top Stone Support Grill	5010-258	Secondary Air Tube #4
2010-190	Flue Collar	5010-260	Air Tube Lock Bracket
2010-105	Bottom Foot	5010-301	Front Baffle Support
		5400-2206	Front Door Latch
		5010-080	Door Handle Cranks
		5012-066	Primary Air Shutter Bushing
		5010-450	Top Heat Shield
STONE/REFRACTORY			
1201-26	8-1/32 X 9-1/2 Soapstone-Rear Center		
1141-260	7-1/16" X 8-1/16" Soapstone – Top	MISCELLANEOUS	
1141-226	6-9/32" X 9-1/2" Soapstone – Side	90-57005	Glass Replacement Kit
1141-251	2-3/4" X 9-1/2" Soapstone-Front Top	90-57001	Gasket Kit
1141-252	3-3/4" X 9-1/2" Soapstone-Front Bottom	3110-063	3/4" Side Door Rope (Ft)
1141-254	2-19/32" X 9-1/2" Soapstone-Front Side	3900-177	Handle, Black, Wood
1141-255	8-1/32" X 9-1/2" Soapstone – Rear Side		
3120-202	Ceramic Fire Baffle		
3120-201	Ceramic Blanket		
		OPTIONAL ACCESSORIES	
		90-57200	Rear Heat Shield Kit
		90-57000	Blower Assembly
		90-53002	Outside Air Adapter Kit (serial #14503 an up)

Safety Label

CONTACT YOUR LOCAL BUILDING OFFICIALS ABOUT RESTRICTIONS AND INSTALLATION INSPECTION IN YOUR AREA



Intertek Testing Services NA, inc.

Listed Room Heater, Solid Fuel Type
Also Suitable for Mobile Home Installation Pursuant to (UM)84-HUD
Manufactured by: **hearthstone**
PO. Box 1069
Morrisville VT 05661

SERIAL # [REDACTED]
MODEL NAME:
MANSFIELD 2 -8012 [REDACTED]
TESTED TO: UL 1482, ULC S627

WARNINGS

Do not use grate or elevate fire. Build wood fire directly on hearth.
Do not overfire. If the heater or chimney connector glows, you are overfiring. (See Manual)

Do not operate with doors open.
Do not obstruct space under heater.

TYPE OF FUEL:
Solid Wood Only

"PREVENT HOUSE FIRES"

Install and use only in accordance with manufacture's installation instructions and your local building codes.

CAUTION: Special methods are required when passing chimney through a wall or ceiling, refer to local building codes. Do not connect this unit to a chimney flue serving another appliance

NOTE: Replace glass only with 5mm CERAMIC IR or NEOCERAM IR glass.

WARNING: (MOBILE HOME) An outside air inlet must be provided for combustion and be unrestricted while unit is in use.

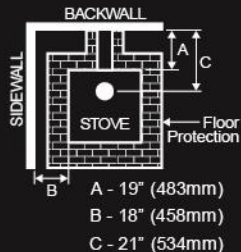
Inspect and Clean Chimney Frequently-Under Certain Conditions of Use, Creosote Buildup May Occur Rapidly.

This heater must be installed with the legs provided, attached as shown in the installation instructions. Do not obstruct the space beneath the heater.



Caution: Hot while in operation, Do not touch children, clothing, and furniture away. Contact may cause skin burns. See nameplate and Owner's manual.

Minimum Clearance to Combustible Materials*



When installed on a combustible floor, non-combustible floor protection is required to cover the area beneath the heater, and extend at least 16" to the front and 6" to the sides and back. If using the rear exit of the stove, the floor protection must extend under the flue connector and extend 2" beyond each side of the pipe.

VENT REQUIREMENTS: 6 inch diameter, single wall, minimum 24 MSG blue steel connector with listed factory-built Type HT chimney or masonry chimney.

* Refer to the Installation Manual for additional Clearance information, Installation Instructions, and Operating Instructions.

OPTIONAL COMPONENTS:

Rear Heat Shield	Part #	90-57200
Blower	Part #	90-57000
Outside Air Assembly	Part #	90-53002

U.S. ENVIRONMENTAL PROTECTION AGENCY
Certified to comply with July 1, 1990 particulate emissions standards

Date of Manufacture

2012 2013 2014 Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

DO NOT REMOVE OR COVER THIS LABEL

MADE IN USA

3300-611



Limited Warranty

These warranties give you specific legal rights. You may also have other rights which vary from State to State.

Hearthstone Quality Home Heating Products, Inc. (Hearthstone) warrants to the original retail purchaser only (the "Original Purchaser") the new appliance manufactured by Hearthstone, purchased by the Original Purchaser and installed by an authorized Hearthstone dealer or their designated representative against any of the occurrences listed in this document that result from defects in material or workmanship. This warranty is not transferrable. All obligations of Hearthstone under this document commence on the date of the Original Invoice (the "Purchase Date"). The term "Limited Lifetime" is defined as 10 years from the beginning of warranty coverage.

Hearthstone appliances are designed to be operated only with the fuels listed in your owner's manual.

Warranty Period	Wood	Gas	Pellet	Covered Components
Limited Lifetime	X	X	X	Stone
	X	X	X	Cast iron not listed elsewhere
	X			Clean burning air supply system*
5 Year	X	X	X	Door handles and latches
	X	X	X	Steel Components and Firebox
		X		Burner and logs
3 Year			X	Burn Pot and Baffles
2 Year	X	X	X	Appliance Electrical and Gas Components
	X	X		Refractory, Vermiculite Panels, Baffles
1 Year	X	X	X	Enamel finish against peeling or fading
	X	X	X	Accessories
	X	X	X	Glass
	X			Ash Grate
	X	X	X	All components not listed elsewhere

Any parts repaired or replaced during the limited warranty period will be warranted under the terms of the limited warranty for a period not to exceed the remaining term of the original limited warranty or one year, whichever is longer.

Parts: Hearthstone will replace through an authorized dealer, defective parts covered by the foregoing warranty at no charge.

Labor: Within the first (1st) year after the Purchase Date, Hearthstone will pay for warranty labor performed by an authorized Dealer at Hearthstone's published labor rates in effect at the time the labor is performed only if the appliance is installed by an authorized dealer or their designated representative. Otherwise or thereafter, the Original Purchaser is responsible for the cost of labor.

Shipping cost for parts: Within the first ninety (90) days after the Purchase Date, Hearthstone will pay for the shipping of appliance parts covered by any of the foregoing warranties to and from Hearthstone or an authorized

Dealer, as the case may be. Thereafter, the Original Purchaser is responsible for all shipping costs related to shipping appliance parts to and from Hearthstone or an authorized Dealer, as the case may be.

Shipping cost for the appliance: Within the first (1st) year after the Purchase Date, if the Original Purchaser is instructed to return the appliance to Hearthstone or an authorized Dealer for repair, Hearthstone will pay fifty percent (50%) and the Original Purchaser will pay fifty percent (50%) of the shipping costs related to shipping the appliance to and from Hearthstone or an authorized Dealer, as the case may be. Thereafter, the Original Purchaser is responsible for one hundred percent (100%) of all of the shipping costs related to shipping the appliance to and from Hearthstone or an authorized Dealer, as the case may be. Notwithstanding any other provision of this document, in no event will Hearthstone pay for any Dealer fees or other fees for pick up or delivery of the appliance returned for repair; the Original Purchaser shall be responsible for any such fees.

EXCLUSIONS & CONDITIONS

The warranties contained in this document do not cover, nor is Hearthstone responsible for:

1. Damages resulting from:
 - a. Failure to install, operate, or maintain the appliance in accordance with the owner's manual, operating instructions, installation instructions, or safety rating label provided with the appliance.
 - b. Over-firing the appliance. Over-firing can be identified by, but not limited to, warped cast iron or steel, rust colored cast iron, bubbling, cracking and discoloration of steel or enamel finishes.
 - c. Failure to install the appliance in accordance with all national or local building codes.
 - d. Shipping or improper handling.
 - e. Improper operation, abuse, misuse, continued operation with damaged, corroded, or failed components, accident, or improper/incorrect service or repairs.
 - f. Environmental conditions, inadequate ventilation, negative pressure, or improper drafting caused by tightly sealed constructions, insufficient make-up air supply, or air handling devices such as exhaust fans, forced air furnaces, or other such causes.
 - g. Damage caused by direct exposure to water.
 - h. Use of fuels other than those specified in the owner's manual.
 - i. Installation or use of components not supplied with the appliance, or any other components not expressly authorized and approved by Hearthstone.
 - J. Modifications of the appliance not expressly authorized and approved by Hearthstone in writing
 - K. Interruptions or fluctuations of electrical power supplied to the appliance.
2. All stones are warranted against cracking or breakage due to thermal stress, excluding surface and hairline cracks and scratches that do not affect the operation, or safety of the appliance.
3. Repair or replacement of wear parts. Such parts that are subject to normal wear and tear during the warranty period such as paint, gaskets, baffles, refractory materials, ash grates, and glass.
4. Damage resulting from installation, modification, alteration, repair or service of the appliance by any party other than an authorized Hearthstone dealer (a "Dealer") or their designated representative, or Hearthstone.
5. Damage due to water or condensation due to installation of the appliance in a high moisture area.
6. Damage due to installation of the appliance in an atmosphere contaminated by damaging chemicals, including but not limited to chlorine, fluorine or salts.
7. Scratches on glass, enameled surfaces or stones due to mechanical abrasion.
8. Noise caused by expansion or contraction caused by the heating and cooling of the appliance.
9. Odors caused by the heating of the appliance, or surrounding materials
10. Consequential damage caused by leaking of condensate during startup
11. A defect in any part of the appliance if the Original Purchaser fails to comply with Hearthstone's or a Dealer's request to ship the part or the appliance to Hearthstone or a Dealer, as the case may be.
12. Replacement stones and enameled parts are taken from current stock, and may not match originals in color, grain, or pattern. Hearthstone will supply replacement parts for discontinued parts in finishes or colors as available, or at their discretion.
13. Hearthstone's obligation under this warranty does not extend to the appliance's ability to heat the desired space. Information is provided to assist the customer and the dealer in selecting the appropriate appliance for the application. Consideration must be given to appliance location and configuration, environmental conditions, insulation and air tightness of the structure.

THE WARRANTIES CONTAINED IN THIS DOCUMENT ARE EXCLUSIVE AND ARE GIVEN BY HEARTHSTONE AND ACCEPTED BY THE ORIGINAL PURCHASER IN LIEU OF ALL OTHER EXPRESS

WARRANTIES AND ANY OBLIGATIONS, LIABILITIES, RIGHTS, CLAIMS, OR REMEDIES IN CONTRACT OR TORT, WHETHER OR NOT ARISING FROM HEARTHSTONE'S NEGLIGENCE, ACTUAL OR IMPUTED. ALL IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE GIVEN ONLY TO THE EXTENT REQUIRED BY FEDERAL OR STATE LAW. EXCEPT AS OTHERWISE REQUIRED BY STATE LAW, UPON THE EXPIRATION OF THE EXPRESS LIMITED WARRANTIES CONTAINED HEREIN, NO IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY TO THE SUBJECT APPLIANCE. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

THE WARRANTIES CONTAINED IN THIS DOCUMENT EXTEND ONLY TO THE ORIGINAL PURCHASER OF THE APPLIANCE WARRANTED HEREUNDER. THEY ARE NOT TRANSFERRABLE AND DO NOT EXTEND TO ANY SUBSEQUENT OWNERS.

UNDER NO CIRCUMSTANCES SHALL HEARTHSTONE BE LIABLE TO THE ORIGINAL PURCHASER OR ANY OTHER PERSON FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO DAMAGE TO PROPERTY OR PERSONAL INJURIES, WHETHER ARISING OUT OF LOSS OF USE, BREACH OF WARRANTY, TORT, OR OTHERWISE, EVEN IF HEARTHSTONE HAS BEEN APPRAISED OF THE POSSIBILITY OF SUCH DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

QUALIFYING FOR WARRANTY COVERAGE

To obtain performance of any obligation under this document, the Original Purchaser must, within the applicable warranty time period, contact their original Hearthstone dealer, or the current responsible local Hearthstone dealer, for instructions regarding the return of defective parts for repair, the return of the appliance for repair, or to schedule a Dealer service call. The Original Purchaser should refer to the Dealer Network search engine contained on Hearthstone's Web site (www.hearthstonestoves.com) if the original dealer is not available, to find a Hearthstone dealer nearest to the Original Purchaser's location.

REMEDY

The remedy for any breach of the foregoing warranties will consist of repair or replacement, at Hearthstone's option, of any covered defect in the appliance. When the Original Purchaser contacts a Hearthstone Dealer, the Dealer on behalf of Hearthstone, as the case may be, will instruct the Original Purchaser to either return the defective part, or the entire appliance (if requested), to the Dealer or Hearthstone or allow a Dealer to make a service call at the place where the appliance is located. Hearthstone may require that a digital picture be provided to support the claim. Notwithstanding any other provision of this document, the Original Purchaser shall pay for any fees and service charges related to a Dealer's service call or the shipping charges associated with the return.

WARRANTY REGISTRATION

The Original Purchaser can complete their warranty registration on our website at www.hearthstonestoves.com, or send a completed and signed Warranty Registration Form, which is enclosed in the appliance document packet, to the following address:

Hearthstone Quality Home Heating Products, Inc.
Warranty Department
317 Stafford Avenue
Morrisville, VT 05661

NOTE: SENDING IN THE SIGNED WARRANTY REGISTRATION FORM IS *NOT REQUIRED* AS A CONDITION OF WARRANTY COVERAGE OR HEARTHSTONE'S PERFORMANCE.