

INSTALLATION & OWNER'S MANUAL

valor® H5 Series



Direct Vent Zero Clearance Gas Fireplaces
1100JN (natural gas) & 1100JP (propane gas)
1150JLN (natural gas) & 1150JLP (propane gas)



DANGER

Please read this manual
BEFORE installing and
operating this appliance.



**HOT GLASS WILL
CAUSE BURNS.**

**DO NOT TOUCH GLASS
UNTIL COOLED.**

**NEVER ALLOW CHILDREN
TO TOUCH GLASS.**

A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and must be installed for the protection of children and other at-risk individuals.

INSTALLER

Leave this manual
with the appliance.

CONSUMER

Retain this manual
for future reference.

⚠ WARNING

FIRE OR EXPLOSION HAZARD

Failure to follow safety warnings exactly could result in serious injury, death, or property damage.

- 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.
 - Leave the building immediately.
 - 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.

This manual contains instructions to install the **ENGINE ONLY**. A trim kit is **REQUIRED** to complete the installation. A barrier screen is provided with the trim kit. **Refer to the manual supplied with the trim for installation.**

This appliance may be installed in an after-market permanently located, manufactured (mobile) home where not prohibited by local codes.

This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

This appliance is a domestic room-heating appliance. It must not be used for any other purposes such as drying clothes, etc.

This appliance is suitable for installation in a bedroom or bed sitting room.

Ce guide est disponible en français sur demande.

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Massachusetts: The piping and final gas connection must be performed by a licensed plumber or gas fitter in the State of Massachusetts. Also, see Carbon Monoxide Detector requirements on page 71.



The information contained in this installation manual is believed to be correct at the time of printing. Miles Industries Ltd. reserves the right to change or modify any information or specifications without notice. Miles Industries Ltd. grants no warranty, implied or stated, for the installation or maintenance of your heater, and assumes no responsibility for any consequential damage(s).

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SAFETY AND YOUR FIREPLACE

Read and understand all instructions carefully before starting the installation. **Failure to follow** these installation instructions may result in possible fire hazard and will void the warranty.

Prior to the first firing of the fireplace, read the Owner's information section of this manual.

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

This unit is not for use with solid fuel.

Installation and repair should be performed by a qualified service person. The appliance and venting system should be **inspected** before initial use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding, etc. It is **imperative** that the unit's control compartment, burner, and circulating air passageways **be kept clean** to provide for adequate combustion and ventilation air.

Always keep the appliance clear and free from combustible materials, gasoline, and other flammable vapors and liquids.

Never obstruct the flow of combustion and ventilation air. Keep the front of the appliance **clear** of all obstacles and materials for servicing and proper operation.

This unit must be used with a vent system as described in this installation manual. **No other** vent system or components **may be used**.

This gas fireplace and vent assembly must be vented directly to the outside and must never be attached to a chimney serving a separate solid fuel burning appliance. Each gas appliance must use a separate vent system. Common vent systems are prohibited.

Inspect the external vent cap on a regular basis to make sure that no debris, plants, trees, shrubs are interfering with the air flow.

Turn off the gas before servicing this appliance. It is recommended that a qualified service technician perform an appliance check-up at the beginning of each heating season.



WARNING:

This product can potentially expose you to chemicals including Benzene which are known to the State of California to cause cancer and birth defects or other reproductive harm. **For more information go to www.P65Warnings.ca.gov**

Do not use this heater as a temporary source of heat during construction.

Due to the high temperature, the appliance should be **located** out of traffic areas and away from furniture and draperies.

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

This appliance is a **domestic room-heating appliance**. It must not be used for any other purposes such as drying clothes, etc.

Do not place furniture or any other combustible household objects within 36" of the fireplace front.

Be careful not to put any decorating objects sensitive to heat to close above or around the fireplace as it gets very hot when operating.

The glass door assembly must be in place and sealed before the unit can be placed into safe operation.

Do not operate this appliance with the glass door removed, cracked, or broken. Replacement of the glass door should be performed by a licensed or qualified service person. Do not strike or slam the glass door.

The glass door assembly shall only be replaced as a complete unit, as supplied by the fireplace manufacturer. No substitute material may be used.

Do not use abrasive cleaners on the glass door assembly. Do not attempt to clean the glass door when it is hot.

A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and **shall be installed for the protection of children and other at-risk individuals.**

If the barrier becomes damaged, the barrier shall be replaced with the manufacturer's barrier for this appliance.

Any safety screen, guard or barrier removed for servicing the appliance, must be replaced prior to operating the appliance.

Children and adults should be alerted to the hazards of high surface temperature 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. Toddlers, young children and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at-risk individuals in the house. To restrict access to a fireplace or stove, install an adjustable safety gate to keep toddlers, young children and other at-risk individuals out of the room and away from hot surfaces.



Safety and Your Fireplace

Read and carefully follow all safety warnings and operating instructions contained in your owner's manual

Replacement manuals are available by contacting the Valor Service Department at 1-800-468-2567 or visit www.valorfireplaces.com.

FOLLOW THESE IMPORTANT CHILD SAFETY PRECAUTIONS AND RECOMMENDATIONS

Parts of your Valor Fireplace become extremely hot while in operation.

The glass viewing window temperature can exceed 500 F at full capacity.

Momentary contact with a hot glass surface can cause a severe burn, even if the fireplace is operating at reduced heating capacity.

The glass window will remain hot for an extended period of time after the fireplace has been turned off. Ensure that children are prevented from touching the fireplace during the cool down period.

Toddlers and Young Children must be closely supervised at all times when they are in the same room as the operating fireplace. They lack full awareness of danger and rely on your protection. Toddlers, in particular, do not have the motor skills and response reflexes to withdraw in the event of accidental contact with a hot surface.

A physical barrier is strongly recommended if there are young children, or at-risk individuals in the house. Install an approved after-market safety gate to keep toddlers, young children and



other at-risk individuals a safe distance from the fireplace.

Keep the remote control handset out of reach of children at all times. A wall mount storage holster is provided with your remote control handset.

Ensure that the fireplace, including the pilot light, is completely turned off when children are present and close supervision and safety barriers are not available—see page 7 of this manual.

If the fireplace is not going to be used for the summer or any extended period of time, remove the batteries from the remote control handset and remote battery box. It is recommended that batteries are replaced annually in any event—see page 19.



SAFETY AND YOUR FIREPLACE

This manual and particularly the preceding and following pages contain very important information regarding the safe operation of your fireplace as well as maintenance instructions. Read carefully before operating your fireplace and pay special attention to the safety warnings.

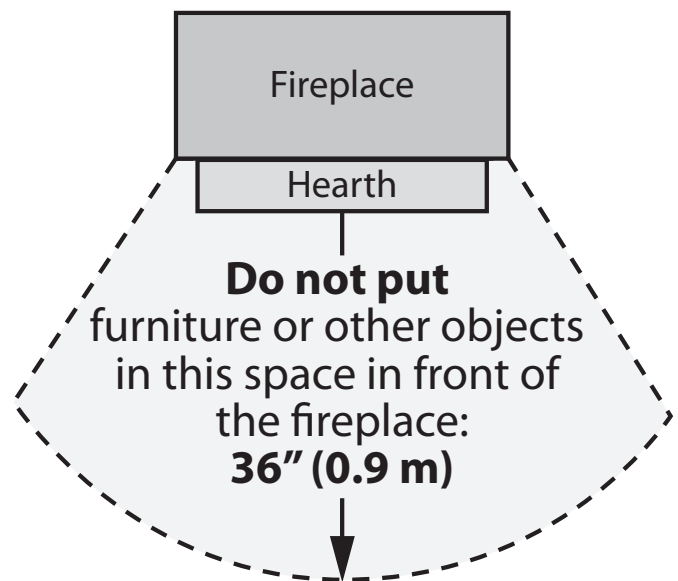
A heating gas appliance does require safe handling. For this reason, we very strongly recommend children are not allowed to touch the fireplace or controls. **Install a screen or barrier in front of the fireplace to protect your children against severe burns.**

This appliance is designed and approved as a supplemental heater and provides the potential for most energy conservation when used while attended. The use of an alternate primary heat source is advisable.

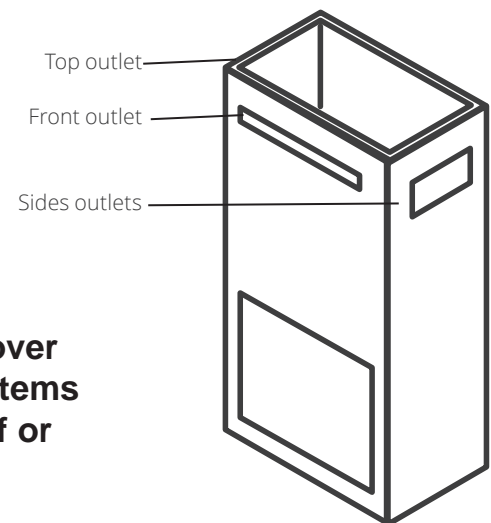


WARNING EXTREMELY HOT!!!

- **Read the safety information on pages 3 and 4 of this manual before operating your gas heater.**
- Some parts of your fireplace are **extremely hot**, particularly the **glass** window.
- **Do not let children touch the glass** or any parts of your fireplace **even after it is turned off** as it is still hot.
- **Use the barrier screen** provided with the trim or a gate to reduce the risk of severe burns.
- Keep the remote control handset **out of reach of children.**
- **Hot wall surfaces!** The wall directly above the fireplace is **very hot** when the fireplace heats. It is constructed of non-combustible materials and although safe, it may reach temperatures **in excess of 200° F** depending on choice of trims or optional accessories. **DO NOT TOUCH! We recommend installing the optional LDK HeatShift Duct Kit when hot walls are a concern.**
- **Hot hearth/floor surface!** The hearth or floor directly in front of the fireplace is very hot when the fireplace heats. Even if constructed of non-combustible materials, and although safe, it may reach temperatures **in excess of 200° F** depending on choice of materials. **Do not step on it!**
- Some materials or items, although safe, may discolor, shrink, warp, crack, peel, and so on because of the heat produced by the fireplace. **Avoid placing** candles, paintings, photos, and other items **sensitive to heat** within 36 inches (0.9 m) around the fireplace.
- Solid wood flooring in front of the fireplace (if allowed) may shrink during the heating season due to heat.



WARNING



Thank You ...

For purchasing a Valor by Miles Industries. Your new radiant gas heater is a technical appliance that must be installed by a qualified dealer. Each Valor fireplace is fully tested during the production process for your safety and comfort.

Your unit has been professionally installed by:

Dealer Name: _____

Phone Number : _____

Should you encounter an operational problem, call your dealer immediately.

Do not try to repair the unit as you may cause an injury or damage the fireplace.

Locating Fireplace & Lighting Information Card

⚠ WARNING

DO NOT ATTEMPT TO TOUCH THE DATA CARD WHILE THE FIREPLACE IS STILL HOT! Let the fireplace cool first before touching it.

The Fireplace and Lighting Information card is located on a card at the right hand side of the fireplace case. It is located under the barrier screen base.



To access the card, remove the barrier screen. Grab the card and pull it out. There is important information on both sides of the card.

Operating Your Fireplace for the First Time

When operating your new fireplace for the first time, some vapors may be released due to the burning of curing compounds used in the manufacture of the appliance. They may cause a slight odor and could cause the flames to be the full height of the firebox, or even slightly higher, for the first few hours of operation.

It is also possible that these vapors could set off any smoke detection alarms in the immediate vicinity.

These vapors are quite normal on new appliances. We recommend opening a window to vent the room. After a few hours use, the vapors will have disappeared and the flames will be at their normal height.

Flame Supervision Device

For your safety, this appliance is fitted with a flame supervision device which will shut-off the gas supply if, for any reason, the pilot flame goes out. This device incorporates a fixed probe, which senses the heat from the pilot flame. If the probe is cool, the device will prevent any gas flow unless manually lighting the pilot. See full lighting instructions on page 13 of this manual.

Performance of propane gas appliances may be affected by the quality of commercial gas supplied in your area.

Fireplace model
Serial number

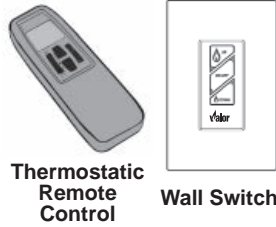
MILES INDUSTRIES LTD NORTH MISSISSAUGA ON L4X 1G4 CANADA		NET RATING: Max 24,000 Btu/h NET RATING: Min 6,500 Btu/h
MODEL/MODELE 739MN FOR NATURAL GAS / POUR LE GAZ NATUREL		EFFICIENCY EFFICACITÉ 3.2"
SERIAL No. NO. DE SÉRIE 739N 10000		HEIGHT HAUTEUR 5.0"
DIMENSIONS / DIMENSIONS 739N 10000		WEIGHT POIDS 750
INSTALLATION / INSTALLATION (SEE INSTRUCTIONS) (VOIR LES INSTRUCTIONS)		CLEARANCE / ÉCART 750
WARRANTY / GARANTIE (SEE INSTRUCTIONS) (VOIR LES INSTRUCTIONS)		VALOR MILES INDUSTRIES LTD

Operating Your Fireplace

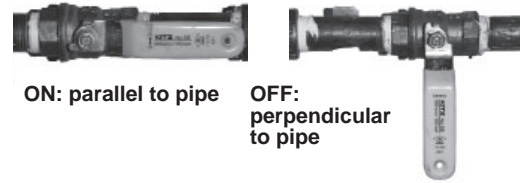
Fireplace Control Devices

There are two ways to control your fireplace.

1. Thermostatic Remote Control can be programmed to function automatically—see pages 8–11;
2. Wall Switch turns fire on, off and controls flame height—see page 12.



Alternately, turn off gas supply. In all cases, call your dealer for service assistance.



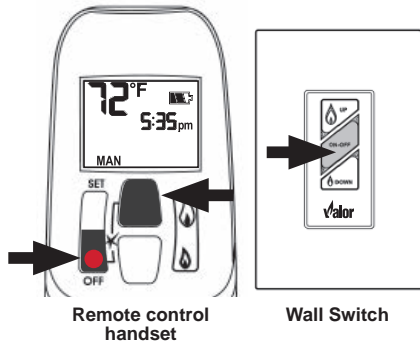
How to Ensure Your Fireplace Cannot Be Turned ON Inadvertently

⚠ WARNING

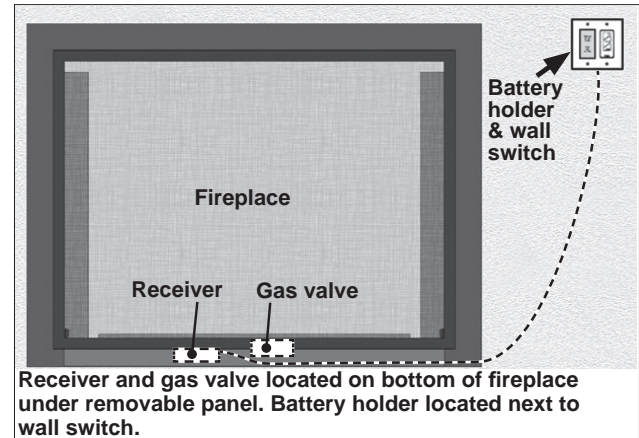
RISKS OF SEVERE BURNS! SURFACES OF THE FIREPLACE ARE VERY HOT DURING OPERATION! Ensure fireplace has cooled off before accessing controls.

How to Turn Your Fireplace ON

Press and hold button(s) until a short beep confirms the start sequence has begun; release buttons. Continuing beeps confirm the ignition is in process. When the pilot is lit, the gas flows—see *Using the Remote Control* section for more information.

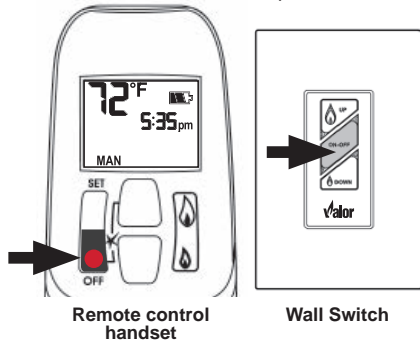


You can use one of the two following methods to ensure that your fireplace will not turn on when you don't want it on.

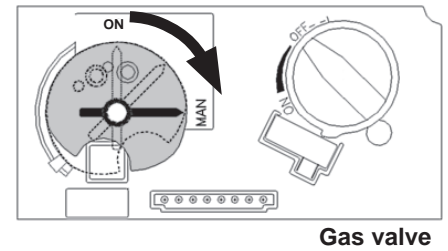


How to Turn Your Fireplace OFF (including pilot)

Press and hold the OFF button for a second (either on the handset or the wall switch).



- On gas valve, turn dial from ON position to MAN position as shown. Turning dial to MAN will ensure that main burner cannot come on. The pilot will remain on if lit.



- Alternately, remove all batteries from the battery holder next to the wall switch as well as the battery from the handset.

If the flames are on, they go down and you hear the valve motor wind down. You hear a clunk and a beep indicating that the valve has received the signal from the remote control.

In the unlikely event that you cannot turn off your fireplace with the remote control handset, use the wall switch; if the wall switch malfunctions and will not turn off the fireplace, wait 8 hours and the fireplace will automatically go to pilot. You can then access the controls inside your fireplace.

Automatic Shut-Off (in certain conditions)

Your fireplace's remote control is equipped with an automatic shut-off mechanism which is activated in certain conditions. See page 11 in the *Using the Remote Control* section for a description of this feature.

Using the Remote Control

Radio Frequency

315 MHz for USA and Canada.

This device complies with Part 15 of the FCC Rules and with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

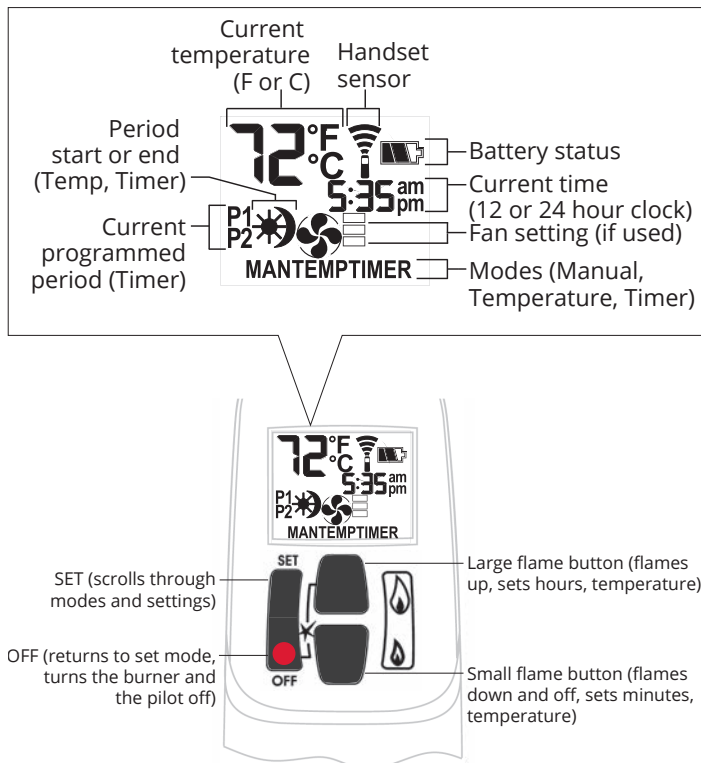
NOTE: Before using the remote control system for the first time, the receiver and the handset must be synchronized. See the section *Synchronize Remote Control*.

IMPORTANT: BEFORE YOU BEGIN, please note that on this system, the settings of time, temperature and automatic ON/OFF **can only be programmed when the function display is flashing.** Be patient when programming as it can take a few seconds to set.

Note: In the TEMP or TIMER modes, the remote handset senses the room temperature and adjusts the flame accordingly.

To communicate, the handset should be within 15 feet (4.5 meters) of the fireplace.

Do not leave the handset on the mantel or hearth.




Turn Fireplace ON

Press ● + 🔥 buttons until you hear a short beep; release buttons.

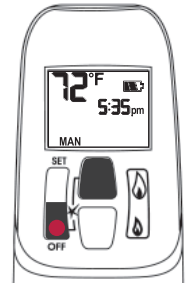
Beeps continue until pilot is lit.

Burner lites to maximum flame height and handset goes automatically to manual (MAN) mode.

NOTES:

On the valve, MAN button must be at ON, in full counter-clockwise position .

ON/OFF switch (if equipped) must be in I (ON) position.



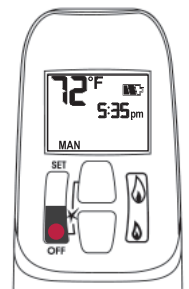
Turn Fireplace OFF

Press ● button.

When pilot is just turned off, wait 2 minutes to light it again.

Standby Mode (Pilot Flame)

Press and hold 🔥 to set fireplace to pilot.



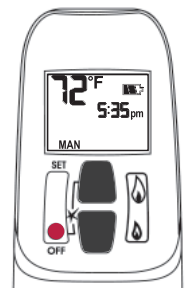
Adjust Flames Height

With pilot lit, press and hold buttons:

🔥 = increase flame height

🔥 = decrease flame height or set to pilot

For fine adjustment, tap buttons.



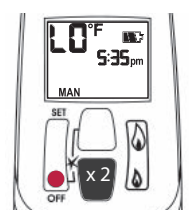
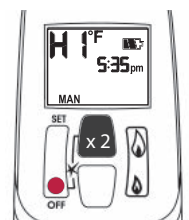
Express Low and High Fire

Double-click buttons:

🔥 = increase flame to maximum height "HI"

🔥 = decrease flame minimum height "LO"

NOTE: Flame goes to high fire first before going to designated low fire.

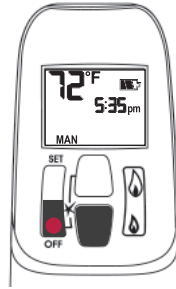


Using the Remote Control

Setting °C/24-hr or °F/12-hr clock

In MAN mode, press ● + 🔥 buttons until temperature / clock display changes from

°F / 12-hour ↔ °C / 24-hour



Setting Time

The time display will flash after either:

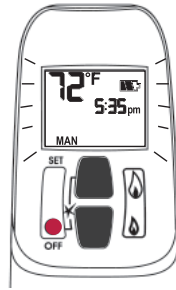
- installing the battery, or
- pressing 🔥 + 🔥

To set the time, press buttons:

🔥 = hour

🔥 = minutes

Press ● or wait to go back to MAN.



Modes of Operation

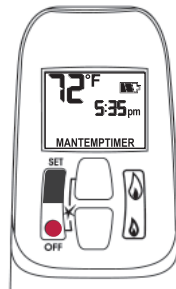
Briefly press SET cycles through modes of operation.


MAN > TEMP > Light > Fan >

TEMP > TIMER > MAN

NOTE: Press 🔥 or 🔥 to reach

MAN mode.



 Set the different parameters when they are flashing.

MAN Manual Mode

Manual flame height adjustment.



TEMP Daytime Temperature Mode

When pilot is lit, room temperature is measured and compared to set temperature. Flame height automatically adjust to reach Daytime Set Temperature.



Light/Dimmer Mode

Not available on this fireplace.



Fan Mode

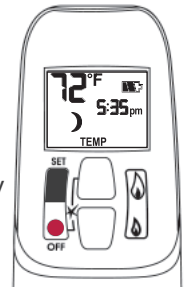
Turns fan ON and OFF and adjusts speed.



Note: To turn fan OFF, press 🔥 until all 4 bars disappear.

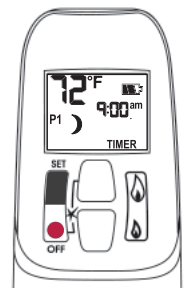
TEMP Night time Setback Temperature Mode

When pilot is lit, room temperature is measured and compared to set temperature. Flame height automatically adjust to reach Night Time Setback Temperature.



TIMER Timer Mode

When pilot is lit, two periods of time (P1 and P2) can be programmed to use Daytime and Night time temperatures at specific times.



Note: Display shows set temperature every 30 seconds.

Using the Remote Control

Circulating Fan Operation (if equipped)

Circulating fan has 4 speed levels from low to high (1 to 4 bars).

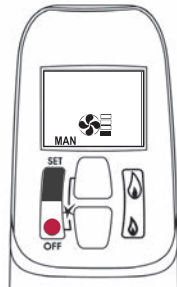
Press SET to scroll to . Fan and level icons flash.

To set speed, press flame buttons:

= increases speed.

= decreases speed and turns OFF fan when all bars disappear.

Note: 8 seconds after the fan is set, handset goes automatically in temperature control mode. Fan starts 4 minutes after gas opens (from OFF or pilot) at maximum speed then goes to displayed level after 10 seconds. Fan stops 10 minutes after gas is OFF or at pilot.



Setting high / low Temperatures

Setting "DAYTIME" high temperature.

Default Settings: TEMP 23 °C/74 °F

Press SET to scroll to TEMP

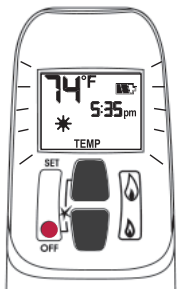
Hold SET button until TEMP flashes.

To set Daytime Temperature:

= increases temperature.

= decreases temperature.

Press or wait to complete setting.



Setting "NIGHT TIME SETBACK" low temperature.

Default Settings: TEMP "--" (OFF)

Press SET to scroll to TEMP

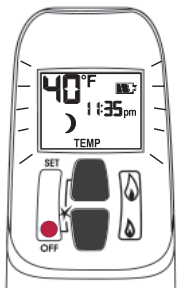
Hold SET button until TEMP flashes.

To set Night Time Temperature:

= increases temperature.

= decreases temperature.

Press or wait to complete setting.



Setting Program Timers

You can program two periods of time between 12 am and 11:50 pm in each 24-hour cycle.

Programs P1 and P2 must be set in the following order during a 24-hour cycle: **P1** , **P1** , **P2** and **P2** .

= Day Time temperature (high) program period

= Night Time temperature (low) program period

Default Settings:

Program 1: **P1** 06:00 am **P1** 08:00 am

Program 2: **P2** 11:50 pm **P2** 11:50 pm

Press SET to scroll to **TIMER**.



If **P1** = **P1** or **P2** = **P2** , programming is cancelled.

To keep fireplace ON all night, set **P2** at 11:50 am and **P1** at 12:00 am.

If you want to program only one period, program **P1** and **P1** with desired times then **P2** and **P2** with the same time as **P1** .

Setting **P1** time - high temperature.

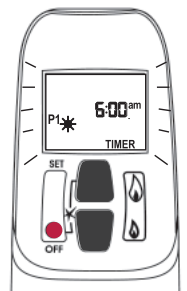
Hold SET button until **P1** is displayed and time flashes.

To set time:

= hour

= minutes

Press or wait to complete setting.



Setting **P1** time - low temperature.

Hold SET button until **P1** is displayed and time flashes.

To set time:

= hour

= minutes

Press or wait to complete setting.

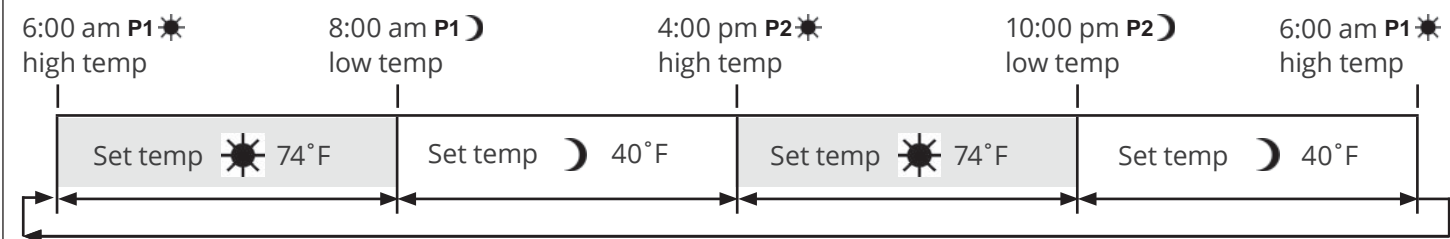
Using the Remote Control

Setting P2 high and low temperature times.

Repeat same steps as Setting P1.

When all settings are complete, press ● to save them.

Timer Programming Example (default temperatures shown)



Automatic Turn Down

8 Hour no Motor Movement

The valve will turn to pilot flame if there is no motor movement for an 8-hour period.

Automatic Shut-Off

Low Batteries Receiver. With low battery power in the battery holder the system shuts off the fire completely. This does not apply when the power supply is interrupted.

On-Demand Pilot (7 Day Shut-Off). This green feature eliminates gas energy consumption during extended appliance inactivity. When the appliance is inactive for an extended period of time the system automatically extinguishes the pilot. This feature helps the consumer realize cost benefits by automatically eliminating energy consumption during non-heating months and limited use.

The programmed length of inactivity to activate the system is specified by the appliance manufacturer and cannot be altered in the field.

Low Battery Indication

Handset: The battery icon  will show when the battery needs to be replaced. Replace with one 9 V **alkaline**

Caution

DO NOT USE a screwdriver or other metallic object to remove batteries from holder. This could cause a short-circuit.

battery.

Battery holder: Frequent 'beeps' for 3 seconds when the valve motor turns indicate the batteries need to be replaced in battery holder. Replace with four 1.5 V **alkaline** batteries.

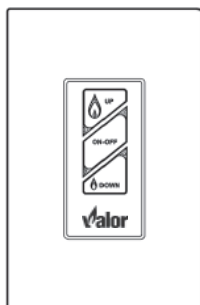
Handset / Receiver Match

The remote control handset and receiver are programmed to function together. In case of a replacement of the handset or the receiver, you will need to reset the receiver to allow them to function together. Contact your dealer for details.

Using the Wall Switch

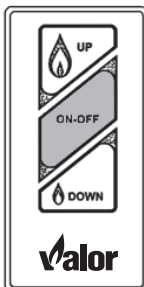
The Wall Switch can be used to control your fireplace. You can turn the pilot on or off and you can increase or decrease the flame height.

Note that the thermostat and programming functions are not available with the wall switch.




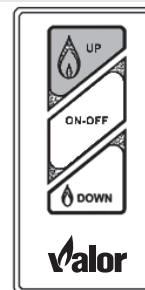
TO TURN APPLIANCE ON and OFF


Press ON-OFF button once to light pilot. Press again to shut of pilot.

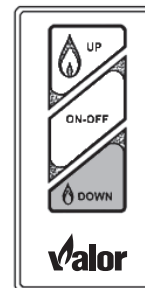


TO ADJUST FLAME HEIGHT

Press and hold large flame  button to gradually increase flame height.



Press and hold small flame  button to gradually decrease flame height.



Kits & Accessories

Required Kits

Information accurate at the time of printing and subject to change without notice.

Fuel Beds (choose one)—1100 only		
1101DWK	Driftwood Kit	
1103DGM	Murano Glass Kit	
1104DGS	Decorative Glass Set	
Ceramic Liners (choose one)—1100 and 1150		
1110VRL	Valor Red Liners	
1115LSL	Ledgestone Liners	
1125FBL	Fluted Black Liners	
1160PBL	Black Liners	
1170RGL	Reflective Glass Liners	
1175HBL	Herringbone Liners	
Trims (choose one)—1100 and 1150		Barrier Screen
1130FFK	Fixed Framing Kit	4005632
1135TSB	Three-Sided Trim Black	
1140FS 2	Four-Sided Trims	4006326
1184EH	Edgemont Hammered Trims	4005514

Optional Accessories

Information accurate at the time of printing and subject to change without notice.

Gas Conversion Kits—1100 and 1150	
1100PGK	Conversion to propane gas—1100 only
1100NGK	Conversion to natural gas—1100 only
1150PGK	Conversion to propane gas—1150 only
1150NGK	Conversion to natural gas—1150 only
Other Accessories—1100 and 1150	
GV60CKO	Outdoor Fireplace Conversion Kit
1105RGL	Reflective Liner for 1125FBL or 1160BLS
1156CLA	Co-Linear Adapter
1195CFK	Circulating Fan Kit
1270RBK	Remote Blower Kit
LDK	LDK HeatShift Duct Kits (gravity flow)
1506DRK	Decorative Rock Kit—1100 only
Hearth Gate	Hearth gates such as Cardinal's VersaGates are available at retail stores carrying safety products for children.

FOR YOUR SAFETY, READ BEFORE LIGHTING

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

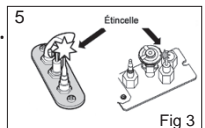
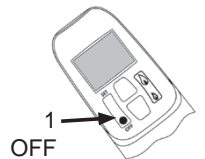
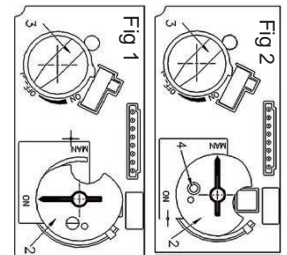
- A. This appliance has a pilot which must be lighted by hand or by remote control. Follow these instructions exactly. To save gas, turn the pilot off when not using the appliance for a prolonged period of time.
- B. **BEFORE LIGHTING**, smell all around the appliance area for gas. Be sure to smell next to the floor because some gas are 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 gas 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 control knobs. Never use tools. If the knobs will not push in or turn by hand, don't try to repair them; call a qualified service technician. Force or attempted repair may result in a fire or explosion.
- D. 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.

LIGHTING INSTRUCTIONS

1. **STOP!** Read the safety information above.
2. **TO CLEAR ANY GAS**, turn main valve off by pressing OFF (red dot) button on remote handset (1).
 - Wait five (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.
3. **AUTOMATIC IGNITION:** MAN-knob (2) in ON position. Ensure Flame Adjustment knob (3) is set to lowest setting (↺) (Fig. 1). Locate the pilot (Fig. 3.) inside of firebox.
 - ON/OFF wall switch (1) in ON position,
 - On the remote control handset, press the OFF button (red dot) and large flame button (🔥) simultaneously; a short acoustic signal confirms the start has begun.
 - Further short acoustic signals indicate the ignition process is in progress.
 - When the pilot is lit, the Flame Adjustment knob (3) will automatically rotate to the highest setting
 - Press the small flame button (🔥) on the remote control handset to reduce the flame height
4. **MANUAL IGNITION:** MAN-knob (2) in MAN position (Fig. 2). With the window off, locate the pilot (fig. 3) inside of the firebox.
 - Set Flame Adjustment knob (3) to the lowest setting (↺).
 - Push down the metallic core (4) with a pen or similar instrument; this will establish the pilot gas flow.
 - Light gas at the pilot (5) with a match.
 - Continue holding down metal core (4) for about 10 seconds; after release, pilot should remain lit.
 - If the pilot will not stay lit after several tries, turn the gas control knob (3) to OFF (↺) and call your local service technician or gas supplier.
 - Reinstall the window and set the MAN-knob (2) to ON; turn Flame Adjustment knob (3) up (↻) or down (↺) manually or use the flame buttons (🔥) (🔥) buttons on the remote control handset to adjust the flame height.

**TO TURN OFF GAS TO APPLIANCE**

1. **AUTOMATIC SHUT-OFF** (using the remote control handset):
 - Press and hold the 🔥 (small flame) on the remote control handset to shut-off the main burner gas flow;
 - Press "OFF" button (red dot) on remote handset to shut-off the appliance, including pilot flame.

Servicing Your Fireplace

We recommend having your fireplace serviced every year. Contact your supplier quoting the model number. It will be helpful if the appliance's serial number can also be quoted. These numbers are on the information card. The replacement parts are shown at the end of this manual. Please always quote the part number and description when requesting spare parts.

Annual Inspection

In order to maintain the safe operation of your fireplace, contact your dealer to have a qualified technician go over the list below and make the necessary verifications at least once every year.

Safe Operation List

To be performed by a qualified technician only

1. Inspect and operate the pressure relief mechanism to verify relief mechanisms are free from obstruction to operate. See *Cleaning Your Fireplace: To refit the window* section of this manual.
2. Clean glass window with a suitable fireplace glass cleaner. Abrasive cleaners must not be used. Be careful not to scratch the glass when cleaning. See *Cleaning Your Fireplace* section of this manual.
3. Inspect the operation of the flame safety system Pilot or Flame rectification device.
4. Inspect and ensure the lighting of the main burner occurs within 4 seconds of the main gas valve opening. Visual inspection should match that outlined in the appliance instruction manual. For propane gas installations, we recommend changing the pilot hood annually. Inspect primary air openings for blockage. See *Checking Pilot and Burner Flame* section of this manual.
5. Inspect condition of vent and vent terminal for sooting or obstruction and correct if present.
6. Vacuum and clean any debris in the firebox that is not supposed to be there.
7. Test and measure the flame failure response time of the flame safety system. It must de-energize the safety shutoff in no more than 30 seconds.
8. Check all accessible gas-carrying tubes, connections, pipes and other components for leaks. See *Set up Gas Supply* section of this manual.

Cleaning Your Fireplace

⚠ WARNING

DO NOT TOUCH THE GLASS WHILE IT IS HOT!
Let the fireplace cool first before cleaning it.

Important - Glass cleaning - Mineral deposits

One of the by-products of the combustion process in a gas appliance is a mineral which can show up as a white film on the ceramic glass of the viewing door.

The composition of the deposit varies with location and time. It is believed to be associated with the varying sulfur content of the gas. You may have the problem intermittently.

We have consulted with ceramic glass manufacturers and they cannot offer a definitive solution to this problem. Dealers have tried various cleaning products with varying results. The following are recommendations only and are not meant to guarantee results.

NOTE: This is a problem beyond Miles Industries' control and is not covered under warranty.

- Clean the glass regularly as soon as you notice the buildup (white film). If the film is left for a longer period of time, it will etch into the glass. It is then much harder, if not impossible, to remove.
- **NEVER use an abrasive cleaner or ammonia-based cleaner on the ceramic glass.** Any abrasion of the surface has the immediate effect of compromising the strength of the glass. An emulsion type cleaner is recommended.
- Use a soft damp cloth to apply the cleaner. Dry the glass with a soft, dry, preferably cotton cloth. Most paper towels and synthetic materials are abrasive to ceramic glass and should be avoided.
- Our dealers have had good results from the products listed below. We cannot, however, guarantee the results of these products.
 - Brasso, Polish Plus by Kelkem, Cook Top Clean Creme by Elco, White Off by Rutland, Turtle Wax

Do not clean the glass while it is hot!

Always securely replace the window and the barrier screen before lighting.

If broken, the glass pane may only be replaced as a complete window unit as supplied by the manufacturer.

If the barrier becomes damaged, the barrier shall be replaced with the manufacturer's barrier for this appliance.

Clean the window following the guidelines in this section.

Clean the steel trims with mild soap and warm water. *Any alcohol/solvent base cleaner will weaken the coating and damage it.*

Clean the cast iron trims dusting with a soft brush.

Clean the barrier screens dusting with a soft brush.

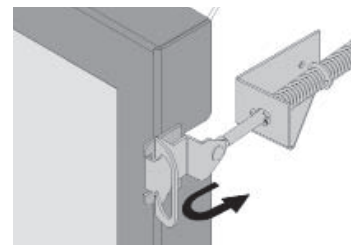
Clean the firebox ceramic logs/rocks and walls dusting them with a soft brush. Dust can also be removed from the burner using a soft brush after removing the ceramic logs. **When cleaning, make sure that no particles are brushed into the slots of the burner.**

⚠ WARNING

CHOKING HAZARD! Ensure that the fireplace area is clear of firebed particles as these could be ingested by small children. Vacuum thoroughly around the fireplace area after cleaning.

To remove the window for cleaning:

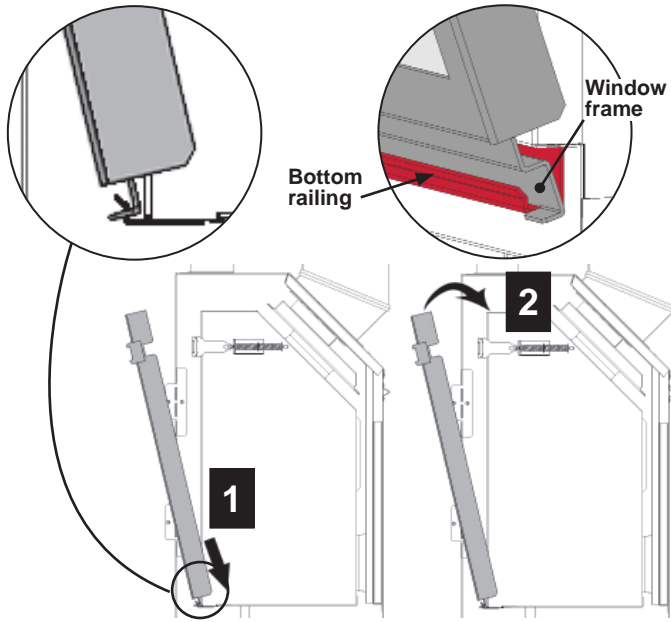
1. Remove the barrier screen by pulling on it if magnetized or unhooking it if hooked.
2. Remove the side panels by pulling them sideways towards the center, sliding them out of their slots behind the trim face.
3. Find the levers on each side of the window towards the top. Using your finger, pull the levers towards you and unhook them from the window frame brackets.
4. Gently pull the top of the window outward.
5. Lift the window out of its bottom railing and set it aside in a safe place to avoid damage.



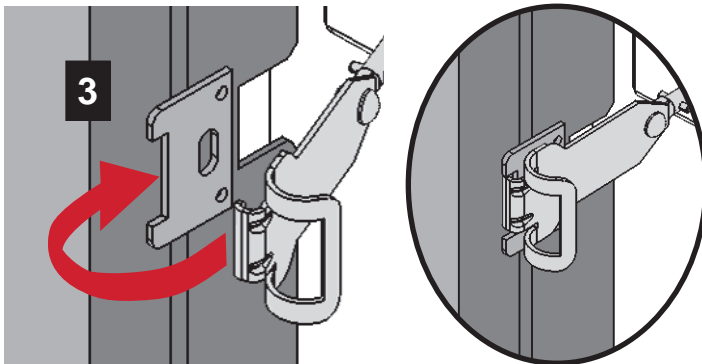
Spring Loaded Window Levers

To refit the window:

1. Place the window in its bottom railing. **Ensure to remove any vermiculite or glass particles in the railing before installing the window.**
2. Push the top of the window frame against the firebox.



3. While you hold it, pull and hook the side levers back to the window brackets on each side.



4. Apply firm hand pressure around the window frame to ensure the window is sealed tight against the firebox.

⚠ DANGER

The window unit must be correctly installed, fastened and sealed after servicing or serious bodily injury and/or damage to the appliance may result.

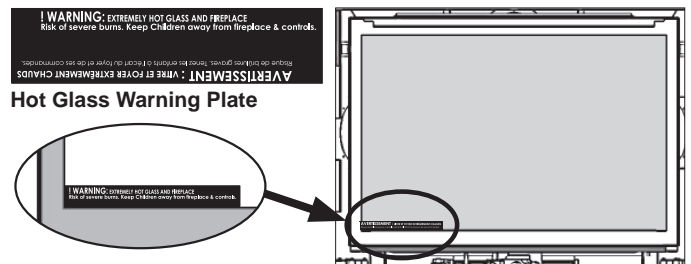
To ensure a safe operation:

- Double-check that the bottom of the window frame is correctly installed in the bottom support railing;
- Verify that the levers are hooked properly to the window tabs then;
- Pull out the top of the window and release it to insure the springs return it;
- Ensure the window is sealed before operation.

⚠ WARNING

Failure to install the window correctly can leak carbon monoxide, affect the performance of the fireplace, damage components, cause overheating resulting in dangerous conditions. Damage caused by incorrect window installation is not covered by the Valor warranty.

5. If the Hot Glass Warning plate has been removed from the front lower corner of the window, reinstall it by sliding it between the glass and the frame as indicated.



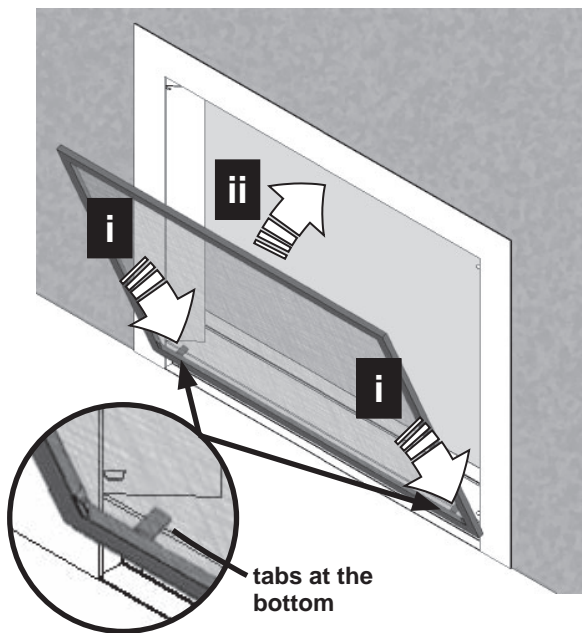
6. Reinstall the side doors sliding them sideways to insert their tabs behind the front face of the trim.

7. Reinstall the barrier screen on the trim.

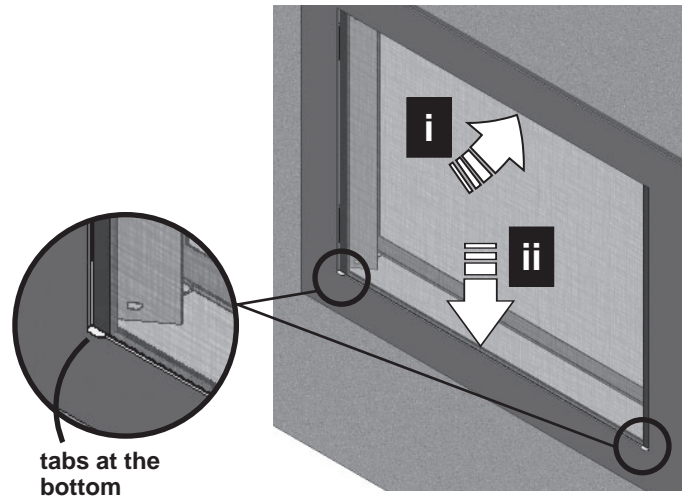
WARNING

FOR SAFETY PURPOSE, ensure the barrier screen is re-installed on the fireplace front after maintenance.

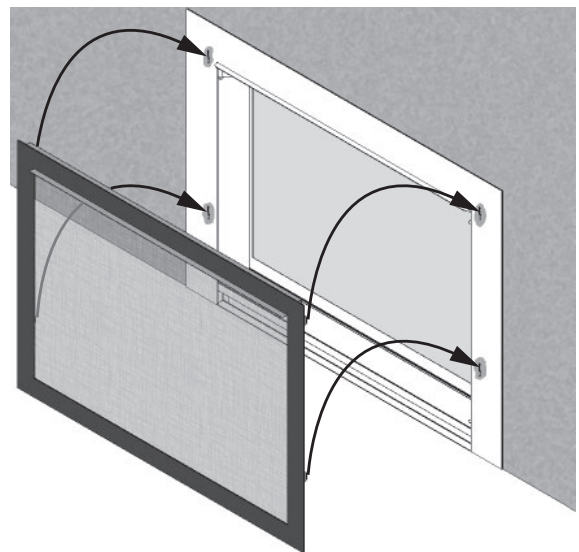
- a) **1130 & 1135 trims:** The barrier screen has tabs at the bottom which rest on the removable panel/plinth and the screen is held in place by magnets.
- i) Rest the bottom tabs on the edge of the removable panel/plinth as indicated.
 - ii) Push the screen against the steel front panel.



- b) **1140 trims:** The barrier screen has tabs at the bottom which rest on the edge of the trim's front panel.
- i) Insert the screen in the channel at the top behind the trim's front panel as indicated.
 - ii) Lower the bottom of the screen in the channel between the trim's front panel and the removable cover.



- c) **1184 Edgemont trims:** Hook the barrier screen in the four slots on the backing plate.



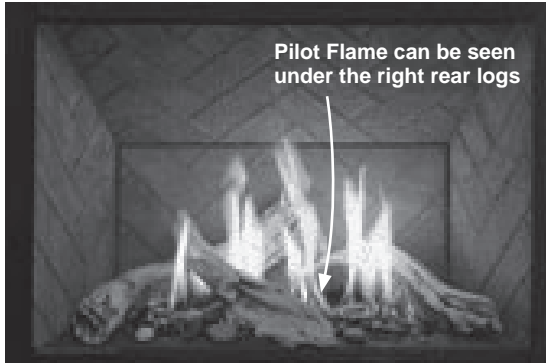
Servicing & Maintenance

Checking Pilot & Burner Flames

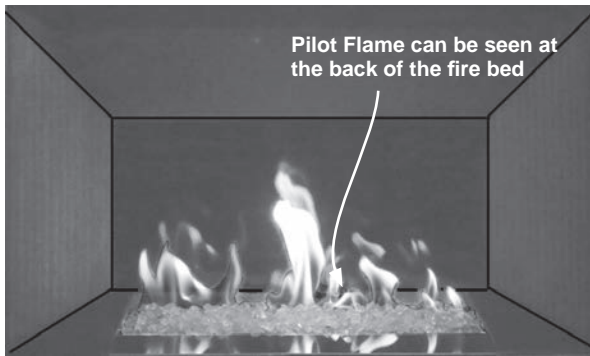
A periodic check of the pilot and burner flames should be made. Check after the fire has been on for at least 30 minutes. The pilot flame must cover the tip of the thermocouple probe. The main burner flame pattern will vary from appliance to appliance depending on the type of installation and climatic conditions.

The appliance area must always be kept clear and free from combustible materials, gasoline and other flammable vapors and liquids. Inspect the vent terminal outdoors regularly to make sure that snow, trees, bushes, leaves, or other objects do not obstruct it. Examine the vent system and terminal regularly. We recommend annually.

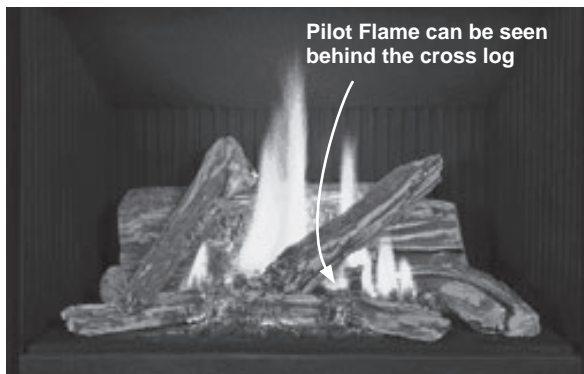
Correct flame appearance



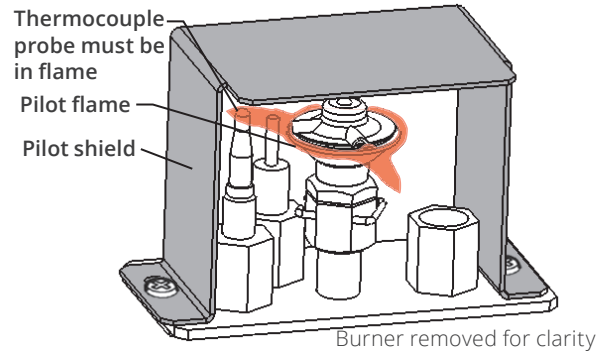
1101DWK—Driftwood



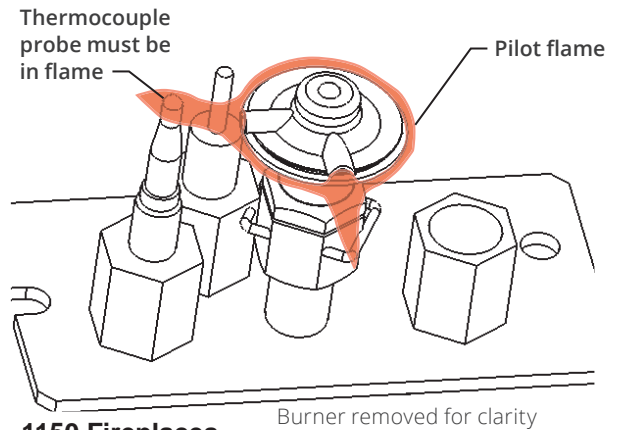
**1103DGM—Murano Glass
1104DGS—Decorative Glass**



1150LSK—Traditional Logs



1100 Fireplaces



1150 Fireplaces

Replacing Batteries

⚠ WARNING

DO NOT ATTEMPT TO CHANGE THE BATTERIES WHILE THE FIREPLACE IS STILL HOT! Let the fireplace cool first before touching it.

CAUTION

DO NOT USE a screwdriver or other metallic object to remove the batteries from the receiver or the handset! This could cause a short circuit.

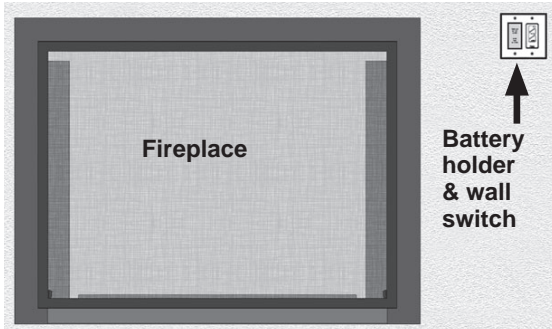
Low batteries signal: see page 11.

BEFORE changing the batteries, turn the fireplace off (including pilot).

The appliance uses four 1.5 V AA **alkaline** batteries located next to the wall switch and one 9 V **alkaline** battery in its handset. Batteries should last one to two seasons, depending on usage. Removing the batteries in the off-season will extend the battery life.

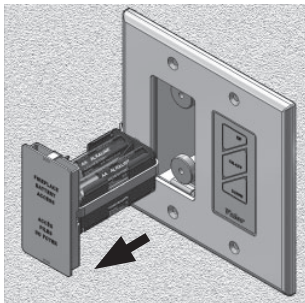
To replace the batteries:

The battery compartment is located next to the wall switch in the vicinity of the fireplace. Its front plate is attached with magnets to the wall switch box.

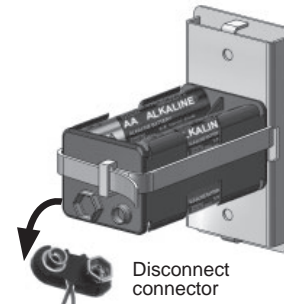


The battery holder is located beside the wall switch.

1. Pull on the plate next to the wall switch to access the batteries.



2. Disconnect the snap connector from the battery holder. **Do not pull the connector by the wire!**



3. Replace the batteries with 4 AA **alkaline** batteries orienting them as indicated inside the holder.
4. Reconnect the snap connector to the battery holder.
5. Put the battery holder back in its place beside the wall switch and snap it in place.

Using Handset Wall Holder

Your fireplace equipment includes a wall holder to store the handset. If it hasn't been installed, refer to the instructions further on in this manual for the installation.



Approval & Codes

This appliance is certified to ANSI Z21.88 / CSA 2.33 American National Standard / CSA Standard for *Vented Gas Fireplace Heaters* for use in Canada and USA, and to CGA 2.17-91 *High Altitude Standard in Canada*.

This appliance is for direct vent installations.

This appliance complies with CSA P.4.1-15 *Testing method for measuring annual fireplace efficiencies*.

The installation must conform to local codes or, in the absence of local codes, with the *National Fuel Gas Code*, ANSI Z223.1/NFPA 54 or the *Natural Gas and Propane Installation Code* CAN/CGA-B149.1. Only qualified licensed or trained personnel should install this appliance.

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

Ratings

Model	1100JN	1100JP	1150JLN	1150JLP
Gas	Natural	Propane	Natural	Propane
Altitude (Ft.)*	0-4,500 feet**			
Input Maximum (Btu/h)	28,000	28,000	30,000	30,000
Input Minimum (Btu/h)	13,000	13,000	16,000	16,000
Manifold Pressure (in w.c.)	3.5"	9"	4"	9"
Minimum Supply Pressure (in w.c.)	5"	11"	5"	11"
Maximum Supply Pressure (in w.c.)	10"	14"	10"	14"
Main Burner Injector Marking	850	300	850	360
Pilot Injector Marking	51	30	51	30
Min. Rate By-Pass Screw	185	125	195	135

***High Altitude Installations**

Input ratings are shown in BTU per hour and are certified without deration for elevations up to 4,500 feet (1,370 m) above sea level.

For elevations above 4,500 feet (1,370 m) in USA, installations must be in accordance with the current ANSI Z223.1 and/or local codes having jurisdiction. Heating value of gas in some areas is reduced to compensate for elevation—consult your local gas utility to confirm.

For installations at elevations above 4,500 feet (1,370 m) in Canada, please consult provincial and/or local authorities having jurisdiction.

Specifications

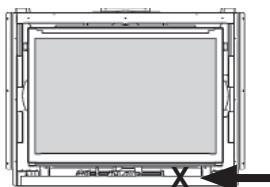
Supply Gas

Heater engines 1100JN and 1150JLN are used with natural gas.

Heater engines 1100JP and 1150JLP are used with propane gas.

The supply pressure must be between the limits shown in the *Ratings* section.

The supply connection is 3/8" NPT male and located on the right hand side of the firebox. A shut-off valve (not supplied) is required on the supply line to isolate the unit during service. See *Supply Gas Installation* section for details.



Gas Conversion Kits

The 1100J and 1150J are supplied as natural gas or propane gas and are field convertible between fuels. See instructions packaged with the conversion kits for further information.

Electrical

The 1100J and 1150J are designed to run on battery power and do not require an electrical power source to operate as a heater. However, they require electrical power to operate optional 1195CFK Circulating Fan Kit or 1270RBK Remote Blower Kit.

HeatShift System

The 1100J and 1150J are designed to allow the installation of the optional HeatShift System, a convection system that redistributes the warm air flow away from the fireplace opening to a more desirable location using natural convection, without use of a fan.

The warm air flow may be relocated to a position higher up the wall, out the sidewalls, or even to another room. The result is much cooler wall temperatures above the fireplace opening for locating televisions, artwork, etc.

Please note that the framing and mantel clearances are affected by the installation of the HeatShift.

Refer to the HeatShift information starting on page 73 in this manual for more information.

Outdoor Conversion Kit

The 1100J-1150J models are supplied standard for indoor applications and may be adapted for installation in specific "outdoor" applications protected from weather as defined in the GV60CKO outdoor conversion kit manual.

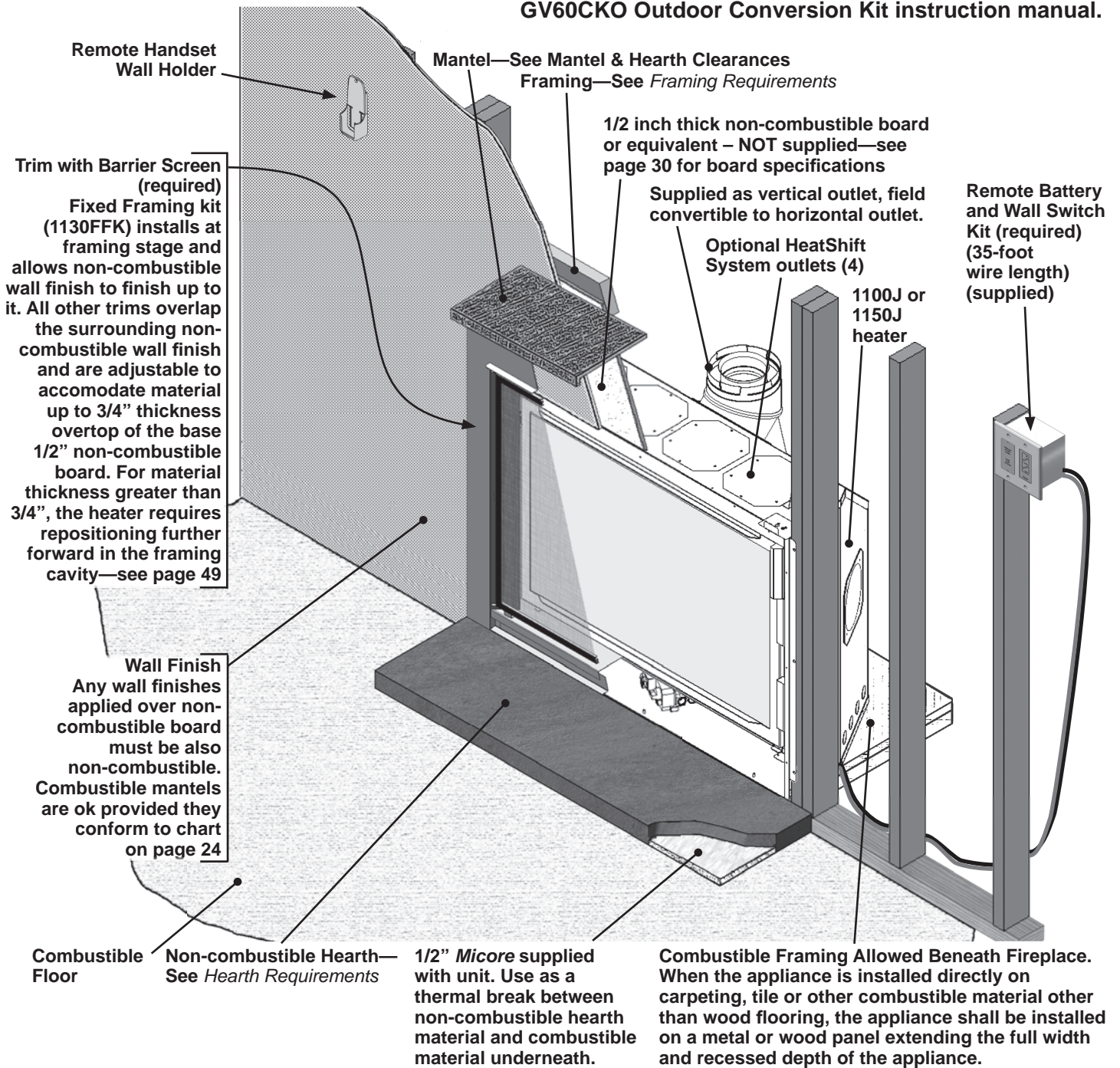
⚠ WARNING

Optional electrical accessories ARE NOT ALLOWED when adapting appliance for outdoor use.

This appliance is designed and approved as a supplemental heater and provides the potential for most energy conservation when used while attended. The use of an alternate primary heat source is advisable.

Overview

Note: This appliance may be installed in outdoor, weather protected environments as defined in the GV60CKO Outdoor Conversion Kit instruction manual.



⚠ WARNING

Some materials or items, although safe, may discolor, shrink, warp, crack, peel, and so on because of the heat produced by the fireplace. Avoid placing candles, paintings, photos, and other items sensitive to heat around the fireplace.

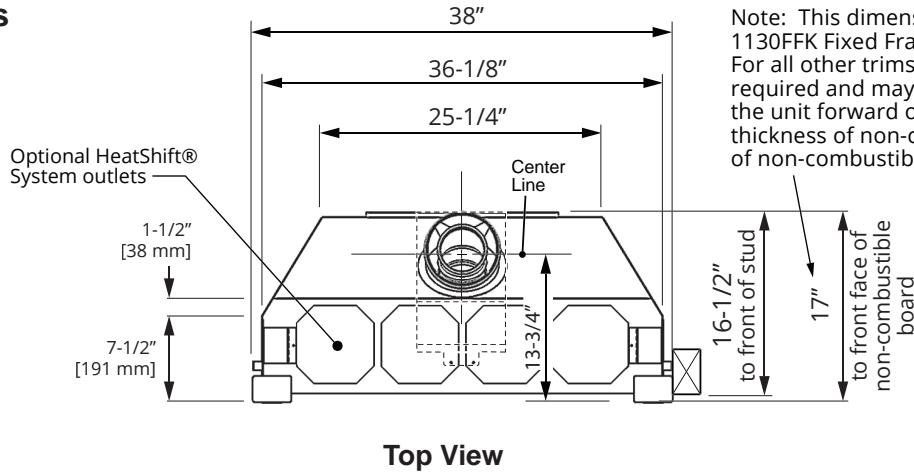
⚠ WARNING

HOT WALL SURFACES! The wall directly above the fireplace is constructed of non-combustible materials and, although safe, it may reach temperatures in excess of 200° F depending on choice of trims. Do not touch. Finish the wall using materials suitable for these temperatures.

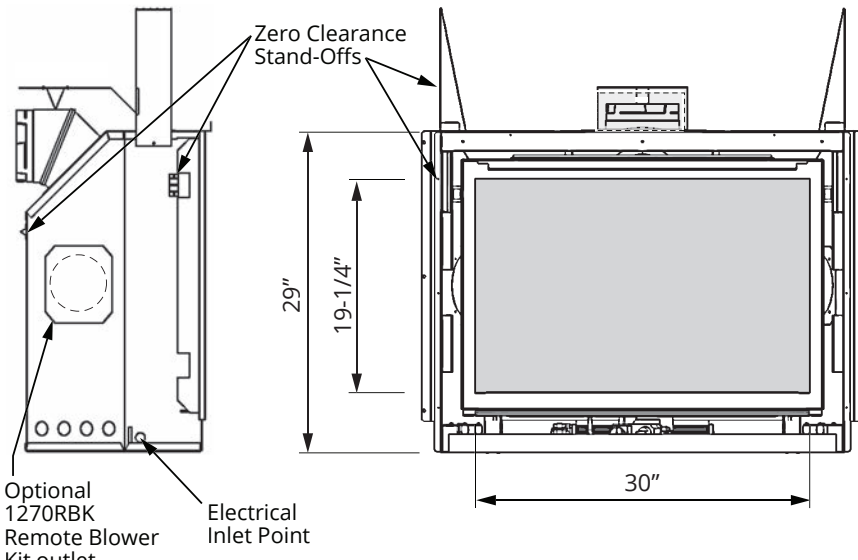
Dimensions & Location

Dimensions

Note: This dimension is for the 1130FFK Fixed Framing Kit. For all other trims this is the maximum required and may be reduced if positioning the unit forward of the framing to accommodate thickness of non-combustible material over top of non-combustible board.

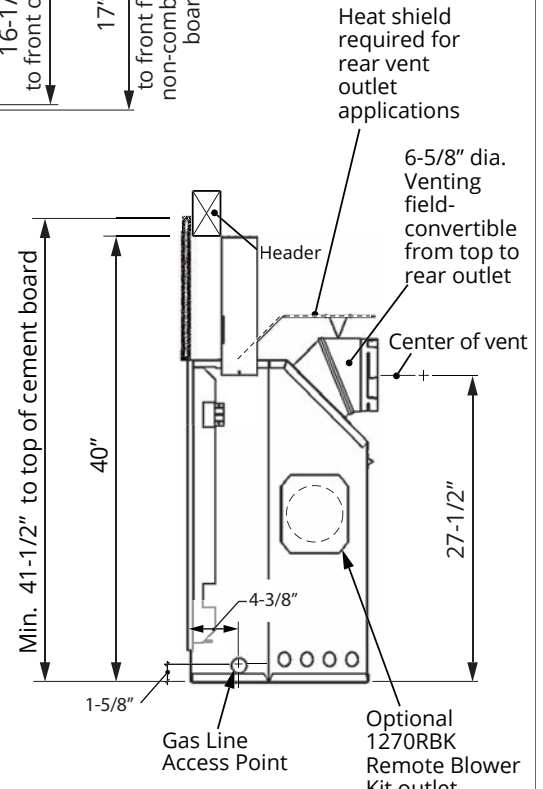


Top View



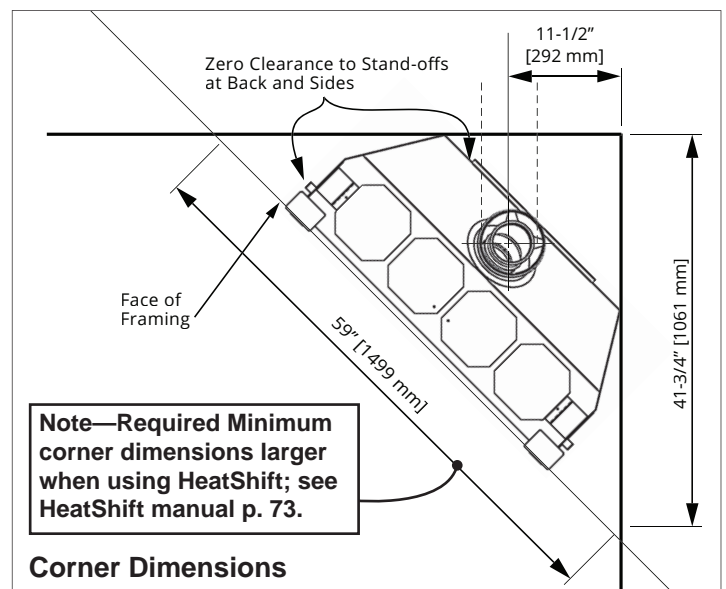
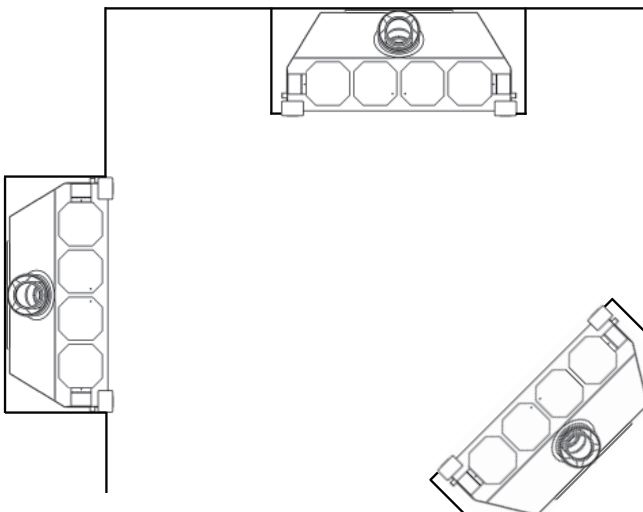
Left Side View

Front View



Right Side View

Location

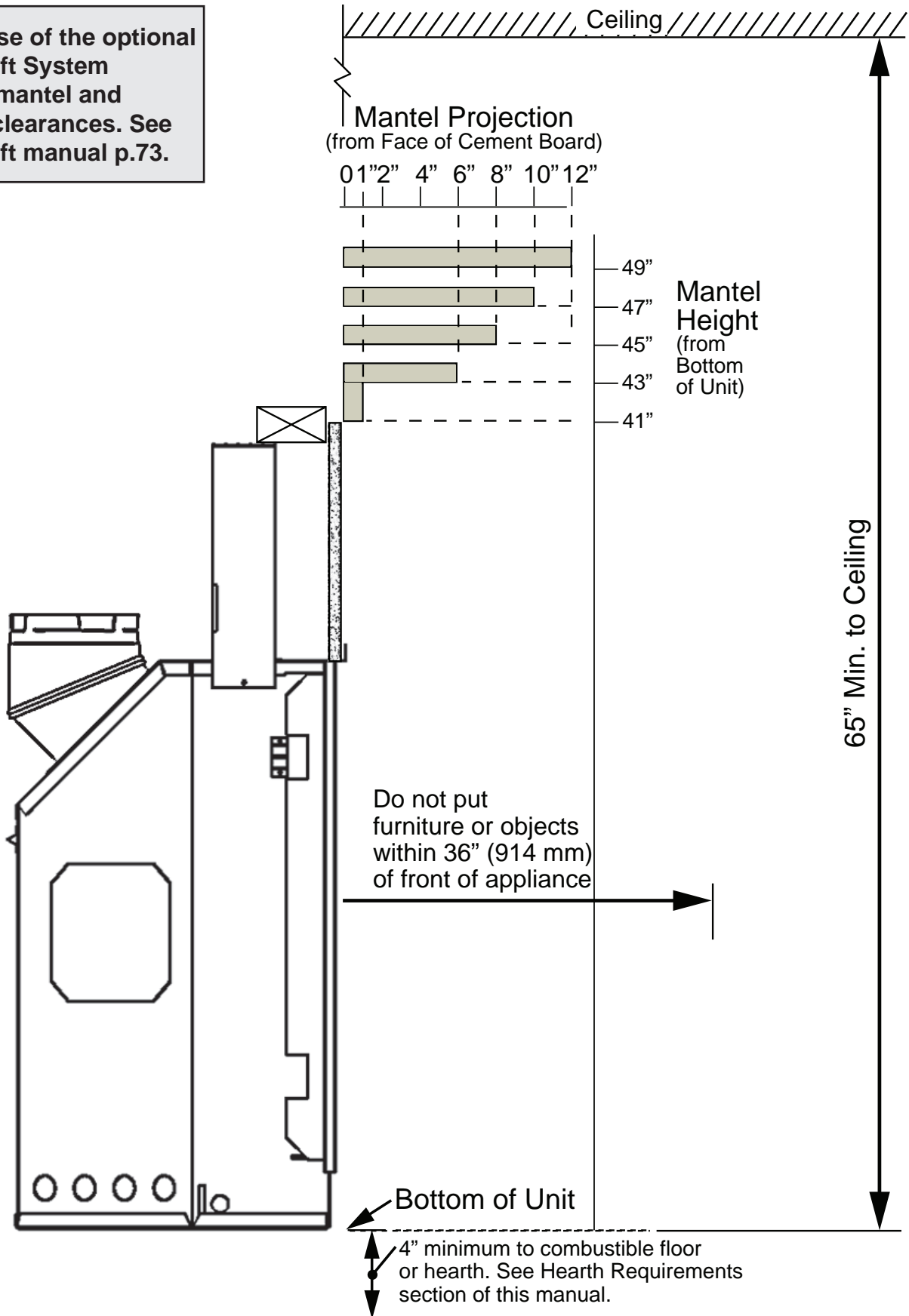


Corner Dimensions

Mantel & Hearth Clearances

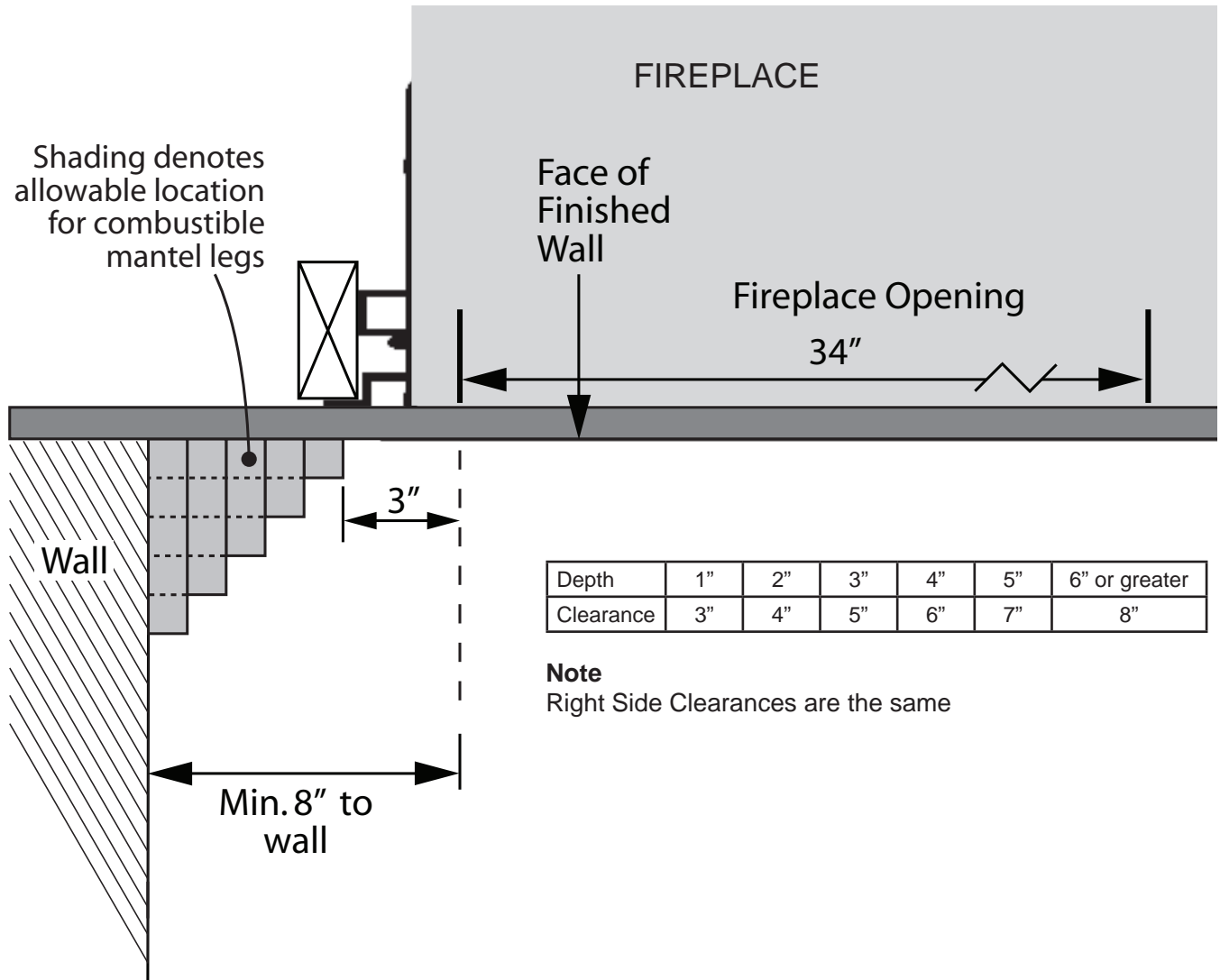
Combustible Mantel—Left Side View

Note: Use of the optional HeatShift System affects mantel and hearth clearances. See HeatShift manual p.73.



Mantel & Hearth Clearances

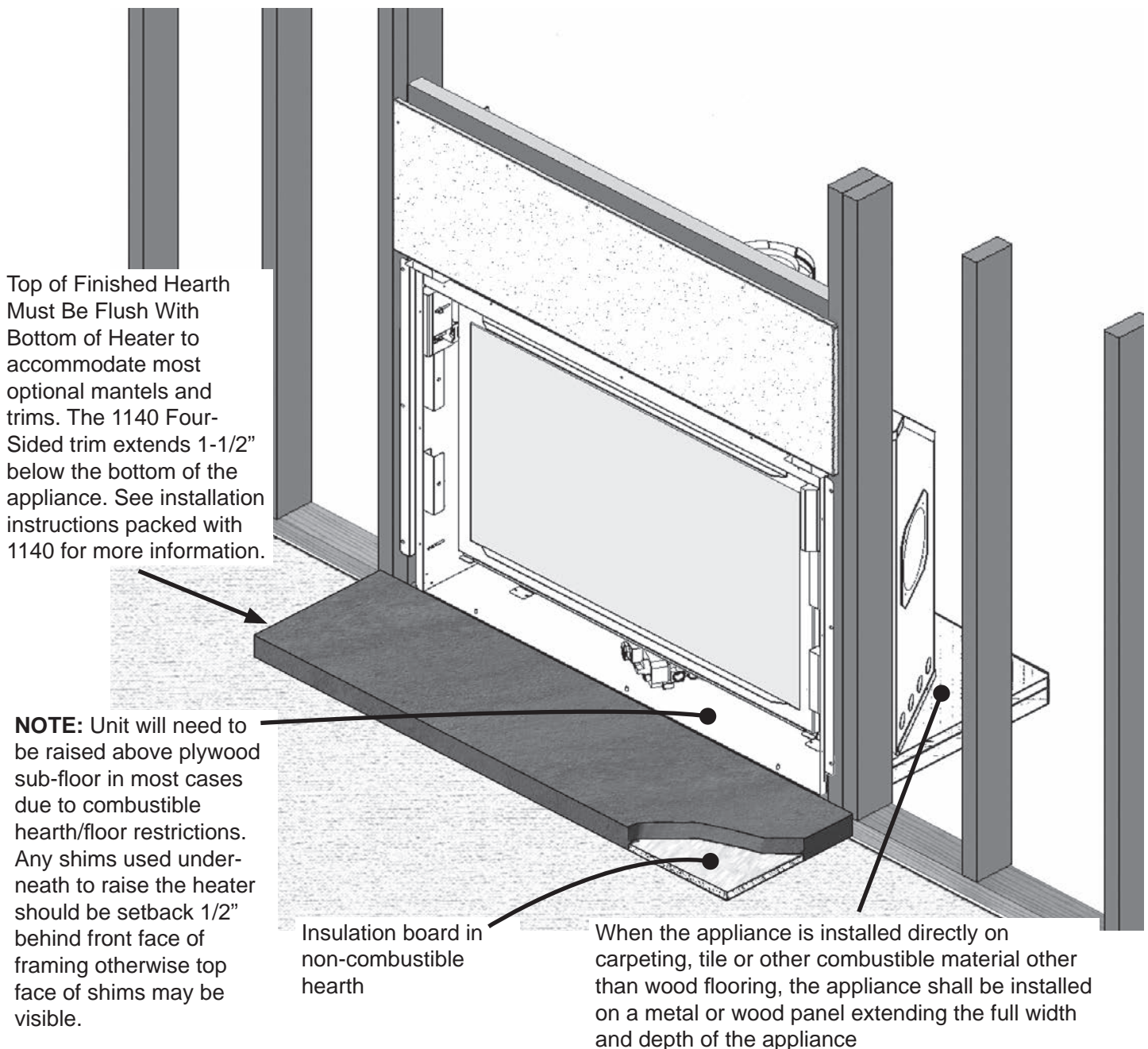
Combustible Sidewall / Mantel Leg—Top View



Hearth Requirements

⚠ WARNING

SAFETY WARNING! The H5 is a very effective radiant heater. The hearth/floor in front of the heater can get very hot (in excess of 200°F). Locating the unit raised above the hearth/floor and using the screen front will greatly reduce hearth temperatures. Any hearth within 4 inches of the base of the heater must be constructed of non-combustible materials and utilise the insulation board supplied as a thermal break between the non-combustible hearth finish and the combustible construction below (see diagrams in the following pages). Note that some materials, although safe can degrade due to heat—take this into consideration when choosing materials.



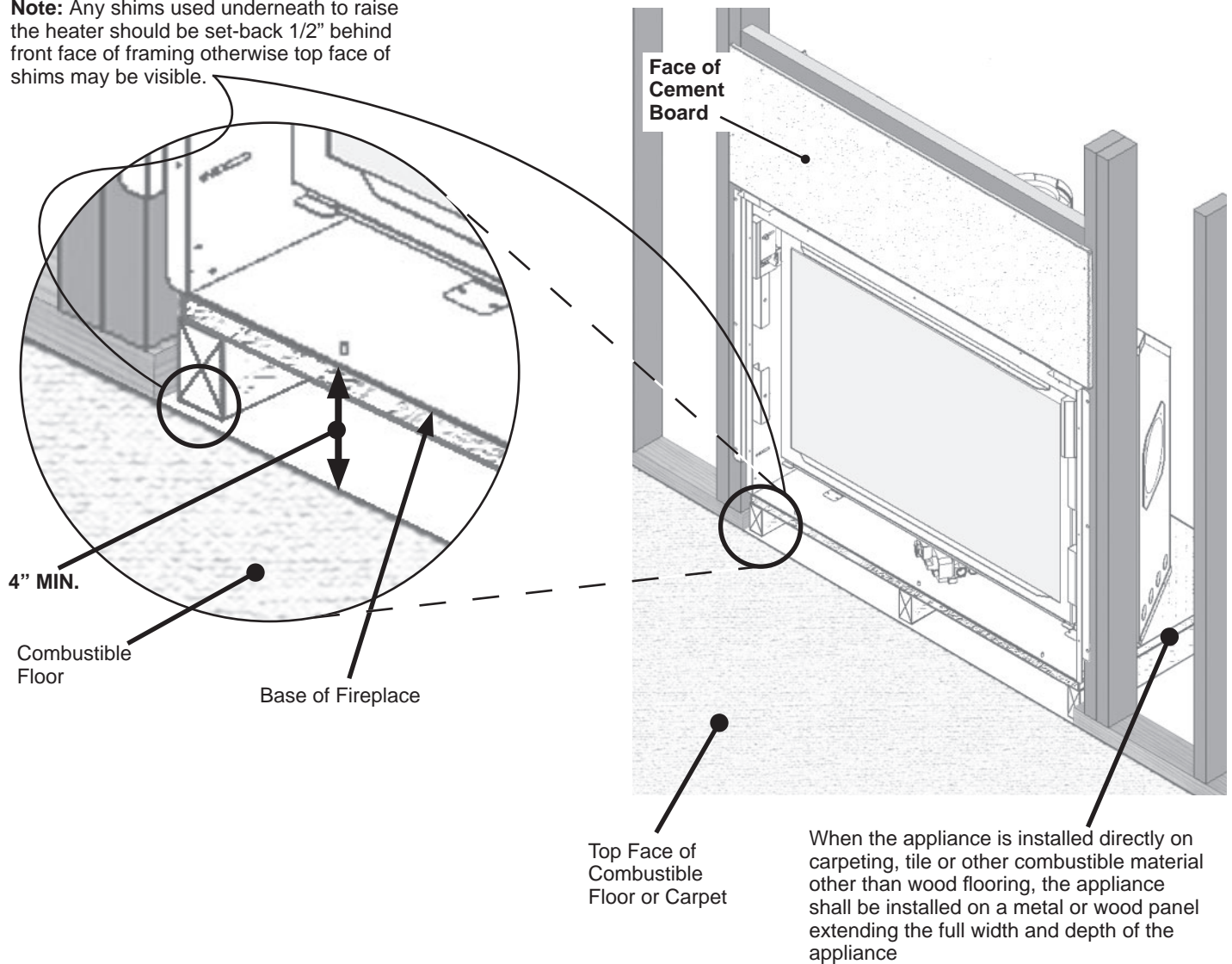
Hearth Requirements

Rules

1. A hearth is not required. However, any hearth/floor in front of fireplace within 4 inches vertically of the bottom of the unit must be non-combustible and project a minimum distance as shown on page 29. Hearth/floors within 4 inches must have a non-combustible finish **applied over the 1/2 inch insulation board** provided with the engine. This insulation board acts as a thermal break.
2. Minimum hearth projection is determined by a combination of the height of the hearth above the surface of combustible floor or carpet and the distance between the hearth and the bottom of the fireplace.
3. Combustible baseboards (1 inch thick or less) located on the wall are acceptable provided they are located below the base of the raised fireplace.

Unit Raised Above Combustible Hearth or Floor

Note: Any shims used underneath to raise the heater should be set-back 1/2" behind front face of framing otherwise top face of shims may be visible.

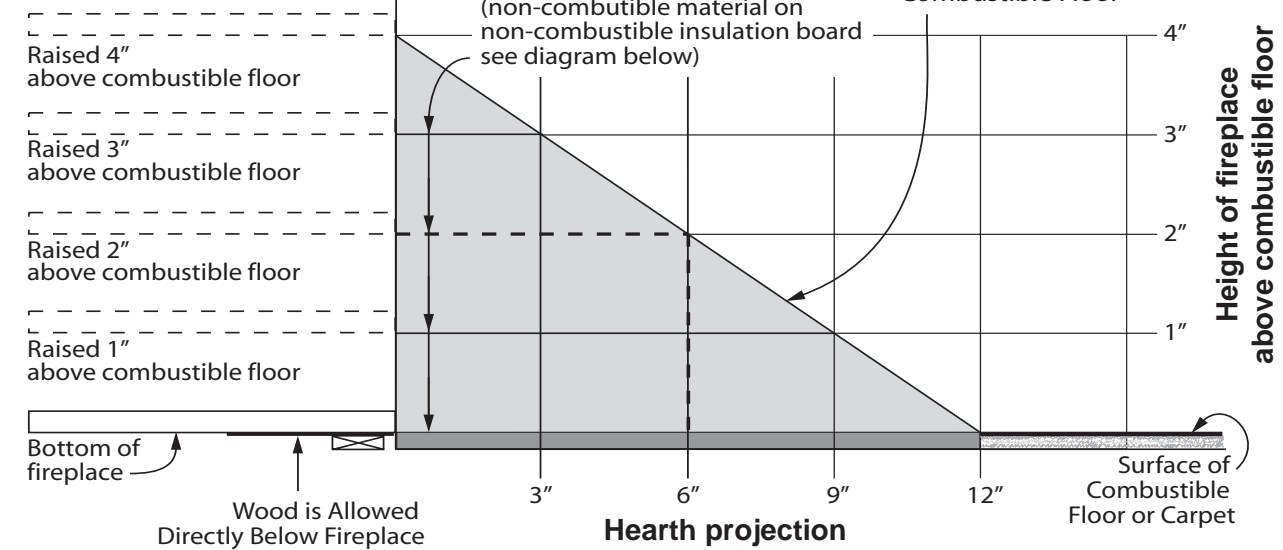


Hearth Requirements

Unit With Site-Built Non-Combustible Hearth Extending

Example: If the fireplace is raised 2" above combustible floor, the non-combustible-flush-with-bottom-of-fireplace hearth must project a min. of 6" in front of the fireplace.

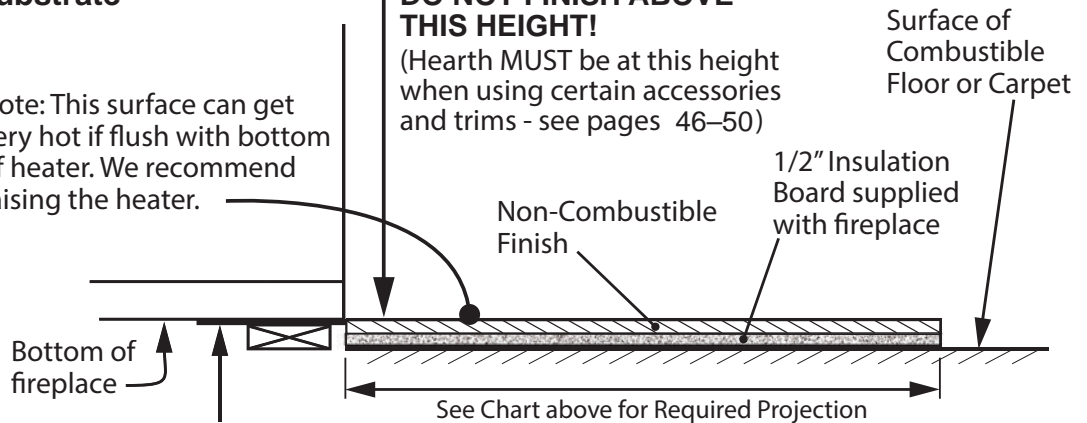
When using Optional Trims and Mantels, Surface of Finished Hearth Must Be Flush With Bottom of Fireplace (otherwise, optional trims will not fit)



Non-combustible substrate construction detail

Note: This surface can get very hot if flush with bottom of heater. We recommend raising the heater.

DO NOT FINISH ABOVE THIS HEIGHT!
(Hearth MUST be at this height when using certain accessories and trims - see pages 46-50)



Wood is Allowed directly below fireplace
Note: Any shims used underneath to raise the heater should be set back 1/2" behind front face of framing otherwise topface of shims may be visible

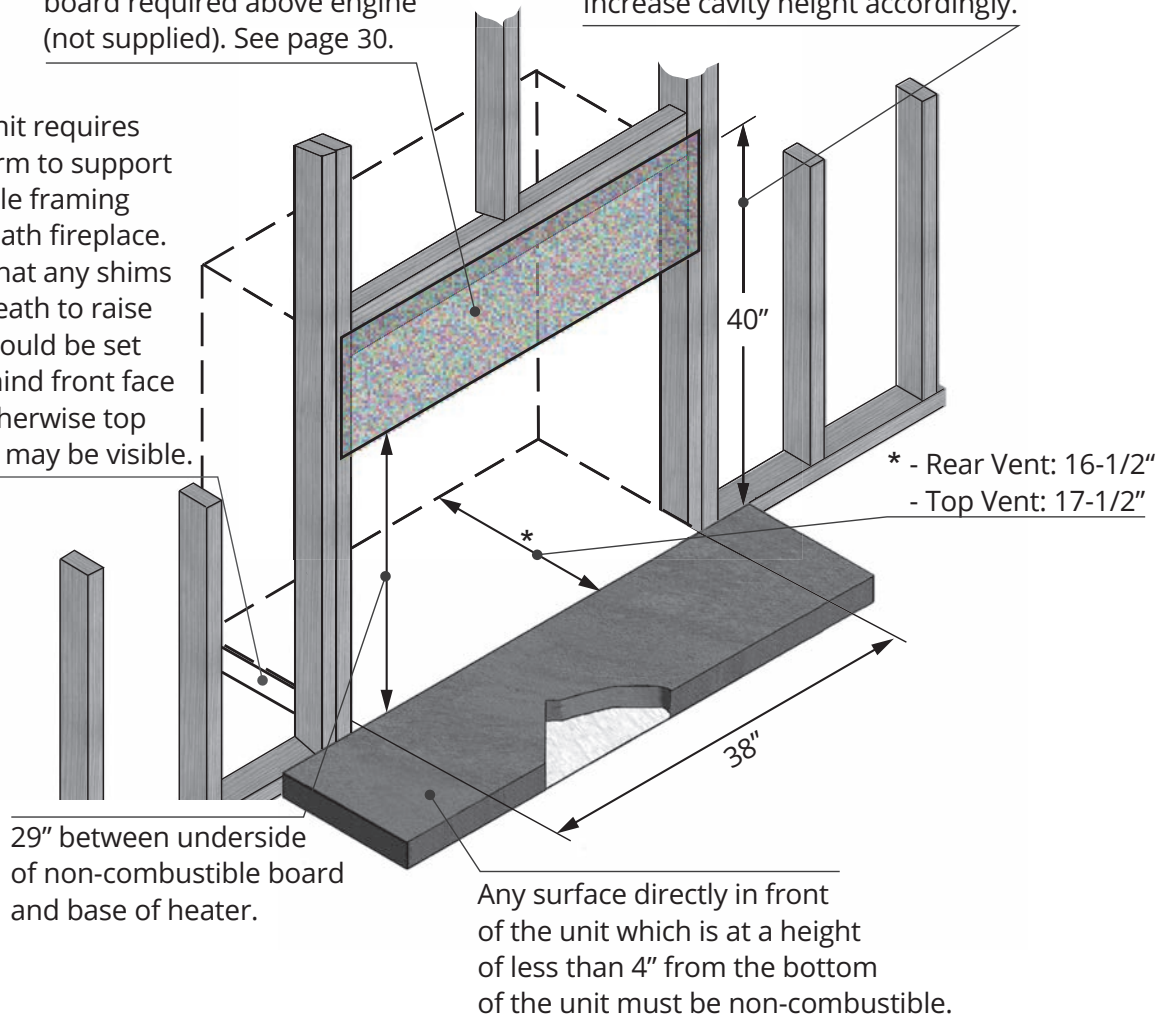
Framing Requirements

Note: If using optional HeatShift System, framing is affected. See HeatShift manual p.73.

Between underside of header and base of heater. Base of heater must be at finished hearth height. However, please note that the 1140 4-sided trim extends 1-1/2" below the base of heater. Increase cavity height accordingly.

1/2" thick non-combustible board required above engine (not supplied). See page 30.

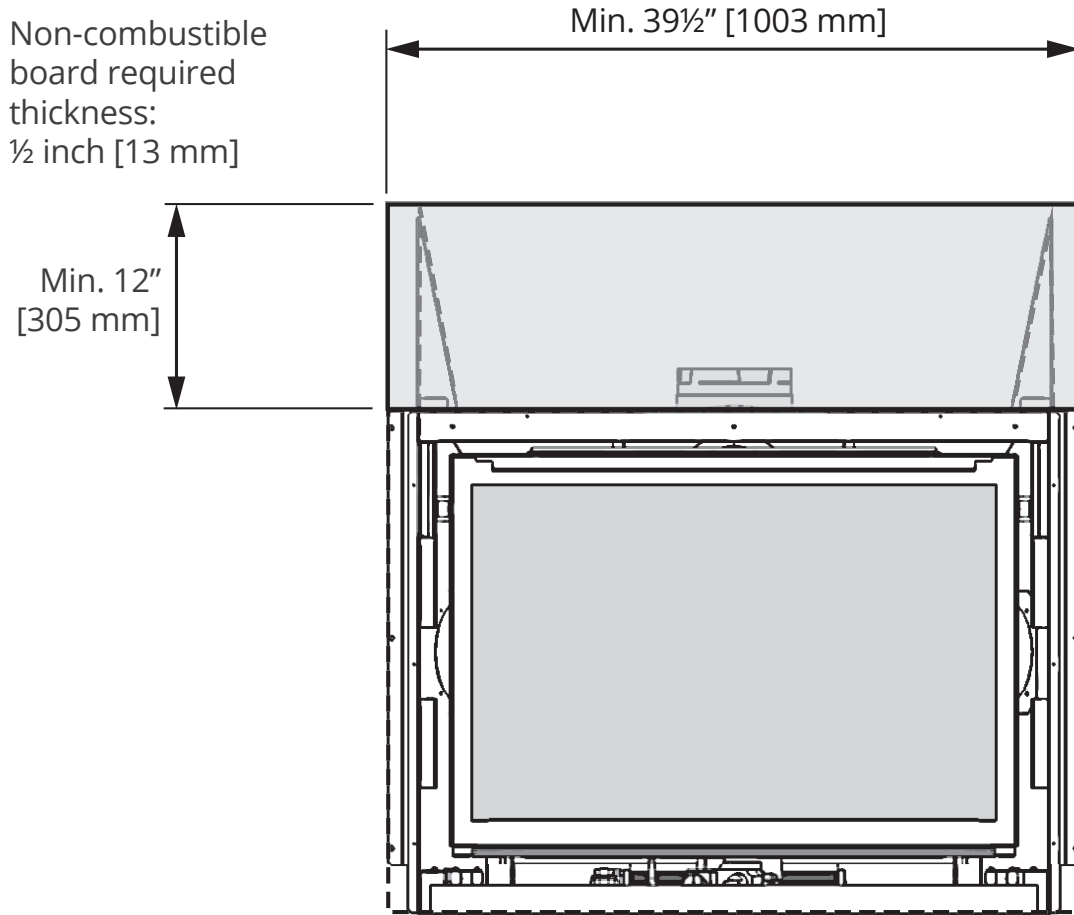
NOTE: This unit requires a solid platform to support it. Combustible framing allowed beneath fireplace. Please note that any shims used underneath to raise the heater should be set back 1/2" behind front face of framing otherwise top face of shims may be visible.



Framing Requirements

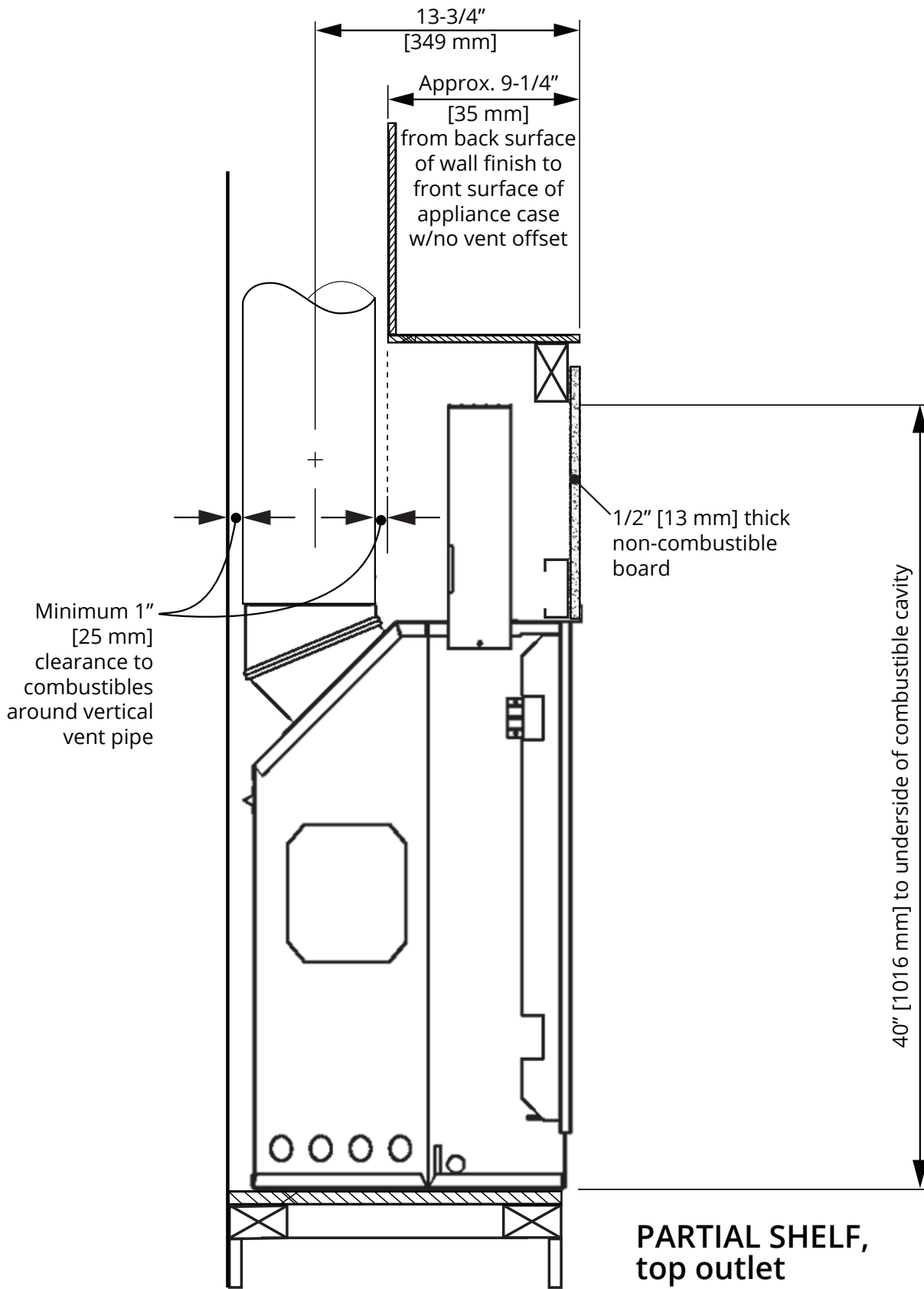
Minimum Non-Combustible Board Dimensions

Minimum coverage area of non-combustible board.
Any wall finish applied to shaded area must be non-combustible. We recommend extending the non-combustible board well beyond the size shown to avoid cracking due to differential shrinkage —see page 43.



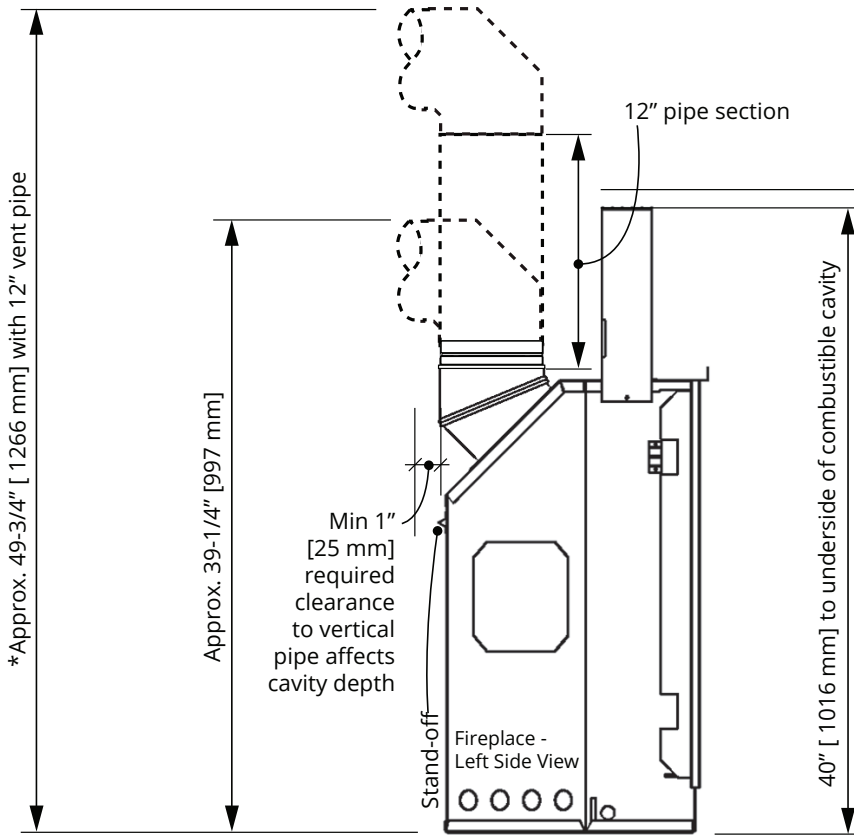
Framing Requirements

Framing with Partial Shelf—Top Outlet



Framing Requirements

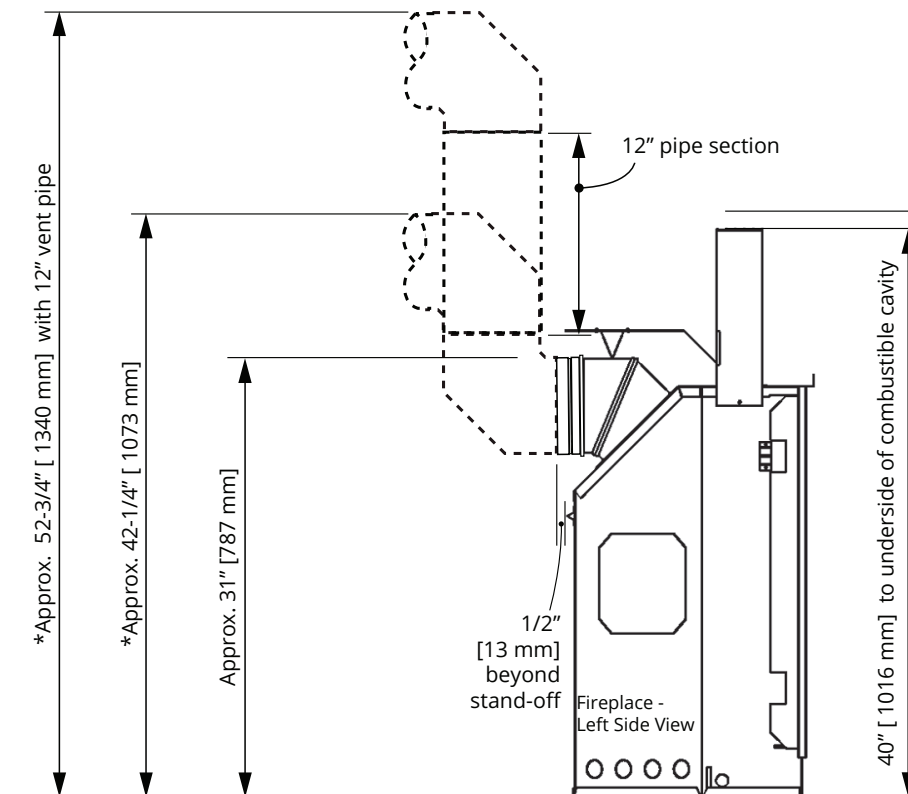
Venting Considerations—Vertical Takeoff



*Notes—ALL venting considerations

- Dimensions of venting are based on using Dura-Vent elbows. Elbow curve radius dimensions will vary when using other brands. In general, other brands have slightly bigger radius.
- 3 inches clearance to combustibles required above horizontal pipe. Slope horizontal pipe upwards 1/4 inch per foot. 1 inch clearance required around sides and bottom of horizontal pipe and around vertical pipe.
- When calculating effective pipe lengths subtract approximately 1-1/2 inch for pipe joint - for example, a 12 inches pipe section will add approximately 10-1/2 inches overall.

Venting Considerations—Horizontal Takeoff



Venting

Top or Rear Outlet

This unit is supplied with a 45 degrees top vent outlet which can be field-converted to a rear vent outlet. See *Installation* section for more information.

Vent Material

This unit is approved for installation using 4 x 6-5/8 inches co-axial direct vent pipe and accessories as listed in the *Approved Venting Components* section on pages 69–70 of this manual. Follow the installation instructions supplied with the individual venting accessories.

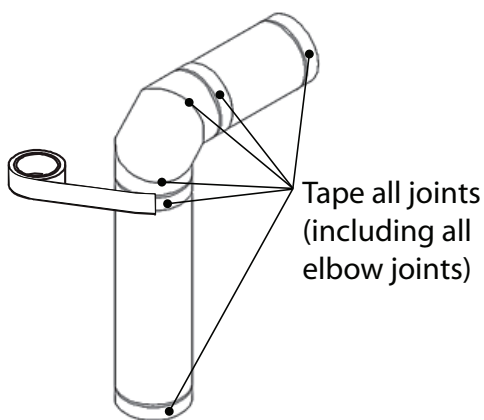
This unit may also be converted to co-linear (3 x 4 in) venting for use in solid-fuel burning fireplaces and chimneys using adapters and accessories—see list in the *Approved Venting Components* section on pages 69–70 of this manual.

Vent Sealing

Seal all outer coaxial pipe and elbow joints, including sectioned elbow joints, using high quality, high temperature 2 inch wide self-adhesive aluminum foil tape (Nashua-322-2 brand or similar). Wrap the tape completely around all joints and press firmly to seal.

A high temperature black silicone sealant may be used in the outer joints as a substitute to foil tape.

Ensure all the pipe joints have a minimum of 1 ¼ inch overlap.

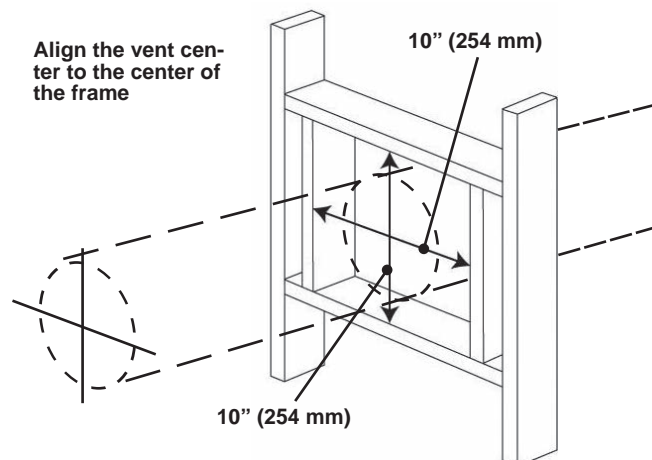


Wall Thickness

The appliance vent is suitable for penetrating a combustible wall assembly up to 8 inches in thickness. A non-combustible wall can be of any thickness up to the maximum horizontal run of vent pipe allowed for the particular installation.

Framing Vent in Combustible Walls & Ceilings

When penetrating through combustible walls and ceilings, frame a minimum of 10 in x 10 in opening and ensure that the insulation is kept clear of the vent pipe using either a wall thimble or an attic insulation shield. Follow the installation instructions supplied with the individual venting components.



Important Installer Notice – Weather Sealing & Vapor Barriers

It is the installer's responsibility to ensure that vent installations through exterior walls are caulked and weatherproofed in such a manner as to:

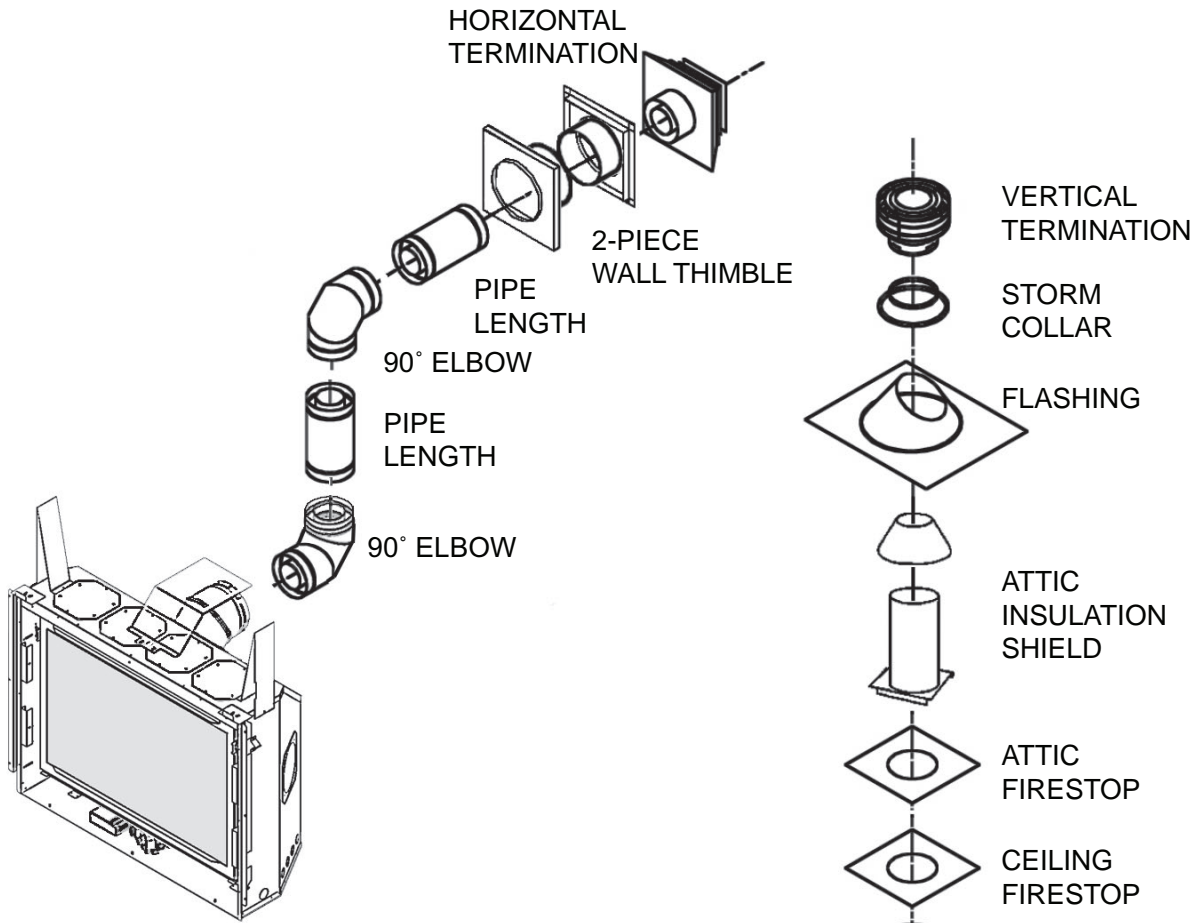
- Prevent rain water from entering the wall from the weather side by adequately caulking the outer vent plate to the exterior wall surface.
- Prevent moisture inside the home from penetrating into the wall structure by ensuring the inside wall plate is adequately sealed to the inside vapor barrier.
- Prevent rain water and moisture from entering the walls by sealing the joints between the outer vent tube and the inner and outer wall plates.

We recommend the use of a high quality polyurethane sealant.

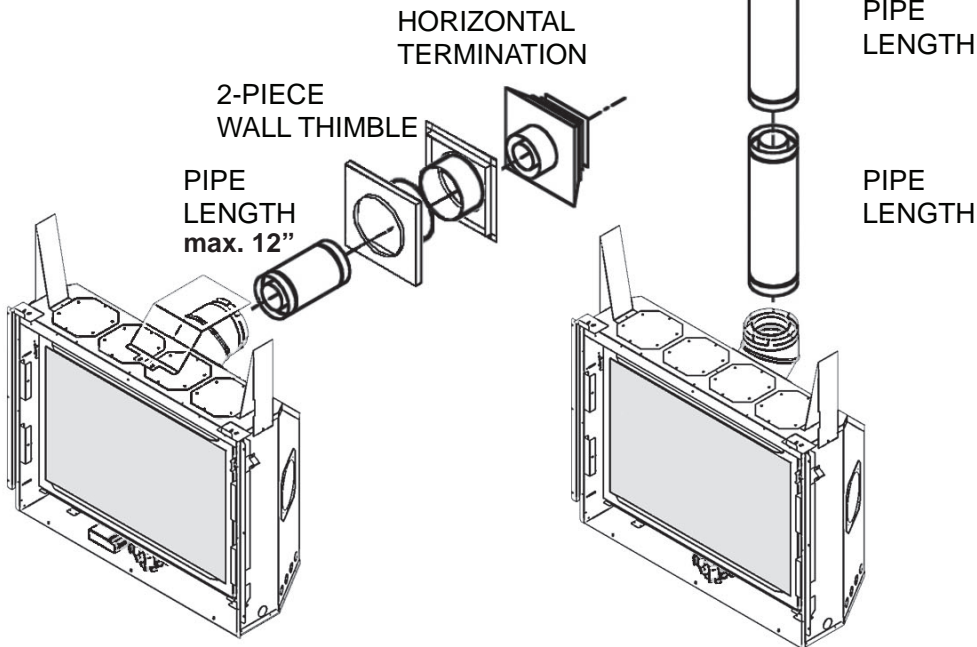
All horizontal pipe runs must be graded 1/4 inch per foot upwards in the direction of the exhaust flow. The final pipe length, when terminating through the wall may be graded downwards slightly to prevent water migration.

Co-axial Venting

Typical Co-axial Venting Components



Rear Vent



Rear Vent—no rise, 1100 models ONLY
1150 models require vertical rise

Top Vent

Co-axial Venting—1100

How to Read the Venting Chart—1100 ONLY

The chart below applies to co-axial roof or wall termination.

1. Maximum 12 inch horizontal pipe section allowed with no vertical rise in vent system—1100 only.
2. The total length of the vent pipe cannot exceed 40 feet.
3. The minimum vertical height with roof termination is 6 feet.
4. Any combination of rise and run can be used as long as they are within the allowable limits shown on the chart below.
5. A maximum of 4 x 90 degrees elbows—or equivalent (2 x 45 degrees = 90 degrees)—can

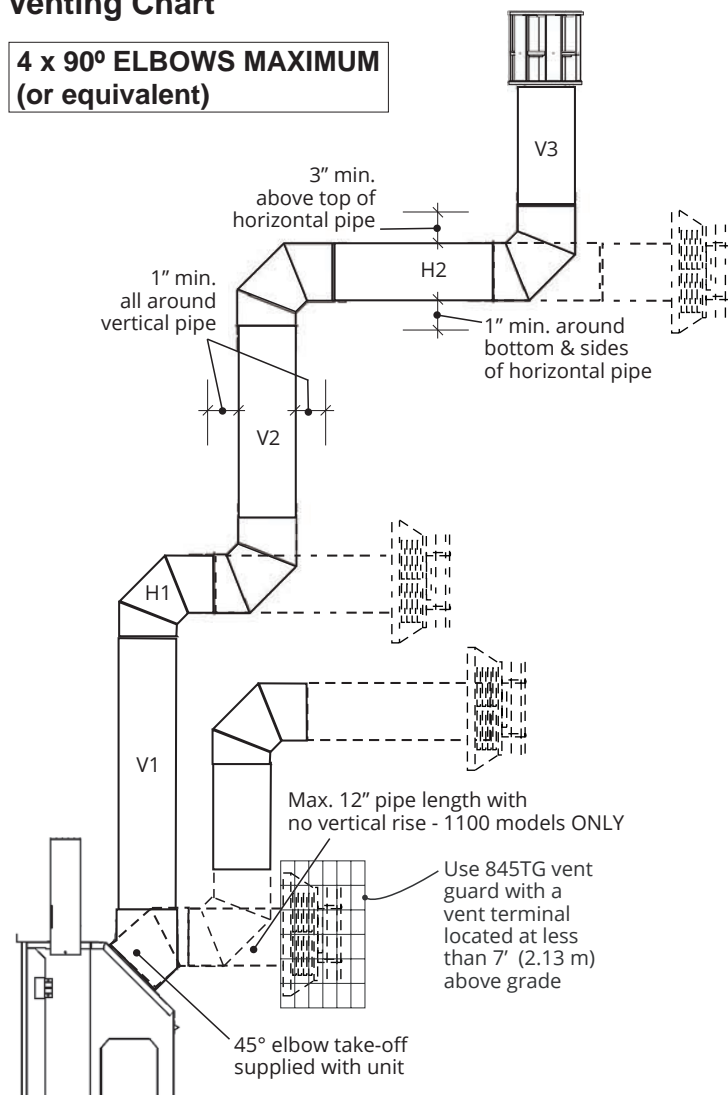
be used. Excludes the 45 degrees take-off elbow shipped with the appliance.

6. Each 90 degrees elbow installed on the horizontal plane is equivalent to a 3 feet horizontal pipe; therefore, 3 feet must be subtracted from allowable horizontal run. (45 degrees elbow is equivalent to 18 inches horizontal pipe.)
7. All horizontal pipe runs must be graded 1/4 inch per foot upwards in the direction of the exhaust flow. The final pipe length, when terminating through the wall may be graded downwards slightly to prevent water migration.
8. A restrictor adjustment is required for most installations having a vertical rise—see *Restrictors* section.

Note: The restrictors are shipped loose with the appliance.

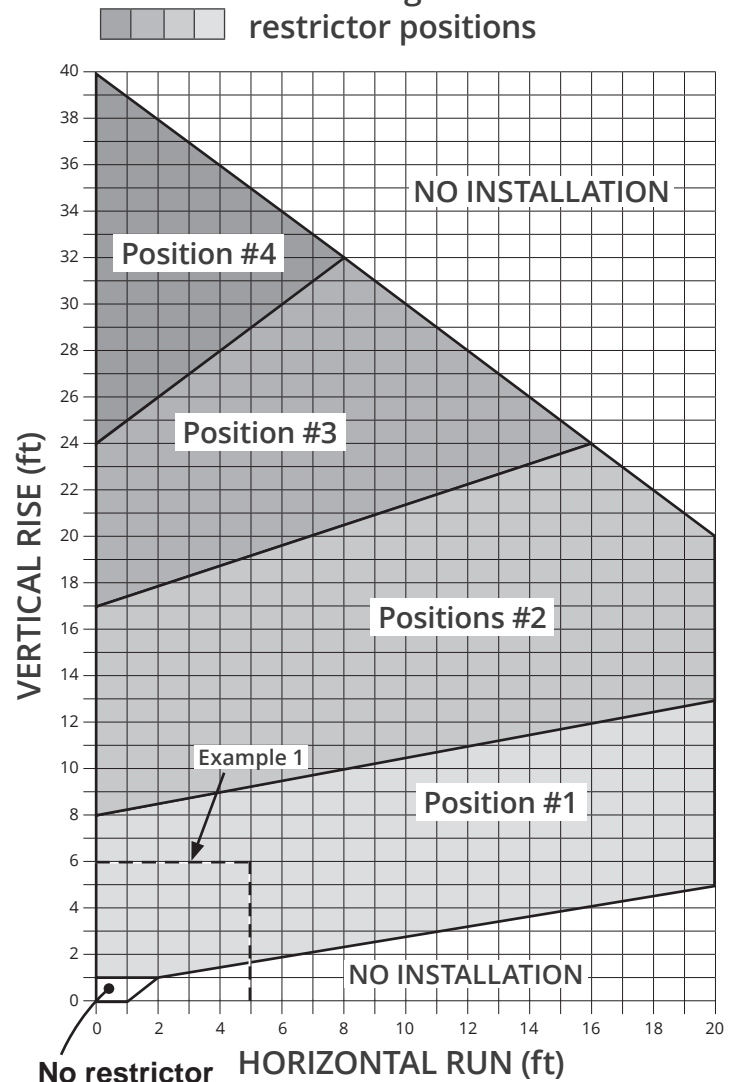
Venting Chart

**4 x 90° ELBOWS MAXIMUM
(or equivalent)**



Example 1
 $V \text{ Value} = V1 (3') + V2 (2') + V3 (1') = 6'$
 $H \text{ Value} = H1 (3') + H2 (2') = 5'$
 Restrictor position #1 required

Allowable Co-Axial Vent Configurations with restrictor positions



Co-axial Venting—1150

How to Read the Venting Chart—1150

The chart below applies to co-axial roof or wall termination.

1. Minimum 24 inch rise in vent system at the unit—1150 models only.
2. The total length of the vent pipe cannot exceed 40 feet.
3. The minimum vertical height with roof termination is 6 feet.
4. Any combination of rise and run can be used as long as they are within the allowable limits shown on the chart below.
5. A maximum of 4 x 90 degrees elbows—or equivalent (2 x 45 degrees = 90 degrees)—can

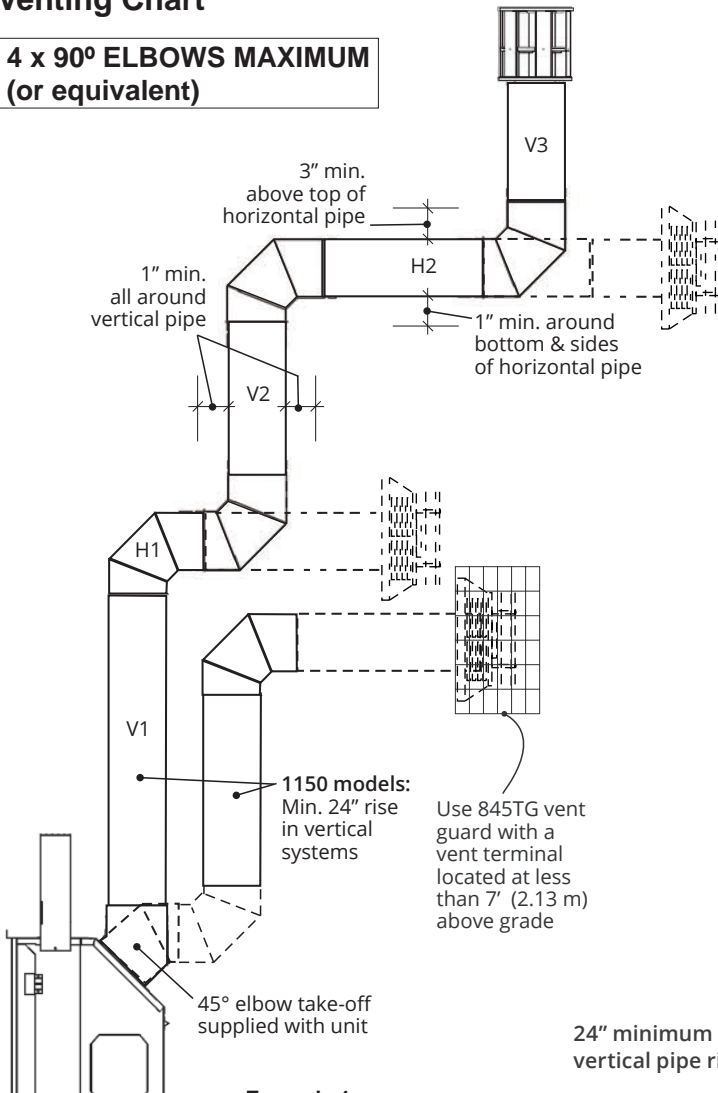
be used. Excludes the 45 degrees take-off elbow shipped with the appliance.

6. Each 90 degrees elbow installed on the horizontal plane is equivalent to a 3 feet horizontal pipe; therefore, 3 feet must be subtracted from allowable horizontal run. (45 degrees elbow is equivalent to 18 inches horizontal pipe.)
7. All horizontal pipe runs must be graded 1/4 inch per foot upwards in the direction of the exhaust flow. The final pipe length, when terminating through the wall may be graded downwards slightly to prevent water migration.
8. A restrictor adjustment is required for most installations having a vertical rise—see next section.

Note: The restrictors are shipped loose with the appliance.

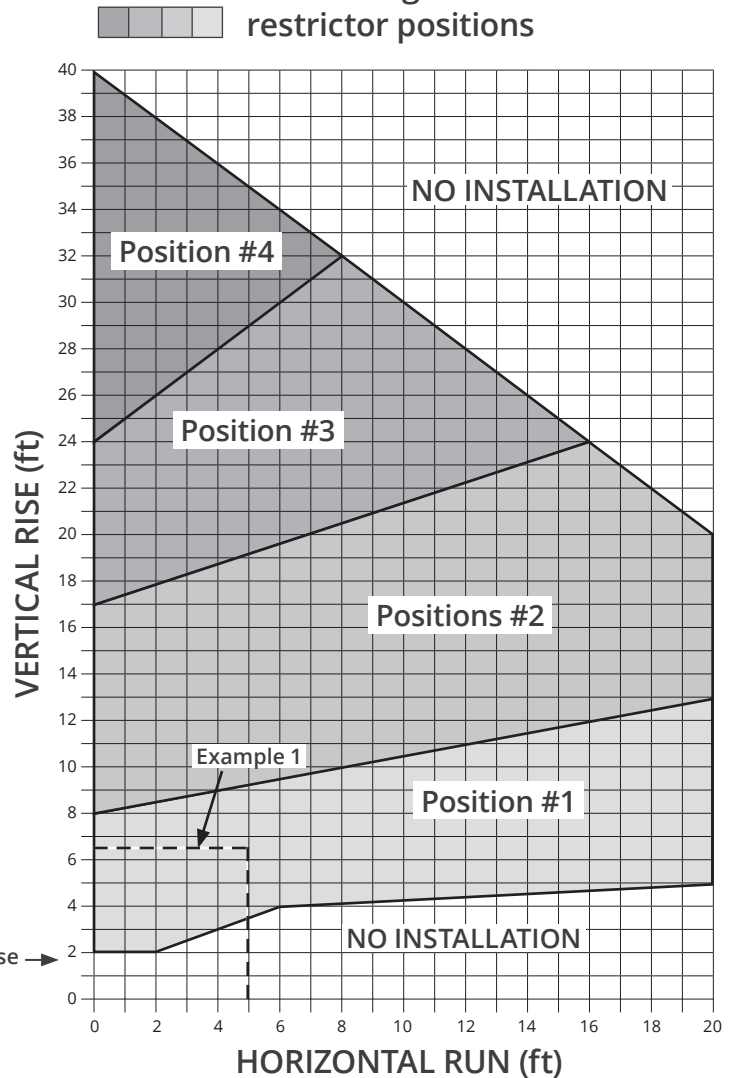
Venting Chart

**4 x 90° ELBOWS MAXIMUM
(or equivalent)**



Example 1
 $V \text{ Value} = V1 (3') + V2 (1.5') + V3 (1') = 5.5'$
 $H \text{ Value} = H1 (3') + H2 (2') = 5'$
Restrictor position #1 required

**Allowable Co-Axial
Vent Configurations with
restrictor positions**



Co-axial Venting

Restrictors

The restrictors are not required when less than 1'-0" vertical rise in vent system.

Install the restrictors in the roof of the firebox behind the top liner panel. Adjust the restrictors before installation of the top liner panel. Should subsequent adjustment be required, you will need to remove the top liner panel—see page 54.

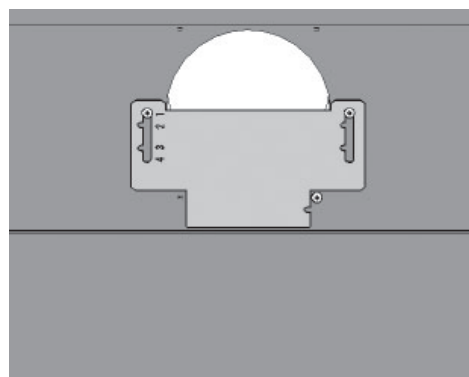
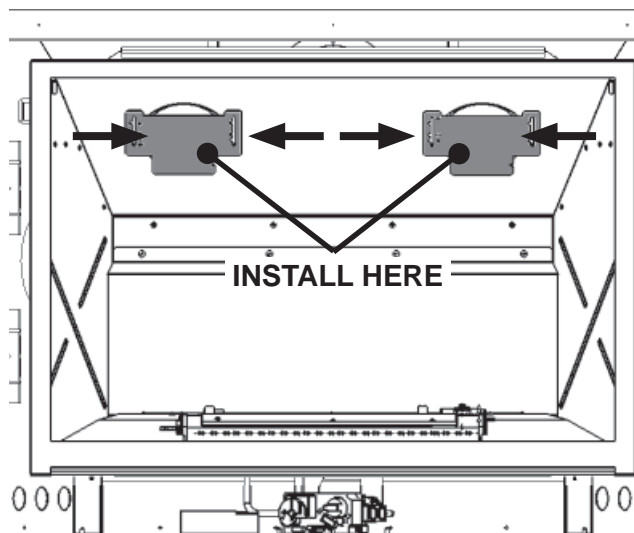
MOST INSTALLATIONS REQUIRE RESTRICTORS for improved flame picture and performance. This unit is supplied with restrictors having four different positions or settings. The level of restriction required depends on the vertical rise in the venting system and, to a lesser degree, the horizontal run and number of elbows.

The amount of restriction is based on laboratory tests. The ideal restrictor position may vary slightly, especially when the vent pipe length is near the limits of the acceptable configurations for each type of restrictor.

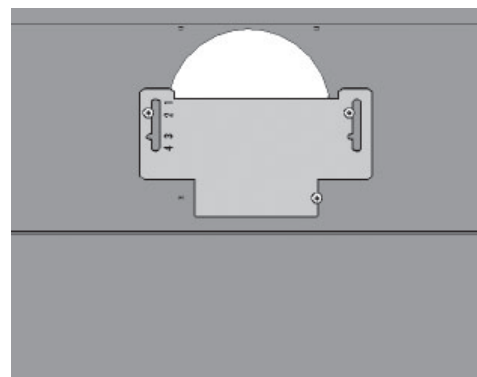
The chart on the previous page shows the vent restrictor positions required relative to the length of the vent pipe.

To set the restrictors position:

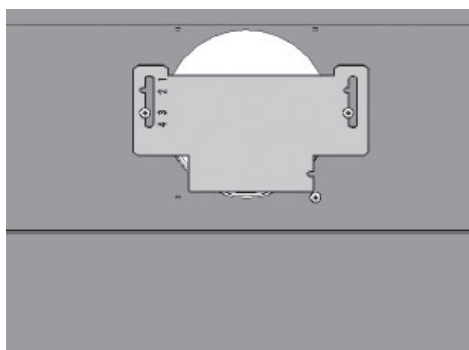
1. Establish the required position of the restrictors looking up the venting table on the previous page.
2. Fasten the restrictors using the screws (2) already installed on each side of **the firebox roof ports**.
3. Slide the restrictors in the required position.
4. Tighten the screws.



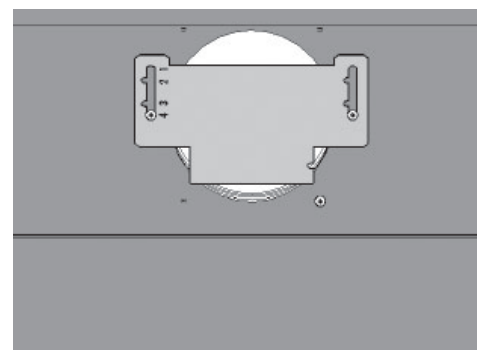
Position #1



Position #2



Position #3



Position #4

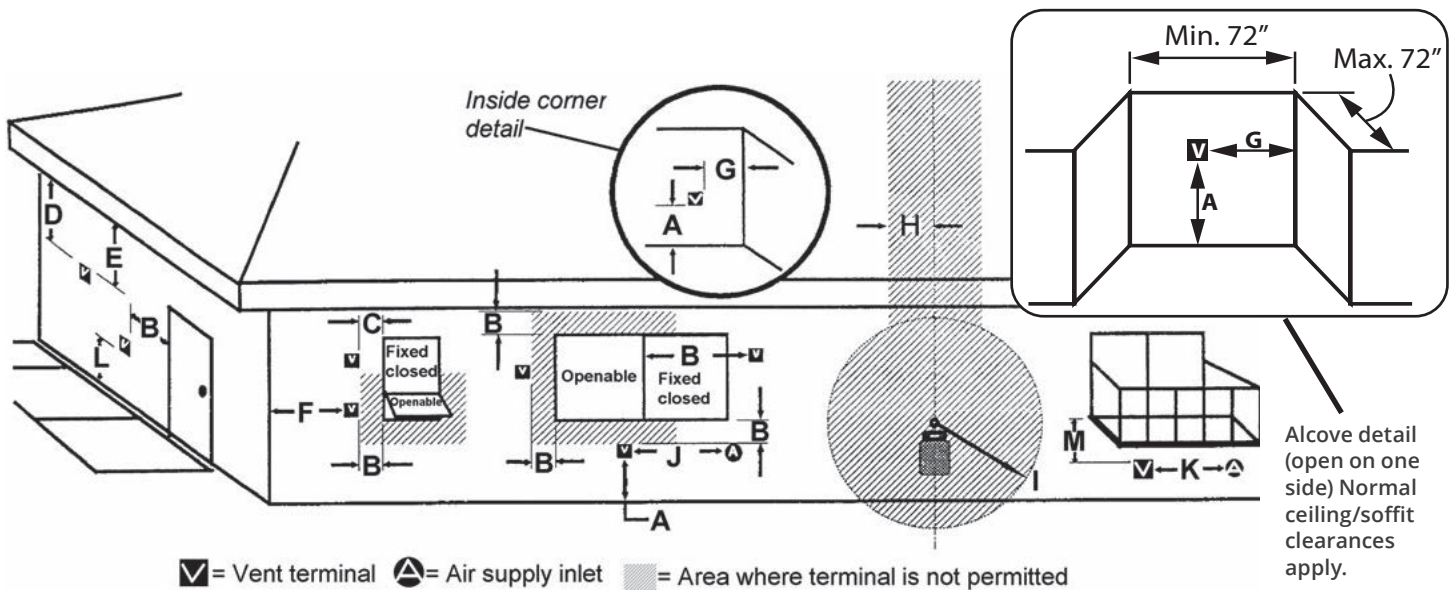
Co-axial Venting

Horizontal Vent Termination Location

- The vent terminal must be located on an outside wall or through the roof.
- This direct vent appliance is designed to operate when an undisturbed airflow hits the outside vent terminal from any direction.
- The minimum clearances from this terminal that must be maintained when located on an outside wall are shown in figure below. Any reduction in these clearances could result in a disruption of the

airflow or a safety hazard. Local codes or regulations may require greater clearances.

- The vent terminal must not be recessed into a wall or siding.
- The vent terminal should be positioned where any snowdrifts will not cover it.
- Sidewall vent terminations require a terminal guard such as 658TG or 845TG when accessible—within 7' of ground.

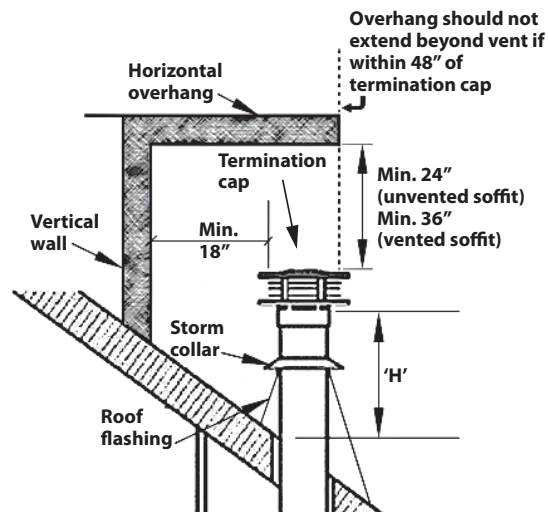


KEY	VENT TERMINAL LOCATIONS - MINIMUM DISTANCES Measured from the center of vent	MINIMUM CLEARANCE	
		Inches	Cm
A	Clearance above grade, verandah, porch, deck or balcony	12	30
B	Clearance to window or door that may be opened	12	30
C	Clearance to permanently closed window (recommended to prevent condensation on window)	12	30
D	Vertical clearance to ventilated soffit located above the terminal within a horizontal distance of 2 feet (60 cm) from the center-line of the terminal	18	46
E	Clearance to unventilated soffit	12	30
F	Clearance to outside corner	12	30
G	Clearance to inside corner	12	30
H	Horizontal clearance to center-line of meter/regulator assembly located within 15 feet (4.6 m) below the terminal	36	90
I	Clearance to service regulator vent outlet	36	90
J	Clearance to non-mechanical air supply inlet to the building or the combustion air inlet to any other appliance	12	30
K	Clearance to a mechanical air supply inlet	72	180
L	Clearance above paved sidewalk or a paved driveway located on public property Note: A vent must not terminate directly above a sidewalk or paved driveway, which is located between two single-family dwellings and serves both dwellings. THIS DOES NOT APPLY to direct vent, non-condensing appliances in the Province of Ontario.	84	210
M	Clearance under a verandah, porch, deck or balcony Only permitted if veranda, porch, deck or balcony is fully open on a minimum of 2 sides beneath the floor	12	30

Note: Local codes and regulations may require different clearances.

Vertical Vent Termination

Roof Pitch	Minimum "H" (feet)
Flat to 7/12	1'
Over 7/12 to 8/12	1.5'
Over 8/12 to 9/12	2'
Over 9/12 to 10/12	2.5'
Over 10/12 to 11/12	3.25'
Over 11/12 to 12/12	4'
Over 12/12 to 14/12	5'



Co-linear Venting

Conversion to Co-Linear Liners using Valor 1156CLA Co-Linear Adapter

Co-linear portion of vent system may only be installed within a solid-fuel burning fireplace and chimney.

The appliance must not be connected to a chimney flue serving a separate solid-fuel burning appliance.

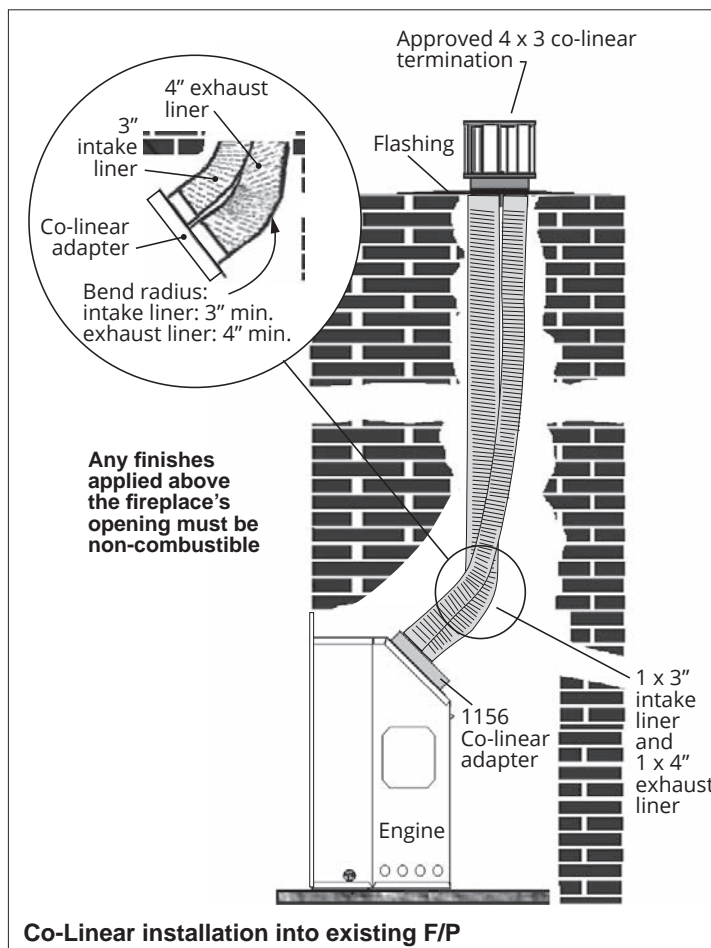
Requires the Valor Co-Axial to Co-Linear appliance Adapter 1156CLA, two lengths of 2-ply, one 3" and one 4" diameter flexible chimney liner approved for venting gas appliances, a co-linear termination kit and flashing or a co-linear to co-axial adapter and either a high wind vertical vent terminal cap or a low profile vertical termination.

Note: A 3" diameter exhaust liner may be used if conditions will not allow for the 4" exhaust liner. Cold start-up problems may be experienced however when using a 3" exhaust liner.

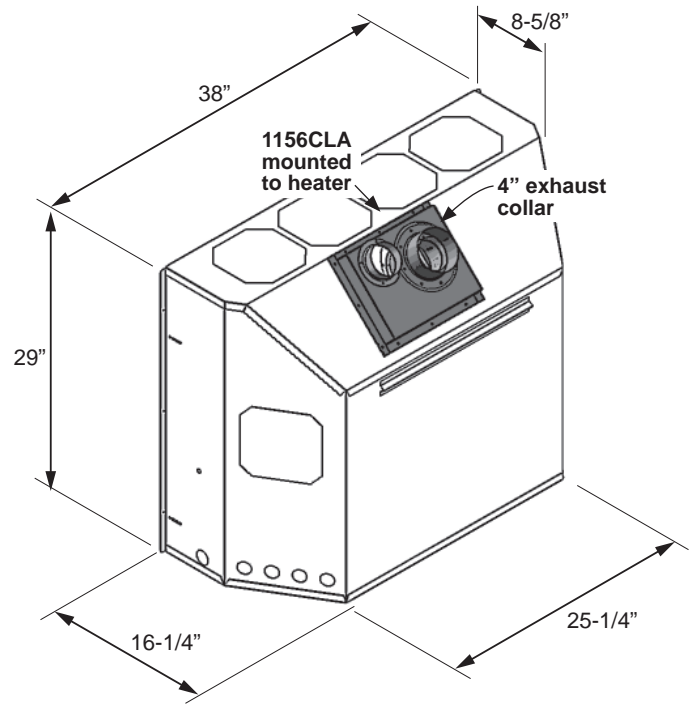
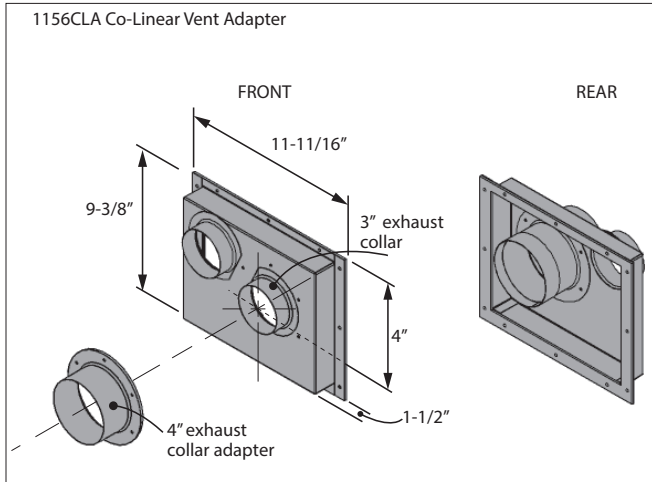
Firebox zero clearance standoffs supplied with the heater are not required for this application.

Rules for Co-Linear Venting

- Maximum 40 feet vertical pipe
- Minimum 10 feet vertical
- Maximum offset 8 feet with liners at minimum 45 degrees from horizontal plane
- Restrictor: Use #4 position for all co-linear installations—refer to page 37 for restrictor



Co-linear Venting



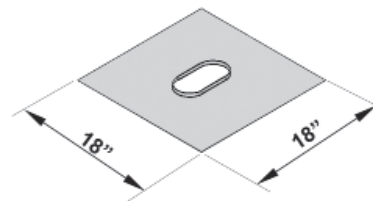
Dimensions with co-linear adapter

Dimensions shown are with Valor 1156 co-linear adapter.

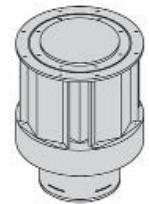
Installation

For installation of the adapter to the appliance, see the instructions supplied with the 1156CLA.

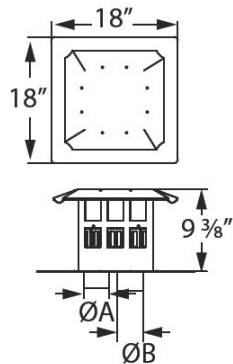
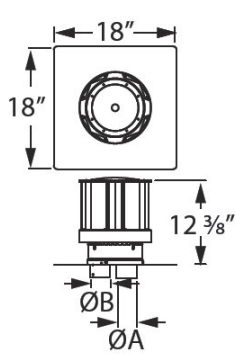
Example of co-linear terminal configurations



Flashing Kit



Terminal Cap



Co-linear terminal kits

Installer—READ THIS FIRST

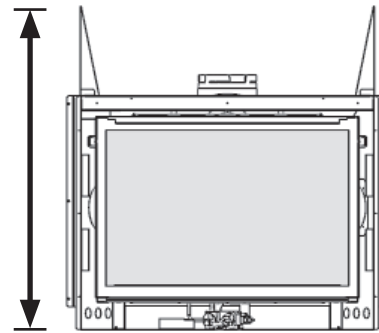
Only qualified licensed or trained personnel should install this appliance.

BEFORE YOU START—YOU NEED TO KNOW FROM THE HOMEOWNER:

- Will the optional HeatShift System be used;
- The height of the unit and hearth if used;
- The thickness and type of the wall finish around the firebox opening;
- What accessories (trim, fan, etc.) will be installed with this fireplace;
- The venting configuration.

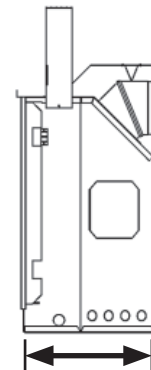
1. Unpack the appliance, removing all items packed inside and around the appliance.
2. Check that you have everything, using the Pack Content sheet. Also, check that you have:
 - a fuel bed (packed separately)
 - a set of liners (packed separately)
 - Remote Battery & Wall Switch Kit RBSWK
 - Venting accessories
 - HeatShift System, if used
 - Electrical accessories, if necessary
 - Gas conversion kit, if necessary
3. Carefully read the Installer's Checklist included with the fireplace for the installation sequence.

Appliance Height in Framing



Hearth considerations

- Only a non-combustible hearth can be installed in front of the appliance if within 4" of the bottom of the appliance.
- The top surface of the non-combustible hearth must be at the same level as appliance bottom panel when using certain trims and accessories—see page 49.
- The non-combustible hearth in front of the appliance, if within 4" of the bottom of the appliance, must include the 1/2" *Micore* insulation board provided to be used as thermal break between non-combustible and combustible material underneath.



Appliance Depth in Framing

- 1130 Fixed Framing Kit installs at framing stage and the appliance position is fixed in the framing. Wall finishes butt up to the frame of the 1130 Fixed Framing Kit.
- All other trims install after the wall finish is applied. The perimeter of the trims overlap the wall finish; therefore the thickness of any wall finish materials must be taken into consideration. The trims have enough adjustability to allow up to 3/4" thick material applied over top of the 1/2" thick non-combustible board. Otherwise the appliance position within the framing must be adjusted to allow the additional thickness—see pages 49-50.

Planning Wall Finish

Non-combustible cement board

The H5 fireplace requires a 1/2" (13 mm) thick non-combustible cement board or equivalent, to be used as a wall surface immediately above the unit—see diagram for minimum coverage.

Extending the cement board well beyond the minimum shown will help avoid cracking due to differential expansion of materials. Pre-drill cement board with oversized holes and do not over-tighten screws to avoid cracking due to heat expansion.

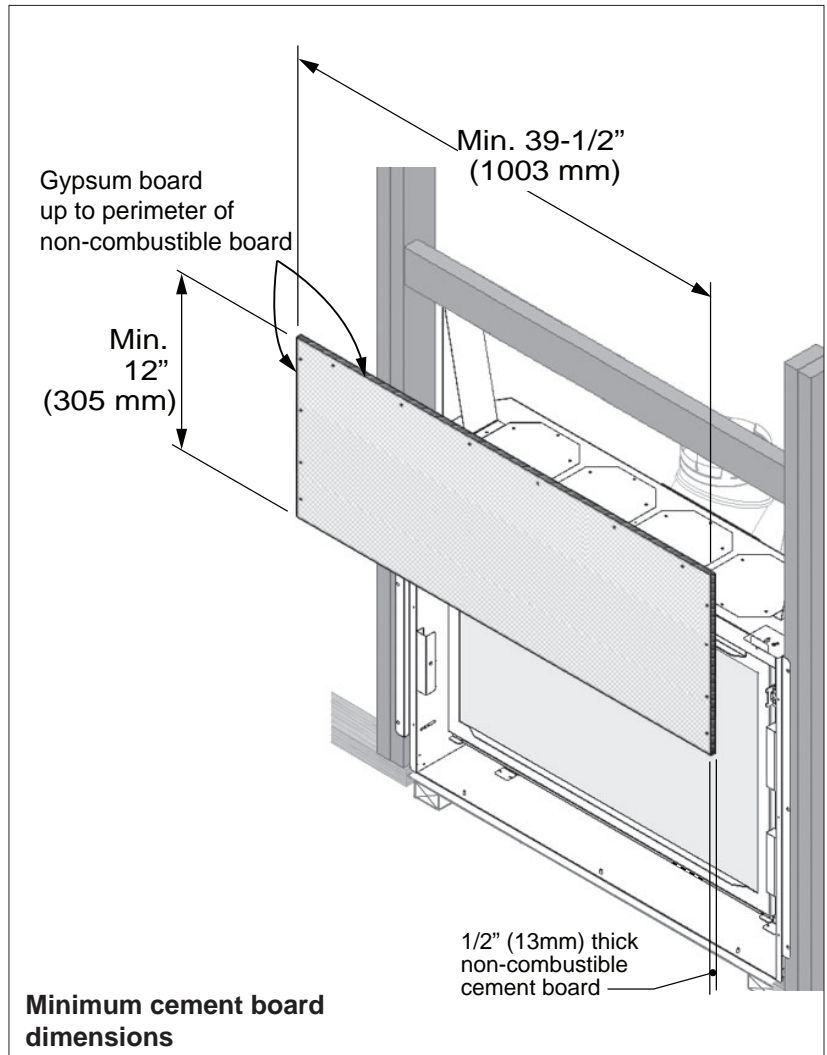
Standard gypsum wall board may be used beyond the perimeter of the cement board although it is preferable not to change materials to help avoid cracking.

Finishing around trims

Additional non-combustible material such as tile, etc., may be applied over top of the wall surface or you may choose to leave it finished clean with no tile, etc.—see page 43.

Be aware that a trim is always required and that the wall finish thickness must be taken into account for all installations other than the Fixed Framing Kit 1130.

All the other trims, 1135, 1140v2 and 1184 will accept wall finish tucked under their edge up to approximately 2" thick.



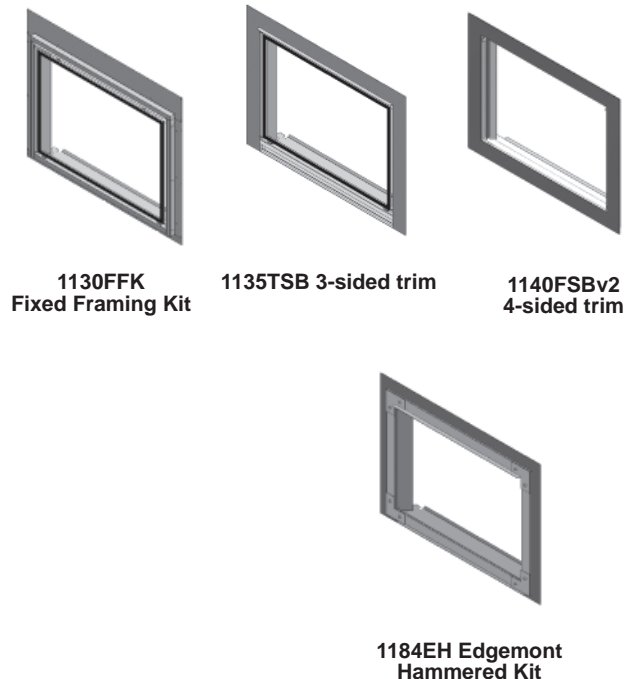
Non-Combustible Materials Specifications

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

Materials that are reported as passing ASTM E 136, Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750 °C shall be considered non-combustible materials.

Combustible Materials Specifications

Materials made of or surfaced with wood, compressed paper, plant fibers, plastics, or other material that can ignite and burn, whether flame proofed or not, or plastered or unplastered shall be considered combustible materials.



Installation Planning

Cracking Wall Finishes

We recommend installing the optional HeatShift System to reduce the wall temperatures and minimize the possibility of cracking wall finishes. See HeatShift manual p. 73.

If a clean finish with no tile, etc. is desired, joints in the non-combustible board and the transition to gypsum board will require special attention if future cracking is to be controlled.

Shrinkage and differential movement of the framing and non-combustible wall board can transmit cracking through to tiles, etc.

Be aware that temperatures on the non-combustible wall surface above the appliance can exceed 200°F.

Below are some tips on how to best avoid any cracking:

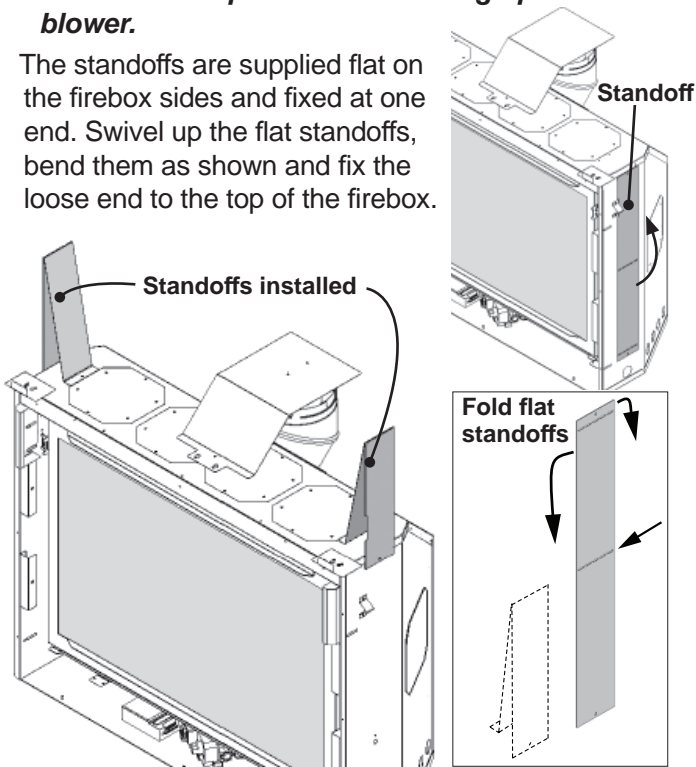
- Allow materials to dry thoroughly before finishing the wall. Cement board has the ability to absorb up to 30 percent of its weight in water and may shrink as much as 1/8" over a 48" length when drying from a saturated condition. Running the fireplace for an extended period before final finishing will help drive out moisture.
- Always pre-drill screw holes through cement board and use screws with self-milling head.
- Always use mesh tape over joints.
- Always stagger joints in wall board.
- Behind joints, double up studs or use studs "on the flat" to add extra support to the joint. Adhesive on the backside of wall board behind any joints can help control differential movement.
- Use multiple, thinner coats of joint compound and allow to dry thoroughly between coats.
- Ensure framing materials are dry.
- After finishing the wall, introduce heat gradually to slowly dry any excess moisture rather than drying too fast.
- Avoid notching cement board or tiles around corners of window opening and instead provide a joint that intersects the corner.

Installation

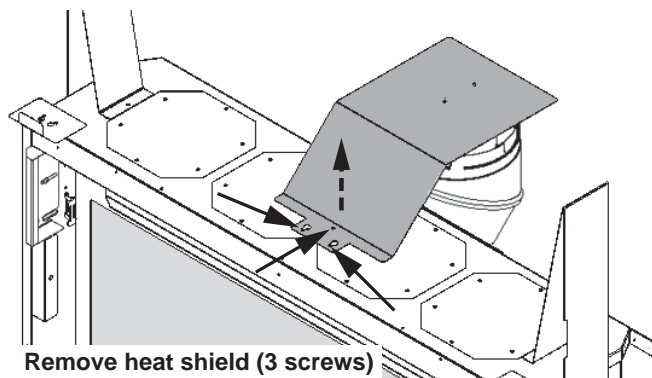
Unpack Appliance

Beware of sharp edges! Wear gloves!

1. Remove the cardboard wrapping and the wood pallet from the appliance and discard.
2. Unpack any loose items from around the appliance.
3. **Verify that you have all the components required for the installation, including:**
 - **approved non combustible cement board;**
 - **liners and fuel bed (in separate cartons);**
 - **trim kit with barrier screen;**
 - **venting components and accessories;**
 - **electrical components if installing optional blower.**
4. The standoffs are supplied flat on the firebox sides and fixed at one end. Swivel up the flat standoffs, bend them as shown and fix the loose end to the top of the firebox.



5. Remove the heat shield from the top of the appliance case (3 screws). If using the top outlet or Heat-Shift Kit, discard the shield. If using a rear outlet, keep the shield to reinstall after converting the top to rear outlet—see next subsection.

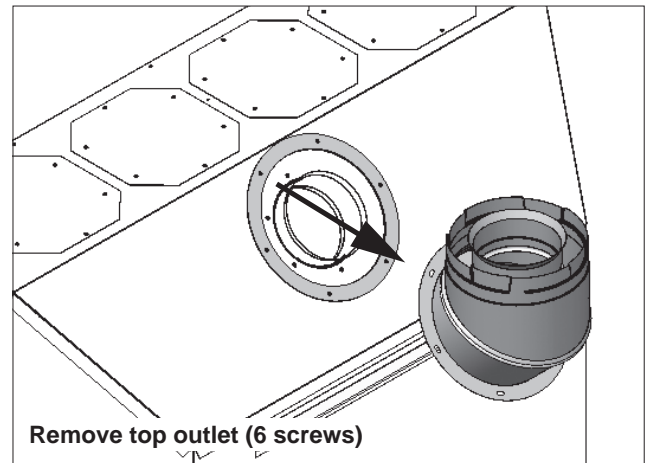


Convert from Top to Rear Outlet (if required)

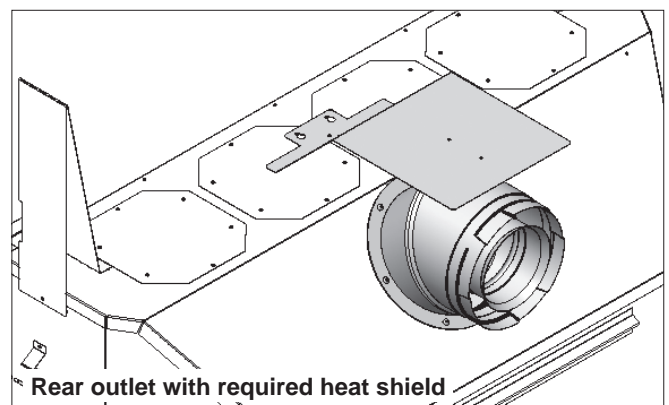
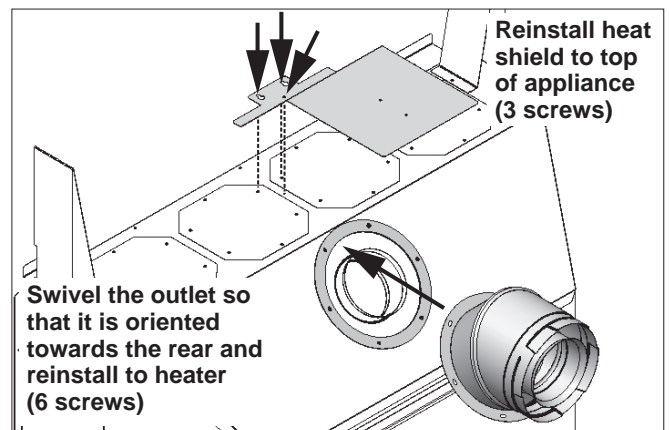
This unit is supplied with a top vent outlet which can be field-converted to a rear vent outlet.

Please note that the rear outlet requires the installation of the heat shield on top of the heater case as indicated *unless fitted with optional HeatShift Kit.*

1. Remove the top outlet collar (6 screws).



2. Swivel the collar and install as a rear outlet (6 screws).
3. Reinstall the heat shield to the top of the appliance case (3 screws).

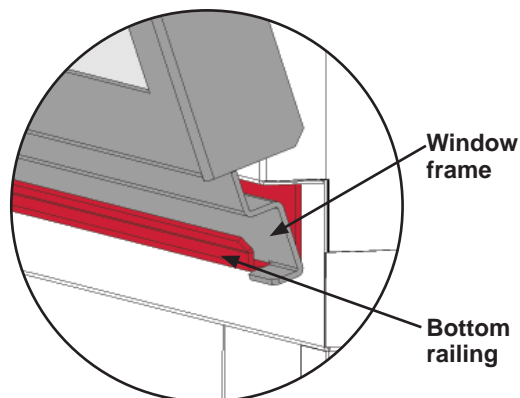


Installation

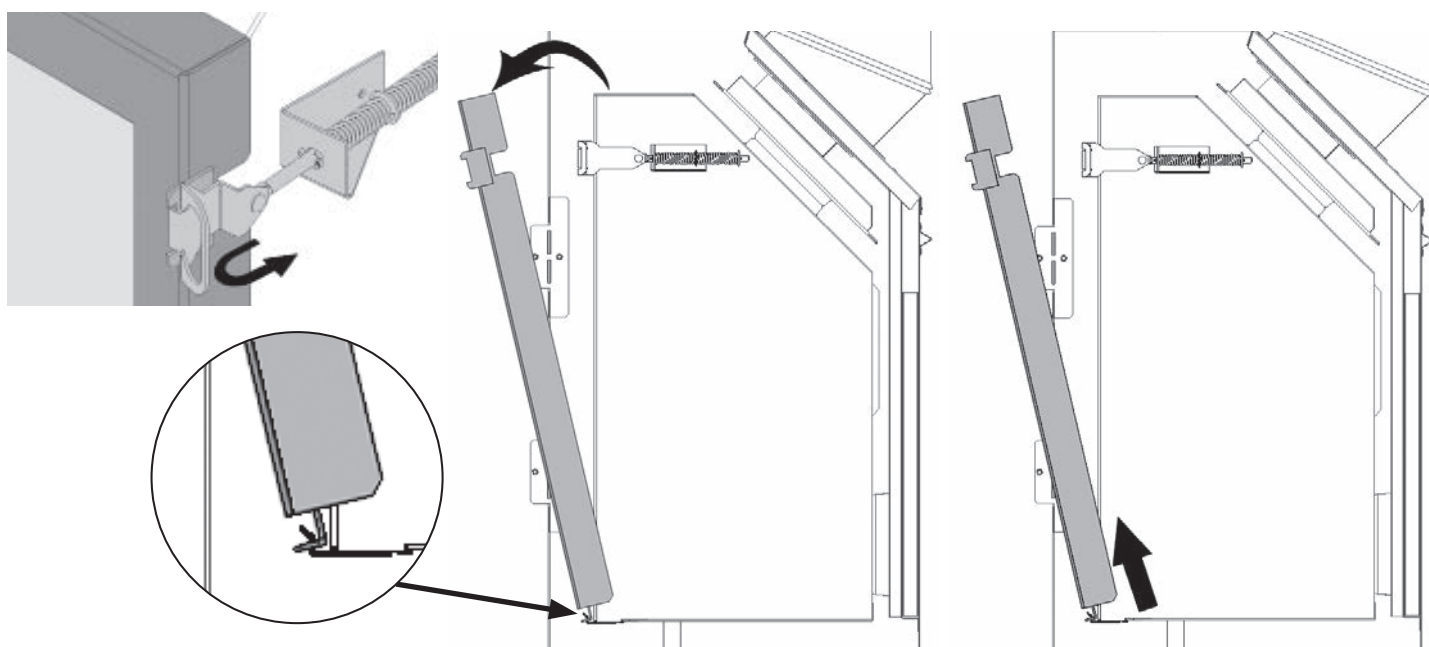
Remove Window

The window is held in place by a spring-loaded lever on each side.

1. To remove the window, locate the levers on each side of the window towards the top. Using your finger, pull the lever towards you and unhook it from the window frame bracket.
2. Gently pull the top of the window outward.
3. Lift the window out of its bottom railing and set it aside in a safe place to avoid damage.



Section Views



Fit optional HeatShift Kit's take-off collars to appliance (if used)

See HeatShift installation instructions pages 73 and subsequent for details.

Installation

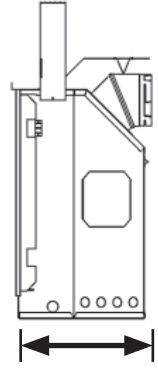
Install Appliance for 1130 Fixed Framing Kit

Appliance Depth in Framing—with 1130 Fixed Framing Kit

- The 1130 installs to the appliance during the framing stage and the appliance's position is fixed in the framing. Wall finishes are then applied over top of the flanges and butted up to the frame of the 1130.



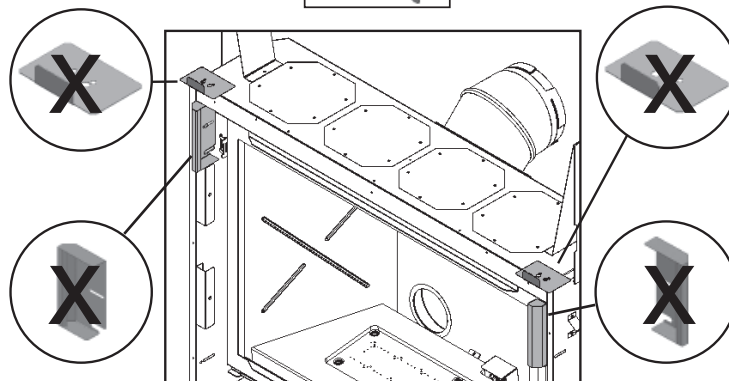
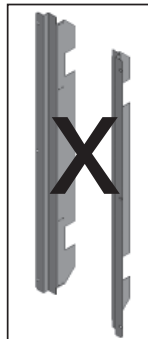
1130FFK Fixed Framing Kit



Rear take-off 16-1/2"
Top take-off 17-1/2"
20" with LDK Kit

**1130 Fixed Framing Kit,
fixed position**

- **side brackets** supplied with appliance **not required**
- appliance **positioning brackets** supplied on appliance **not required**
- appliance **convection gap filler brackets** supplied on appliance **not required**



Installation

Install Appliance with 1130 Fixed Framing Kit

Part of the 1130 Fixed Framing Kit installs at the time of framing the appliance.

The side brackets provided loose with the appliance are not needed with this kit.

The 1130 Fixed Framing Kit is not compatible with any other trim or door kits.

Hearth considerations

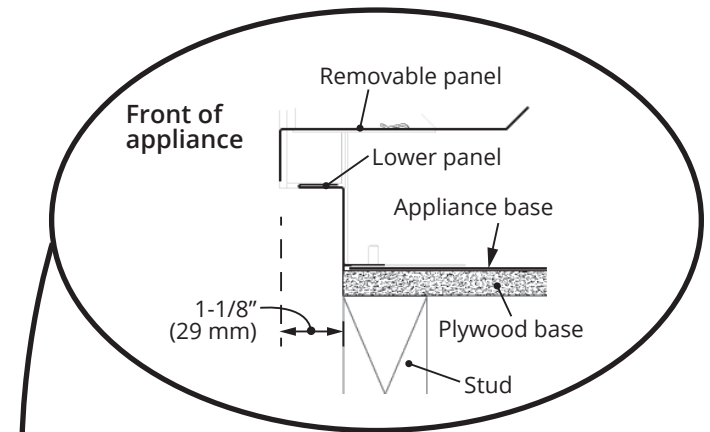
You need to know whether there will be a hearth or not in front of the appliance and some rules must be considered:

Without hearth (up the wall)

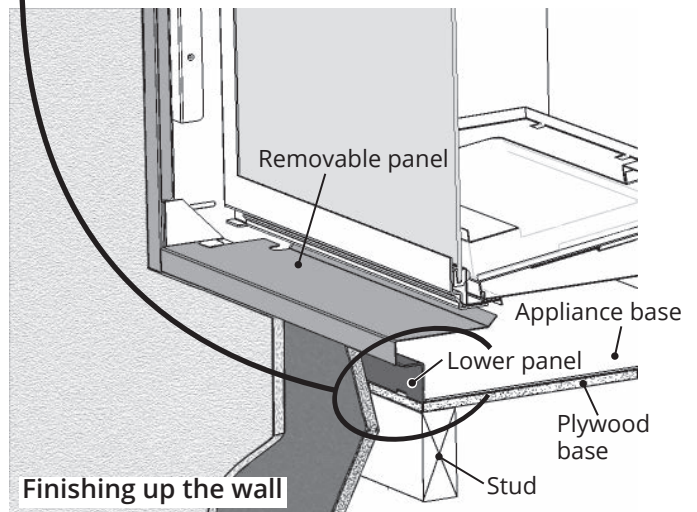
In the case where there is no hearth, the bottom of the appliance must be raised at least 4" inches above any combustible floor in front.

With hearth

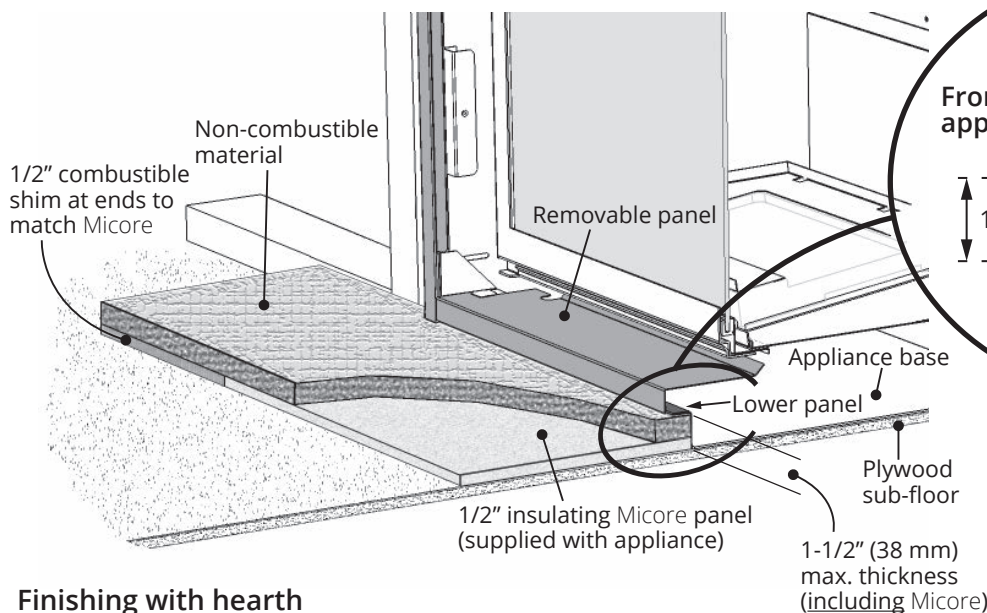
- Only a non-combustible hearth can be installed in front of the appliance if within 4" vertically of the bottom of the appliance. See *Hearth Requirements* section of this manual.
- The non-combustible hearth in front of the appliance, if within 4" of the bottom of the appliance, must include the 1/2" Micore insulation board provided to be used as thermal break between non-combustible and combustible material underneath.



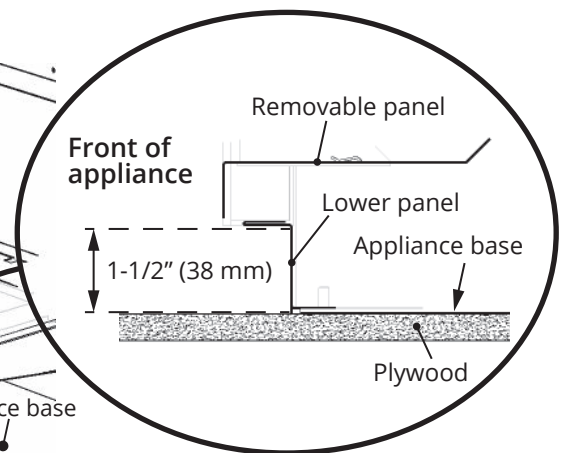
Section view, up the wall—detail



Finishing up the wall



Finishing with hearth

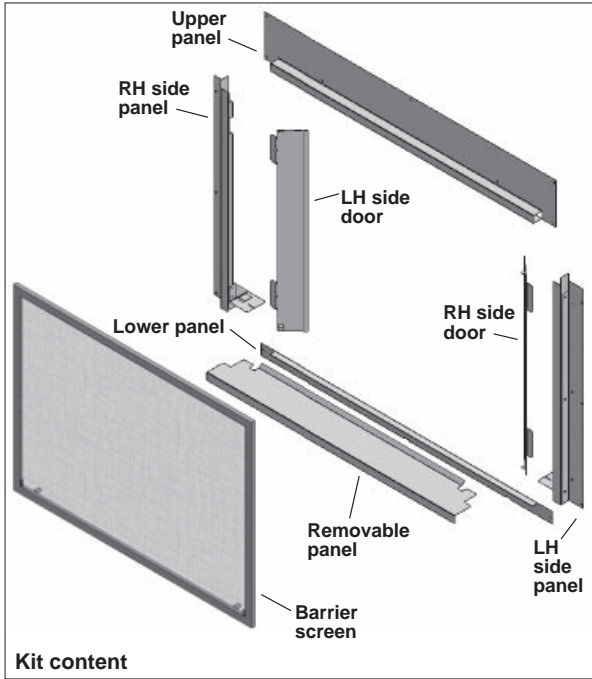


Section view, hearth—detail

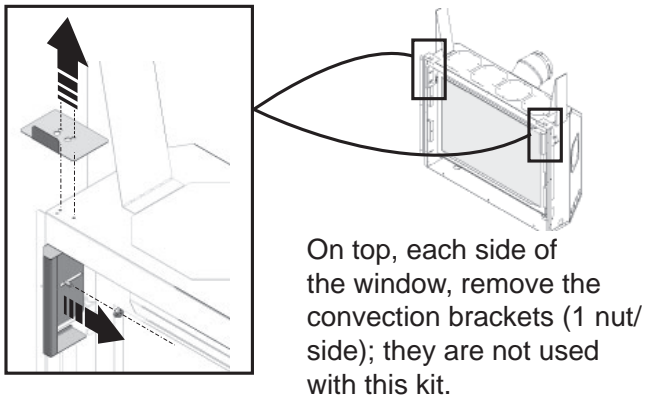
Installation

Installation

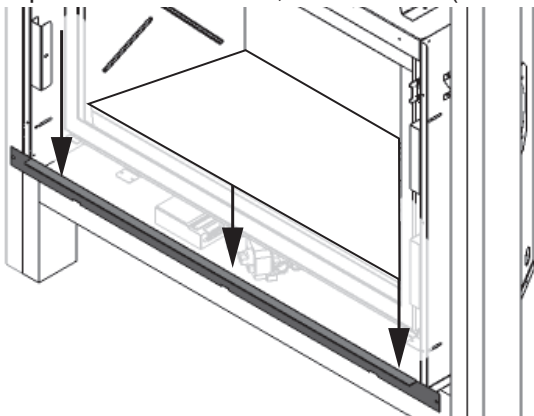
1. Unpack the 1130 kit checking that you have all the pieces on hand.



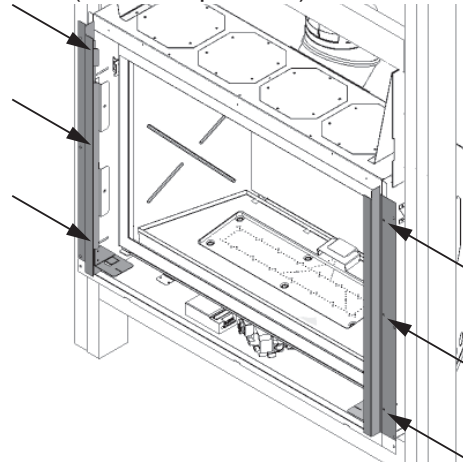
2. On the top of the appliance's case in front of the stand-offs, remove the positioning brackets (2 screws each).



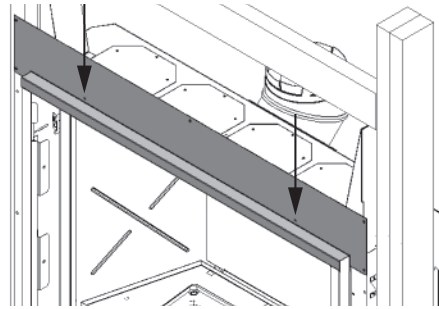
3. At the bottom of the appliance case, install the lower panel provided with the kit, as indicated (3 nuts).



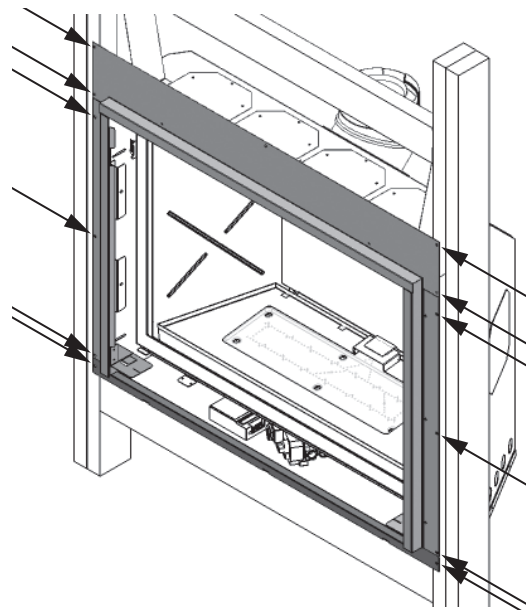
4. On the appliance, install the side panels as indicated (3 screws per side).



5. Install the upper panel as indicated (2 screws).



6. Slide the appliance into the framing and fix it to the studs on each side (6 fixing points per side).



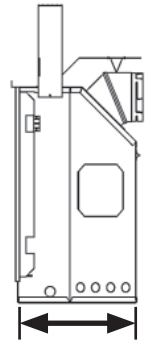
7. Set aside the side doors, removable panel and barrier screen to install later when the appliance's set-up and wall finish application are completed. Continue the installation of the heater as indicated in this manual.

Installation

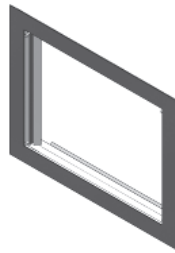
Install Appliance for 3 and 4-Sided Trim or Doors

Appliance Depth in Framing—with 3 and 4-Sided Trims, Doors

- The 3 and 4-sided trims are adjustable to accommodate up to an additional 3/4" of tile or other over top of the 1/2" non-combustible wall board.
- The appliance's position within the framing cavity may also be adjusted for depth in the framing to accommodate additional wall finish thickness "tucked" behind the trim.



1135 3-sided trims



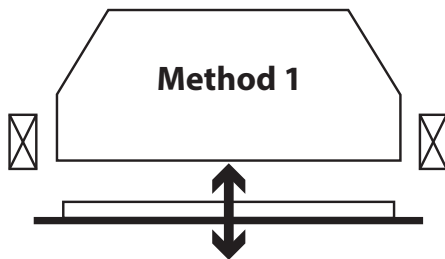
1140 4-sided trims



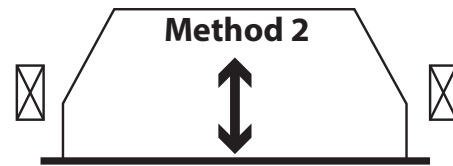
1184EH Edgemont Hammered Kit

3 and 4-Sided Trims, Doors adjustable position

Installation Method 1



Installation Method 2



- wall finish thickness: **up to 3/4" + 1/2"** non-combustible board
- trim's depth on appliance can be adjusted to accommodate wall finish thickness

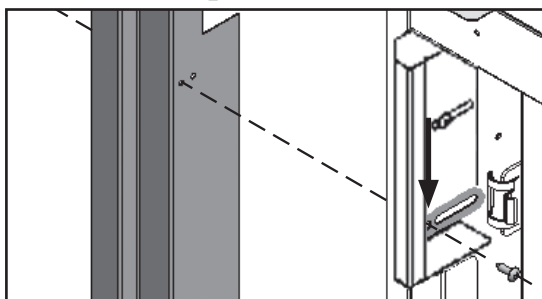
- wall finish thickness: **more than 3/4" + 1/2"** non-combustible board
- appliance's depth can be adjusted in the framing to accommodate additional wall finish thickness of up to approximately 2"

- side brackets fixing position

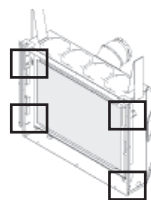
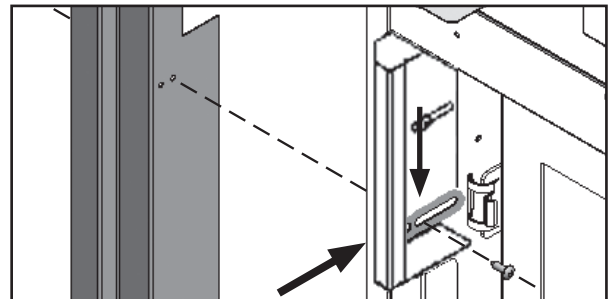
- side brackets fixing position



Use hole!



Use slot!



Installation

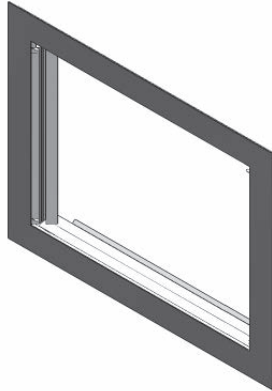
Install Appliance for 3 or 4-Sided Trims and Fronts

The 3-sided trims 1135, 1184 and 4-sided trims 1140v2 are fitted to the appliance once its installation and the wall finish application have been completed.

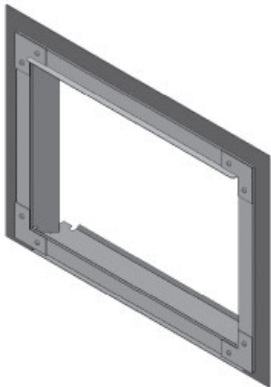
The side brackets provided loose with the appliance are required for those trims and fronts.



1135 3-sided trims



1140 4-sided trims



1184EH Edgemont
Hammered Kit

Hearth considerations

You need to know whether there will be a hearth or not in front of the appliance and some rules must be considered:

Without hearth

In the case where there is no hearth, the bottom of the appliance must be raised at least 4" inches (102 mm) above any combustible floor in front.

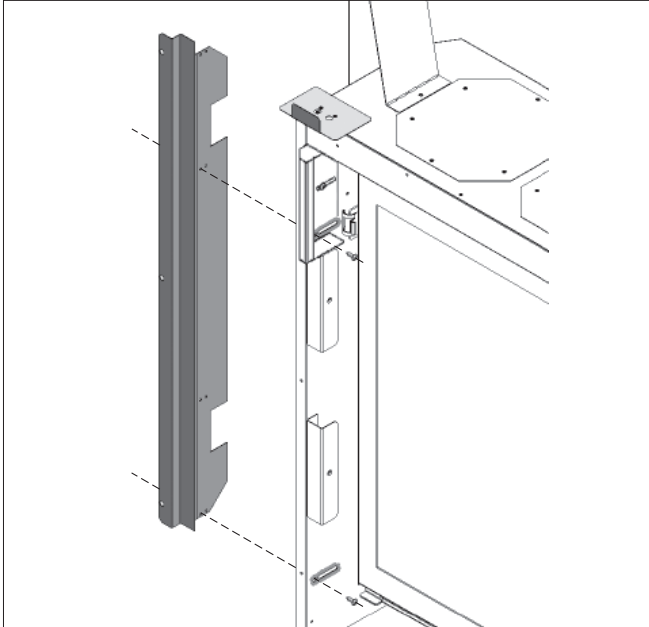
With hearth

- The bottom of the appliance must be installed level with the top of the hearth surface in most cases other than with **the 4-sided trim which hangs 1-1/2" below the bottom of the appliance.**
- Only a non-combustible hearth can be installed in front of the appliance if within 4" vertically of the bottom of the appliance.
- The non-combustible hearth in front of the appliance, if within 4" of the bottom of the appliance, must include the 1/2" *Micore* insulation board provided to be used as thermal break between non-combustible and combustible material underneath.

Installation

Fit Appliance to Framing

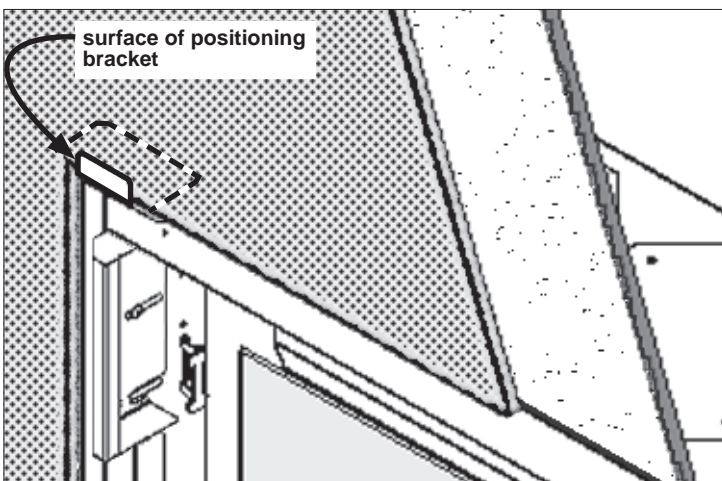
1. Install stud brackets on each side of the appliance (2 screws per bracket). Use the hole or the slot according to the thickness of the wall finish—see page 49.



2. Taking great care not to cut your hands on the sheet metal edges, lift the appliance out of its packing base and place it in the framing. *Make sure that the unit is at the right height with consideration to the height of the hearth or combustible flooring.*

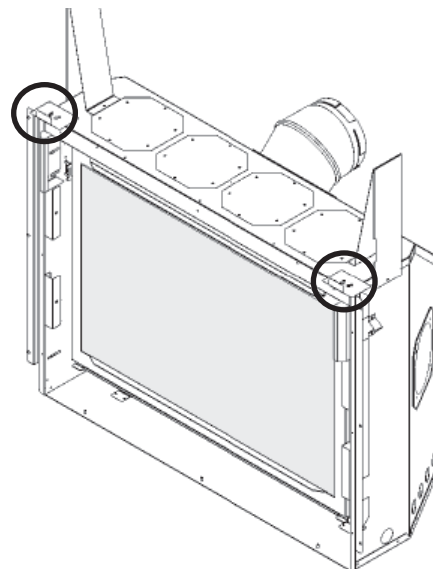
When setting the position of appliance within framing, the front surface of the positioning bracket indicated should always be flush with where you anticipate the finished wall surface to be. Adjust the position of the side brackets to suit.

If in doubt, allow for slightly less material thickness as the trims have additional 3/4" of adjustment.



Complete Installation of Optional HeatShift (if used)

See HeatShift installation instructions pages 73 and subsequent for details.



Install Electrical Wiring (if necessary)

(for optional fan or power adapter kit)

This section provides information to install the electric pre-wiring required for use with the 1195CFK Circulating Fan Kit.

All wiring must be done by a qualified electrician in accordance with local codes or, in the absence of local codes, with the *National Electrical Code, ANSI/NFPA 70* or the *Canadian Electrical Code, CSA C22.1*.

Electrical Requirements

1195CFK—120 V, 60 Hz, less than 1 amp

General Requirements

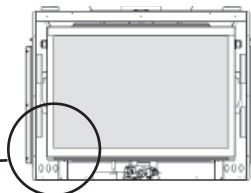
The optional 1195CFK kit includes a three-prong grounded plug to plug into a grounded receptacle, also included with the kit, to be installed within the fireplace enclosure by a qualified electrician.

Installation

Thread the power supply cable through the cable clamp (not provided) and through the hole in the lower left hand side of the fireplace casing. Do not tighten the clamp yet. There is a junction box and receptacle included as part of the 1195CFK fan kit. Refer to installation instructions packed with kit. A speed control is also packed with the kit.

If simply roughing in power at this point, ensure wiring is not live or terminate at this location in a temporary metal junction box using wire nuts to cap wires.

Electrical wiring through the left hand side of the appliance case



Installation

Connect Gas Supply

The gas supply inlet connection is a 3/8" NPT male connector located on the right hand side of the firebox.

The unit is supplied with a stainless steel flex line to allow the appliance to be disconnected for service. An individual shut-off valve (not supplied) is required on the supply line ahead of the flex connector.

Use only new black iron or steel pipes, CSST, or copper tubing if acceptable—check local codes. Note that in USA, copper tubing must be internally tinned for protection against sulfur compounds.

Unions in gas lines should be of ground joint type.

The gas supply line must be sized and installed to provide a supply of gas sufficient to meet the maximum demand of the appliance without undue loss of pressure.

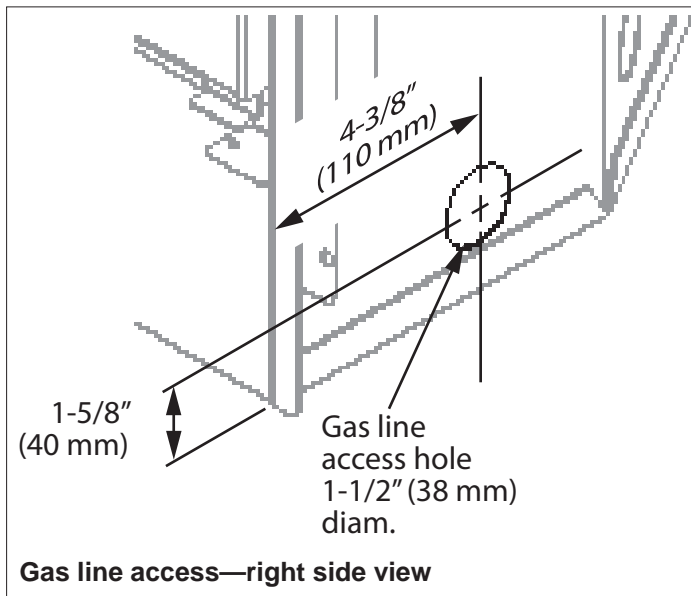
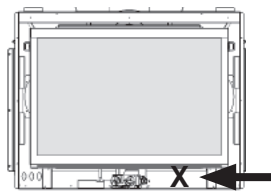
Sealant used must be resistant to the action of all gas constituents including LP gas. Sealant should be applied lightly to male threads to ensure excess sealant does not enter gas lines.

Pressure test the supply line for leaks.

The appliance and its individual shut-off 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 psig (3.5 kPa).

The appliance must be isolated from the gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.5 kPa).

Failure to either disconnect or isolate the appliance during pressure testing may result in regulator or valve damages and void the warranty. Consult your dealer in case of damages.



Pressure Test Points

The minimum supply pressure is given in the section *Specifications* of this manual—page 20.

All piping and connections must be tested for leaks after installation or servicing. All leaks must be corrected immediately.

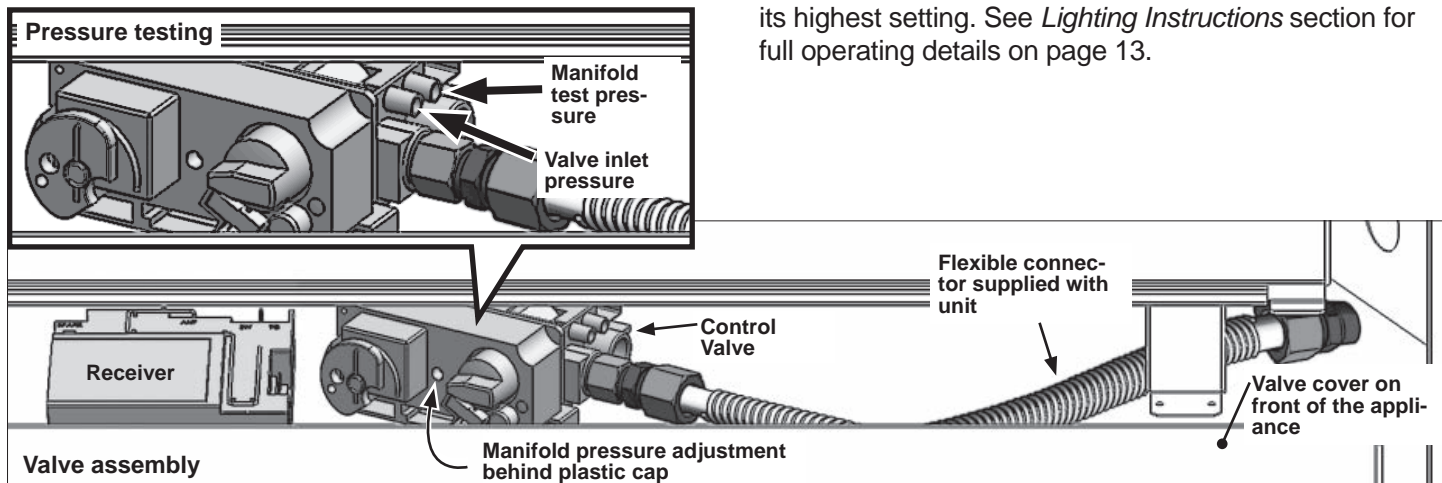
When testing for leaks:

- Make sure that the appliance is turned off.
- Open the manual shut-off valve.
- Test for leaks by applying a liquid detergent or soap solution to all joints. Bubbles forming indicate a gas leak.

**Never use an open flame to check for leaks.
Correct any leak detected immediately.**

The pressure test tapping locations are shown in the figure below. An internal regulator within the valve controls the burner manifold pressure.

The correct pressure range is shown in the table in section *Specifications* of this manual on page 20. The pressure check should be made with the burner alight and at its highest setting. See *Lighting Instructions* section for full operating details on page 13.

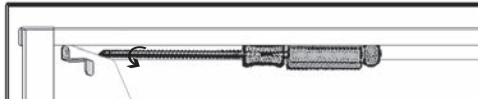


Installation

Install Liners

The following guidelines apply for all liners **with the exception of the 1170RGL Reflective Glass Liners**—see installation manual supplied with liners.

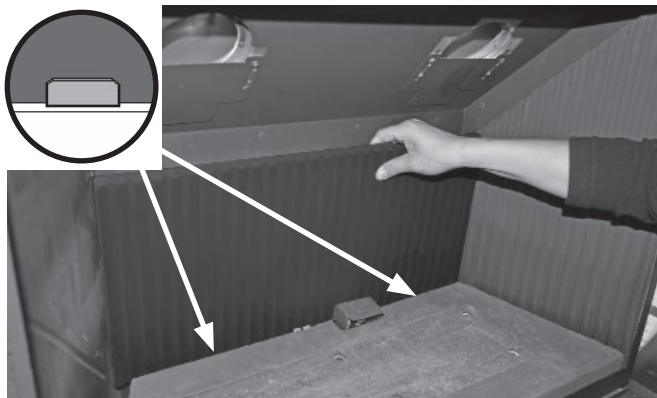
1. Inside the firebox, on the top of each side, release the screw of the side panel anchors if necessary so they can rotate freely (one per side).



2. Insert the bottom of one of the side liner panel between the burner and the side wall and rotate it slightly to insert it totally inside the firebox. Push it gently against the side wall. Rotate the side panel anchor to hold the panel in place.

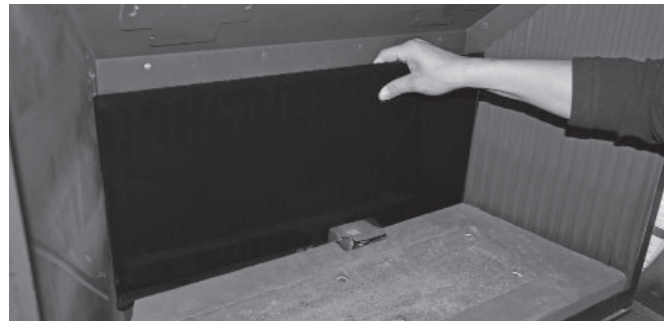


3. Place the rear panel against the back of the firebox behind the rail retainers at bottom and behind the side panel already installed.



Note: If you are installing the optional 1105RGL—Reflective Glass liner panel (with 1125FBL—Fluted Black Liners or 1160PBL—Black Liners),

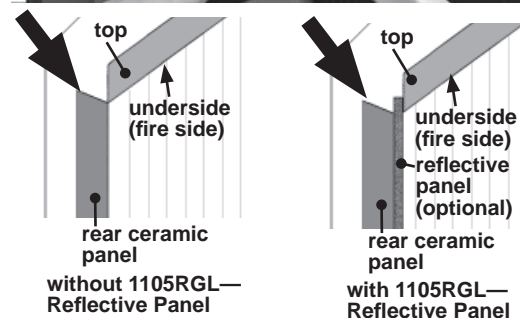
place the reflective panel, smooth side visible, in front of the rear ceramic panel, held in place as well by the bottom rail retainers.



4. Insert the bottom of the other side liner panel between the burner and the side wall and rotate it slightly to insert it totally inside the firebox. Push it gently against the side wall. Rotate the side panel anchor to hold the panel in place.



5. Insert the top panel, beveled edge towards the back of the firebox, on top of one side panel, slide it across to rest on both side panels and rear panel.



Installation

Install Driftwood Kit 1101DWK (1100 models)

Material required

- Long Beach Driftwood Kit, which contains:
 - 3 logs
 - 5 pebbles
 - 1 x 1.5 lb bag of 3/4" grey/black shale
- Gloves, if desired

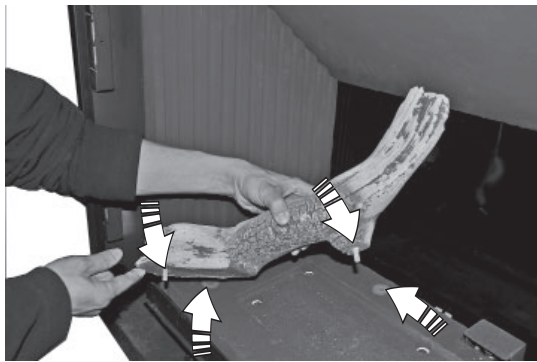
Installation

Logs

Carefully unpack the kit.

Each log has pegs to help you locate them on the ceramic burner platform. Install the logs as shown below.

1. Place the left log on the left side of the ceramic burner inserting the two pegs of the log in the holes of the burner. NOTE: There are two holes for the front peg of this log depending which type of gas is used for the appliance.



Natural gas fire:

Place the log's front peg in the hole closest to the center of the firebox for natural gas fire. The log covers both holes.

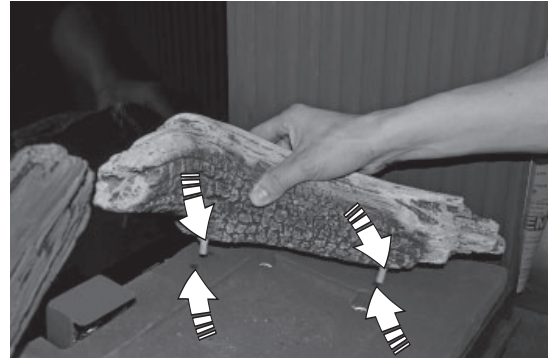


Propane gas fire:

Place the log's front peg in the hole closest to the left side wall for propane gas fires.

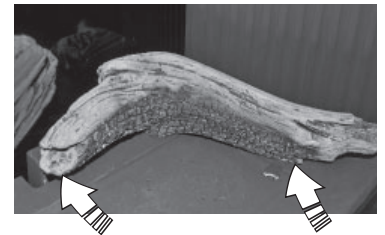


2. Place the right log on the right side of the ceramic burner inserting the two pegs of the log in the holes of the burner. The rear end of the log rests on the pilot shield. NOTE: There are two sets of holes for this log depending which type of gas is used for the appliance.



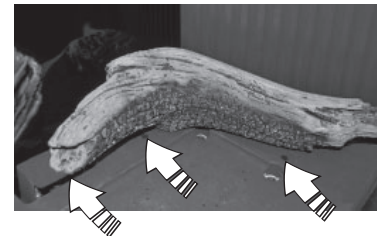
Natural gas fire:

Place the log's pegs in the holes closest to the center of the firebox for natural gas fire.



Propane gas fire:

Place the log's pegs in the holes closest to the right side wall for propane gas fires.



3. Place the center log inserting its front end peg in the hole in the front of the burner and resting its rear end in the slight depression on top of the left log.





- Carefully spread shale in the cavity of the ceramic burner. You can also add some shale on the edge outside of the burner plate cavity.

NOTE: Ensure the area within the pilot shield is clear of shale pieces.

Pebbles

Place the pebbles on the platform as shown below.



WARNING

CHOKING HAZARD! Ensure that the fireplace area is clear of shale particles as these could be ingested by small children. Vacuum area after installation.

Install Decorative Glass Murano 1103DGM (1100 models)

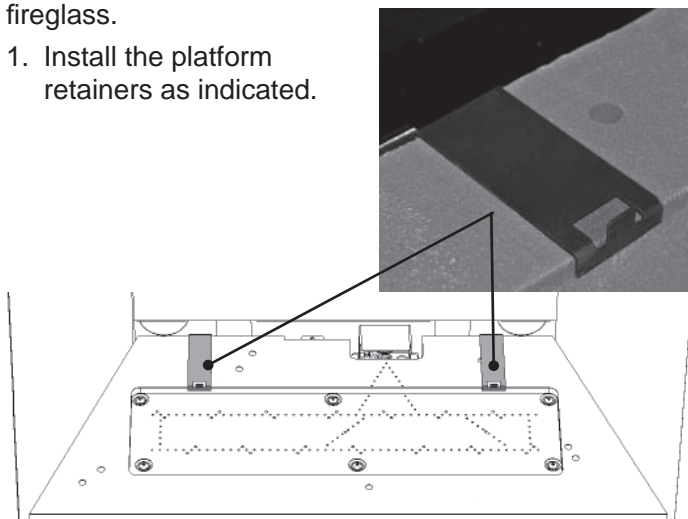
Material required

- Decorative Glass Murano kit, which contains:
 - 1 glass platform
 - 2 platform retainers
 - 1 glass square
 - 1 pilot cover
 - 1 bag of clear 1/2" fireglass
- Gloves (recommended to manipulate glass)

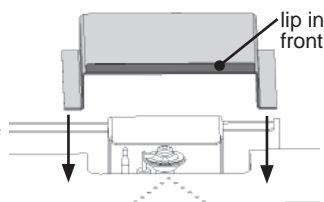
Installation

Carefully unpack the kit. Wear gloves to handle the fireglass.

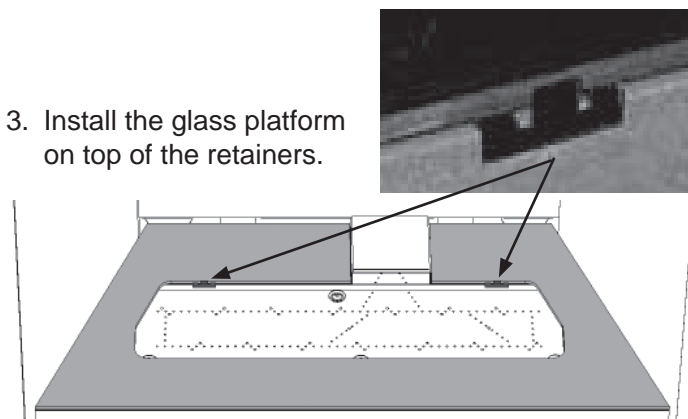
1. Install the platform retainers as indicated.



2. Place the pilot cover on the ceramic burner over the pilot shield. The lip on the top surface goes to the front.



3. Install the glass platform on top of the retainers.

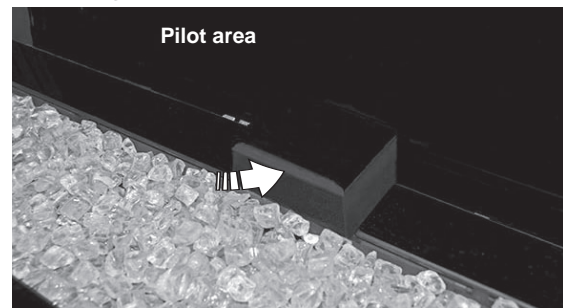


4. Carefully spread the glass on top of the burner within the platform opening.



5. Install the glass square pad on top of the pilot shield.

NOTE: Ensure the area within the pilot shield is clear of glass particles.



IMPORTANT: Use only the fireglass approved for your Valor fireplace or the fireglass brands *American Fireglass™* or *firegear*. Use of other fireglass or crushed glass can damage your fireplace and void the warranty.

WARNING

CHOKING HAZARD! Ensure that the fireplace area is clear fireglass particles as these could be ingested by small children. Vacuum area after installation.

Installation

Install Decorative Glass Set 1104DGS (1100 models)

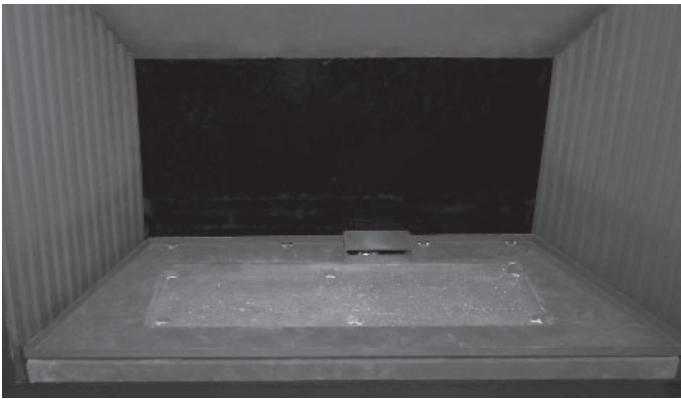
Material required

- Decorative Glass Set, which contains:
 - 1 metal tray
 - 1 pilot cover
 - 3 bags of clear 1/2" fireglass
- Gloves (recommended to manipulate glass)

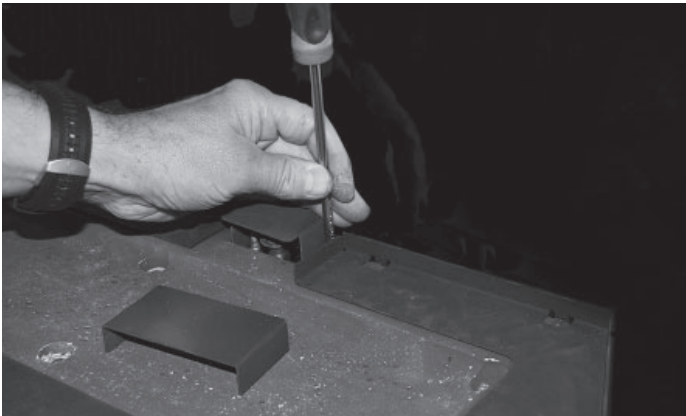
Installation

Carefully unpack the kit. Wear gloves to handle the fireglass.

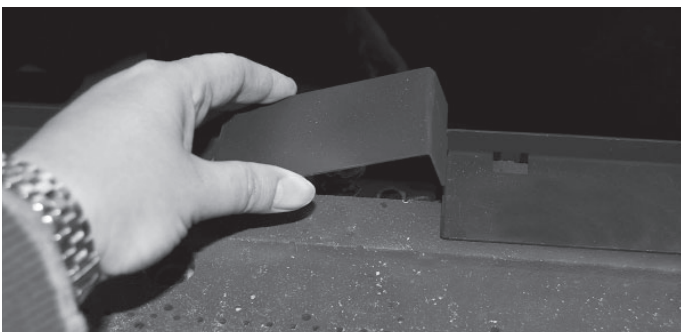
1. Install the metal tray over the ceramic burner.



2. Remove the existing pilot shield (2 screws).



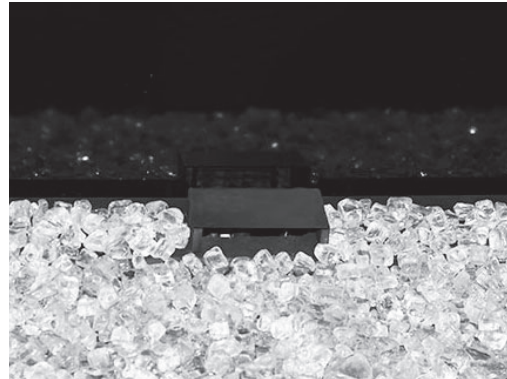
3. Place the pilot cover on top of the metal tray spanning over the pilot cut-out.



4. Carefully fill the metal tray with fireglass, leveling it with the top of the tray's flange.



NOTE: Ensure the pilot area is clear of glass particles.



⚠ WARNING

CHOKING HAZARD! Ensure that the fireplace area is clear fireglass particles as these could be ingested by small children. Vacuum area after installation.

Installation

Install Traditional Logs (1150 models)

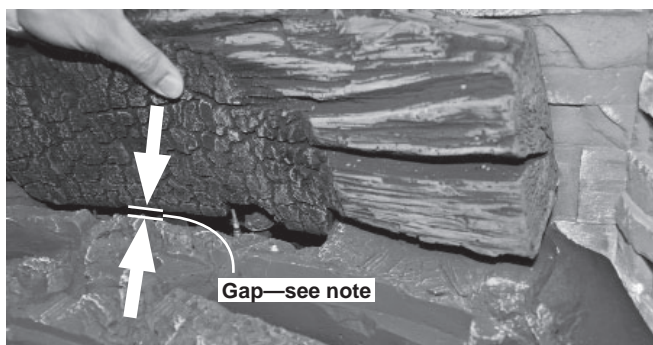
Material required

- Log set included with the appliance, which contains:
 - 8 logs
- Gloves, if desired

Installation

Unpack the ceramic logs very carefully to avoid damaging them. Each log has keys to help you locate them on the ceramic burner platform. Install the logs as shown below. Please note that **the position of the logs is critical to insure proper performance of the appliance.**

1. Place the rear log with its middle part in the notch of the ceramic base. At each end, there is a ridge against which the log rests. The top of the log will be slightly angled forward.

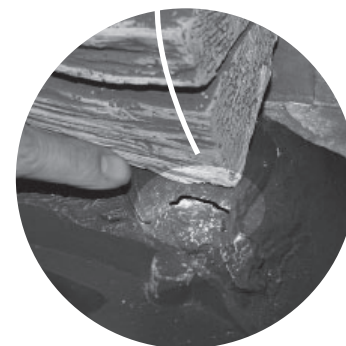
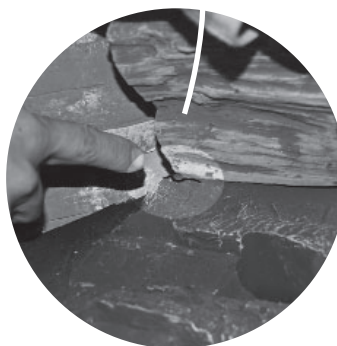
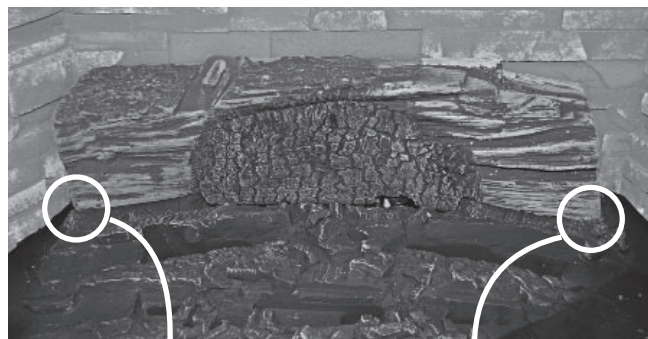


Note: This gap between the rear log and the ceramic burner is critical for proper rear flame appearance. Closing this gap generally produces a taller rear flame while opening up this gap can help eliminate tall stringy flames hitting the roof panel.

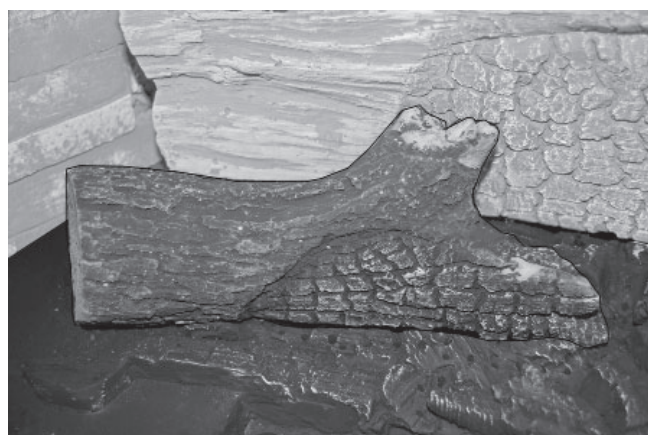
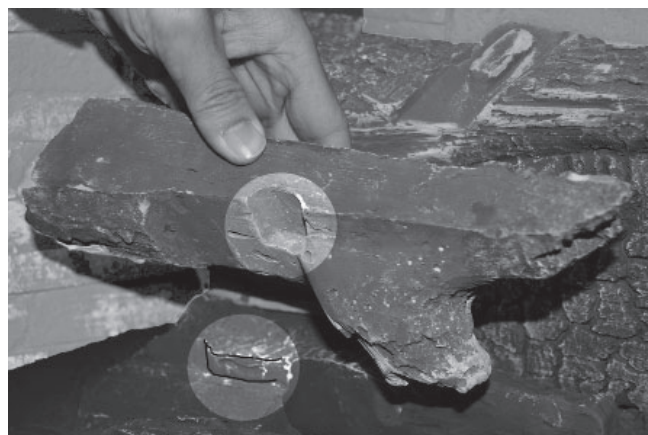
As the vent height affects the rear flame appearance, this gap should be adjusted slightly depending on vent configuration. Rotating the rear log slightly will affect the gap.

For vent configurations with less than 48" rise, the gap should be approximately 1/4" and longer vertical vents should have very little gap if any.

The rear flame appearance can be evaluated soon after the unit is lit but keep in mind the flame will grow somewhat and become much more yellow as the unit warms up. A darkened room also helps when evaluating the flame appearance early on.

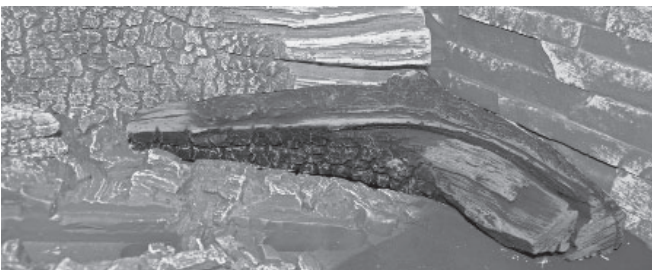
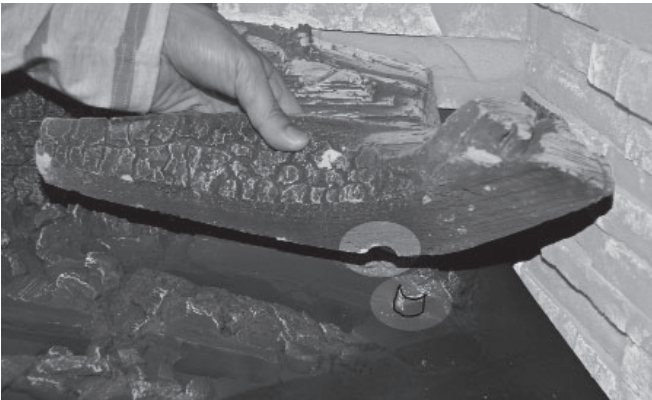


2. Place the left-hand middle log in front of the rear log locating it over the key in the ember bed as indicated. The flat part of the log sits on the platform. The key notch is at the back of the log.

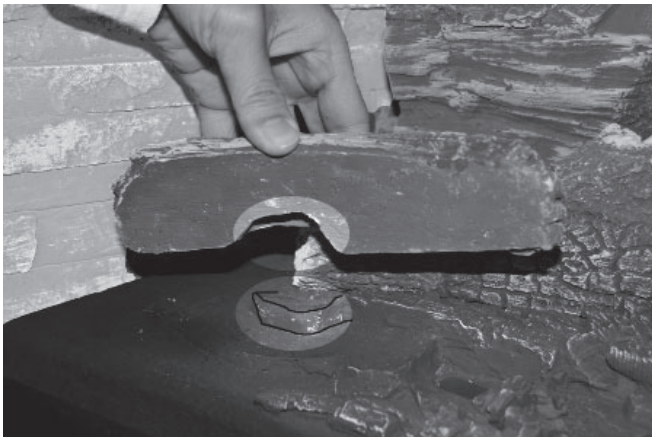


Installation

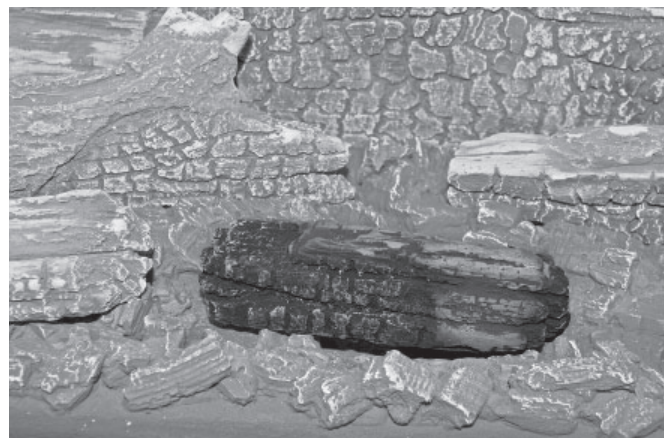
3. Place the right-hand middle log locating its notch on the key in the ember bed as indicated.



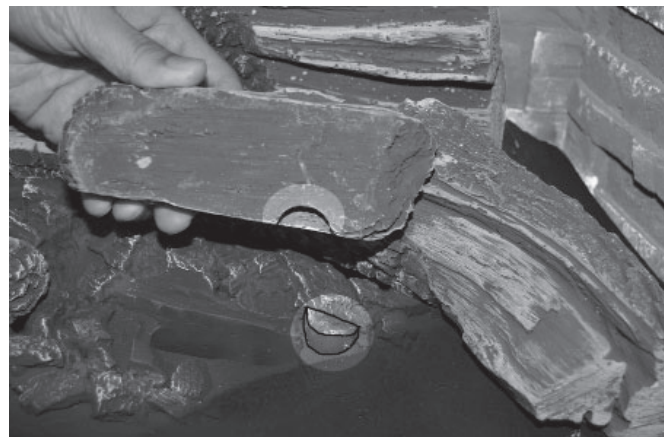
4. Place the left-hand base log on the platform locating it on the key as indicated.



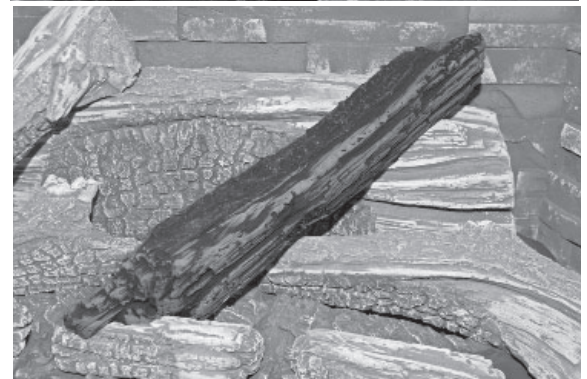
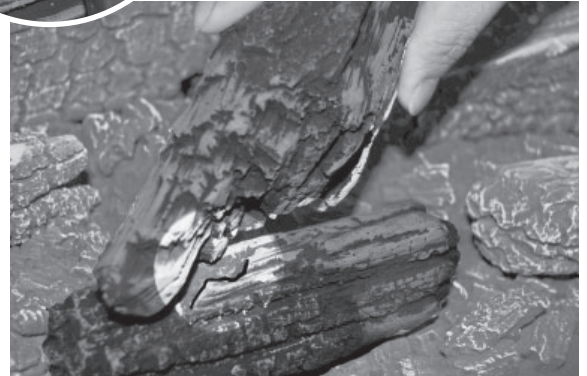
5. Place the center base log locating its notch on the key in the ember bed as indicated.



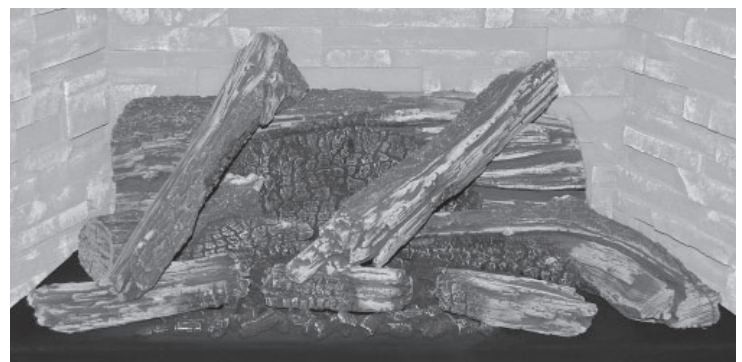
6. Place the right-hand base log locating its notch on the key in the ember bed as indicated.



7. Place the left-hand cross log locating its notch on the key on the top of the rear log as indicated. Rest the front end of the log on top of the left base log as indicated.



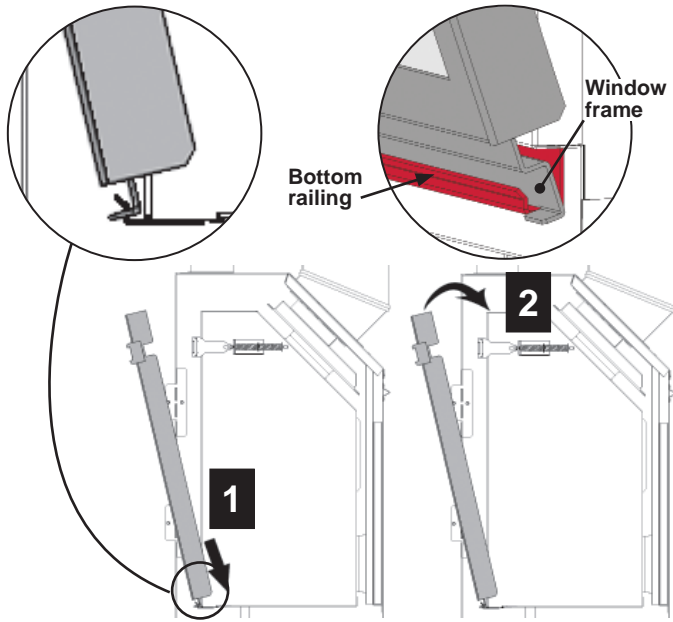
8. Place the right-hand cross log locating its notch on the key on the top of the rear log as indicated. Rest the front end of the log against the key on top of the center base log as indicated.



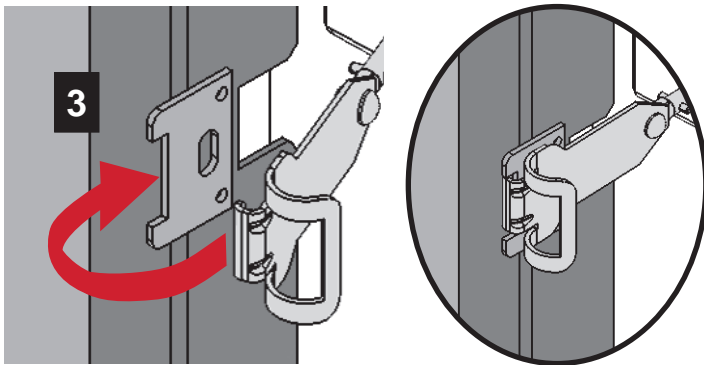
Complete 1150 log set installed

Refit and Check Window

1. Place the window in its bottom railing. **Ensure to remove any vermiculite or glass particles in the railing before installing the window.**
2. Push the top of the window frame against the firebox.



3. While you hold it, pull and hook the side levers back to the window brackets on each side.



4. Apply firm hand pressure around the window frame to ensure the window is sealed tight against the firebox.

⚠ DANGER

The window unit must be correctly installed, fastened and sealed after servicing or serious bodily injury and/or damage to the appliance may result.

To ensure a safe operation:

- Double-check that the bottom of the window frame is correctly installed in the bottom support railing;
- Verify that the levers are hooked properly to the window tabs then;
- Pull out the top of the window and release it to insure the springs return it;
- Ensure the window is sealed before operation.

⚠ WARNING

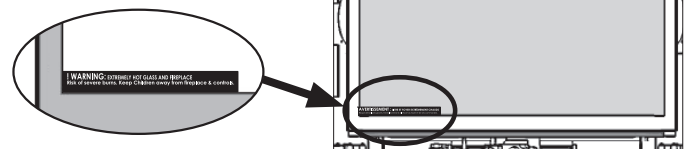
Failure to install the window correctly can leak carbon monoxide, affect the performance of the fireplace, damage components, cause overheating resulting in dangerous conditions. Damage caused by incorrect window installation is not covered by the Valor warranty.

5. If the Hot Glass Warning plate has been removed from the front lower corner of the window, reinstall it by sliding it between the glass and the frame as indicated.

! WARNING: EXTREMELY HOT GLASS AND FIREPLACE
Risk of severe burns. Keep Children away from fireplace & controls.

AVERTISSEMENT : VITRE ET FOCIER EXTREMEMENT CHAUDS
Risque de brûlures graves. Tenir les enfants à l'écart de la cheminée et des commandes.

Hot Glass Warning Plate



Installation

Install Remote Battery and Wall Switch Kit RBWSK (required)

The Remote Battery and Wall Switch Kit is provided with this appliance. It is connected to the receiver in the fireplace.

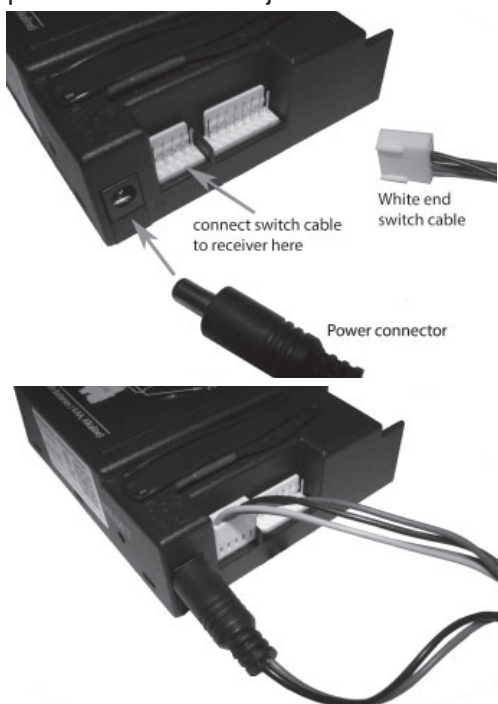
Material required

- 4 AA 1.5V alkaline batteries supplied with the engine
- Remote Battery and Wall Switch Kit, which contains:
 - 1 Wall Switch
 - 4 Long Screws
 - 1 Battery Holder
 - 1 Plate with magnets
 - 1 Battery Cover assembly
 - 1 Harness assembly - 35 ft
 - 1 Junction Box
 - 1 Cover plate and Screws
 - 1 Cable tie

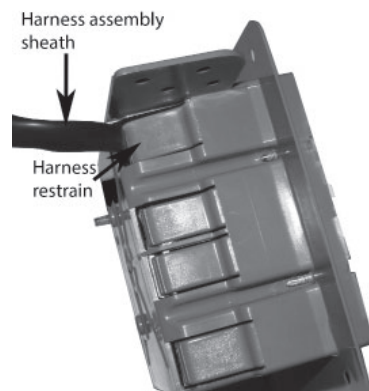
Installation

The receiver is located on the left side of the appliance, left of the control valve behind the appliance's front panel. It is maintained in position with *Velcro* bands.

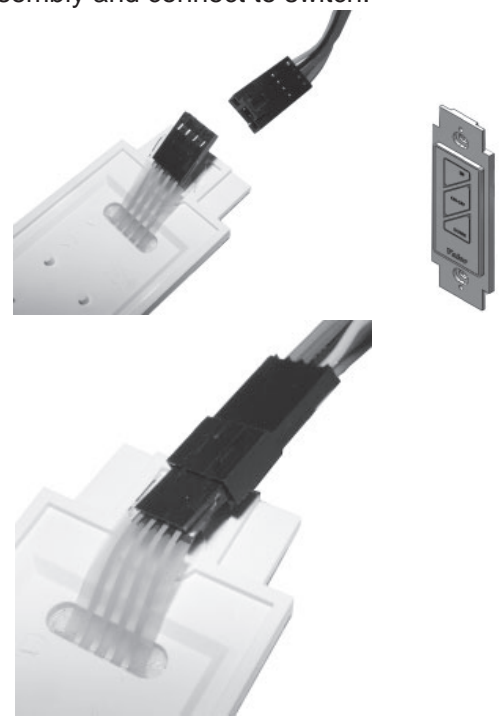
1. Pull out the receiver from its location to connect the battery holder and wall switch.
2. Feed the 'white connector end' of the harness assembly through side holes in fireplace liner body to receiver. Ensure sufficient harness length to allow for removal of receiver. Note - coil up any extra harness at fireplace end.
3. Connect switch to auxillary 5-pin junction and power connection to jack.



4. Run harness assembly to mounted position of junction box, securing harness to framing using insulated staples (not included)
5. Feed harness assembly through a restrain on rear of junction box, feeding through until harness sheath is pinched by retainer and providing sufficient length to make connection to rear of switch and battery holder.



6. Secure junction box to the mounting surface using appropriate fasteners (not included)
7. Align molex connection on switch cable of harness assembly and connect to switch.

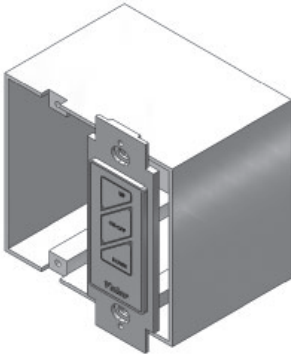


CAUTION

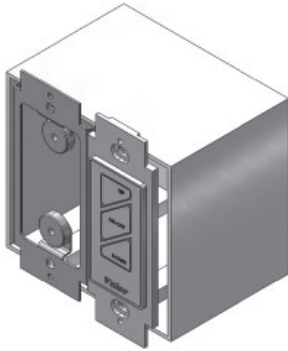
Do not run the switch wire over the top of the firebox. Route the wire so it does not contact the firebox.

Installation

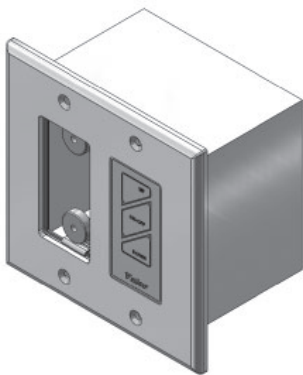
8. Mount switch plate to junction box with 2 long screws provided. Note: switch position left or right to suit homeowner wishes.



9. Locate and secure magnet plate using 2 'long' screws provided

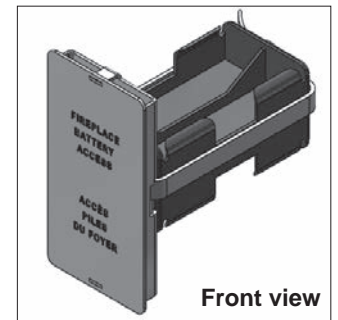
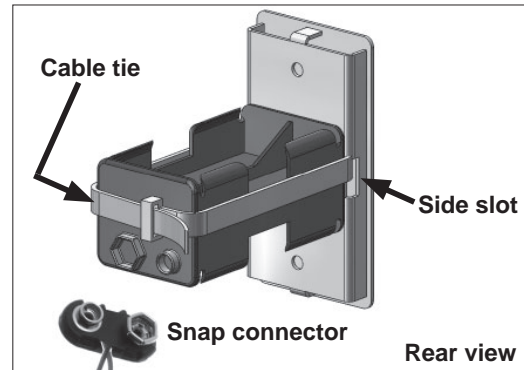


10. Place and secure cover plate to box using 4 screws provided



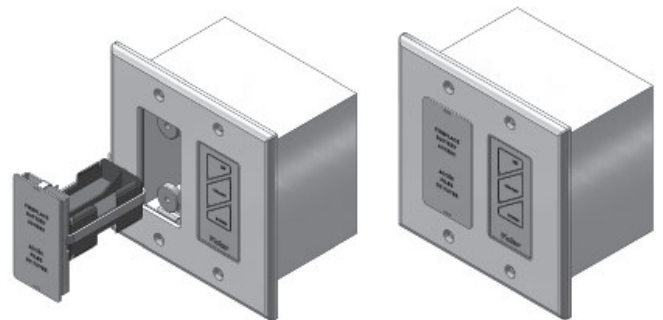
11. Feed cable tie through the 2 side slots of battery cover assembly.

12. Position battery holder to rear face and secure together with cable tie. note clearance is required for battery snap connection.



13. Make the snap connection, load 4 AA alkaline batteries into holder (included with fireplace) then feed back into junction box assembly.


Note: Do not put batteries in the receiver, only in the battery holder by the wall switch.



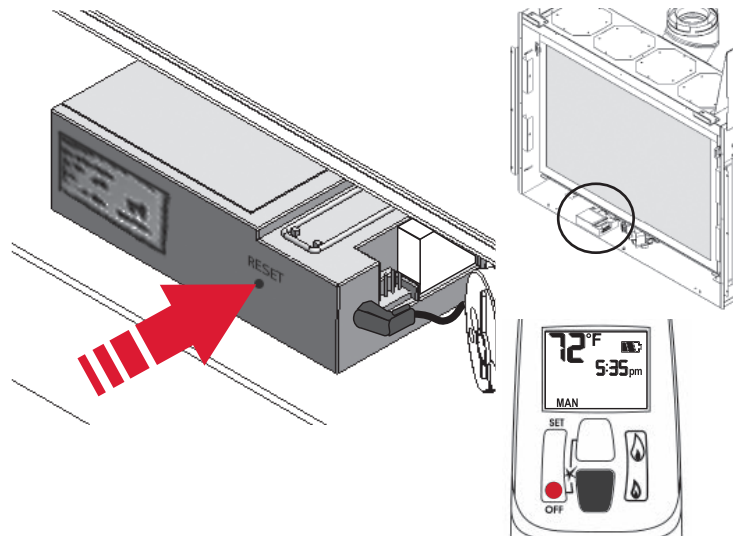
14. Test the operation of the wall switch—see page 13.

Initialize Remote Control

The receiver and the handset of the remote control system must be initially synchronized before the first use.

1. Insert one 9 V **alkaline** battery in the handset.
2. Locate the Reset button on the top side of the receiver.
3. With a sharp object, press and hold the receiver's reset button until you hear one short and one long beeps. Release the reset button after the second beep.
4. Within the subsequent 20 seconds, press the (small flame button ()) on the remote handset until you hear two short beeps confirming the synchronization is set.

This is a one time setting only and is not required when changing the batteries in the remote battery holder. The remote control system is now ready to use.



Check Operation

Turn the fireplace flame up and down using the remote control to confirm that the full range of inputs is achieved—see the remote control operation instructions on pages 8–11.

Adjust Aeration if needed

Light the fire and allow the unit to warm up for 10–15 minutes to evaluate the flame picture. The burner is equipped with an adjustable shutter to control primary aeration. The shutter is factory-set to an aeration gap which will give optimum performance for the vast majority of installations.

Depending of the fuel bed used, altitude and other considerations, the flame picture may be improved by adjusting the aeration. The need for adjustment should be determined only by operating the appliance with the fuel bed, panels and window installed and evaluating the flame picture after a 15-minute warm-up.

Increasing aeration will cause the flames to appear more transparent and blue showing more ceramic effects glow.

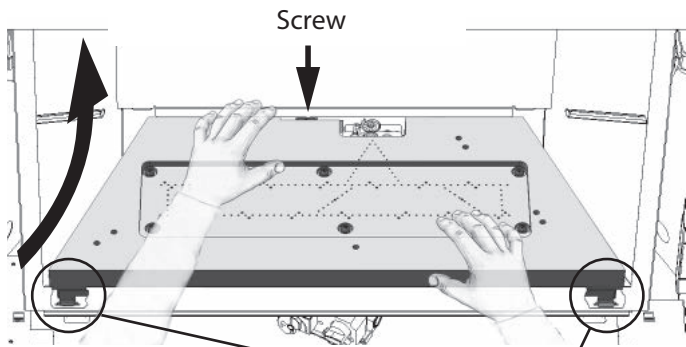
Decreasing aeration will cause the flames to appear more yellow or orange showing less ceramic effects glow.

Too little aeration may result in black carbon forming on logs or roof panel and dropping into the firebox.

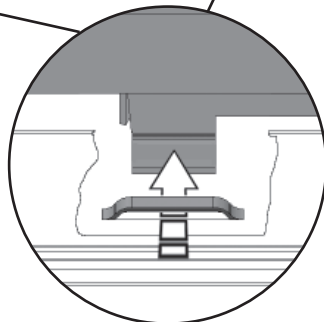
Air Shutter

The air shutter is located under the ceramic fuel bed at the back. To access the air shutter, very carefully remove the ceramic fuel bed.

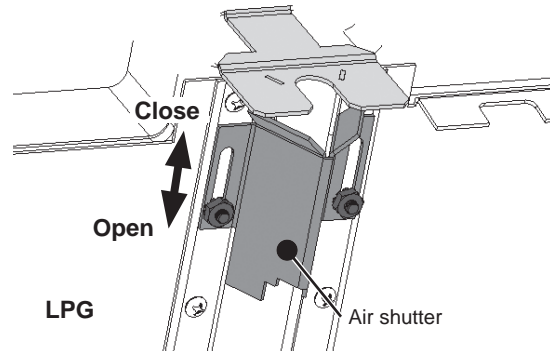
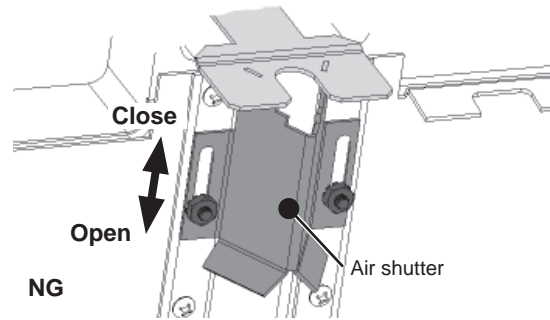
1. Remove the screw fixing the rear of the burner to the manifold bracket as indicated.



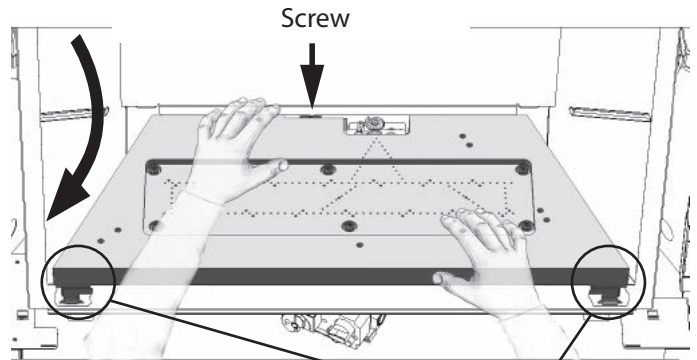
2. Grab the burner and gently pull up the rear first while pushing back and unhooking the front tabs from their retaining lances. **Be careful not to hook the pilot hood as you pull the burner up.**



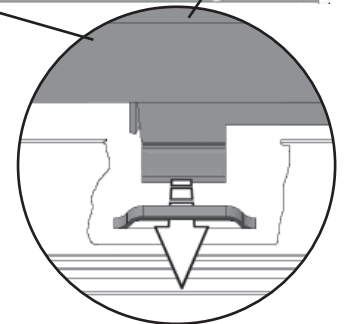
3. Loosen the air shutter screws, adjust and re-tighten.



4. To reinstall the burner, fit the burner in the firebox inserting the front tabs first in the lances.



Note: Ensure that the front of the burner is well hooked when re-installing!
Again, be careful not to hook the pilot hood when fitting the burner over the pilot.



5. Fix the burner to the manifold bracket at the rear with screw.

Installation

Install Trim and Barrier Screen

Install the trim chosen by the customer for their fireplace. Install as well the barrier screen which is provided with the trim.

Show the customer how to remove the barrier screen to access the controls.

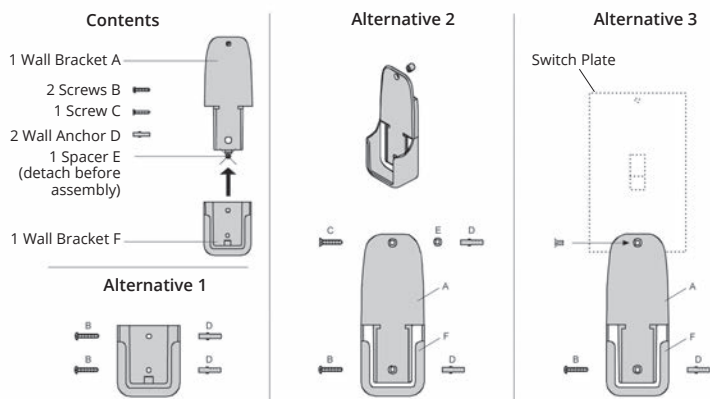
Follow the instructions provided with the trim and leave those instructions behind for the customer's further reference.

Install Remote Control Handset Wall Holder

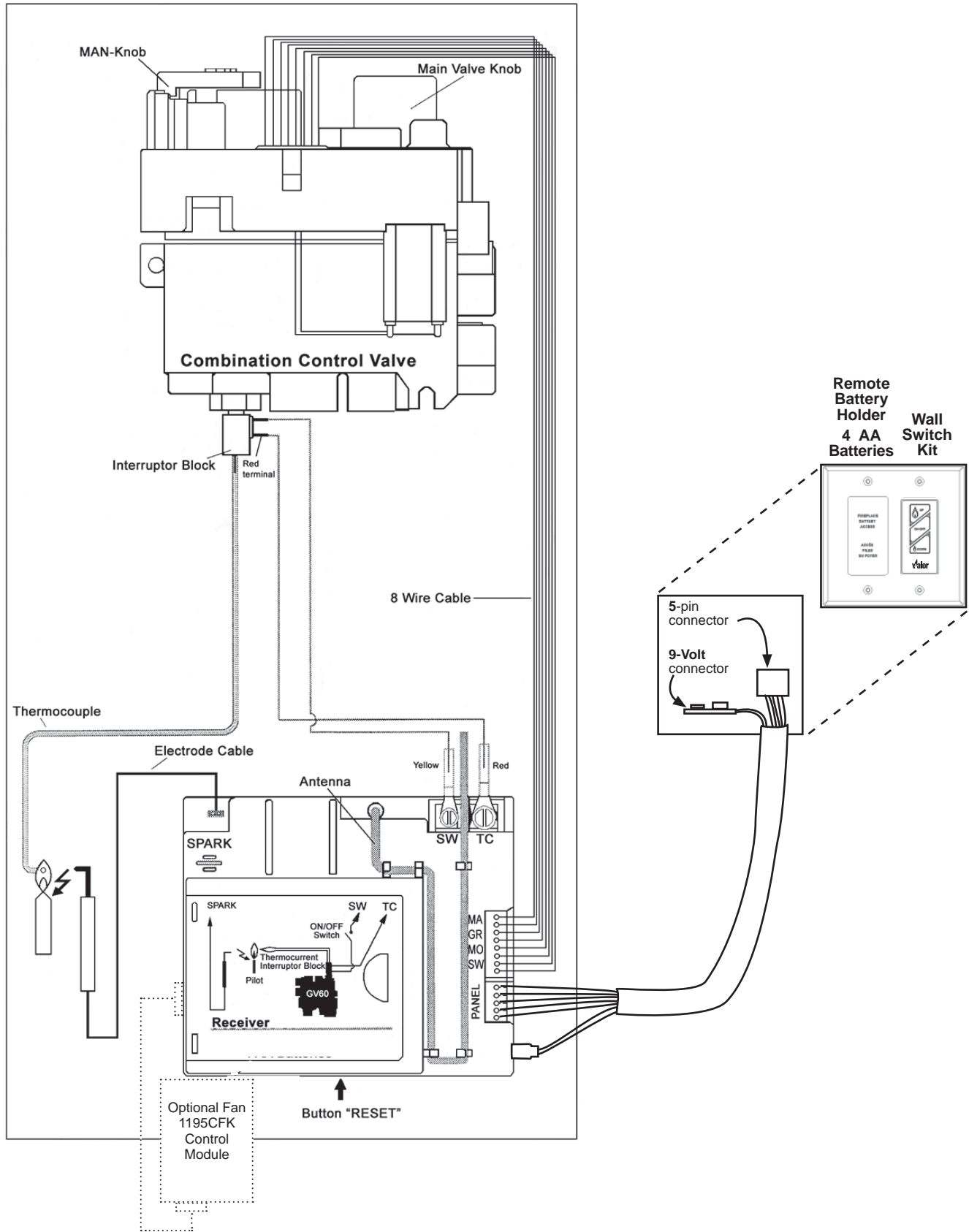
The remote control kit for this fireplace comes complete with a wall-mounted holder. This holder is not required in all installations but is provided as an optional feature for those customers who wish to mount the remote handset to the wall.

To install the holder to the wall, find a convenient location and use the hardware provided with the kit. See the diagram below for required hardware and configurations. Note that the holder can be installed at the base of a light switch plate.

IMPORTANT. The location of the remote control handset is important to assure proper temperature regulation. To obtain a constant temperature, we recommend that the handset should be between 3 and 15 feet away from the appliance **but not directly above it**. We also advise that the handset should be located away from any other heat source and not in direct sunlight as this may affect the temperature sensor located in the remote handset.





Wiring Diagram



GV60 Wiring Diagram

Approved Venting Components

**QUALIFIED
INSTALLER**

Approved Direct Vent Suppliers for Valor Models 1100 ⁶ , 1150 ⁶ , 1400, 1500, and 1600 ⁵										
 		Venting Parts Code / availability by Manufacturer								
		DURA-VENT	SELKIRK	ICC EXCEL DIRECT	SECURE VENT	RLH INDUSTRIES	AMERIVENT	MILES INDUSTRIES	BDM	
Venting Parts Description										
Termination Caps	Horizontal	Standard Co-axial	46DVA-HC	4DT-HC	TM-4HT	—	—	4DHC round	658DVK2	940160
		Deluxe Co-axial	—	—	TM-4RHT	—	—	4DHCS square	—	940160
		High Wind Co-axial	—	—	—	SV4CHC	—	—	—	—
	Vertical	Standard Co-axial	46DVA-VC	4DT-VT	—	—	HSDV4658-1313	4DVC	—	940264
								4DH-1313		940364
								—		940206LP
		High Wind Co-axial	46DVA-VCH	—	TM-4SVT	SV4CGV	—	—	—	—
		Extended Co-axial	46DVA-VCE	—	—	—	—	—	—	—
		Co-linear	46DVA-CL33 46DVA-CL34 46DVA-CL33H 46DVA-33P 46DVA-CL34P	—	TM-IVT	3PDVCV	HS-C33U-99	HCL-99-33	559CLT	940033B
								HCL-913-33		940034B
HCL-1313-33	940033HWS									
Snorkel, 14" Rise	46DVA-SNK14	4DT-ST14	TM-4ST14	—	—	—	4D14S	—	94040614	
Snorkel, 36" Rise	46DVA-SNK36	4DT-ST36	TM-4ST36	—	—	—	4D36S	—	94040636	
Vent Adapters	Co-axial-to-Co-linear Adapter	46DVA-GCL 46DVA-GCL34 46DVA-CLAA 46DVA-34CLAA	ADT-AAC	TM-4CAA	—	—	4DCAB33	1156CLA ⁵	940106433	
	Co-linear-to-Co-axial Adapter	46DVA-GK 46DVA-CT 46DVA-CLTA 46DVA-34CLTA	ADT-CTB	TM-4CTA	—	—	4DCAT33	—	—	
	DV to B-Vent Adapter	—	—	—	—	—	—	DVA5BV ⁶	—	
Aluminum Flexible Liner	3" or 4" diameter	NOTE: 2-ply liner approved to CAN/ULC S635 suitable for venting gas appliances. As manufactured by Z-Flex, Flexmasters or others.								
		2280 Series	AF3-35L AF4-35L	TM-ALK33 TM-ALK43 TM-ALT33 TM-ALT43	—	—	—	—	952703 952704	
Adjustable Pipe Length and Pipe Extensions 4" x 6-5/8"	Galvanized or Black	46DVA-08A 46DVA-08AB (3" to 7")	4DT-ADJ 4DT-ADJ(B)	—	—	—	—	4D7A or 4D7AB (3" to 5")	—	94610608 (4" to 8-1/2")
	Galvanized or Black	46DVA-16A 46DVA-16AB (3" to 14-1/2")	ADT-AJ12 ADT-AJ12B (4" to 10")	TC-4DLS1 TC-4DLS1B	SV4LA SV4LBA	—	—	4D12A or 4D12AB (3" to 10")	—	94610616 (4" to 16")
	Galvanized or Black	46DVA-17TA 46DVA-17TAB (11" to 17")	ADT-TL14 ADT-TL14B (14" to 22")	TC-4DLS2 TC-4DLS2B (1-7/8" – 21")	SV4LA12 SV4LBA12	—	—	4D16A or 4D16AB (3" to 14")	—	—
	Galvanized or Black	46DVA-24TA 46DVA-24TAB (17" to 24")	ADT-TL38 ADT-TL38B (38" to 70")	TC-4DLA30 TC-4DLA30B (16.5" – 29")	SV4LA24 SV4LBA24	—	—	4D26A or 4D26AB (3" to 24")	—	—
	Coaxial Flex	46DVA-48FF 46DVA-120FF	—	—	—	—	—	—	—	—
DV 45° Elbows	Galvanized	46DVA-E45	—	TE-4DE45	—	—	—	4D45L	—	94620645
	Black	46DVA-E45B	—	TE-4DE45B	SV4EBR45	—	—	4D45LB	—	94620645B
	Galvanized Swivel	—	4DT-EL45	—	SV4E45	—	—	—	—	—
	Black Swivel	—	4DT-EL45(B)	—	SV4EB45	—	—	—	—	—
DV 90° Elbows	Galvanized	46DVA-E90	—	TE-4DE90	—	—	—	4D90L	—	—
	Black	46DAV-E90B	—	TE-4DE90B	SV4EBR90	—	—	4D90LB	—	—
	Galvanized Swivel	—	4DT-EL90	—	SV4E90	—	—	—	—	94620690
	Black Swivel	—	4DT-EL90(B)	—	SV4EB90	—	—	—	—	94620690B

Approved Venting Components

Venting Parts Description			Venting Parts Code / availability by Manufacturer							
			DURA-VENT	SELKIRK	ICC EXCEL DIRECT	SECURE VENT	RLH INDUSTRIES	AMERIVENT	MILES INDUSTRIES	BDM
Pipes 4" x 6-5/8" (ID x OD)	6" long	Galvanized	46DVA-06	4DT-06	TC-4DL6	SV4L6	—	—	—	94610606
		Black	46DVA-06B	4DT-06(B)	TC-4DL6B	SV4LB6	—	—	—	90410606B
	7" long	Galvanized	—	—	—	—	—	4D7	—	—
		Black	—	—	—	—	—	4D7B	—	—
	9" long	Galvanized	46DVA-09	4DT-09	TC-4DL9	—	—	—	—	94610609
		Black	46DVA-09B	4DT-09(B)	TC-4DL9B	—	—	—	—	94610609B
	12" long	Galvanized	46DVA-12	4DT-12	TC-4DL1	SV4L12	—	4D12	—	94610612
		Black	46DVA-12B	4DT-12(B)	TC-4DL1B	SV4LB12	—	4D12B	—	94610612B
	18" long	Galvanized	46DVA-18	4DT-18	—	—	—	—	—	94610618
		Black	46DVA-18B	4DT-18(B)	—	—	—	—	—	94610618B
	24" long	Galvanized	46DVA-24	4DT-24	TC-4DL2	SV4L24	—	4D2	—	94610624
		Black	46DVA-24B	4DT-24(B)	TC-4DL2B	SV4LB24	—	4D2B	—	94610624B
	36" long	Galvanized	46DVA-36	4DT-36	TC-4DL3	SV4L36	—	4D3	—	94610636
		Black	46DVA-36B	4DT-36(B)	TC-4DL3B	SV4LB36	—	4D3B	—	94610636B
	48" long	Galvanized	46DVA-48	4DT-48	TC-4DL4	SV4L48	—	4D4	—	94610648
		Black	46DVA-48B	4DT-48(B)	TC-4DL4B	SV4LB48	—	4D4B	—	94610648B
Flashings	Roof Flashing 0/12-6/12		46DVA-F6	4DT-AF6	TF-4FA	SV4FA	—	4DF (0/12-5/12)	—	949606012
	Roof Flashing 7/12-12/12		46DVA-F12	4DT-AF12	TF-4FB	SV4B	—	4DF12 (6/12-12/12)	—	949606712
	Flat Roof Flashing		46DVA-FF	—	TF-4F	SV4F	—	—	—	949606001
	Masonry Flashing		—	—	TF-4MF	—	—	—	559FSK	—
	New Siding Flashing		—	—	—	—	—	—	658NSFK	—
Various Venting System Parts	Wall Thimble		46DVA-WT	4DT-WT	TM-4WT	SV4RSM	—	4DWT	—	949064U
	Storm Collar		46DVA-SC	4DT-SC	TM-SC	SV4AC	—	4DSC	—	94960608
	Decorative Plate		46DVA-DC	4DT-CS	TM-4TR TM-4TP	SV4PF	—	4DFPB	—	94940612
	Cathedral Ceiling Support		46DVA-CS	4DT-CCS	TM-4SS	—	—	4DRSB	—	949506KT
	Ceiling Firestop / Floor Support		46DVA-FS	4DT-FS	TM-4RDS	SV4BF	—	4DFSP	—	94980612
					TM-CS	SV4SD				
	Attic Radiation Shield / Firestop		—	ADT-AIS	TM-4AS	—	—	4DAIS12 (12")	—	94930620A
								4DAIS36 (36")		
	Wall Strap		46DVA-WS	4DTWS	TM-WS	—	—	4DWS	—	949164
	Vinyl Siding Standoff		46DVA-VSS	4DT-VS	TM-VSS	SV4VS	—	4DHVS	—	94800615S
Elbow Strap / Offset Support		46DVA-ES	4DT-OS	TM-OS	—	—	—	—	949264	
Terminal Guard		46DVA-WG	—	TM-HTS	—	—	—	845TG	940164SHRD	
				TM-RHTS				658TG		

- Notes:**
1. Follow instructions supplied with each manufacturer's components.
 2. Unless otherwise specified, all the parts and assemblies from the above table are to be used with 4" x 6-5/8" pipes.
 3. **Do not mix components from different vent manufacturers.**
 4. Termination caps manufactured by RLH Industries or American Metal Products are from Homestyle Chimney Collection and can be ordered in one of the following finishes: a) aluminium; b) black powder coated; c) solid copper.
 5. Miles Industries Valor Co-linear adapter 1156CLA cannot be used with models 1600. Use only with models 1100, 1150, 1400, 1500 and 1700.
 6. The DVA5BV DV to BV adapter can ONLY be installed on the listed models 1100/1150.

State of Massachusetts Carbon Monoxide Detector/Vent Terminal Signage Requirements

For all side wall horizontally vented gas fueled equipment installed in every dwelling, building or structure used in whole or in part for residential purposes, including those owned or operated by the Commonwealth and where the side wall exhaust vent termination is less than seven (7) feet above finished grade in the area of the venting, including but not limited to decks and porches, the following requirements shall be satisfied:

1. INSTALLATION OF CARBON MONOXIDE

DETECTORS. At the time of installation of the side wall horizontal vented gas fueled equipment, the installing plumber or gas fitter shall observe that a hard wired carbon monoxide detector with an alarm and battery back-up is installed on the floor level where the gas equipment is to be installed. In addition, the installing plumber or gas fitter shall observe that a battery operated or hard wired carbon monoxide detector with an alarm is installed on each additional level of the dwelling, building or structure served by the side wall horizontal vented gas fueled equipment. It shall be the responsibility of the property owner to secure the services of qualified licensed professionals for the installation of hard wired carbon monoxide detectors.

a. In the event that the side wall horizontally vented gas fueled equipment is installed in a crawl space or an attic, the hard wired carbon monoxide detector with alarm and battery back-up may be installed on the next adjacent floor level.

b. In the event that the requirements of this subdivision can not be met at the time of completion of installation, the owner shall have a period of thirty (30) days to comply with the above requirements; provided, however, that during said thirty (30) day period, a battery operated carbon monoxide detector with an alarm shall be installed.

2. APPROVED CARBON MONOXIDE DETECTORS.

Each carbon monoxide detector as required in accordance with the above provisions shall comply with NFPA 720 and be ANSI/UL 2034 listed and IAS certified.

3. **SIGNAGE.** A metal or plastic identification plate shall be permanently mounted to the exterior of the building at a minimum height of eight (8) feet above grade directly in line with the exhaust vent terminal for the horizontally vented gas fueled heating appliance or equipment. The sign shall read, in print size no less than one-half (1/2) inch in size, "GAS VENT DIRECTLY BELOW. KEEP CLEAR OF ALL OBSTRUCTIONS".

4. **INSPECTION.** The state or local gas inspector of the side wall horizontally vented gas fueled equipment shall not approve the installation unless, upon inspection, the inspector observes carbon monoxide detectors and signage installed in accordance with the provisions of 248 CMR 5.08(2)(a)1 through 4.

(b) **EXEMPTIONS:** The following equipment is exempt from 248 CMR 5.08(2)(a)1 through 4:

1. The equipment listed in Chapter 10 entitled "Equipment Not Required To Be Vented" in the most current edition of NFPA 54 as adopted by the Board; and

2. Product Approved side wall horizontally vented gas fueled equipment installed in a room or structure separate from the dwelling, building or structure used in whole or in part for residential purposes.

(c) MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM PROVIDED.

When the manufacturer of Product Approved side wall horizontally vented gas equipment provides a venting system design or venting system components with the equipment, the instructions provided by the manufacturer for installation of the equipment and the venting system shall include:

1. Detailed instructions for the installation of the venting system design or the venting system components; and

2. A complete parts list for the venting system design or venting system.

(d) MANUFACTURER REQUIREMENTS - GAS EQUIPMENT VENTING SYSTEM NOT PROVIDED.

When the manufacturer of a Product Approved side wall horizontally vented gas fueled equipment does not provide the parts for venting the flue gases, but identifies “special venting systems”, the following requirements shall be satisfied by the manufacturer:

1. The referenced “special venting system” instructions shall be included with the appliance or equipment installation instructions; and
2. The “special venting systems” shall be Product Approved by the Board, and the instructions for that system shall include a parts list and detailed installation instructions.

(e) A copy of all installation instructions for all Product Approved side wall horizontally vented gas fueled equipment, all venting instructions, all parts lists for venting instructions, and/or all venting design instructions shall remain with the appliance or equipment at the completion of the installation.

HeatShift™ System

Planning Installation: H5–H6 with HeatShift®

Instructions for use with the following **Valor Heater Models: 1100J, 1150J, 1400J and 1400K**
Incompatible with earlier models 1100I, 1150I and 1400I

Application

The HeatShift™ System™ redistributes the warm air flow away from the fireplace opening to a more desirable location using natural convection without use of a fan.

Plenums LKD1, LDK3 or LDK4: the warm air flow is relocated to a position higher up the wall, out the sidewalls, or even to an adjacent room.

Termination Plates LDK7: the warm air flow is discharged through a gap (min. 2-1/2") between the wall above the fireplace and the ceiling. **LDK7's discharge opening must be located in the same room as the fireplace.**

The result is much cooler wall temperatures above the fireplace opening for locating televisions, artwork, etc.

The 1195CFK Circulating Fan Kit is not recommended when installing the HeatShift System.

Any kit, LDK1, LDK3, LDK4 or LDK7 may be used with any of the model fireplaces H5 or H6 listed above.

As a further option, the warm airflow may be extracted away from the duct kit plenum (**LDK1 and LDK4 ONLY**) by connecting a 1270RBK Remote Blower Kit to the duct kit plenum.

This kit is compatible with the listed fireplaces only. Earlier version fireplaces will not accept the addition of this kit.

Note: These instructions are to be used in conjunction with instructions regarding fireplace installation in this manual.

WARNING

All fireplaces listed above require the removal of the internal convection baffle for this system to function properly—read instructions carefully!

The use of this kit will permit lower mantel clearances to be used—see *Combustible Mantel Clearances* in this Appendix. These lower mantel clearances **must ONLY be used when the HeatShift system is installed and the internal convection baffle has been removed.**

Approvals

The LDK1, LDK3, LDK4 and LDK7 duct kits are CSA approved for use only with Valor Series fireplaces listed above—DO NOT use with any other models.

This HeatShift system may also be used to reduce wall surface temperatures on approved outdoor installations.

5-inch diameter duct used with this kit must be metal and meet requirements of UL-181 Class 1 Air Duct. Flexible aluminum duct is acceptable provided it meets the UL-181 Class 1 requirements.

WARNING

DO NOT cover or place objects in front of or on top of air outlet(s). AVOID locating outlet within 7 feet above floor level as discharge temperatures are hot!

WARNING

When placing discharge close to ceilings, staining or streaking may occur on light colored ceilings due to any dust, etc. in air flow; placing plenum(s) lower on the wall will help reduce the possibility of staining or streaking.

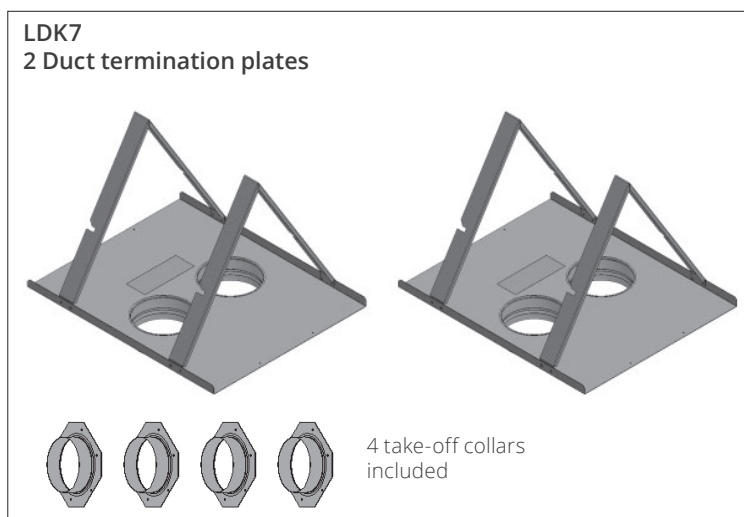
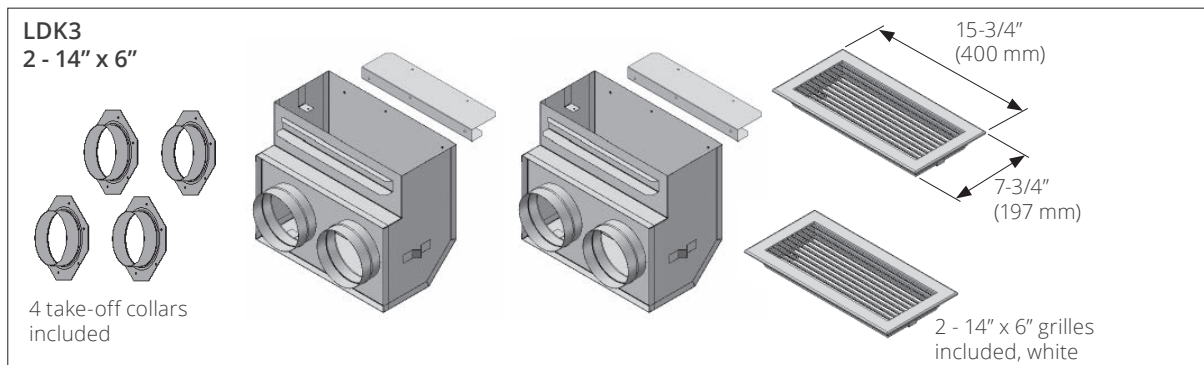
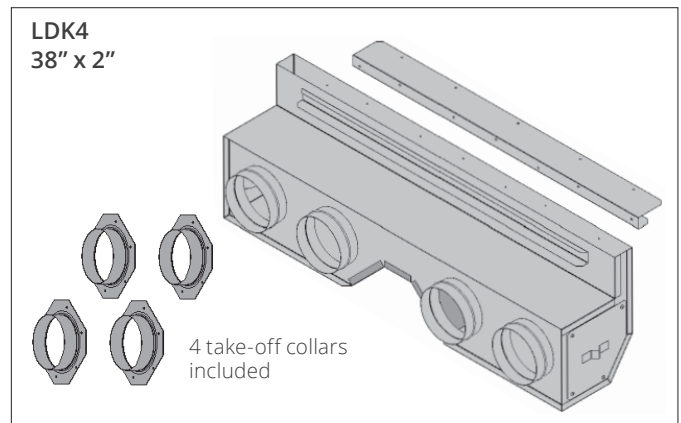
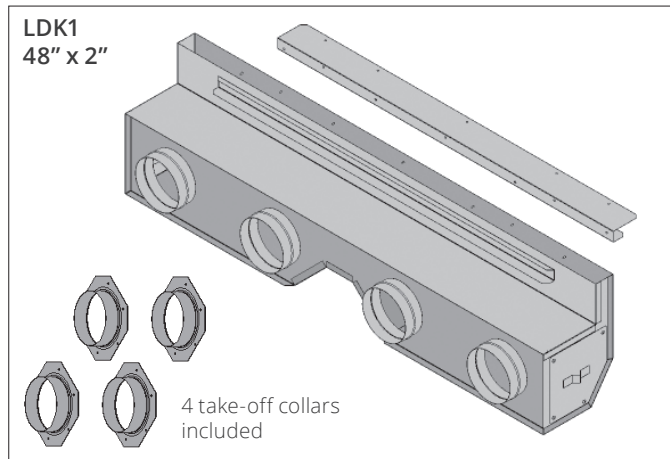
HeatShift System

Kits

There are 4 kits to choose from:

- LDK1—48" Plenum
- LDK3—14" Plenums (2), includes grilles
- LDK4—38" Plenum
- LDK7—Duct Termination Plates (2)—for wall valance discharge ONLY

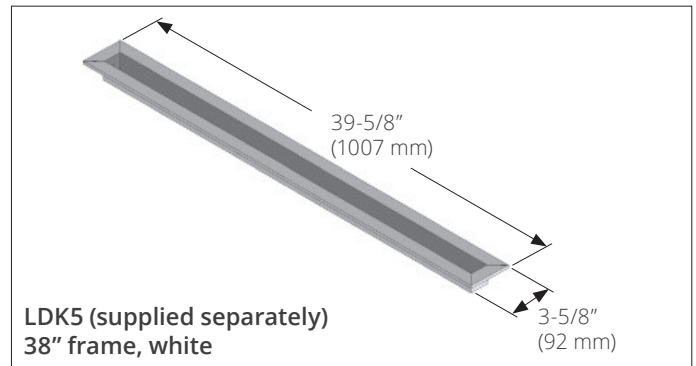
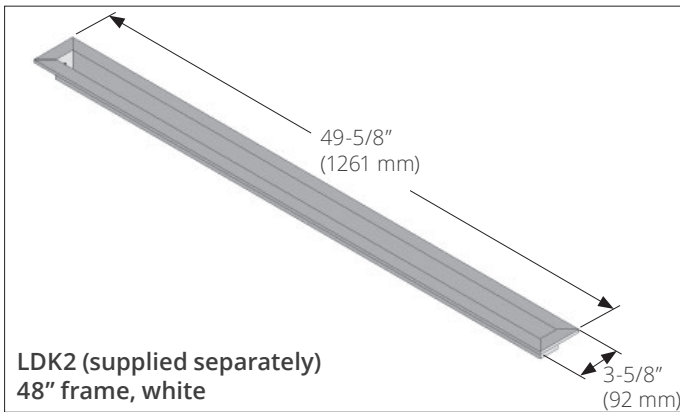
Kits Contents



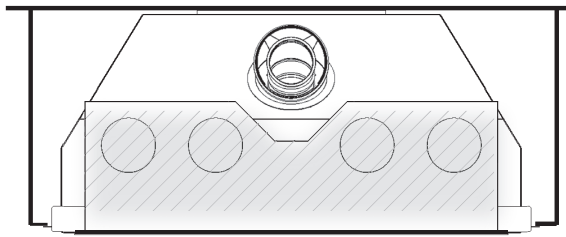
Optional accessories

- LDK2—48" Finishing Frame, to use with LDK1
- LDK5—38" Finishing Frame, to use with LDK4
- LDK6— 5" dia Aluminum 2-ply Flex Kit—
2 x 10'-0" lengths, may be cut to required length

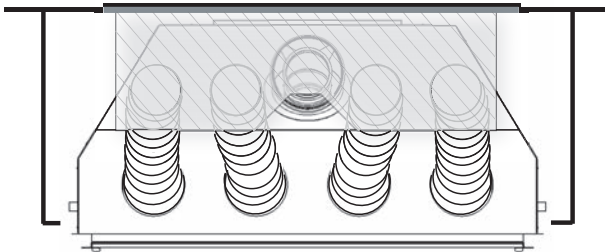
Kits Contents



Suggested Configurations Not to scale

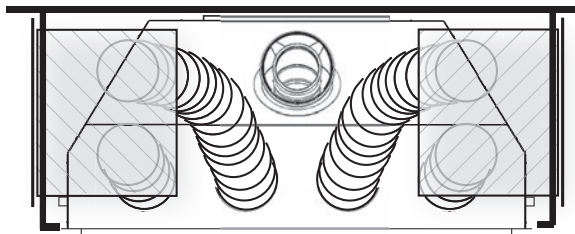


Front wall outlet using LDK1 or LDK4

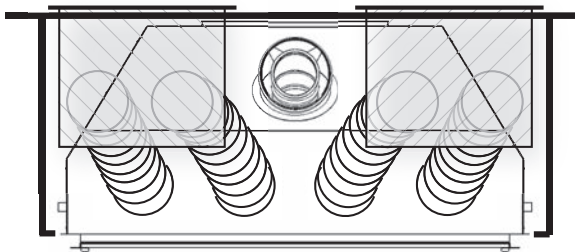


Rear wall outlet using LDK1 or LDK4

Note: Fireplace vent may conflict with plenum. Offset vent around plenum.

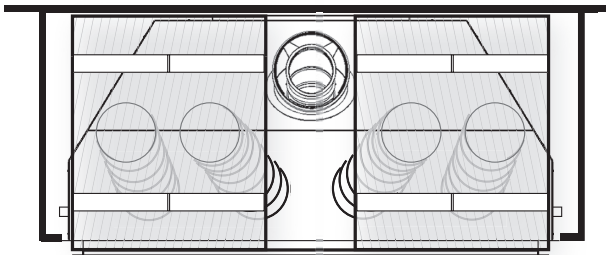


Side wall outlets using LDK3



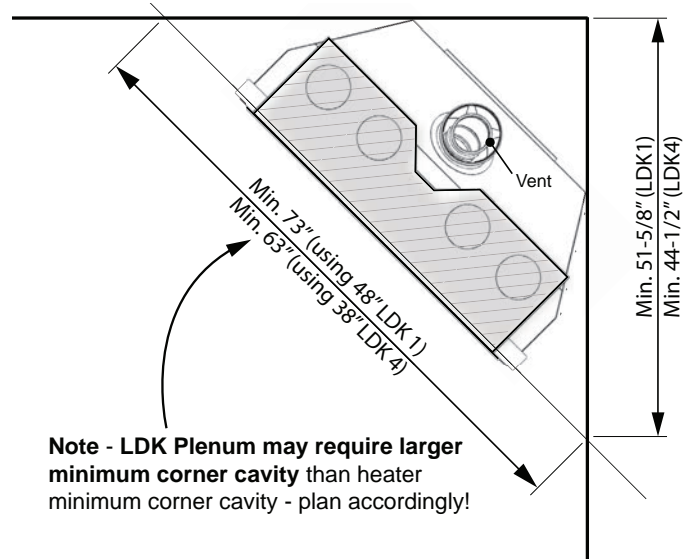
Rear wall outlets using LDK3

Note - When using LDK7, the discharge opening must be located in the same room as the fireplace



With LDK7

Corner installations



Note - LDK Plenum may require larger minimum corner cavity than heater minimum corner cavity - plan accordingly!

⚠ WARNING

The plenum duct kits are approved for horizontal discharge ONLY. The termination duct plates are approved for vertical upward discharge ONLY. DO NOT install plenum or termination plates in floor or ceiling. DO NOT COVER OR PLACE objects in front of or on top of air outlet(s). AVOID locating outlet within 7 feet of the floor level as discharge air temperatures are hot!

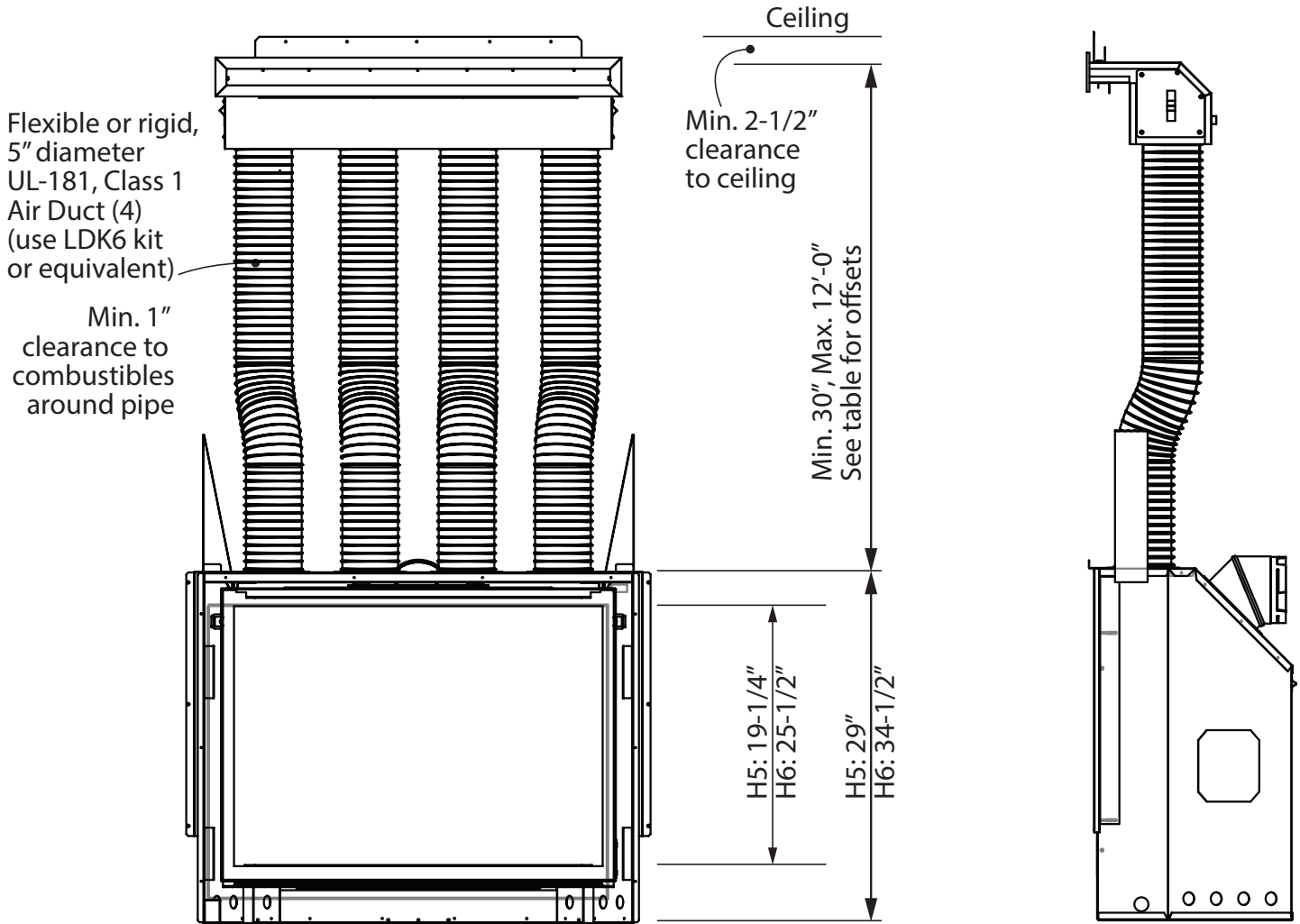
DO NOT DISCHARGE THROUGH EXTERIOR WALLS!

NOTE This duct kit may also be used for outdoor installations where reduced wall surface temperatures above the unit are desired. The discharge grilles must be located under the weatherproof enclosure described in the GV60CKO Outdoor Fireplace Conversion Kit instructions.

HeatShift System

**QUALIFIED
INSTALLER**

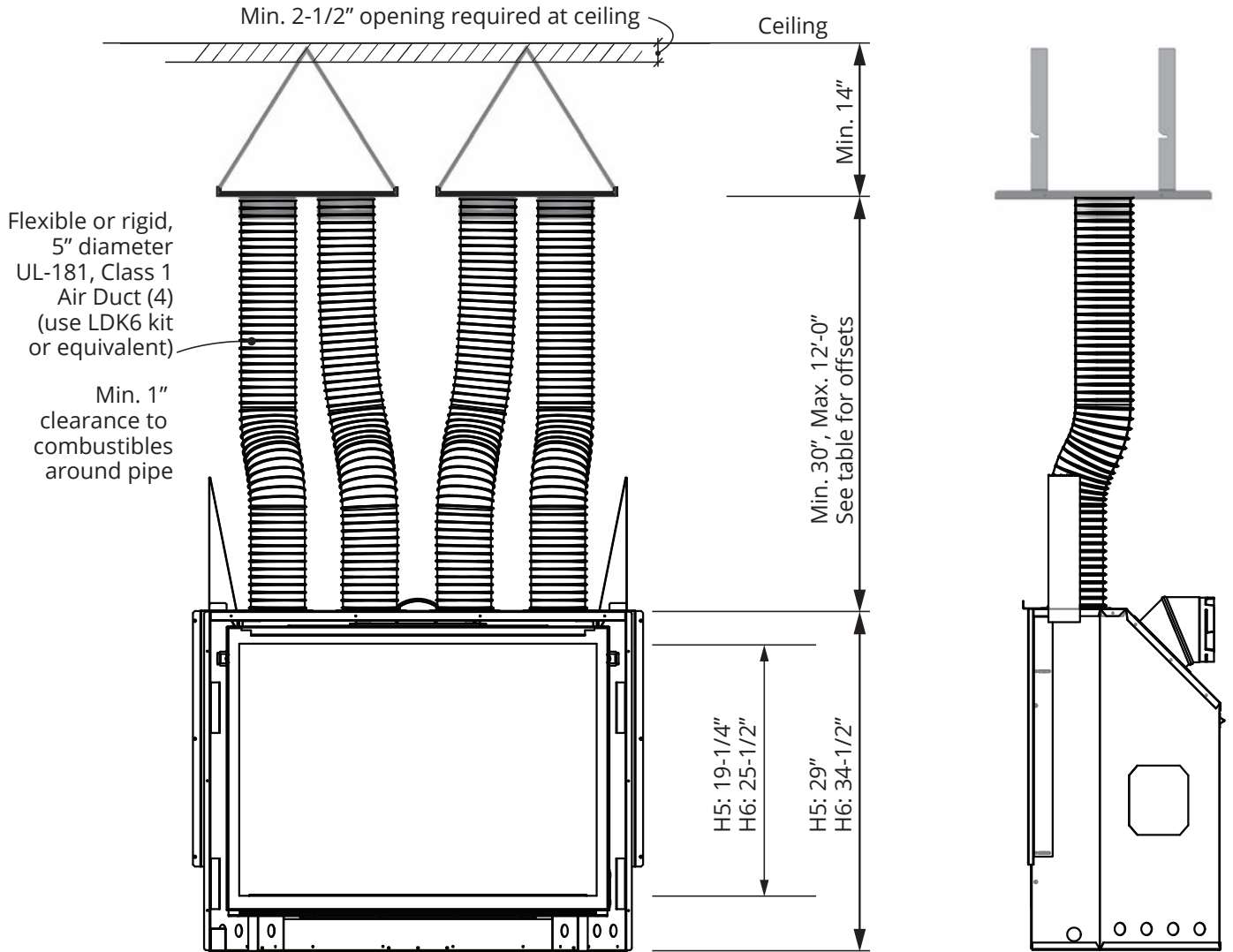
Overview (applies to LKD1, LDK3 and LDK4 kits)



HeatShift System

Overview (applies to LDK7)

NOTE Discharge opening must be located in the same room as fireplace when using LDK7.

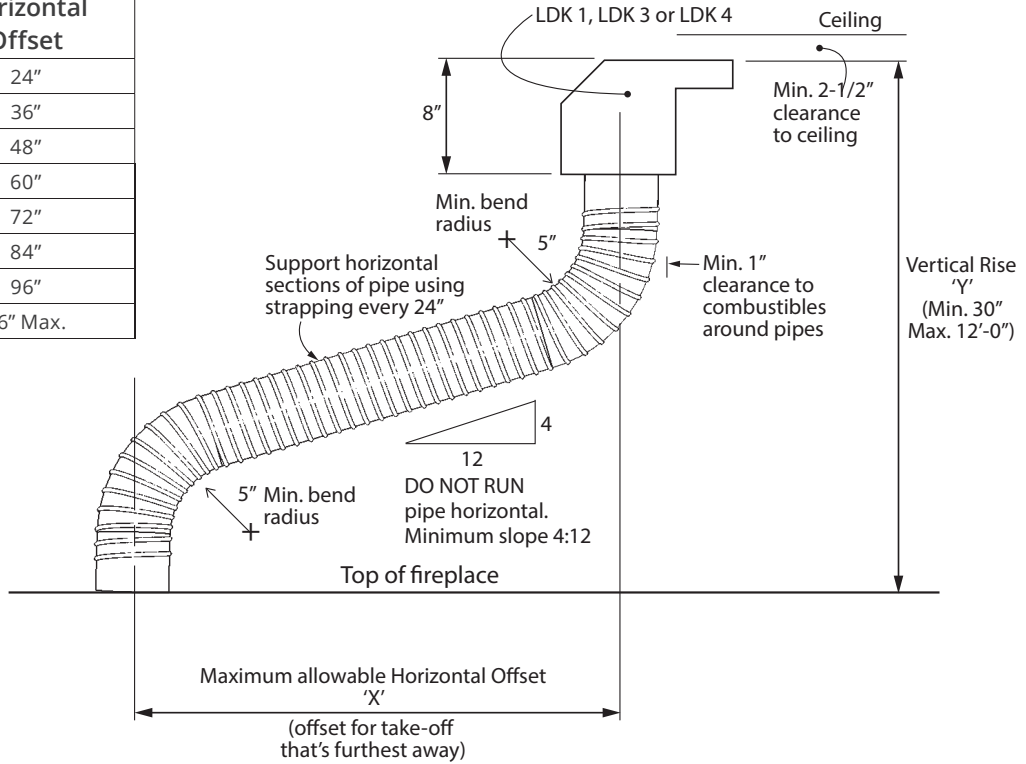


HeatShift System

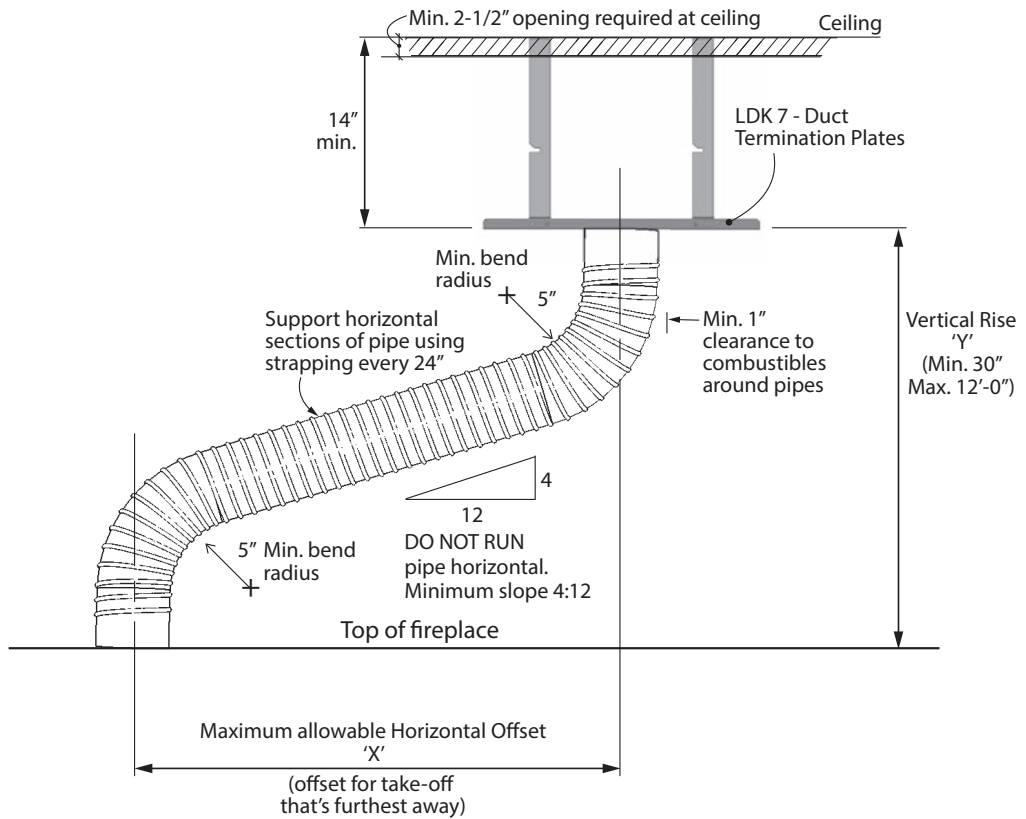
**QUALIFIED
INSTALLER**

Y Vertical Rise	X Max. Allowable Horizontal Offset
30"	24"
36"	36"
42"	48"
48"	60"
54"	72"
60"	84"
66"	96"
12'-0"	96" Max.

With Plenum



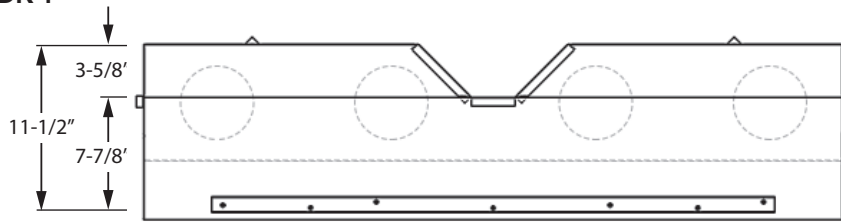
With Plates



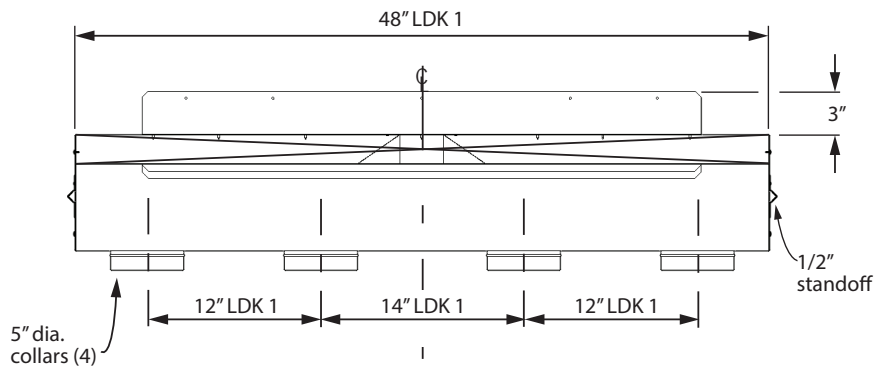
HeatShift System

Plenum Dimensions

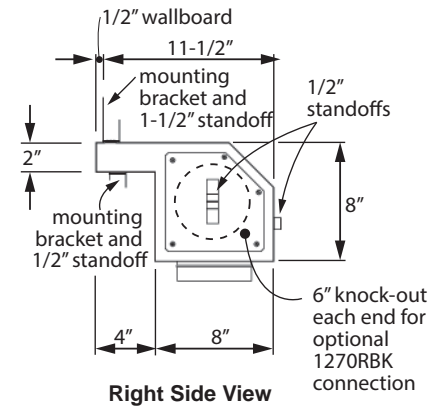
LDK 1



Top View

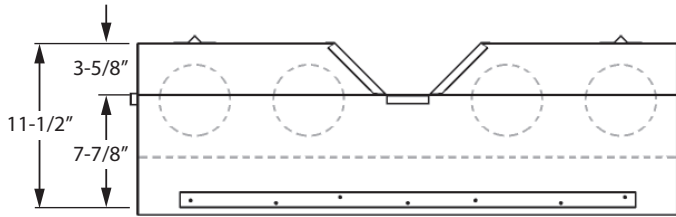


Front View

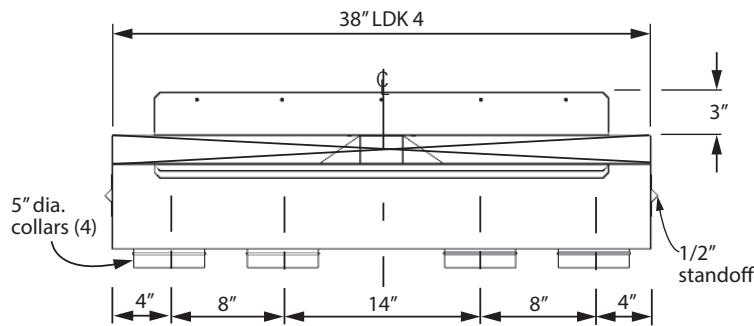


Right Side View

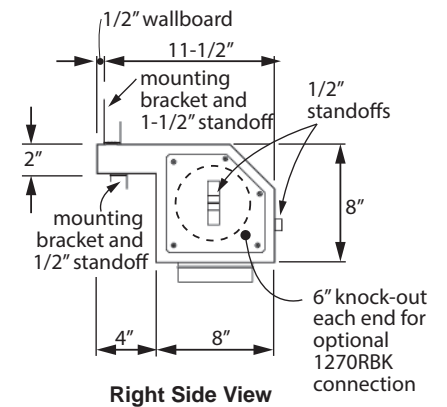
LDK 4



Top View



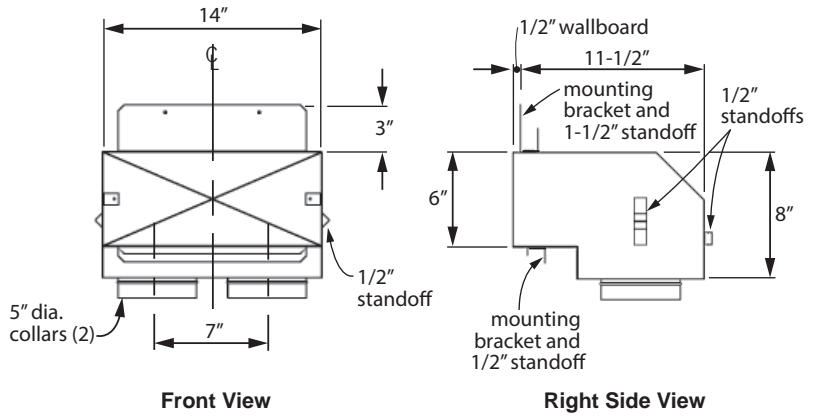
Front View



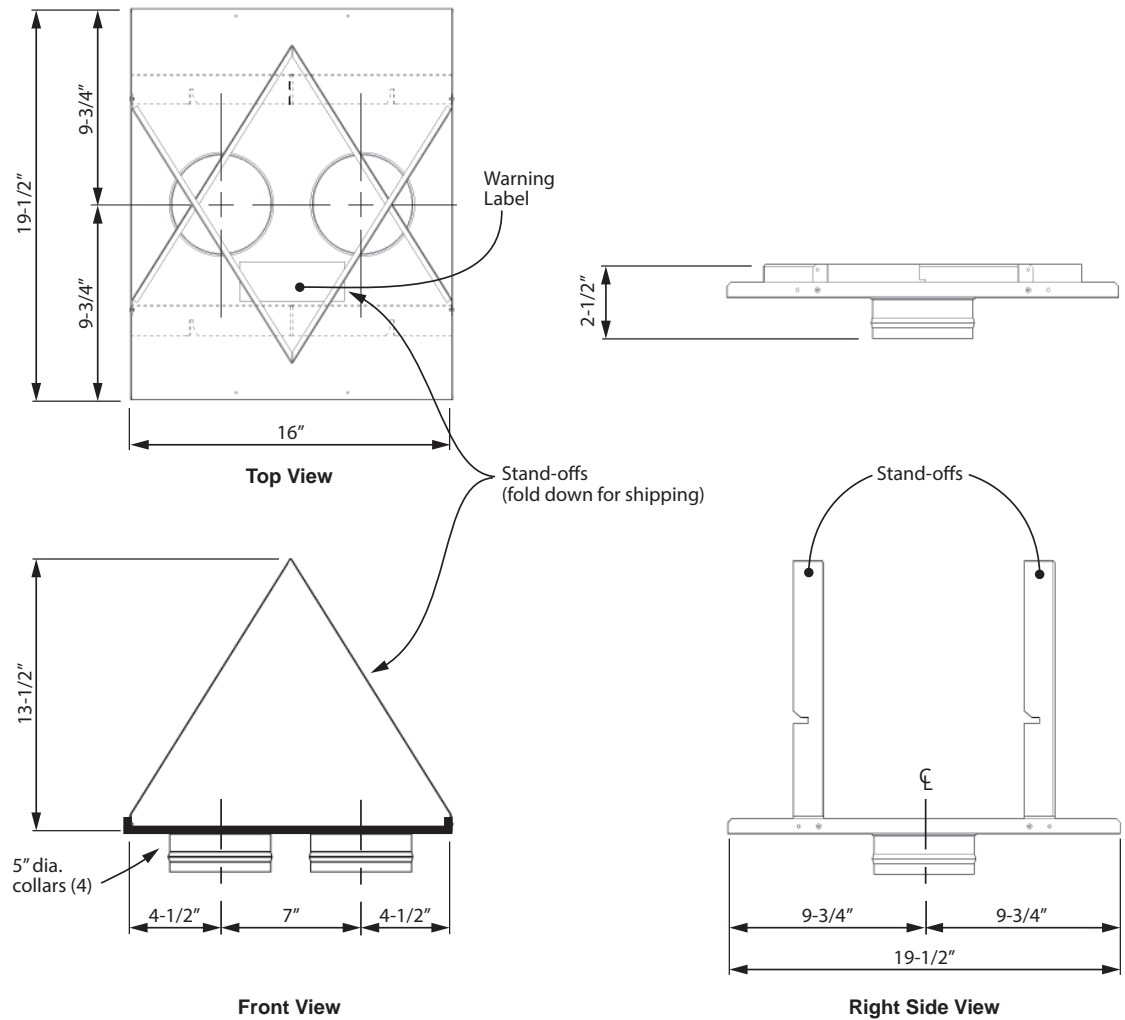
Right Side View

Plenum Dimensions (cont'd)

LDK 3

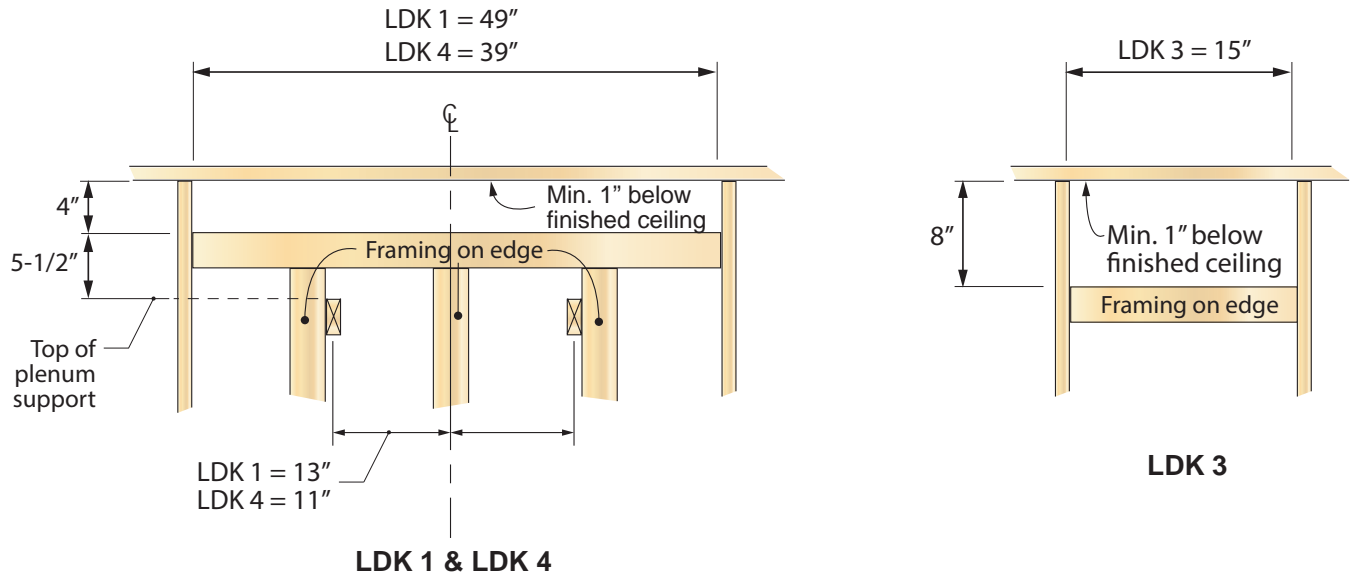


LDK7 Plates Dimensions

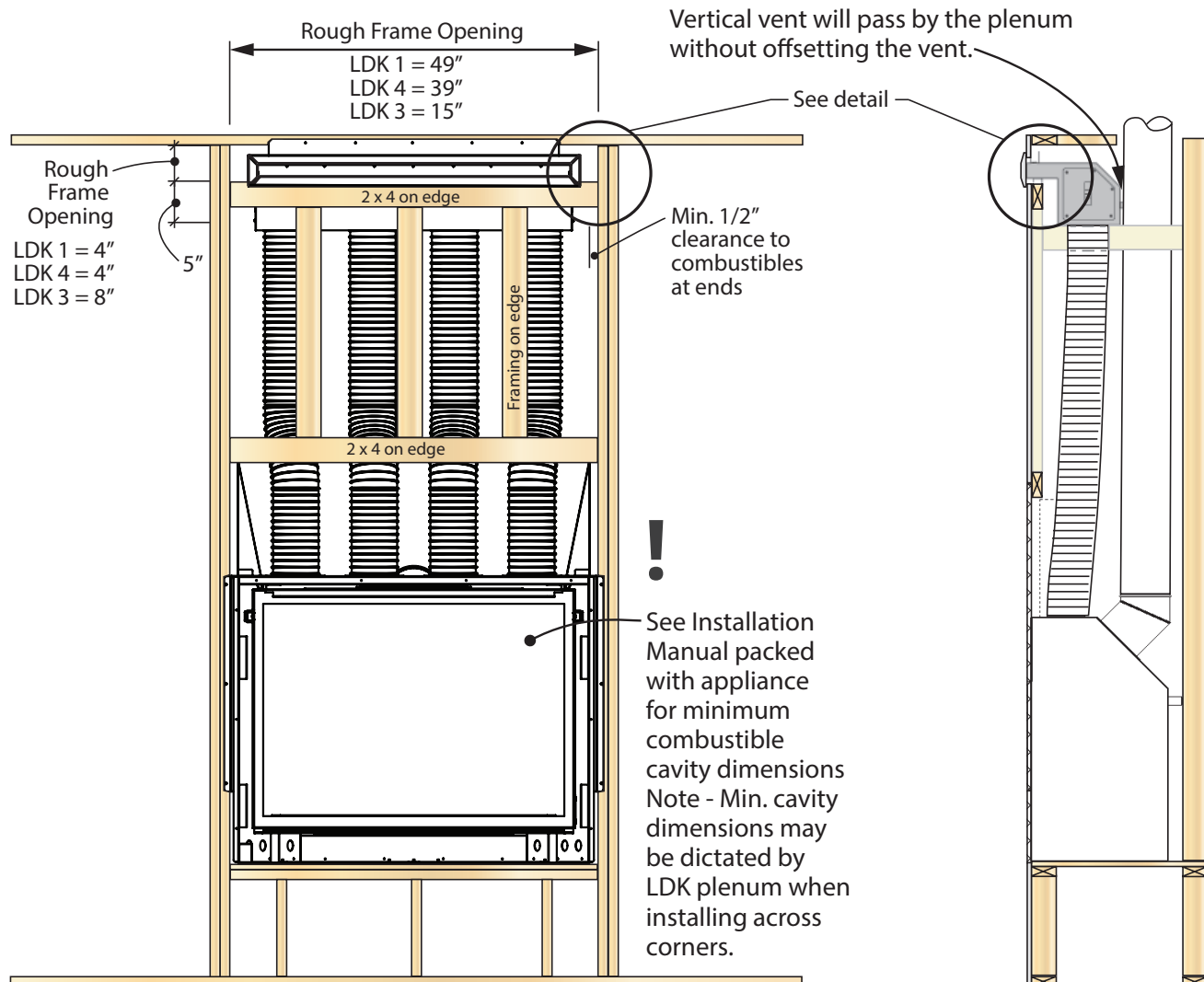


HeatShift System

Rough Frame Openings

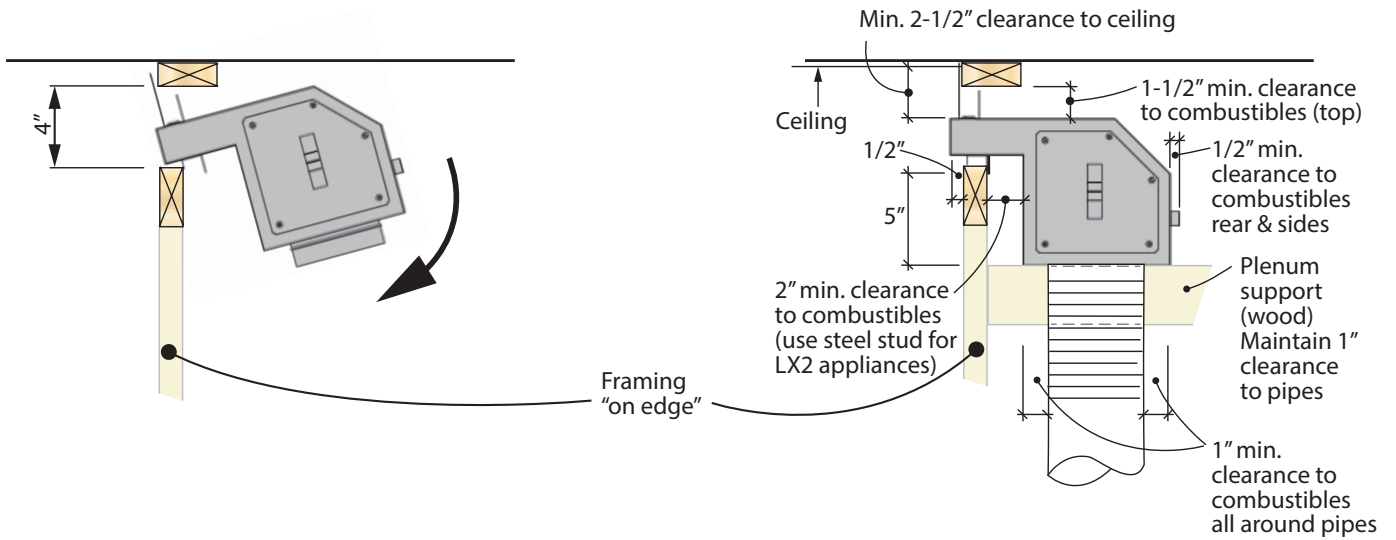


Framing and Clearances—Plenums, front view

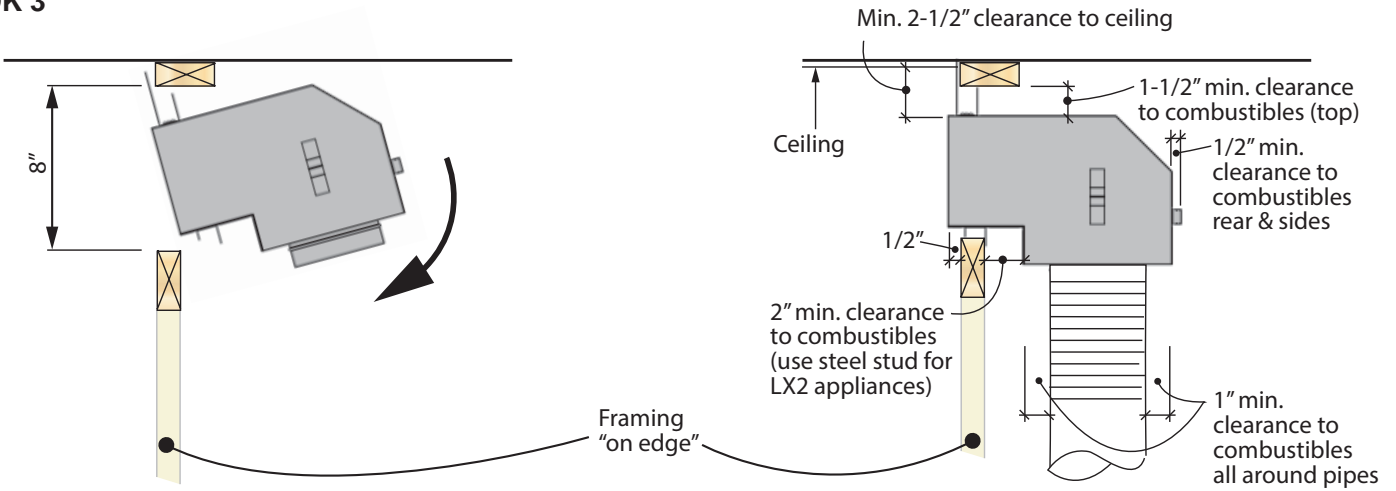


Framing and Clearances—Plenums, side view

LDK 1 & 4

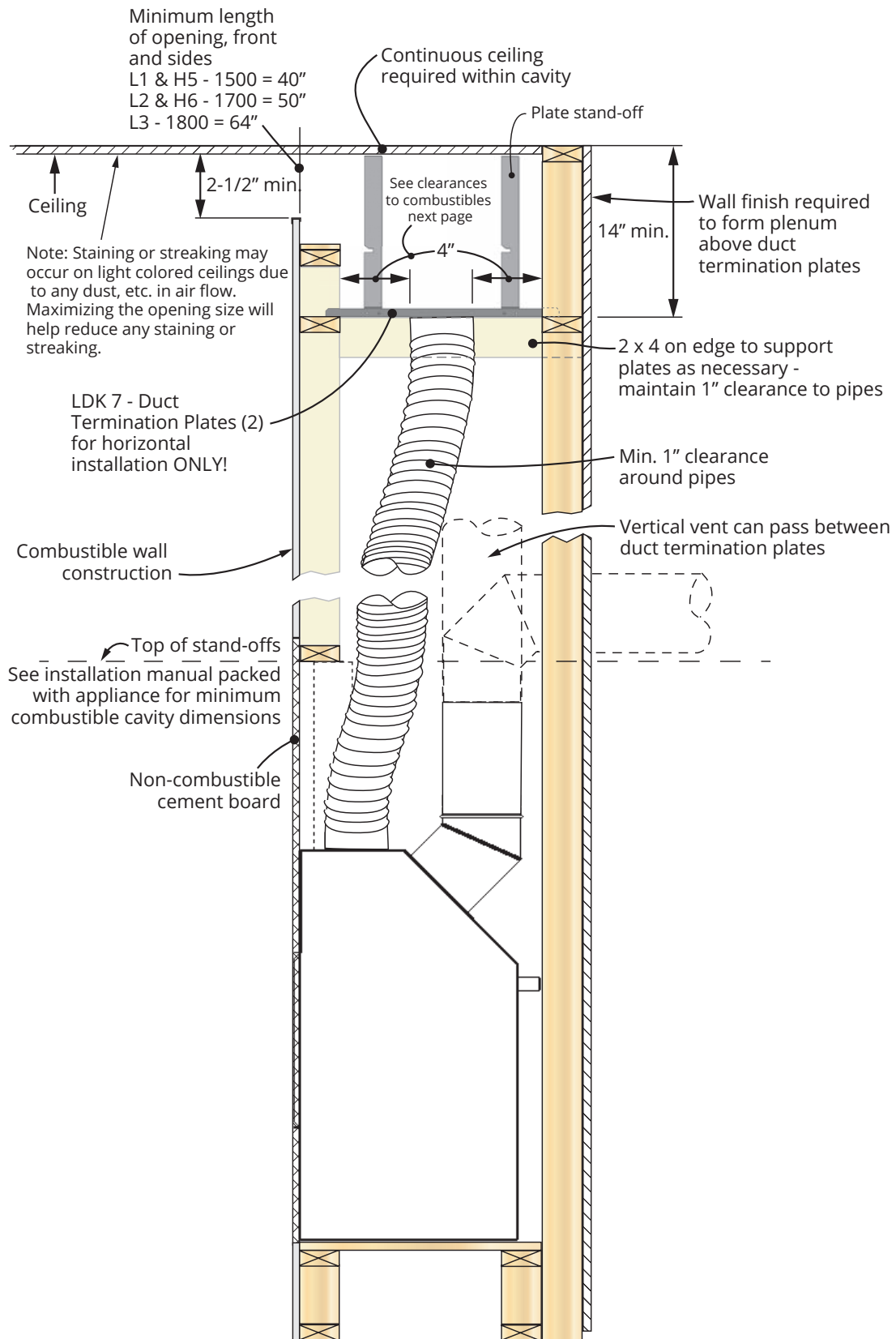


LDK 3



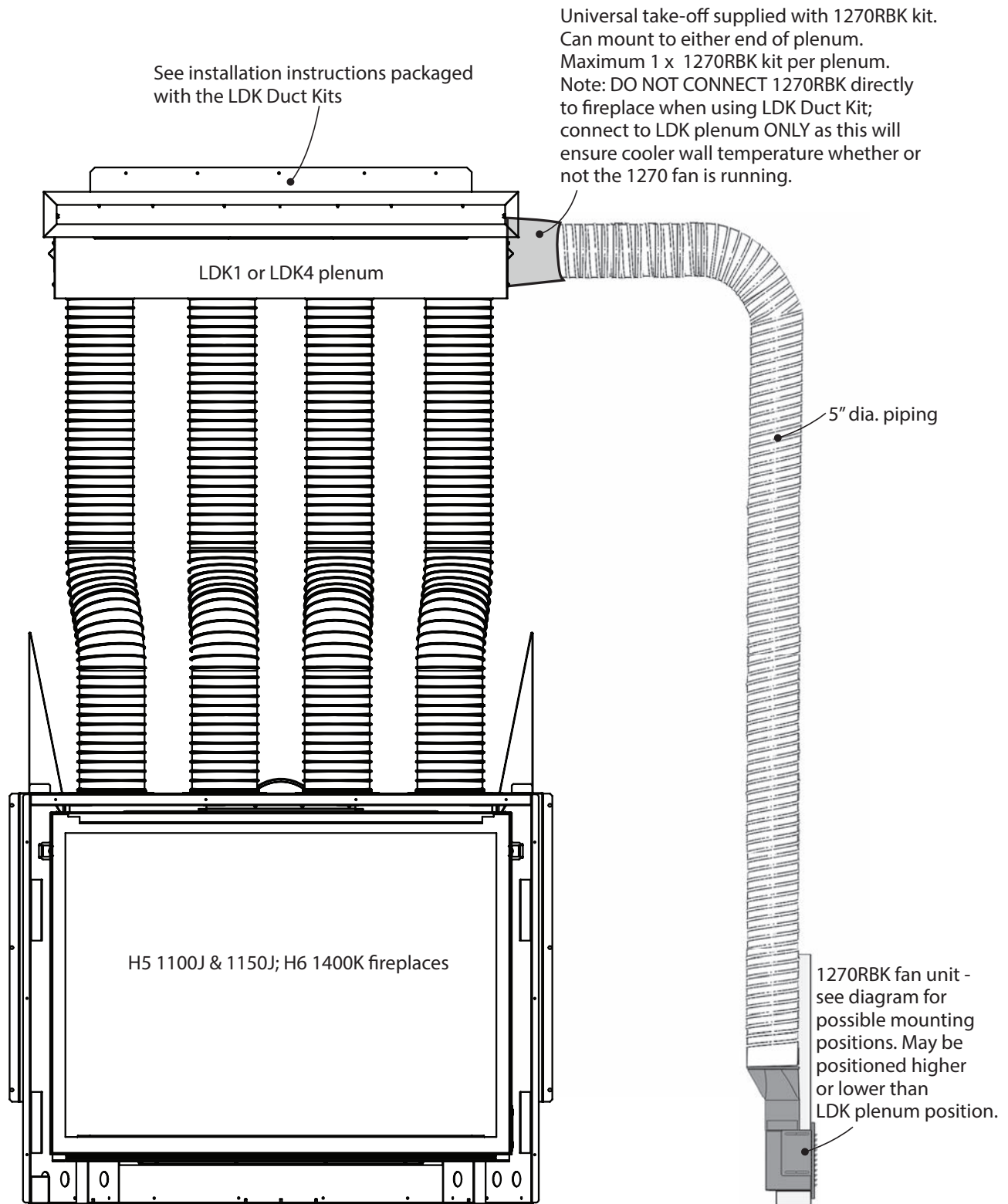
HeatShift System

Wall Valance Discharge Opening using LDK7—Duct Termination Plates



HeatShift System

LDK Duct Kit LDK 1, LDK 4 with optional 1270RBK Remote Blower Kit
(not approved with outdoor installations)

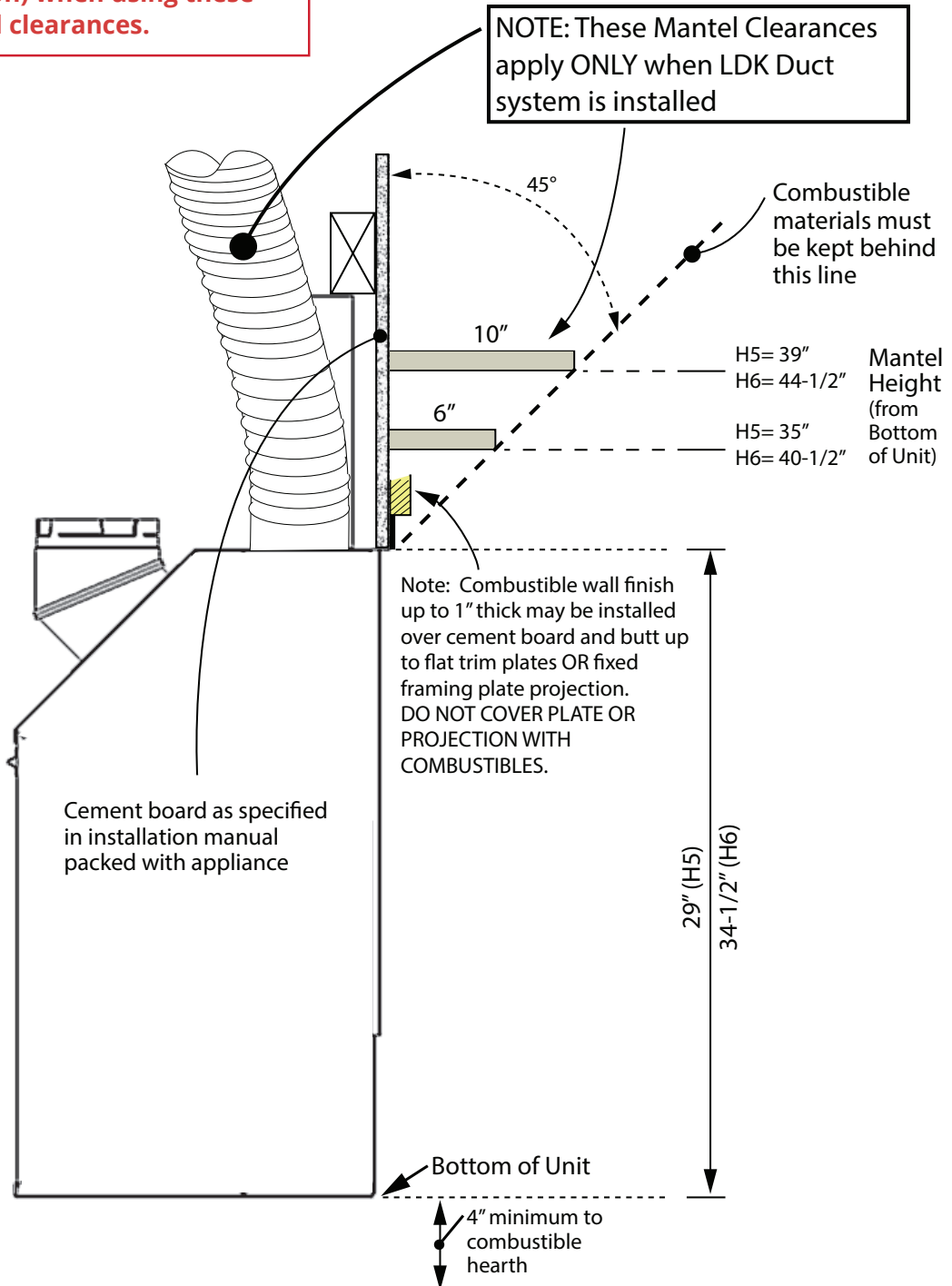


COMBUSTIBLE Mantel Clearances H5 and H6 appliances (when using HeatShift System ONLY)

Sidewall clearances remain as stated in this installation manual.

⚠ WARNING
RISK OF OVERHEATING AND FIRE! Ensure HeatShift installation is complete AND internal convection baffle is removed (see HeatShift installation) when using these combustible mantel clearances.

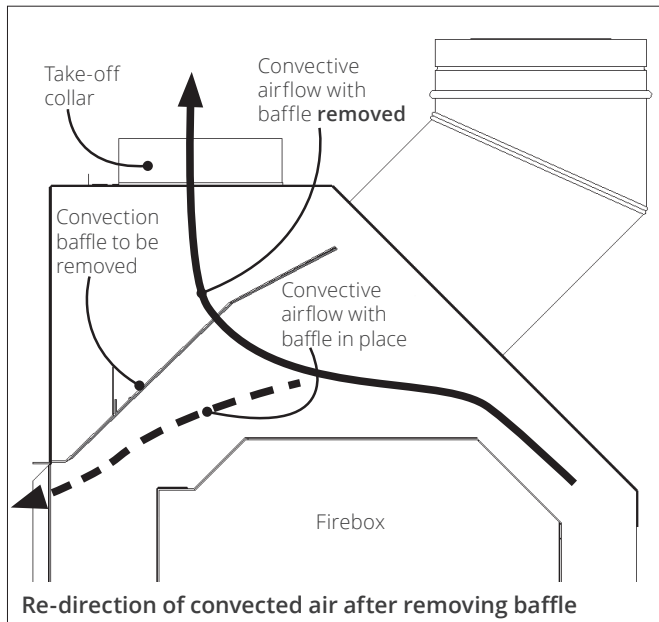
NOTE: These Mantel Clearances apply ONLY when LDK Duct system is installed



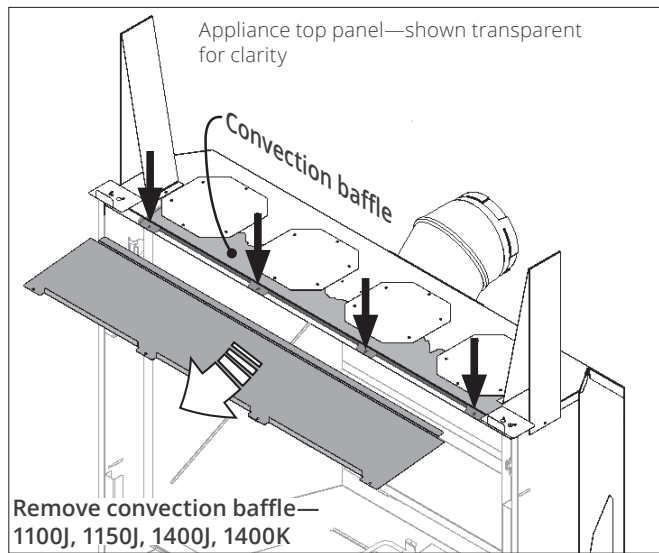
HeatShift System

Remove Convection Baffle

To be effective the LDK Duct Kit requires that a convection baffle located above the firebox inside the appliance case be removed to allow the hot airflow to convect upwards into ducts installed on the fireplace.

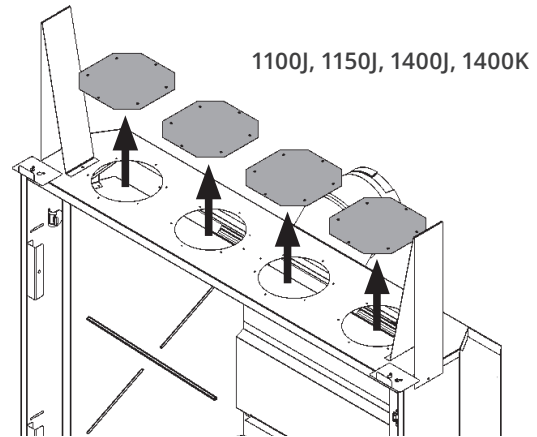


! Remove the convection baffle from the appliance. It is held in place by screws located right behind the upper edge of the fireplace opening (3 screws/baffle, 4 for 1400's baffle). Recycle this panel as it is no longer needed.

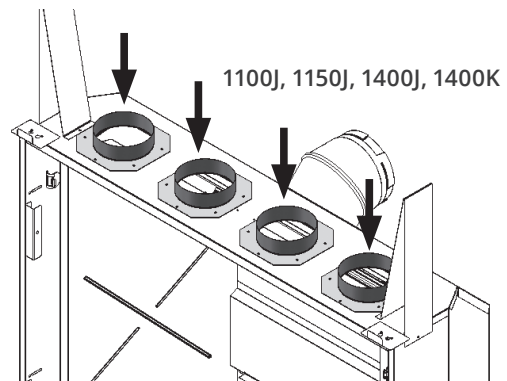


Install HeatShift collars

1. Remove the four cover plates on top of the appliance case (6 screws each).



2. Install the collars on the holes on top of the appliance's case (6 screws each).



! WARNING

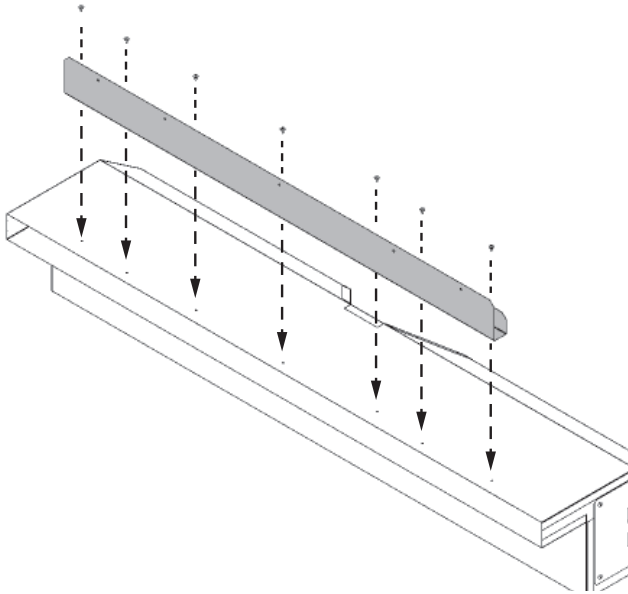
DO NOT INSTALL 1270RBK Remote Blower Kit to any of these 4 takeoffs.

! WARNING

All FOUR (4) takeoffs MUST BE CONNECTED TO PLENUM(S).

Install Plenum Kits (LDK1, LDK3 & LDK4) —see next page for LDK7 Duct Termination Plates

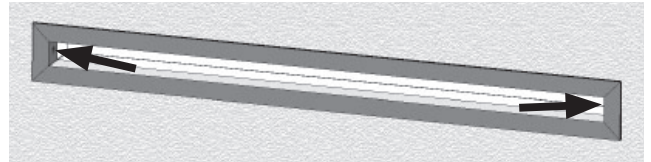
1. Frame a rough opening at the desired location—see earlier sections of this manual for allowable plenum positions and rough frame opening sizes.
2. Install top mounting bracket(s) to the plenum using screws provided (use the short sheet metal screws provided otherwise the screw tails (ends) will interfere with the finishing frame when installed).



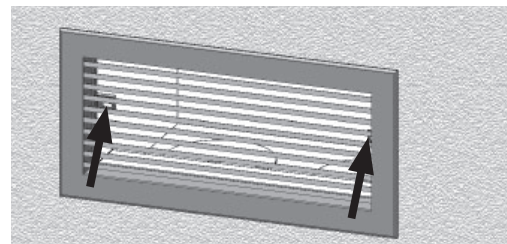
3. Install the plenum(s) into the rough frame opening maintaining minimum clearances to combustibles as listed—see page 10. Fix the plenum to the framing using nails or screws through the top mounting bracket. **Note that the mounting brackets are not intended to carry the weight of the plenum and pipes. Provide support to the underside of the plenum and ensure the plenum is level and its outlet is not distorted (see detail on page 11).** Use metal strapping (all-round, not supplied) as required to further secure the plenum to framing.
4. Attach one section of UL-181, Class 1 approved air duct to each of the collars and secure it with gear clamps provided. **DO NOT SPLICE DUCTS!**
5. Attach the top of the pipe sections to the plenum securing them with the gear clamps provided. An upward slope must be maintained in horizontal sections of pipes for proper convection. Use straps as necessary to maintain the pipes positions. Support horizontal sections every 24 inches.
6. Paint the inside surfaces of the plenum using high-temperature flat black spray paint for installations where the inside of the plenums may be visible.

Note: The flanges of the white finishing frame (when used) will insert approximately 1-1/4" into the plenum covering the shiny sheet metal.

7. Install the finishing frame or louver to the plenum after the wall finish is completed:
LDK1, LDK4: Use the LDK2 or LDK5 depending of the length of the plenum.



LDK3: Use the grilles provided with the kit.



Note: The frame/louver are finished white but may be painted another color if desired; use high temperature paint (250°F). You may also finish up to the perimeter of the plenum opening with your material of choice and not use the frame or louver. Do not finish over any of the opening in the plenum outlet.

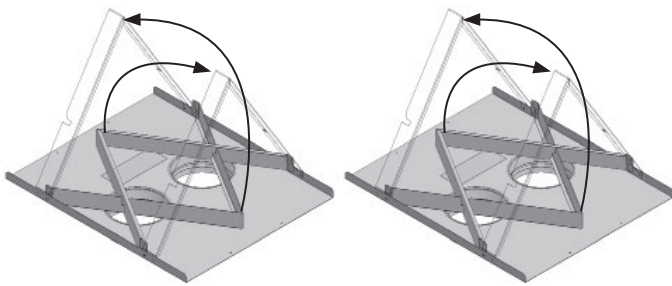
8. Continue with the fireplace installation.

HeatShift System

Install Duct Termination Plates (LKD7) —see previous page for LDK1, LDK3 & LDK4 Plenum kits

1. Frame a rough opening and platform at the desired location—see earlier sections of this manual for allowable duct termination plates positions and rough frame opening sizes.
2. On each duct termination plate, rotate both stand-offs to the vertical position and secure in place using screws provided.

2 stand-offs per plate

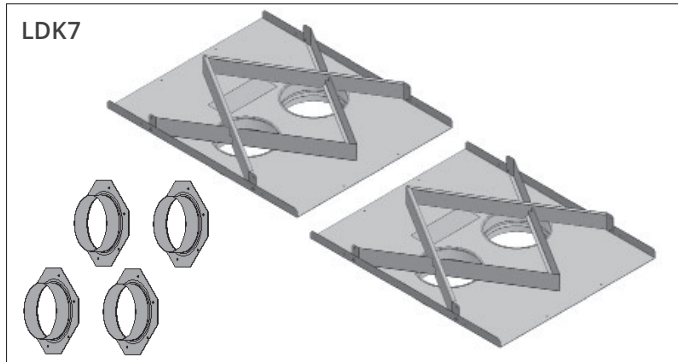
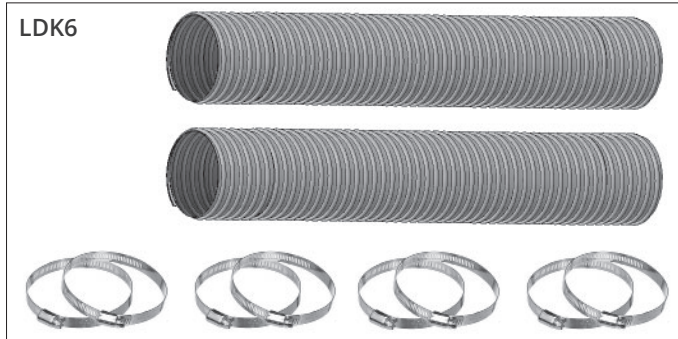
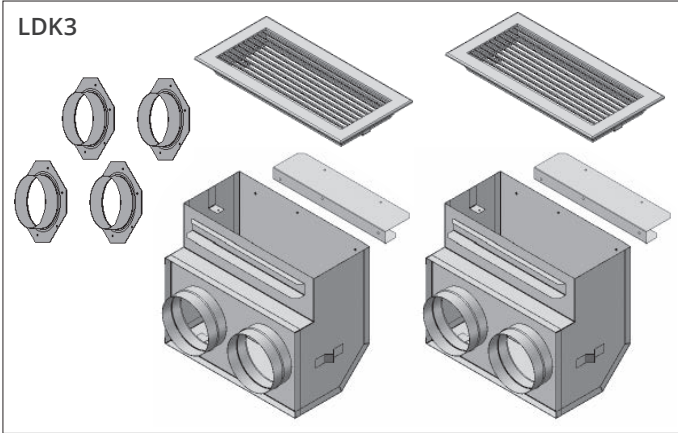
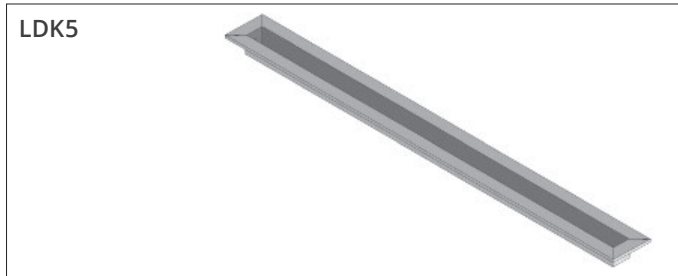
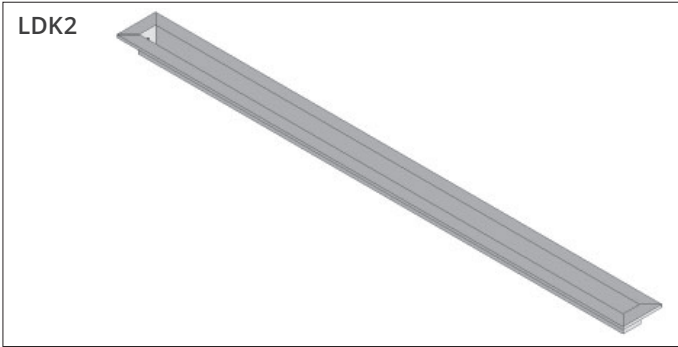
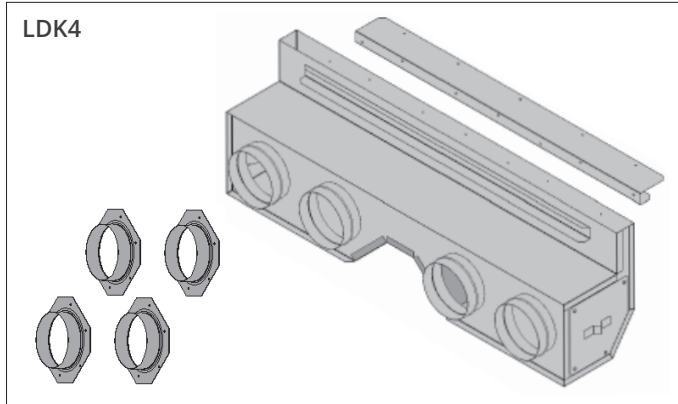
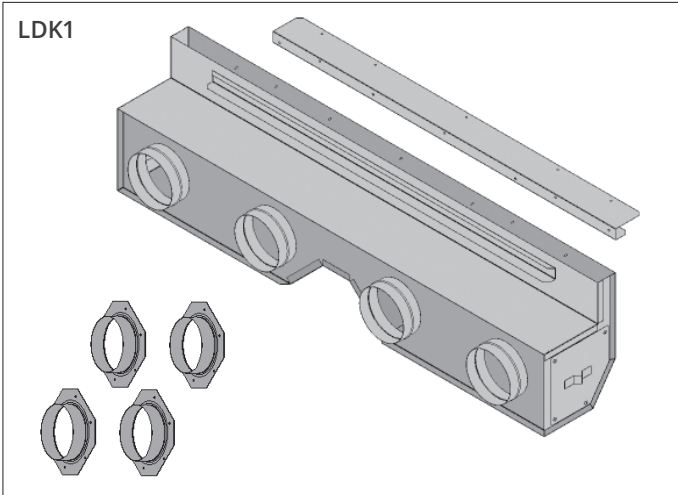


3. Install the termination plates into the framing ensuring collars/pipes on underside of plates maintain 1 inch clearance to combustibles and clearance to combustible above the plates are maintained as listed on page 13.
The termination plates perimeter may be trimmed as necessary to accommodate framing. Secure the termination plate to framing using screws or nails to avoid movement.
4. Attach one section of UL-181, Class 1 approved air duct to each of the collars and secure it with gear clamps provided. **DO NOT SPLICE DUCTS!**
5. Attach the top of the pipe sections to the duct termination plates securing them with the gear clamps provided. An upward slope must be maintained in horizontal sections of pipes for proper convection. Use straps as necessary to maintain the pipes positions. Support horizontal sections every 24 inches.
6. Continue with the fireplace installation.

Repair Parts List

	Description	Part no.
LDK1	48" Quad Hot Air Plenum Kit	
	48" x 2" quad plenum	4005476
	5" take-off collars (4)	4005478
	Top mounting bracket/standoffs	4007211
	#8 slotted drive screws 1/4" (7)	798601
LDK2	48" Outlet Frame Kit for LDK1	
	Aux Frame-SPL 48" x 2" white	4005612
LDK3	14" Double Hot Air Plenums Kit	
	14" x 6" double plenums (2)	4005464
	5" take-off collars (4)	4005478
	DABL-00-C-SPL 14" x 6" Grilles white (2)	4005614
	Top mounting bracket/standoffs (2)	4005566
	#8 slotted drive screws 1/4" (6)	798601
LDK4	38" Quad Hot Air Plenum Kit	
	38" x 2" quad plenum	4005477
	5" take-off collars (4)	4005478
	Top mounting bracket/standoffs	4007213
	#8 slotted drive screws 1/4" (7)	798601
LDK5	38" Outlet Frame Kit for LDK4	
	Aux Frame-SPL 38" x 2" white	4005613
LDK6	5" Aluminum 2-ply Flex Kit	
	5" dia 10' (uncompressed) aluminum chimney liners (2)	4005635
	4.5" - 6.5" ss gear clamps (8)	4005642
LDK7	Duct Termination Plates	
	Plate and collar assembly (2)	4006747
	5" take-off collars (4)	4005478
	Screws 8 x 3/8 tap PN HD PH (12)	100A757

Each LDK kit is sold separately.



THIS WARRANTY DOES NOT APPLY TO OUTDOOR INSTALLATIONS—SEE WARRANTY SUPPLIED WITH GV60CKO OUTDOOR KIT.

If you have a problem with this unit, please contact your dealer or supplier immediately. Under no circumstances should you attempt to service the unit in any way by yourself. The warranties in paragraphs 1 and 2 are provided only to the initial user of this unit, are not transferable and are subject to the conditions and limitations in paragraphs 3, 4 and 5. Please review the conditions and limitations carefully and strictly follow their requirements.

1. Extended Warranty Coverage

For a period of up to ten (10) years, Miles Industries Ltd., (the “Company”) or its appointed distributor will at its option pay the initial owner for the repair of, or will exchange the following parts or components which are found to be defective in material or workmanship under normal conditions of use and service:

Maximum Warranty Period		10 years
Part or Component	Defect Covered	
Exterior steel casing	Corrosion	✓
Glass	Loss of structural integrity	✓
Cast iron parts	Corrosion	✓
Firebox and heat exchanger	Corrosion (but not discoloration) causing loss of structural integrity	✓

2. Two-Year Parts Warranty

In addition, for two (2) years from the date of purchase, the Company, at its option, will repair or exchange all parts and components not listed above but that are found to have a bona fide defect in material or workmanship under normal conditions of use.

3. Conditions and Limitations

- a) The warranty registration card must be completed by the initial owner and returned to the company within 90 days. Alternatively, the warranty registration form may be filled out online at www.valorfireplaces.com
- b) Installation and maintenance must be performed by an authorized and trained dealer in accordance with the Company's installation instructions.
- c) This warranty is void where installation of the unit does not conform to all applicable codes including national and local gas appliance installation codes and building and fire codes.
- d) The owner must comply with all operating instructions.
- e) The Company is not responsible for the labor costs to remove defective parts or re-install repaired or replacement parts.
- f) The initial owner of the unit will be responsible for any shipping charges for replacement parts as well as travel time incurred by the dealer to perform the warranty work.

- g) This warranty applies to non-commercial use and service and is void if it is apparent that there is abuse, misuse, alteration, improper installation, accident or lack of maintenance to the unit.
- h) The warranty does not cover damage to the unit through:
 - i) Improper installation, operational or environmental conditions.
 - ii) Inadequate ventilation in the area or competition for air from other household equipment or appliances.
 - iii) Chemicals, dampness, condensation, or sulphur in the fuel supply lines which exceeds industry standards.
- i) This warranty does not cover glass, log breakage or damage to the unit while in transit.
- j) The Company does not allow anyone to extend, alter or modify this warranty and assumes no responsibility for direct, indirect or consequential damages caused by the unit. State or provincial laws where the initial user or user resides may provide specific rights extending this warranty and, if so, the Company's sole obligation under this warranty is to provide labor and/or materials in accordance with those laws.

4. Discharge of Liability

After two (2) years from the date of purchase, the Company may, at its option, fully discharge all obligations under this warranty by paying to the first owner the wholesale price of, or replacing, any defective parts.

5. No Other Warranty

All obligations to repair this unit are defined in this warranty. Some states or provinces may specifically mandate additional obligations on the part of manufacturers, but in the absence of such specific legislation, there is no other warranty or obligation expressed or implied.



Spare Parts

	Description	Part Number
1	Heat shield	4004460
2	45 degrees flanged elbow	0945JM
3	Elbow gasket	4002999
4	Top stand-offs (2)	4004469
5	Restrictor plates (2)	4001222
6	Take-off cover (2)	4003046
7	Frame fixing brackets (2)	4003703
8	LH Window latch assembly	4003681
9	RH Window latch assembly	4003680
10	Liner panel anchors (2)	4001283
11	Engine positioning brackets (2)	4004546
12	Window assembly	4002778
13	Hot glass warning plate	4003093
14a	Removable convection baffle	4005690
14b	Cover plates (4)	4005409
15	Burner contemporary assy 1100	4004368
16	Burner traditional assy 1150	4008593
17a	Module assembly 1100 (natural gas)	4004256
17b	Module assembly 1100 (propane gas)	4004288
17c	Module assembly 1150 (natural gas)	4004485
17d	Module assembly 1150 (propane gas)	4004486
18	Pilot shield 1100 natural & propane	4004559AH
19a	Pilot assembly (natural gas)	4001690
19b	Pilot assembly (propane gas)	4001691
20	Pilot bracket	4001755
21	Thermocouple	4000061
22a	Pilot injector #51 (natural gas)	4000735
22b	Pilot injector #30 (propane gas)	4000736
23	Pilot hood 2-flame (in-line)	4001756
24	Pilot tube	4000732
25	Electrode, short	4001856
26	Nut for short electrode	4001855
27	Pilot mount	4004452
28	Pilot sealing plate	4002910
29a	Injector elbow 82-850 (natural gas)	9730010
29b	Injector elbow 92-300 (1100) (propane gas)	9730035
29c	Injector elbow 92-360 (1150) (propane gas)	4001494
30	Manifold assembly	4004451
31	Valve to injector pipe assembly	4004065
32	Single pipe sealing plate	4003236

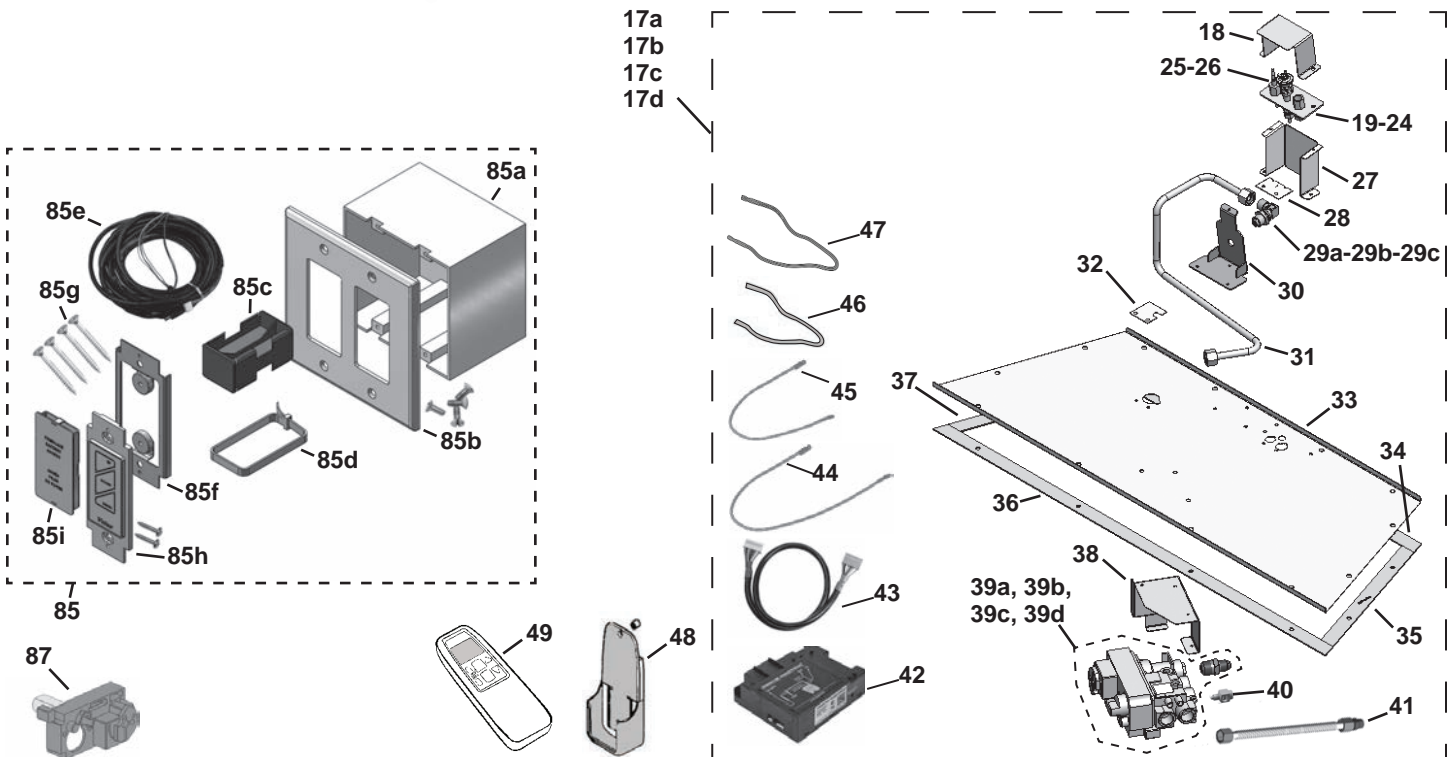
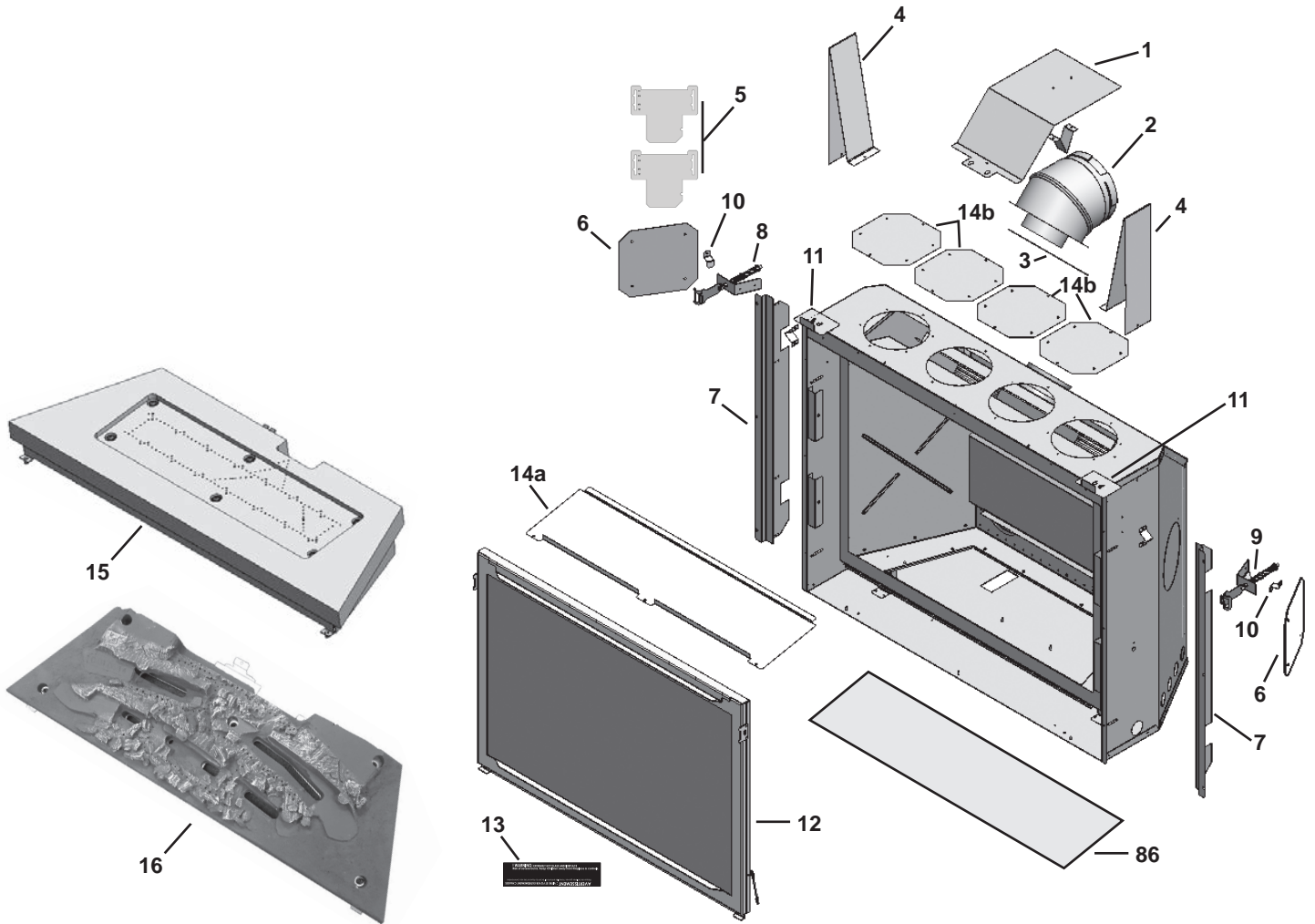
	Description	Part Number
33	Burner tray	4003776
34	Gasket module plate, rear	4003925
35	Gaskets module plate, RH	4003926
36	Gasket module plate, front	4003924
37	Gaskets module plate, LH	4003927
38	Valve mount	4003956
39a	GV60 valve assembly 1100 (natural gas)	4004498X
39b	GV60 valve assembly 1100 (propane gas)	4004499X
39c	GV60 valve assembly 1150 (natural gas)	4004500X
39d	GV60 valve assembly 1150 (propane gas)	4004501X
40	Thermocurrent interrupter	4001037
41	Pipe s/s flex	4000345
42	Receiver MAX	4002422
43	Wire harness GV60	4001187
44	Yellow cable to interruptor	4002096
45	Red cable to interruptor	4001035
46	Ignition cable sleeve 530 mm	4002244
47	Ignition cable 500 mm	4001039
48	Handset wall holder	9000008
49	Handset MAX	4002251
50	Traditional log set - 1150	4004367
51	Rear log	4004682
52	LH middle log	4004683
53	RH middle log	4004684
54	LH cross log	4004681
55	RH cross log	4004680
56	LH base log	4004685
57	Center base log	4004687
58	RH base log	4004686
59	Driftwood Kit - 1100	1101DVK
60	RH rear log	4004371
61	LH rear log	4004370
62	LH cross log	4004372
63	Brown beach pebble (2)	4003082
64	White beach pebble	4003084
65	Black beach pebble	4003085
66	Small grey beach pebble (2)	4003086
67	Beige beach pebble	4003087

Spare Parts

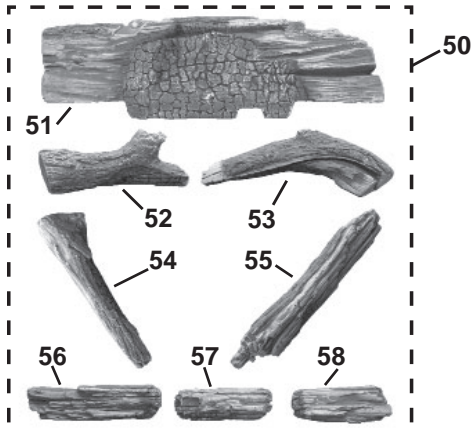
	Description	Part Number
68	1-1/2 lb 3/4" grey/black shale	4004503
69	Decorative Glass Murano - 1100	1103DGM
70	Glass platform	4004447
71	Platform retainers (2)	4004511BY
72	Glass square	4005343
73	Pilot cover	4005342AH
74	1/2" clear fireglass	4004521
75	Decorative Glass Set - 1100	1104DGS
76	Tray for fireglass	4004574AH
77	Pilot cover	4004575AH
78	1/2" clear fireglass (3)	4004521
79	Reflective Glass Liner - 1100	1105RGL
80	Liner panels - complete sets	
	Valor Red Brick Liners	1110VRL
	Ledgestone Liner Set	1115LSL
	Fluted Black Liner Set	1125FBL
	Plain Black Liner Set	1160PBL
	Glass Liner Set	1170RGL
	Rear spacers (2)	4004712AH
	Side anchors (2)	4004710AH
	Side spacers (8)	4004711AH
	Herringbone Liners	1175HBL
81	Rear panel	
	Valor Red Brick	4003264
	Ledgestone	4003246
	Fluted Black	4003258
	Black	4004748
	Glass	4004280
	Herringbone	4006184
82	LH side panel	
	Valor Red Brick	4003262
	Ledgestone	4003244
	Fluted Black	4003256
	Black	4004746
	Glass	4004278
	Herringbone	4006186
83	RH side panel	
	Valor Red Brick	4003263
	Ledgestone	4003245
	Fluted Black	4003257
	Black	4004747

	Description	Part Number
	Glass	4004279
	Herringbone	4006185
84	Top panel	
	Valor Red Brick	4003213
	Ledgestone	4003211
	Black	4003212
	Black	4003212
	Black	4003212
	Herringbone	4006187
85	Remote battery & Wall switch kit	RBWSK
85a	Junction box	4005527
85b	Cover plate & 4 screws	4005526
85c	Battery holder	4005525
85d	Cable tie	4005524
85e	Harness assembly	4005523
85f	Plate with magnets	4005391
85g	Long screws (4)	4001444
85h	Wall switch with 2 screws	4005522
85i	Battery cover assembly	4005390
86	1/2" Micore 300 insulation board	4001489
87	GV60 Valve Repair Kit	4004544

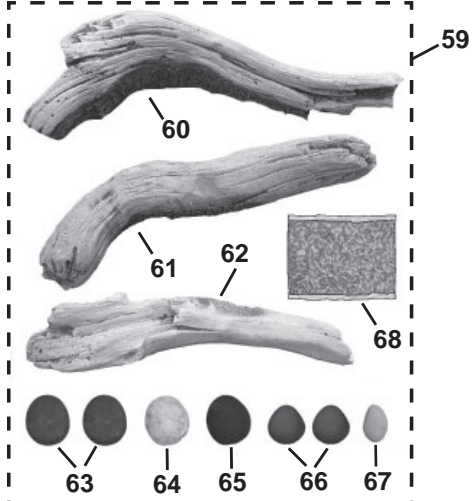
Spare Parts



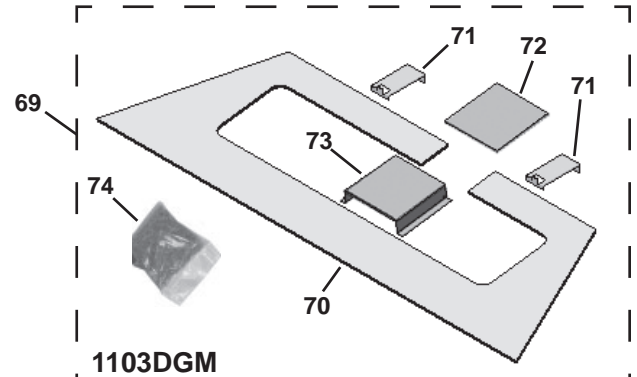
Spare Parts



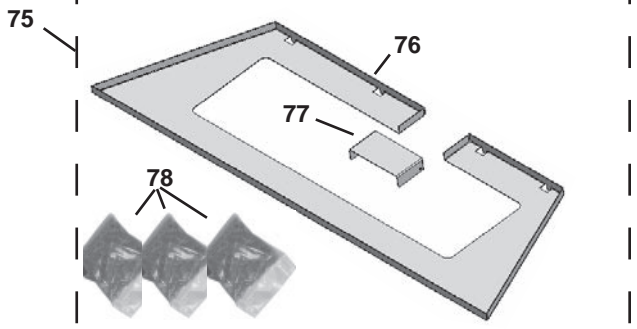
Traditional Logs 1150



1101DWK



1103DGM



1104DGS



1105RGL

