



Installation and Operation Instructions

Superior™ Indoor Wood Burning Fireplace

P/N 126601-01 Rev. A 02/2014



P126601-01



Models

WRT4536RS	WRT4542RS	WRT4550RS
WRT4536RH	WRT4542RH	WRT4550RH
WRT4536WS	WRT4542WS	WRT4550WS
WRT4536WH	WRT4542WH	WRT4550WH

SAVE THIS BOOK

This book is valuable. In addition to instructing you on how to install and maintain your appliance, it also contains information that will enable you to obtain replacement parts or accessory items when needed. Keep it with your other important papers.

INSTALLER: Leave this manual with the appliance.

Installateur : Laissez cette notice avec l'appareil.

CONSUMER: Retain this manual for future reference.

Consommateur : Conservez cette notice pour consultation ultérieure.

This wood burning fireplace complies with UL127 CAN/ULC-S610-M87 standard as a FACTORY BUILT FIREPLACE.

Ce foyer au bois est conforme aux UL 127 CAN/ULC-S610-M87 norme comme une USINE CONSTRUITE CHEMINÉE.

This fireplace is approved for use as a wood burning fireplace or for use with a vented gas log approved to ANSI Z21.60 or Z21.84 standards or for use with a vent-free gas log heater approved to ANSI Z21.11.2 standard.

FOR CANADA: The authority having jurisdiction (such as the municipal building department, fire department, etc.) should be contacted before installation to determine the need to obtain a permit.

POUR LE CANADA: L'autorité compétente (comme le service municipal du bâtiment, les pompiers, etc.) doit être contacté avant l'installation afin de déterminer la nécessité d'obtenir un permis.

This appliance may be installed in an aftermarket permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes. This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

WARNING: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **WHAT TO DO IF YOU SMELL GAS:**
 - Do not try to light any appliance.
 - Do not touch any electrical switch; do not use any phone in your building.
 - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.

AVERTISSEMENT : Assurez-vous de bien suivre les instructions données dans cette notice pour réduire au minimum le risque d'incendie ou d'explosion ou pour éviter tout dommage matériel, toute blessure ou la mort.

- Ne pas entreposer ni utiliser d'essence ni d'autres vapeurs ou liquides inflammables dans le voisinage de cet appareil ou de tout autre appareil.
- **QUE FAIRE SI VOUS SENTEZ UNE ODEUR DE GAZ :**
 - Ne pas tenter d'allumer d'appareil.
 - Ne touchez à aucun interrupteur. Ne pas vous servir des téléphones se trouvant dans le bâtiment où vous trouvez.
 - Appelez immédiatement votre fournisseur de gaz depuis un voisin. Suivez les instructions du fournisseur.
 - Si vous ne pouvez rejoindre le fournisseur de gaz, appelez le service des incendies.
- L'installation et l'entretien doivent être assurés par un installateur ou un service d'entretien qualifié ou par le fournisseur de gaz.

⚠ WARNING: Improper installation, adjustment, alteration, service or maintenance can cause injury, property damage or loss of life. Refer to this manual for assistance or additional information. Consult a qualified installer or local distributor.

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SAFETY

IMPORTANT: Check local codes before installing this fireplace.

Before beginning the installation of the fireplace, read these instructions through completely.

- This INNOVATIVE HEARTH PRODUCTS fireplace and its components are safe when installed according to this installation manual. Unless you use INNOVATIVE HEARTH PRODUCTS components, which have been designed and tested for the fireplace system, you may cause a fire hazard.
- The INNOVATIVE HEARTH PRODUCTS warranty will be voided by and INNOVATIVE HEARTH PRODUCTS disclaims any responsibility for the following actions.
 - a. Modification of the fireplace, components, doors, air inlet system and damper control.
 - b. Use of any component part not manufactured or approved by INNOVATIVE HEARTH PRODUCTS in combination with an INNOVATIVE HEARTH PRODUCTS fireplace system.

Proper installation is the most important step in ensuring safe and continuous operation of the fireplace. Consult the local building codes as to the particular requirements concerned with the installation of all factory built fireplaces.

⚠ WARNING: Do not install a fireplace insert in this box unless the manufacturer's instructions with the insert specifically state this fireplace has been tested for use with this insert.

FOR YOUR SAFETY

- Do not store or use gasoline or any other flammable vapors or liquids in the vicinity of this or any other appliance.
- Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.
- Do not place clothing or other flammable materials on or near the appliance.
- Never leave children unattended when a fire is burning in the fireplace.

⚠ WARNING: Use solid wood or processed solid fuel firelogs only. When processed wood fuel fire logs are used, do not poke or stir the logs while they are burning. Use only fire logs that have been evaluated for the application in fireplace and refer to fire log warnings and caution markings on packaging prior to use.

This fireplace is not intended to be used as a substitute for a furnace to heat an entire home. Use for supplemental heat only.

SPECIFICATIONS

36" MODELS

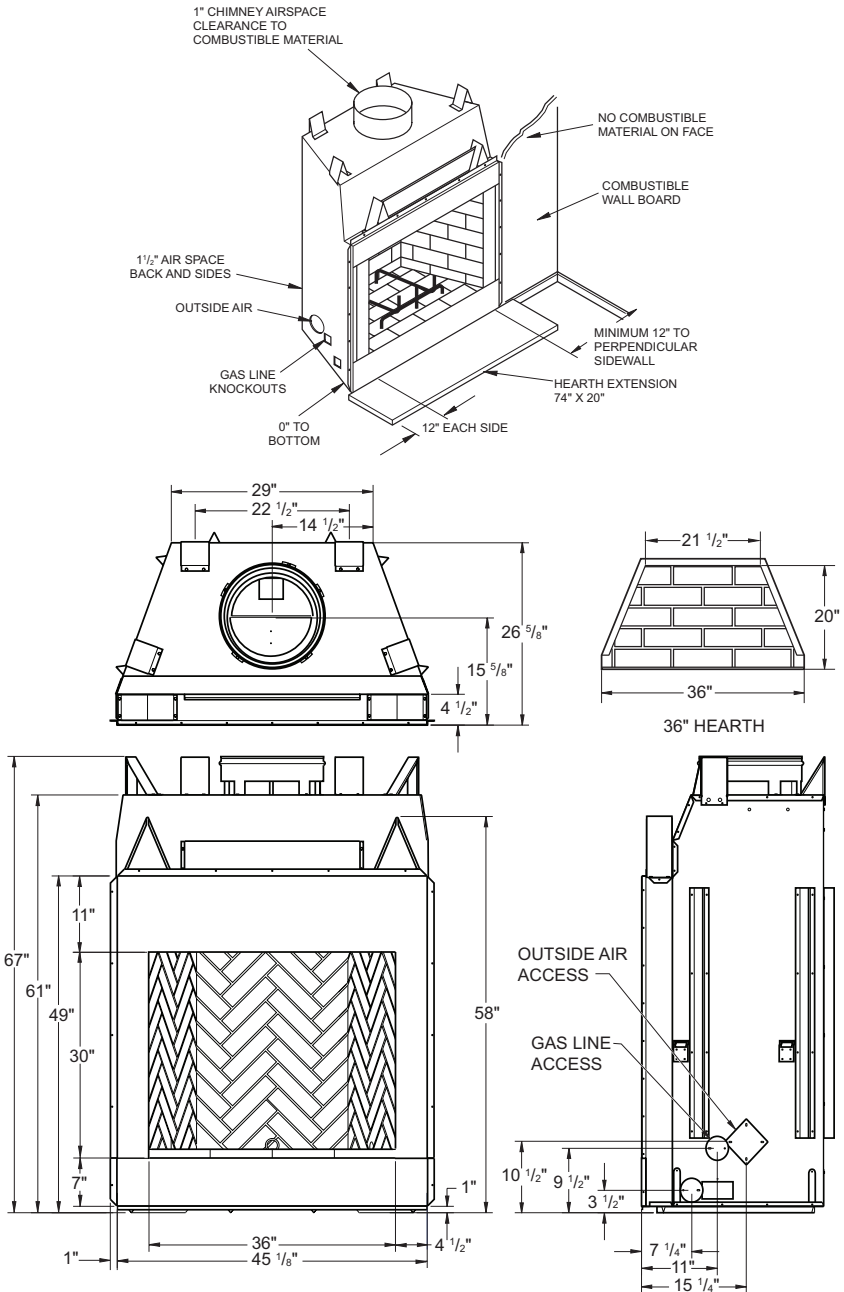


Figure 1 - 36" Models

SPECIFICATIONS *Continued*

42" MODELS

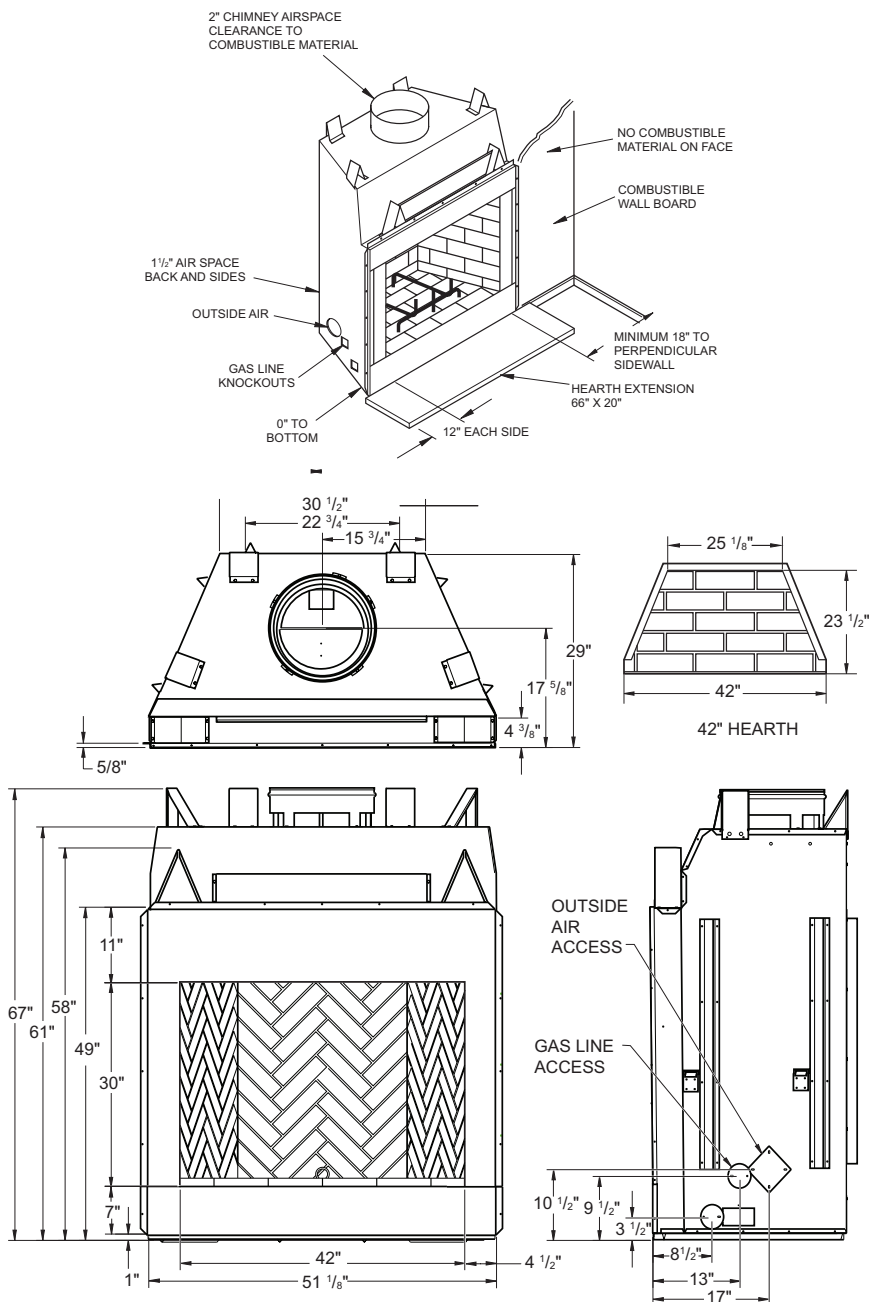


Figure 2 - 42" Models

SPECIFICATIONS *Continued*

50" MODELS

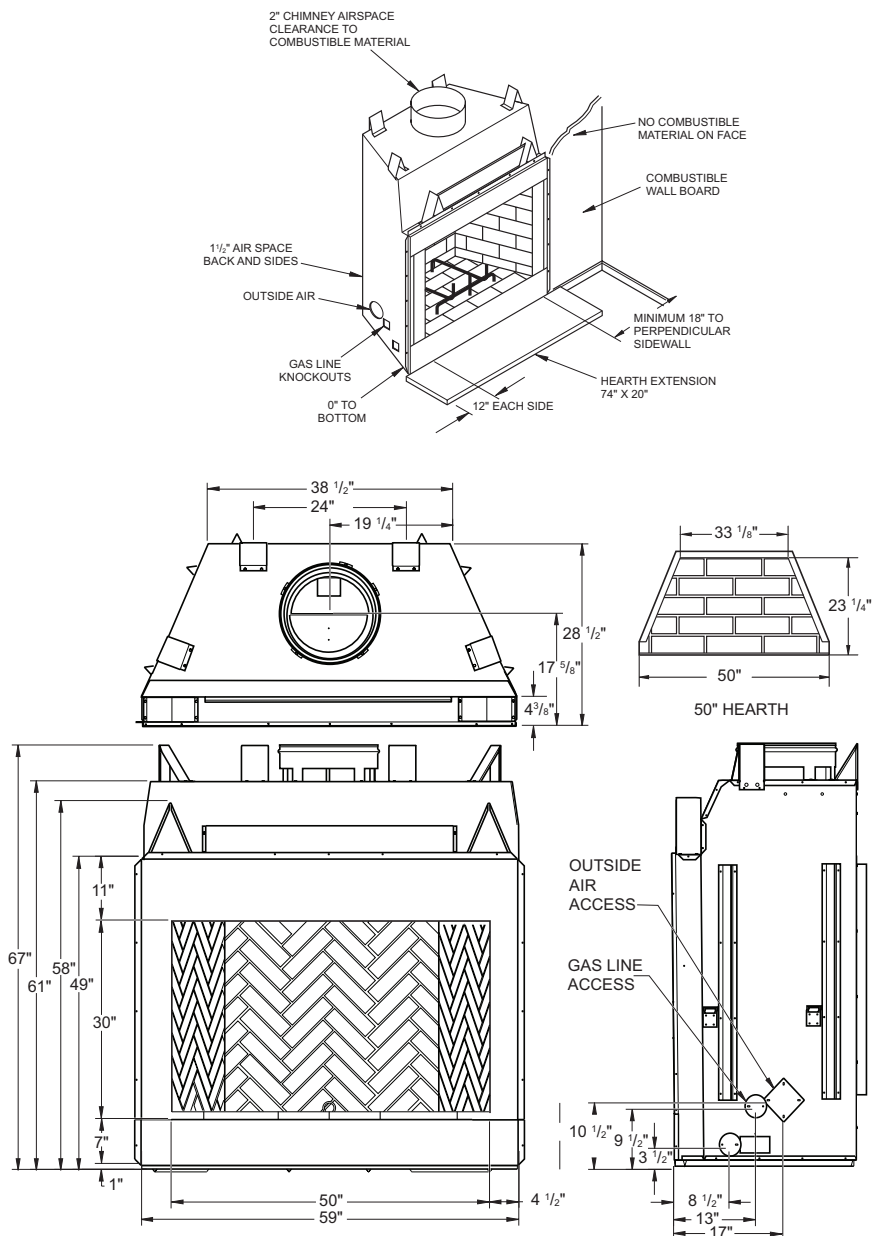


Figure 3 - 50" Models

FIREPLACE INSTALLATION

SELECTING LOCATION

To determine the safest and most efficient location for the fireplace, you must take into consideration the following guidelines:

1. The location must allow for proper clearances (see Figures 4 and 5).
2. Consider a location where fireplace will not be affected by drafts, air conditioning ducts, windows or doors.
3. A location that avoids cutting of joists or roof rafters will make installation easier.
4. An outside air kit is available with this fireplace (see *Optional Outside Air Kit* on page 8).

MINIMUM CLEARANCE TO COMBUSTIBLES

Back and sides of fireplace	1 1/2" min.*
Front of fireplace	48" min.
Floor**	0" min.
Perpendicular wall to opening	18" min.
36" Models	12" min.
Top spacers	0" min.
Mantel clearances	see <i>Mantels</i> , page 7
Chimney outer pipe surface	2" min.
36" Model	1" min.

* Not required at nailing flanges

** See step 2 of *Framing*

WARNING: Do not pack required air spaces with insulation or other materials.

Minimum/Maximum Chimney Height for Residential Installation

Minimum height of chimney, measured from base of fireplace to flue gas outlet of termination, is 16 feet for straight flue or a flue with one elbow set. Maximum distance between elbows is 6 feet. For systems with two elbow sets, minimum height is 22 feet. Maximum height of any system is 50 feet. This measurement includes fireplace, chimney sections and height of termination assembly at level of the flue gas outlet (see Figure 15, page 11).

FRAMING

1. Frame opening for fireplace using dimensions shown in Figures 4 and 5.
2. If fireplace is to be installed directly on carpeting, tile (other than ceramic) or any combustible material other than wood flooring, fireplace must be installed upon a metal or wood panel extending full width and depth of fireplace.
3. Set fireplace directly in front of this opening and slide unit back until nailing flanges touch side framing.
4. Check level of the fireplace and shim with sheet metal if necessary.
5. Before securing fireplace to prepared framing, ember protector (provided) must be placed between hearth extension (not supplied) and under bottom front edge of fireplace to protect against glowing embers falling through. If fireplace is to be installed on a raised platform, a Z-type ember protector (not supplied) must be fabricated to fit your required platform height. Ember protector should extend under fireplace a minimum of 1 1/2". Ember protector should be made of galvanized sheet metal (28 gauge minimum to prevent corrosion).
6. Using screws or nails, secure fireplace to framing through flanges located on sides of fireplace.

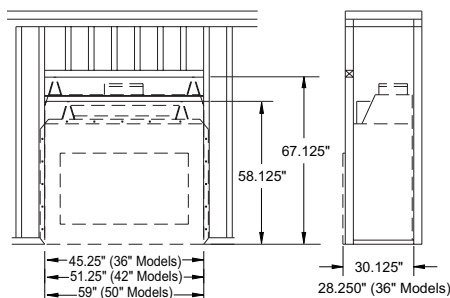


Figure 4 - Framing Dimensions

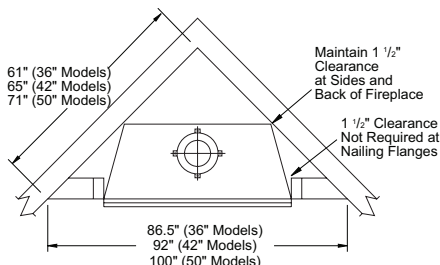


Figure 5 - Corner Installation

FIREPLACE INSTALLATION

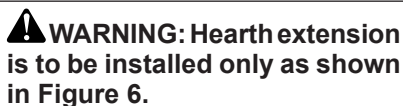
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HEARTH EXTENSION

A hearth extension projecting a minimum of 20" in front of and a minimum of 12" beyond each side of fireplace opening is required to protect combustible floor construction in front of fireplace. Fabricate a hearth extension using a material which meets the following specifications: a layer of noncombustible, inorganic material having a thermal conductivity of $K=0.84 \text{ BTU IN/FT. HR. F}$ (or less) at 1" thick. For example, if the material selected has a K factor of 0.25, such as glass fiber, the following formula would apply:

$$\frac{0.25}{0.84} \times 1.0" = 0.30" \text{ thickness required}$$

Thermal conductivity "K" of materials can be obtained from manufacturer or supplier of noncombustible material. If hearth extension is to be covered, use noncombustible material such as tile, slate, brick, concrete, metal, glass, marble, stone, etc. Provide a means to prevent hearth extension from shifting and seal gap between fireplace frame and hearth extension with a noncombustible material (see Figure 6).



MANTELS

A mantel may be installed if desired (see Figure 7). Woodwork such as wood trims, mantels or any other combustible material projecting from front face must not be placed within 12" (36" Models) or 18" (42/50" Models) of fireplace

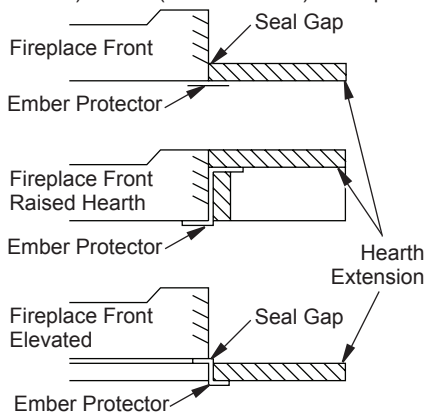


Figure 6 - Hearth Extension

opening. Combustible materials above 12" (36" Models) or 18" (42/50" Models) and projecting more than 1 1/2" from fireplace must not be placed less than 15" (36" Models) or 21" (42/50" Models) from the top opening of the fireplace (NFPA STD 211, Sec. 7-3.3.3).

Mantels or any other combustible material also may come up to side edge of black metal face of fireplace as long as projections from front face fall within limit shown in Figure 7.

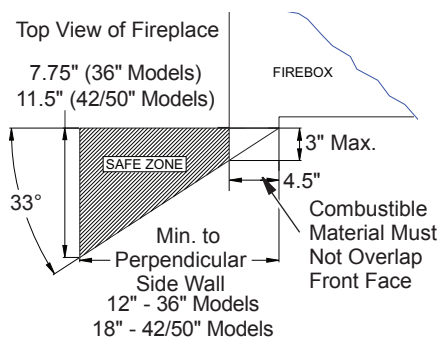
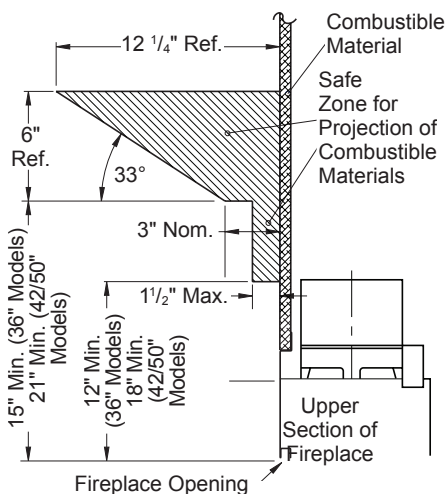


Figure 7 - Mantel Clearances to Combustible Material

VENTING INSTALLATION

OPTIONAL OUTSIDE AIR KIT (MODEL AK4/AK4F)

The installation of an outside air kit should be performed during the rough framing of the fireplace due to the nature of it's location. Outside combustion air is accessed through a vented crawl space (AK4F) or through a sidewall (AK4).

⚠ CAUTION: Combustion air inlet ducts shall not terminate in attic space.

The maximum height for the air vent can not exceed 3 feet below the flue gas outlet of the termination.

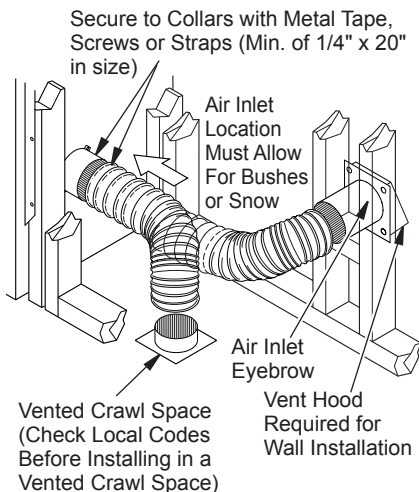


Figure 8 - Outside Air Kit

CHIMNEY PIPE

The INNOVATIVE HEARTH PRODUCTS chimney system consists of 12", 18", 24", 36" and 48" snap-lock, double-wall pipe segments, planned for maximum adaptability to individual site requirements. Actual lengths gained after fitting overlaps must be taken into consideration (lineal gain) and are given in the lineal gain chart (see Figure 9). Lineal Gain is the actual measurable length of a part after two or more parts are connected. For Canada, use chimney parts designated "HT".

⚠ WARNING: The opening in the collar around the chimney at the top of the fireplace must not be obstructed. Never use blown insulation to fill the chimney enclosure.

LINEAL GAIN		
PART NO.	DESCRIPTION	GAIN
Georgian	Fireplace	66 1/2"
12-12DM 12-12HT	Pipe Section	10 5/8"
18-12DM 18-12HT	Pipe Section	16 5/8"
24-12DM 24-12HT	Pipe Section	23 5/8"
36-12DM 36-12HT	Pipe Section	34 5/8"
48-12DM 48-12HT	Pipe Section	46 5/8"
RLT-12D RLT-12HT	Round Termination	7 3/4"*
STL-12D	Square Chase-Top with Slip Section	7" to 15"*

* The lineal gain for the terminations is measured to the flue gas outlet height.

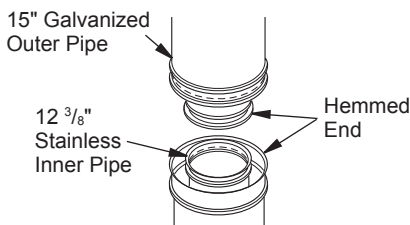


Figure 9 - Lineal Gain

ASSEMBLY AND INSTALLATION OF DOUBLE WALL CHIMNEY SYSTEM

Each double wall chimney section consists of a galvanized outer pipe, a stainless steel inner flue pipe and a wire spacer. The pipe sections must be assembled independently as the chimney is installed. When connecting chimney directly to the fireplace, the inner flue pipe section must be installed first with the lanced side up. The outer pipe section can then be installed over the flue pipe section with the hemmed end up. Press down on each pipe section until the lances securely engage the hem on the fireplace starter. The wire will assure the proper spacing between the inner and outer pipe sections.

VENTING INSTALLATION

Continued

Continue to assemble chimney sections as outlined above, making sure that both the inner and outer pipe sections are locked together. When installing double wall snap-lock chimney together, it is important to assure the joint between the chimney sections is locked. Check by pulling chimney upward after locking. The chimney will not come apart

if properly locked. It is not necessary to add screws to keep the chimney together (exception, see Figure 10).

USING ELBOW OFFSETS (30E-12DM)

1. To achieve desired offset, you may install combinations of 12", 18", 24", 36" and 48" length of double wall pipe (see offset chart and Figure 10).
2. Chimney weight above offset rests on return elbow. Straps must be securely nailed to rafters or joists (see Figure 11, details A and B).
3. Maximum length of pipe between supports (return elbow or 12S-12DM) is 6' of angle run. Maximum of two 6' angle run sections per chimney system (see Figure 12, page 10).
4. All pipe connections between the offset and return must be secured with two screws on the outer pipe only (see Figure 10). Do not penetrate the inner stainless.

OFFSET A	RISE B	CHIMNEY LENGTH				
		12"	18"	24"	36"	48"
4 ³ / ₈ "	16 ³ / ₈ "	ELBOW SET ONLY				
9 ³ / ₄ "	25 ¹ / ₂ "	1				
12 ³ / ₄ "	30 ³ / ₄ "		1			
15"	34 ³ / ₄ "			1		
18"	40"	1	1			
21 ¹ / ₄ "	46 ¹ / ₄ "				1	
23 ³ / ₄ "	49 ¹ / ₄ "		1	1		
27 ³ / ₄ "	56 ³ / ₄ "					1
30"	60 ³ / ₄ "		1		1	
33"	66"					1
36"	71"		1			1
38 ¹ / ₄ "	75"				2	
41 ¹ / ₄ "	80 ¹ / ₄ "	1	1		1	
45"	86 ³ / ₄ "				2	
46 ³ / ₄ "	89 ¹ / ₂ "	1	1			1
51"	97"				1	1
53 ¹ / ₄ "	101"				2	
56 ¹ / ₄ "	106 ¹ / ₄ "					2
59 ¹ / ₄ "	111 ¹ / ₂ "		1		1	1
61 ³ / ₄ "	115 ¹ / ₂ "	1				2
64 ³ / ₄ "	120 ³ / ₄ "		1			2
68 ¹ / ₄ "	127"				2	1
70"	130"	1	1			2
74 ¹ / ₄ "	137 ¹ / ₂ "	1			2	1
76 ³ / ₄ "	141 ¹ / ₂ "		1		2	1
79 ³ / ₄ "	146 ³ / ₄ "				4	

OFFSET CHART (22-50 FT. SYSTEM HEIGHT)

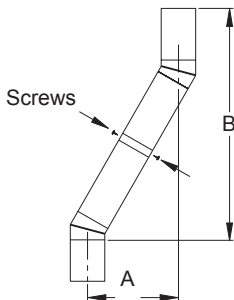


Figure 10 - Elbow Offset

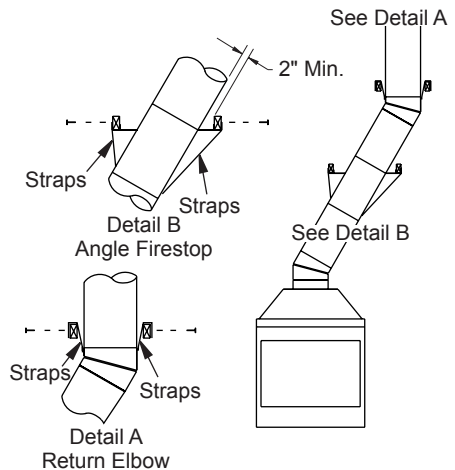


Figure 11 - Ceiling Support Pipe
12S-12DM

VENTING INSTALLATION

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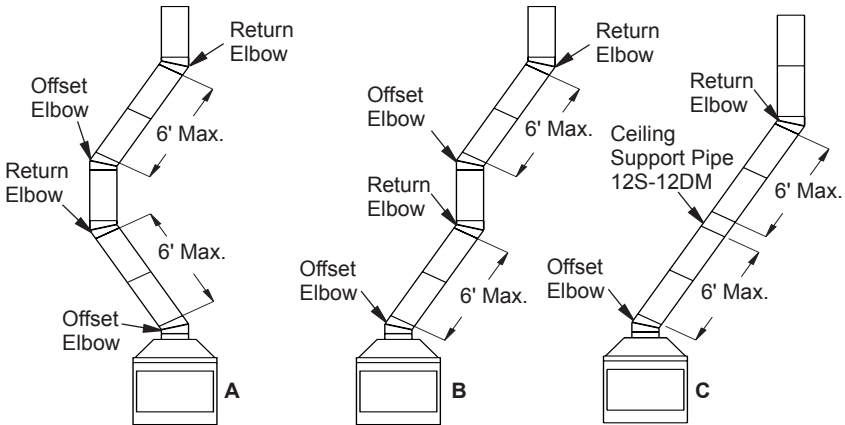


Figure 12 - Typical Offset Terminations

FIRESTOP SPACERS (FS-10, 1100EFS-10DM FOR 36" MODELS)

Firestop spacers are required at each point where the chimney penetrates a floor space. Their purpose is to establish and maintain the required clearance between the chimney and the combustible materials. When the pipe passes through a framed opening into a living space above, the firestop must be placed onto the ceiling from below as shown in Figure 13.

They also provide complete separation from one floor space to another or attic space as required by most codes. When the double wall pipe passes through a framed opening into an attic floor as shown in Figure 14.

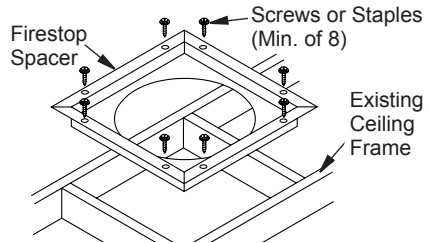


Figure 14 - Firestop Spacer with Attic Space Above Ceiling

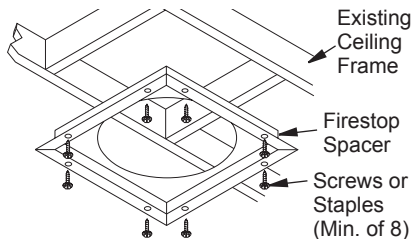


Figure 13 - Firestop Spacer with Living Space Above Ceiling

PENETRATING ROOF

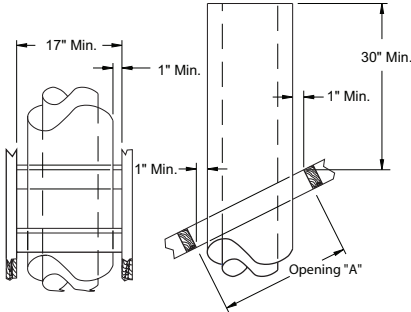
To maintain a 1" (36" Models) or 2" (42/50" Models) clearance to the pipe on a roof with a pitch, a rectangular opening must be cut.

1. Determine center point through which pipe will penetrate roof.
2. Determine center point of roof. Pitch is distance the roof drops over a given span, usually 12". A 6/12 pitch means that roof drops 6" for each 12" measured horizontally down from roof rafters.
3. Use roof opening chart (Figure 15, page 11) to determine correct opening length and flashing required.
4. Remove shingles around opening measured. Cut out this section.

VENTING INSTALLATION

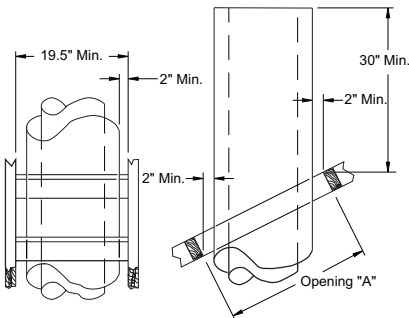
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5. Add next sections of pipe until end penetrates roof line. Check to see that proper clearances are maintained. Extend double chimney by adding sections of double wall pipe until pipe is minimum of 30" above highest point of roof cutout. Termination and chimney must extend a minimum of 36" above highest point where it passes through roof.



Pitch	Slope	Opening "A" Max.	Used Flashing Model No.
Flat	0°	17"	V6F-10DM
0-6/12	26.6°	19"	V6F-10DM
6/12-12/12	45.0°	24"	V12F-10DM

Roof Opening 36" Models



Pitch	Slope	Opening "A" Max.	Used Flashing Model No.
Flat	0°	19.5"	V6F-10DM
0-6/12	26.6°	22"	V6F-10DM
6/12-12/12	45.0°	27"	V12F-10DM

Roof Opening 42" and 50" Models

Figure 15 - Roof Opening Measurements

FLASHING INSTALLATION (V6F-10DM OR V12F-10DM)

Determine the flashing to be used with the roof opening chart. Slide flashing over pipe until base is flat against roof. Replace as many shingles as needed to cover exposed area and flashing base. Secure in position by nailing through shingles (see Figure 16). DO NOT NAIL THROUGH FLASHING CONE.

Installing Flashing on a Metal Roof

When installing the flashing on a metal roof, it is required that putty tape be used between the flashing and the roof. The flashing must be secured to the roof using #8 x 3/4" screws and then sealed with roof coating to prevent leakage through the screw holes. A roof coating must also be applied around the perimeter of the flashing to provide a proper seal.

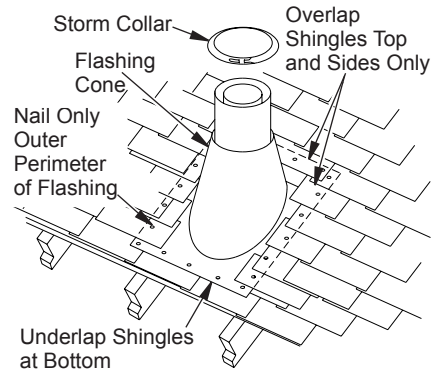


Figure 16 - Flashing Installation

Storm Collar Installation (SC2-1)

Place storm collar over pipe and slide down until it is snug against the open edge of the flashing (see Figure 17). Apply waterproof caulk around the perimeter of the collar to provide a proper seal.

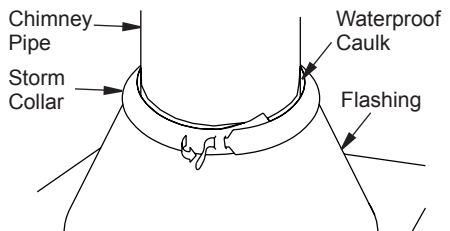


Figure 17 - Storm Collar

VENTING INSTALLATION

Continued

Terminations/Spark Arrestor

The fireplace system must be terminated with the listed round top or chase terminations. In any case, refer to the installation instructions supplied with the termination.

CAUTION: Do not seal openings on the rooftop flashing. Follow the installation instructions provided with the termination being used.

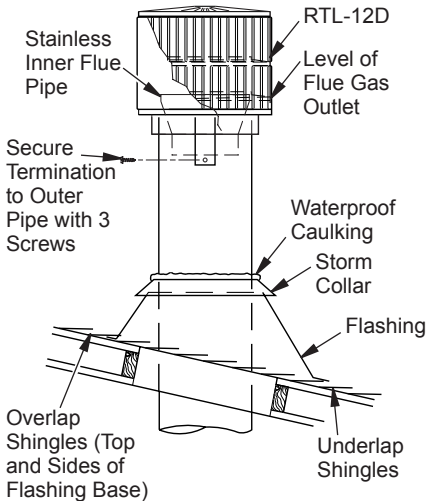


Figure 18 - Termination

CHASE INSTALLATIONS

Instructions for chase installations are included with the chase style termination chosen. In a multiple chase installation, be sure to provide adequate distance between terminations to prevent smoke spillage from one termination to another. We suggest that terminations be separated at least 24", center to center and stacked at a vertical height difference of 18" (see Figure 19).

Note: If a decorative shroud is to be installed, contact the manufacturer for specifications.

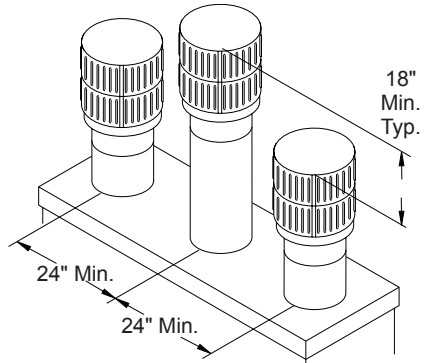


Figure 19 - Multiple Chase Installation

10 FOOT RULE

All flue gas outlet chimney terminations must extend a minimum of 3 feet in height above the highest point where it passes through the roof and must be at least 2 feet above the highest point of the roof that is within a horizontal distance of 10 feet (see Figure 20).

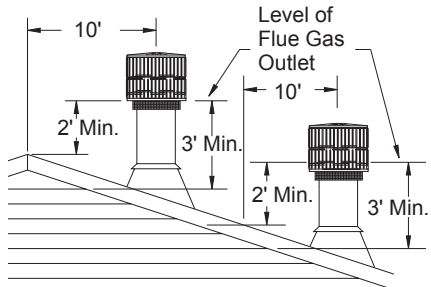


Figure 20 - 10 Foot Rule

FINISHING FIREPLACE

Combustible materials, such as wallboard, gypsum board, sheet rock, drywall, plywood, etc. may make direct contact with sides and top around the fireplace face. It is important that combustible materials do not overlap the face itself. Brick, glass, tile or other noncombustible materials may overlap the front face provided they do not obstruct essential openings like louvered slots or any other opening. When overlapping with a noncombustible facing material, use only noncombustible mortar or adhesive.

REFRACTORY PANEL INSTALLATION

IMPORTANT: Installation of brick should be done after the fireplace is placed in a permanent location.

1. Remove grate, screen assemblies and all hardware components out of the firebox. The bottom panel is preinstalled in the firebox. Make sure the bottom refractory panels is centered in the firebox and flush with the front of the fireplace.
2. Place cardboard on top of bottom refractory panel as a protection to prevent shipping and scratching during installation of the other panels.
3. Position "Z" shaped grate retaining brackets on top of the notched area toward the rear of the bottom refractory. They should be positioned a distance apart as shown in Figure 21.
4. Install rear refractory panel. This panel has a top and bottom. To determine which is which, match up the pattern on the rear panel with the left and right sides before

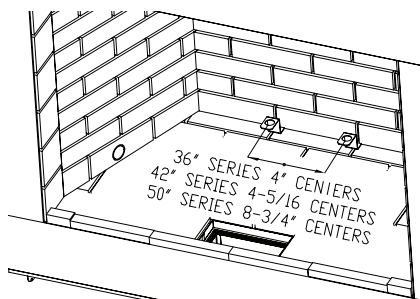


Figure 21 - Installing Grate Retainers

installing the rear panel. Make sure panel is center before continuing.

5. Install the right and left refractory panels with the gas line knockouts orientated down toward the bottom refractory. Align the left and right panels with the rear panel so the grout lines line up.
6. Install the upper corner brackets and tighten set screws (Figure 22).
7. Install grate by placing rear legs into slots in the grate retainers (Figure 22).

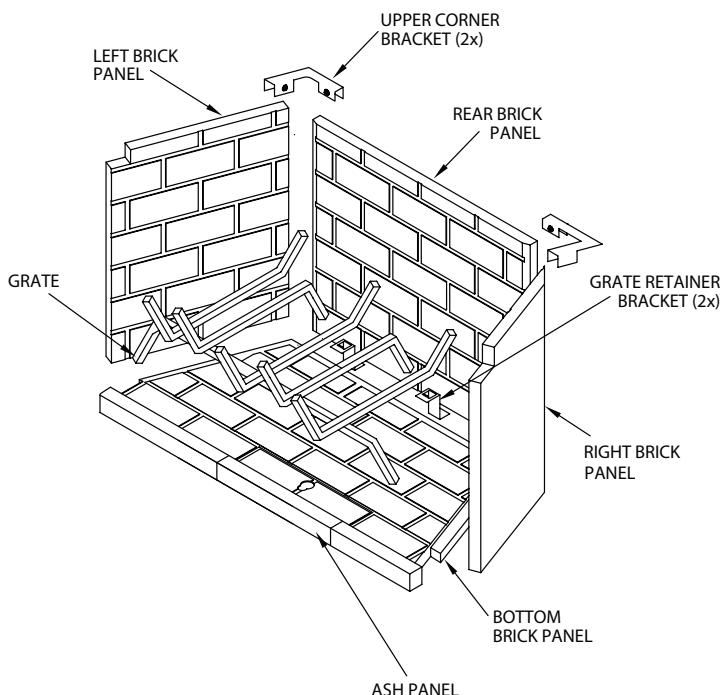


Figure 22 - Installing Refractory Panels

REFRACTORY PANEL INSTALLATION

Continued

⚠ WARNING: Risk of fire! Replace grate with INNOVATIVE HEARTH PRODUCTS grate only (see Parts, page 23). This grate has been designed to keep the operation of your fireplace safe and efficient.

INSTALLING SCREEN

1. Slide round end of screen rod into rings at top of screen. Attach one push-on nut to end of rod before attaching last ring of screen.
2. Insert the round end screen rod into hole

- on the left and right side of smoke shelf (Figure 23).
3. Mount flat end of screen rod with #10 x 5/8" to center of smoke shelf.
4. Install other screen rod in same manner.

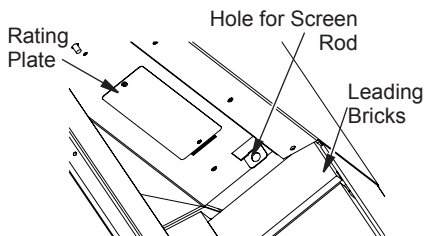


Figure 23 - Installing Fireplace Screen

OPTIONAL GAS LINE INSTALLATION

Gas line hook up should be done by your supplier or a qualified service person.

Note: Before you proceed, make sure your gas supply is turned off.

Use only a 1/2" black iron pipe and appropriate fittings.

1. Remove knockout indentation on refractory or firebrick wall located above refractory hearth floor. Knockout indentation must be firmly tapped with any solid object such as a 1/2" dowel until it is released. Remove fragmented portions of refractory (see Figure 24).

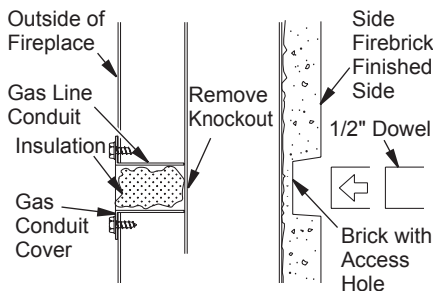


Figure 24 - Gas Line Access

2. Remove gas line cover plate located on either side of fireplace and pull out insulation from gas line conduit sleeve. Save insulation for reuse. Replace screws.
3. Run a 1/2" black iron gas line into fireplace through the rear at gas line conduit sleeve (if using a raised platform, add height). Provide sufficient gas line into fireplace chamber for fitting connection (see Figure 25).

Note: Secure incoming gas line to wood framing to provide rigidity for threaded end.

4. Repack insulation around gas line and into sleeve opening. Seal any gaps between gas line and refractory knockout hole with refractory cement or commercial furnace cement. Install the gas appliance or cap-off gas line if desired.

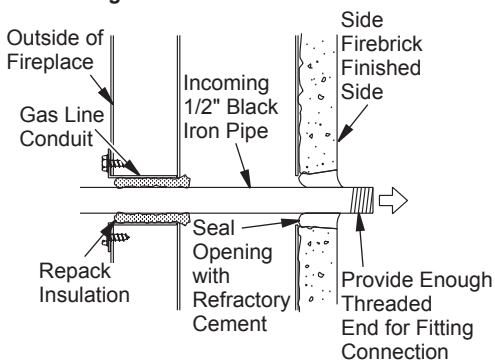


Figure 25 - Gas Line Installation

OPTIONAL GAS LINE INSTALLATION

Continued

⚠ CAUTION: All gas piping and connections must be tested for leaks after the installation is completed. After ensuring that the gas valve is on, apply soap and water solution to all connections and joints. Bubbles forming show a leak. Correct all leaks at once. **DO NOT USE AN OPEN FLAME FOR LEAK TESTING AND DO NOT OPERATE ANY APPLIANCE IF A LEAK IS DETECTED. LEAK TESTING SHOULD BE DONE BY A QUALIFIED SERVICE PERSON.**

⚠ WARNING: Do not operate an unvented gas log set in this fireplace with the chimney removed.

A gas line or gas log lighter may be installed for the purpose of installing a vented or vent-free decorative gas appliance incorporating an automatic shutoff device and complying with the *Standard for Decorative Gas Appliances for Installation in Vented Fireplaces, ANSI Z21.60* or American Gas Association draft requirements for Gas Fired Log Lighters for Wood Burning Fireplaces, Draft NO. 4 dated August, 1993.

If you install a decorative gas appliance (vented gas log), the decorative gas appliance must comply with the *Standard for Decorative Gas Appliance for Installation in Solid Fuel Burning Fireplaces, ANSI Z21.60 or Z21.84* and shall also be installed in accordance with the *National Fuel Gas Code, ANSI Z223.1/NFPA 54* latest edition.

If you wish to install an unvented (vent-free) gas log set, only unvented gas log sets which have been found to comply with the standard for unvented room heaters, ANSI Z21.11.2 are to be installed in this fireplace.

⚠ WARNING: If the fireplace has been used for wood burning, the firebox and chimney must be cleaned of soot, creosote and ashes by a qualified chimney cleaner. Creosote will ignite if heavily heated.

⚠ WARNING: When using a decorative vented gas log, the damper must be removed or permanently locked in the fully open position and the glass doors must be in the fully open position.

GLASS DOOR INSTALLATION

IMPORTANT: Install glass door frame before installing glass door.

INSTALLING DOOR FRAMES

1. Remove screws from smoke shelf (see Figure 26).
2. Mount top door frame and secure with screws removed in step 1.
3. Remove center ash refractory by pulling ring handle (see Figure 27, page 16).
4. Remove ash box.
5. Remove three screws located at front of firebox (see Figure 27, page 16).

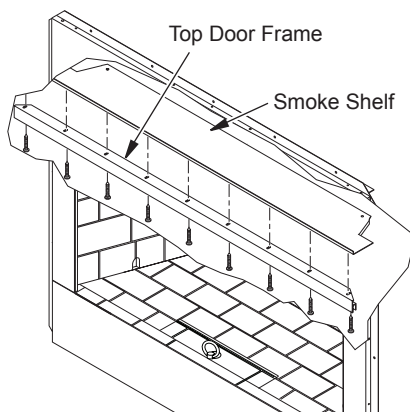


Figure 26 - Installing Top Door Frame

GLASS DOOR INSTALLATION

Continued

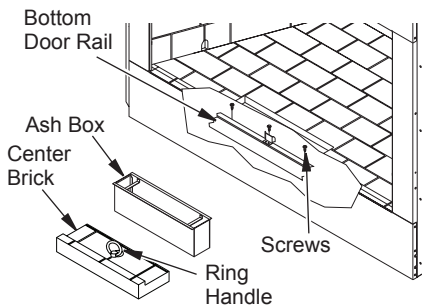


Figure 27 - Installing Bottom Door Frame

6. Align bottom rail mounting holes with holes at front of firebox and secure with screws removed in step 5.
7. Place ash box in place. Replace center ash refractory.

INSTALLING GLASS DOORS

Spring clips have been installed but some adjustments may be needed. If doors do not close properly or do not appear straight, see Door Adjustment.

1. With bi-fold doors completely folded, insert bottom pivot pin into pivot hole located near bottom corner of front face opening and swing door to vertical position making sure top pins slide into door track. Door is installed when top door pin snaps into spring clip.
2. Repeat step 1 for remaining door.

If you find doors do not close properly or do not appear level or straight, proceed with section on door adjustment,

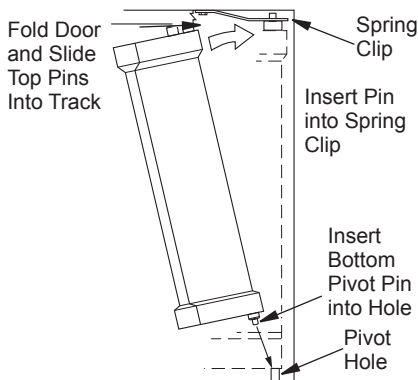


Figure 28 - Installing Bi-Fold Doors

DOOR ADJUSTMENT

Remove doors and slightly loosen lower pivot clips and upper spring clips. Replace doors and fully close them. Use 1/8" shims (any material) to level doors. Once proper setting is achieved, carefully open doors enough so that you can access spring clips with a Phillips screwdriver. Tighten screws. See Figure 29.

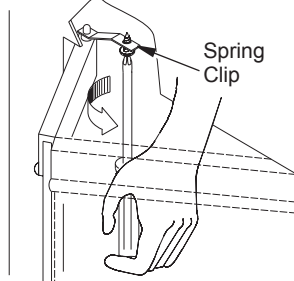


Figure 29 - Adjusting Bi-Fold Doors

OPERATION AND MAINTENANCE GUIDELINES

GLASS DOORS

Glass doors are optional with the fireplace. When fireplace is in operation, doors must be fully opened or fully closed position only or a fire hazard may be created (see Figure 30, page 17).

A fireplace equipped with glass doors operates much differently than a fireplace with an open front. A fireplace with glass doors has a limited amount of air for combustion.

Excessive heat within the fireplace can result if too large a fire is built or if combustion air gate is not completely open. The following tips should be followed to assure that both the fireplace and glass door retain their beauty and function properly. Both the flue damper and glass doors must be fully opened before starting fire. This will provide sufficient combustion air and maintain safe temperatures in firebox.

OPERATION AND MAINTENANCE GUIDELINES

Continued

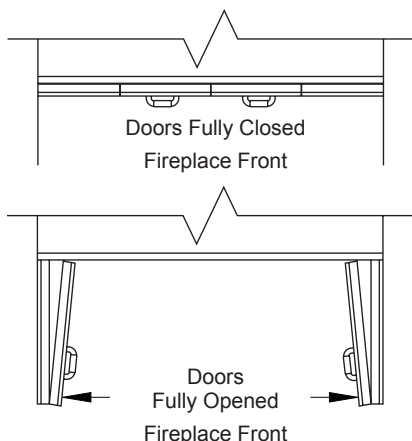


Figure 30 - Bi-Fold Glass Doors

IMPORTANT: The glass must be allowed to warm slowly and evenly. The tempered glass will withstand a gradual temperature rise to 550° F, which is more than a normal fire will generate. Such materials as pitch/wax laden logs, very dry mill end lumber and large amounts of paper or cardboard boxes can create an excessively hot fire and should not be burned in this fireplace. Always keep the fire well back from the doors and never allow flames to contact the glass.

⚠ WARNING: Fireplaces equipped with glass doors should be operated only with doors fully opened or doors fully closed. Doors, if left partly open, may draw gas and flame out of the fireplace opening creating risks of both fire and smoke.

Cleaning Glass

Clean glass with any commercial glass cleaner or soap and water. Do not use any abrasive material to clean glass. Do not clean glass with any cool water if glass is still hot from the fire and smoke.

OUTSIDE AIR AND DAMPER HANDLE OPERATION

The damper handle, which opens and closes the damper blade, is located in the upper front face of the fireplace. Pushing the handle forward and up through the keyway slot will free damper blade to automatically open. Pushing the handle forward and down will lock damper blade closed (see Figure 31).

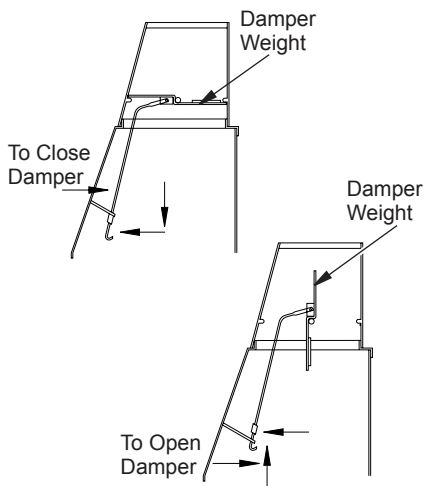
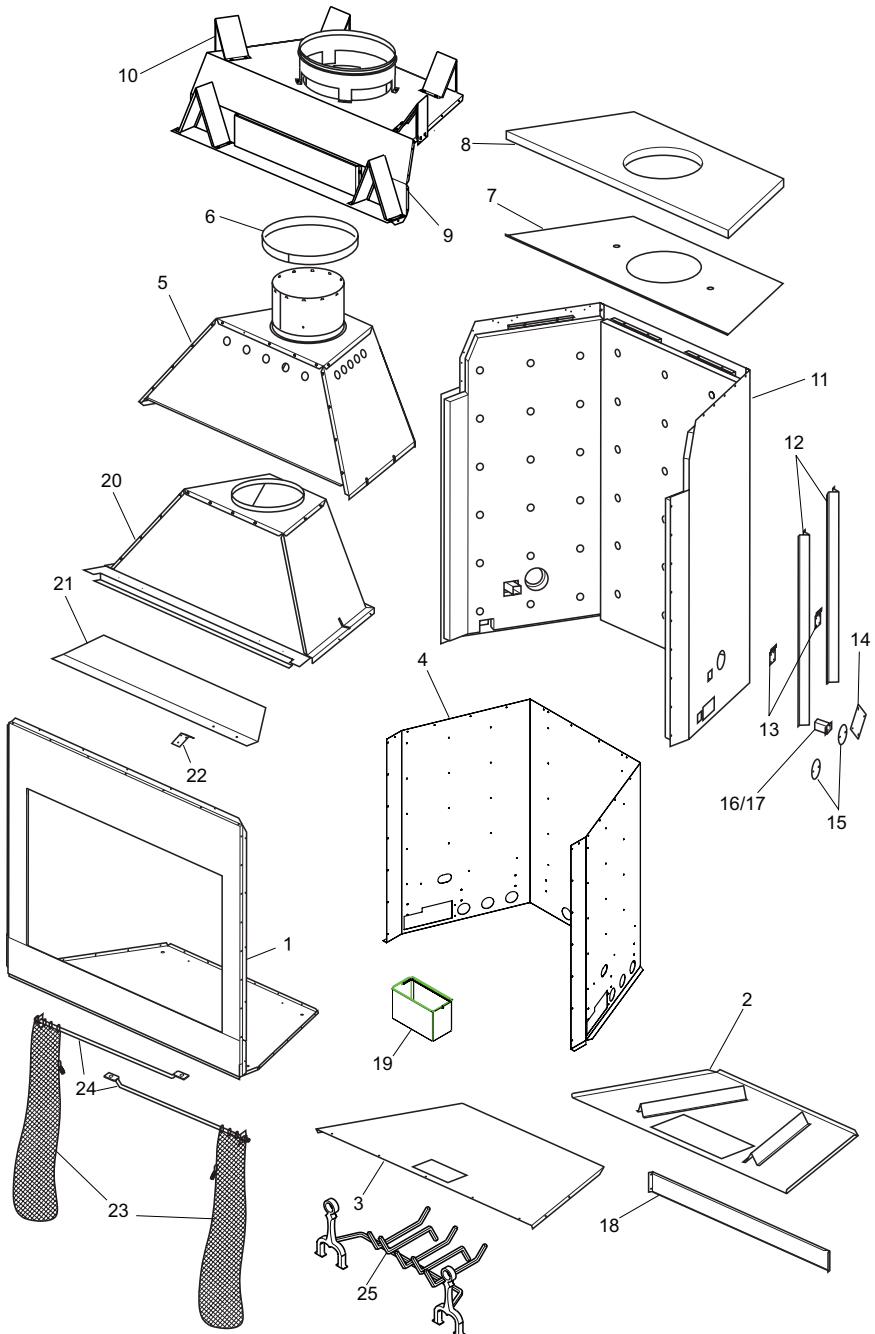


Figure 31 - Operating Damper Handle

PARTS

36", 42", AND 50" MODELS



PARTS

This list contains replaceable parts used in your firebox. When ordering parts, follow the instructions listed under Replacement Parts on page 23 of this manual.

KEY

NO.	PART NO.	DESCRIPTION	36	42	50	QTY.
1	**	Face Assembly	•	•	•	1
2	**	Firebox Bottom Assembly	•	•	•	1
3	**	Firebox Bottom	•	•	•	1
4	**	Firebox Surround	•	•	•	1
5	**	Outer Dome Assembly	•	•	•	1
6	**	Insulation Pan Support	•	•	•	1
7	**	Insulation Pan	•	•	•	1
8	**	Top Insulation	•	•	•	1
9	110285-03	Fireplace Top Assembly, 36"	•			1
	110285-02	Fireplace Top Assembly, 42"		•		1
	110285-01	Fireplace Top Assembly, 50"			•	1
10	23490SA	Standoff	•	•	•	4
11	**	Fireplace Surround Assembly	•	•	•	1
12	109720-02	Clearance Spacer	•	•	•	6
13	117891-01	Fireplace Handle Bracket	•	•	•	4
14	20042	Outside Air Cover Plate	•	•	•	2
15	21171	Gas Conduit Cover	•	•	•	4
16	109752-01	Conduit One	•	•	•	2
17	109752-02	Conduit Two	•	•	•	2
18	**	Heat Shield Support	•	•	•	1
19	123298-02	Ash Box Assembly	•	•	•	1
20	**	Inner Dome Assembly	•	•	•	1
21	**	Smoke Shield	•	•	•	1
22	**	Damper Control Bracket	•	•	•	1
23	109457-03	Screen 36"	•			2
	109457-02	Screen 42"		•		2
	109457-01	Screen 50"			•	2
	117556-03	Screen 36" Stainless				2
	117556-02	Screen 42" Stainless				2
	117556-01	Screen 50" Stainless				2
24	20806	Screen Rod 36"	•			2
	110146-03	Screen Rod 42"		•		2
	110146-02	Screen Rod 50"			•	2
25	109496-03	Grate 36"	•			1
	109496-02	Grate 42"		•		1
	109496-01	Grate 50"			•	1

PARTS AVAILABLE NOT SHOWN

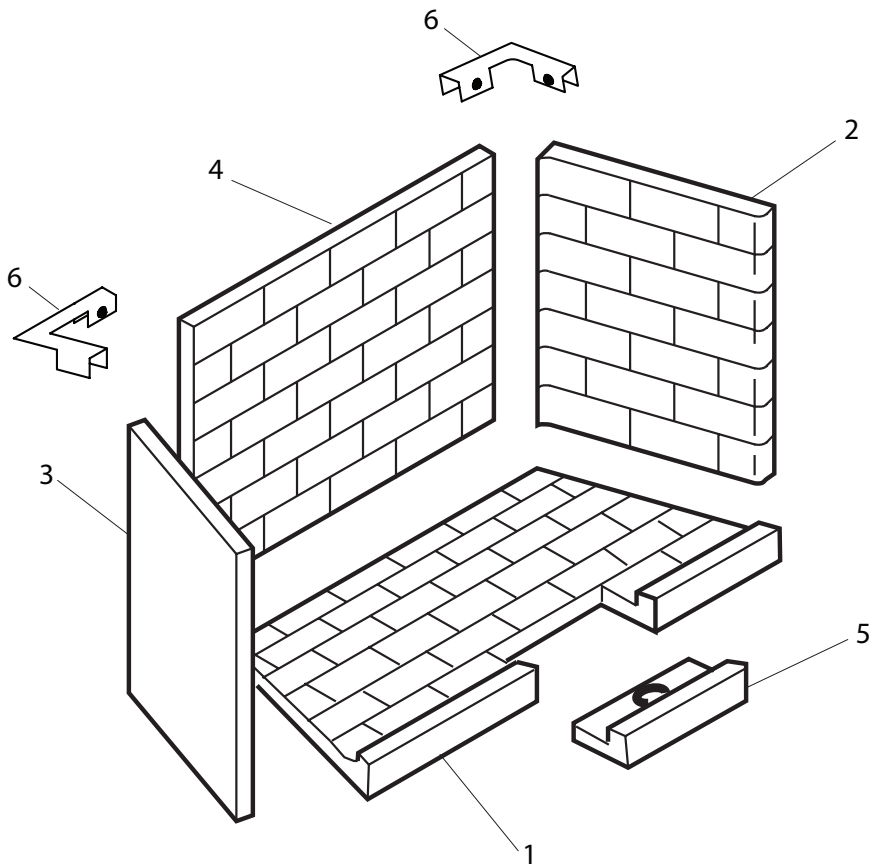
106539-03	Grate Retainer	•	•	•	•	2
109714-02	Side Refractory Spacers	•	•	•	•	4
114913-01	Rear Refractory Spacers	•	•	•	•	2

** Not a field replaceable part.

PARTS

36", 42", AND 50" MODELS

Picture may vary from actual



PARTS

This list contains replaceable parts used in your firebox. When ordering parts, follow the instructions listed under Replacement Parts on page 23 of this manual.

KEY			WRT4536RS	WRT4536RH	WRT4542RS	WRT4542RH	WRT4550RS	WRT4550RH	QTY.
NO.	PART NO.	DESCRIPTION							
1	116084-02	Hearth 36" Red	•	•					1
	111426-02	Hearth 42" Red			•	•			1
	111428-02	Hearth 50" Red					•	•	1
2	116082-02	Right Stacked 36" Red	•						1
	116087-02	Right Herringbone 36" Red		•					1
	125832-02	Right Stacked 42" Red			•				1
	125835-02	Right Herringbone 42" Red				•			1
	125838-02	Right Stacked 50" Red					•		1
	125841-02	Right Herringbone 50" Red						•	1
3	116081-02	Left Stacked 36" Red	•						1
	116086-02	Left Herringbone 36" Red		•					1
	125833-02	Left Stacked 42" Red			•				1
	125836-02	Left Herringbone 42" Red				•			1
	125839-02	Left Stacked 50" Red					•		1
	125842-02	Left Herringbone 50" Red						•	1
4	116083-02	Rear Stacked 36" Red	•						1
	116088-02	Rear Herringbone 36" Red		•					1
	125831-02	Rear Stacked 42" Red			•				1
	125834-02	Rear Herringbone 42" Red				•			1
	125837-02	Rear Stacked 50" Red					•		1
	125840-02	Rear Herringbone 50" Red						•	1
5	116091-02	Ash Panel 36" Red	•	•					1
	111425-02	Ash Panel 42" Red			•	•			1
	111430-02	Ash Panel 50" Red					•	•	1
6	110822-01	Corner Refractory Bracket	•	•	•	•	•	•	2

PARTS

This list contains replaceable parts used in your firebox. When ordering parts, follow the instructions listed under Replacement Parts on page 23 of this manual.

KEY NO.	PART NO.	DESCRIPTION	WRT4536WS	WRT4536WH	WRT4542WS	WRT4542WH	WRT4550WS	WRT4550WH	QTY.
1	116084-01	Hearth 36" Natural White	•	•					1
	111426-01	Hearth 42" Natural White			•	•			1
	111428-01	Hearth 50" Natural White				•	•	•	1
2	116082-01	Right Stacked 36" Natural White	•						1
	116087-01	Right Herringbone 36" Natural White		•					1
	125832-01	Right Stacked 42" Natural White			•				1
	125835-01	Right Herringbone 42" Natural White				•			1
	125838-01	Right Stacked 50" Natural White					•	•	1
	125841-01	Right Herringbone 50" Natural White						•	1
3	116081-01	Left Stacked 36" Natural White	•						1
	116086-01	Left Herringbone 36" Natural White		•					1
	125833-01	Left Stacked 42" Natural White			•				1
	125836-01	Left Herringbone 42" Natural White				•			1
	125839-01	Left Stacked 50" Natural White					•	•	1
	125842-01	Left Herringbone 50" Natural White						•	1
4	116083-01	Rear Stacked 36" Natural White	•						1
	116088-01	Rear Herringbone 36" Natural White		•					1
	125831-01	Rear Stacked 42" Natural White			•				1
	125834-01	Rear Herringbone 42" Natural White				•			1
	125837-01	Rear Stacked 50" Natural White					•	•	1
	125840-01	Rear Herringbone 50" Natural White						•	1
5	116091-01	Ash Panel 36" Natural White	•	•					1
	111425-01	Ash Panel 42" Natural White			•	•			1
	111430-01	Ash Panel 50" Natural White					•	•	1
6	110822-01	Corner Refractory Bracket	•	•	•	•	•	•	2

TECHNICAL SERVICE

You may have further questions about installation, operation, or troubleshooting. If so, contact INNOVATIVE HEARTH PRODUCTS at 1-800-655-2008.

When calling please have your model and serial numbers of your fireplace ready.

You can also visit our web site at www.IHP.US.com.

REPLACEMENT PARTS

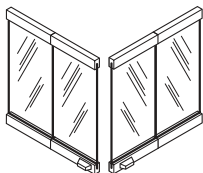
If this product is missing a part or has a broken component, please do not return it to the store. Call INNOVATIVE HEARTH PRODUCTS at 1-800-655-2008 to answer questions and replace parts under warranty.

Note: Use only original replacement parts. This will protect your warranty coverage for parts replaced under warranty.

When calling or writing, please have your model and serial numbers of your fireplace ready.

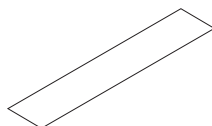
Model and serial number information are in the fireplace's rating plate located on the fireplace smoke shelf.

ACCESSORIES

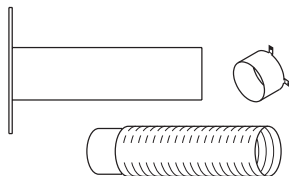


BI-FOLD GLASS DOORS

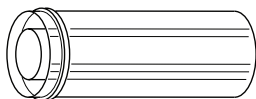
BDG36 - 36" Black
BDG36P - 36" Platinum
BDG36B - 36" Brushed Brass
BDG42 - 42" Black
BDG42P - 42" Platinum
BDG42B - 42" Brushed Brass
BD50 - 50" Black
BD50P - 50" Platinum
BD50B - 50" Brushed Brass



EMBER PROTECTOR - 20093

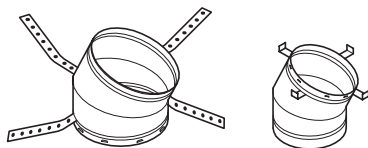


OPTIONAL OUTSIDE AIR KIT FOR FLOOR INSTALLATION - AK4F



DOUBLE WALL PIPE -

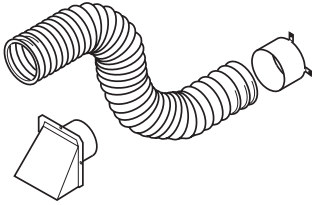
12-12DM, 18-12DM, 24-12DM, 36-12DM,
48-12DM, 12-12HT, 18-12HT, 24-12HT, 36-
12HT and 48-12HT



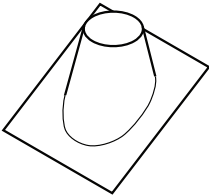
30° OFFSET AND RETURN 30E-12DM and 30E-12HT

ACCESSORIES

Continued



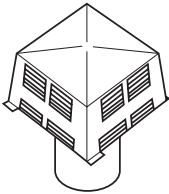
**OPTIONAL OUTSIDE AIR KIT FOR
SIDEWALL INSTALLATION - AK4**



ROOF FLASHING

V6F-10DM - 0 to 6/12 Pitch

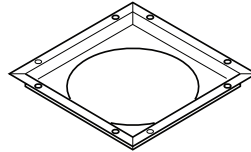
V12F-10DM - 6/12 to 12/12 Pitch



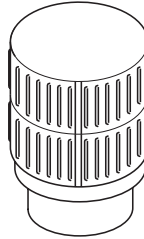
**SQUARE CHASE-TOP
TERMINATION - STL-12D AND
STL-12DMP BLACK**



STORM COLLAR - SC2-1



**FIRESTOP SPACER - FS-10 AND
1100EFS-10DM**



**ROUND TOP TERMINATIONS
RLT-12D AND RLT-12HT**

Innovative Hearth Products Superior™ Brand Wood-Burning Fireplace 20 Year Limited Warranty

THE WARRANTY

Innovative Hearth Products ("IHP") 20 Year Limited Warranty warrants your Superior™ Brand wood burning fireplace ("Product") to be free from defects in materials and workmanship at the time of manufacture. The Product body, firebox and ceramic glass carry the 20 Year Limited Warranty. Ceramic glass carries the 20 Year Limited Warranty against thermal breakage only. After installation, if covered components manufactured by IHP are found to be defective in materials or workmanship during the 20 Year Limited Warranty period and while the Product remains at the site of the original installation, IHP will, at its option, repair or replace the covered components. If repair or replacement is not commercially practical, IHP will, at its option, refund the purchase price or wholesale price of the IHP product, whichever is applicable. IHP will also pay IHP prevailing labor rates, as determined in its sole discretion, incurred in repairing or replacing such components for up to five years. THERE ARE EXCLUSIONS AND LIMITATIONS to this 20 Year Limited Warranty as described herein.

COVERAGE COMMENCEMENT DATE

Warranty coverage begins on the date of installation. In the case of new home construction, warranty coverage begins on the date of first occupancy of the dwelling or six months after the sale of the Product by an independent IHP dealer/distributor, whichever occurs earlier. The warranty shall commence no later than 24 months following the date of product shipment from IHP, regardless of the installation or occupancy date.

EXCLUSIONS AND LIMITATIONS

This 20 Year Limited Warranty applies only if the Product is installed in the United States or Canada and only if operated and maintained in accordance with the printed instructions accompanying the Product and in compliance with all applicable installation and building codes and good trade practices.

This warranty is non-transferable and extends to the original owner only. The Product must be purchased through a listed supplier of IHP and proof of purchase must be provided. The Product body and firebox carry the 20 Year Limited Warranty from the date of installation. Vent components, trim components, paint and applied stains are excluded from this 20 Year Limited Warranty. The following do not carry a 20 Year Limited Warranty but are warranted as follows:

Air tubes, baffles and brick retainers – Repair or replacement for one year from the date of installation

Cast iron parts – Replacement for one year from date of installation

Catalyst – Carries a separate warranty. Refer to the warranty certificate provided for that part

Electrical components – Repair or replacement for one year from the date of installation

Fireplace screens, refractory and side shields (metal or refractory) – Repair or replacement for two years from date of installation. Excludes hairline cracks.

Fuel grates – These parts are considered consumable accessories and therefore are not warranted, with the exception of defects in material or workmanship which are covered for 90 days from the date of installation

Gaskets – Replacement for one year from date of installation

Gold & nickel plating – Replacement for two years from date of installation. Excludes tarnishing

Optional glass doors – Repair or replacement for 90 days from the date of installation

Refractory & screens – Replacement for two years from date of installation. Excludes hairline cracks

Removable air tubes – Repair or replacement for seven years from date of installation. IHP prevailing labor rates for years one through five.

Labor coverage – Prevailing IHP labor rates apply for the warranty period of the component.

Parts not otherwise listed carry a 90 day warranty from the date of installation.

Whenever practicable, IHP will provide replacement parts, if available, for a period of 10 years from the last date of manufacture of the Product.

IHP will not be responsible for: (a) damages caused by normal wear and tear, accident, riot, fire, flood or acts of God; (b) damages caused by abuse, negligence, misuse, or unauthorized alteration or repair of the Product affecting its stability or performance. (The Product must be subject to normal use with approved fuels listed in the Operation Manual provided with the product. This includes burning such fireplace fuels as wood and natural or propane gas. Fuel products with abnormal burning characteristics, including but not limited to fuel such as driftwood, coal or plywood and wood products using a binder may burn at excessive temperatures and may cause damage to the Product or may cause it to function improperly.); (c) damages caused by failing to provide proper maintenance and service in accordance with the instructions provided with the Product; (d) damages, repairs or inefficiency resulting from faulty installation or application of the Product.

Coverage of this 20 Year Limited Warranty is conditional upon use of an adequate fuel grate on factory-built fireplaces only, when applicable.

IHP is not responsible for inadequate fireplace system draft caused by air conditioning and heating systems, mechanical ventilation systems, or general construction conditions which may generate negative air pressure in the room in which the appliance is installed. Additionally IHP assumes no responsibility for smoking conditions caused by inadequate chimney height, adjoining trees or buildings, adverse wind conditions or unusual environmental factors and conditions. Certain IHP Products are listed for use with Security Chimneys International, Ltd. or IHP chimney systems only. Use of chimney components other than that specified in the Product manual will void the Product warranty.

This 20 Year Limited Warranty covers only parts and labor as provided herein. In no case shall IHP be responsible for materials, components or construction which are not manufactured or supplied by IHP or for the labor necessary to install, repair or remove such materials, components or construction. Additional utility bills incurred due to any malfunction or defect in equipment are not covered by this 20 Year Limited Warranty. All replacement or repair components will be shipped F.O.B. from the nearest stocking IHP factory.

LIMITATION ON LIABILITY

It is expressly agreed and understood that IHP's sole obligation and the purchaser's exclusive remedy under this warranty, under any other warranty, expressed or implied, or in contract, tort or otherwise, shall be limited to replacement, repair, or refund, as specified herein.

In no event shall IHP be liable for any incidental or consequential damages caused by defects in the Product, whether such damage occurs or is discovered before or after replacement or repair, and whether such damage is caused by IHP's negligence. IHP has not made and does not make any representation or warranty of fitness for a particular use or purpose, and there is no implied condition of fitness for a particular use or purpose.

IHP makes no expressed warranties except as stated in this 20 Year Limited Warranty. The duration of any implied warranty is limited to the duration of this expressed warranty.

No one is authorized to change this 20 Year Limited Warranty or to create for IHP any other obligation or liability in connection with the Product. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. The provisions of this 20 Year Limited Warranty are in addition to and not a modification of or subtraction from any statutory warranties and other rights and remedies provided by law.

INVESTIGATION OF CLAIMS AGAINST WARRANTY

IHP reserves the right to investigate any and all claims against this 20 Year Limited Warranty and to decide, in its sole discretion, upon the method of settlement.

To receive the benefits and advantages described in this 20 Year Limited Warranty, the appliance must be installed and repaired by a licensed contractor approved by IHP.

Contact IHP at the address provided herein to obtain a listing of approved dealers/distributors. **IHP shall in no event be responsible for any warranty work done by a contractor that is not approved without first obtaining IHP's prior written consent.**

HOW TO REGISTER A CLAIM AGAINST WARRANTY

In order for any claim under this warranty to be valid, you must contact the IHP dealer/distributor from which you purchased the product. If you cannot locate the dealer/distributor, then you must notify IHP in writing. IHP must be notified of the claimed defect in writing within 90 days of the date of failure. Notices should be directed to the IHP Warranty Department at 1508 Elm Hill Pike, Suite 108; Nashville, TN 37210 or visit our website at WWW.SUPERIORFIREPLACES.US.COM.

KEEP THIS WARRANTY

Model (located on product or identification tag) _____

Serial No. (located on product or identification tag) _____

Date Purchased _____

Keep receipt for warranty verification.

Canadian code CAN/ULC-S610-M87 and other pertinent codes require stainless steel chimney for the installation of this fireplace. A Cold Air Climate Kit is also required in Canada and is recommended for cooler regions in the United States. Below, find a list of approved stainless steel parts.

Chimney Parts List for Canada

Model No.	8" Hi-Temp Woodburning Chimney
12-8HT	12" Section Double Wall Pipe
18-8HT	18" Section Double Wall Pipe
24-8HT	24" Section Double Wall Pipe
36-8HT	36" Section Double Wall Pipe
48-8HT	48" Section Double Wall Pipe
30E-8HT	30" Offset and Return
12S-8HT	Chimney Support
RT-8HT	Round Top w/ Mesh Screen
RTT-8HT*	Round Top w/ Slip Section & Mesh
RLT-8HT	Round Top w/ Louvers
RLTT-8HT*	Round Top w/ Slip Section & Louvers
ET-8HT*	Square Top
ETL-8HT*	Square Top w/ Slip Section
AP-8HT	Anchor Plate/Collar Assembly (Masonry Fireplaces)
CAK-8	Cold Air Collar Kit

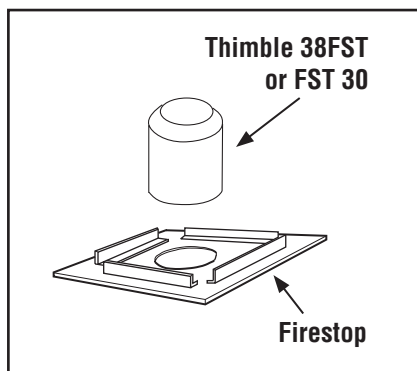
*When ordered alone, this part cannot ship via parcel delivery services.

IMPORTANT NOTICE

A manufactured shroud which has been approved by a national testing agency for use with this fireplace may be used if installed in accordance with the instructions by its manufacturer. A locally fabricated shroud may be used with IHP Shroud Leg Spacer Kit (SLK) in accordance with instructions provided with the shroud.

IMPORTANT NOTICE

When penetrating a ceiling into an attic, a firestop thimble (38FST or FST30) is required to avoid intrusion by insulation and recommended to negotiate a joist.



NOTICE: The firebox canopy (hood) must not be modified or replaced with a canopy that may be provided with the unvented decorative room heater.

CAUTION: THE STRUCTURAL INTEGRITY OF THE MANUFACTURED HOME FLOOR, WALL, AND CEILING/ROOF MUST BE MAINTAINED.

WARNING: DO NOT INSTALL IN SLEEPING ROOM OF MOBILE HOMES.

WARNING: Discontinue use of the appliance immediately if doors are damaged and contact a qualified installer for repair. Only doors certified with the appliance shall be used.

WARNING: Do not slam or strike doors. Damage can result in a hazardous condition.



P126601-01



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126601-01
Rev. A
02/14