

# Owner's Operation and Instruction Manual

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**MODEL: 3000 (L), (LN)**

CERTIFIED FOR USA and CANADA  
SAFETY TESTED TO UL 1482-2010 and ULC-S627-2000

US ENVIRONMENTAL PROTECTION AGENCY PHASE II CERTIFIED WOODSTOVE

WASHINGTON STATE APPROVED

## **CAUTION!**

Please read this entire manual before you install or use your new room heater. Failure to follow instructions may result in property damage, bodily injury, or even death.

**Improper Installation Could Void  
Your Warranty!**

## **SAFETY NOTICE:**

**If this heater is not properly installed, a house fire may result. For your safety, follow the installation instructions. Never use make-shift compromises during the installation of this heater. Contact local building or fire officials about permits, restrictions and installation requirements in your area.**

## **SAVE THESE INSTRUCTIONS**

THIS MANUAL WILL HELP YOU TO OBTAIN EFFICIENT, DEPENDABLE SERVICE FROM THE HEATER, AND ENABLE YOU TO ORDER REPAIR PARTS CORRECTLY. KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.



**United States Stove Company**

227 Industrial Park Road  
P.O. Box 151  
South Pittsburg, TN 37380



**Intertek**

851879 rev A

# CONGRATULATIONS!

You've purchased a heater from North America's oldest manufacturer of wood burning products.

By heating with wood you're helping to CONSERVE ENERGY!

Wood is our only Renewable Energy Resource. Please do your part to preserve our wood supply. Plant at least one tree each year. Future generations will thank you.

The instructions pertaining to the installation of your wood stove comply with UL-1482 and ULC-S627 standards.

<b>Combustible :</b>	Wood
<b>Colors :</b>	Metallic Black
<b>Flue Pipe Diameter :</b>	6" (152.5mm)
<b>Flue Pipe Type: (Standard Single Wall):</b>	Black or Blued Steel 2100°F (650°C)
<b>Minimum Chimney Height :</b>	12' (3.7m)
<b>Maximum Log Length :</b>	21" (533.5mm)
<b>Dimensions</b>	
<b>Overall :</b> Depth x Width x Height :	29 1/2" x 27" x 28 5/8" (749mm x 686mm x 727mm)
<b>Combustion Chamber :</b> Width x Depth :	22 3/4" x 21" (578mm x 533mm)
<b>Volume :</b> Cubic Feet:	3.11 ft³ (.0881m³)
<b>Door Opening :</b> Width x Height:	16" x 8" (406.5mm x 203mm)
<b>Pyroceramic Glass Door : (Viewing)</b> Width x Height:	13 13/16" x 8 3/8" (351mm x 213mm)
<b>Weight (lbs):</b>	375 lbs (170kg)

## CAUTIONS:

- HOT WHILE IN OPERATION. KEEP CHILDREN, CLOTHING AND FURNITURE AWAY. CONTACT MAY CAUSE SKIN BURNS.
- DO NOT USE CHEMICALS OR FLUIDS TO IGNITE THE FIRE.
- DO NOT LEAVE THE STOVE UNATTENDED WHEN THE DOOR IS SLIGHTLY OPENED.
- DO NOT BURN GARBAGE, FLAMMABLE FLUID SUCH AS GASOLINE, NAPHTHA OR MOTOR OIL.
- DO NOT CONNECT TO ANY AIR DISTRIBUTION DUCT OR SYSTEM.
- ALWAYS CLOSE THE DOOR AFTER THE IGNITION.

CUT HERE



# WARRANTY INFORMATION CARD

Name \_\_\_\_\_ Telephone #: (\_\_\_\_) \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Email Address \_\_\_\_\_

Model # of Unit \_\_\_\_\_ Serial # \_\_\_\_\_

Fuel Type: ☐ Wood ☐ Coal ☐ Pellet ☐ Gas ☐ Other \_\_\_\_\_

Place of Purchase (Retailer) \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

If internet purchase, please list website address \_\_\_\_\_

Date of Purchase \_\_\_\_\_

Reason for Purchase: ☐ Alternative Heat ☐ Main Heat Source

☐ Decoration ☐ Cost ☐ Other \_\_\_\_\_

What was the determining factor for purchasing your new appliance? \_\_\_\_\_

I have read the owner's manual that accompanies this unit and fully understand the:  
Installation ☐ Operation ☐ and Maintenance ☐ of my new appliance.

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**Please attach a copy of your purchase receipt.**

**Warranty not valid without a Proof of Purchase.**

**Warranty information must be received within 30 days of original purchase.**

**Detach this page from this manual, fold in half with this page to the inside and tape together. Apply a stamp and mail to the address provided. You may use an envelope if you choose.**

**You may register online by going to [www.usstove.com](http://www.usstove.com)**

All information submitted will be kept strictly confidential. Information provided will not be sold for advertising purposes.  
Contact information will be used solely for the purpose of product notifications.

CUT HERE



CUT HERE



Fold Here

Fold Here



PLACE  
STAMP  
HERE

United States Stove Company  
P.O. Box 151  
South Pittsburg, TN 37380

CUT HERE



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## Tools and Materials Needed For Installation

You will need a drill with a 1/8" bit to install sheet metal screws into connector pipe. A 5/16" socket/wrench or screw driver to install pedestal trim, room air deflector, and blower assembly described below. A 1/2" socket/wrench to install flue collar. A non-combustible floor protector as specified in this manual. All chimney and chimney connector components required for your particular chimney installation.

## Assembly

### Flue Collar Assembly:

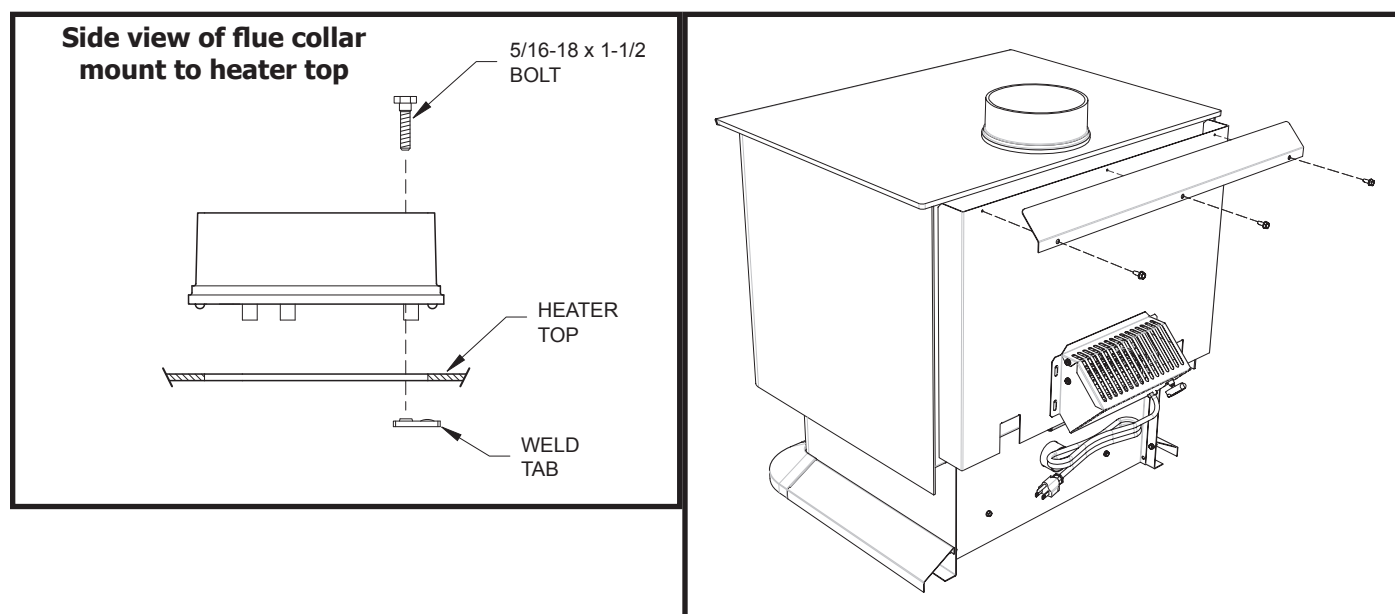
1. Mount the flue collar to the top of the unit as shown using the (3) 5/16-18 x 1-1/2 bolts, (3) washers, and (3) weld tabs provided in the parts box.

### Room Air Deflector Assembly:

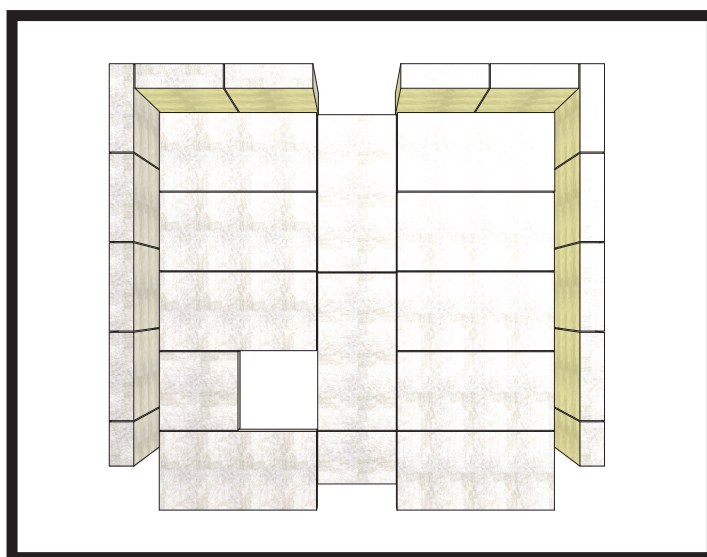
1. Locate the Room Air Deflector. Using the three(3) 1/2 Tek Screws provided, mount the deflector to the unit as shown in the diagram.

### Firebrick Configuration:

1. Replace the Firebrick as shown in the illustration below.



Brick Configuration



## ASSEMBLY INSTRUCTIONS

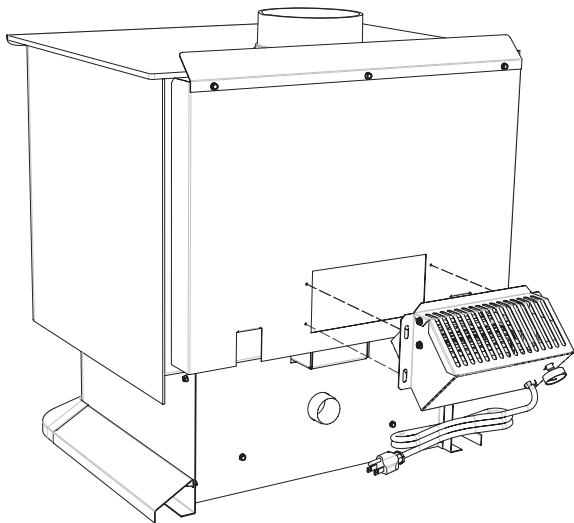
### Blower Assembly

THE BLOWER ASSEMBLY MUST BE DISCONNECTED FROM THE SOURCE OF ELECTRICAL SUPPLY BEFORE ATTEMPTING THE INSTALLATION.

THE BLOWER ASSEMBLY IS INTENDED FOR USE ONLY WITH A STOVE THAT IS MARKED TO INDICATE SUCH USE.

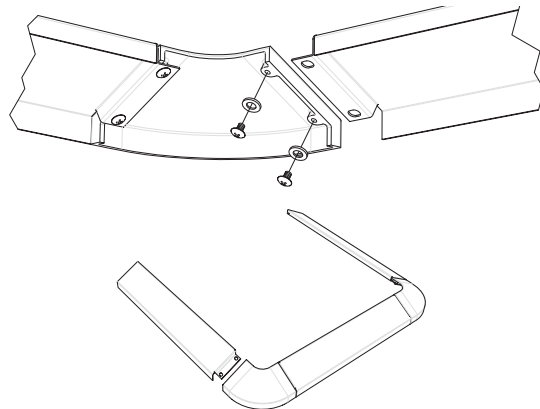
DO NOT ROUTE THE SUPPLY CORD NEAR OR ACROSS HOT SURFACES!

Fix the assembly to the back of the stove with the four screws provided.

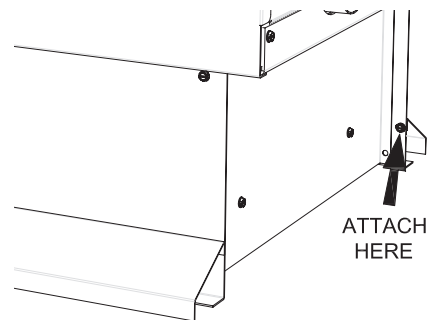


### Pedestal Trim Assembly

Assemble trim pieces as shown with the screws provided in the parts bag. Washers may not be necessary. This may not be necessary depending on the trim kit you have.



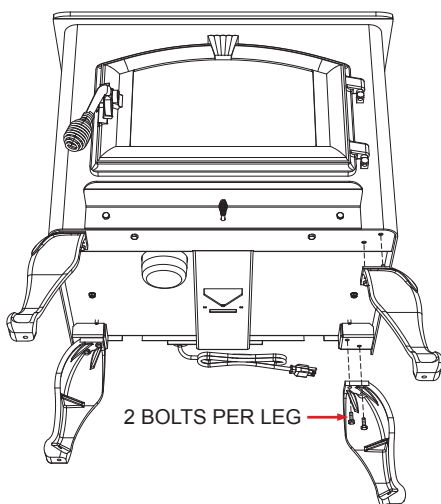
After trim assembly, attach to the pedestal base at the location shown using the screws provided.



### Leg Assembly

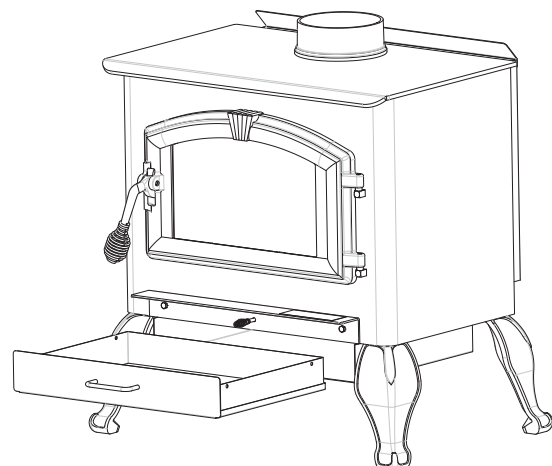
If not already installed or for purpose of repair, follow these directions. Because of this heater's weight, we suggest getting assistance maneuvering it into position.

Begin by removing all the firebrick. Carefully roll the heater onto its side, placing a couple wooden blocks to hold the heater off the legs. A piece of carpet would also help reduce the chances of scratching the unit. Once you've attached the legs with the supplied hardware, stand the heater back on its legs.



### Ash Pan Assembly

If not already installed, slide the ash pan inside the ash pan housing.



## INSTALLATION

### **SAFETY NOTICE**

- IF THIS STOVE IS NOT PROPERLY INSTALLED, A HOUSE FIRE MAY RESULT. TO REDUCE THE RISK OF FIRE, FOLLOW THE INSTALLATION INSTRUCTIONS.
- THIS STOVE IS NOT APPROVED FOR INSTALLATION IN A MANUFACTURED OR MOBILE HOME.
- CONSULT YOUR MUNICIPAL BUILDING DEPARTMENT OR FIRE OFFICIALS ABOUT PERMITS, RESTRICTIONS AND INSTALLATIONS REQUIREMENTS IN YOUR AREA.
- USE SMOKE DETECTORS IN THE ROOM WHERE YOUR STOVE IS INSTALLED.
- KEEP FURNITURE AND DRAPES WELL AWAY FROM THE STOVE.
- 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.
- IN THE EVENT OF A CHIMNEY FIRE, PUSH THE AIR CONTROL FULL CLOSED TO DEPRIVE THE FIRE OF OXYGEN. CALL THE FIRE DEPARTMENT.
- DO NOT CONNECT TO ANY AIR DISTRIBUTION DUCT OR SYSTEM.
- A SOURCE OF FRESH AIR INTO THE ROOM OR SPACE HEATED SHALL BE PROVIDED WHEN REQUIRED.

### **POSITIONING THE STOVE**

It is very important to position the wood stove as close as possible to the chimney, and in an area that will favor the most efficient heat distribution possible throughout the house. The stove must therefore be installed in the room where the most time is spent, and in the most spacious room possible. Recall that wood stoves produce radiating heat, the heat we feel when we are close to a wood stove. A wood stove also functions by convection, that is through the displacement of hot air accelerated upwards and its replacement with cooler air. If necessary, the hot air distribution from the stove may be facilitated by the installation of a blower.

**The wood stove must not be hooked up to a hot air distribution system since an excessive accumulation of heat may occur.**

**A wood stove must never be installed in a hallway or near a staircase, since it may block the way in case of fire or fail to respect required clearances.**

## FLOOR PROTECTOR

Your wood stove should be placed on a 1 inch, non-combustible surface with a k factor of 0.84. For multiple layers, add R-values of each layer to determine the overall R-value. The R value for the required board is 1.2. If there is a horizontal section of chimney connector, the floor protector should go under it and 2 inches beyond each side

Convert specification to R-value:

k-factor is given with a required thickness (T) in inches:  $R=1/k \times T$

C-factor is given:  $R=1/C$

Example:

If the floor protector is 4" brick with a C-factor of 1.25 over 1/8" mineral board with a "k" factor of 0.29 the total R-value of the system is:

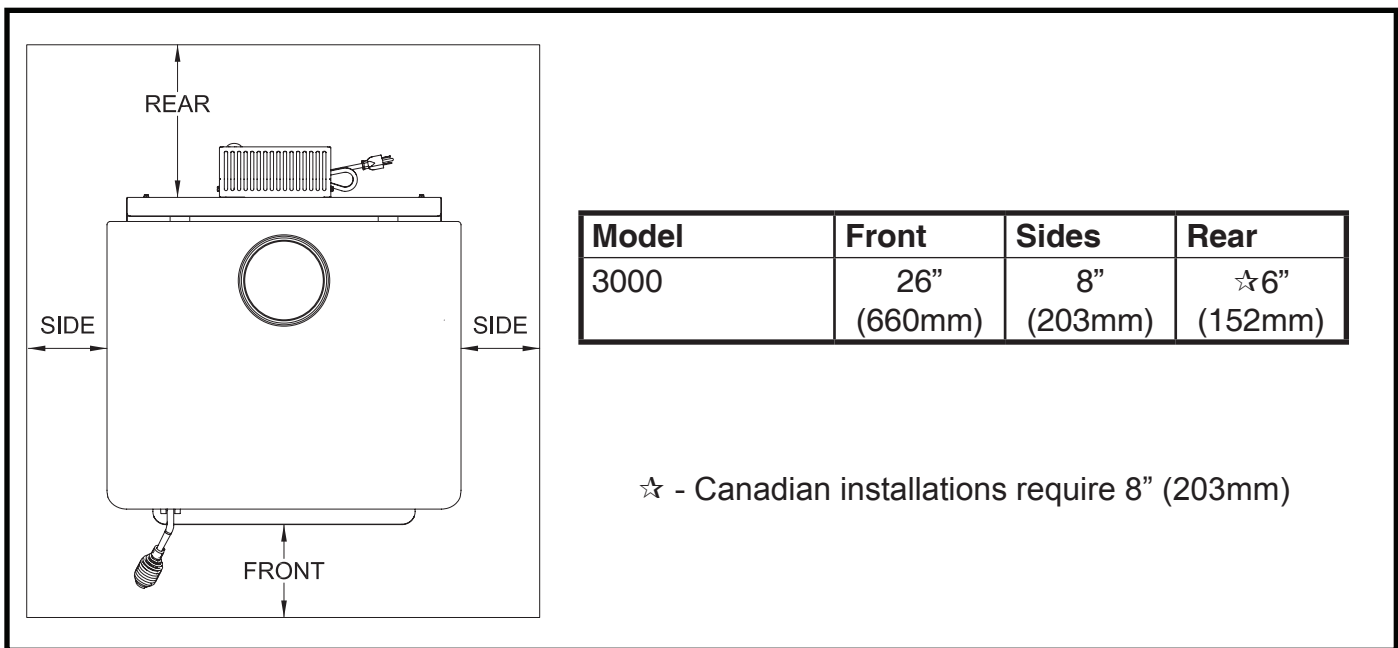
4" brick  $C=1.25$ ,  $R=1/1.25=0.8$

1/8" mineral board  $K=0.29$ ,  $R=1/0.29 \times 0.125=0.431$

Total  $R = R_{\text{brick}} + R_{\text{mineral}} = 0.8 + 0.431 = 1.231$

Total R is greater than 1.2, the system is acceptable.

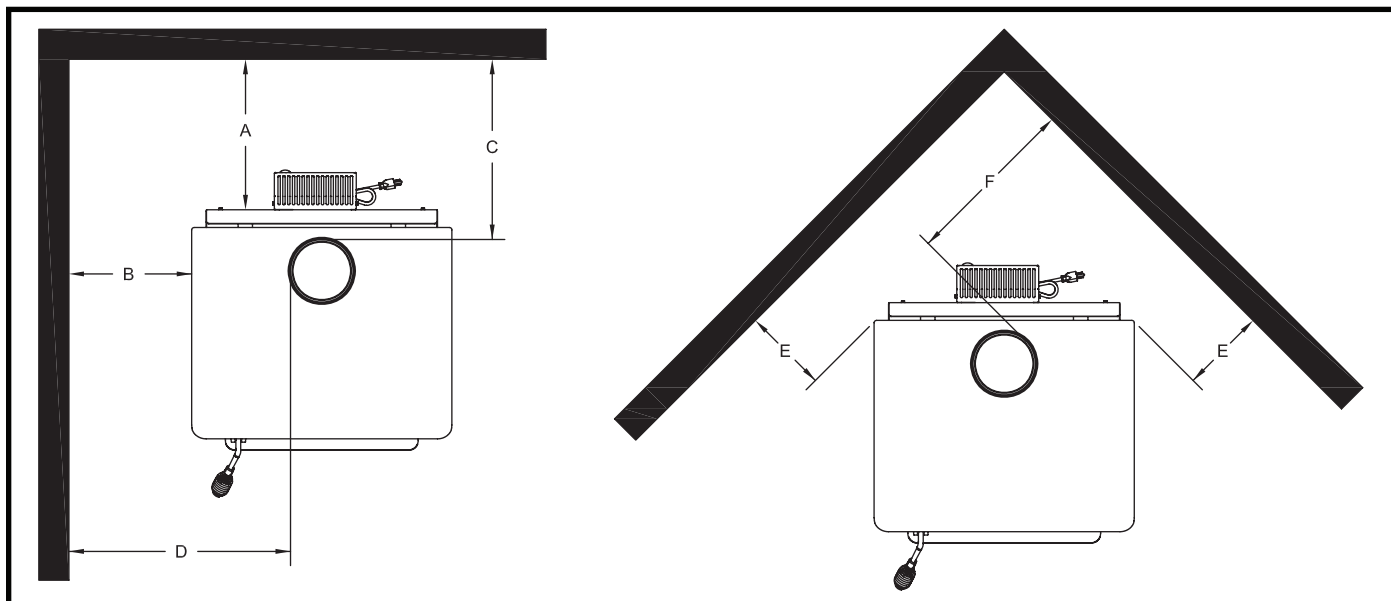
The floor protector should exceed the stove as follows:





## CLEARANCES TO COMBUSTIBLES

It is of utmost importance that the clearances to combustible materials be strictly adhered to during installation of the stove. Refer to the tables below :



Single Wall Pipe						
Model	A	B	C	D	E	F
3000	14 (358mm)	20 (508mm)	17.5 (445mm)	30.5 (775mm)	11 (279mm)	24 (610mm)

- Floor to ceiling height must be at least 7' (2.13m) in all cases.
- Do not place any combustible material within 4' (1.2m) of the front of the unit.
- The clearance between the flue pipe and a wall are valid only for vertical walls and for vertical flue pipe.
- The chimney connector must not pass through an attic or roof space, closet or similar concealed space, a floor, or a ceiling.
- For Canadian installations, where passage through a wall, or partition of combustible construction is desired, the installation must conform to CAN/CSA-B365.
- A flue pipe crossing a combustible wall must have a minimum clearance of 18" (457.2mm).
- To reduce flue clearances from combustible materials, contact your local safety department.

## CHIMNEY CONNECTOR (STOVE PIPE)

Your chimney connector and chimney must have the same diameter as the stove outlet (6"). If this is not the case, we recommend you contact your dealer in order to insure there will be no problem with the draft.

The stove pipe must be made of aluminized or cold roll steel with a minimum thickness of 0.021" or 0.53 mm. It is strictly forbidden to use galvanized steel.

Your smoke pipe should be assembled in such a way that the male section (crimped end) of the pipe faces down. Attach each of the sections to one another with three equidistant metal screws.

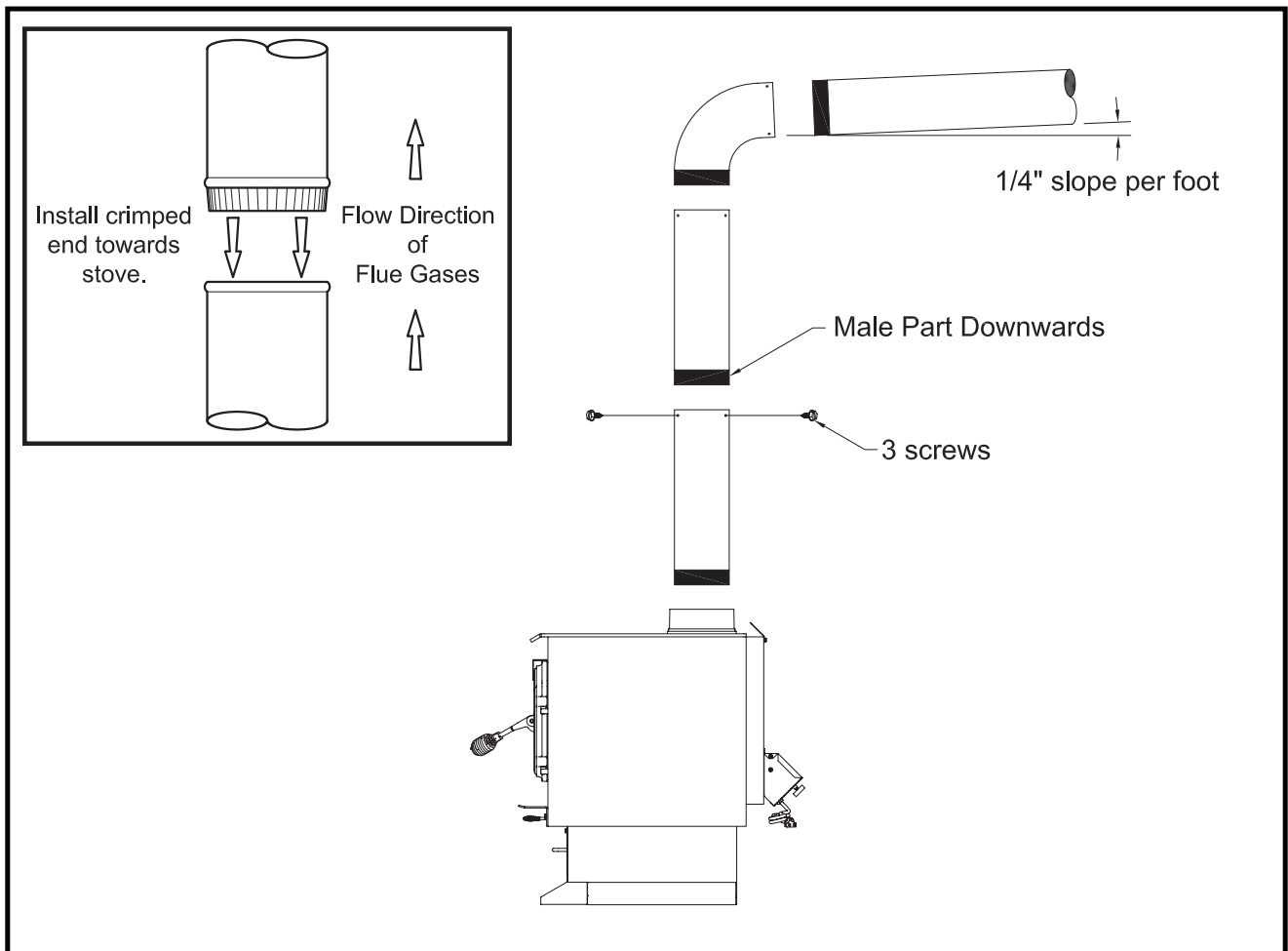
The pipe must be short and straight. All sections installed horizontally must slope at least 1/4 inch per foot, with the upper end of the section toward the chimney. Any installation with a horizontal run of chimney pipe must conform to NFPA 211. You may contact NFPA (National Fire Protection Association) and request the latest edition of the NFPA Standard 211.

To insure a good draft, the total length of the coupling pipe should never exceed 8' to 10' (2.4m to 3.04 m). (Except for cases of vertical installation, cathedral-roof style where the smoke exhaust system can be much longer and connected without problem to the chimney at the ceiling of the room).

There should never be more than two 90 degrees elbows in the smoke exhaust system.

Installation of a "barometric draft stabilizer" (fireplace register) on a smoke exhaust system is prohibited.

Furthermore, installation of a draft damper is not recommended. Indeed, with a controlled combustion wood stove, the draft is regulated upon intake of the combustion air in the stove and not at the exhaust.



## CHIMNEY

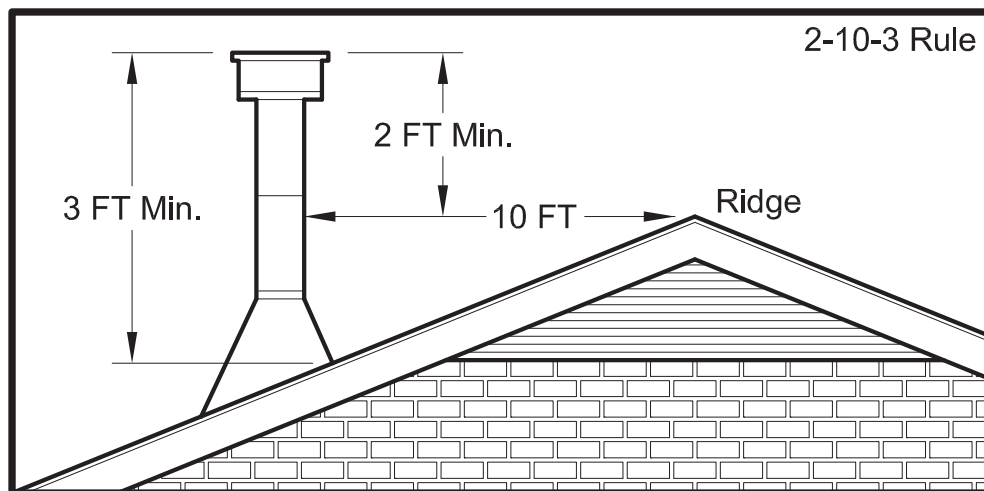
Your wood stove may be hooked up with a 6" factory built or masonry chimney. If you are using a factory built chimney, it must comply with UL 103 or CSA-B365 standard; therefore it must be a Type HT (2100°F). It is extremely important that it be installed according to the manufacturer's specifications.

If you are using a masonry chimney, it is important that it be built in compliance with the specifications of the National Building Code. It must be lined with fire clay bricks, metal or clay tiles sealed together with fire cement. (Round flues are the most efficient).

The interior diameter of the chimney flue must be identical to the stove smoke exhaust. A flue which is too small may cause draft problems, while a large flue favours rapid cooling of the gas, and hence the build-up of creosote and the risk of chimney fires. Note that it is the chimney and not the stove which creates the draft effect; your stove's performance is directly dependent on an adequate draft from your chimney.

**The following recommendations may be useful for the installation of your chimney:**

- 1. DO NOT CONNECT THIS UNIT TO A CHIMNEY FLUE SERVING ANOTHER APPLIANCE.**
- 2. It must rise above the roof at least 3' (0.9m) from the uppermost point of contact.**
- 3. The chimney must exceed any part of the building or other obstruction within a 10' (3.04m) distance by a height of 2' (0.6m).**
- 4. Installation of an interior chimney is always preferable to an exterior chimney. Indeed, the interior chimney will, by definition, be hotter than an exterior chimney, being heated up by the ambient air in the house. Therefore the gas which circulates will cool more slowly, thus reducing the build-up of creosote and the risk of chimney fires.**
- 5. The draft caused by the tendency for hot air to rise will be increased with an interior chimney.**
- 6. Using a fire screen at the extremity of the chimney requires regular inspection in order to insure that it is not obstructed thus blocking the draft, and it should be cleaned when used regularly.**



## FACTORY BUILT CHIMNEY :

When a metal prefabricated chimney is used, the manufacturer's installation instructions must be followed. You must also purchase (from the same manufacturer) and install the ceiling support package or wall pass-through and "T" section package, firestops (where needed), insulation shield, roof flashing, chimney cap, etc. Maintain proper clearance to the structure as recommended by the manufacturer. The chimney must be the required height above the roof or other obstructions for safety and proper draft operation.

