

heatilator®

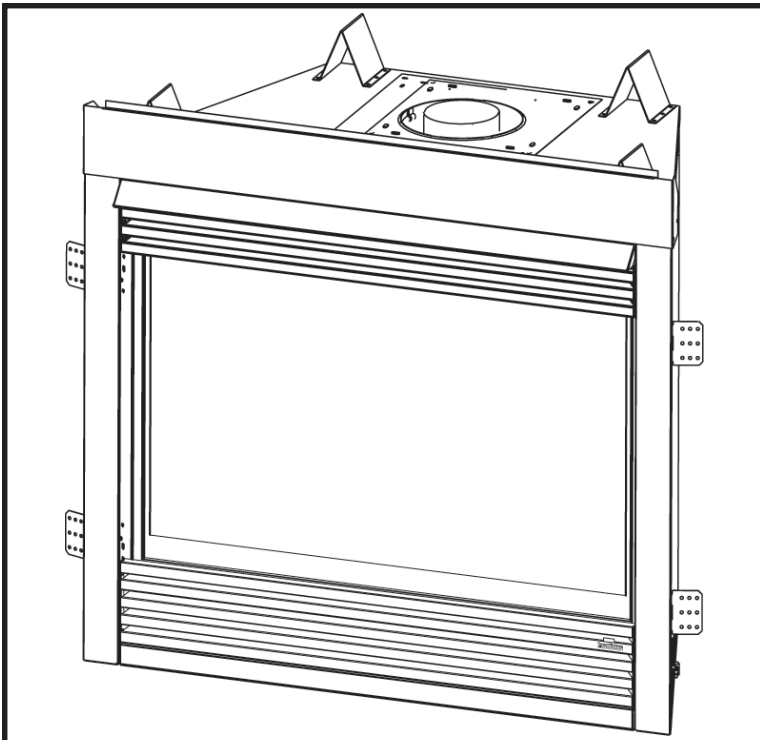
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Hearth & Home Technologies Inc.
1915 W. Saunders Street
Mt. Pleasant, Iowa 52641
www.heatilator.com



INSTALLATION & OPERATING INSTRUCTIONS

CALIBER DIRECT VENT GCDC60/80 DECORATIVE GAS APPLIANCE



Meets All HUD Requirements for Manufactured Housing Installations.

WARNING: If the information in this manual is not followed exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- 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.

WARNING!

DO NOT use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

Read these installation instructions completely before beginning installation. Failure to follow them could cause an appliance malfunction resulting in serious injury and/or property damage.

WARNING!

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information, consult a qualified installer, service agency or the gas supplier.

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Note: An arrow (➔) found in the text and in the index signifies change in content.

WARNING!

DO NOT use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

SAFETY PRECAUTIONS

1. Please read these installation instructions completely before beginning installation procedures. Failure to follow them could cause an appliance malfunction resulting in serious injury and/or property damage.
2. Always check your local building codes prior to installation. This installation must comply with all local, regional, state and national codes and regulations.
3. Installation and repair should be done by a qualified service person. This appliance should also be inspected annually by a qualified service person. More frequent inspections/cleaning may be required due to excessive lint from carpeting, bedding materials, etc. It is imperative that the control compartment, burners and circulating air passageways of the appliance be kept clean.
4. This is a vented decorative gas appliance. Do not burn wood or other material in this appliance.
5. **NEVER** leave children unattended when there is a fire burning in the appliance.
6. This appliance may only use the approved venting systems shown in these installation instructions. Venting **must not be connected** to chimney flue servicing a solid fuel burning appliance or a gas fuel burning appliance.
7. **NEVER** use gasoline, gasoline-type lantern fuel, kerosene, charcoal lighter fluid, or similar liquids in this appliance. Keep any flammable liquids a safe distance from the appliance.
8. While servicing this appliance, always shut off all electricity and gas to the appliance. This will prevent possible electrical shock or burns. Also, make sure the appliance is completely cooled before servicing.
9. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.
10. Be sure to provide adequate clearances around the air openings into the combustion chamber and adequate accessibility clearances for servicing and proper operation.

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A. APPLIANCE SPECIFICATIONS & CERTIFICATIONS

1. U.S. and Canada Certification

The Caliber Series Gas Appliance has been tested in accordance with the **ANSI standard Z21.88-2000** in the United States, the current **CSA 2.33-2000, IR41, P4**, and **IR55** in Canada, and has been LISTED by Underwriters Laboratories Inc. for installation as described in this manual. All components are UL, AGA, CGA or CSA safety certified.

2. Local Codes

This installation must conform with local codes. In the absence of local codes, comply with the **National Fuel Gas Code ANSI Z223.1-latest edition** in the U.S.A., and the **CAN/CGA B149, Installation Codes** in Canada.

The Caliber Series gas appliance has been tested and listed for use in manufactured housing (mobile homes). These installation instructions conform with the **Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280**, or when such a standard is not applicable, the Standard for **Manufactured Home Installations, ANSI A225.1**.

For assistance during installation contact your local dealer or contact Heatilator Technical Services Department, Hearth & Home Technologies, 1915 W. Saunders Street, Mt. Pleasant, Iowa 52641, 1-800-927-6841.

HEATILATOR® is a registered trademark of Hearth & Home Technologies.

3. Glass Specifications/Certifications

Heatilator gas appliances manufactured with tempered glass may be installed in hazardous locations such as bathtub enclosures as defined by the CPSC. The tempered glass has been tested and certified to the requirements of **ANSI Z97.1-1984 and CPSC 16 CFR 1202**. (Safety Glazing Certification Council **SGCC# 1595** and **1597**. Architectural Testing, Inc. Reports **02-31919.01** and **02-31917.01**.)

This statement is in compliance with **SPCS 16 CFR Section 1201.5 "Certification and labeling requirements"** which refers to **15 USC 2063** stating, "...Such certificate shall accompany the product or shall otherwise be furnished to any distributor or retailer to whom the product is delivered."

Some local building codes require the use of tempered glass with permanent marking in such locations. Glass meeting this requirement is available from the factory. Please contact your dealer or distributor to order.

WARNING!
This appliance is tested and listed for use only with the optional accessories listed in these instructions. Use of optional accessories not specifically tested for this appliance could void the warranty and/or result in a safety hazard.

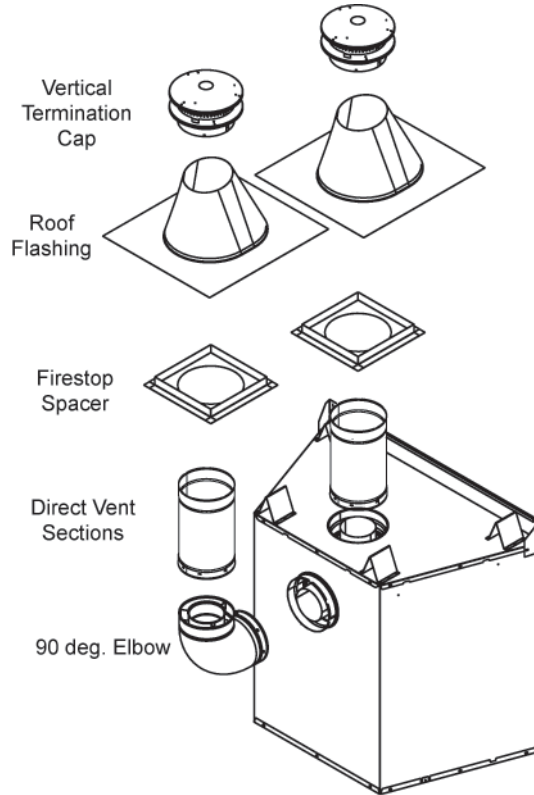
Note: Minimum and maximum clearances must be maintained at all times. Illustrations throughout these instructions reflect typical installations and are for design purposes only. Actual installation may vary slightly due to individual design preferences.
The illustrations and diagrams used throughout these installation instructions are not drawn to scale.

Tools and building supplies normally required for installation:

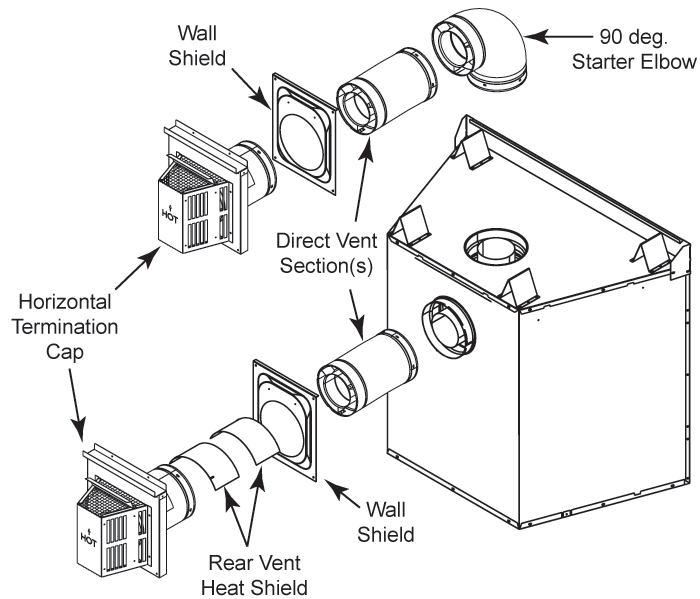
Saw	Framing material
Pliers	Appliance surround
Hammer	Caulking material
Phillips screwdriver	Gloves
Tape measure	Framing square
Plumb line	Electric drill and bits
Level	Wall-finishing materials
Safety glasses	
Non-corrosive leak-check solution	

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Typical Vertical Installations (Rear and Top Vent Shown)



Typical Horizontal Installations (Rear and Top Vent Shown)



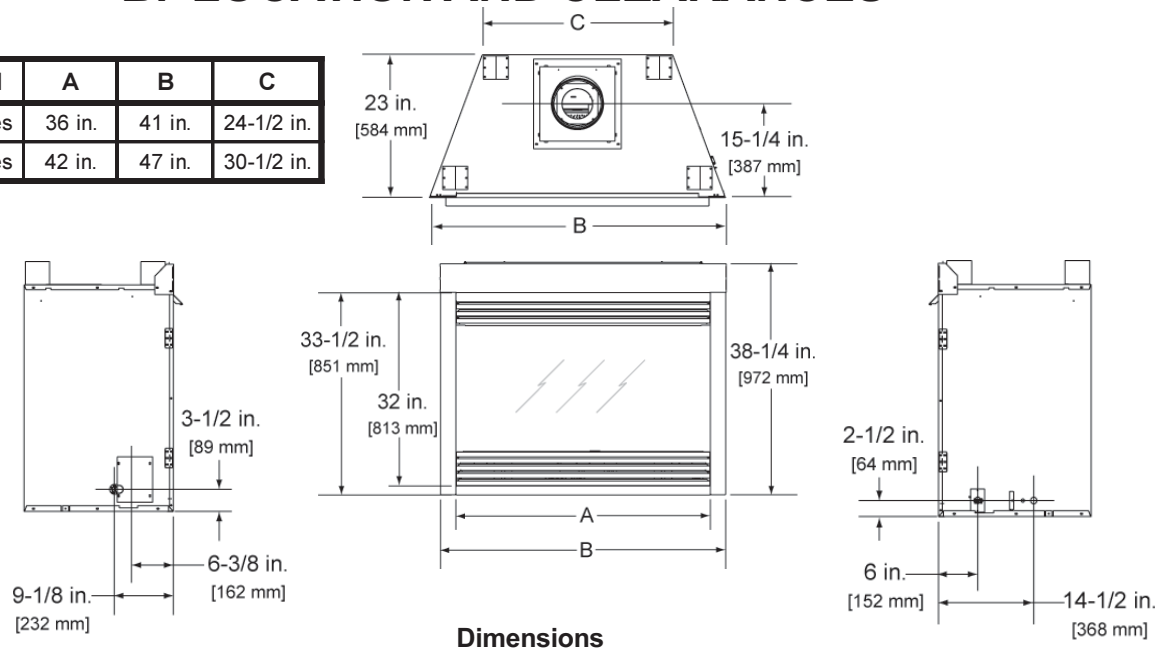
CALIBER NOMENCLATURE

Catalog #	Description
GCDC60	41 in. width, 36 in. opening, Standing Pilot - Natural Gas Application
GCDC80	47 in. width, 42 in. opening, Standing Pilot - Natural Gas Application
The following suffixes are defined as follows:	
No suffix	Natural Gas, Standing Pilot
L	Propane Gas, Standing Pilot
I	Natural Gas, Intermittent Pilot
IL	Propane Gas, Intermittent Pilot
R	Refractory
F	Fan
Examples:	GCDC60IL is a Propane Gas, Intermittent Pilot Appliance
	GCDC60IF is a Natural Gas, Intermittent Pilot Appliance
Components	Description
DRC-RADIUS	Cap Shield
COOL-ADDM	Cap Shield - pack of six
DVP-TV	Vertical Termination Cap
DVP45	45-deg Elbow
DVP90	90-deg Elbow (for Heatilator appliances only)
DVP90ST	90-deg Starter Elbow (should be the first 90-deg elbow used)
RF6M	Roof Flashing (vertical termination for 0/12 to 6/12 pitch) - pack of four
RF12M	Steep Pitch Roof Flashing (for 7/12 to 12/12 pitch) - pack of six
DVP4	4 in. length Vent Pipe
DVP6	6 in. length Vent Pipe
DVP12	12 in. length Vent Pipe
DVP24	24 in. length Vent Pipe
DVP36	36 in. length Vent Pipe
DVP48	48 in. length Vent Pipe
DVP6A	3-6 in. Slip Section Vent Pipe (to be used with another piece of pipe)
DVP12A	3-12 in. Slip Section Vent Pipe (to be used with another piece of pipe)
DVP12MI	12 in. Vent Pipe - non-unitized (can be cut to length)
DVP24MI	24 in. Vent Pipe - non-unitized (can be cut to length)
DVP-HVS	Vent Support
DVP-WS	Wall Shield to ensure horizontal clearances
DVP-FS	Firestop Spacer
DVP-TRAP1	Horizontal Termination Cap with 1-3/4 in. telescoping flue and wall shield with heat shield
DVP-TRAP2	Horizontal Termination Cap with 4 in. telescoping flue and wall shield with heat shield
DVP-TB1	Basement Horizontal Termination Cap
DVP-TRAPK1	Top Vent Horizontal Kit with DVP-TRAP1 Termination Cap, wall shield with heat shield, and starter elbow
DVP-TRAPK2	Top Vent Horizontal Kit with DVP-TRAP2 Termination Cap, wall shield with heat shield, and starter elbow
DVP-HSM	Extended Heat Shield
BEK	Brick Extension Kit
DVP-AS	Attic Insulation Shield

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B. LOCATION AND CLEARANCES

Model	A	B	C
60 Series	36 in.	41 in.	24-1/2 in.
80 Series	42 in.	47 in.	30-1/2 in.



WARNING!
Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.

1. Appliance Locations and Space Requirements

Figure 1 illustrates a variety of ways the appliance may be located in a room. The CALIBER Series may be installed directly on the floor or raised on a hearth. These appliances are certified for installation in a bedroom, bed/sitting room, or in mobile homes in the U.S. and Canada.

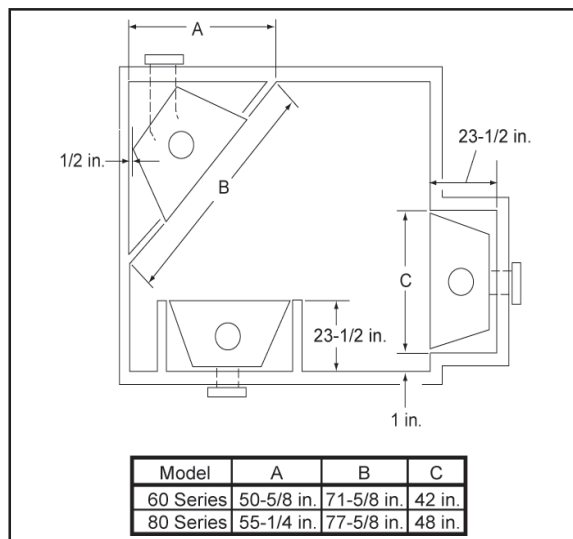


Figure 1 - Appliance Locations

2. Clearances

Figure 2 shows all clearances that must be maintained around the appliance. See pages 12 & 18 for pipe clearances and pages 16, 17 & 20 for termination cap clearances.

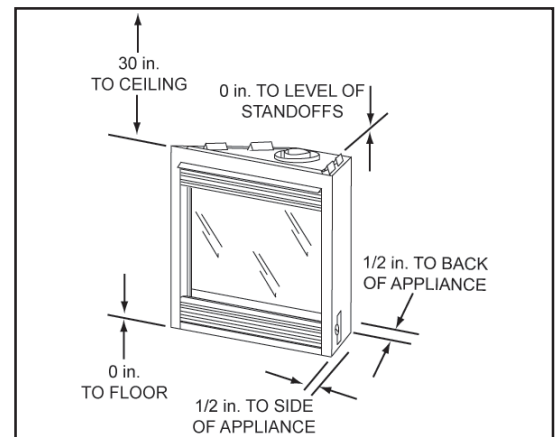


Figure 2

Appliance Clearances to Combustible Materials

CAUTION:
Do not expose the appliance to the elements (such as rain, etc.).

C. FRAMING

Figure 3 shows typical framing of this appliance using combustible materials. Figure 4 shows the minimum mantel heights. All required clearances to combustibles must be adhered to.

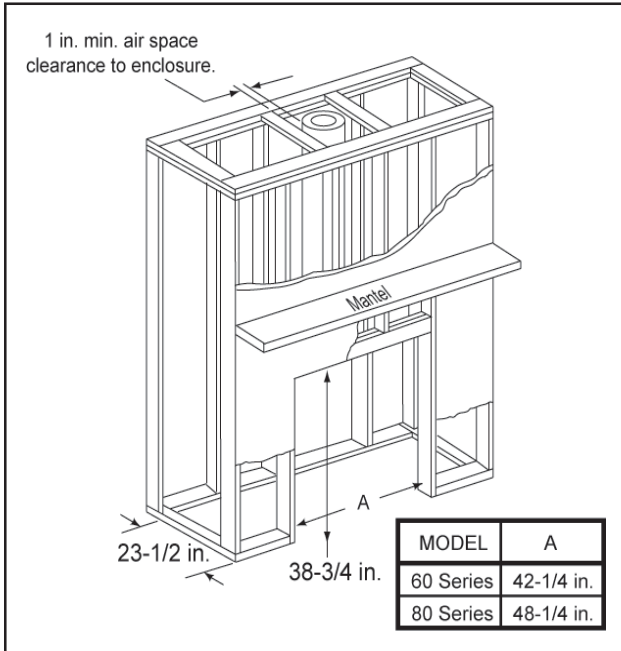


Figure 3 - Framing

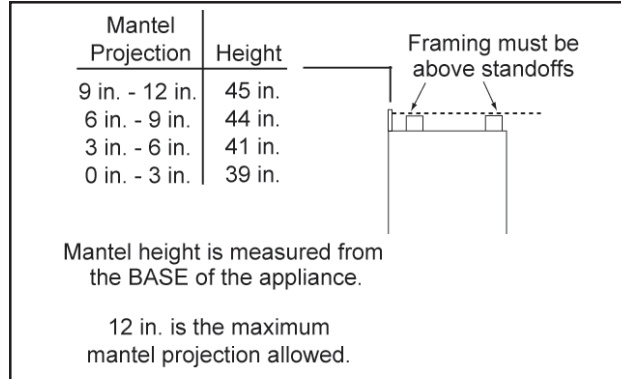


Figure 4 - Mantel Heights

CAUTION:
Wear gloves and safety glasses for protection.

CAUTION:
Provide adequate accessibility clearances around the upper and lower grilles for servicing and proper operation.

WARNING!
To prevent contact with sagging or loose insulation, the appliance must NOT be installed against vapor barriers or exposed insulation. Localized overheating could occur and a fire could result.

D. SETTING THE APPLIANCE

This appliance may be placed on a smooth, combustible or noncombustible continuous, flat surface. When the appliance is installed directly on carpeting, tile or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the appliance. Slide the appliance into position and level the from side-to-side and front-to-back. Shim with noncombustible material as necessary.

Secure the appliance by bending out the nailing flanges on each side of the appliance and nail to framing. The nailing flanges have been positioned 5/8 in. back from the front of the appliance to allow the addition of drywall.

WARNING!
This appliance may only use the approved venting systems shown in these Installation Instructions. It must not be connected to a chimney flue servicing a separate solid fuel or gas fuel burning appliance.

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E. VENTING

1. Conversion from Top Vent to Rear Vent

- a. Remove the screw holding the heat shield cover plate to the top of the appliance and set aside. See Figure 5.

Note: If the appliance is to be top vented discard this plate and replace the screw you removed. If the appliance is to be rear vented, continue to Step b.

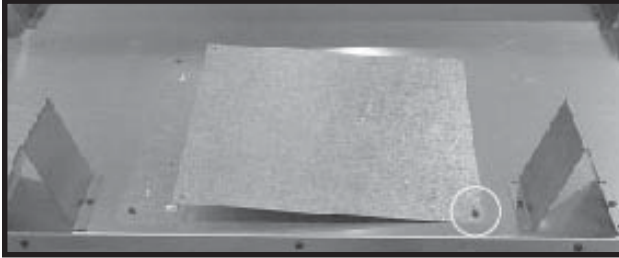


Figure 5 - Insulated Cover Plate, Top of Appliance

- b. Remove the three remaining screws holding the plate surrounding the flue. See Figure 6. Remove the plate and set aside.

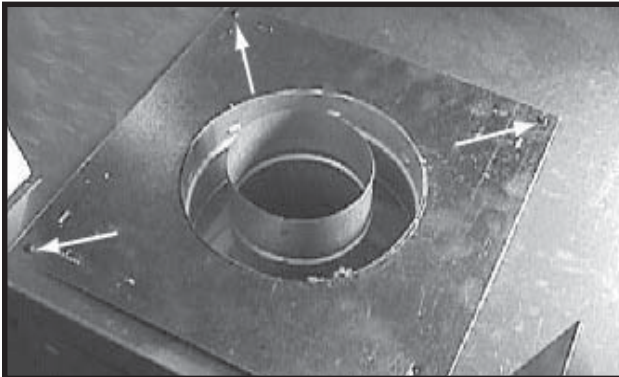


Figure 6 - Remove Plate Screws

- c. Remove the four screws holding the inner plate surrounding the flue. See Figure 7. Remove the inner plate and discard.

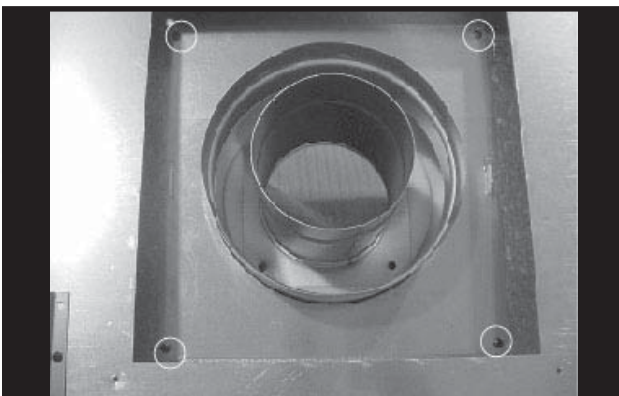


Figure 7 - Inner Plate, Top of Appliance

- d. Remove the four screws holding the outer collar to the appliance top. See Figure 8. Remove the outer collar.

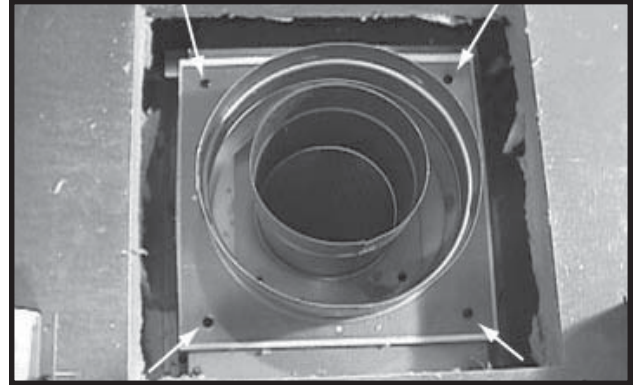


Figure 8 - Remove Four Screws from Outer Collar

- e. Remove the four screws holding the inner collar to the appliance top. See Figure 9. Remove the inner collar.

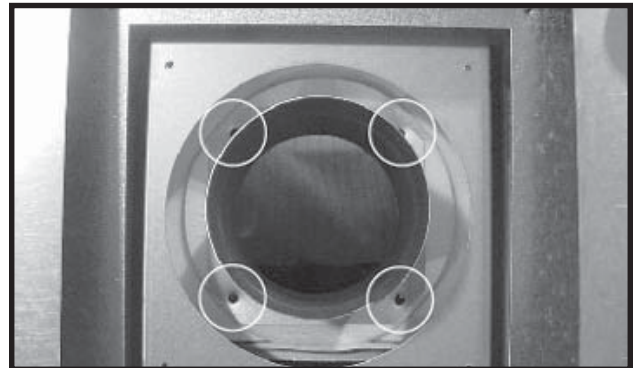


Figure 9 - Remove Screws from Inner Collar

- f. Remove the four screws holding the outer shell cover. See Figure 10. Remove the outer shell cover and set aside.

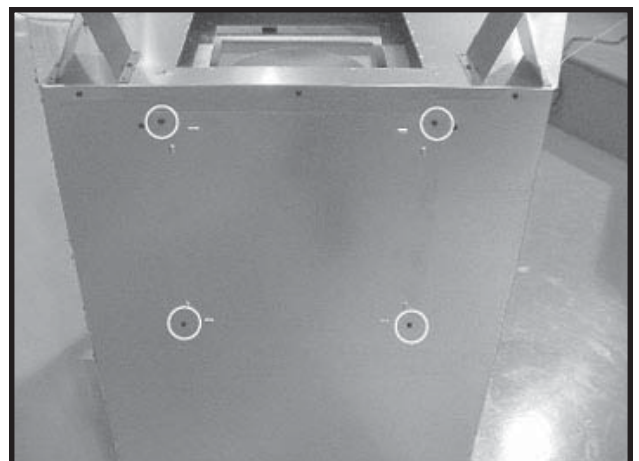


Figure 10 - Outer Shell Cover

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- g. Remove the four screws holding the outer cover plate to the appliance back. See Figure 11. Remove the outer cover.

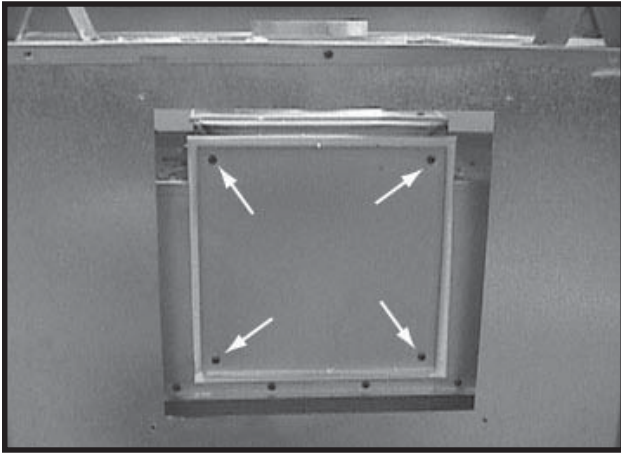


Figure 11 - Remove Outer Cover Plate

- h. Remove the four screws holding the inner cover plate to the appliance back. See Figure 12. Remove the inner cover.

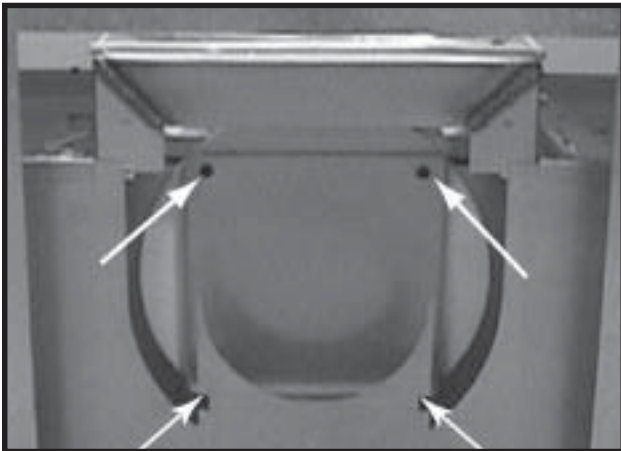


Figure 12 - Remove Inner Cover Plate

- i. Place the inner collar on the appliance back and replace the four screws that hold this collar in place. See Figure 13.

- Make sure insulation is attached to the collar base.

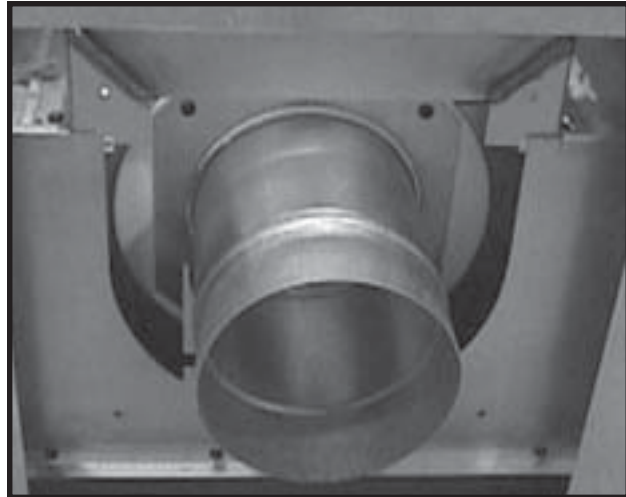


Figure 13 - Place Inner Collar on Rear of Appliance

- j. Place the outer collar on the rear of the appliance and replace the four screws that hold this collar in place. See Figure 14.

- Make sure insulation is attached to the collar base.

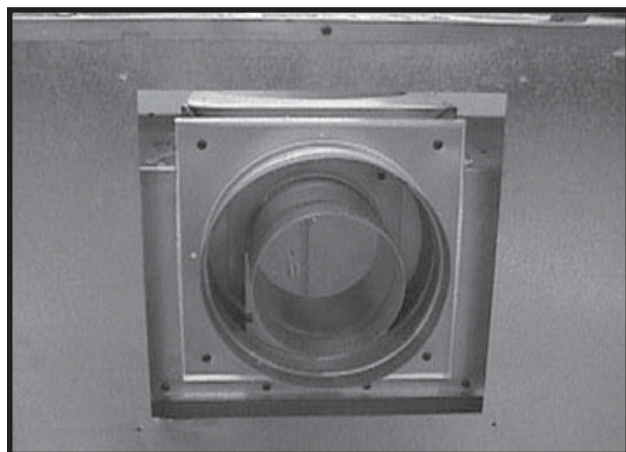


Figure 14 - Place Outer Collar on Rear of Appliance

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- k. Locate the plate removed in Step b. Place the plate around the rear vented collars and replace the four screws that hold the plate in place. See Figure 15.

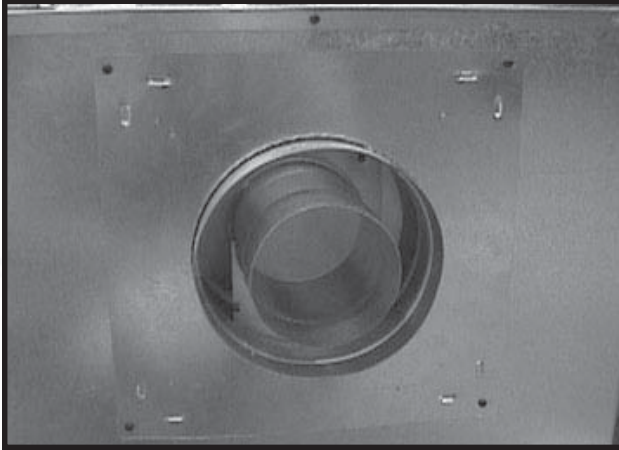


Figure 15 - Place Insulated Plate on Rear of Appliance

- l. Place the inner cover plate on the appliance top and replace the four screws that hold the inner cover plate in place. See Figure 16.
- Make sure insulation is replaced with the cover plate.

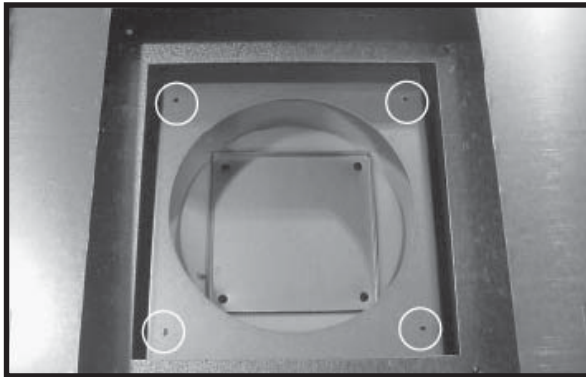


Figure 16 - Place Inner Cover Plate on Top of Appliance

- m. Place the outer cover plate on the appliance top and replace the four screws that hold the outer cover plate in place. See Figure 17.
- Make sure insulation is replaced with the cover plate.

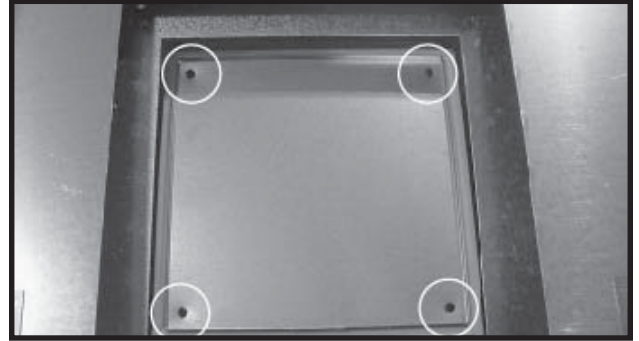


Figure 17 - Place Outer Cover Plate on Top of Appliance

- n. Locate the heat shield cover plate that was removed in Step a. Place the cover plate on top of the heat shield. Replace the four screws that hold this plate in place. See Figure 18.

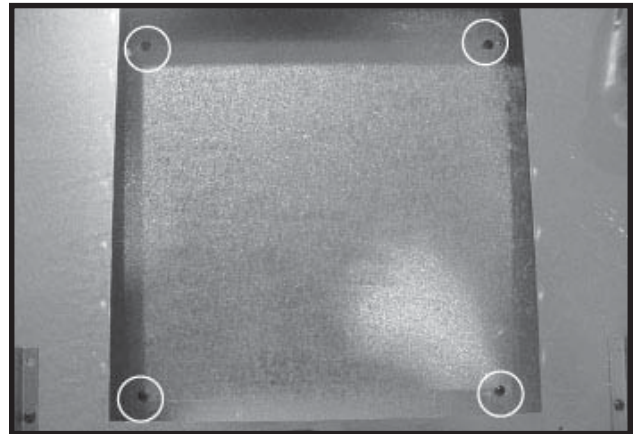


Figure 18 - Place Heat Shield Cover Plate on Top of Heat Shield

- o. Locate the outer shell cover that was removed in Step f. Place the cover on top of the appliance. See Figure 19. Replace the four screws that hold this plate in place. See Figure 20.

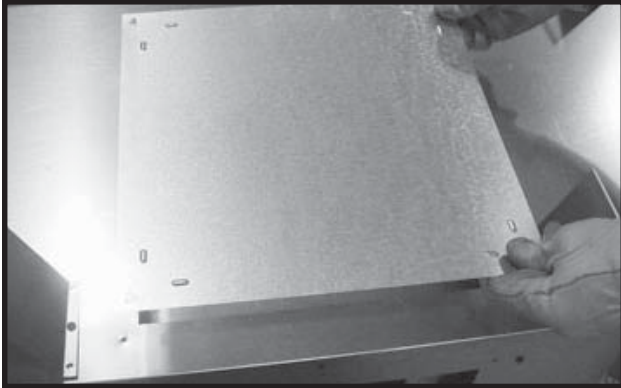


Figure 19 - Place Cover Plate on Top of the Appliance

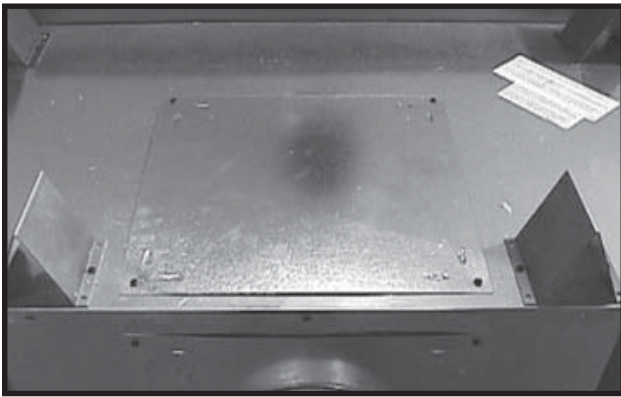


Figure 20 - Screw Cover Plate into Place

- p. The appliance should look like the one shown in Figure 21 after it has been converted to a rear vent appliance.

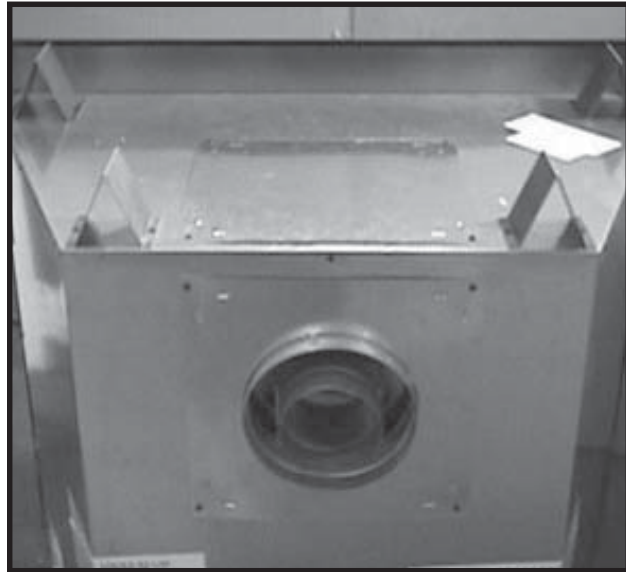


Figure 21 - Completed Conversion

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- Vertical Termination - see page 18
- Horizontal Termination - see below

2. Horizontal Termination

a. Clearances

See Figures 22 and 23 for clearance information.

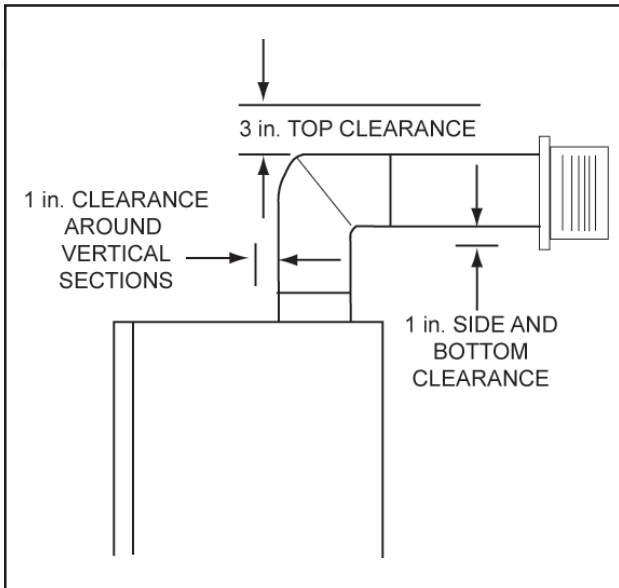


Figure 22
Venting Clearances to Combustible Materials
(top vent)

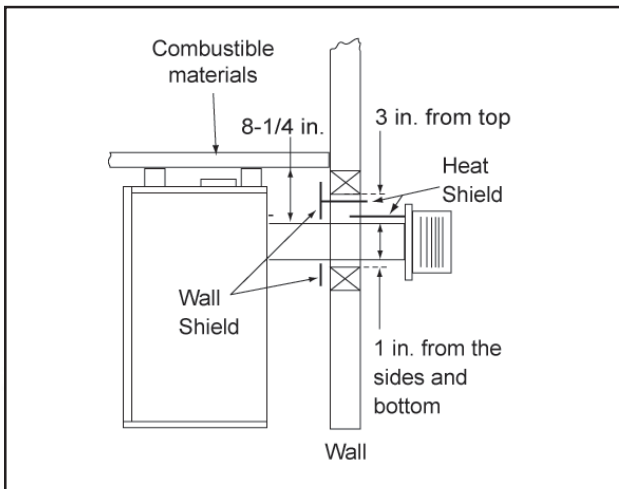


Figure 23
Venting Clearances to Combustible Materials
(rear vent)

CAUTION:
Provisions shall be made to provide adequate combustion and ventilation air.

b. Vent Lengths for Top Vent (for rear vent, see pages 13-14)

Various venting configurations are shown in Figures 24-27 from which maximum vent lengths can be determined.

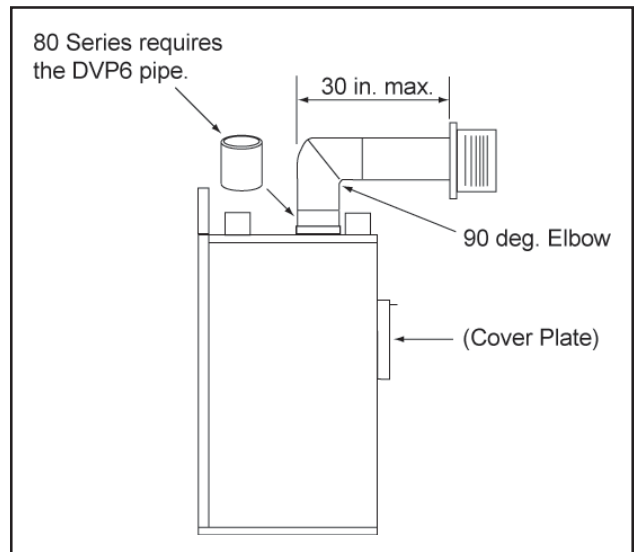


Figure 24
Vent Lengths with One Elbow
(minimum vertical)

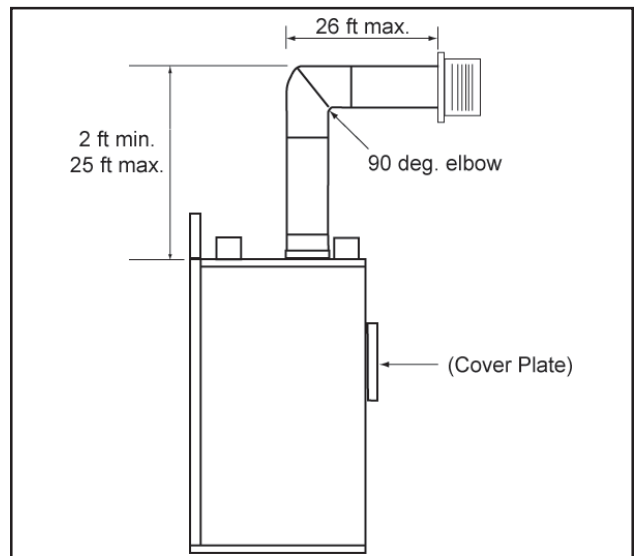


Figure 25
Vent Lengths with One Elbow
(2 ft vertical or more, 25 ft maximum)

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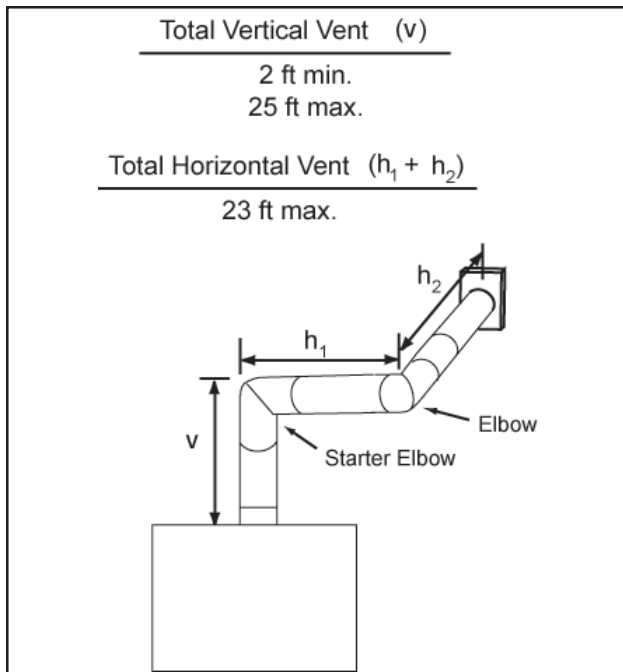


Figure 26
Vent Lengths with Two Elbows

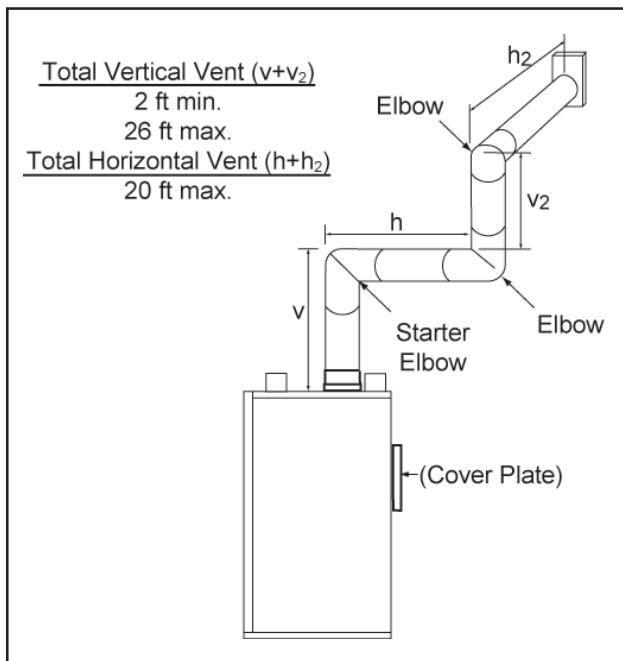


Figure 27
Vent Lengths with Three Elbows

WARNING - RISK OF FIRE!
The horizontal run of vent must have a 1/4 in. rise for every 1 ft of run towards the termination. Never allow the vent to run downward. This could cause high temperatures and may create a fire hazard.

c. Vent Lengths for Rear Vent

1) No Elbows

The maximum horizontal run, with no vertical sections of vent, is 18 in. from the back of the appliance to the base of the cap. See Figure 28.

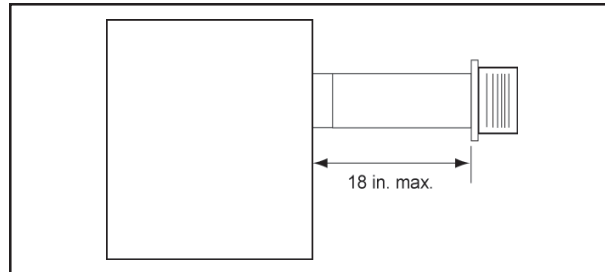


Figure 28
No Elbows

2) 45-deg Elbow

For corner installations with horizontal venting, a maximum of one 45-deg elbow may be used. The maximum horizontal run following the elbow is 18 in. to the base of the cap. See Figure 29.

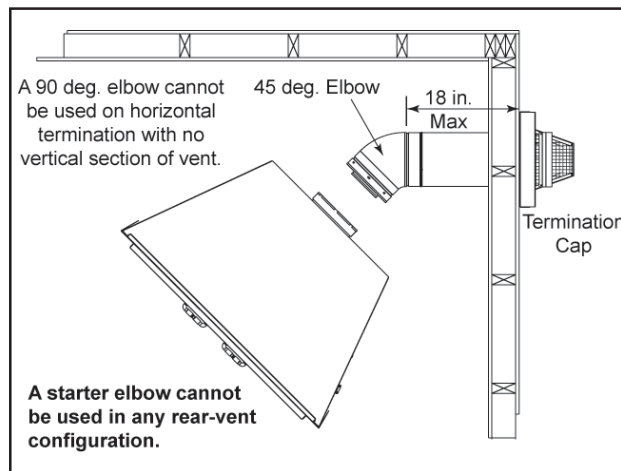


Figure 29
One 45-deg Elbow

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3) Two Elbows

Elbows used in rear-vented configurations should be either a 90-deg elbow or a 45-deg elbow. **Starter elbows cannot be used in any rear vented configuration.** Figure 30 shows various venting configurations using two elbows to terminate horizontally.

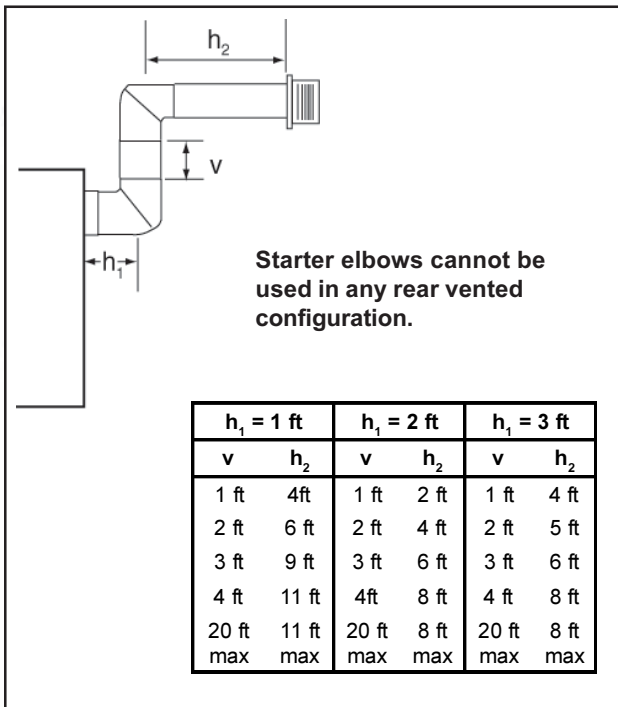


Figure 30
Two Elbows

Note: Exterior wall thickness must be a minimum of 4 in. to a maximum of 17-1/2 in.

4) Three Elbows

Elbows used on rear-vented configurations should be either a 90-deg elbow or a 45-deg elbow. **Starter elbows cannot be used in any rear vented configuration.**

Figure 31 shows various venting configurations using three elbows to terminate horizontally.

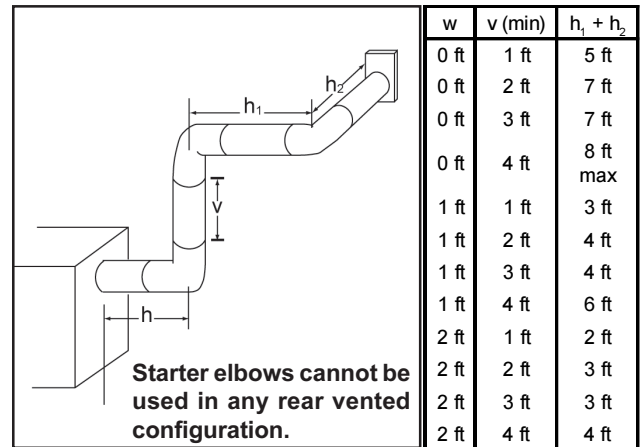


Figure 31 - Three Elbows

d. Installing the Interior Wall Shield

Whenever a combustible wall is penetrated, the hole must be framed (as shown in Figure 32) to receive an interior wall shield (see Figure 33). This shield maintains minimum clearances and restricts cold air infiltration.

The termination cap height must meet all local and national codes and not be easily blocked or obstructed.

If the wall being penetrated is of noncombustible materials, a 9 in. diameter hole is acceptable.

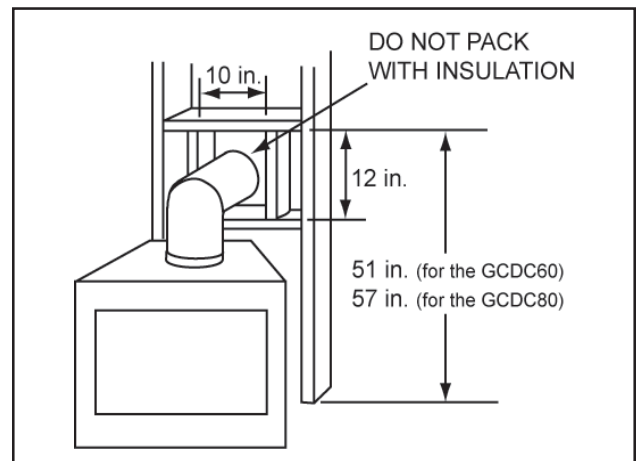


Figure 32
Exterior Wall Hole

Secure the shield to the framing as shown in Figure 33.

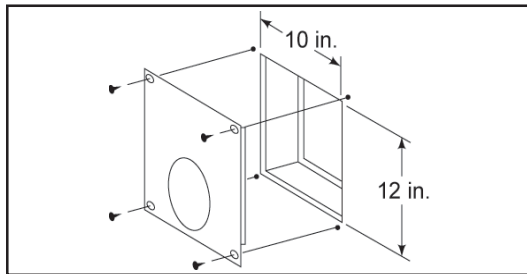


Figure 33
Interior Wall Shield

The last section of vent may require cutting, depending upon wall thickness and appliance location. The cap should overlap the vent sections by at least 1-1/2 in. See Figure 34.

Note: If cutting is necessary, you must use DVP12MI and DVP24MI pipe.

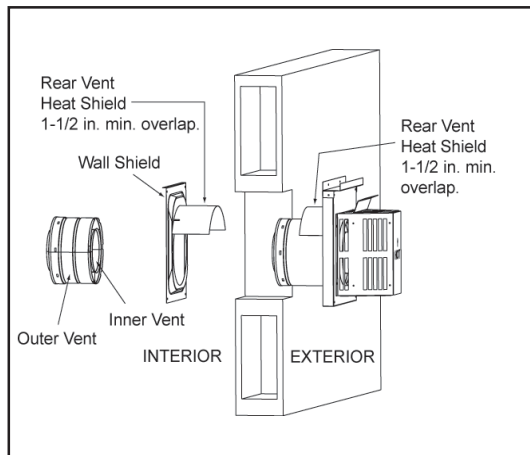


Figure 34
Venting Through the Wall

WARNING - RISK OF FIRE!
Be sure there are no future obstructions from trees, bushes, snow drifts, etc.

e. Installing the Rear Vent Heat Shield

For rear vented appliances, a heat shield **MUST** be placed 1 in. above the top of the vent between the wall shield and the termination cap. There are two sections of the heat shield. One section attaches to the wall shield with two screws. The remaining section is attached to the cap in the same manner. The sections of the heat shield will overlap to match the wall thickness (depth).

If the wall thickness does not allow the required 1-1/2 in. heat shield overlap (for rear vented appliances), a DVP-HSM Extended Heat Shield must be used. You must cut the DVP-HSM to the thickness of the wall and attach to the wall shield. The small leg on the heat shield should rest on the top of the vent to properly space it from the pipe section. See Figure 35. This heat shield is not necessary on top vented appliances.

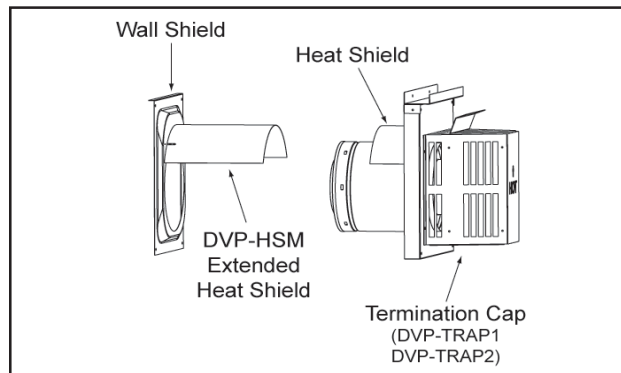


Figure 35
Rear Vent Heat Shield

WARNING - RISK OF FIRE!
Always maintain minimum air space clearances or greater around the appliance and vent system.

f. Termination

Vent termination must not be recessed in the wall. Siding may be brought to the edge of the cap base.

Install the cap as shown in Figure 34. Cap pipe sections should overlap the vent pipe by 1-1/2 in. Caulk outside edges of cap.

Local codes may require the installation of a cap shield (DRC-RADIUS or COOL-ADD) which prevents anything or anyone from touching the hot cap.

Figures 36-39 illustrate cap locations and clearances as prescribed by current **ANSI Z223.1** and **CAN/CGA-B149 Installation Codes**.

The first name in fireplaces

The first name in fireplaces

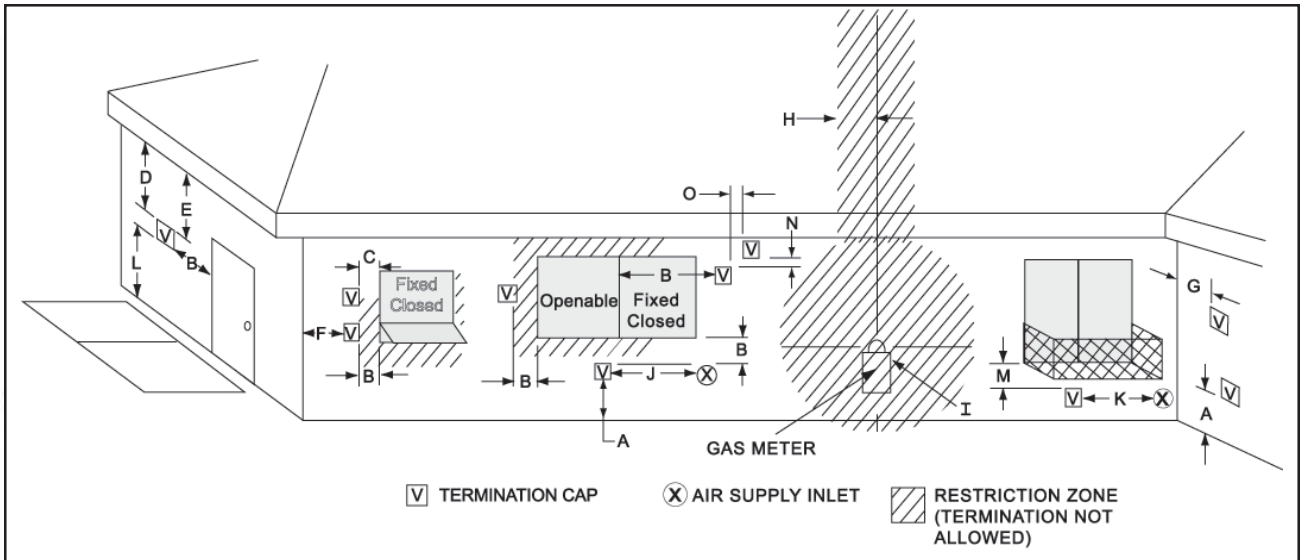


Figure 36 - Termination Cap Locations

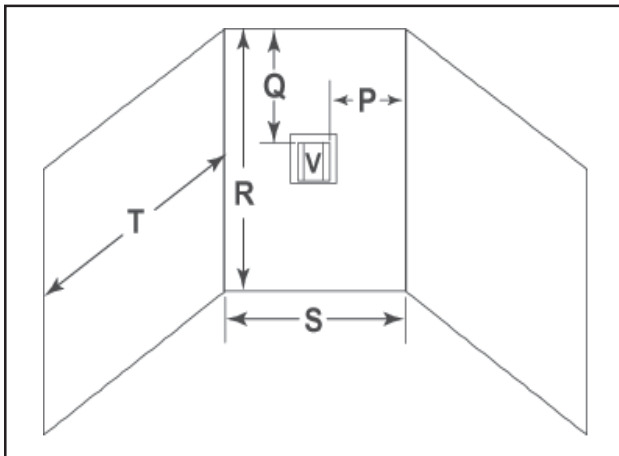


Figure 37 - Alcove Clearances

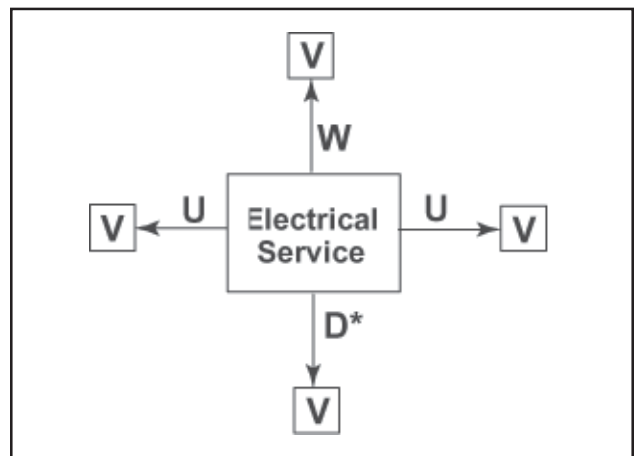


Figure 38 - Electrical Service Clearances

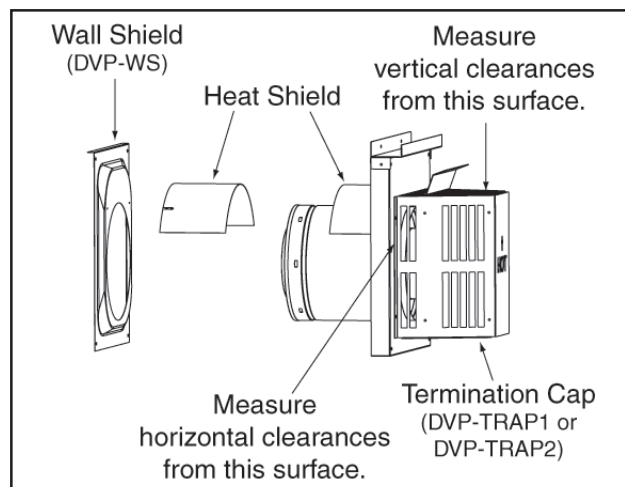


Figure 39 - Cap Clearances

Dimension Descriptions

- A** Clearance above the ground, a veranda, porch, deck or balcony - 12 inches (30 cm) minimum. *
- B** Clearance to window or door that may be opened – 10,000 BTUs or less, 6 inches (15 cm) minimum; 10,000-50,000 BTUs, 9 inches (23 cm) minimum; over 50,000 BTUs, 12 inches (30 cm) minimum. *
- C** Clearance to permanently closed window – 12 inches (30 cm) minimum - recommended to prevent condensation on window.
- D** Vertical clearance to ventilated soffit located above the termination within a horizontal distance of 2 feet (60 cm) from the centerline of the termination – 18 inches (46 cm) minimum. **
- E** Vertical clearance to unventilated soffit - 12 inches (30 cm) minimum. **
- F** Clearance to outside corner - 6 inches (15 cm) minimum.
- G** Clearance to inside corner - 6 inches (15 cm) minimum.
- H** Not to be installed above a meter/regulator assembly within 3 feet (90 cm) horizontally* from the center line of the regulator (Canada only)
- I** Clearance to service regulator vent outlet – 3 feet (.91 m) U.S. minimum and 6 feet (1.8 m) Canada minimum. *
- J** Clearance to non-mechanical air supply inlet into building or the combustion air inlet to any other appliance – 9” (23 cm) U.S. minimum and 12 inches (30 cm) Canada minimum. *
- K** Clearance to mechanical air supply inlet - 3 feet (.91 m) U.S. minimum and 6 feet (1.8 m) Canada minimum. *
- L** Clearance above a paved sidewalk or paved driveway located on public property - 7 feet (2.1 m) minimum.
A vent may not terminate directly above a sidewalk or paved driveway which is located between two single family dwellings and serves both dwellings.
- M** Clearance under veranda, porch, deck or balcony - 12 inches (30 cm) minimum. * Recommended 30 inches (76 cm) for vinyl or plastic.
Only permitted if veranda, porch, deck or balcony is fully open on a minimum of 2 sides beneath the floor. *
- N** Vertical clearance between two horizontal termination caps – 12 inches (30 cm) minimum.
- O** Horizontal clearance between two horizontal termination caps – 12 inches (30 cm) minimum.
- P** 6” - Non-vinyl sidewalls
12” – Vinyl sidewalls
- Q** 18” – Non-vinyl soffit and overhang
42” – Vinyl soffit and overhang
- R** 8 ft.

	S_{MIN}	T_{MAX}
1 cap	3 feet	2 x S actual
2 caps	6 feet	1 x S actual
3 caps	9 feet	2/3 x S actual
4 caps	12 feet	1/2 x S actual
S_{MIN} = # termination caps x 3		T_{MAX} = (2/# termination caps) x S (actual)

- U** 6” min. – Clearance from sides of electrical service.
- W** 12” min. – Clearance above electrical service.

* As specified in **CGA B149 Installation Codes**

Note: Local codes or regulations may require different clearances.

** Clearance required to vinyl soffit material – 30 inches (76 cm) minimum.

Note: Location of the vent termination must not interfere with access to the electrical service.

WARNING!

In the U.S.: Vent system termination is NOT permitted in screened porches. You must follow side wall, overhang and ground clearances as stated in the instructions.

In Canada: Vent system termination is NOT permitted in screened porches. Vent system termination is permitted in porch areas with two or more sides open. You must follow all side wall, overhang and ground clearances as stated in the instructions.

Hearth & Home Technologies assumes no responsibility for the improper performance of the appliance when the venting system does not meet these requirements.

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3. Vertical Termination

a. Top and Rear Vent Clearances

See Figure 40 for clearance information.

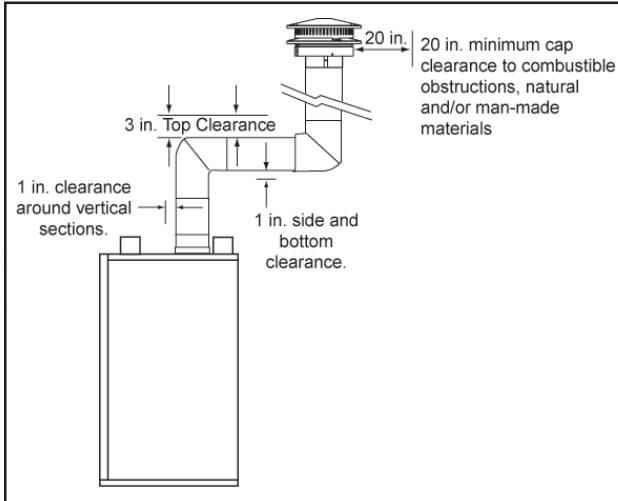


Figure 40
Vertical Termination Clearances
(top vent shown)

b. Top Vent Lengths

Various venting configurations are shown in Figures 41 and 42 from which maximum vent runs can be determined.

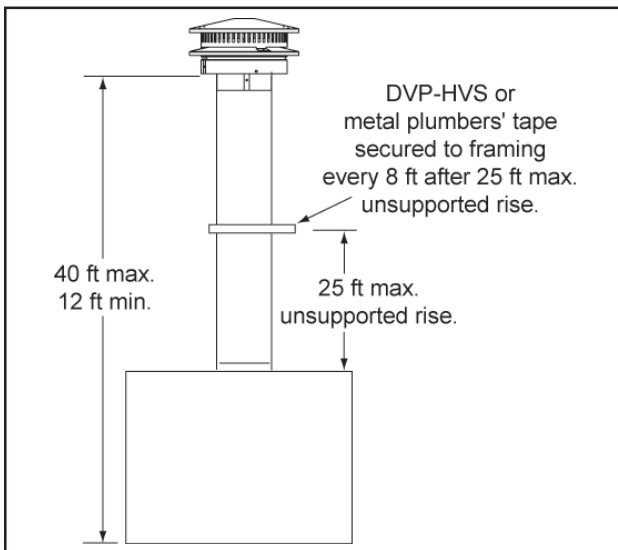


Figure 41
Vertical Termination Vent Lengths

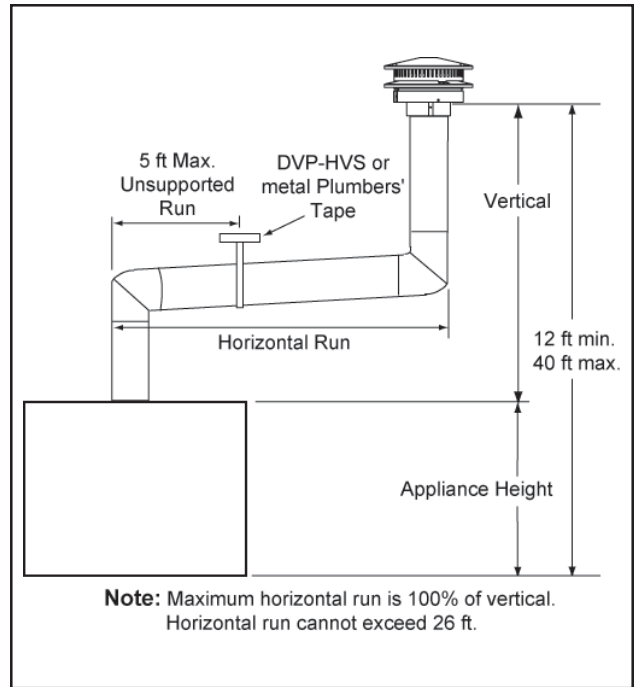


Figure 42
Maximum Horizontal Vent Lengths

Note: Horizontal runs will require the use of one vent support (or metal plumber's strap) for every 5 ft of vent.

WARNING!
The horizontal run of vent must have a 1/4 in. rise for every 1 ft of run towards the termination. Never allow the vent to run downward. This could cause high temperatures and may create a fire hazard.

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c. Rear Vent Lengths

Attach either a rear vent kit straight section or an elbow (depending upon your specific installation) to the appliance. See Figure 43. **Starter elbows cannot be used in any rear vented configuration.** A maximum of three elbows are allowed in the vent system. Use only pipe listed with this appliance. **ALWAYS MAINTAIN MINIMUM AIR SPACE CLEARANCES OR GREATER AROUND THE VENT SYSTEM.** Do not pack air spaces with insulation or other material.

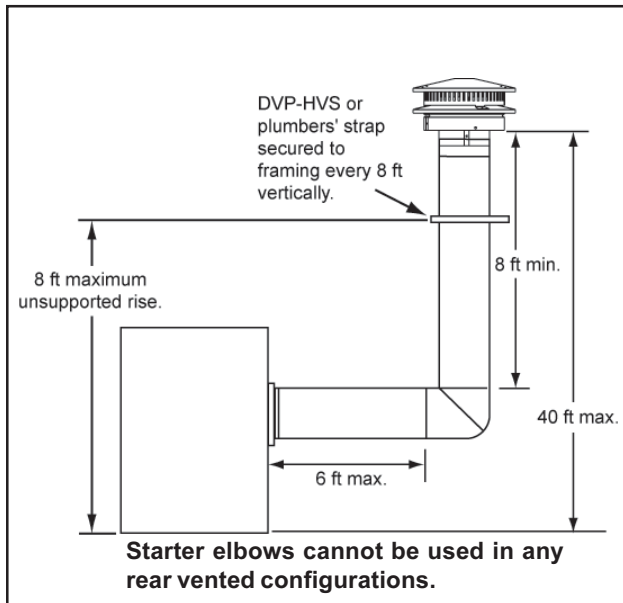


Figure 43
Rear Vent Length Allowances for Vertical Termination Only

CAUTION:
Provisions shall be made to provide adequate combustion and ventilation air.

WARNING - RISK OF FIRE!
Always maintain minimum clearances or greater around the vent system. Do not pack air spaces with insulation or other material.

d. Firestop Spacer/Vent Installation

Frame an opening and install a firestop spacer whenever the vent penetrates a ceiling/floor area, as shown in Figure 44. Frame the opening with the same sized lumber as used in the ceiling/floor joists. Unless the flue is offset, the hole should be directly above the appliance. **DO NOT** pack insulation around the vent.

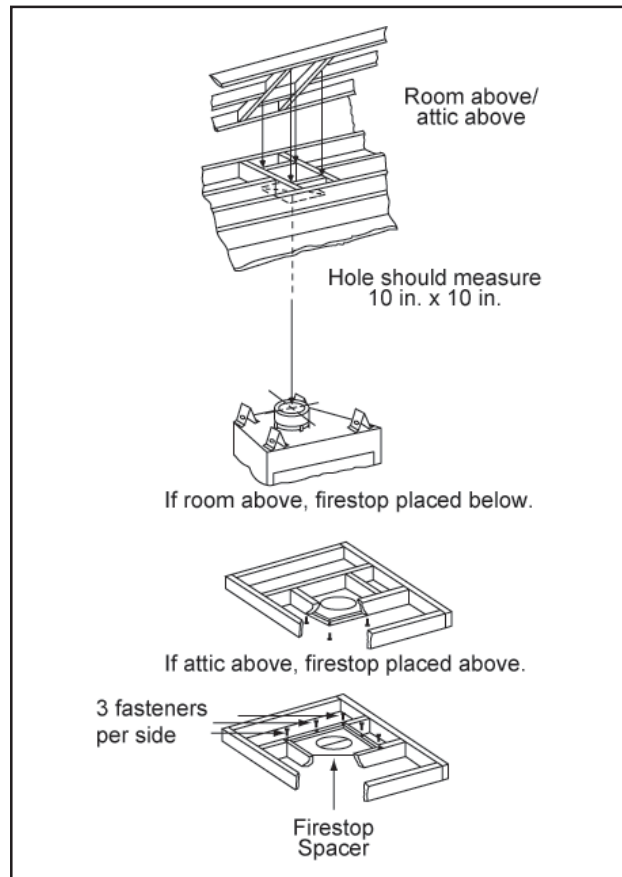


Figure 44
Installing the Firestop Spacer

The first name in fireplaces

e. Chase/Termination Installation

Figures 45 and 46, and Table 1 specify minimum vent heights for various pitched roofs.

These vent heights are necessary for safety and do not ensure draft-free operation. Trees, building, adjoining roof lines, adverse conditions, etc. may create a need for a taller vent should down drafting occur.

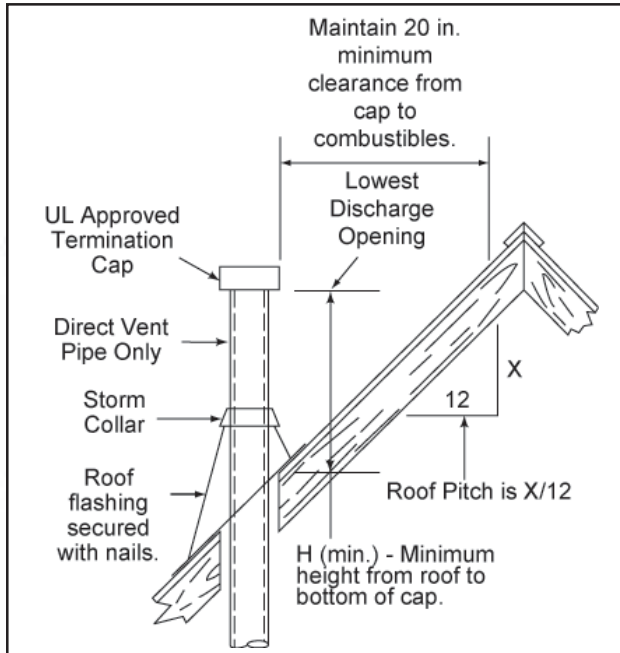


Figure 45 - Vent Height for Vertical Termination

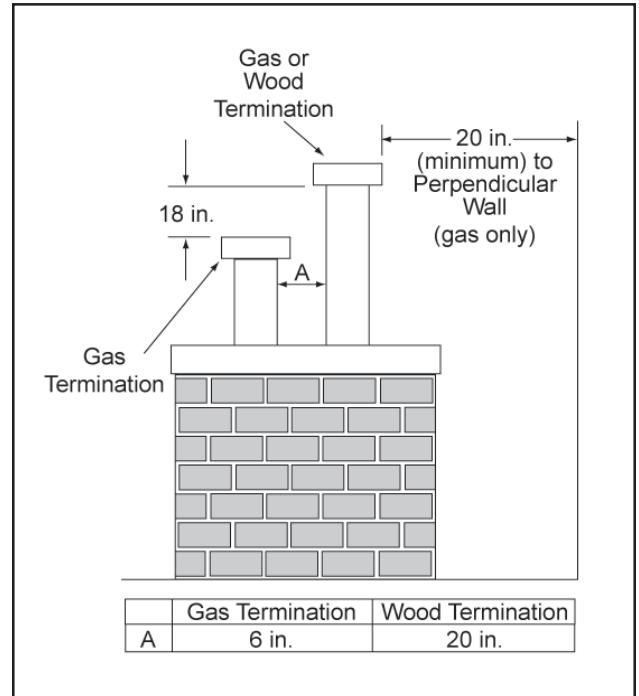


Figure 46 - Multiple Vertical Terminations

Roof Pitch	H (Min.) Ft.
Flat to 6/12	1.0
6/12 to 7/12	1.25
Over 7/12 to 8/12	1.5
Over 8/12 to 9/12	2.0
Over 9/12 to 10/12	2.5
Over 10/12 to 11/12	3.25
Over 11/12 to 12/12	4.0
Over 12/12 to 14/12	5.0
Over 14/12 to 16/12	6.0
Over 16/12 to 18/12	7.0
Over 18/12 to 20/12	7.5
Over 20/12 to 21/12	8.0

Table 1 - Vent Height

F. UTILITIES

1. High Altitude Installation

For U.S. installation, appliances are tested and approved for elevations from 0-2000 feet. When installing this appliance at an elevation above 2000 feet, National Fuel Gas Codes require a decrease of the input rating by changing the existing burner orifice to a smaller size. Input should be reduced 4% for each 1000 feet above sea level. Check with the local gas utility for proper orifice size identification. The correct orifice is available from your Heatilator distributor.

For Canada, appliances are certified for elevations from 0-4500 feet. When installing this appliance at an elevation between 0-4500 feet in Canada, the input rating does not need to be reduced. When installing this appliance at an elevation above 4500 feet in Canada, check with local authorities.

The first name in fireplaces

2. Gas Line Connection

The appliance is provided with a stainless steel flexible connector and a listed (and Commonwealth of Massachusetts approved) tee-handle manual shutoff valve. See Figure 47. The incoming gas line should be piped into the valve compartment and connected to the 1/2 in. FIP connection provided on the manual shutoff valve. See Figure 48 to connect the gas line. **Optional:** Seal around the gas line to prevent cold air leakage.

All connections must be tightened and checked for leaks with a commercially available, non-corrosive leak check solution. Be sure to rinse off the solution when done leak testing.

Bleed the gas line to extract any air that may have been trapped inside the pipe.

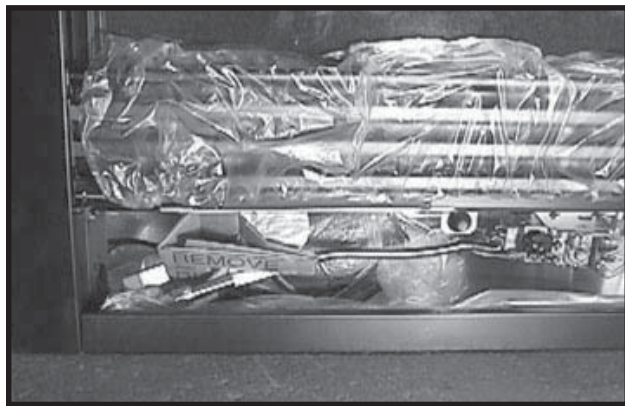


Figure 47
Flex Connector & Manual Shutoff Valve

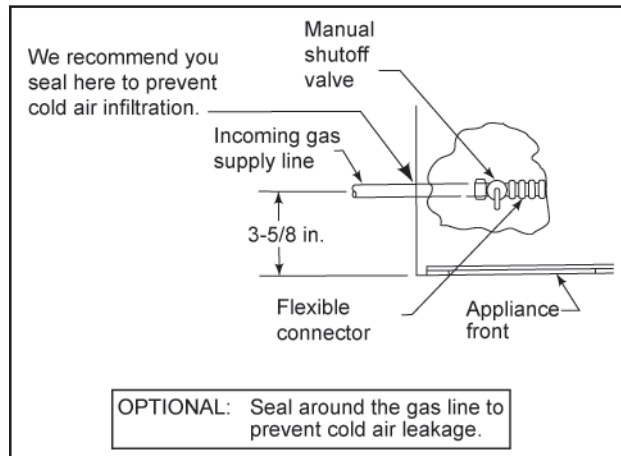


Figure 48 - Gas Line

Note: Have the gas supply line installed in accordance with building codes by a qualified installer approved and/or licensed as required by the locality. In the Commonwealth of Massachusetts, installation must be performed by a licensed plumber or gas fitter.

WARNING!
This valve has been preset at the factory. Altering settings may result in fire hazard or bodily injury.

Note: This appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2 psi (3.5 kPa). The appliance must be isolated from the gas supply piping system by closing its manual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psi (3.5 kPa).

3. Gas Pressure

A pressure tap is included on the front face of the standing pilot and electronic gas control valve.

Table 2 shows optimum gas pressure information. Consult your local gas company for assistance in determining the proper orifice for your altitude or refer to **ANSI Z223.1-latest edition, Appendix F**.

4. Field Fuel Conversion Instructions

Natural or propane gas conversions necessary to meet the application need to be made by a qualified technician using Hearth & Home Technologies specified and approved parts.

In the event your appliance must be converted to use: Propane/standing pilot - **CKVP**, Natural Gas/standing pilot - **CKVN**; Propane/intermittent pilot - **DCKVP**, Natural Gas/intermittent pilot - **DCKVN**.

CALIBER 60 and 80	
Inlet Gas Supply Pressure (N.G)	4.5 (min.) - 7.0 (max.) in w.c.
Optimal Manifold Pressure (N.G)	3.5 in. w.c.
Inlet Gas Supply Pressure (L.P.)	11.0 (min.) - 14.0 (max.) in. w.c.
Optimum Manifold Pressure (L.P.)	10 in. w.c.

Table 2 - Gas Information for Intermittent Pilot and Standing Pilot Appliances

CALIBER	60	80
Input Rate (N.G)	32,500 BTU/hr.	36,000 BTU/hr.
Input Rate (L.P.)	31,500 BTU/hr.	35,500 BTU/hr.
Orifice Size (N.G)	.113 in.	.120 in.
Orifice Size (L.P.)	.070 in.	.073 in.

Table 3 - Gas Information for Intermittent Pilot and Standing Pilot Appliances

The first name in fireplaces

5. Wiring

a. Intermittent Pilot Ignition

- 1) This appliance requires a 110VAC supply to the appliance junction box for operation. A wiring diagram is shown in Figure 49.
- 2) This appliance is equipped with an intermittent pilot control valve which operates on a 3V system.
- 3) This appliance is supplied with a battery pack and a 3VAC transformer, which requires the installation of the supplied junction box. We highly recommend that the junction box be installed at this time to avoid reconstruction.

The battery pack is supplied in the installation assembly. The battery pack should be connected as shown in Figure 49 and placed on the bottom pan of the appliance.

The battery pack requires two D cell batteries (not included). Batteries cannot be placed in the battery pack while using the 3 VAC transformer. Conversely, the transformer must be unplugged if the batter pack is used.

Note: This appliance must be electrically wired and grounded in accordance with local codes or, in the absence of local codes, with **National Electric Code ANSI/NFPA 70-latest edition** or the **Canadian Electric Code, CSA C22.1**.

CAUTION:
Battery polarity must be correct or control module damage will occur.

Note: Optional Accessories Requirements: Wiring for optional accessories should be done now to avoid reconstruction.

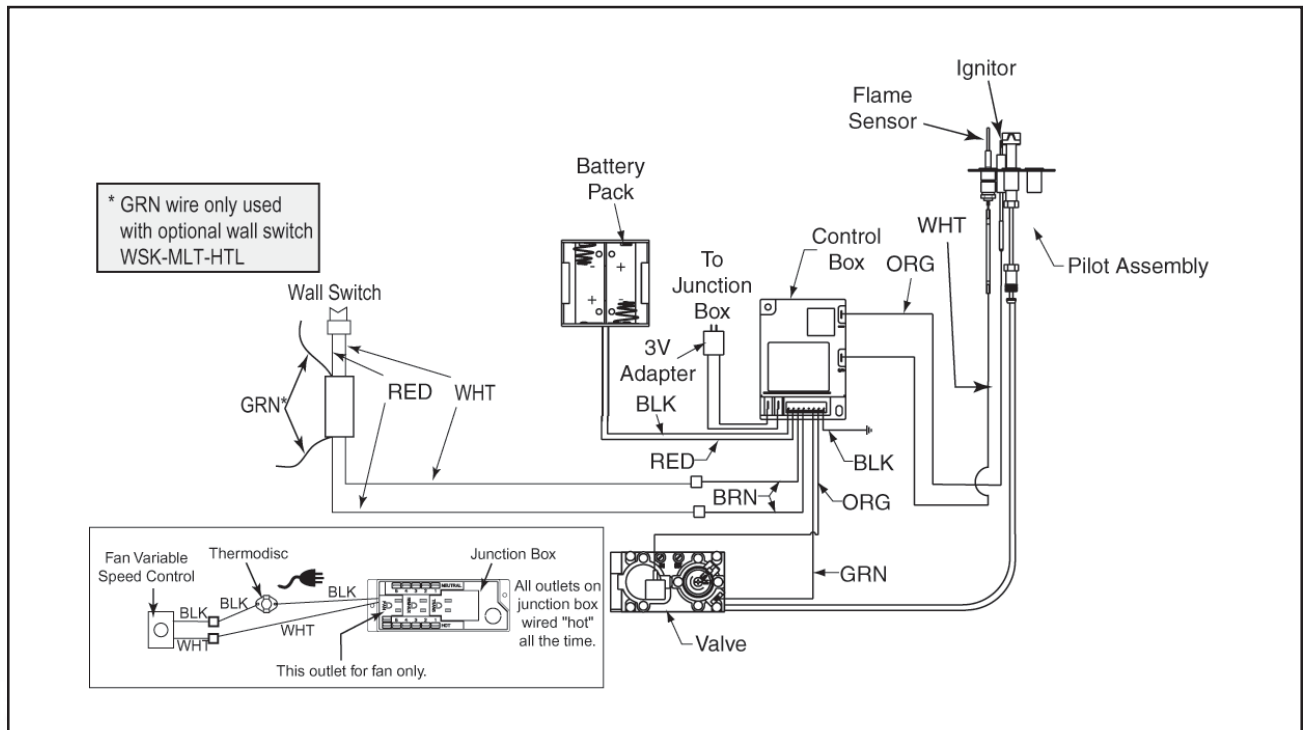


Figure 49 - Intermittent Pilot Ignition Wiring Diagram

The first name in fireplaces

b. Standing Pilot Ignition

- 1) This standing pilot appliances does not require a 110VAC supply to operate. It is suggested that a 110V junction box be installed for use with an optional fan and/or remote.
- 2) This appliance may be connected to a thermostat (not supplied). Use a thermostat that is compatible with a millivolt gas valve. See Figure 50 for a wiring diagram.

WARNING!

The standing pilot ignition appliance does **NOT** require a 110VAC supply for operation. Connecting the appliance/wall switch to a 110VAC supply will cause the appliance to malfunction and destroy the valve and thermopile.

Note: This appliance must be electrically wired and grounded in accordance with local codes or, in the absence of local codes, with **National Electric Code ANSI/NFPA 70-latest edition** or the **Canadian Electric Code, CSA C22.1**.

Note: Optional Accessories Requirements: Wiring for optional accessories should be done now to avoid reconstruction.

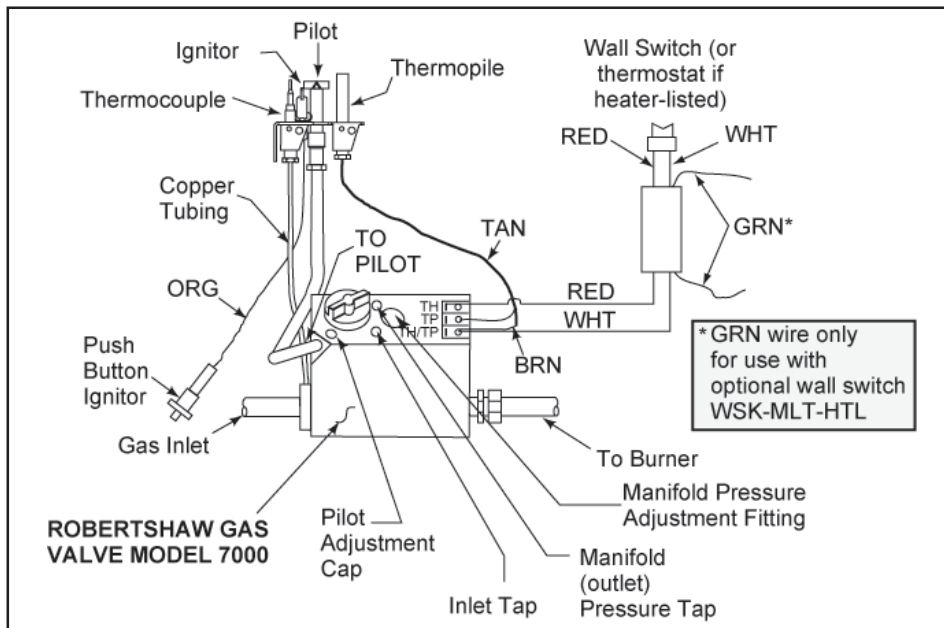


Figure 50 - Standing Pilot Ignition Wiring Diagram

The first name in fireplaces

The first name in fireplaces

6. Junction Box Installation Instructions

a. If the box is being wired from the OUTSIDE of the appliance:

- 1) Remove the cover plate located on the outer shell (right side).
- 2) Install the supplied Romex connector in the cover plate.
- 3) Loosen two screws on the Romex connector, feed the necessary length of wire through the connector and tighten the screws.
- 4) Make all necessary wire connections and reattach the cover plate to the outer shell.

b. If the box is being wired from the INSIDE of the appliance:

- 1) Remove the screw attaching the junction box to the outer shell, rotate the junction box inward to disengage it from the outer shell.
- 2) Pull the electrical wires from outside the appliance through this opening into the valve compartment.
- 3) Loosen the two screws on the Romex connector, feed the necessary length of wire through the connector and tighten the screws.
- 4) Make all necessary wire connections to the receptacle and assemble the receptacle and cover to the junction box.

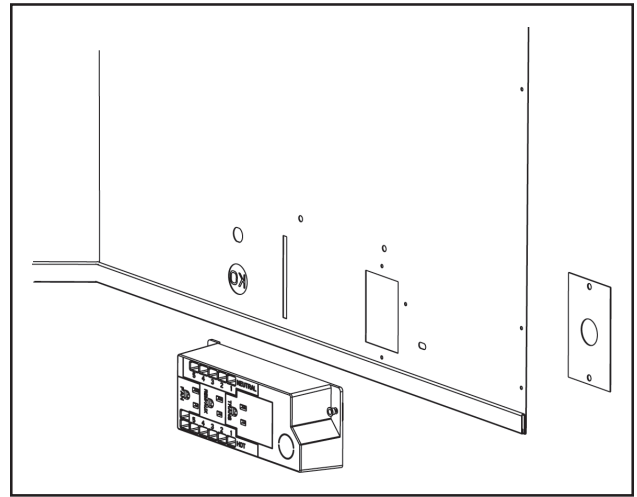


Figure 51 - Junction Box Detail

c. If the box is being wired to a wall mounted switch or BC10 for use with a fan (See Figure 52):

- 1) The power supply for the appliance must be brought into a switch box.
- 2) The power can then be supplied from the switch box to the appliance using a minimum of 14-3 with ground wire.
- 3) At the switch box connect the black (hot) wire and red (switch leg) wire to the wall switch or BC10 as shown.
- 4) At the appliance connect the black (hot), white (neutral) and green (ground) wires to the junction box as shown.
- 5) Route the red (switch leg) wire through the knockout in the face of the junction box and connect to the top switch connector (1/4 in. male) as shown.

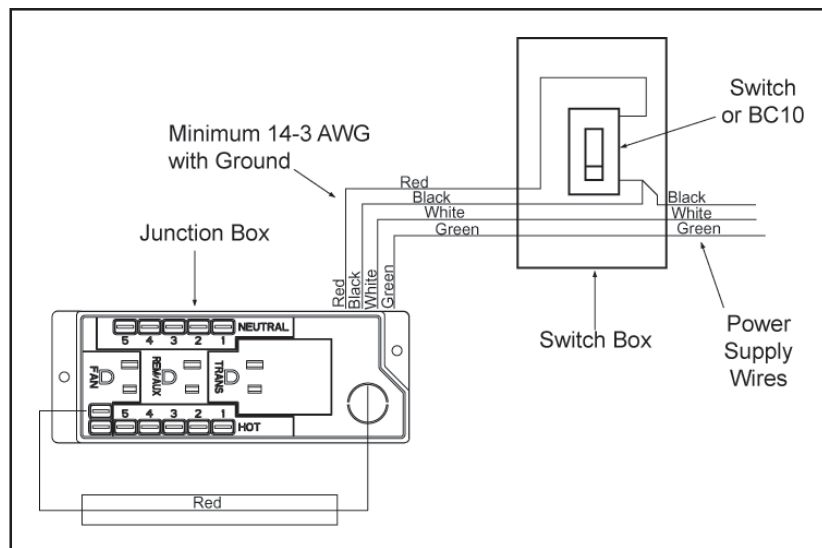


Figure 52 - Junction Box Wired to Wall Switch or BC10

G. FINISHING

1. Combustible Finishing 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 (this includes drywall).

2. Noncombustible Finishing 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, or have a UL Fire rating of Zero (0).

3. High Temperature Sealant Material

Sealants that will withstand high temperatures: General Electric RTV103 (Black) or equivalent; Rutland, Inc. Appliance Mortar #63 or equivalent.

A high temperature sealant, 1/8 in. minimum bead width, must be used to close off gaps between the appliance and facing to prevent cold air leaks. See Figure 53.

A combustible mantel may be installed. Please refer to Figure 4, page 7.

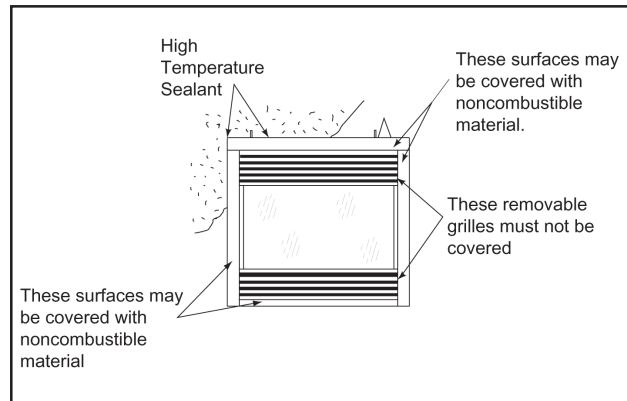


Figure 53 - Finishing Materials

WARNING!
Grilles on this appliance cannot, in any way, be covered as it may create a fire hazard.

The first name in fireplaces

H. APPLIANCE PREPARATION

The first name in fireplaces

1. Attach the Hood

The hood is to be located above the glass panel. The hood must be attached or a fire hazard may result. Position the hood and slide into the clips. See Figure 55.

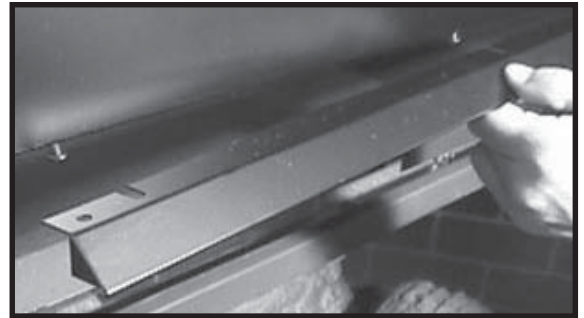


Figure 55 - Attaching the Hood

2. Remove the Upper Grille Panel

Grasp the upper grille panel and remove the rubber pins holding the grille. See Figure 56.



Figure 56 - Upper Grille Panel Removal

3. Remove the Control Access Panel

Release the spring pin on the right hand side of the control access panel. See Figure 57. Replace the panel (see Figure 58).



Figure 57 - Control Access Panel Removal

4. Remove the Glass and Screen

See Figure 69, page 33.

5. Prepare the Appliance

Remove the strap from the screws on the hearth pan. Remove the foam material. The log set should look similar to that in Figure 54.

6. Place the Lava Rock and Vermiculite

See Figures 59-61. It is not necessary to use the entire bag. Save the remaining amount for future use.

7. Place the Rock Wool

Place a small amount of 1/2 in. diameter pieces (dime-size) of rock wool on the burner pan so that the rock wool touches but does not cover the holes in the burner pan. This will provide the "glowing embers" look. As with the lava rock and vermiculite, it is not necessary to use the entire bag. Save the remaining for future use. See Figures 59 and 62.

8. Place the Fire Glow

Fire glow (FIRE98) is a flame colorant material that also adds to the realism of the gas appliance flame. After placing the rock wool in the appliance, sprinkle some of the fire glow on top of the burner. As with the lava rock, vermiculite and rock wool, it is not necessary to use the entire bag. Save the remaining for future use. See Figures 59 and 63.

9. Replace the Glass

Replace the glass as shown in Figure 69 on page 33.



Figure 58 - Replace the Control Access Panel



Figure 54 - CALIBER Log Set (CALIBER 60 shown)

WARNING - RISK OF CARBON MONOXIDE!
Do not hit or strike glass. Do not operate this appliance if the glass is broken or cracked.

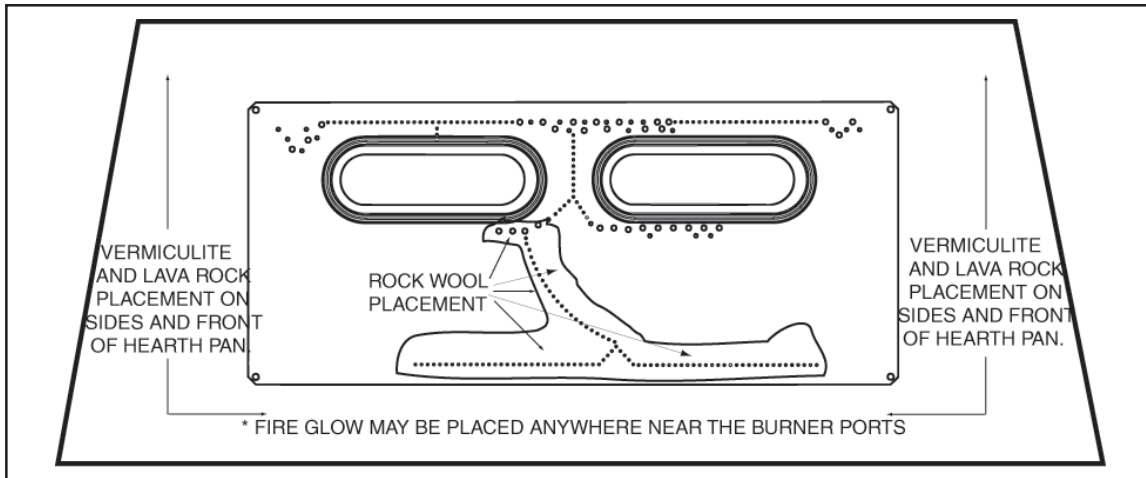


Figure 59 - Placing the Vermiculite, Lava Rock, Rock Wool and Fire Glow.



Figure 60 - Placing the Lava Rock



Figure 62 - Placing the Rock Wool



Figure 61 - Placing the Vermiculite



Figure 63 - Placing the Fire Glow

WARNING - RISK OF CARBON MONOXIDE!
Never operate this appliance with the glass removed or not sealed.

Installation is now complete.

The first name in fireplaces

The first name in fireplaces

I. DETERMINE THE IGNITION

To determine whether your appliance is an intermittent pilot ignition or a standing pilot ignition system, open the control access panel to examine the wiring system. If your system has a red ignitor button, as shown in Figure 64, you own a standing pilot ignition appliance. If no red ignitor button is present, you own an intermittent pilot ignition appliance.

You may also check the rating label located on the inside of the control access panel to determine ignition type.

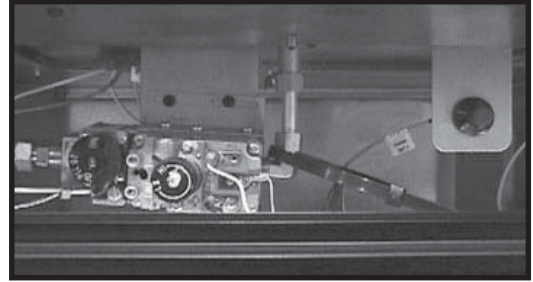


Figure 64
Standing Pilot Ignition

J. LIGHTING INSTRUCTIONS

1. Intermittent Pilot Ignition

FOR YOUR SAFETY READ BEFORE OPERATING

WARNING!

If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- A. This appliance does not have a pilot. It is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.
- B. BEFORE OPERATING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.
 - WHAT TO DO IF YOU SMELL GAS
 - Do not try to light any appliance.
 - Do not touch any electric switch; do not use any phone in your building.
 - Immediately call your gas supplier from a neighbor's phone. Follow the supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department.
- C. Use only your hand to turn the manual shutoff valve. Never use tools. If the lever or knob will not move by hand, don't try to repair it - call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- D. Do not use the appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

LIGHTING INSTRUCTIONS

1. STOP! Read the safety information above on this label.
2. Turn wall switch to the "OFF" position.
3. This appliance is equipped with an ignition device which automatically lights the burner. Do not try to light burner by hand.
4. Wait five minutes to clear out any gas. If you then smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go on to the next step.
5. To turn on burner, turn on the wall switch.
6. If the appliance will not operate, follow the instructions "TO TURN OFF GAS TO APPLIANCE" and call your service technician or gas supplier.

TO TURN OFF GAS TO APPLIANCE

- | | |
|-----------------------------------|--|
| 1. Turn off the wall switch. | 3. Turn gas line to the "CLOSED" position. Do not force. |
| 2. Open the control access panel. | 4. Close the control access panel. |

2. Standing Pilot Ignition

**FOR YOUR SAFETY
READ BEFORE OPERATING**

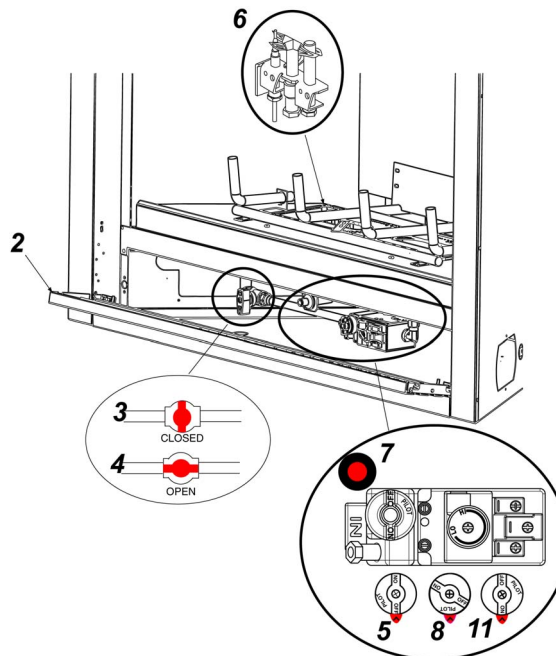
WARNING!

If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

- A. This gas appliance has a manual ignition device that lights the pilot. When lighting the pilot, follow these instructions exactly.
- B. BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor
WHAT TO DO IF YOU SMELL GAS
 - Do not try to light any appliance.
 - Do not touch any electric switch; do not use any phone in your building.
 - Immediately call your gas supplier from a neighbor's phone. Follow the supplier's instructions.
 - If you cannot reach your gas supplier, call the fire department.
- C. Use only your hand to push in or turn the gas control knob to light the pilot. Never use tools. If the knob will not push in or turn by hand, don't try to repair it - call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- D. Do not use the appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

**LIGHTING INSTRUCTIONS
STOP! READ THE SAFETY INFORMATION ABOVE ON THIS LABEL!**

1. Turn wall switch to the "OFF" position.
2. Open the control access panel.
3. Turn gas line to "CLOSED". Wait 5 minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to the next step.
4. Turn gas line to "OPEN".
5. Turn pilot knob clockwise to "OFF" (knob may have to be depressed to pass the PILOT position).
6. Locate pilot assembly inside the appliance.
7. Locate red ignitor button.
8. Turn pilot knob to "PILOT" and push in.
9. Continue to hold in pilot knob and push the red ignitor button 12-15 times until small blue pilot flame appears.
10. Continue to hold in pilot knob for approximately one minute. Pilot should remain lit. If pilot goes out, wait 5 minutes and repeat Steps 4-9.
11. To light the main burner, release and turn the knob counterclockwise to "ON". If the appliance is connected to a wall switch, turn the switch to "ON". Do not light by hand.
12. If the appliance will not operate, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.



TO TURN OFF GAS TO APPLIANCE

1. Turn off the wall switch.
2. Open the control access panel.
3. Turn the gas line to the "CLOSED" position. Do not force.
4. Close the control access panel.

The first name in fireplaces

K. SEASONAL CHECKLIST

WARNING!

Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition. Young children should be carefully supervised when they are in the same room as the appliance.

CAUTION:

Any safety screen or guard removed for servicing an appliance must be replaced prior to operating this appliance.

Clothing or other flammable material should not be placed on or near the appliance.

Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a qualified service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean.

Before operating this appliance, have a qualified technician:

1. Review proper placement of logs, rock wool lava rock and vermiculite.
2. Check the wiring.
3. Check the air shutter adjustment.
4. Ensure there are no gas leaks.
5. Ensure the glass is sealed and in the proper position.
6. Ensure the flow of combustion and ventilation air is not obstructed.

WARNING!

Keep the area near the appliance clear and free from combustible materials, gasoline and other flammable vapors and liquids.

1. Standing Pilot Operation

- a. Hearth & Home Technologies recommends you leave the pilot on year round.
- b. **Lighting the Appliance During Regular Use**
Turn the wall switch to "ON".
- c. **Shutdown During Regular Use**
Turn the wall switch to "OFF".
- d. **Long Term Shutdown**
 - 1) Turn all wall switches to "OFF".
 - 2) Turn the pilot knob on the valve to "OFF".
 - 3) Turn the gas line to "CLOSED".
 - 4) To relight the pilot and appliance, see page 29.

2. Intermittent Pilot Ignition Operation

- a. **Lighting the Appliance During Regular Use**
Turn the wall switch to "ON".
- b. **Shutdown During Regular Use**
Turn the wall switch to "OFF".
- c. **Long Term Shutdown**
 - 1) Turn all wall switches to "OFF".
 - 2) Turn the gas line to "CLOSED".
 - 3) To relight the appliance see page 28.

WARNING!

Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

L. START-UP ISSUES

ISSUE	SOLUTIONS
1. Condensation on the glass.	1. This is a result of gas combustion and temperature variations. As the appliance warms, this condensation should disappear.
2. Blue flames.	2. This is a result of normal operation and the flames will begin to yellow as the appliance is allowed to burn.
3. Odor from appliance.	3. When first operated, this appliance may release an odor for the first several hours. This is caused by the curing of the paint and the burning off of any oils remaining from manufacturing.
4. Film on the glass.	4. This is a normal result of the curing process of the paint and logs. Glass should be cleaned within 4-6 hours of initial burning to remove deposits left by oils from the manufacturing process. A non-abrasive cleaner, such as Brasso may be necessary.

WARNING!

Never use gasoline, gasoline-type lantern fuel, kerosene, charcoal lighter fluid or similar liquids in this appliance. Keep any flammable liquids a safe distance from the appliance.

The first name in fireplaces

M. MAINTENANCE INSTRUCTIONS

1. Cleaning the Burner and Control Compartment

Keep the burner and control compartment clean by brushing and vacuuming at least once a year. Always turn off the wall switch (or remote control) and gas valve before cleaning.

2. Checking the Vent System

The venting system should be checked for obstructions to assure proper operation.

3. Checking Flame Patterns

Check the appearance of the flame of the burner periodically, making sure the flames are steady, not lifting or floating. The flame color should be blue with yellow tips. The flame sensor (intermittent pilot) or thermopile and thermocouple tips (standing pilot) should be covered with flame. See Figures 65 and 66.

Note: After extended periods of burning, film may build up on the flame sensor (intermittent pilot ignition). The flame sensor should be cleaned annually with emery cloth to remove this build up.

If the vent configuration is installed incorrectly, the vent may cause the flames inside the appliance to lift or “ghost” - a dangerous situation. Inspect the flames after installation to ensure proper performance. See Figure 67. If the vent configuration is correct, yet the flames are lifting or ghosting, shut off gas to the appliance and contact the dealer.

Note: The look of the flames and embers may differ based on the type of fuel and venting assembly that is required.

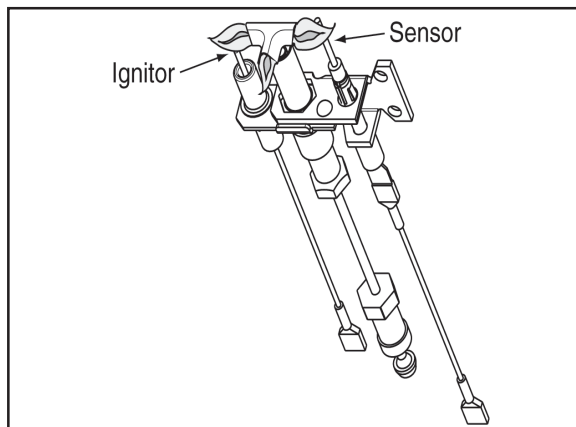


Figure 65
Intermittent Pilot Ignition

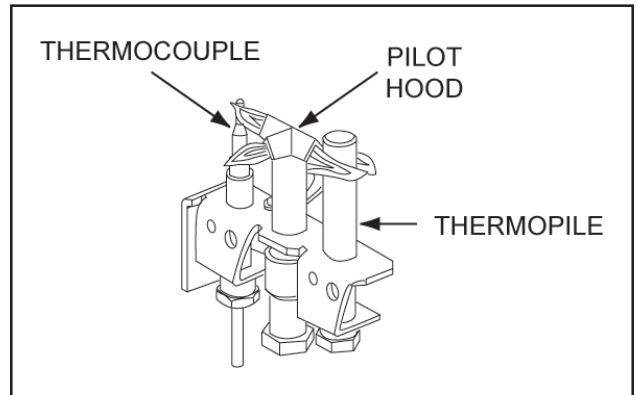


Figure 66
Standing Pilot



Figure 67
Flame Patterns - (60 Series shown)

To prevent the possibility of soot, we have provided your appliance with an adjustable air shutter. Your air shutter is provided in the closed position for natural gas and in the open position for propane. It takes 16 full turns (360 degrees) to move the air shutter from fully OPEN to fully CLOSED. In the event soot is accumulating in your appliance, the air shutter should be opened farther. This can be done by opening the control access panel and locating the fixed wing bolt (Figure 68) located on the bottom of the appliance. When the fixed wing bolt is turned all of the way **DOWN**, the air shutter is fully **closed**. When the fixed wing bolt is turned all the way **UP**, the air shutter is fully **open**.

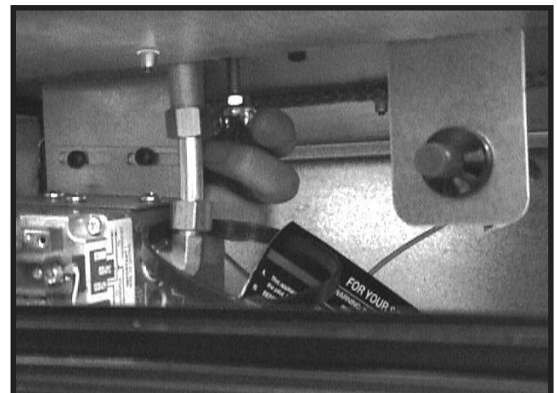


Figure 68
Air Shutter Fixed Wing Bolt Location

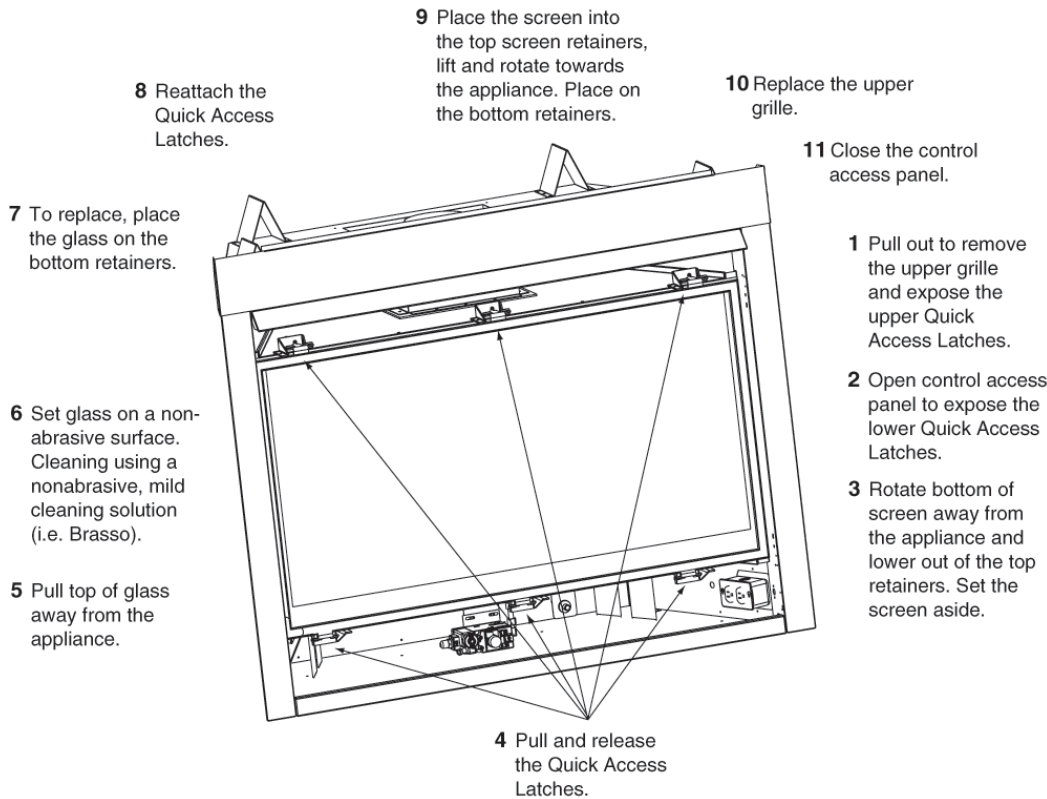
The first name in fireplaces

4. Venting System Inspection

The appliance and venting system should be inspected before use, and at least annually, by a qualified field service person, to ensure that the flow of combustion and ventilation air is not obstructed.

5. Cleaning the Glass

See Figure 69. Never operate this appliance without the glass properly secured in place or if the glass is broken. In the event of glass breakage, carefully remove the glass frame. This will allow the removal of all glass fragments and sheet metal edge protection strips. Vacuum all remaining glass pieces with a shop vac. **DO NOT VACUUM IF PIECES ARE HOT.** Replace glass with only a Heatilator glass panel assembly ordered through your local distributor. Never use substitute material. Only fully tempered soda lime safety glass or ceramic glass may be used on this appliance.



Safety Note:
Handle glass with care to avoid striking, scratching or slamming shut. **NEVER** clean glass when it is hot. Keep children and pets a safe distance away.

Figure 69 - Glass Cleaning

6. Log Removal/Replacement

If removal of the logs becomes necessary, remove the two screws, one at each end of the grate. Grasp the grate as shown and pull the logs up and off the burner. See Figure 70.

To replace the logs, grasp the grate as shown. Lower the log set onto the burner pan, making sure the tabs on the front of the grate line up with the holes provided. Attach the two screws at each end of the grate.



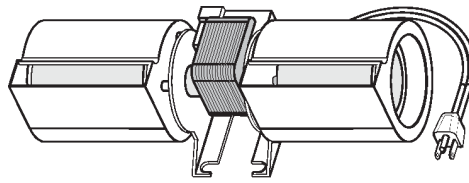
Figure 70 - Log Removal

The first name in fireplaces

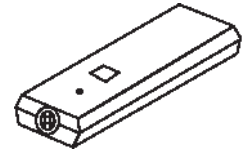
N. OPTIONAL COMPONENTS



WSK-MLT-HTL
Multi-Function Wall Switch



GFK160
Thermostat-Controlled
Fan Kit 160 CFM



RC-SMART-HTL
Remote Control

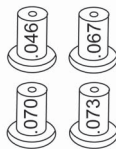
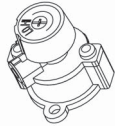
RC-BATT-HTL
Battery-operated Remote
Control (Standing Pilot)

RCT-MLT-HTL
Multi-Function
Remote Control

SMART-STAT-HTL
Remote Control with
Thermostat Control

SMART-BATT-HTL
Battery-operated Remote
Control with Thermostat
Control

Dexen Valve
Regulator
Replacement Kit

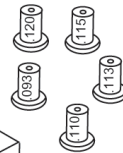


Burner
Orifices

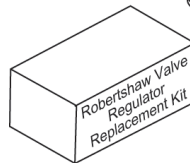


Pilot Orifice
(.011)

Burner Orifice



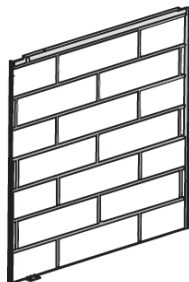
Pilot Orifice



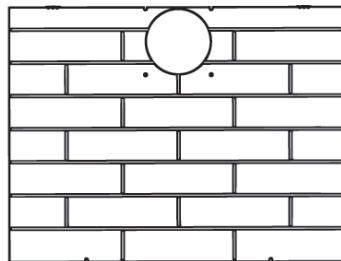
Robertshaw Valve
Regulator
Replacement Kit

DCKVP & DCKVN
Conversion Kits for
Intermittent Pilot

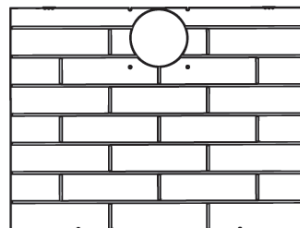
CKVP & CKVN
Conversion Kits for
Standing Pilot



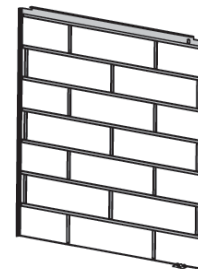
CALIBER 60/80
LEFT SIDE
REFRACTOR



CALIBER 80 REAR REFRACTOR



CALIBER 60 REAR REFRACTOR

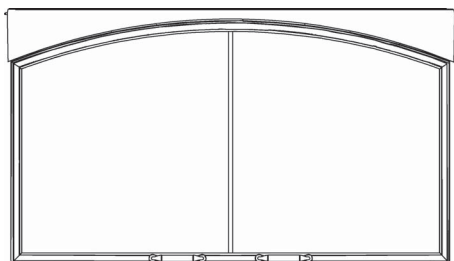


CALIBER 60/80
RIGHT SIDE
REFRACTOR

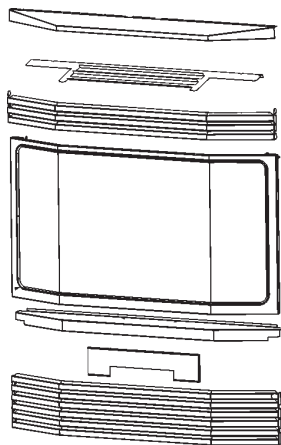
RCA60D & RCA80D
Refractories - 60/80

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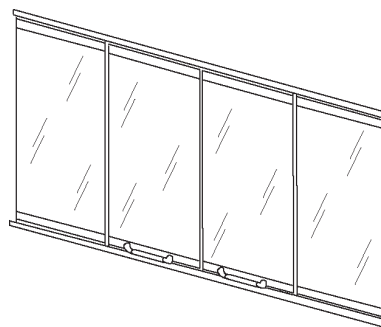
OPTIONAL COMPONENTS (cont.)



DFA36/B/S, DFA42/B/S
Arched Door



DFBC36, DFBC42
Bay Door



DFC2/B/S & DFN6/B/S
Fixed Glass Doors

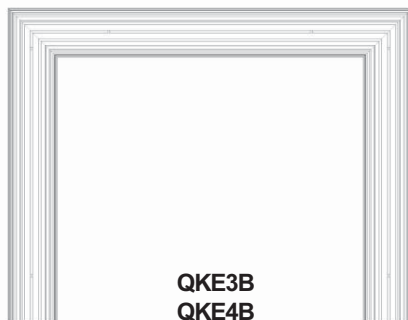
COLOR KEY

Suffix	Finish
none	Black
B	Brass
S	Stainless Steel
AC	Antique Copper
BN	Brushed Nickel
CP	Copper
PT	Pewter

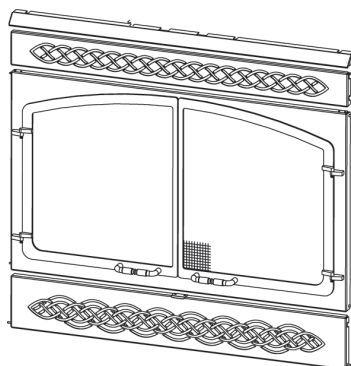
(picture not available)
TK302B/S, TK402B/S
Trim Kits

(picture not available)
TK6B/S/BN/PT
TK7B/S/BN/PT
Trim Kits

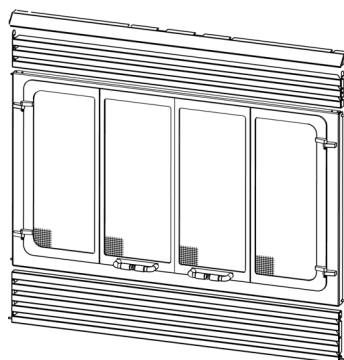
(picture not available)
TKN65B/S/BN/PT
Trim Kits



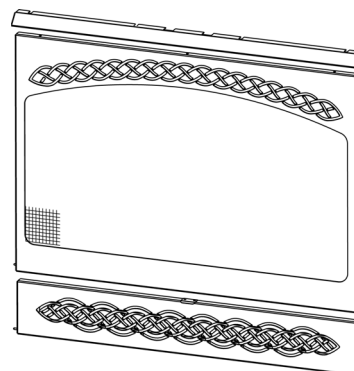
QKE3B
QKE4B
Quick Tile Brass Surround



NXT-AMD 70/90
Cabinet Door Face



NXT-BFMD 70/90
Bifold Door Face



FF-NXT 70/90 PWT
Filligree Door Face

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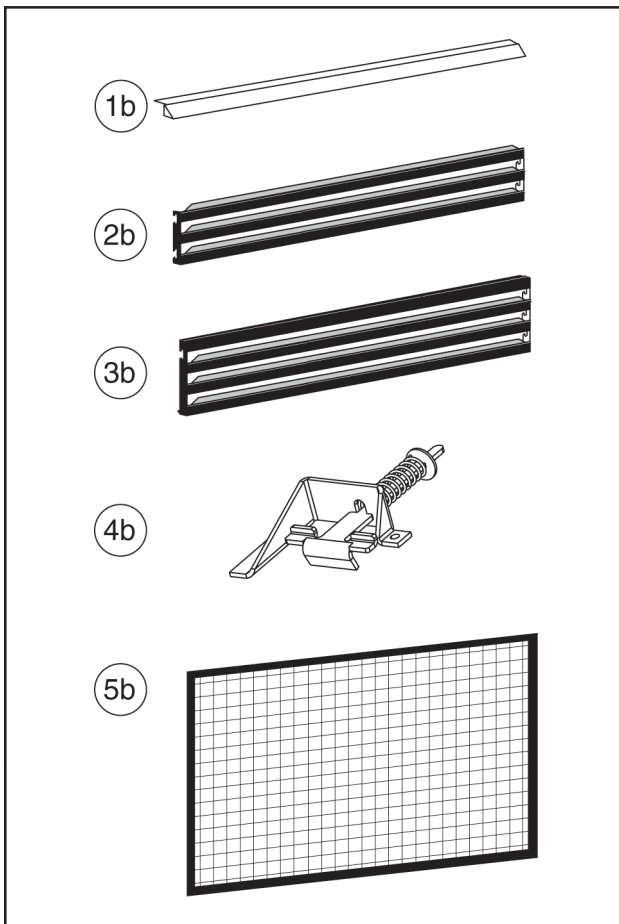
O. REPLACEMENT PARTS

Replacement parts are available from you distributor/dealer.



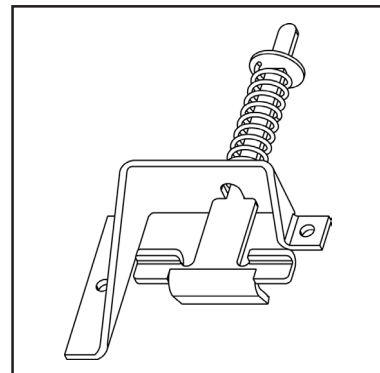
Item A - Gas Log Assembly

ITEM	PART #	DESCRIPTION	QTY
A	30837	Grate/Log Assembly - 60	1
	30846	Grate/Log Assembly - 80	1
1a	29780	Front Right Log	1
2a	29779	Front Left Log	1
3a	29829	Middle Left Log	1
4a	29830	Top Right Log	1
5a	30037	Burnt Out Log	1
6a	30036	Back Log - 60	1
	30167	Back Log - 80	1
	Fire 98	Fire Glow (not shown)	1
	14333B	Rock Wool (not shown)	1
	28746	Vermiculite (not shown)	1
	28911	Lava Rock (not shown)	1



Item B - Panels, etc.

ITEM	PART #	DESCRIPTION	QTY
B		Panels, etc.	
1b	29575	Hood - 60	1
	29577	Brass Hood - 60	1
	29576	Hood - 80	1
	29588	Brass Hood - 80	1
2b	26637	Upper Grille - 60	1
	26638	Upper Grille - 80	1
3b	25016	Lower Grille - 60	1
	25144A	Lower Grille - 80	1
4b	33858	Quick Access Latches™	4/6
5b	4031-095	Glass Kit w/Screen - 36 in.	1
	4031-096	Glass Kit w/Screen - 42 in.	1



Item 4b - Quick Access Latch™ - Close-up

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GAS APPLIANCE (FIREPLACE) LIMITED LIFETIME WARRANTY

HEARTH & HOME TECHNOLOGIES INC. ("HHT") extends the following warranty for HEATILATOR® gas appliances installed in the United States of America or Canada (the "Appliance"). Dealers and employees of HHT have no authority to make any warranty or authorize any remedies in addition to or inconsistent with the terms of this warranty.

Limited Lifetime Warranty

HHT warrants the Appliance for component failure due to a manufacturing defect of any of the following components: combustion chamber, burner pan, and logs. The Limited Lifetime Warranty specified above is subject to the conditions, exclusions and limitations listed below, is for the period the Appliance is owned by the original homeowner only, and is nontransferable.

1 Year Limited Warranty

HHT warrants the Appliance to be free from failure of any of the following components for a period of one year after installation: valve, flexible gas line connector, glass panel, fan, direct vent chimney components, factory paint, gasket, piezo ignitor, thermopile, thermocouple, junction box, pilot assembly, shutoff valve, high limit switch, refractory liners, transformer, and control box. If the Heatilator Appliance is found to be defective in either material or workmanship within one year of the date of original installation, HHT will provide replacement parts at no charge and pay reasonable labor and freight costs, and is for the period of one year following the date of original installation of the Appliance.

Conditions, Exclusions, & Limitations of Liability

- A.** Both the Limited Lifetime and 1 Year Limited Warranties supplied by HHT apply only while the Appliance is in its location of original installation. HHT's obligation under this warranty does not extend to damages resulting from (1) installation, operation or maintenance of the Appliance 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 Appliance or any other components not expressly authorized and approved by HHT; and/or (7) modification of the Appliance not expressly authorized and approved by HHT in writing. This warranty is limited to only the component parts manufactured or supplied by HHT.
- B.** HHT's liability under both the Limited Lifetime Warranty and the 1 Year Limited Warranty is limited to the replacement and repair of defective components or workmanship during the applicable period. HHT may fully discharge all of its obligations under such warranties by repairing the defective component(s) or at HHT's discretion, providing replacement parts at no charge and paying reasonable labor and freight costs.
- C. EXCEPT TO THE EXTENT PROVIDED BY LAW, HHT 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 & Home Technologies, 1915 W. Saunders Street, Mt. Pleasant, Iowa 52641-1563. You may also register your claim online at www.heatilator.com/contact.asp.
2. Provide proof of purchase, model number, serial number, and manufacturing date code to HHT.
3. Provide HHT 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 HHT'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 1-800-927-6841.

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