HAMPTON®

HI200 Wood Cast Insert

Owner's & Installation Manual

Tested by:
ETL LISTED C US
Intertek

***Installer*: Please complete the details on the back cover and leave this manual with the homeowner.**
***Homeowner:* Please keep these instructions for future reference.**

Thank-you for purchasing a **HAMPTON PRODUCT.**
The pride of workmanship that goes into each of our products will give you years of trouble-free enjoyment. Should you have any questions about your product that are not covered in this manual, please contact the HAMPTON DEALER in your area. Keep those HAMPTON FIRES burning.

“This wood heater has a manufacturer set minimum low burn rate that must not be altered. It is against federal regulations to alter this setting or otherwise operate this wood heater in a manner inconsistent with operating instructions in this manual." Failure to follow the manual details can lead to smoke and CO emissions spilling into the home. It is recommended to have monitors in areas that are expected to generate CO such as heater fuelling areas.

“U.S. ENVIRONMENTAL PROTECTION AGENCY Certified to comply with 2015 particulate emission standards using crib wood". Not approved for sale after May 15, 2020.”

Model Regency HI200 – 3.0 g /hr.

SAFETY NOTE: If this woodstove is not properly installed, a house fire may result. For your safety, follow the installation instructions, contact local building, fire officials, or authority having jurisdiction about restrictions and installation inspection requirements in your area.

The following statements are required by the Environmental Protection Agency:

“This manual describes the installation and operation of the Regency HI200 wood heater. This heater meets the 2015 U.S. Environmental Protection Agency’s crib wood emission limits for wood heaters. Under specific test conditions this heater has been shown to deliver heat at rates ranging from 10,600 BTU/hr. to 34,700 BTU/hr” This unit has been tested using 5G series and generates the best efficiency when operated using well-seasoned wood and installed in the main living areas where the majority of the chimney is within the building envelope and fully lined.”

"It is against federal regulation to operate this wood heater in a manner inconsistent with operating instructions in this manual, or if any parts are removed. “ It is against federal regulation to operate this wood heater in a manner inconsistent with operating instructions in this manual.

CAUTION: BURN UNTREATED WOOD ONLY. OTHER MATERIALS SUCH AS WOOD PRESERVATIVES, METAL FOILS, COAL, PLASTIC, GARBAGE, SULPHUR OR OIL MAY DAMAGE THE HEATER

"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:

- Treated wood
- Coal
- Garbage
- Cardboard
- Solvents
- Colored Paper
- Trash
- Lawn clippings or yard waste
- Materials containing rubber including tires
- Materials containing plastic
- Waste petroleum products , paints or paint thinners or asphalt products
- Materials containing asbestos
- Construction or demolition debris
- Railroad ties
- Manure or animal remains
- Saltwater driftwood or other previously salt water saturated materials
- Unseasoned wood
- Paper products, cardboard, plywood or particle board. The prohibition against burning these materials does not prohibit the use of fire starters made from paper, cardboard, saw dust, wax and similar substances for the purpose of starting a fire in a wood heater

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

The authority having jurisdiction (such as Municipal Building Department, Fire Department, Fire Prevention Bureau, etc.) should be consulted before installation to determine the need to obtain a permit.

This unit must be connected to either a listed factory built chimney suitable for use with solid fuels and conforming to ULC629 in Canada or UL-103HT in the United States of America or code approved masonry chimney with flue liner.

HI200 is tested and certified to ULC-S628 and UL1482

SAVE THESE INSTRUCTIONS

NATIONAL FIREPLACE INSTITUTE NFI CERTIFIED www.nficertified.org
We recommend that our products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) or in Canada by Wood Energy Technical Training (WETT).
Wood Energy Technical Training

SAFETY LABEL

DIMENSIONS

INSTALLATION

OPERATING INSTRUCTIONS

MAINTENANCE

PARTS LIST

WARRANTY

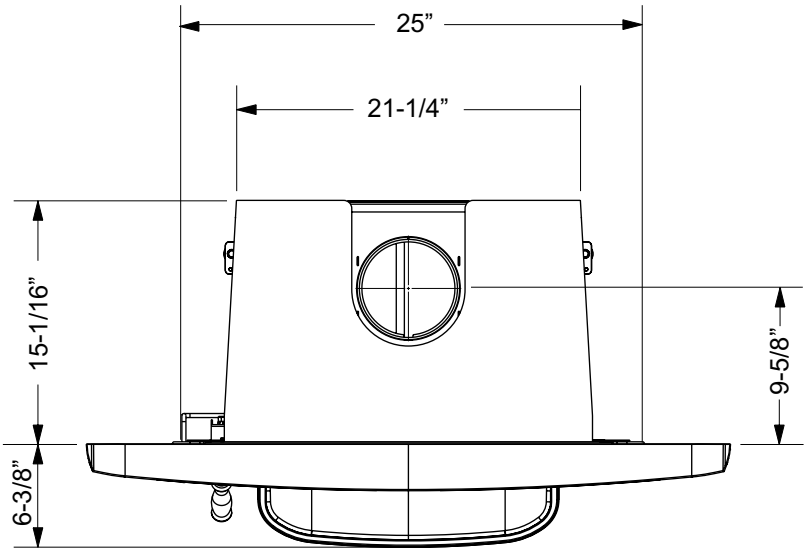
Eligible for the ecoENERGY Retrofit Program

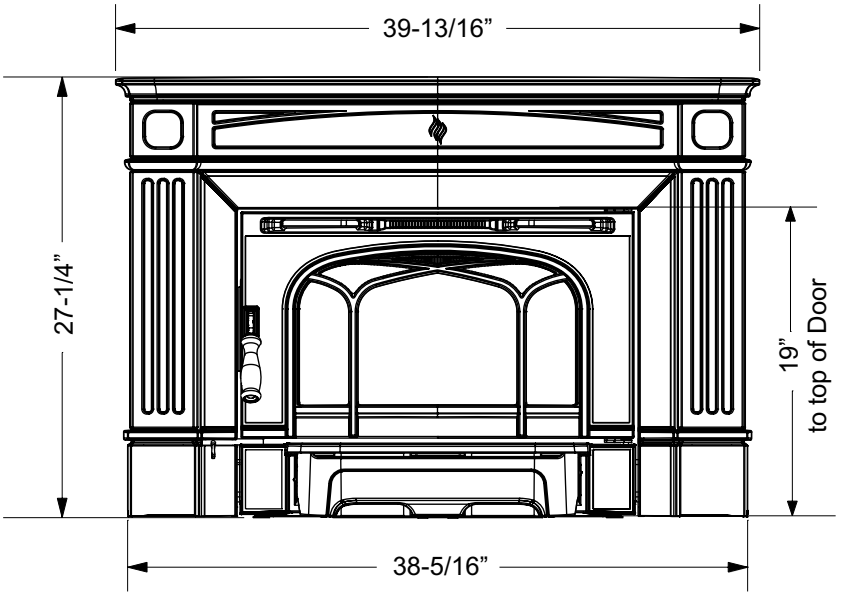
http://oee.nrcan.gc.ca/residential/personal/retrofit-homes/retrofit-qualify-grant.cfm

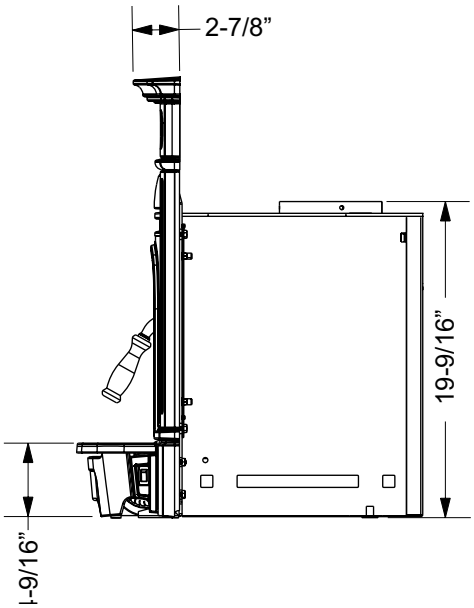
This is a copy of the label that accompanies each **HI200 Wood Insert**. We have printed a copy of the contents here for your review.

NOTE: Hampton units are constantly being improved. Check the label on the unit and if there is a difference, the label on the unit is the correct one.

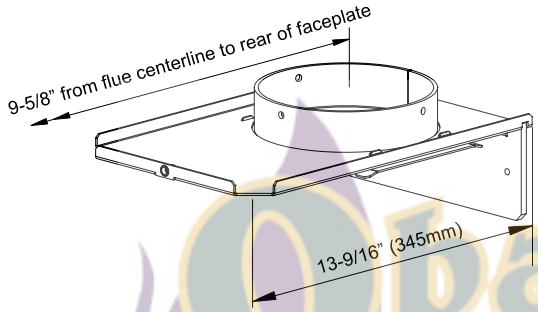
UNIT DIMENSIONS WITH STANDARD FLUE ADAPTOR





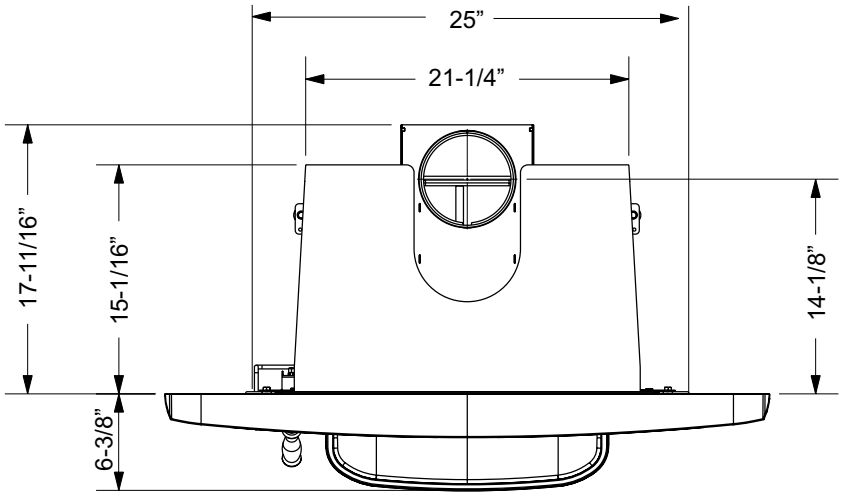


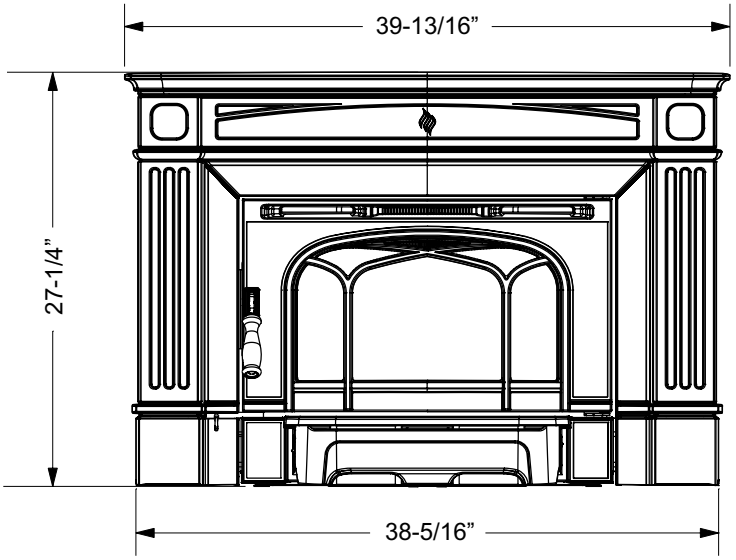
6" (152mm) Diameter
STANDARD FLUE ADAPTOR (171-932)

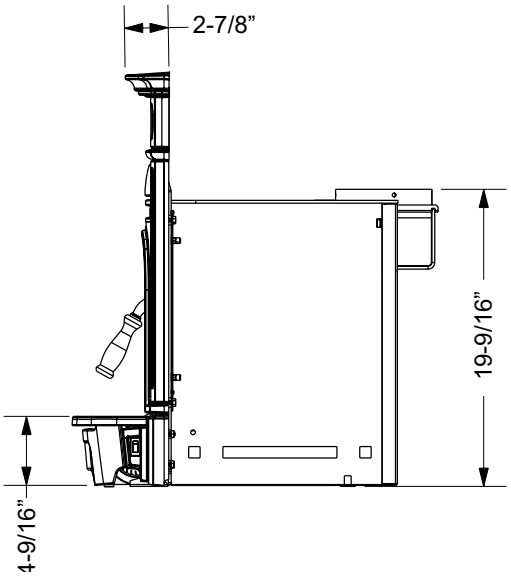


NOTE:
Before assembling your Insert, use these dimensions to ensure appropriate clearances will be met (refer to Masonry and Factory Built Fireplace Clearances section).

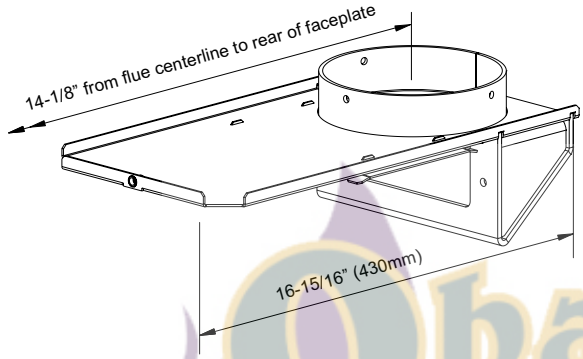
UNIT DIMENSIONS WITH OFFSET FLUE ADAPTOR







6” (152mm) Diameter
OFFSET FLUE ADAPTOR (171-936)



NOTE:
Before assembling your Insert, use these dimensions to ensure appropriate clearances will be met (refer to Masonry and Factory Built Fireplace Clearances section).

Hampton Inserts are constructed with the highest quality materials and assembled under strict quality control procedures that ensure years of trouble free and reliable performance.

It is important that you read this manual thoroughly and fully understand the installation and operating procedures. Failure to follow instructions may result in property damage, bodily injury or even death. The more you understand the way your Hampton Insert operates, the more enjoyment you will experience from knowing that your unit is operating at peak performance.

BEFORE INSTALLING YOUR INSERT

1) Read all instructions before installing and using your fireplace insert. Install and use only in accordance with manufacturer's installation and operating instructions.

2) **Check your local building codes - Building Inspection Department. You may require a permit before installing your insert. Be aware that local codes and regulations may override some items in the manual.**

WARNING: Careless installation is the major cause of safety hazard. Check all local building and safety codes before installation of unit.

3) Notify your home insurance company that you plan to install a fireplace insert.

4) Your fireplace insert is heavy and requires two or more people to move it safely. The insert and surrounding structure can be badly damaged by mishandling.

5) If your existing fireplace damper control will become inaccessible once you have installed your Hampton Insert, you should either remove or secure it in the open position.

6) Inspect your fireplace and chimney prior to installing your insert to determine that it is free from cracks, loose mortar or other signs of damage. If repairs are required, they should be completed before installing your insert. Do not remove bricks or mortar from your masonry fireplace.

7) Do not connect the insert to a chimney flue servicing another appliance or an air distribution duct.

Emissions from burning wood or gas could contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

CHIMNEY SPECIFICATIONS

Before installing, check and clean your chimney system thoroughly. If in doubt about its condition, seek professional advice. Your Hampton Insert is designed for installation into a masonry fireplace that is constructed in accordance with the requirements of "The Standard for Chimneys, Fireplaces, Vents, and Solid Fuel Burning Appliance", N.F.P.A. 211, the National Building Code of Canada, or the applicable local code requirements.

The appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Code, ANSI/NFPA 70, or the Canadian Electrical code, CSA C22.1.

Hampton Inserts are designed to use either a 5.5" (140mm) or 6" (152mm) flue.

This insert must be connected to a code-approved masonry chimney or listed factory-built fireplace chimney with a direct flue connector into the first chimney liner section. The chimney size should not be less than or more than three times greater than the cross-sectional area of the flue collar.

Requirements for Installing Solid-fuel Inserts in Factory-built Fireplaces.

1) The insert must be tested and meet the requirements of UL 1482 (U.S.) and or ULC S628 (Canada) when tested in a masonry fireplace built per ULC S628.

2) The factory-built fireplace must be listed per UL 127 or ULC S610.

3) Clearances obtained from the masonry fireplace tests are also relevant for installation in factory-built fireplaces.

4) Installation must include a full height listed chimney liner type HT requirements (2100 degree F.) per UL 1777 (U.S.) or ULC S635 (Canada). The liner must be securely attached to the insert flue collar and the chimney top.

5) Means must be provided to prevent room air passage to the chimney cavity of the fireplace. This may be accomplished by sealing the damper area around the chimney liner, or sealing the fireplace front.

6) Alteration of the fireplace in any manner is not permitted with the following exceptions;

- **a.** external trim pieces which do not affect the operation of the fireplace may be removed providing they can be stored on or within the fireplace for re-assembly if the insert is removed.
- **b.** the chimney damper may be removed to install the chimney liner.

7) Circulating air chambers (i.e. in a steel fireplace liner or metal heat circulator) shall not be blocked.

8) Means must be provided for removal of the insert to clean the chimney flue.

9) Inserts that project in front of the fireplace must be supplied with appropriate supporting means.

10) Installer must mechanically attach the supplied label to the inside of the firebox of the fireplace into which the insert is installed.

"**WARNING**: This fireplace has been converted for use with a wood insert only and cannot be used for burning wood or solid fuels unless all original parts have been replaced, and the fireplace re-approved by the authority having jurisdiction."

FIREPLACE SPECIFICATIONS

Your fireplace opening requires the following minimum sizes:

Height:	19-5/8" (499mm)
Width:	25" (635mm)
Depth:	
(w/ standard flue adaptor)	15-1/16" (383mm)
(w/ offset flue adaptor)	17-11/16" (449mm)

Faceplate Dimensions:

Height	27-1/4" (692mm)
Width	38-5/16" (973mm)

MASONRY AND FACTORY BUILT FIREPLACE CLEARANCES

The minimum required clearances to combustible materials when installed into a masonry or factory built fireplace are listed below.

Adjacent Side Wall (to side)	Mantel** (to Top)	Top Facing (to Side of Door)	Side Facing (to Side of Door)	Minimum Hearth Extension	Minimum Hearth Thickness*	Minimum Hearth Side Extension	From Top of Door
A	B	C	D	E	F	G	H
15" (381mm)	20"(508mm)	14" (356mm)	7-3/8" (187mm)	16" (406mm) [USA] 18" (457mm) [CAN]	1-1/2" (38mm)	6" (152mm) [USA] 8" (203mm) [CAN]	19" (483mm)

Side and Top facing is a maximum of 1.5" thick. Floor protection must non-combustible, insulative material with an R value of 1.1 or greater.

* If the hearth extension is flush with the floor (F) it must extend 19.5" in front of the body face (E).

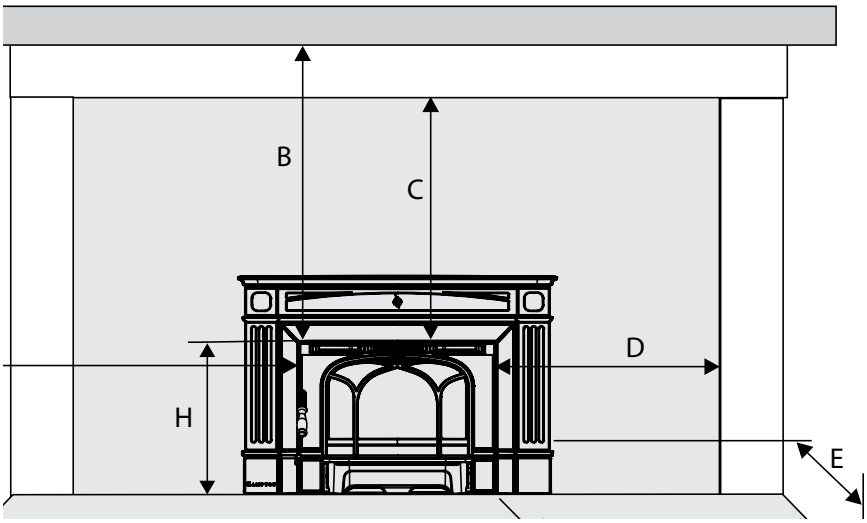
Note: Hearth Extension Width (G) is measured from edge of fuel door to side of hearth.

***** Mantel depth, maximum of 10" (254mm)**

** **A non-combustible mantel may be installed at a lower height if the framing is made of metal studs covered with a non-combustible board.**

Thermal floor protection is not required if the unit is raised 3.5" minimum (measured from the bottom of the stove). However, standard ember floor protection is required. It will need to be a non-combustible material that covers 16" (406 mm) in the US and 18" (450 mm) in Canada to the front of the unit and 8" (200 mm) to the sides.

If the unit is not raised, thermal floor protection required is 18" (450 mm) in the US and Canada.



Clearance diagram for installations

Floor Protection

Please check to ensure that your floor protection and hearth will meet the standards for clearance to combustibles. Your hearth extension must be made from a non-combustible material.

HOW TO DETERMINE IF ALTERNATE FLOOR PROTECTION MATERIALS ARE ACCEPTABLE

The specified floor protector should be 3/8" (18mm) thick material with a K - factor of 0.84.

The proposed alternative is 4" (100mm) brick with a C-factor of 1.25 over 1/8" (3mm) mineral board with a K-factor of 0.29.

Step (a):
Use formula above to convert specification to R-value.
R = 1/k x T = 1/0.84 x .75 = 0.893.

Step (b):
Calculate R of proposed system.
4" brick of C = 1.25, therefore
Rbrick = 1/C = 1/1.25 = 0.80
1/8" mineral board of k = 0.29, therefore
Rmin.bd. = 1/0.29 x 0.125 = 0.431
Total R = Rbrick + Rmineral board =
0.8 + 0.431 = 1.231.

Step (c):
Compare proposed system R of 1.231 to specified R of 0.893. Since proposed system R is greater than required, the system is acceptable.

DEFINITIONS

Thermal Conductance:

$$C = \frac{Btu}{(hr)(ft^2)(^oF)} = \frac{W}{(m^{2)})(K)}$$

Thermal Conductivity:

$$k = \frac{(Btu)(inch)}{(hr)(ft^3)(^oF)} = \frac{W}{(m)(K)} = \frac{Btu}{(hr)(ft)(^oF)}$$

Thermal Resistance:

$$R = \frac{(ft^2)(hr)(^oF)}{Btu} = \frac{(m^2)(K)}{W}$$

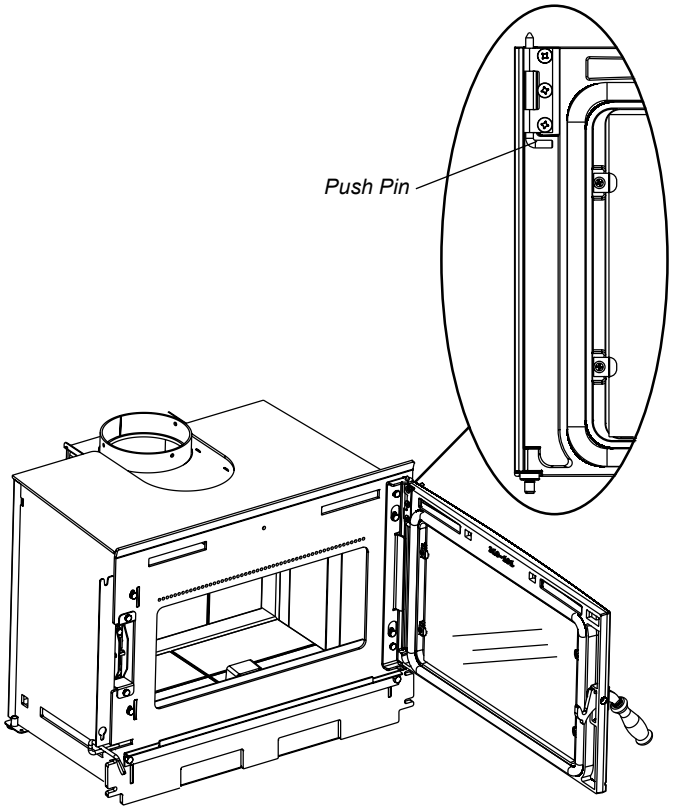
INSTALLING YOUR INSERT

STOP! PLEASE READ CAREFULLY.

CAST COMPONENTS ARE VERY FRAGILE. USE EXTREME CARE WHEN HANDLING.

Your insert is very heavy and will require two or three people to move it into position.

1) Remove the Door to make the insert easier to handle.
To remove the Door, open fully and release the push pin at the top of the door and lift out from the bottom.



2) **NOTE:** For Masonry installation make sure that the firebox is level with the hearth using non-combustible materials and no more than 1/2 to 1 inch of the leveling bolt.

3) Lift the unit up onto the Hearth and slide into the fireplace opening. Be sure to leave the unit out at least 3 to 4 inches in order to make the necessary flue connections and to install the fan and faceplate.

Be sure to protect your hearth extension during the installation, ie. with a heavy blanket.

NOTE: You will be required to purchase either the standard or offset 6" diameter (152mm) flue adaptor that is best suited for the specific installation.

List of Tools needed;
- Pull Rod (included with insert)
- 1/2" socket / ratchet
- 3/8 open face wrench

4) Install flex liner into existing chimney as per liner manufacturer's specifications. See diagram 1.

5) Install the required flue adaptor onto the end of the flex liner. Secure the adaptor using 3 screws - 1 on the front, left and right side as shown in diagram 2.

Alignment of the flue adaptor can be critical during the install, it is recommended that the flex liner be left as compressed as possible. Before inserting the unit the adaptor should hang, when level, slightly above the required height.

Diagram 1 *Flex Liner*

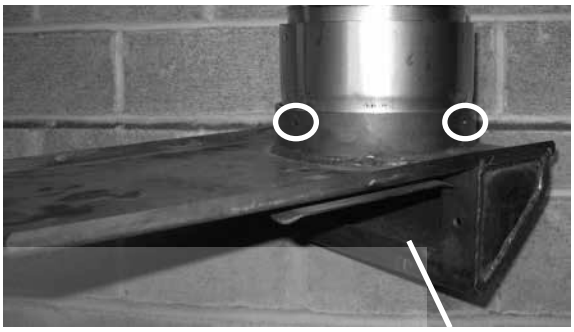


Diagram 2 *Flue Adaptor*

Secure adaptor using 3 screws - 1 in the front and 1 each on the left and right side.

6) Install the unit by first setting the rear of the unit into the fireplace. See diagram 3. Ensure that the unit is centered in the existing fireplace and lined up with the flue adaptor.

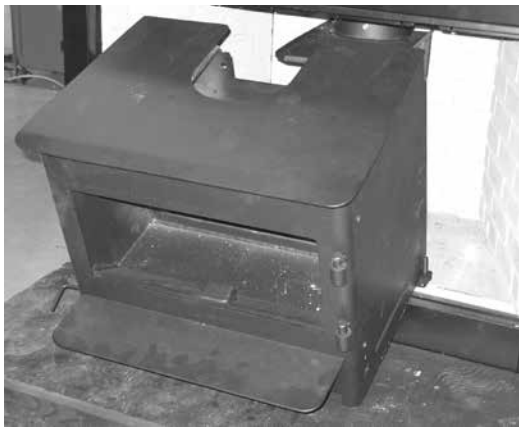


Diagram 3

7) Slide the unit back until the flue adaptor is slightly engaged.

8) At this point it is recommended to level the unit and ensure that the leveling bolts rest on the surface of the fireplace. This will keep the adaptor from binding as the unit is slid into position.

9) Insert the provided pull rod through the hole in the top center of the unit. Secure the threaded end into the flue adaptor as shown in diagram 4. While sliding the unit into place pull on the rod to ensure that the flue adaptor is properly engaged. See diagram 5.

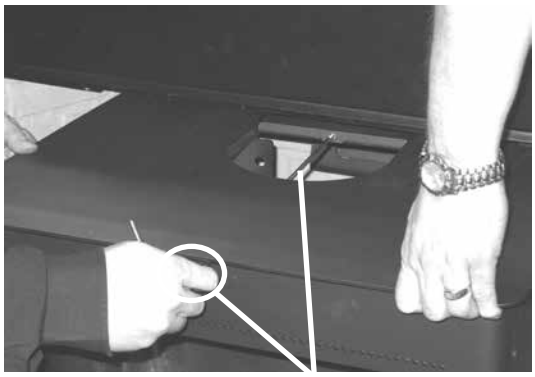


Diagram 4 *Pull Rod*

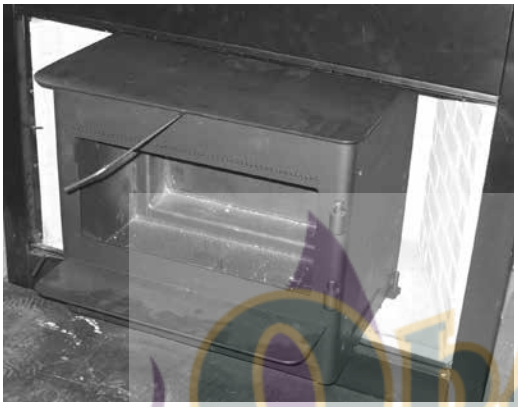


Diagram 5: *Pull Rod In Place*

10) Ensure that the unit is still level.

11) To complete the installation and to ensure a secure fit and connection of the flue adaptor to the insert, it is essential that the two bolts, flat washers and lock washers (supplied with packaged manual) be installed and tightened using a 1/2" socket as shown in diagram 6. This prevents the possibility of creosote drip and exhaust gas leakage.

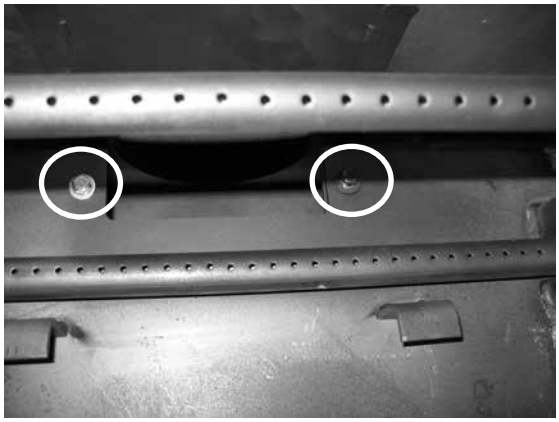
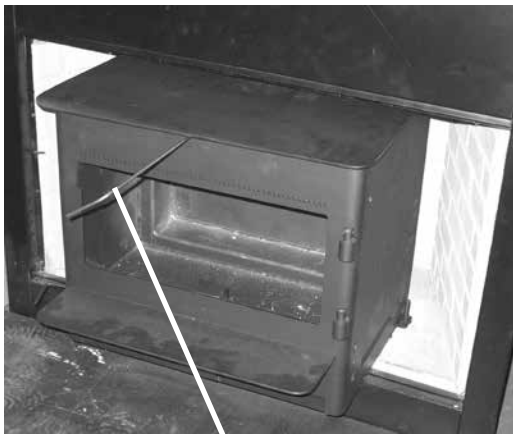


Diagram 6

12) Remove the pull rod from the top center of the fireplace. See diagram 7.



Pull Rod Diagram 7

NOTE: The pull rod should not be thrown away. It should be kept if the stove is ever needed to be removed from the fireplace.

INSTALLATION INTO A MASONRY FIREPLACE

When referencing installation or connection to masonry fireplaces or chimneys, the masonry construction must or shall be code complying.

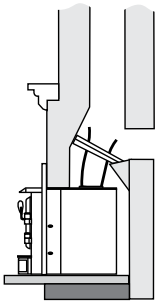
The insert must be installed as per the requirements of your local inspection authority. Three methods of flue connection are acceptable in most areas, these include:

1) Positive flue connection, where a large blocking plate and a short connector pipe is used.

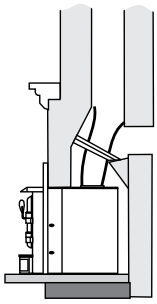
2) Direct flue connection, where a smaller blocking plate and a connector pipe to the first flue liner tile is used.

3) Full flue liner, where a stainless steel rigid or flexible liner pipe is routed from the insert outlet collar to the top of the chimney.

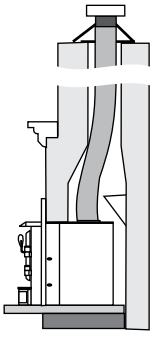
Hampton highly recommends the use of a full liner as the safest installation and provides the most optimum performance. Your retailer should be able to help you decide which system would be the best for your application.



1) Positive Flue Connection with Cleanout



2) Direct Flue Connection with Cleanout



3a) Full Flue Liner (No Cleanout Required)

In Canada this fireplace insert must be installed with a continuous chimney liner of 5.5" or 6" diameter extending from the fireplace insert to the top of the chimney. The chimney liner must conform to the Class 3 requirements of CAN/ULC-S635 or CAN/ULC-S640, Standard for Lining Systems for New Masonry Chimneys.

Note: A clean-out door is sometimes required, by your inspector, to be installed when either the Positive flue connection or Direct flue connection method is used.

The use of one of the connection methods listed on this page not only increases the safety of your insert by directing the hot gases up the flue, but will also help increase the unit's efficiency and decrease creosote deposits in the chimney.

When a connected flue or liner is in use, the insert is able to "breathe" better by allowing a greater draft to be created. The greater draft can decrease problems such as, difficult start-ups, smoking out the door, and dirty glass.

INSTALLATION INTO A FACTORY BUILT FIREPLACE

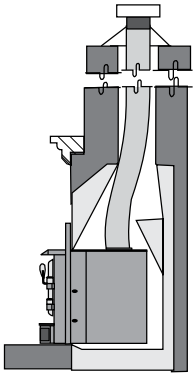
1) When installed in a factory built fireplace, a full stainless steel rigid or flexible flue liner is mandatory, for both safety and performance purposes. When a flue or liner is in use, the insert is able to breathe better by allowing a greater draft to be created. The greater draft can decrease problems such as, difficult start-ups, smoking out the door, and dirty glass.

2) In order to position the flue liner, the existing rain cap must be removed from your chimney system. In most cases the flue damper should also be removed to allow passage of the liner.

3) In most cases opening the existing spark screens fully should give enough room for the insert installation. If it does not, remove and store.

4) If the floor of your fireplace is below the level of the fireplace opening, adjust the insert's levelling bolts to accommodate the difference. When additional shimming is required, use non-combustible masonry or steel shims.

5) Measure approximately the alignment of the flue liner with the position of the smoke outlet hole on the insert to check for possible offset. If an offset is required, use the appropriate offset adaptor in your installation.



6) Once the above items have been checked, slide your insert into position after first positioning and securing the flue liner to the offset adaptor.

Attach the rod to the adaptor and slide the adaptor onto the unit as the unit is slid into position. Ensure a positive connection.

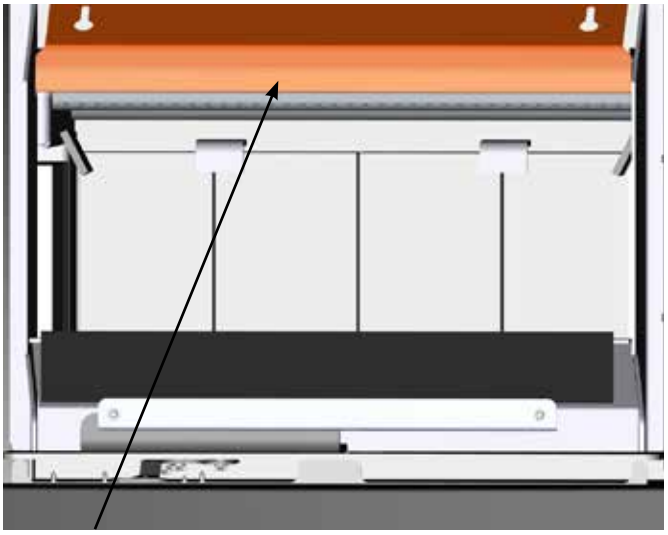
Secure the adaptor to the unit by using 2 bolts, flat washers, lock washers and one screw in the front.

Re-install raincap at completion of installation.

Draft is the force which moves air from the appliance up through the chimney. The amount of draft in your chimney depends on the length of the chimney, local geography, nearby obstructions and other factors. Too much draft may cause excessive temperatures in the appliance and may cause damage. An uncontrollable burn or excessive temperature indicates excessive draft. Inadequate draft may cause back puffing into the room and plugging of the chimney. Inadequate draft will cause the appliance to leak smoke into the room through appliance and chimney connector joints. Ensure the heater is installed in areas that are not too close to neighbors or in valleys that would cause unhealthy air quality or nuisance conditions.

STAINLESS STEEL SMOKE DEFLECTOR ADJUSTMENT / REPLACEMENT

The stainless smoke deflector is located in the upper front area of the firebox. The deflector is held in place with 2 bolts Prior to the first fire, ensure deflector is seated properly and secured with 2 hand tightened bolts.



Smoke deflector

Smoke deflector is installed through the door opening in location shown in diagram

Ensure defector is seated so bolts are situated at the top of the keyhole before tightening.

To replace the deflector, loosen off both bolts and slide defector upward and out. Install new defector and hand tighten bolts. Ensure positive location of the defector prior to hand tightening.

WARNING: Operation of the unit with out proper installation of smoke deflector will void warranty.

FAN & CAST FACEPLATE INSTALLATION

Stop! Read Carefully.
Enamel & Cast components are very fragile. Use extreme care when handling.

Note: The liner and flue adaptor should be installed prior to reading these instructions.

1) With door already removed - place fan in front of unit as shown below, Loosen 2 flange bolts - adjust flange to rest on fan assembly, once height has been determined .
Leave 2" between fan and unit, tighten 2 flange bolts using 7/16" open end wrench.
Fan assembly can now be secured to the unit using 2 bolts on both left and right side - see Diagrams 1 & 2.

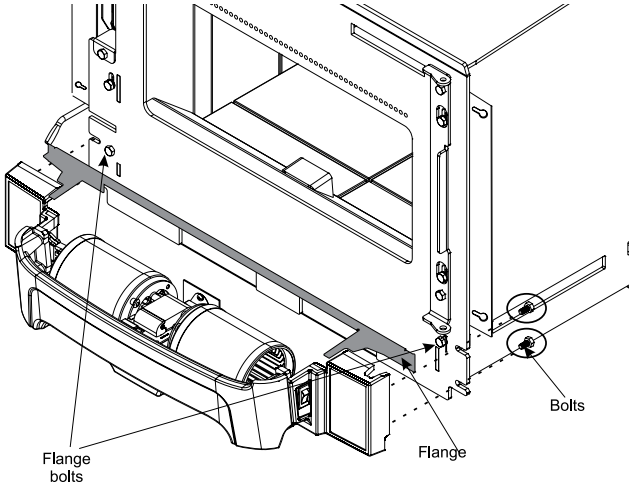


Diagram 1

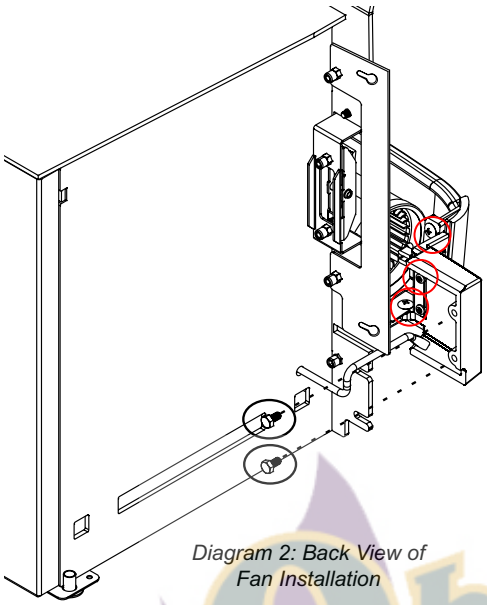


Diagram 2: Back View of Fan Installation

Note: If screws do not lineup, loosen the 2 screws per side as shown in Diagram 2 and adjust left side and right side facia. Tighten the 2 screws per side and install the fan on the unit.

2) Slide the unit into position leaving partially out to allow for installation of the left and right side surrounds.

3) Install the left and right side surround to the mounting brackets on the unit using 2 bolts per side. See Diagram 3.

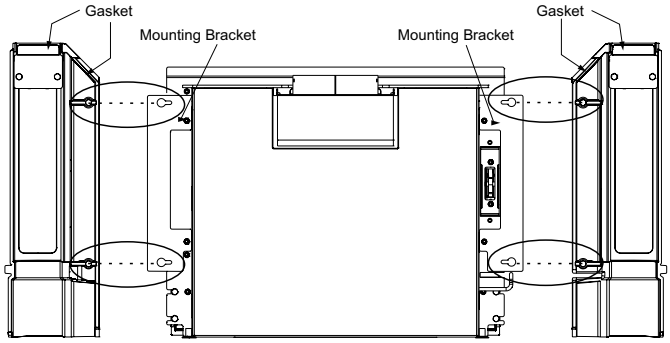


Diagram 3

4) Place a strip of gasket on top of the left and right side surround on the front lip of the side castings. See Diagram 3.

5) Carefully slide the top surround in place by aligning the mounting plates with the two retainers in the left and right side surrounds. See Diagram 4.

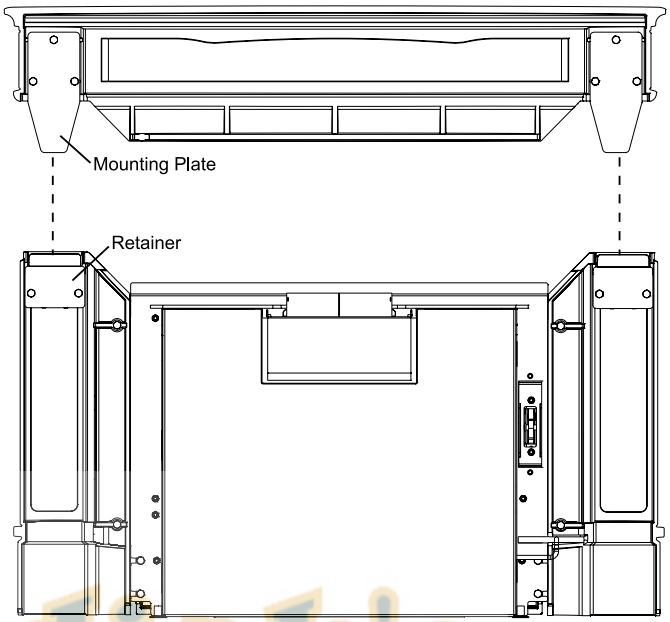


Diagram 4

6) Place ashlip over fan by fitting it onto the flange on the firebox. See Diagram 5 and 6.

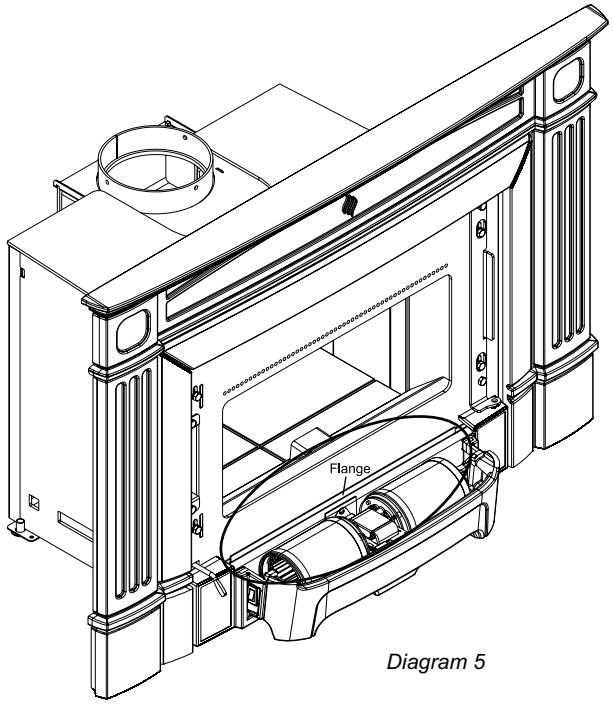


Diagram 5

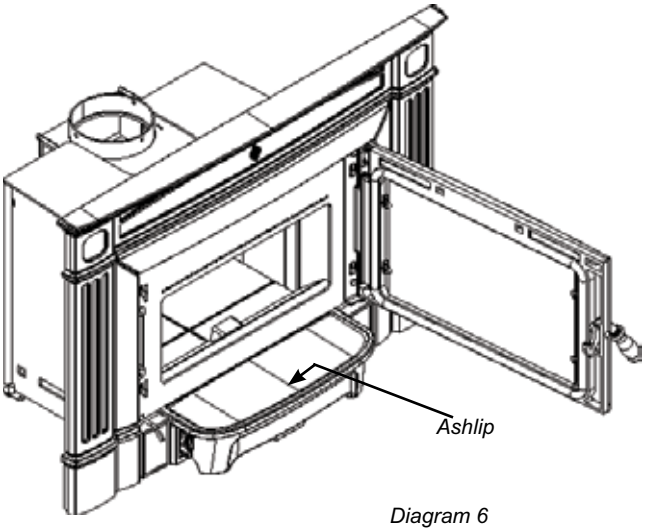


Diagram 6

7) Install door and close with caution - adjustments may be necessary.

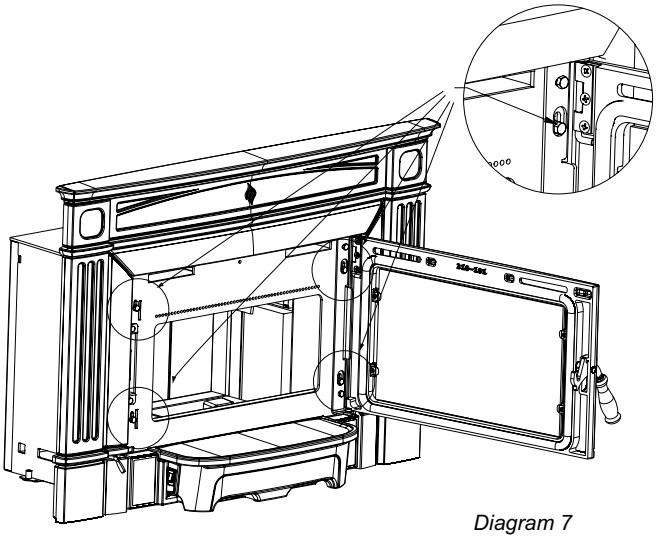


Diagram 7

8) Surround adjustments can be made up or down, loosen 4 bolts shown on face of unit (Diagram 7) and adjust.
Surround can also be adjusted left or right, loosen 4 bolts shown in Diagram 3 - adjust surround left or right and retighten bolts.
Check that gaps around door are even and door closes properly.

9) Completely slide unit into place - after all adjustments have been made.

DO NOT ROUTE THE FAN POWER CORD UNDER OR IN FRONT OF THE UNIT.

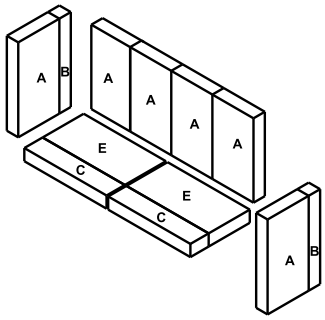
Do not turn the fan ON until your insert has reached operating temperature or at least 30 minutes after starting fire.

Installer: Please record unit serial number here before installing blower.

Serial No._____

FIREBRICK ASSEMBLY

Firebrick is included to extend the life of your insert and radiate heat more evenly. Check to see that all firebricks are in their correct positions and have not become misaligned during shipping.

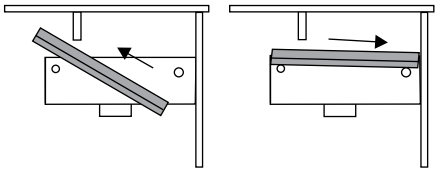


BRICK FLUE BAFFLE & SECONDARY AIR TUBE INSTALLATION

The flue baffle system located in the upper area of the firebox is removable to make cleaning your chimney system easier. The brick baffles must be installed prior to your first fire. **Smoke spillage and draft problems may occur if the baffles are improperly positioned.** Check the position of the brick baffles on a regular basis as they can be dislodged if too much fuel is forced into the firebox.

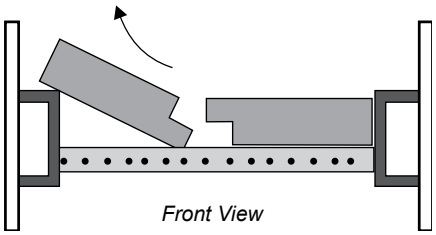
1) If the two air tubes are installed continue on to Step 2), if not, follow the instructions below. Install the air tube into the holes in the side channels. The notch goes on the right hand side with the air holes facing toward the door. Slide the tube into the left hand side, as far as possible and then bring it back into the hole on the right hand side until it locks into position. If the tube will not slide in easily simply use a pair of vise grips or pliers and tap it into place with a hammer. A tighter fit will ensure the tube will not move when the unit is burning.

2) Slide the left baffle brick over the front air tube and then slide it back over the rear air tube.



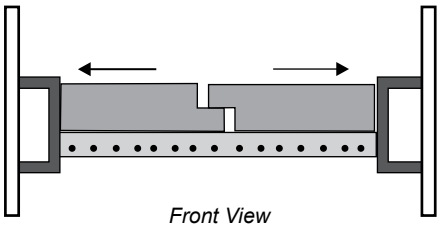
Side View

3) Tilt the left baffle brick up on top of the side channel and it will leave enough room to position the right baffle brick in the same manner as Step 1) above. Then reposition the left baffle brick flat on the air tube.



Front View

4) Important: push both baffle bricks so they are tight against the side walls and to the back.

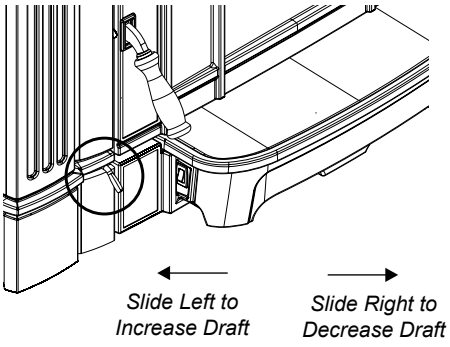


Front View

Note: When getting the chimney cleaned, remove the baffle bricks for access to the flue, then replace them when cleaning is completed.

DRAFT CONTROL

Before establishing your first fire, it is important that you fully understand the operation of draft control. The draft control rod is on the left side of the Insert and it controls the intensity of the fire by increasing or decreasing the amount of air allowed into the firebox. To increase the draft, slide the rod to the left and to decrease the draft, slide the rod to the right.



Slide Left to Increase Draft *Slide Right to Decrease Draft*

As well as a primary and glass wash air system, the unit has a full secondary draft system that allows air to the induction ports at the top of the firebox, just below the flue baffle.

WARNING: To build a fire in ignorance or to disregard the information contained in this section can cause serious permanent damage to the unit and void your warranty.

SEASONED WOOD

Whether you burn wood in a fireplace, stove or insert, good quality firewood is the key to convenience, efficiency and safety. Wet wood and pieces that are not the right size and shape for your wood burner can be frustrating, burn inefficiently and deposit creosote that can fuel a dangerous chimney fire. Good planning, seasoning and storage of the firewood supply are essential to successful wood burning.

- Stack the wood in separate rows in an open location where the summer sun can warm it and breezes can carry away the moisture. Do not stack unseasoned wood tightly in an unvented storage area.
- Do not allow firewood to lie on the ground for more than a couple of days before stacking. Mould and rot can set in quickly.
- Stack the wood up off the ground on poles, lumber rails or pallets.
- The top of the pile can be covered to keep off rain, but do not cover the sides.

Softer woods like pine, spruce and poplar/aspen that is cut, split and stacked properly in the early spring maybe be ready for burning in the fall. Extremely hard woods like oak and maple, and large pieces of firewood, may take a minimum of a full year to dry enough. Drying may also take longer in damp climates

There are a few ways to tell if wood is dry enough to burn efficiently. Use as many indicators as possible to judge the dryness of the firewood your are considering. Here are ways to judge firewood moisture.

- Using a moisture meter, select the species of fuel and then penetrate the pins into a split piece. Ideal moisture and seasoned firewood should be less than 20% moisture content.
- Checks or cracks in the end grain can be an indication of dryness, but may not be a reliable indicator. Some wet wood has checks and some dry wood has no checks.
- The wood tends to darken from white or cream colour to grey or yellow as it dries.
- Two dry pieces banged together sound hollow; wet pieces sound solid and dull.
- Dry wood weighs much less than wet wood.
- Split a piece of wood. If the exposed surface feels damp, the wood is too wet to burn.

FIRST FIRE

When your installation is completed and inspected, you are ready for your first fire.

1) Open draft control fully.

2) Open firebox door and build a small fire using paper and dry kindling, wait a few minutes for a good updraft in the flue to establish the fire. Leaving the door slightly open will help your fire start more rapidly.

CAUTION: Never leave unit unattended if door is left open. This procedure is for fire start-up only, as unit may over-heat if door is left open for too long.

3) With the draft still in the fully open position, add two or three seasoned logs to your fire. Form a trench in the ash bed to allow air to reach the rear of the firebox prior to closing the door.

4) After about 15 to 20 minutes, when your wood has begun to burn strongly, adjust your draft control down to keep the fire at a moderate level.

WARNING: Never build a roaring fire in a cold stove. Always warm your stove up slowly!

5) Once a bed of coals has been established, you may adjust the draft control to a low setting to operate the unit in its most efficient mode.

6) During the first couple of hours, keep the combustion rate at a moderate level and avoid a large fire until the paint is cured. Only then can you operate the insert at its maximum setting, and only after the metal has been warmed.

7) For the first few hours, the insert will give off an odour from the paint. This is to be expected as the high temperature paint becomes seasoned. Windows and/or doors should be left open to provide adequate ventilation while this temporary condition exists. Burning the insert at a very high temperature the first few times may damage the paint. Burn fires at a moderate level the first few days.

8) Do not place anything on the insert top during the curing process. This may result in damage to your paint finish.

9) During the first few hours it may be more difficult to start the fire. As you dry out your fire brick and your masonry flue (if applicable), your draft will increase.

10) For those units installed at higher elevations or into sub-standard masonry fireplaces, drafting problems may occur. Consult an experienced dealer or mason on methods of increasing your draft.

11) Some cracking and popping noises may be experienced during the heating up process. These noises will be minimal when your unit reaches temperature.

12) Before opening your door to reload, open draft fully for approximately 10 to 15 seconds until fire has been re-established. This will minimize any smoking.

13) All fuel burning appliances consume oxygen during operation. It is important that you supply a source of fresh air to your unit while burning. A slightly opened window is sufficient for this purpose.

CAUTION: If the body of your unit starts to glow you are overfiring. Stop loading fuel immediately and close the draft control until the glow has completely subsided.

14) Green or wet wood is not recommended for your unit. If you must add wet or green fuel, open the draft control fully until all moisture has been dispersed by the intense fire. Once all moisture has been removed, the draft control may be adjusted to maintain the fire.

15) If you have been burning your insert on a low draft, use caution when opening the door. After opening the damper, open the door a crack, and allow the fire to adjust before fully opening the door.

16) The controls of your unit should not be altered to increase firing for any reason.

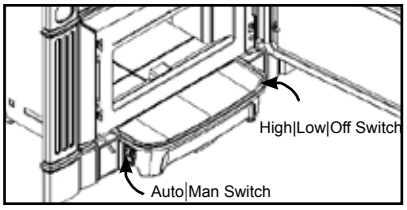
How to Light & Maintain a Wood Stove Fire

FAN OPERATION

The fan is to be operated only with the draft control rod **pulled out at least 1/2" from the fully closed position.** The fan is not to be operated when the draft control rod is in the closed position (pushed in). The fully closed position is the low burn setting.

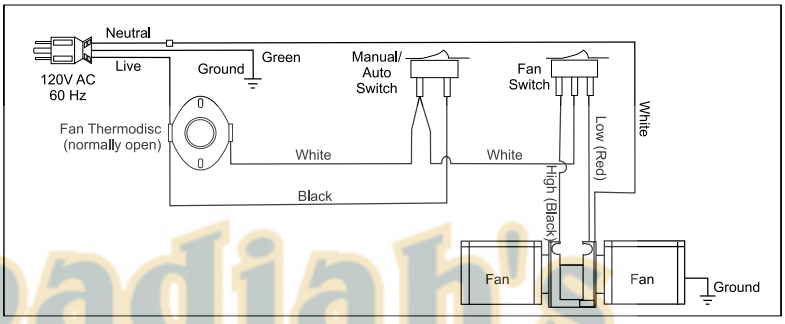
The fan must not be turned on until a fire has been burning for at least 30 minutes. Also note it is recommended that the fan be turned off before each fuel loading and again wait for 30 minutes before the fan is turned on again. This is too allow the stove to reach it's optimum temperature.

To operate fan automatically, push switch on the right side of fan housing to "Auto" and second switch, on the left to either "High" or "Low" for fan speed. The automatic temperature sensor will engage the blower when the unit is at temperature and will shut off the blower once the fire has gone out and the unit has cooled to below a useful heat output range.



Fan Control Location

To manually operate the fan system, push the switch on the left to "Man" and switch on the right to either "high" or "Low". This will bypass the sensing device and allow full control of the fan. Switching from "Auto" to "Manual" or "High" to "Low" may be done at any time.



Fan Wiring Diagram

ASH DISPOSAL

During constant use, ashes should be removed every few days. Please take care to prevent the build-up of ash around the start-up air housing located inside the firebox, under the loading door lip.

DO NOT ALLOW ASHES TO BUILD UP TO THE LOADING DOORS.

Only remove ashes when the fire has died down. Even then, expect to find a few hot embers. Always leave 1 to 2 inches of ash in the bottom of the firebox. This helps in easier starting and a more uniform burn of your fire.

Ashes should be placed in a metal container with a tight fitting lid. The closed container of ashes should be placed on a noncombustible floor or on the ground, well away from all combustible materials, pending final disposal. 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. Other waste should not be placed in the ash container.

SOME SAFETY GUIDELINES

1) Never use gasoline, gasoline type lantern fuels, kerosene, charcoal lighter fuel, or similar liquids or chemicals to start or 'freshen up' a fire in your insert. Keep all such liquids well away from the heater while it is in use.

2) Never use alternate fuels such as charcoal that have the possibility of generating carbon monoxide.

3) Keep the door closed during operation and maintain all seals in good condition.

4) Do not burn large quantities of paper in your insert.

5) Do not burn garbage or flammable fluids.

6) If you have smoke detectors, prevent smoke spillage as this may set off a false alarm.

7) **Do not overfire your insert**. Attempts to achieve heat output rates that exceed heater design specifications can result in permanent damage to the heater. If the insert or its flue baffle begin to glow, you are overfiring. Stop adding fuel and close the draft control. Overfiring can cause extensive damage to your stove including warpage and premature steel corrosion. Overfiring will void your warranty.

8) Do not permit creosote or soot buildup in the chimney system. Check and clean chimney at regular intervals.

9) Your Hampton Insert can be very hot. You may be seriously burned if you touch the insert while it is operating. Warn children of the burn hazard. Keep furniture and clothing away.

10) The insert consumes air while operating, provide adequate ventilation with an air duct or open a window while the insert is in use.

11) Do not use grates, irons or other methods for supporting fuel. Burn directly on the bricks.

12) Open the draft control fully for 10 to 15 seconds prior to slowly opening the door when refuelling the fire.

13) Do not connect your unit to any air distribution duct.

14) Your insert should burn dry, standard firewood only. The use of "mill ends" is discouraged as this fuel can easily overheat your insert. Evidence of excessive overheating will void your warranty. As well, a large portion of sawmill waste is chemically treated lumber, which is illegal to burn in many areas. Chemically treated fire logs also must not be burned in your insert.

15) Do not store any fuel closer than 2 feet from your unit.

16) Do not burn salt drift wood as it will corrode your unit and void the warranty.

17) Do not strike or slam the glass door shut as this may cause the glass to break.

18) Do not operate the unit if the glass is broken or missing. Do not operate the unit if the gasketing is worn out and not sealing the door or the glass.

It is very important to carefully maintain your insert, including burning seasoned wood and maintaining a clean stove and chimney system. Have the chimney cleaned before the burning season and as necessary during the season, as creosote deposits may build up rapidly. Moving parts of your insert require no lubrication.

CREOSOTE

When wood is burned slowly, it produces tar and other organic vapors, which form creosote when combined with moisture. The creosote vapors condense in the relatively cool chimney flue of a slow-burning fire. As a result, creosote residue accumulates on the flue lining. When ignited, this creosote can make an extremely hot fire.

Removal for Cleaning etc.

Removal of your insert for cleaning purposes is usually not required if a proper installation has been done. In the event that removal is required, be sure not to damage any parts needed for re-installation. In most cases removal and replacement of the baffle system should allow full access for cleaning.

WARNING: Things to remember in case of chimney fire:
1) Close draft control
2) Call the Fire Department

Ways to Prevent and Keep Unit Free of Creosote

1) Burn insert with draft control wide open for about 15 minutes every morning during burning season. This helps to prevent creosote deposits within the heating system.

2) Burn insert with draft control wide open for about 10 - 15 minutes every time you add fresh wood. This allows the wood to achieve the charcoal stage faster and burns up any wood vapors which might otherwise be deposited within the system.

3) **Only burn seasoned wood!** Avoid burning wet or green wood. Seasoned wood has been dried at least one year.

4) A small hot fire is preferable to a large smouldering one that can deposit creosote within the system.

5) Check the chimney at least twice a month during the burning season for creosote build-up.

6) Have chimney system and unit cleaned by competent chimney sweeps twice a year during the first year of use and at least once a year thereafter or when needed.

DOOR GASKET

If the door gasket requires replacement, 7/8" diameter material must be used. A proper high temperature gasket adhesive is required. A gasket repair kit, Part # 846-570 is available from your local Hampton dealer.

GLASS CLEANING

Only clean your glass window when it is cool. Your local retailer can supply you with special glass cleaner if plain water and a soft cloth does not remove all deposits.

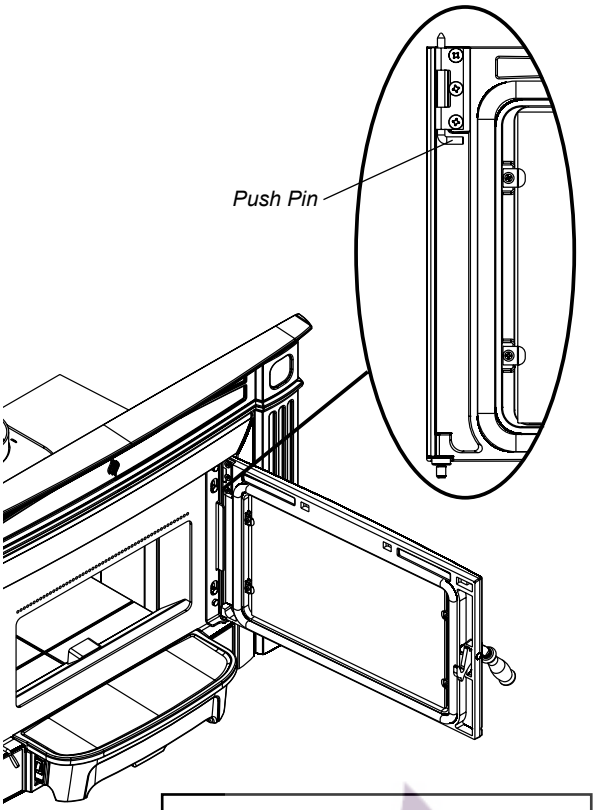
DOOR REMOVAL

When handling enamel parts, please handle with care as they can be damaged.

1) Open door fully.

2) Release the push pin at the top of the door and slide out while lifting up and out from the bottom.

Please be careful when removing the Door and do not drop onto the Ashlip, it may chip.



DOOR INSTALLATION NOTE
After re-installing the door, carefully swing open and check the clearance to the Right Hand Cast Side. If tight or rubbing, loosen the 7/16 nuts and adjust the clearance and then re-tighten.

GLASS REPLACEMENT

1) Remove door from unit.

2) To replace the glass remove the 4 screws highlighted in the diagram below.

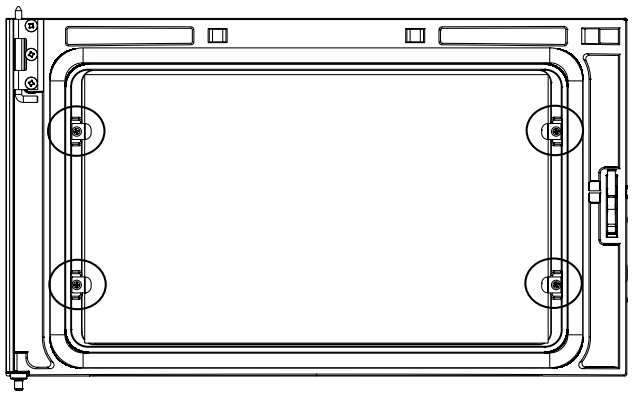
3) Lift off the glass retainer and carefully remove the glass.

4) Place new glass in the door, make sure that the glass gasketing will properly seal your unit.

5) Re-install the glass retainer. Ensure that it rests on the gasket and not the glass.

6) Secure glass retainer using the 4 screws. Do not wrench down on the glass as this may cause the glass to break.

7) Place door back on unit.



Remove 4 screws.

Avoid impact on glass doors such as striking or slamming shut.

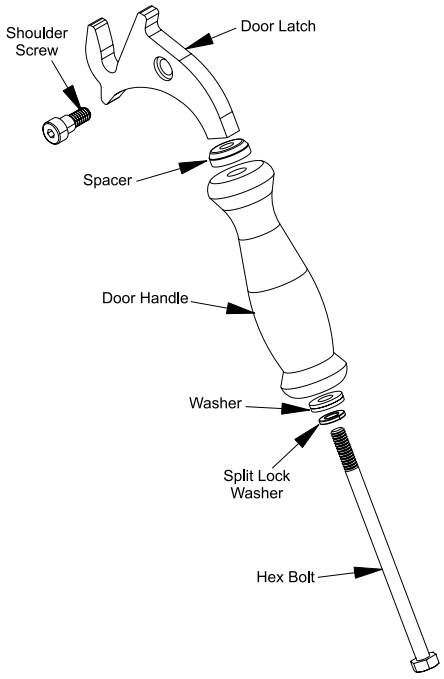
Cleaning & Maintaining Your Wood Stove

HANDLE REPLACEMENT

1) Remove handle by undoing the hex head bolt using a 7/16" socket wrench.

2) Fit new door handle over door latch and secure.

Assemble handle by:
a) Placing lock washer and split lock washer over hex head bolt.
b) Place hex head bolt into handle.
c) Place spacer over hex head bolt threads.
d) Screw handle into door latch.



LATCH ADJUSTMENT

The door latch may require adjustment as the door gasket material compresses over time. Removal of spacers will allow the latch to be moved closer to the door frame, causing a tighter seal.

1) Remove the Latch Assembly from the unit by undoing the 2 outer hex bolts.

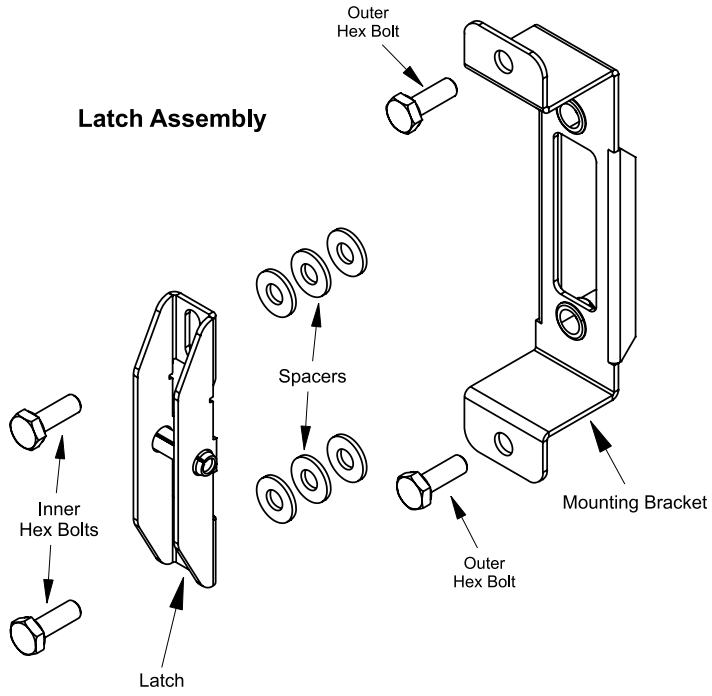
2) Remove the Latch from the Mounting Bracket by undoing the 2 inner hex bolts.

3) Remove the necessary amount of spacers sitting on the Mounting Bracket. Ensure an equal amount of spacers are removed from both top and bottom.

4) Re-secure the Latch to the Mounting Bracket using 2 inner hex bolts.

5) Re-secure the Latch Assembly to the unit using the 2 outer hex bolts.

Latch Assembly

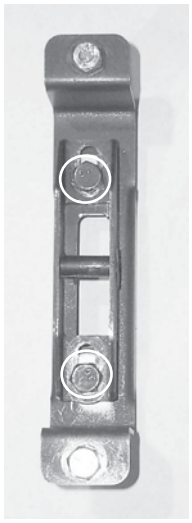


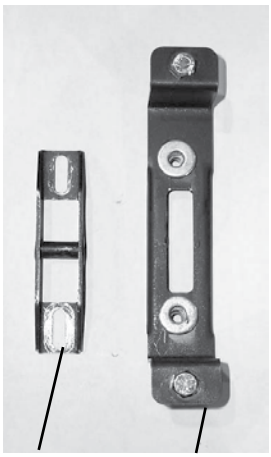
Cleaning & Maintaining Your Wood Stove

LATCH ADJUSTMENT

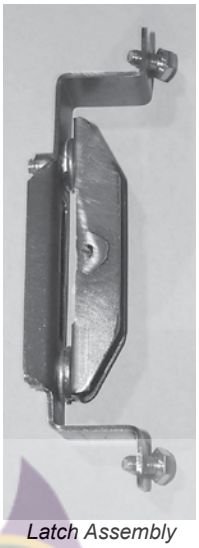
The door latch or door alignment may require adjustment as the door gasket material compresses after a few fires. Removal of spacers will allow the latch to be moved closer to the door frame, causing a tighter seal and the ability to raise or lower the latch assembly.

1) Raise or lower the latch by undoing the inner 2 bolts. Adjust to desired location and retighten the 2 bolts, make sure the door catch closes freely and makes a good seal. Do a paper test to confirm seal.



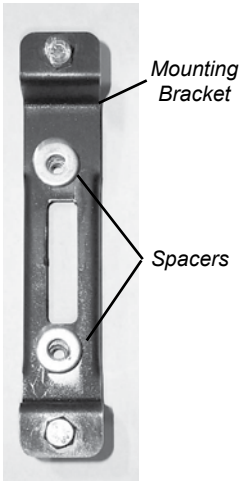


2) For Door Gasket Seal, remove the Latch Assembly from the unit by undoing the outer 2 bolts.

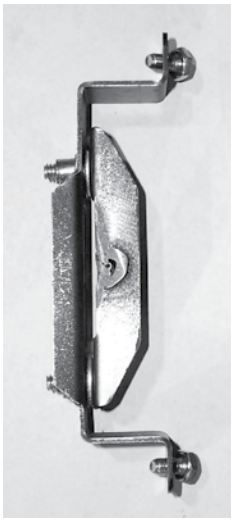


Latch Assembly removed from unit.

3) Remove necessary amount of spacers sitting on the Mounting Bracket.
Ensure an equal amount of spacers are removed from both top and bottom.



4) Re-secure Latch to Mounting Bracket using 2 bolts



Latch Assembly re-assembled with spacers removed.

5) Re-secure the Latch Assembly to the unit using 2 bolts. Confirm proper location of the door catch so that it closes tight, freely.

Cleaning & Maintaining Your Wood Stove

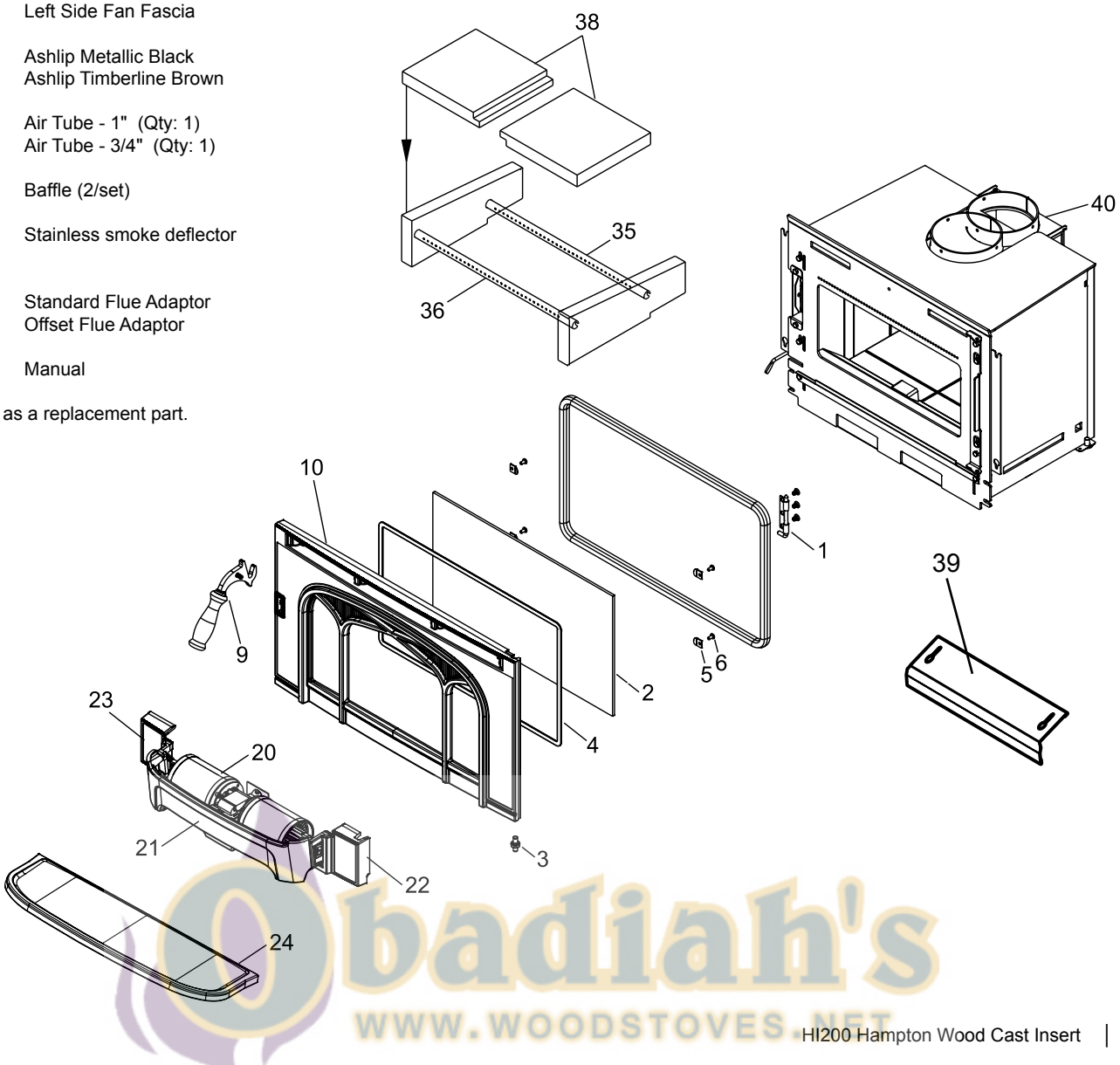
Annual Maintenance	
Completely clean out entire unit	Annually
Inspect air tubes, baffles and bricks	Replace any damaged parts.
Adjust door catch / latch	If unable to obtain a tight seal on the door - replace door gasket seal. Readjust latch after new gasket installed.
Inspect condition and seal of: Glass Gasket Door Gasket	 Perform paper test - replace gasket if required
Paper Test	Test the seal on the loading door with a paper bill. Place a paper bill in the gasketed area of the door on a cold stove–close the door. Try to remove the paper by pulling. The paper should not pull out easily, if it does, try adjusting the door latch, if that doesn't solve the problem replace the door gasket.
Check and lubricate door hinge + latch	Use only high temperature anti seize lube. (ie. never seize)
Check glass for cracks	Replace if required.
Clean blower motor	Disconnect power supply. Remove and clean blower. ***DO NOT LUBRICATE***
Inspect and clean chimney	Annual professional chimney cleaning recommended.

Cleaning & Maintaining Your Wood Stove

MAIN ASSEMBLY

	Part #	Description
1)	948-163	Cane Bolt Latch
2)	940-356/P	Glass - Replacement
3)	948-467	Hinge Pin Lower
4)	936-238	Adhesive Tape Gasket
5)	210-554	Glass Retainer Clips / Screws (set of 4)
6)	*	Screws - 10-24 x 3/8"
9)	210-550	Door Handle Assembly
10)	210-561	Door Assembly Metallic Black (no glass)
	210-565	Door Assembly Timberline Brown (no glass)
	846-570	Med. Density Door Gasket Kit
20)	210-911	Fan / Blower Assembly (Metallic Black)
	210-915	Fan / Blower Assembly (Timberline Brown)
	910-157/P	Blower/Fan Motor
	910-684	Power Cord (120 Volts)
	910-142	Fan Thermodisc
	910-140	Fan Speed Switch - HI/OFF/LOW (3-way)
	910-138	Switch - Auto/Manual (2-way)
21)	*	Front Fan Fascia
22)	*	Right Side Fan Fascia
23)	*	Left Side Fan Fascia
24)	210-111	Ashlip Metallic Black
	210-115	Ashlip Timberline Brown
35)	074-954	Air Tube - 1" (Qty: 1)
36)	033-953	Air Tube - 3/4" (Qty: 1)
38)	073-955	Baffle (2/set)
39)	820-483	Stainless smoke deflector
40)	171-932	Standard Flue Adaptor
	171-936	Offset Flue Adaptor
	919-555	Manual

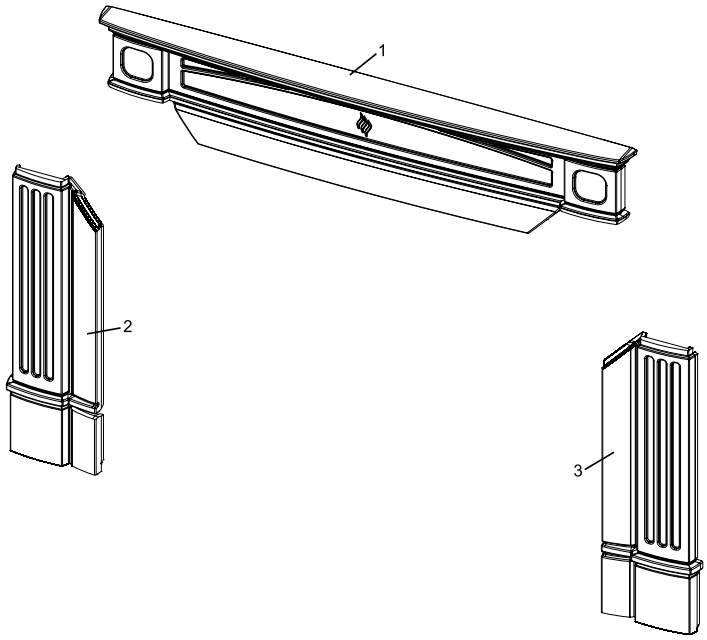
*Not available as a replacement part.



CAST FACEPLATE

	Part #	Description
	210-921	Metallic Black Faceplate
	210-925	Timberline Brown Faceplate
1)	*	Top Surround
2)	*	Left Side Surround
3)	*	Right Side Faceplate

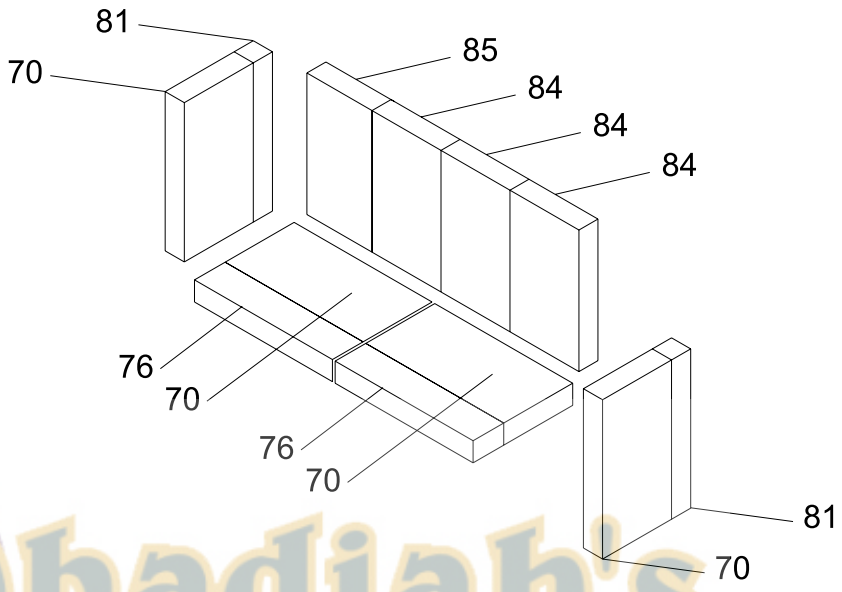
* Not available as a replacement part.



FIREBRICK

	Part #	Description
	170-960	Complete Brick Set
70)	*	Brick Regular Full Size: 1-1/4" x 4-1/2" x 9"
76)	*	Brick Partial: 1-1/4" x 2" x 9"
81)	*	Brick Partial: 1-1/4" x 1-1/4" x 9"
84)	*	Brick Partial: 1-1/4" x 4-1/2" x 8"
85)	*	Brick Partial: 1-1/4" x 4-1/4" x 8"

*Not available as a replacement part.



Hampton Fireplace Products are designed with reliability and simplicity in mind. In addition, our internal Quality Assurance Team carefully inspects each unit thoroughly before it leaves our facility. FPI Fireplace Products International Ltd. is pleased to extend this limited lifetime warranty to the original purchaser of a Hampton Product. This warranty is not transferable.

The Warranty: Limited Lifetime
H200 / H300: Firebox castings on all Hampton Wood burning Appliances are covered against manufacturer defects for a period of three (3) years parts and subsidized labour* and a further two (2) years, parts only. Stainless steel baffles are covered against manufacturer defects for a period of three (3) years parts and subsidized labour* and parts only thereafter.

HI300: Steel fireboxes to be free from defects in materials and workmanship, also covered are vermiculite baffles and air tubes (against warpage) against manufacturer's defects for a period of 3 years parts and subsidized labor and parts only thereafter.

External casting, not directly in contact with the fire, such as hobs, sides, side shelves, ash lips, legs, fronts, fire doors and surrounds are covered against cracks and warps resulting from manufacturer defects, parts and subsidized labour* for three (3) years from the date of purchase and parts only thereafter.

Glass is covered for lifetime against thermal breakage only, parts and subsidized labour* for three (3) years and parts only thereafter from date of purchase.

Blowers and electrical are covered against manufacturer defect for two years parts and one year subsidized labour* from date of purchase. Replacement blowers are considered repairs and continue as if new with appliance. ie. twelve (12) months from original purchase date of appliance with a minimum of three (3) months coverage from date of replacement.

Repair/replacement parts purchased by the consumer from FPI after the original coverage has expired on the unit will carry a 90 day warranty, valid with a receipt only. Any item shown to be defective will be repaired or replaced at our discretion. No labor coverage is included with these parts.

Conditions:
Porcelain/Enamel - Absolute perfection is neither guaranteed nor commercially possible. Any chips must be reported and inspected by an authorized dealer within three days of installation. Reported damage after this time will be subject to rejection.

Any part or parts of this unit which in our judgement show evidence of such defects will be repaired or replaced at FPI's option, through an accredited distributor or agent provided that the defective part be returned to the distributor or agent **Transportation Prepaid,** if requested.

It is the general practice of FPI to charge for larger, higher priced replacement parts and issue credit once the replaced component has been returned to FPI and evaluated for manufacturer defect.

The authorized selling dealer is responsible for all in-field service work carried out on your Hampton product. FPI will not be liable for results or costs of workmanship from unauthorized service persons or dealers.

At all times FPI reserves the right to inspect product in the field which is claimed to be defective.

Exclusions:
This limited Lifetime Warranty does not extend to or include paint (charcoal units), porcelain (including pinholes, scratches and minor shade mismatch), door or glass gasketing or trim.

At no time will FPI be liable for any consequential damages which exceed the purchase price of the unit. FPI has no obligation to enhance or modify any unit once manufactured. ie. as products evolve, field modifications or upgrades will not be performed.

FPI will not be liable for travel costs for service work.

Installation and environmental problems are not the responsibility of the manufacturer and therefore are not covered under the terms of this warranty policy.

Refractory liners (firebrick), gaskets, door handles, paint are not covered under the terms of this warranty policy.

Any unit which shows signs of neglect or misuse is not covered under the terms of this warranty policy.

The warranty will not extend to any part which has been tampered with or altered in any way, or in our judgment has been subject to misuse, improper installation, negligence or accident, spillage or downdrafts caused by environmental or geographical conditions, inadequate ventilation, excessive offsets, negative air pressure caused by mechanical systems such as furnaces, fans, clothes dryer, etc.

Freight damage to stoves and replacement parts is not covered by warranty and is subject to a claim against the freight carrier by the dealer.

FPI will not be liable for acts of God, or acts of terrorism, which cause malfunction of the appliance.

Performance problems due to operator error will not be covered by this warranty policy.

** Subsidy according to job scale as predetermined by FPI.*

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Reasons to register your product online today!

- View and modify a list of all your registered products.
- Request automatic email notification of new product updates.
- Stay informed about the current promotions, events, and special offers on related products.

Installer: Please complete the following information

Dealer Name & Address:_____

_____

Installer: _____

Phone #: _____

Date Installed: _____

Serial No.:_____

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