

# heatilator®

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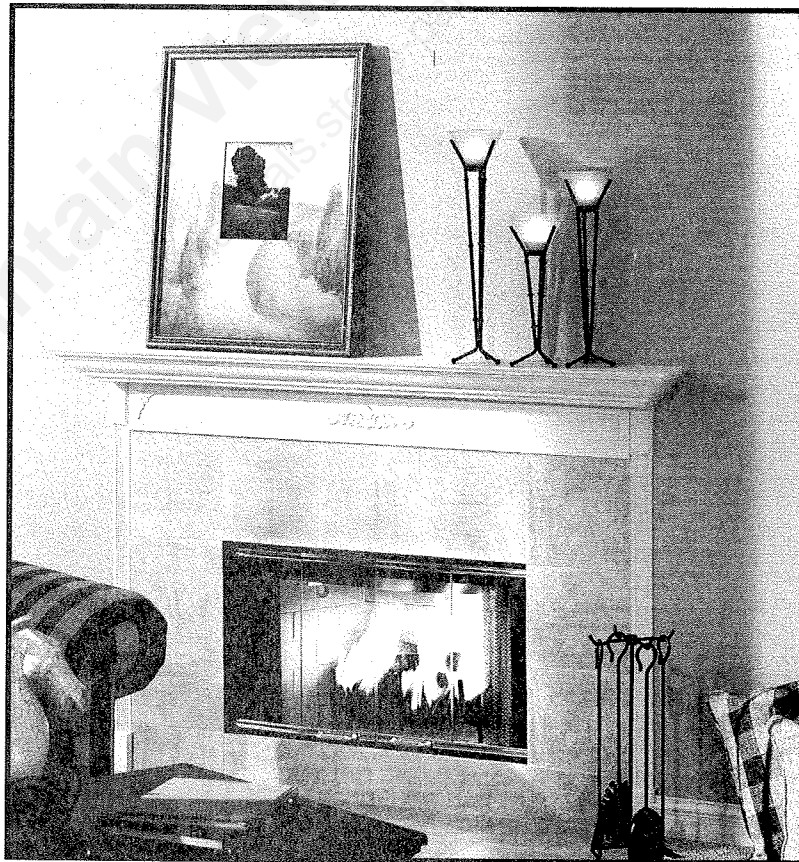
Hearth Technologies - Mt. Pleasant  
1915 W. Saunders Street  
Mt. Pleasant, IA 52641  
Division, HON INDUSTRIES  
www.heatilator.com



## HR36 HC36 WOODBURNING FIREPLACE INSTALLATION & OPERATING INSTRUCTIONS

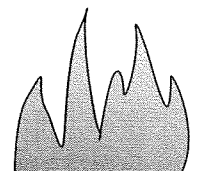
### **ATTENTION INSTALLER!**

**THIS INSTRUCTION MANUAL MUST REMAIN WITH  
THE HOME OWNER FOR FUTURE REFERENCE AND  
WARRANTY INFORMATION!**

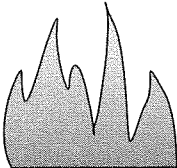


Model HR36 shown

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**PLEASE RETAIN THIS MANUAL FOR FUTURE REFERENCE**

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**CAUTION:** Do not expose the fireplace to the elements (i.e. Rain, etc.) and keep the fireplace dry at all times. Wet insulation will produce an odor when the fireplace is used.

**Safety Precautions:**

1. Please read these Installation Instructions completely before beginning installation procedures. Failure to follow them could cause a fireplace malfunction resulting in serious injury and/or property damage.
2. Always check your local building Codes prior to installation. The installation must comply with all local, regional, state and national codes and regulations.
3. An adequate supply of replacement combustion air from outside the house must be available to the fire for the fireplace to operate properly. To achieve this, the use of the optional outside air kit is highly recommended.

In the event the home is unusually tightly sealed, the optional combustion air kit may not provide all the air required to support combustion. Heatilator is not responsible for any smoking or related problems that may result from the lack of adequate combustion air. It is the responsibility of the builder/contractor to ensure that adequate combustion air has been provided for the fireplace.

4. The H Series Woodburning Fireplace must be installed with the Hearth Technologies Inc. (HTI) SL300 Series chimney system.

The chimney system must always terminate outside the building. Be sure to follow all chimney specifications given in these installation instructions.

5. **NEVER** leave children unattended when there is a fire burning in the fireplace.
6. This fireplace is built for solid fuel only. **NEVER** use gasoline, gasoline type lantern fuel, kerosene, charcoal lighter fluid, or similar liquids in this fireplace. Keep any flammable liquids a safe distance from the fireplace.
7. **DO NOT** use chimney cleaners or flame colorants in your fireplace.
8. The flue damper must be open at all times when the fireplace is in use.
9. While servicing this fireplace, always shut off any electricity or gas to the fireplace. This will prevent possible electric shock or burns. Also, make sure the fireplace is completely cooled before servicing.
10. To ensure a safe fireplace system and to prevent the build up of soot and creosote, inspect and clean the fireplace and chimney prior to use and periodically during the burning season. See Page 23 for cleaning instructions.

## A. LISTINGS AND CODE APPROVALS

The H Series fireplace system has been tested and listed in accordance with UL127 Standards, and has been listed by Underwriters Laboratories Inc. for installation and operation in the United States as described in these Installation and Operating Instructions.

The H Series fireplace has been tested and listed for use with the optional components given on page 4. These optional components may be purchased separately and installed at a later date. However, installation of an outside air kit will require significant reconstruction, and should be installed at the time of the initial fireplace installation.

Check with your local building code agency prior to installing this fireplace to ensure compliance with local codes, including the need for permits and follow-up inspections. If any assistance is required during installation, please contact your local dealer or contact Technical Services at: Hearth Technologies-Mt. Pleasant, 1915 West Saunders Street, Mt. Pleasant, IA 52641 (1-800-843-2848). Division, HON INDUSTRIES.

Heatilator® is a registered trademark of Hearth Technologies Inc.

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### WARNING!

**THIS HEATILATOR FIREPLACE AND ITS COMPONENTS ARE DESIGNED TO BE INSTALLED AND OPERATED AS A SYSTEM. ANY ALTERATION TO OR SUBSTITUTION FOR ITEMS IN THIS SYSTEM, UNLESS ALLOWED BY THESE INSTALLATION INSTRUCTIONS, WILL VOID THE UNDERWRITERS LABORATORIES LISTING AND MAY VOID THE PRODUCT WARRANTY. IT MAY ALSO CREATE A HAZARDOUS INSTALLATION. READ THROUGH THESE INSTRUCTIONS THOROUGHLY BEFORE STARTING YOUR INSTALLATION AND FOLLOW THEM CAREFULLY THROUGHOUT YOUR PROJECT.**

## B. DESCRIPTION OF THE FIREPLACE SYSTEM

The HEATILATOR® fireplace system consists of the following:

1. Fireplace/Integral Grate/Blower
2. Hearth Extension
3. Chimney System
4. Chimney Termination Cap

Optional components include:

1. Glass Doors
2. Outside Combustion Air System
3. Heat Circulating Fans

**NOTE:** Illustrations throughout these instructions reflect "typical installations" and are for design purposes only. Actual installation may vary slightly due to individual design preferences. However, minimum and maximum clearances must be maintained at all times.

The illustrations and diagrams used throughout these installation instructions are not drawn to scale.

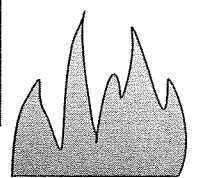
Tools and building supplies normally required for installation:

**Tools:**

- Saw
- Pliers
- Hammer
- Phillips Screwdriver
- Tape Measure
- Plumb Line
- Level
- Electric Drill/Bits
- Framing Square

**Building Supplies:**

- Hearth Extension Material
- Wall-finishing Materials
- Framing Material
- Fireplace Surround
- Caulking Material

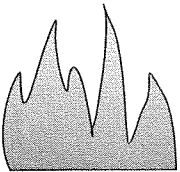


**C. FIREPLACE SYSTEM COMPONENTS**

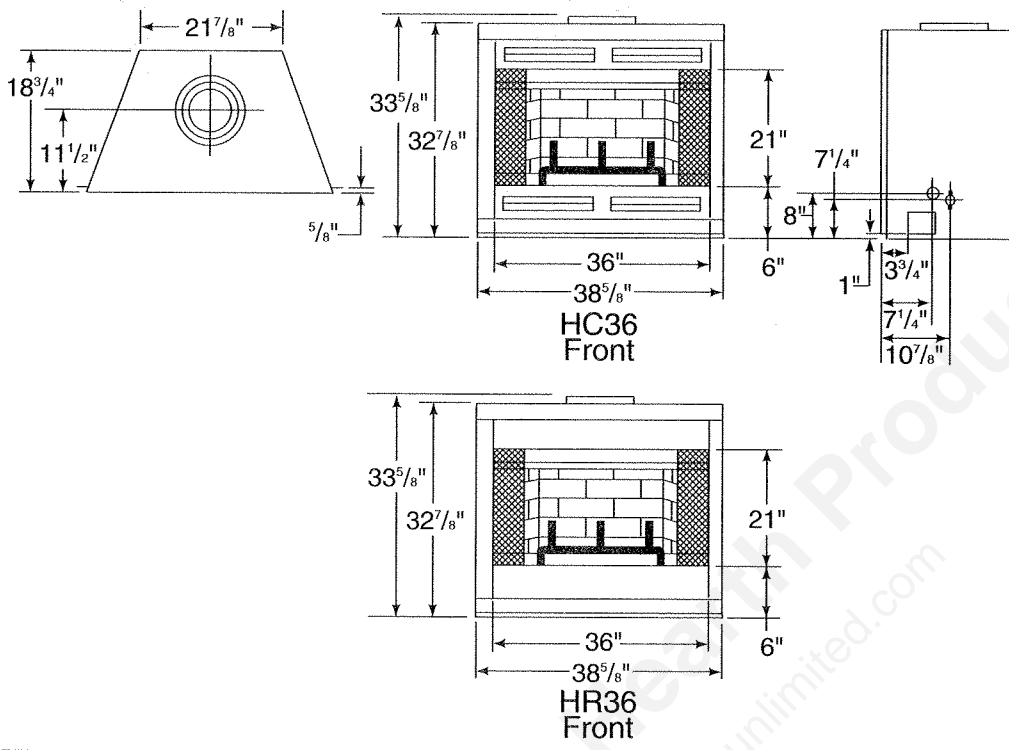
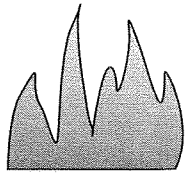
The Table below shows only those components which may be safely used with this fireplace.

Catalog #	Description:
HR36	Radiant Fireplace, includes Integral Grate and Hearth Protection Strips.
HC36	Heat Circulating Fireplace, includes Integral Grate and Hearth Protection Strips.
HX3	Hearth Extension
DM1036	Glass Doors - Original Series - Black Finish
DM1036B	Glass Doors - Original Series - Polished Brass Finish
GR16	Integral Grate (included with Fireplace)
AK22	Outside Air Kit
FK22	Fan Kit with Electrical Junction Box (HC36 ONLY)
BC10	Fan Motor Rheostat Control (HC36 ONLY)
JK9	Electrical Junction Box (HC36 ONLY)
ID4	Insulated Duct/Outside Air
UD4	Uninsulated Duct/Outside Air
SL306	Chimney Section - 6" long
SL312	Chimney Section - 12" long
SL318	Chimney Section - 18" long
SL324	Chimney Section - 24" long
SL336	Chimney Section - 36" long
SL348	Chimney Section - 48" long
SL3	Chimney Stabilizer
SL315	Chimney Offset/Return - 15°
SL330	Chimney Offset/Return - 30°
FS338	Firestop - Straight
FS339	Firestop - 15°
FS340	Firestop - 30°
AS8	SL300 Straight Attic Insulation Shield - 24"
JB877	Chimney Joint Band
CB876	Chimney Bracket
RF370	Roof Flashing - Flat to 6/12 Pitch
RF371	Roof Flashing - 6/12 to 12/12 Pitch
TR342	Telescoping Chimney Termination Cap - Round
TR344	Chimney Termination Cap - Round (Storm collar included)
ST375	Chimney Termination Cap - Square
TS345	Chimney Termination Cap - Square
TS345P	Chimney Termination Cap - Square (Painted)
CT35	Chase Top
LDS33	3' x 3' Decorative Shroud
LDS46	4' x 6' Decorative Shroud

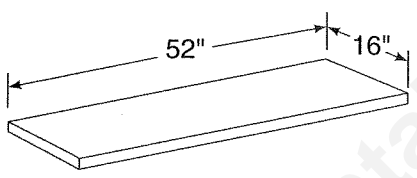
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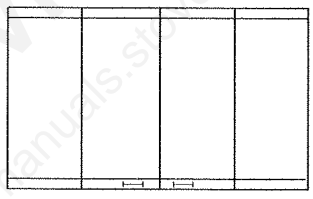


**HEARTH EXTENSION**



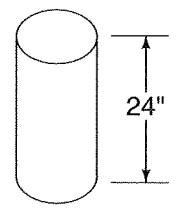
**HX3**

**GLASS DOORS**



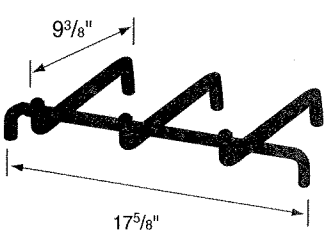
**DM1036  
DM1036B**

**STRAIGHT ATTIC INSULATION SHIELD**



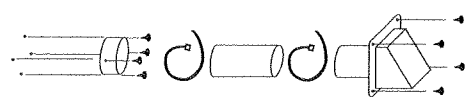
**AS8**

**INTEGRAL GRATE**



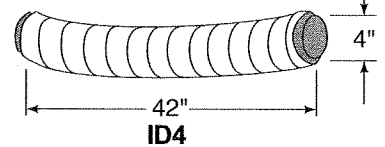
**GR16**

**OUTSIDE AIR KIT**



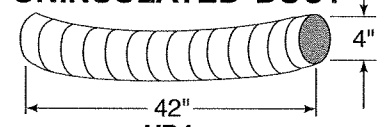
**AK22**

**INSULATED DUCT**



**ID4**

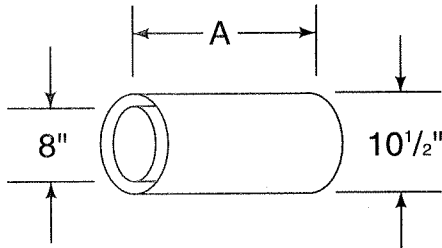
**UNINSULATED DUCT**



**UD4**

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**CHIMNEY SECTIONS**

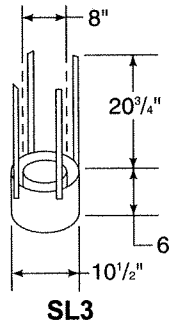


Catalog #	A	B
SL306	6"	4 <sup>3</sup> / <sub>4</sub> "
SL312	12"	10 <sup>3</sup> / <sub>4</sub> "
SL318	18"	16 <sup>3</sup> / <sub>4</sub> "
SL324	24"	22 <sup>3</sup> / <sub>4</sub> "
SL336	36"	34 <sup>3</sup> / <sub>4</sub> "
SL348	48"	46 <sup>3</sup> / <sub>4</sub> "

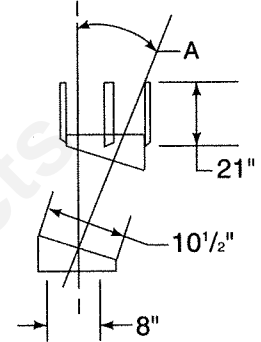
A = Actual length

B = Effective length (length of chimney part after it has been snapped to another)

**CHIMNEY STABILIZER**

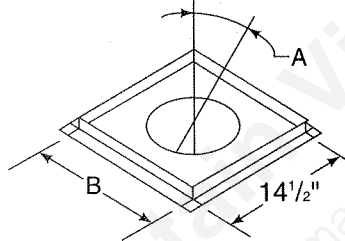


**OFFSETS AND RETURNS**



Catalog #	A
SL315	15°
SL330	30°

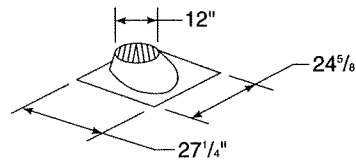
**FIRESTOP SPACERS**



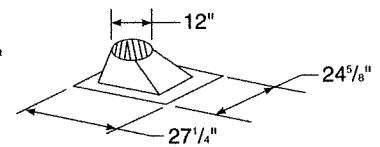
FS338

Catalog #	A	B
FS338	0°	14 <sup>1</sup> / <sub>2</sub> "
FS339	15°	18 <sup>3</sup> / <sub>8</sub> "
FS340	30°	23"

**ROOF FLASHING**

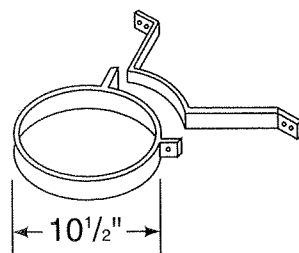


Flat to 6/12 Pitch  
RF370



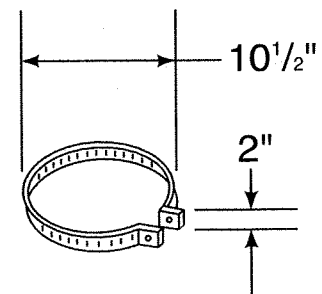
6/12 to 12/12 Pitch  
RF371

**CHIMNEY BRACKET**



CB876

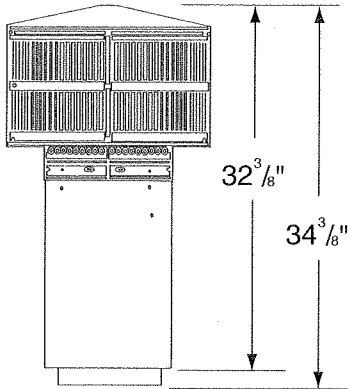
**JOINT BAND**



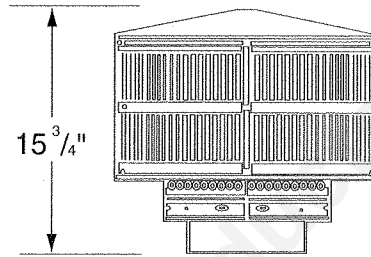
JB877



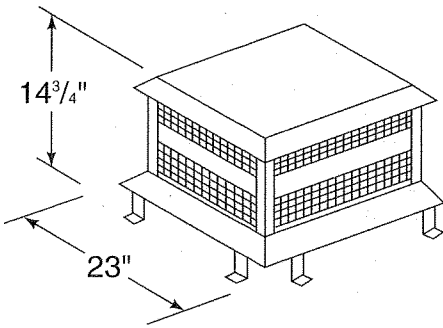
CHIMNEY TERMINATION CAPS & VENT SECTIONS



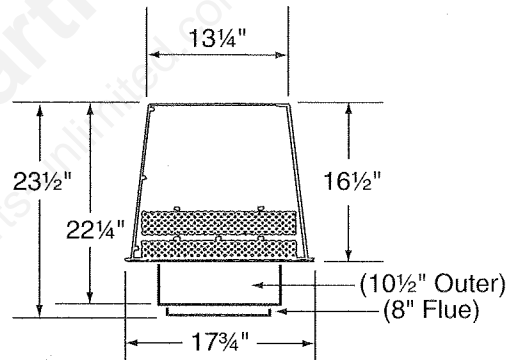
**TR342**  
ROUND TERMINATION CAP



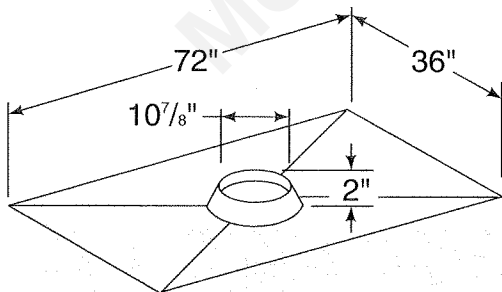
**TR344**  
ROUND TERMINATION CAP



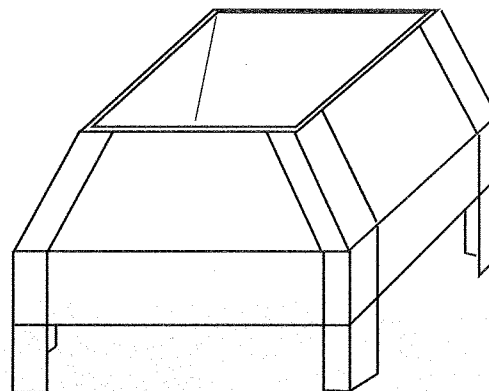
**ST375**  
SQUARE TERMINATION CAP



**TS345**  
SQUARE TERMINATION CAP

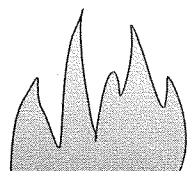


**CT35**  
CHASE TOP



**LDS33, LDS46**  
DECORATIVE SHROUD

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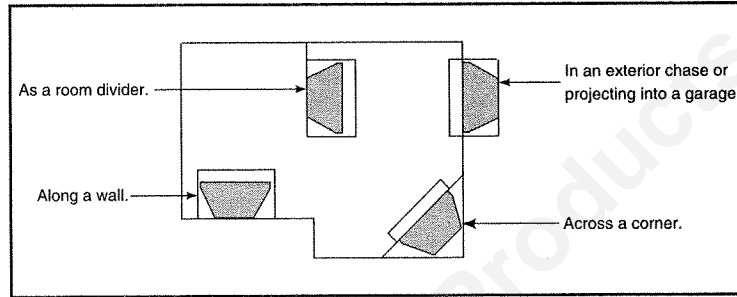


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## D. PRE-INSTALLATION PREPARATION

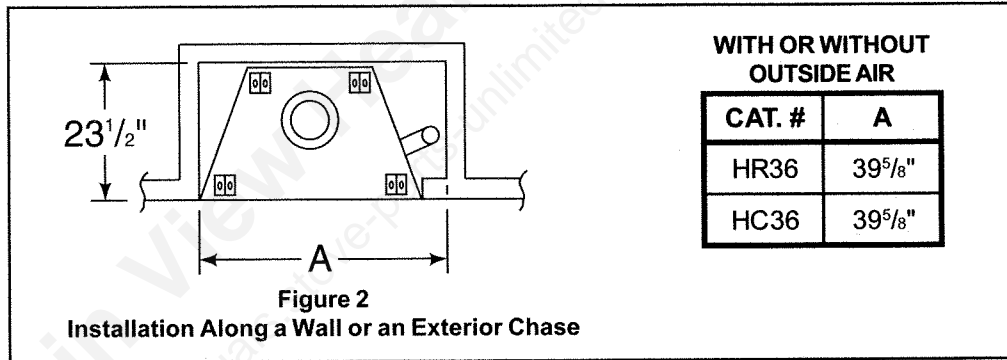
### 1. FIREPLACE LOCATIONS AND SPACE REQUIREMENTS

Several options are available to you when choosing a location for your fireplace. This fireplace may be used as a room divider, installed along a wall, across a corner or use an exterior chase. See Figure 1.

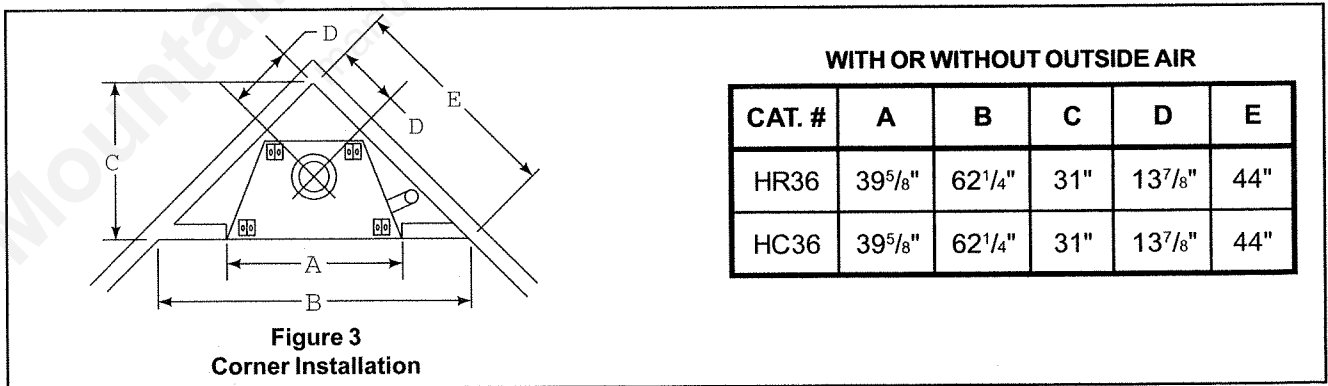


**Figure 1**  
Fireplace Locations

Figures 2 and 3 show two typical installations assuming an outside air kit is being used. Therefore, an allowance must be made for 90° bends. Less space is required when ducting goes directly outside without forming elbows.



**Figure 2**  
Installation Along a Wall or an Exterior Chase



**Figure 3**  
Corner Installation

### WARNING!

**DO NOT DRAW OUTSIDE AIR FROM GARAGE SPACES. EXHAUST PRODUCTS OF GASOLINE ENGINES ARE HAZARDOUS.**

**DO NOT INSTALL OUTSIDE AIR DUCTS SUCH THAT THE AIR MAY BE DRAWN FROM ATTIC SPACES, BASEMENTS OR ABOVE THE ROOFING WHERE OTHER HEATING APPLIANCES OR FANS AND CHIMNEYS EXHAUST OR UTILIZE AIR.**

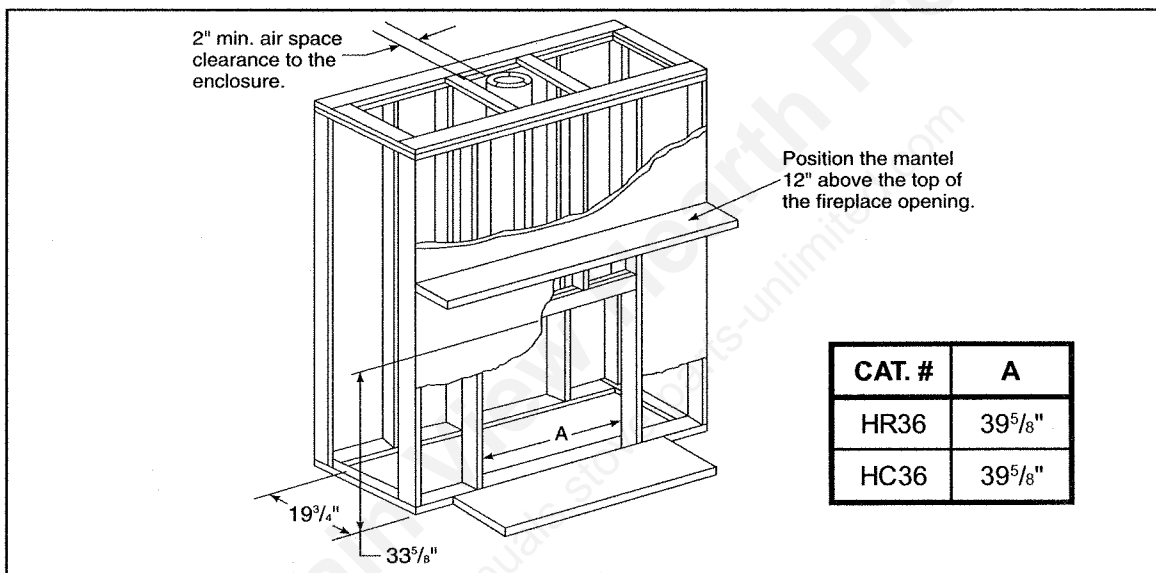
**THESE PRECAUTIONS WILL REDUCE THE POSSIBILITY FOR SMOKING OR FLOW REVERSAL.**

**WARNING!**

**TO PREVENT CONTACT WITH SAGGING OR LOOSE INSULATION, THE FIREPLACE MUST NOT BE INSTALLED AGAINST VAPOR BARRIERS OR EXPOSED INSULATION. LOCALIZED OVERHEATING COULD OCCUR AND A FIRE COULD RESULT.**

**2. FRAMING THE FIREPLACE**

Figure 4 shows a typical framing (using 2 x 4 lumber) of the fireplace, assuming combustible materials are used. All required clearances to combustibles around the fireplace must be adhered to. Any framing across the top of the fireplace must be above the level of the hemmed edge along the top of the fireplace assembly. Vertical framing at the side of the fireplace assembly to which the side nailing flanges are attached must be perpendicular to the face of the fireplace and may have point contact with the side of the fireplace at the nailing flanges. A 1" air clearance must be maintained at the back and sides of the fireplace assembly. Chimney sections **at any level** require a 2" minimum air space clearance between the framing and chimney section.



**Figure 4**  
**Framing the Fireplace**

**Combustible Material.** Material made of or surfaced with wood, compressed paper, plant fibers, plastics, or any material capable of igniting and burning, whether flame proofed or not, plastered or unplastered.

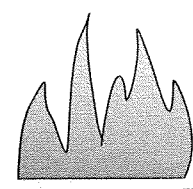
**Noncombustible Material.** Material which will not ignite and burn. Such materials are those consisting entirely of steel, iron, brick, tile, concrete, slate, glass or plasters, or combination thereof.

**Noncombustible Sealant Material.** Sealants that will not ignite and burn; General Electric RTV103 Black) or equivalent, Rutland, Inc. Fireplace Mortar #63 or equivalent.

After completing the framing and applying the facing material (dry wall) over the framing, a noncombustible sealant, 1/2" wide bead (maximum), must be used to close off any gaps at the top and sides between the fireplace and facing to prevent cold air leaks.

Only noncombustible materials may be used to cover the black metal fireplace front.

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**WARNING!**

**DO NOT APPLY FINISHING MATERIALS OVER THE BOTTOM AIR INLET SLOTS NEAR THE GLASS DOOR OPENING ON THE FACE OF THESE FIREPLACES. THIS WILL BLOCK THE FLOW OF COOLING AIR AND MAY CAUSE DANGEROUSLY HIGH TEMPERATURES ON COMBUSTIBLE SURFACES OR ON THE FIREPLACE ITSELF.**

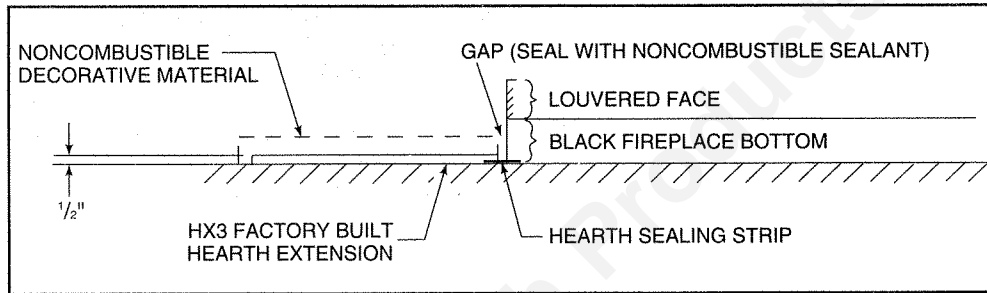
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### 3. HEARTH EXTENSIONS

An hearth extension must be installed with all fireplaces. It is to protect the combustible floor in front of the fireplace from both radiant heat and sparks.

The construction of and materials used for a factory built hearth extension are shown in Figure 5.

A hearth extension of this construction may be covered with any noncombustible decorative material and may have a maximum thickness of 6" for the HR36 and 3" for the HC36. Seal gaps between the hearth extension and the front of the fireplace with a noncombustible sealant.



**Figure 5**  
**Factory Built Hearth Extension**

Field Constructed Hearth Extensions should be constructed in accordance with Figure 6 instructions. In all cases, the Hearth Extension must extend a minimum of 16" to the front and extend 8" on either side of the fireplace opening.

NON-COMBUSTIBLE DECORATIVE COVERING OR .018 MIN. SHEET METAL

INSULATION MIN. R VALUE 1.16

EXAMPLES OF INSULATION

	REQUIRED THICKNESS	K VALUE
USG MICORE CV230	1/2"	0.43

(THERMAL CONDUCTIVITY) "k" = BTU in./hr. ft.<sup>2</sup> °F

TO SUBSTITUTE ALTERNATE INSULATION MATERIAL, YOU NEED TO KNOW THE "K" FACTOR FOR THAT MATERIAL. TO CALCULATE THE REQUIRED THICKNESS FOR THE ALTERNATE MATERIAL USE THE FOLLOWING FORMULA:

$$\frac{K \text{ ALT}}{.43} \times 5 = \text{THICKNESS OF ALTERNATE MAT. (INCHES)}$$

EXAMPLE: "K" OF BRICK = 5

$$\frac{5}{.43} \times 5 = 5.81 \text{ in. OF BRICK.}$$

**Figure 6**  
**Field Constructed Hearth Extension**

**WARNING!**

**HEARTH EXTENSIONS ARE TO BE INSTALLED ONLY AS ILLUSTRATED TO PREVENT HIGH TEMPERATURES FROM OCCURRING ON CONCEALED COMBUSTIBLE MATERIALS. HEARTH SEALING STRIPS PREVENT BURNING OR HOT PARTICLES FROM INADVERTENTLY FALLING DIRECTLY ON COMBUSTIBLE SURFACES IN THE EVENT THE BUILDING SHOULD SETTLE AND DISTURB THE ORIGINAL CONSTRUCTION.**

**4. SIDEWALLS/SURROUNDS**

Adjacent combustible side walls must be located a minimum of 12" from the fireplace opening. See Figure 7. If you are using a decorative surround constructed of combustible material, it must be located within the shaded area defined in Figure 7. Short stub walls are also acceptable if they are contained within the shaded area.

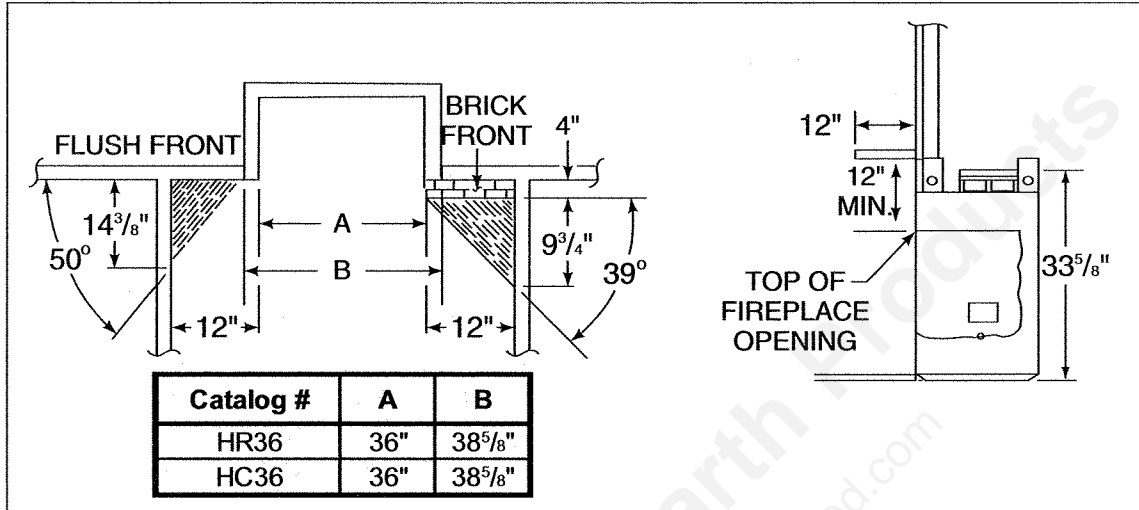


Figure 7  
Sidewalls/Surrounds

**5. MANTEL**

A combustible mantel may be positioned no lower than 12" above the opening of the fireplace. The combustible mantel may have a maximum depth of 12". Combustible trim materials, projecting no more than 1 1/2" from the face of the fireplace, projecting no more than 6" from the top and side of the fireplace opening. See the shaded area as defined in Figure 7. Combustible trim must not cover the black metal surfaces of the fireplace. This mantel clearance is in accordance with Section 7-3.3.3 of ANSI/NFPA 211.

**E. CHIMNEY REQUIREMENTS**

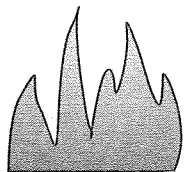
When planning your fireplace location, the chimney construction and necessary clearances must be considered. The fireplace system and chimney components have been tested to provide the following flexibility in construction. The following figures are the minimum distances from the base of the unit.

Minimum overall straight height	14.5 ft.
Minimum height with Offset/Return	14.5 ft.
Maximum height	90 ft.
Maximum chimney length between an Offset/Return	12 ft.
Maximum distance between chimney stabilizers	35 ft.
Double Offset/Return minimum height	20 ft.
Maximum unsupported chimney length between offset/return	6 ft.
Maximum straight unsupported chimney height above the fireplace	25 ft.

**1. USING OFFSETS AND RETURNS**

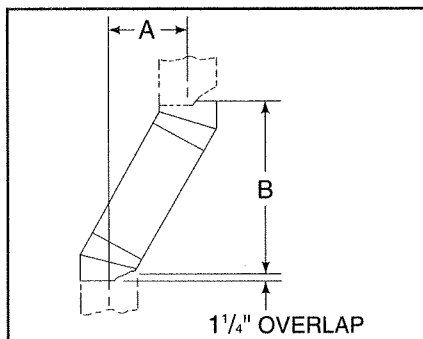
- a. To bypass any overhead obstructions, the chimney may be offset using a 15° offset/return (SL315) or 30° offset/return (SL330). Perform the following steps to determine the correct chimney component combination for your particular installation.
- b. An offset and return may be attached together or a chimney section(s) may be used between an offset and return. However, the distance between two elbows must never exceed 12' in total length.
  - 1) Measure how far the chimney needs to be shifted to enable it to avoid the overhead obstacle. See Figure 8, dimension "A".
  - 2) After determining the offset dimension, refer to Table 1 and find the "A" dimension closest to, **but not less than**, the distance of shift needed for your installation.

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- 3) The "B" dimensions that coincide with the "A" dimensions represent the required vertical clearance that is needed to complete the offset and return.
- 4) Read across the chart and find the number of chimney sections required and the model number of those particular chimney parts.



**Figure 8**  
Chimney Offset and Return

- 5) Whenever the chimney penetrates a floor and/or a ceiling, a firestop spacer must be installed.
- 6) The effective height of the fireplace assembly is 33<sup>5</sup>/<sub>8</sub>"

**Example:** Your "A" dimension from Figure 8 is 14<sup>1</sup>/<sub>2</sub>". Using Table 1, the dimension closest to, **but not less than**, 14<sup>1</sup>/<sub>2</sub>" is 14<sup>5</sup>/<sub>8</sub>" using the 30° offset/return. It is then determined from the table that you would need 33" (dimension "B") between the offset/return. The chimney components that best fit your application are two SL312's.

**WARNING!**

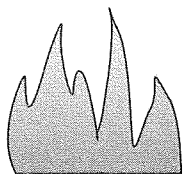
**DO NOT COMBINE OFFSETS TO CREATE AN OFFSET GREATER THAN 30° FROM VERTICAL. THIS MAY CRATE A FIRE HAZARD SINCE THE NATURAL DRAFT MAY BE RESTRICTED.**

**TABLE 1**

**OFFSET CHART\***

15°		30°		SL306	SL312	SL318	SL324	SL336	SL348
A	B	A	B						
1 <sup>5</sup> / <sub>8</sub> "	13 <sup>3</sup> / <sub>8</sub> "	3 <sup>7</sup> / <sub>8</sub> "	14 <sup>1</sup> / <sub>2</sub> "	-	-	-	-	-	-
2 <sup>7</sup> / <sub>8</sub> "	17 <sup>3</sup> / <sub>4</sub> "	6 <sup>1</sup> / <sub>4</sub> "	18 <sup>5</sup> / <sub>8</sub> "	1	-	-	-	-	-
-	-	8 <sup>5</sup> / <sub>8</sub> "	23"	2	-	-	-	-	-
4 <sup>1</sup> / <sub>2</sub> "	23 <sup>5</sup> / <sub>8</sub> "	9 <sup>1</sup> / <sub>4</sub> "	23 <sup>3</sup> / <sub>4</sub> "	-	1	-	-	-	-
-	-	11 <sup>5</sup> / <sub>8</sub> "	27 <sup>7</sup> / <sub>8</sub> "	1	1	-	-	-	-
6"	29 <sup>3</sup> / <sub>8</sub> "	12 <sup>1</sup> / <sub>4</sub> "	29"	-	-	1	-	-	-
7 <sup>1</sup> / <sub>4</sub> "	34"	14 <sup>5</sup> / <sub>8</sub> "	33"	-	2	-	-	-	-
-	-	15 <sup>1</sup> / <sub>4</sub> "	34 <sup>1</sup> / <sub>8</sub> "	-	-	-	1	-	-
-	-	17 <sup>5</sup> / <sub>8</sub> "	38 <sup>1</sup> / <sub>4</sub> "	1	-	-	1	-	-
-	-	20 <sup>5</sup> / <sub>8</sub> "	43 <sup>1</sup> / <sub>2</sub> "	-	-	2	-	-	-
10 <sup>5</sup> / <sub>8</sub> "	46 <sup>3</sup> / <sub>4</sub> "	21 <sup>1</sup> / <sub>4</sub> "	44 <sup>5</sup> / <sub>8</sub> "	-	-	-	-	1	-
11 <sup>7</sup> / <sub>8</sub> "	51 <sup>3</sup> / <sub>8</sub> "	23 <sup>5</sup> / <sub>8</sub> "	48 <sup>3</sup> / <sub>8</sub> "	1	-	-	-	1	-
-	-	26 <sup>5</sup> / <sub>8</sub> "	53 <sup>7</sup> / <sub>8</sub> "	-	-	-	2	-	-
13 <sup>3</sup> / <sub>4</sub> "	58 <sup>3</sup> / <sub>8</sub> "	27 <sup>1</sup> / <sub>4</sub> "	55 <sup>3</sup> / <sub>4</sub> "	-	-	-	-	-	1
15"	63"	29 <sup>5</sup> / <sub>8</sub> "	59"	1	-	-	-	-	1
16 <sup>1</sup> / <sub>2</sub> "	68 <sup>3</sup> / <sub>4</sub> "	32 <sup>5</sup> / <sub>8</sub> "	64 <sup>1</sup> / <sub>4</sub> "	-	1	-	-	-	1
18"	74 <sup>5</sup> / <sub>8</sub> "	35 <sup>5</sup> / <sub>8</sub> "	69 <sup>1</sup> / <sub>2</sub> "	-	-	1	-	-	1
-	-	38 <sup>5</sup> / <sub>8</sub> "	74 <sup>5</sup> / <sub>8</sub> "	-	-	-	1	-	1
-	-	41"	78 <sup>3</sup> / <sub>4</sub> "	1	-	-	1	-	1
22 <sup>3</sup> / <sub>4</sub> "	91 <sup>7</sup> / <sub>8</sub> "	44 <sup>5</sup> / <sub>8</sub> "	85"	-	-	-	-	1	1
24"	96 <sup>1</sup> / <sub>2</sub> "	47"	89 <sup>1</sup> / <sub>8</sub> "	1	-	-	-	1	1
25 <sup>7</sup> / <sub>8</sub> "	103 <sup>1</sup> / <sub>2</sub> "	50 <sup>5</sup> / <sub>8</sub> "	95 <sup>1</sup> / <sub>2</sub> "	-	-	-	-	-	2

\* Proper assembly of air cooled chimney parts result in an overlap at chimney joints of 1-1/4". Effective length is built into this chart.



**2. CHIMNEY HEIGHT REQUIREMENTS (ABOVE THE ROOF LINE)**

a. Major building codes specify a minimum chimney height above the roof top. These specifications are summarized in what is known as the "Ten Foot Rule." This rule states:

"If the horizontal distance from the side of the chimney to the peak of the roof is 10 feet or less, the top of the chimney must be at least 2 feet above the peak of the roof, but never less than 3 feet in overall height above the highest point where it passes through the roof. See Figure 9.

"If the horizontal distance from the side of the chimney to the peak of the roof is more than 10 feet, a chimney height reference point is established on the surface of the roof a distance of 10 feet from the side of the chimney in a horizontal plane. The top of the chimney must be at least 2 feet above this reference point, but never less than 3 feet in height above the highest point where it passes through the roof."

b. These chimney heights are necessary in the interest of safety but do not ensure smoke free operation. Trees, buildings, adjoining roof lines, adverse wind conditions, etc. may create a need for a taller chimney should smoking occur.

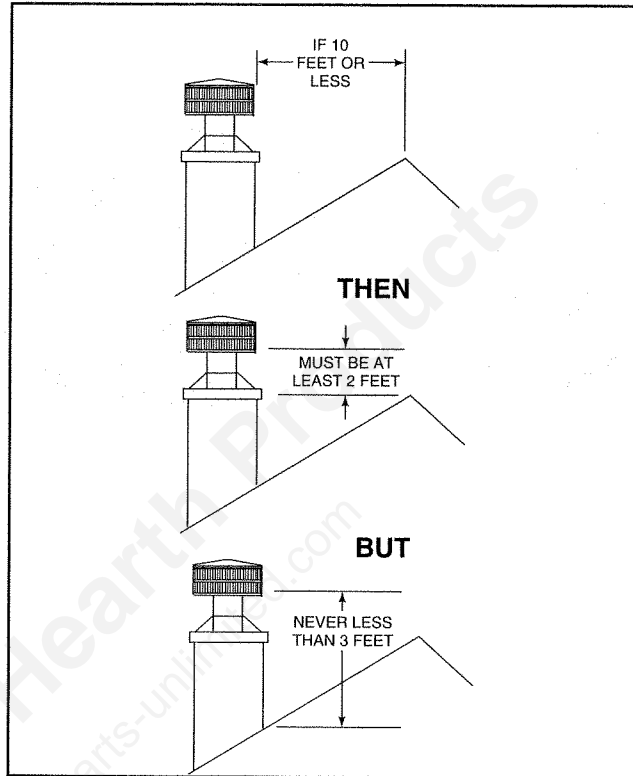


Figure 9  
Chimney Height

**3. DETERMINING THE NUMBER OF CHIMNEY SECTIONS REQUIRED**

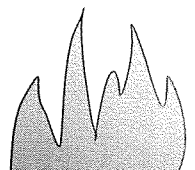
To determine the chimney components needed to complete your particular installation, follow the below steps:

- Determine the total vertical height of the fireplace installation. This dimension is measured from the base of the fireplace assembly to the point where the smoke exits the termination cap.
- Subtract the height of the fireplace assembly (33<sup>5</sup>/<sub>8</sub>" ) from the overall height of the fireplace installation.
- Refer to the chart on the right to determine what components must be selected to complete the fireplace installation.
- Determine the number of firestop spacers, stabilizers, roof flashing, etc. required to complete the fireplace installation.

HEIGHT OF CHIMNEY COMPONENTS	
<b>Chimney Stabilizer</b>	
SL3	4 <sup>3</sup> / <sub>4</sub> "
<b>Firestop Spacers</b>	
FS338	0
FS339	0
FS340	0
<b>Offsets&gt;Returns</b>	
SL315	13 <sup>3</sup> / <sub>8</sub> "
SL330	14 <sup>1</sup> / <sub>2</sub> "
<b>Roof Flashing</b>	
RF370	0
RF371	0
<b>Chimney Sections*</b>	
SL306	4 <sup>3</sup> / <sub>4</sub> "
SL312	10 <sup>3</sup> / <sub>4</sub> "
SL318	16 <sup>3</sup> / <sub>4</sub> "
SL324	22 <sup>3</sup> / <sub>4</sub> "
SL336	34 <sup>3</sup> / <sub>4</sub> "
SL348	46 <sup>3</sup> / <sub>4</sub> "

\* Dimensions reflect effective height.

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## F. STEP-BY-STEP INSTALLATION OF THE FIREPLACE SYSTEM

### WARNING!

#### BEFORE STARTING, DO THE FOLLOWING:

1. WEAR GLOVES AND SAFETY GLASSES FOR PROTECTION.
2. KEEP HAND TOOLS IN GOOD CONDITION. SHARPEN CUTTING EDGES AND MAKE SURE TOOL HANDLES ARE SECURE.
3. ALWAYS MAINTAIN THE MINIMUM AIR SPACE REQUIRED TO THE ENCLOSURE TO PREVENT FIRE.

#### STEP 1 - Positioning the Fireplace

This fireplace may be placed on either a combustible or noncombustible continuous surface. Follow the instructions for framing on page 9. **Be sure to provide the minimum 1" air clearance at the sides and back of the fireplace assembly.**

#### STEP 2 - Placing the Protective Metal Hearth Strips

Included with your fireplace you will find two metal hearth strips measuring approximately 26" x 4". These strips are used to provide added protection where the fireplace and hearth extension meet.

Slide the metal strip 2" under the front edge of the fireplace with the two pieces overlapping each other in the middle of the fireplace to provide continuous coverage of the floor. See Figure 10.

#### STEP 3 - Leveling the Fireplace

Level the fireplace side-to-side and front-to-back. Shim with noncombustible material, such as sheet metal, as necessary.

**Important:** To ensure proper fit of the glass doors, check the fireplace opening for squareness. Measure diagonal distances of the opening to make sure they are equal. If they do not equal, continue to shim the fireplace until those diagonals correspond.

Secure the fireplace by utilizing the nailing flanges located on either side of the fireplace to the vertical framing. Hold down tabs are provided at the base of the fireplace assembly for attachment to the subfloor if desired.

**NOTE:** Top header may be positioned on the hemmed seam across the top of the fireplace assembly.

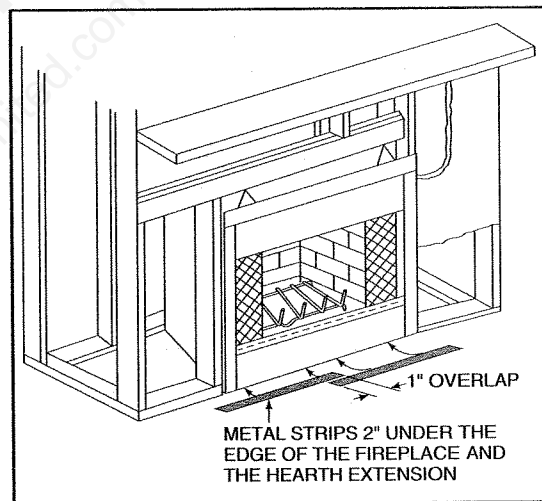
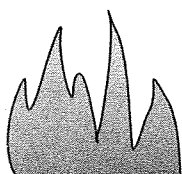


Figure 10  
Positioning the Metal Strips

### WARNING!

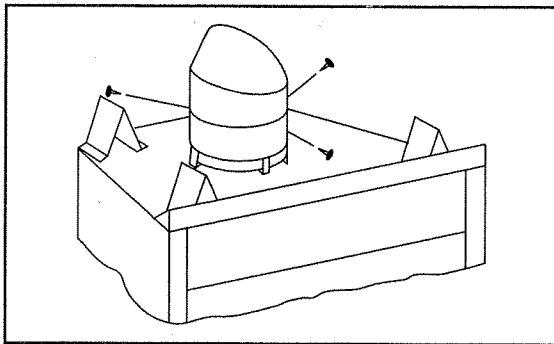
**CAREFULLY FOLLOW THE INSTRUCTIONS FOR ASSEMBLY OF THE PIPE AND OTHER PARTS NEEDED TO INSTALL THIS FIREPLACE SYSTEM. FAILURE TO DO SO MAY RESULT IN A FIRE, ESPECIALLY IF COMBUSTIBLES ARE TOO CLOSE TO THE FIREPLACE OR CHIMNEY AND AIR SPACES ARE BLOCKED PREVENTING THE FREE MOVEMENT OF COOLING AIR.**



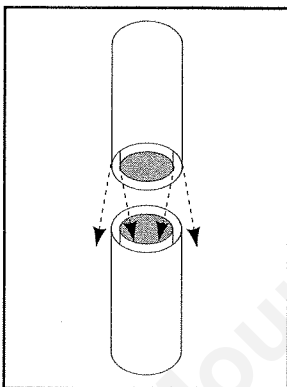
**STEP 4 - Assembling Chimney Sections**

Attach either a straight chimney section or an offset/return to the top of the fireplace. Chimney sections are locked together by pushing downward until the top section meets the stop bead on the lower section. When using offsets and returns, it is recommended the offset and return sections be secured in place with screws to ensure proper orientation. See Figure 11.

When using elbows right off of the top of the unit, you will need to flatten the lances before you slip it on the collar. Once it is on, line it up and secure it with screws to the unit collar through the slots in the elbow.



**Figure 11**  
Offset Secured to Fireplace



**Figure 12**  
Connection Chimney Sections

**NOTE:** The inner flue is placed to the inside of the flue section below it. The outer casing is placed outside the outer casing of the chimney section below it.

See Figure 12.

**STEP 5 - Preparing the Ceiling for Firestop Spacers**

Mark and cut out an opening in the ceiling for the particular firestop spacer being utilized (14<sup>1</sup>/<sub>2</sub> x 14<sup>1</sup>/<sub>2</sub>" for an FS338, 14<sup>1</sup>/<sub>2</sub>" x 18<sup>3</sup>/<sub>8</sub>" for an FS339, or 14<sup>1</sup>/<sub>2</sub>" x 23" for an FS340). Frame the opening with the same dimension lumber used in the ceiling joists.

**STEP 6 - Installing the Firestop Spacers**

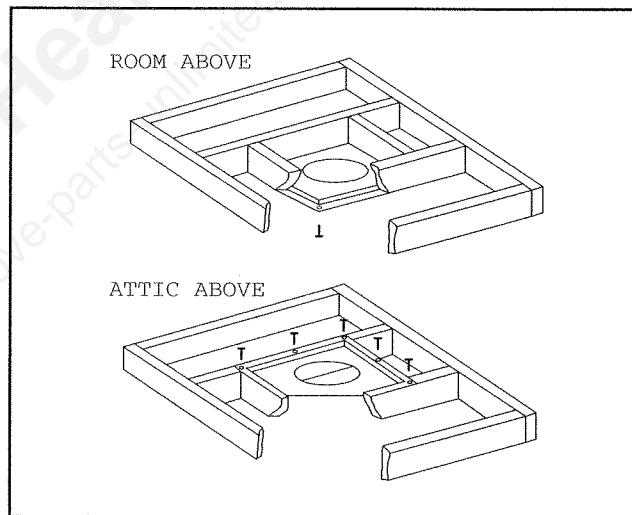
Install the firestop spacer FS338 (Straight), FS339 (if a 15° offset is located in the ceiling joist area), or FS340 (if a 30° offset is located in the ceiling joist area). Nail the four sides of the firestop spacer to the joists using a minimum of three nails per side.

**CAUTION:**

Inner flue and outer liner sections cannot be disassembled once locked together. Plan ahead to ensure the proper installation height is achieved with the selected chimney components.

These firestop spacers are designed to provide the minimum 2" air space required around the chimney. In all situations, the firestop spacers are to be nailed to the ceiling joists from the bottom or fireplace side, **EXCEPT** when the space above is an insulated ceiling or attic space. In this situation, the firestop spacer must be nailed from the top side to prevent loose insulation from falling into the required 2" air space around the chimney. See Figure 13.

**Firestop spacers must be used whenever the chimney penetrates a ceiling and/or floor area.**



**Figure 13**  
Installing the Firestop Spacer

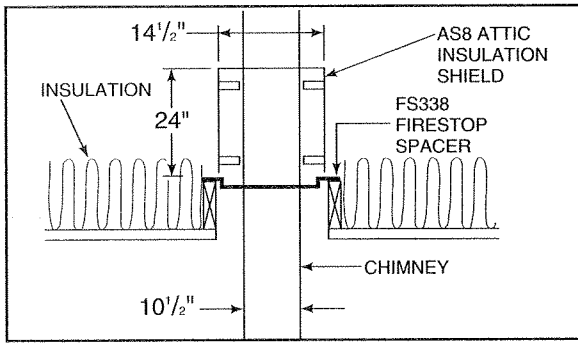
**STEP 7 - Installing an AS8 Insulation Shield**

An AS8 insulation shield should be installed when there is a possibility of insulation coming into contact with the factory built chimney system. The AS8 is installed by positioning it over the vertical chimney section where it penetrates an FS338 firestop spacer. The FS338 will support the AS8. See Figure 14 on page 16. When the factory built chimney penetrates an insulated ceiling at either 15° or 30° from vertical, an insulation dam should be constructed from plywood or sheet metal. A minimum 2" air space must be provided between the insulation dam and the factory built chimney system.

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**Figure 14**  
Installing an AS8

**STEP 8 - Double-checking the Chimney Assembly**

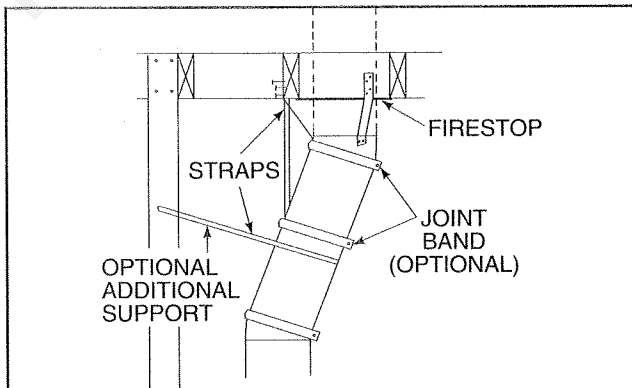
Continue assembling the chimney sections up through the firestop spacers as needed. While doing so, be aware of the height and unsupported chimney length limitations that are given on page 11 under "Chimney Requirements".

Check each section by pulling up slightly from the top to ensure proper engagement before installing the succeeding sections. If they have been connected correctly, they will not disengage when tested.

**STEP 9 - Securing Chimney System**

When offsets and returns are joined to straight pipe sections, they must be locked into position with the screws provided, using the predrilled holes. To prevent gravity from pulling the chimney sections apart the returns and the chimney stabilizers have straps for securing these parts to joists or rafters. See Figure 15.

**NOTE: Be sure to provide support for the pipe during construction and check to be sure inadvertent loading has not dislodged the chimney section from the fireplace or at any chimney joint.**

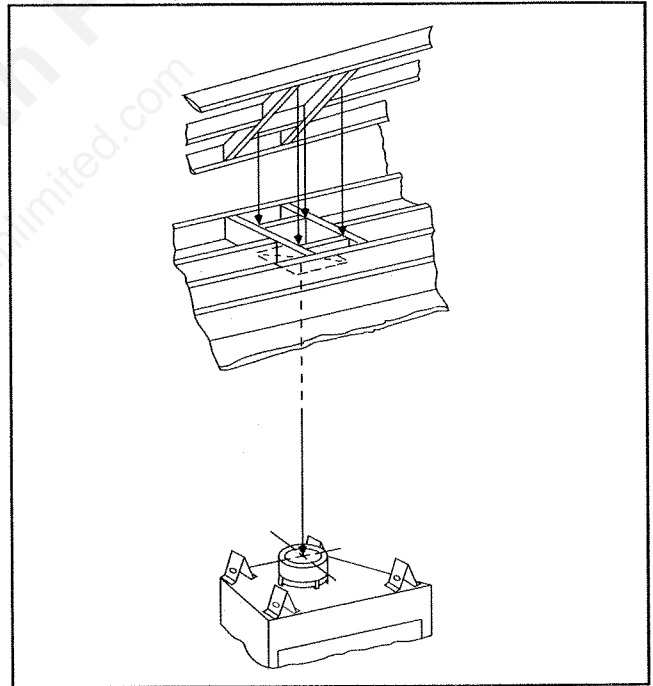


**Figure 15**  
Offset/Return with Stabilizer

**WARNING!**  
WHEN CHIMNEY SECTIONS EXCEEDING SIX FEET IN LENGTH ARE INSTALLED BETWEEN AN OFFSET/RETURN, STRUCTURAL SUPPORT MUST BE PROVIDED TO REDUCE OFF-CENTER LOADING AND PREVENT CHIMNEY SECTIONS FROM SEPARATING AT THE CHIMNEY JOINTS.

**STEP 10 - Marking the Exit Point of the Roof**

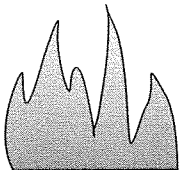
Locate the point where the chimney will exit the roof by plumbing down to the center of the chimney. Drive a nail up through the roof to mark the center. See Figure 16.



**Figure 16**  
Ceiling and Attic Construction

**STEP 11 - Cutting Out the Hole in the Roof**

Measure to either side of the nail and mark the 14 1/2" x 14 1/2" opening required. This is measured on the horizontal; actual length may be larger depending on the pitch of the roof. Cut out and frame the opening. See Chapter 25 of the Uniform Building Code for Roof Framing details. **Be sure to maintain a 2" minimum air space between the chimney section and the roof.**



## STEP 12 - Assembling the Chimney Sections

Continue to add chimney sections through the roof opening, maintaining at least a 2" air space.

## STEP 13 - Installing Roof Flashing (optional)

If a roof flashing is to be used, install the roof flashing appropriate to the roof pitch and install a TR344 termination cap (round) following the instructions shipped with these accessories.

## STEP 14 - Installing an Outside Combustion Air Kit

The outside air damper assembly is factory installed on the left hand side of the fireplace assembly. While its use is optional, it is highly recommended to minimize the effects of negative pressure within the structure. Figure 17 illustrates two of many possible methods that can be used to supply outside air to the fireplace system. To complete the outside air system install the AK22 Outside Air Kit according to the installation instructions supplied with the component. The outside air kit inlet thimble should be positioned no lower than 4' above the ground level, in a manner that will not allow snow, leaves, etc. to block the inlet.

**NOTE: The outside air kit can terminate at any level with the exception that it must terminate at least three feet below the chimney termination cap as shown in Figure 17.**

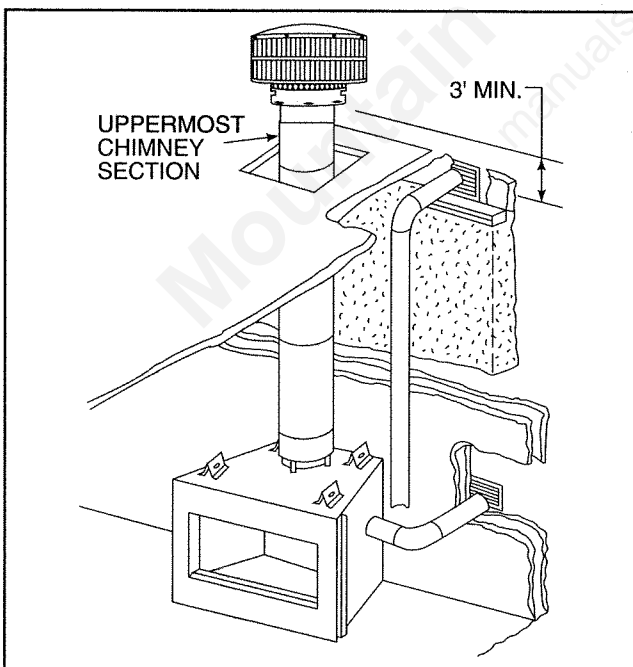


Figure 17  
Outside Air Location

## STEP 15 - Completion of the Fireplace Enclosure

Complete the fireplace enclosure allowing space for outside air ducts and gas piping if desired. Electrical wiring should not come in contact with the unit. A minimum clearance of 1" must be maintained between the fireplace sides and the enclosure as well as the fireplace back and the enclosure. See Figure 4, page 9, for framing details.

## STEP 16 - Provisions for an Optional Gas Log Set

Knockouts are provided on both sides of the fireplace to allow for connection of a certified gas log lighter or a decorative gas appliance with a maximum input of 100,000 BTU/hr. incorporating an automatic gas shutoff device and complying with the Standard for Decorative Gas Appliances for Installation in Vented Fireplaces, ANSI Z21.60. The decorative gas appliance should be installed in accordance with the National Fuel Gas Code, ANSI Z23.1-1980. The side refractories are designed to allow a 1/2" black pipe to pass through. Use a noncombustible sealant to seal any opening between the gas pipe and refractory on the inside. Repack the insulation removed to seal around the gas pipe where it exits the side of the fireplace. A minimum 1 1/2" air clearance must be provided around the 1/2" black pipe. See Figure 18.

This fireplace has been set up for installation of the gas pipe on the right hand side. If it is necessary to plumb the unit from the left hand side, remove the gas cover plate and gas tube from the right hand side of the unit and install on the left hand side. Cover the hole in the right hand side outer shell of the fireplace with the cover plate that covered the gas tube.

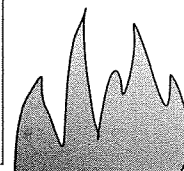
### WARNING!

**THIS FIREPLACE WAS NOT TESTED BY THE FIREPLACE MANUFACTURER FOR USE WITH AN UNVENTED GAS LOG HEATER. TO REDUCE RISK OF INJURY, DO NOT INSTALL AN UNVENTED GAS LOG HEATER IN THIS FIREPLACE UNLESS IT HAS BEEN SPECIFICALLY TESTED AND LISTED BY UNDERWRITER'S LABORATORIES INC. FOR USE IN THIS SPECIFIC MODEL FIREPLACE. UNLESS THE UNVENTED GAS LOG HEATER IS TESTED AND LISTED FOR USE IN THIS FACTORY BUILT FIREPLACE, A FIRE HAZARD MAY BE CREATED THAT CAN RESULT IN A STRUCTURE FIRE.**

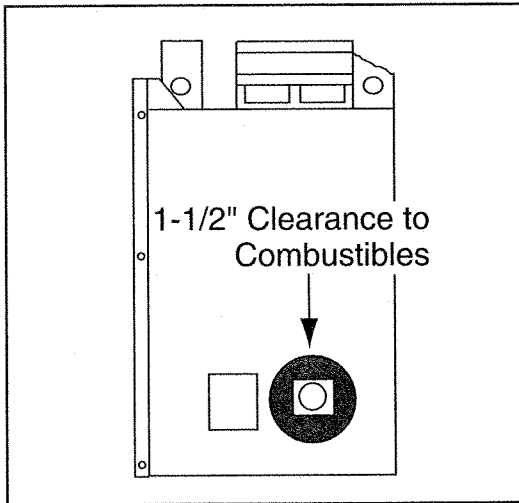
### CAUTION:

**WHEN USING A GAS LOG SET, THE FIREPLACE DAMPER MUST BE SET IN THE FULLY OPEN POSITION. THIS ENSURES A PROPER VENTING OF COMBUSTION PRODUCTS.**

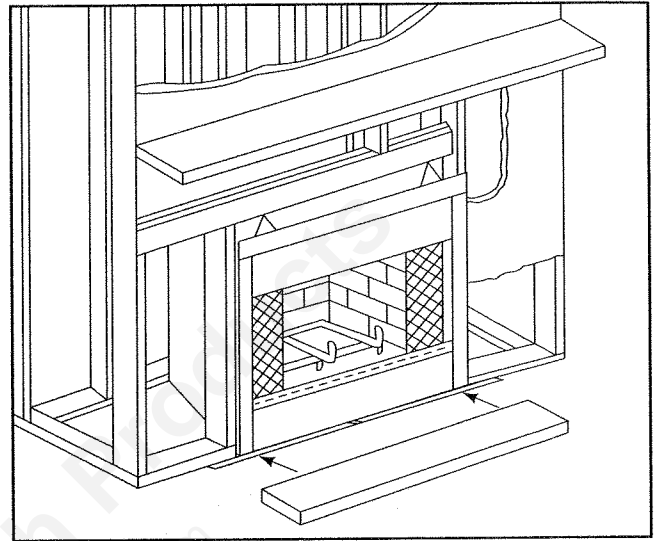
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**Figure 18**  
Gas Knockout Location



**Figure 19**  
Positioning the Hearth Extension

**STEP 18 - Installing the Firescreen**

Attach the firescreen to the fireplace side, utilizing the two hairpin clips in the columns. Use pliers to insert the clip through the last strand of screen wire and into the hole at the midpoint of the fireplace side.

**STEP 19 - Installing the Glass Doors**

If desired, or required by local building codes, install the glass doors using the instructions supplied with the particular set of doors you have chosen.

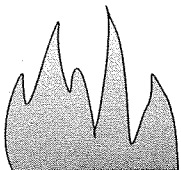
**STEP 20 - Positioning the Hearth Extension**

Position and secure the hearth extension over the protective metal strips that have been placed partially under the fireplace opening. These strips should be protruding approximately 2" from under the fireplace opening and sides. Seal the crack between the hearth extension and fireplace with a noncombustible sealant.

**STEP 21 - Applying Finishing Materials on the Hearth Extension**

Apply the noncombustible finishing material of your choice to the hearth extension. **Do not install combustible materials over the black face of the fireplace. This poses a safety hazard and may start a fire.** You may only use noncombustible material over the black face of the fireplace. Refer to Figure 7 on page 9 for combustible material information.

**DO NOT cover or restrict any of the louvered openings on the front face of the HC36 fireplace. Restricting or covering the louvered opening will create a safety hazard and may start a structure fire!**



## G. CONSTRUCTING A CHASE

A chase is a vertical boxlike enclosure built around the chimney and fireplace. A chase may be constructed for the fireplace and chimney or for the chimney only. It is most commonly constructed on an outside wall.

In cold climates, it is recommended that the chase floor be insulated using batt type insulation between the floor joists.

Three examples of chase applications are shown in Figure 21.

- 1) Fireplace and chimney enclosed in an exterior chase.
- 2) Chimney offset through exterior wall and enclosed in chase.
- 3) Chase constructed on roof.

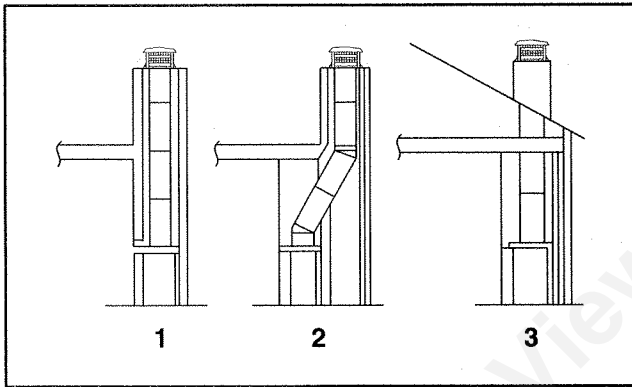


Figure 20  
Chase Constructions

### 1. MATERIALS FOR THE CHASE

- a. The chase is constructed using framing materials much the same as the walls in your home. A variety of materials may be used including brick, stone, veneer brick, or standard siding materials.
- b. In constructing the chase, several factors must be considered:
  - 1) Maintain a 1" minimum air space around the fireplace.
  - 2) Maintain a 2" air space around the chimney.
  - 3) The chase top must be constructed of a noncombustible material.
  - 4) In cold climates a firestop spacer should be installed in an insulated false ceiling at the 8 foot level above the fireplace assembly. This prevents heat loss through the fireplace.
  - 5) In cold climates, the walls of the chase should be insulated to the level of the false ceiling as shown in Figure 21. This will help prevent heat loss from the home around and through the fireplace.

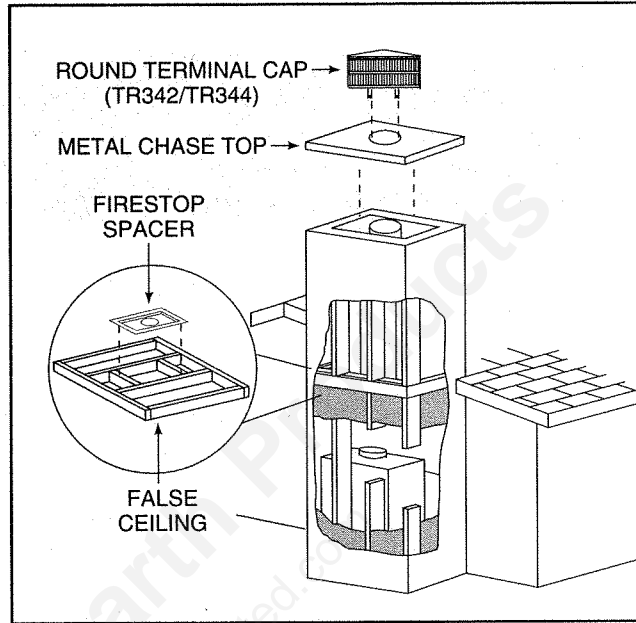


Figure 21  
Chase Assembly

### WARNING!

INSTRUCTIONS FOR INSTALLATION OF THE STORM COLLAR AND TERMINATION CAP ARE PACKAGED WITH THESE PARTS. TO AVOID DANGER OF FIRE, ALL INSTRUCTIONS MUST BE STRICTLY FOLLOWED, INCLUDING THE PROVISION OF AIR SPACE CLEARANCE BETWEEN CHIMNEY SYSTEM AND ENCLOSURE. TO PROTECT AGAINST THE EFFECTS OF METAL CORROSION ON THOSE PARTS EXPOSED TO THE WEATHER, WE RECOMMEND THAT THE CHASE TOP AND TERMINATION CAP BE PAINTED WITH A RUST-RESISTANT PAINT.

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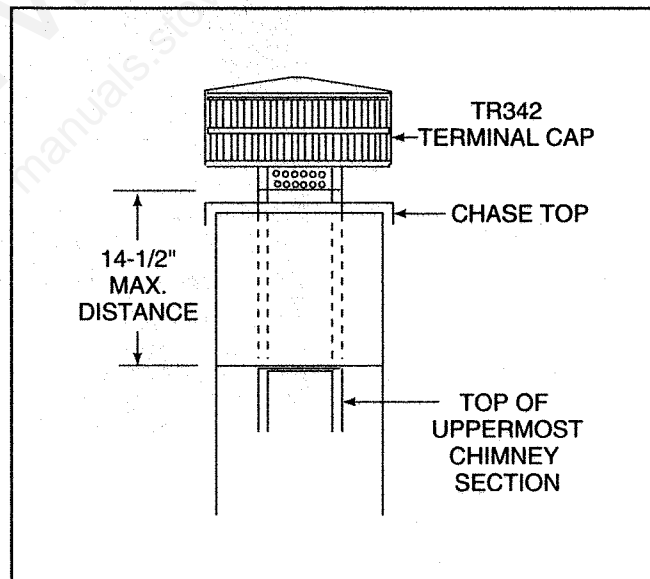


**2. INSTALLING A TERMINATION CAP ON A CHASE ENCLOSED CHIMNEY**

- a. Construct a chase of desired materials maintaining a minimum 2" air space around the chimney.

**WARNING!**  
**NEVER INSTALL A SINGLE WALL SLIP SECTION OR SMOKE-PIPE IN A CHASE STRUCTURE. THE HIGHER TEMPERATURE OF THIS SINGLE WALL PIPE MAY RADIATE SUFFICIENT HEAT TO COMBUSTIBLE CHASE MATERIALS TO CAUSE A FIRE.**

- b. Install the chimney sections up through the chase enclosure. When using a TR344 Round Termination Cap, the last section of pipe must extend above the top of the chase cone to allow installation of the storm collar and termination cap.
- c. A TR342 Telescoping Round Termination Cap is provided to simplify the installation of the termination cap on a chase installation. The uppermost chimney section must terminate below the level of the chase top, but be no more than 14 1/2" below the level of the chase top. A 2" tall flashing collar must be provided on the chase top. See Figure 22.
- d. The ST375 Square Termination Cap is intended for a chase installation. The uppermost chimney section must terminate no more than 4 3/4" below the level of the chase top. A 2" tall flashing collar must be provided on the chase top.
- e. When installing a TS345 or TS345P Square Termination Cap, the uppermost chimney section must not be more than 3" below the chase top.
- f. Attach the chase top (CT35) to the top of the chase.
- g. Install the termination cap, using the instructions provided with it.



**Figure 22**  
**Installing a Termination Cap**



## H. OPERATING INSTRUCTIONS

### WARNING!

**DO NOT OPERATE THIS FIREPLACE WITH THE FLUE DAMPER IN THE CLOSED POSITION. COMBUSTION PRODUCTS MUST VENT UP THE CHIMNEY SYSTEM TO PREVENT CARBON MONOXIDE POISONING, AND TO PREVENT HOT COMBUSTION GASES FROM CONTACTING AND OVERHEATING COMBUSTIBLE SURFACES. FAILURE TO OPERATE THIS FIREPLACE WITH THE DAMPER IN THE OPEN POSITION MAY RESULT IN ASPHYXIATION OR A STRUCTURE FIRE.**

This fireplace is intended to operate as a supplemental heat source for a single room. It is not designed to function as a primary heat source for a structure.

Fireplaces, as well as other woodburning appliances, have been used safely for many years. It has been our experience that most problems are caused by improper installation and operation of the fireplace. Make certain that installation and operation of the fireplace system is in accordance with these instructions.

It is extremely important that the fire be supervised whenever the fireplace is in use. It is also recommended that an annual inspection be performed on the fireplace system to determine if the flue system needs to be cleaned, or as in the case of any appliance, if minor repairs are required to maintain the system in top operating condition.

### 1. INTENDED USAGE

This factory built fireplace is intended for use with either solid fuel (firewood) or a decorative gas appliance that has been tested and listed to the Standard for Decorative Gas Appliances for Installation in Vented Fireplaces, ANSI Z21.60.

**When operating your fireplace, the flue damper must be in the open position.**

This fireplace was not tested and listed for use with an unvented gas log heater. Do not install an unvented gas log heater in this fireplace and operate it with the flue damper in the fully closed position unless the unvented gas log has been specifically tested and listed for use in this fireplace by Underwriters Laboratories Inc. Use of an unvented gas log heater in this factory built fireplace may create a fire hazard that can result in a structure fire.

**Notice:** Save and pass these Operating Instructions and the Installation Instructions to subsequent owners. The information provided is intended to notify and warn them about making unsafe future modifications such as the addition of shelves or the use of unauthorized parts and repairs.

### 2. STARTING THE FIRE

Check the flue damper to be certain it is in the fully open position. Place crumpled or twisted paper under the fireplace grate. Loosely arrange kindling or small pieces of wood to form a layer above the paper. Light the paper and add small pieces of wood until a hot bed of embers has been established. At this point add progressively larger pieces of wood until you are able to position 4" diameter split logs as shown in Figure 23.

When first lighting your fireplace, it may be necessary to pre-warm the flue to establish a draft. This is done by holding a rolled up piece of burning newspaper under the flue damper for a few moments. This will prevent smoke spillage during start-up.

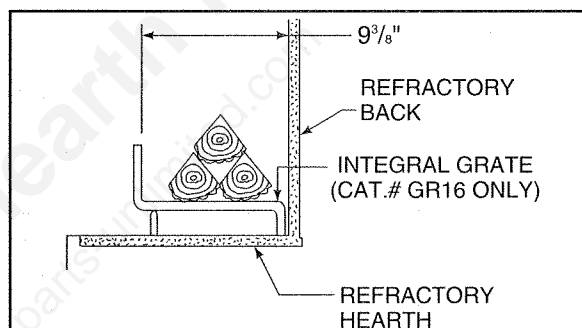


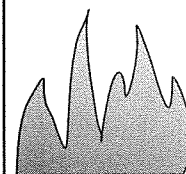
Figure 23 - Sectional View of Fireplace

Firewood should be seasoned for at least 6 months before it can be burned as a fireplace fuel. Improperly seasoned (green or wet) wood will cause the fireplace to smoke, will allow creosote deposits to rapidly build up in the chimney system and may cause roof stains to develop.

Fuel products with abnormal burning characteristics, including synthetic logs that contain wax binders, scrap lumber, wax or plastic coated cardboard and other highly volatile fuels that burn at excessive temperatures, may cause the fireplace to operate in an unsafe manner. Flammable liquid fuels are explosive and must never be used to start or "freshen" a fire. Heatilator does not warrant the structural or functional performance of the fireplace system when such synthetic fuels or flammable liquids have been used. Use only a solid wood fuel or a listed Heatilator Gas Log Set.

**NOTE:** When heated for the first several times, the fireplace should be heated gradually to prevent moisture in the refractory from causing cracks and to allow binders in the insulation to dissipate. You will notice an industrial odor during the first few fires that are burned. This is considered normal.

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Do not use a fireplace insert or products not specifically tested and listed for use in this fireplace.

Use common sense when burning this fireplace. The fires must be built on the fireplace grate, without danger of the burning fuel falling out of the fireplace.

**CAUTION:**

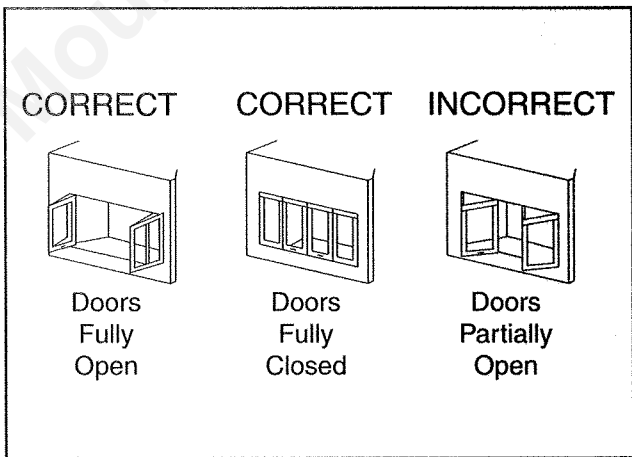
**NEVER USE GASOLINE, GASOLINE-TYPE LANTERN FUEL, KEROSENE, CHARCOAL LIGHTER FLUID, OR SIMILAR LIQUIDS TO START OR "FRESHEN UP" A FIRE IN THIS FIREPLACE. KEEP ALL SUCH LIQUIDS WELL AWAY FROM THE FIREPLACE WHILE IT IS IN USE TO AVOID THE RISK OF A HOSTILE FIRE.**

**3. DISPOSAL OF ASHES**

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 embers have thoroughly cooled.

**4. GLASS DOORS**

The most efficient fireplace operation using glass doors is with the doors open. When the doors are open, the screen must be closed. Only Hearth Technologies Inc. (HTI) glass doors, model numbers DM1036 and DM1036B may be used on the H Series fireplaces.



**Figure 24**  
**Recommended Operating Positions of Doors**

**WARNING!**

**FIREPLACES EQUIPPED WITH DOORS SHOULD BE OPERATED ONLY WITH DOORS FULLY OPEN OR FULLY CLOSED. IF DOORS ARE LEFT PARTIALLY OPEN, GAS AND FLAME MAY BE DRAWN OUT OF THE FIREPLACE OPENING, CREATING THE RISK OF BOTH FIRE AND SMOKE.**

**WARNING!**

**CONTINUED OVER-FIRING CAN PERMANENTLY DAMAGE YOUR FIREPLACE SYSTEM. EXAMPLES OF OVER-FIRING ARE:**

1. THE "NORMAL LOG FIRE" SHOULD BE CONTAINED IN THE GRATE, WITH THE LENGTH OF LOGS NO GREATER THAN THE BACK WALL OF THE FIREPLACE.
2. THE FOLLOWING MATERIALS MUST NOT BE USED IN THE FIREPLACE: QUANTITIES OF SCRAP LUMBER, PINE BRANCHES, PROCESSED FIRE LOGS AND FIRE STARTERS, OR CARDBOARD BOXES WHICH EXCEED THE VOLUME OF THE "NORMAL LOG FIRE". THESE MATERIALS PRODUCE MANY SPARKS AND MUST NOT BE USED.

**BEFORE STARTING A FIRE IN YOUR H SERIES FIREPLACE, USE THE FOLLOWING CHECK LIST:**

**1. FLUE DAMPER**

The flue damper is operated by moving a handle located in the fire chamber, which should place the damper in a fully open position. Pull the handle down to open, push the handle up to close. Verify this by looking up from the inside of the fireplace. Always operate this fireplace with the damper fully open. Please note that down drafts, obstructions, damage or poor (wet) fuels can cause smoke spillage.

**2. CHIMNEY INSPECTION**

Inspect the chimney internally for obstructions and construction damage. Flue pipe joints and seams must be continuous and mechanically tight. In a used chimney, additional inspection is needed for creosote buildup which is the formation of a flammable sediment.

When wood is burned slowly, it produces tar and other organic vapors, which combine with expelled



moisture to form creosote. The creosote vapors condense in the relatively cool chimney flue of a slow-burning fire. As a result, creosote residue accumulates on the flue lining. When ignited, this creosote makes an extremely hot fire.

The chimney should be inspected at least twice a year during the heating season to determine if creosote buildup has occurred. If creosote has accumulated, it should be removed to reduce the risk of a chimney fire.

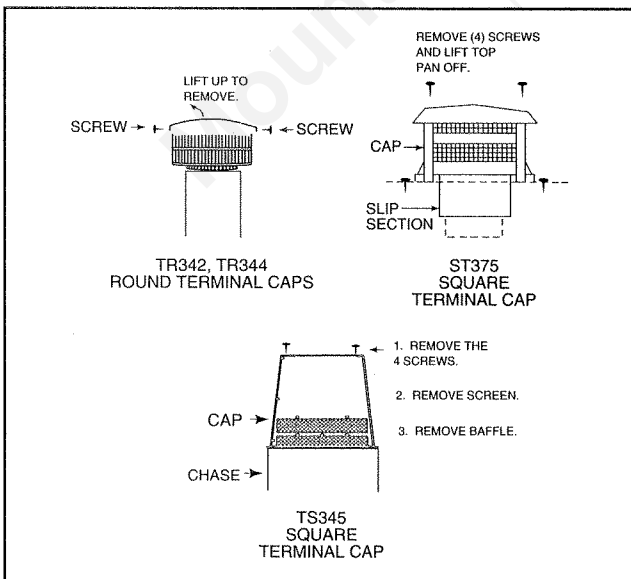
**3. CHIMNEY CLEANING**

If you do detect a buildup of creosote, contact a qualified chimney sweep or clean it yourself. To do this, perform the following steps:

- a. Open the damper.
- b. Hang a damp sheet across the fireplace opening to stop dirt and soot from entering the room.
- c. Remove the termination cap or housing top. See Figure 25.
- d. Clean with a stiff nylon brush attached to a pole or tie a rope to a burlap bag filled with straw and several small stones or sand. Work up and down the flue until clean.
- e. Replace the termination cap or housing top.

**4. CLEAR SPACE NEAR FIREPLACE**

The hearth extension must extend at least 16" to the front and 8" to the sides of the fireplace opening. Combustible materials must not be stored in this area. Combustible walls perpendicular to the front of the fireplace must be at least 12" from the fireplace opening. Room furnishings such as drapes, curtains, chairs, or other combustibles must be at least 4' from the open front of the fireplace.



**Figure 25**  
Termination Caps

**5. GRATE**

The factory installed integral grate must be used to hold the logs from falling out of an open fireplace and to allow air to pass between the burning logs. It is important to keep the fire off the hearth and to allow the ashes to collect beneath the fire, thereby forming a layer of additional heat protection. See Figure 23, page 21. Use only model number GR16 integral grate for replacement.

**6. FIRESCREEN**

A firescreen is always provided to control sparks. It must be closed whenever the fireplace is in use. Glass doors or firescreens must not be used to hold burning material inside the fireplace. Only those glass door units specifically tested and listed for use with the specific fireplace model should be used. Screens should be closed when the glass doors are closed.

**WARNING!**

**A CHIMNEY FIRE CAN PERMANENTLY DAMAGE YOUR CHIMNEY SYSTEM. THIS DAMAGE CAN ONLY BE REPAIRED BY REPLACING THE DAMAGED COMPONENT PARTS. CHIMNEY FIRES ARE NOT COVERED BY THE LIMITED WARRANTY AND BUYER PROTECTION PLAN.**

**7. NEGATIVE AIR PRESSURE WITHIN THE STRUCTURE**

This fireplace will operate correctly only if adequate ventilation is provided to allow proper draft to the fireplace system. Heatilator assumes no responsibility for the improper performance of the fireplace system caused by inadequate draft due to environmental conditions, down drafts, tight sealing construction of the structure, or mechanical exhausting devices which create a negative air pressure within the structure where the fireplace is located.

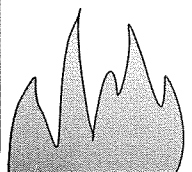
**8. OUTSIDE AIR**

A damper control handle allows the individual control of the outside air inlets if your fireplace is equipped with this option. Use of outside air for combustion is highly recommended to conserve heated air within the structure and to provide make up air to keep the fireplace venting properly.

**CAUTION:**

**WHEN LEFT CLOSED WHILE BURNING YOUR FIREPLACE, FIRESCREENS AND GLASS DOORS WILL BE HOT. HANDLE WITH CARE.**

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**HEATILATOR WOODBURNING FIREPLACE**

**Limited Warranty**

**As part of its**

**20-YEAR BUYER PROTECTION PROGRAM**

**AS PART OF ITS 20 YEAR BUYER PROTECTION PROGRAM (“PROGRAM”, HEARTH TECHNOLOGIES INC. (“HTI”))** is pleased to offer a Limited Warranty and a Replacement Parts Advantage covering specific components of your Heatilator woodburning fireplace system ( the “Fireplace”), installed in the United States of America or Canada. Dealers and employees of HTI have no authority to make any warranty or authorize any remedies in addition to or inconsistent with the terms of this Program.

**Limited Warranty.**

HTI warrants the following components of your Heatilator woodburning fireplace to be free from original defects in material and workmanship during the applicable periods described: five years for the firebox assembly, chimney system and roof termination; two years for refractory firebox liners; and one year for the grate, wire mesh screens, fan system, outside air system, and glass doors. All limited warranty periods run from the date of initial installation of your Fireplace (the “Installation Date”). The Limited Warranty is subject to the conditions, exclusions and limitations of liability listed below.

**Replacement Parts Advantage.**

Under HTI’s Replacement Parts Advantage, for a period of twenty years from your Installation Date of your Fireplace, if available, HTI will provide you with repair or replacement parts for defective components which are no longer under their applicable Limited Warranty, at 50% of the then current retail list price for such components. HTI shall have no responsibility for freight and labor charges related to such parts.

**Conditions, Exclusions, & Limitations of Liability**

- A.** Both the Limited Warranty and Replacement Parts Advantage supplied by HTI apply only while the Fireplace is in its location of original installation. HTI’s obligation under this warranty does not extend to damages resulting from (1) installation, operation or maintenance of the Fireplace not in accordance with the Installation Instructions, Operating Instructions, and the Listing Agent Identification Label furnished with the Appliance; (2) installation which does not comply with local building codes; (3) shipping, improper handling, improper operation, abuse, misuse, accident or unworkmanlike repairs; (4) environmental conditions, inadequate ventilation or drafting caused by tight sealing construction of the structure, air handling devices such as exhaust fans or forced air furnaces, or other causes; (5) use of fuels other than those specified in the Operating Instructions; (6) installation or use of components not supplied with the Fireplace or any other components not expressly authorized and approved by HTI; and/or (7) modification of the Fireplace not expressly authorized and approved by HTI in writing. This warranty is limited to only the component parts manufactured or supplied by HTI.
- B.** During the first year of the Limited Warranty, HTI will, at its sole option, repair or replace any covered defective component and will provide replacement parts at no charge. And will pay reasonable labor and freight costs. During the second through the fifth years of the Limited Warranty (if applicable), HTI will provide replacement parts free of charge for any covered defective component, but will not pay for freight or labor costs related to the shipment of the parts or the actual repair or replacement. After the fifth anniversary of the Installation date, HTI’s sole obligation and your exclusive remedy is set forth in HTI’s Replacement Parts Advantage described above. **In no event shall HTI be liable for any incidental or consequential damages caused by defects in your Fireplace.**
- C. EXCEPT TO THE EXTENT PROVIDED BY LAW, HTI MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY SPECIFIED HEREIN. THE DURATION OF ANY IMPLIED WARRANTY IS LIMITED TO DURATION OF THE WARRANTY SPECIFIED ABOVE.**
- D.** Some states do not allow exclusions or limitations of incidental or consequential damages, so those limitations may not apply to you. This warranty gives you specific rights; you may also have other rights which vary from state to state.

**How to Obtain Service.**

To obtain service under this warranty you must:

1. Send written notice of the claimed condition to Heatilator Technical Service Department, Hearth Technologies Inc., 1915 W. Saunders Street, Mt. Pleasant, Iowa 52641-1563. You may also register your claim online at [www.heatilator.com/contact.asp](http://www.heatilator.com/contact.asp).
2. Provide proof of purchase, model number, serial number, and manufacturing date code to HTI.
3. Provide HTI reasonable opportunity to investigate the claim, including reasonable opportunity to inspect the Appliance prior to any repair or replacement work and before the Appliance or any component of the Appliance has been removed from the place of original installation.
4. Obtain HTI’s consent to any warranty work before the work is done.

**ADDITIONAL INFORMATION.** If you would like information on current HEATILATOR products or want to locate a dealer in your area, call 1-800-843-2848.

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