

Gravity Vent Gas Insert 738BXN (NG) & 738BXP (LPG) Installation & Operating Instructions

WARNING



**HOT GLASS WILL
CAUSE BURNS.**

**DO NOT TOUCH GLASS
UNTIL COOLED.**

**NEVER ALLOW CHILDREN
TO TOUCH GLASS.**

INSTALLER: Leave this manual with the appliance.
CONSUMER: Retain this manual for future reference.

Please read this manual BEFORE installing and operating this appliance.

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

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light the appliance.
- Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

Installation and service must be performed by a qualified installer, service agency or the gas supplier.

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.

Massachusetts: The piping and final gas connection must be performed by a licensed plumber or gas fitter in the State of Massachusetts.

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 _____

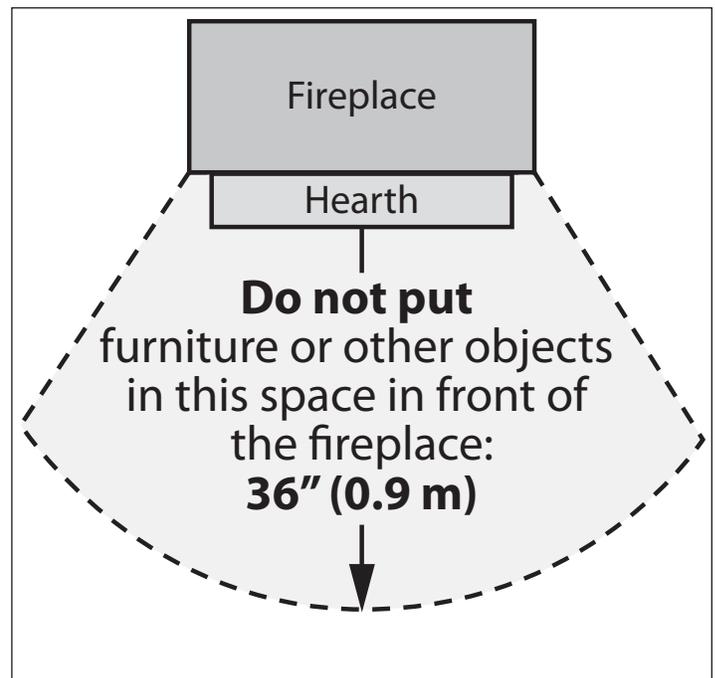
Phone Number _____

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.

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).



We recommend that our gas hearth products be installed and serviced by professionals who are certified in the United States by NFI (National Fireplace Institute®).



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◇ = Updated content

Safety and Warning Information

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.

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.

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.

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.

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.

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.

Any safety screen or guard removed for servicing **MUST BE REPLACED** before operating this appliance.

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.

DO NOT use this heater as a temporary source of heat during construction.

This appliance is a **DOMESTIC ROOM-HEATING APPLIANCE**. It must not be used for any other purposes such as drying clothes, etc.

State of California. Proposition 65 Warning. Fuels used in gas, wood-burning or oil fired appliances, and the products of combustion of such fuels, contain chemicals known to the State of California to cause cancer, birth defects and other reproductive harm. California Health & Safety Code Sec. 25249.6.

Safety and Warning Information

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.

Specifications

Approval & Codes

This appliance is certified to ANSI Z21.88-2009 / CSA 2.33-2009 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 gravity vent insert installations.

This appliance complies with CSA P4.1-09 *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* or the *Natural Gas and Propane Installation Code CAN/CGA-B149*. 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 | NG | LPG |
|-----------------------------------|---------------|---------|
| Gas | Natural | Propane |
| Altitude (Ft.)* | 0-4,500 feet* | |
| Input Maximum (Btu/h) | 24,000 | 24,000 |
| Input Minimum (Btu/h) | 6,500 | 13,000 |
| Manifold Pressure (in w.c.) | 3.95 | 9.5 |
| Minimum Supply Pressure (in w.c.) | 5.0 | 11.0 |
| Maximum Supply Pressure (in w.c.) | 10.5 | 14.0 |
| Main Burner Injector Marking | 82-650 | 92-260 |
| Pilot Injector Marking | 35 | 27 |
| Min. Rate By-Pass Screw | 125 | 125 |

*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.

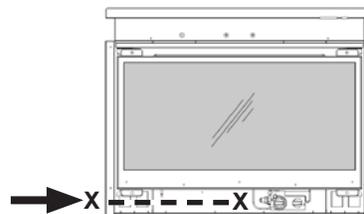
Supply Gas

Heater engine 738BXN is used with natural gas.

Heater engine 738BXP is used with propane gas.

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

The supply connection is 3/8" NPT female and located on the left hand side of the control valve. The gas line entry point is on the left hand side on the fireplace.



Conversion Kits

The 738BX Legend G3 is supplied as natural gas or propane gas and is field convertible between fuels. See instructions packaged with the conversion kit for further information.

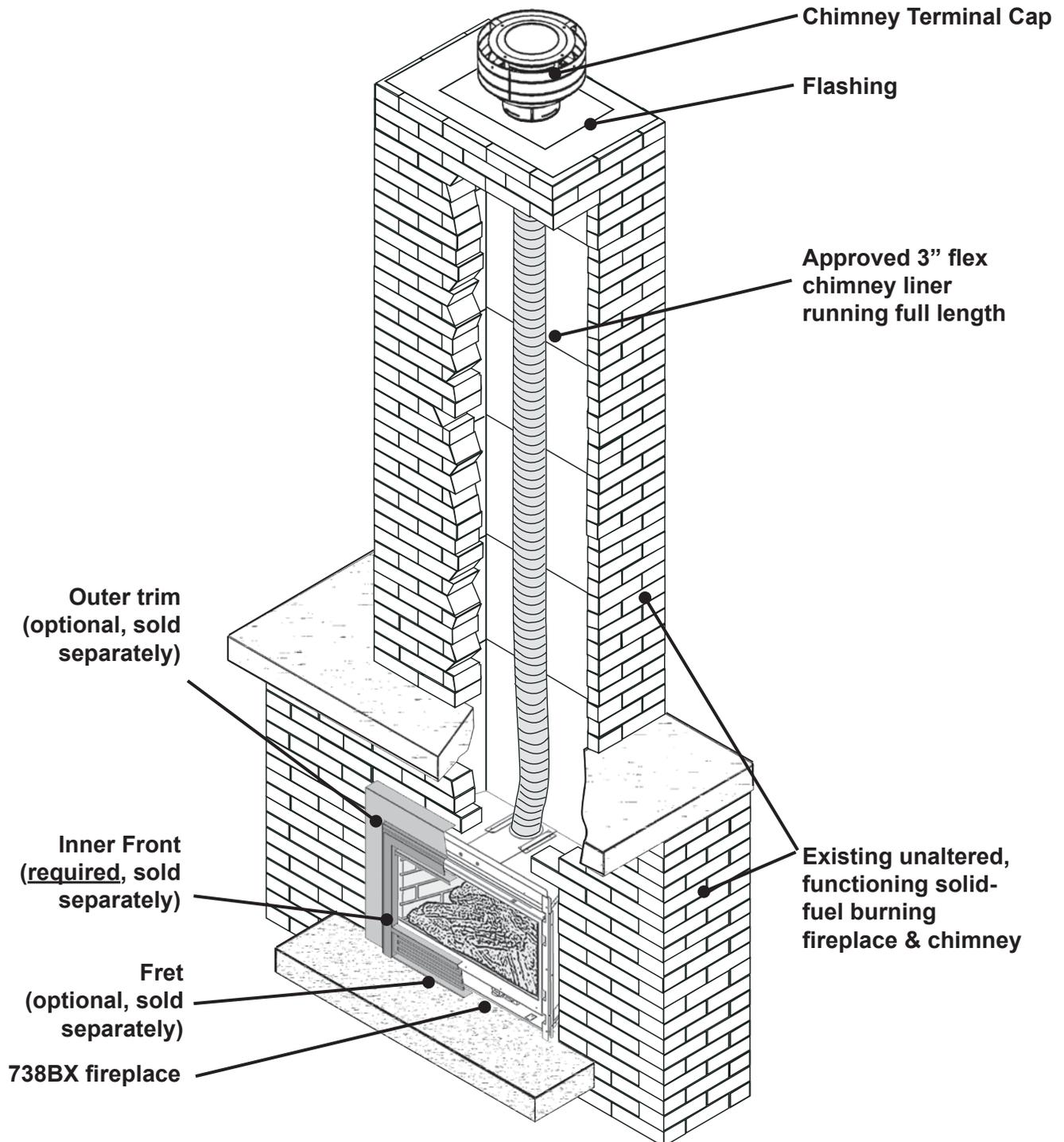
Electrical

The 738 does not require an electrical power source to operate as a heater.

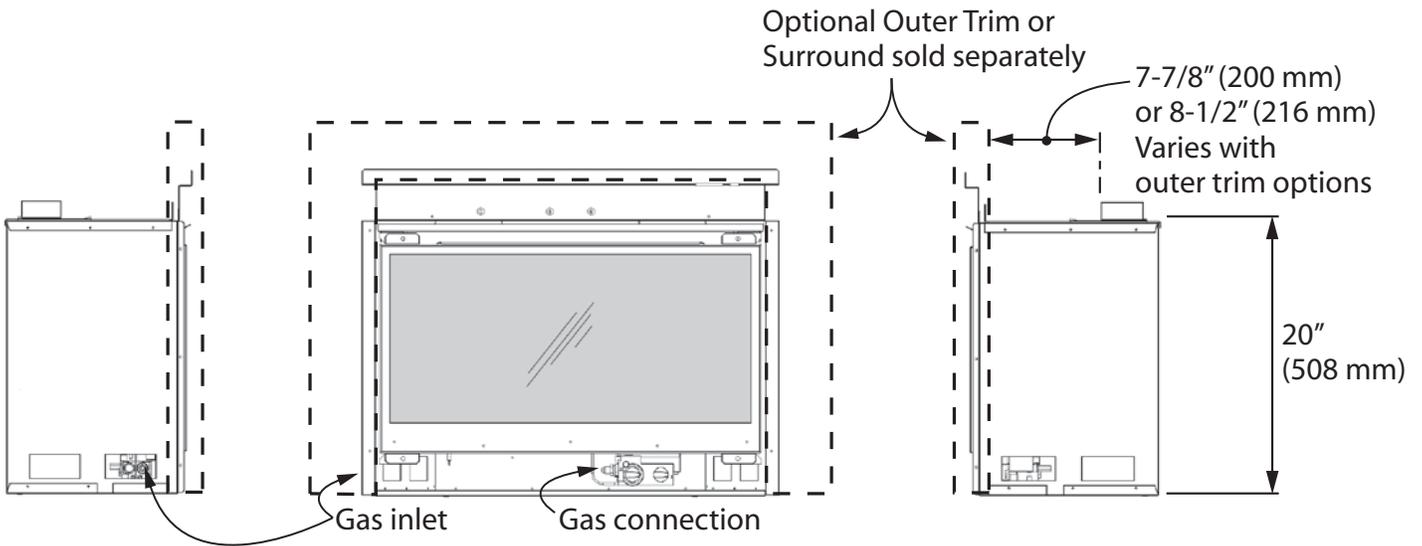
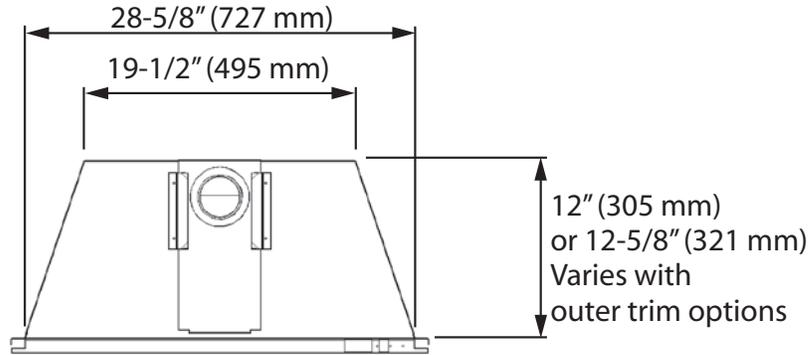
Overview

This appliance, as supplied, may **ONLY** be installed in an existing unaltered, functioning solid-fuel burning fireplace with a working flue and constructed of non-combustible material.

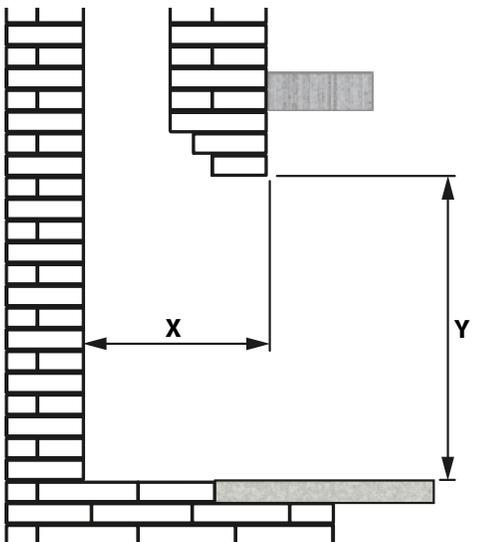
This appliance is **APPROVED** for installation into combustible type construction only when using the 770ZCK Zero Clearance Kit (see separate instructions packaged with the kit for details).



Dimensions



Cavity



Check that masonry step does not interfere with install dimensions or vent pipe.

If mantel is combustible, see section *Clearances* for allowable clearances.

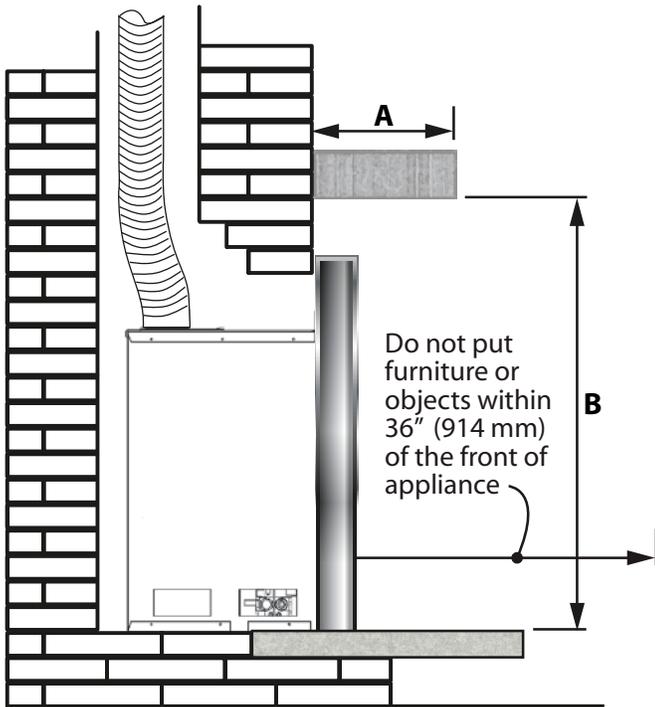
Minimum width of fireplace opening at front: 28" (711 mm)

X = 12" (305 mm) or 12-5/8" (321 mm)—varies with outer trim options
Y = 20" (508 mm)

Clearances

WARNING

Some materials or items, although safe, may discolor, 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.



Combustible Mantel Clearances

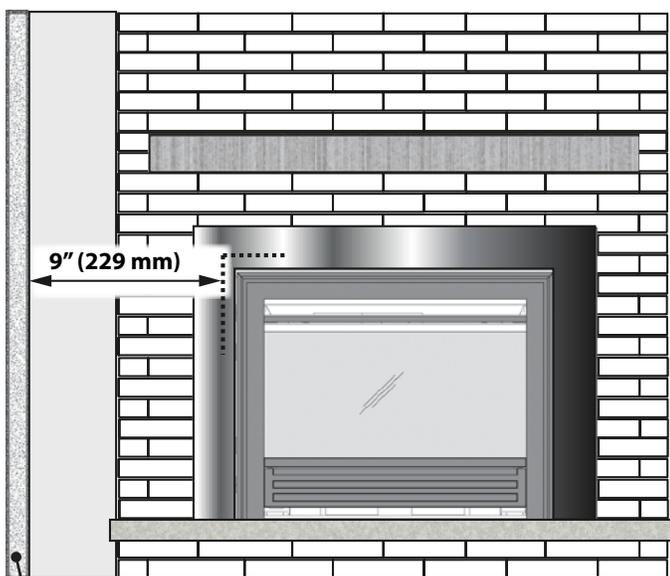
| | | | | |
|----------------------------|-----------------|-----------------|-----------------|-----------------|
| Mantel Projection A | 1" (25 mm) | 4" (101 mm) | 8" (203 mm) | 14" (355 mm) |
| Mantel Height B* | 28" (711 mm) | 32" (813 mm) | 35" (889 mm) | 38" (965 mm) |

*Measure taken from the underside of the mantel to finished hearth or surface that the unit is sitting on.

Finishing Materials

Combustible materials: Material such as wood, compressed paper, plant fibers, plastics or any material capable of igniting and burning, whether flame-proofed or not, plastered or un-plastered.

Non-combustible materials: Material such as steel, iron brick, tile, concrete or materials that bear the UL mark for zero (0) fire rating.



sidewall

Sidewall Clearances

Minimum distance from side of appliance (liner box) to combustible wall: 9" (229 mm).

Venting

Vent Location

The vent terminal must be located through the roof. This gravity vent appliance is designed to operate when an undisturbed airflow hits the outside vent terminal from any direction. Check local codes for allowable vertical vent termination.

Vent Materials

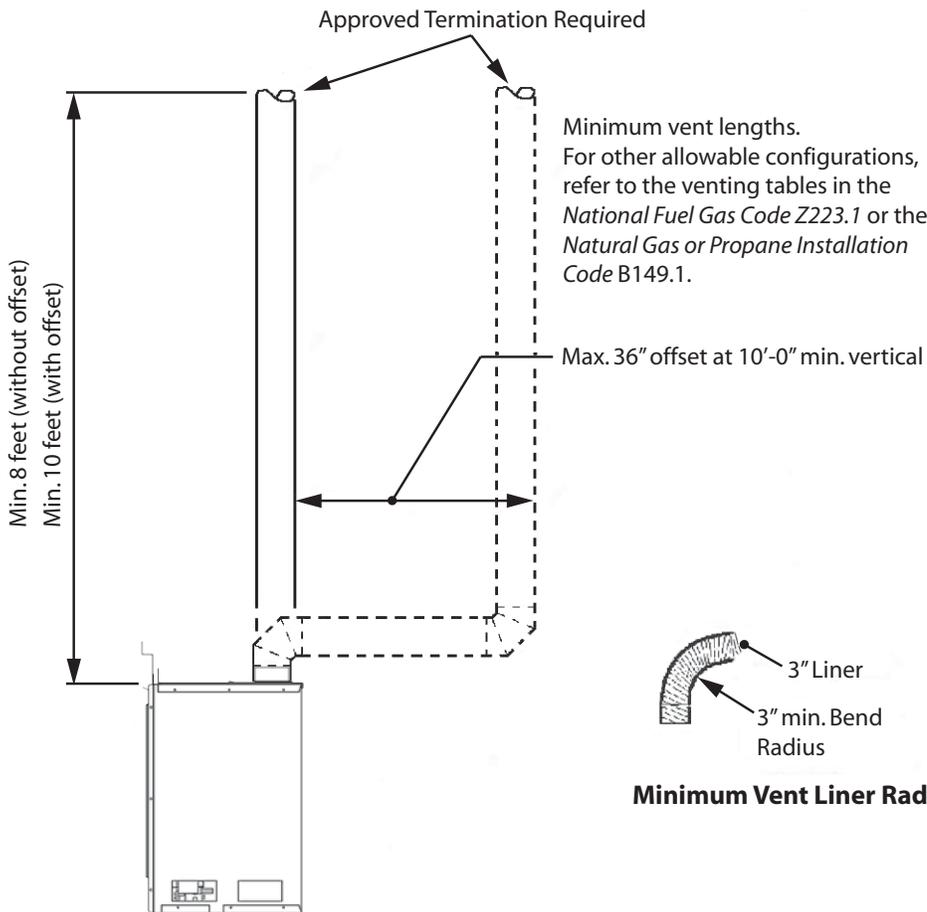
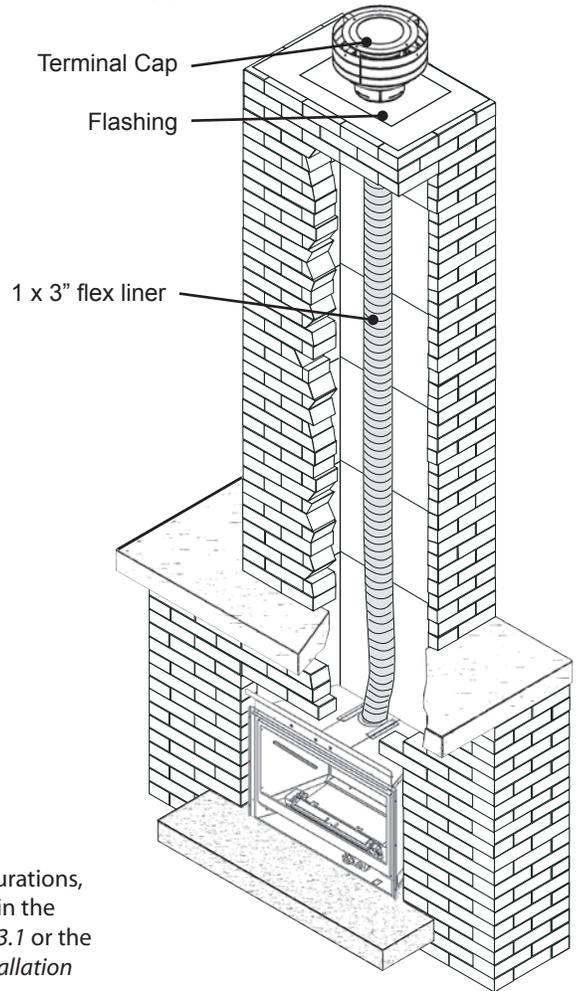
Use a 3" diameter aluminum flex liner approved for gas venting when installed as an insert (existing chimney). Use a 4" diameter type "B" vent when installed with a 770ZCK Zero Clearance Kit (see separate instructions packaged with the kit for details).

Venting Notes

Where possible, avoid joining flex pipe. If joints are required, use an approved connector and seal joints with *RTV high temp sealant*.

Horizontal offsets are permissible to allow for routing around masonry projections. Avoid bending flex pipe over a 45 degree radius where possible.

Typical Vent Installation



Allowable Vent Configurations

Installation Planning

Installer—READ THIS FIRST

1. **YOU NEED TO KNOW FROM THE HOMEOWNER what accessories (surround, door, etc.) will be installed with this fireplace;**
2. Unpack the appliance.
3. Check that you have everything.
4. Clean cavity, chimney, ash dumps, clean-outs.
5. Install venting pipe.
6. Attach conversion plate to existing fireplace.
7. Fit appliance into cavity.
8. Connect and test gas supply.
9. Install the remote control system.
10. Install bricks and logs.
11. Refit window.
12. Verify operation and adjust aeration settings.

13. Install the remote control handset wall holder.
14. **Instruct the homeowner on the operation and maintenance of the fireplace.**
15. Install the surround trim and front.
16. Install the fret if required.

Tools and supplies required

- Packing knife
- Screwdriver set
- Pliers
- Adjustable Wrench
- Sealant
- Dish soap/water solution
- Gloves
- Eye Protection

Existing Fireplace Preparation

A few points must be considered before inserting the 738BX into an existing fireplace cavity. Generally, no modifications are allowed to the existing fireplace that will compromise the integrity of the existing fireplace. Components that are bolted or screwed on such as dampers or baffles may be removed to accommodate the installation of the 738BX engine. **Cutting away any sheet metal parts of the existing fireplace to accommodate the installation of the 738BX is prohibited.** Check with local authorities if in doubt.

Clean Fireplace and Chimney

Have the chimney swept and the fireplace cavity including ash dumps and clean-outs cleaned before installing the 738BX heater and vent liners. Any creosote or soot residue remaining in the fireplace cavity chimney or clean-out may cause odors or stains once the 738BX insert is installed. Consult with chimney sweep for information on how best to clean.

Existing Dampers

Factory-built, zero-clearance fireplaces will require the damper to be removed in order to install the vent liners. These dampers are usually bolted into place. Dampers in masonry fireplaces must be fixed open and may remain in place.

Ash Retaining Curbs

Some fireplaces (particularly factory-built) have a raised curb at the front edge to retain ashes. Check the dimensions carefully to ensure the 738BX engine will fit behind any raised curb (some curbs may be removed separately from the refractory base).

Gas Line Routing

Plan the routing of the gas line before proceeding. Use the existing hole for the gas line in factory-built fireplaces. If the fireplace has no access hole, carefully drill an access hole of 1.5 inch (38 mm) or less through the lower sides or bottom of the firebox. The access hole must be plugged with non-combustible insulation after the gas supply line has been installed. See *Dimensions* section for detailed location of gas inlet. Also, take into consideration whether or not a shut-off valve will interfere when planning routing of the gas line.

Existing Fireplace Preparation

Existing Glass Doors and Wire Screens

Existing glass doors must be permanently removed prior to installing the 738BX insert.

Combustible Mantels

Combustible mantel clearances must conform to those required for the original solid-fuel fireplace into which the 738BX is being installed.

Attach Warning Conversion Plate to Existing Fireplace (label supplied loose with 738BX heater)

Attach the “This fireplace has been converted...” label to the existing fireplace using screws or other mechanical means and store any removed parts in back of the existing fireplace for future use.

Appliance Preparation

Unpacking the appliance

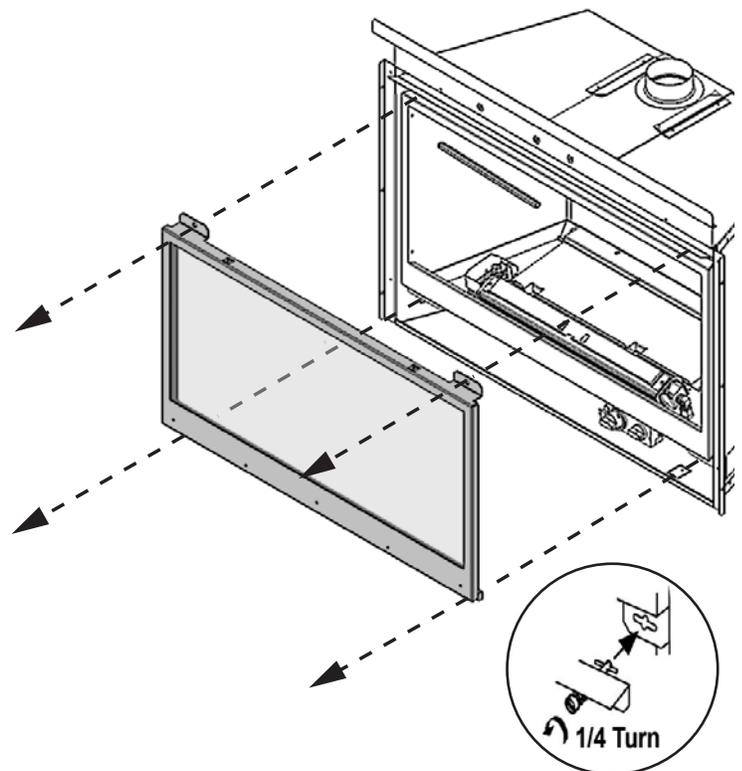
Beware of sharp edges! Wear gloves!

1. Unpack the appliance.
2. Unpack any loose items from around the appliance and check against the Pack Content list provided in the documentation package.
3. Remove the window and set aside in a safe place to avoid damage.
4. **Verify that you have all the components required for the installation, including:**
 - *brick panels & logs;*
 - *surround/doors/fret;*
 - *venting components and accessories.*

Window Removal

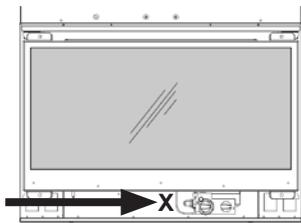
The window is held in place by four spring-loaded bolts, two at the top and two at the bottom.

1. To remove the window, turn each bolt a quarter turn to disengage the bolt pin.
2. Gently pull the bottom of the window outward and unhook it from the firebox's opening frame.
3. Set the window aside in a safe place to avoid damage.



Supply Gas

The gas supply inlet connection is a 3/8" NPT female connector and is located on the left hand side of the control valve.



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

The burner platform and gas train on this appliance may be removed as a unit for servicing or to install or remove the optional circulating fan (if installed). Provide some form of pipe union (depending on type of piping) as close as possible to appliance valve.

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 equipment shut-off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psi (3.5 kPa).

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 subsection *Ratings* of this manual—page 5.

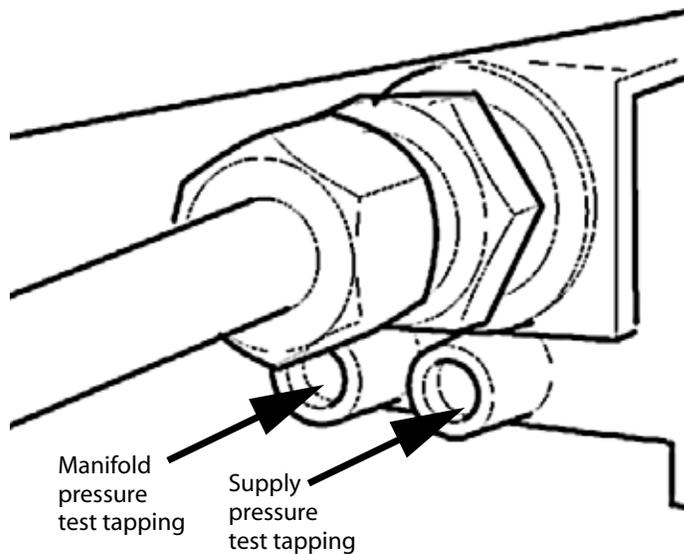
All piping and connections must be tested for leaks after installation or servicing. All leaks must be corrected immediately.

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 subsection *Ratings* of this manual on page 5. 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 24.

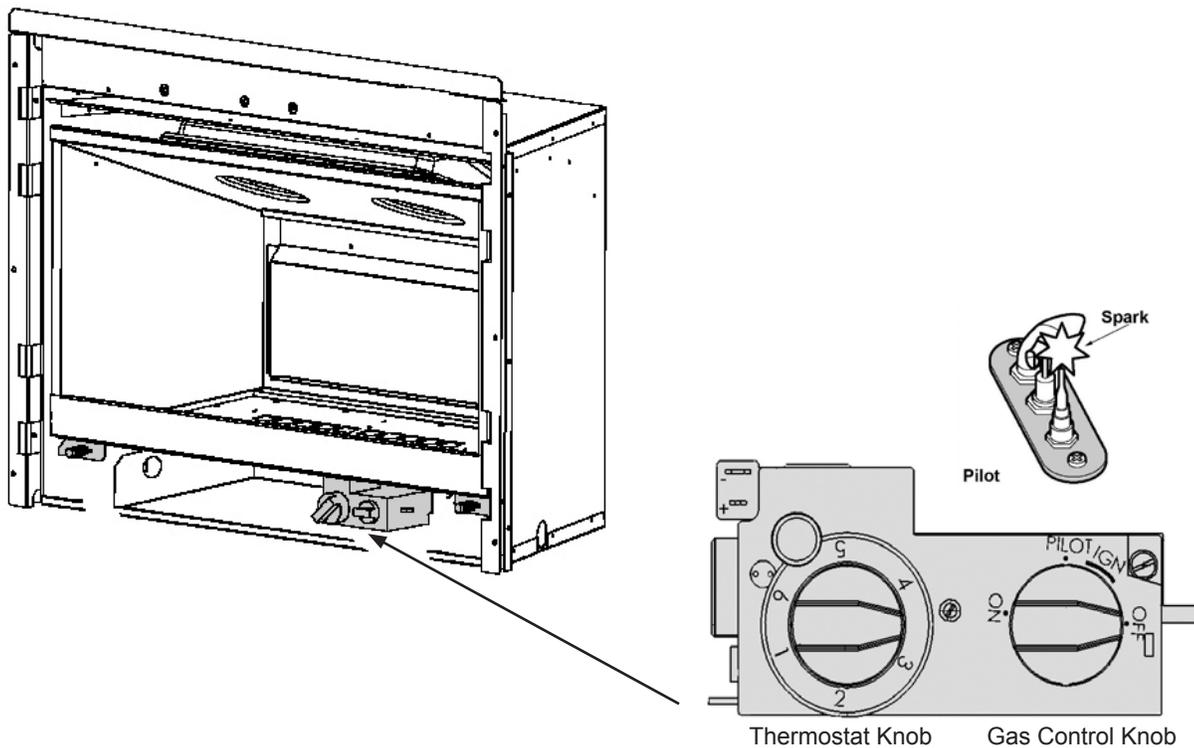


Pressure Testing

Ignition Spark Check

The pilot burner and electrode unit are at the left end of the burner.

Push in the lighting knob and turn it counter-clockwise through the "IGN" position to "PILOT". A spark should flash across from the pilot electrode to the pilot burner shield as shown below.



Remote Control Preparation

CAUTION

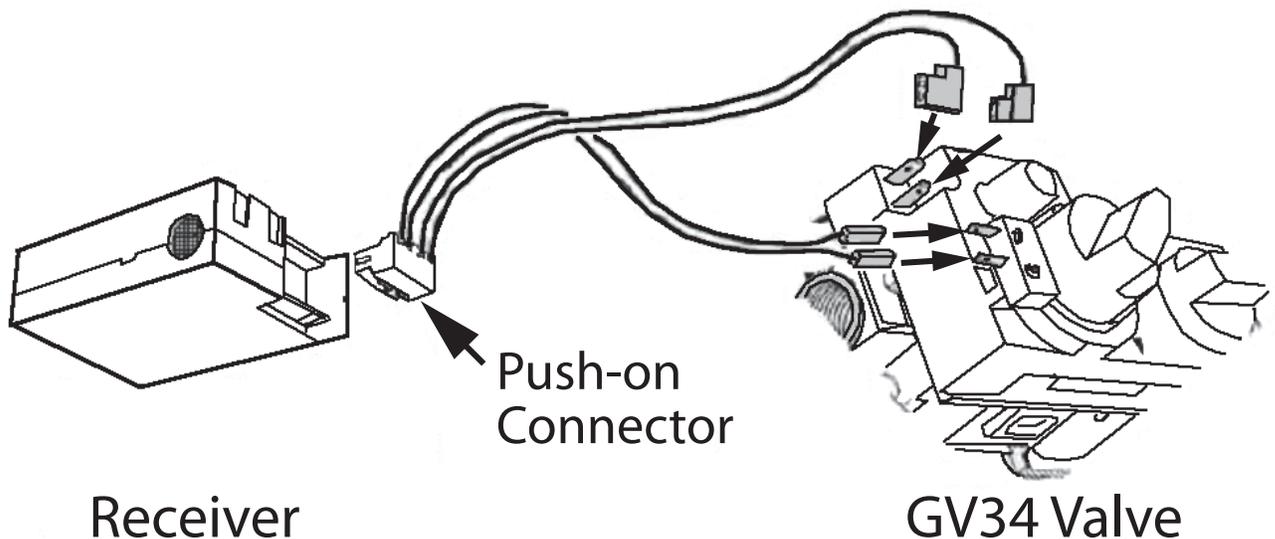
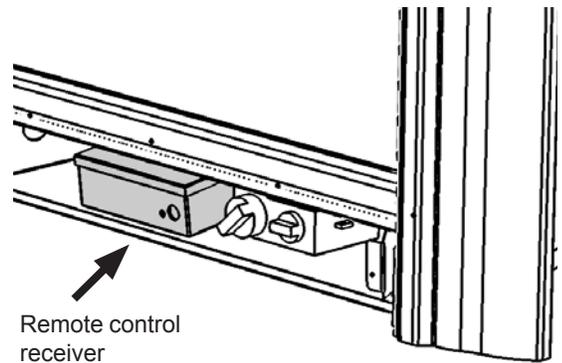
DO NOT PUT BATTERIES IN THE REMOTE CONTROL RECEIVER until the wires are connected to the burner control unit as short-circuit could result in the destruction of the electrical components.

1. Connect the wiring harness to the receiver box, by pushing the wire connector on to the receiver circuit board. The plug will only go on one way so please ensure that the wires are pointing up and the slot in the board is in line with the tab on the wiring harness plug.
2. Connect the wires as shown. Please note that the "L" connectors are different sizes; the smaller one fits to the lower connection and the larger one the top connection on the top left hand side of the valve. The other two wire connectors can be fitted to either terminal located to the left of the flame control button.
3. Remove the remote control receiver lid.
4. Fit four AA 1.5 V alkaline batteries. Refit the lid.
5. Place the remote control receiver on the base of the fireplace beside the valve.
6. Fit the 9 V alkaline battery to the handset transmitter.

Remote control operating instructions are on pages 22 and 23 of this manual and are supplied with the remote control kit.

CAUTION

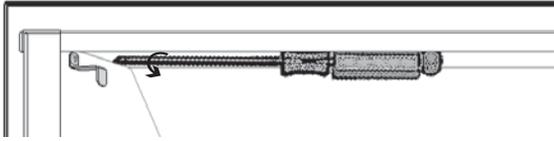
DO NOT USE a screwdriver or other metallic object to remove the batteries from the receiver or the handset! This could cause a short circuit to the receiver.



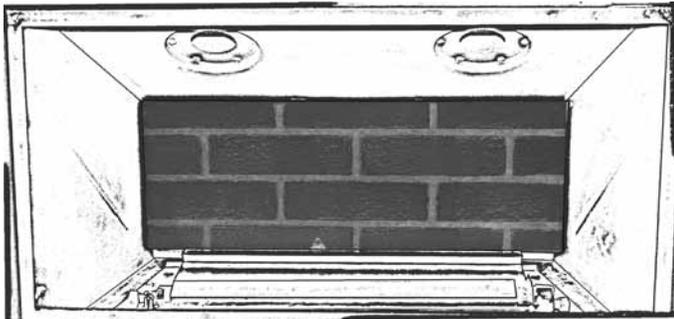
Ceramic Bricks

The following guidelines apply for all brick liners.

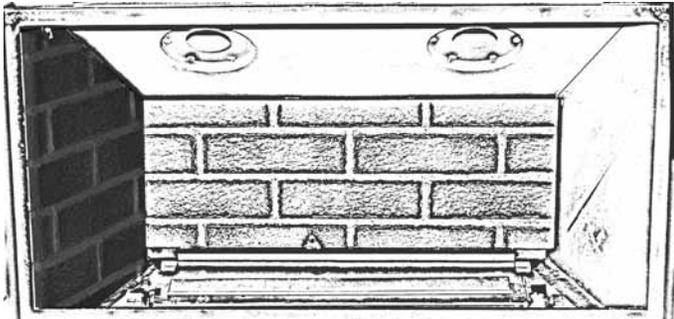
1. Inside the firebox, on the top of each side, release the screw of the side brick anchors (one per side) just enough to allow them to rotate.



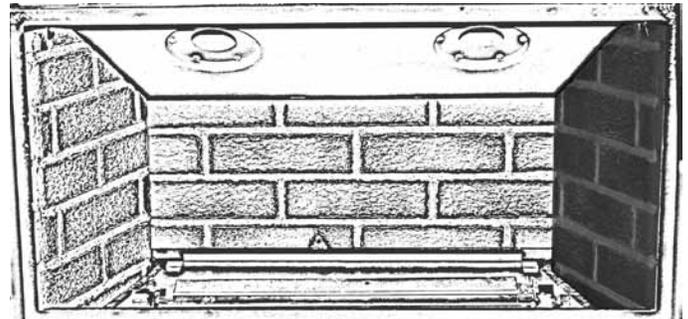
2. Place the rear panel against the back of the firebox, on the ledge at bottom.



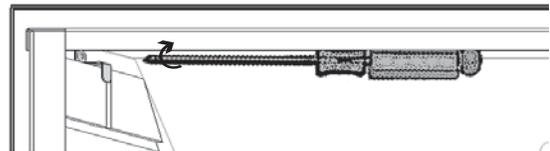
3. Rotate the anchor up and out of the way and slide the left hand side panel against the firebox side. Rotate the anchor back down to hold the panel.



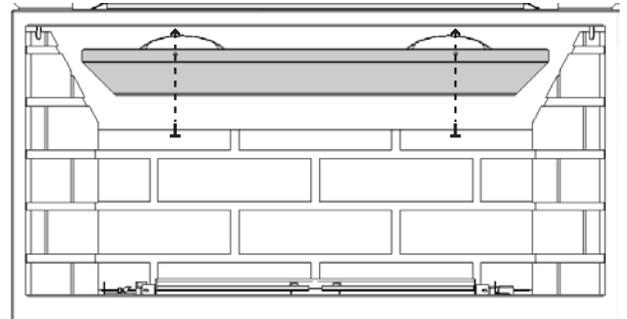
4. Rotate the anchor up and out of the way and slide the right hand side panel against the firebox side. Rotate the anchor back down to hold the panel.



5. Tighten the side brick anchors on each side of the firebox.



6. Install the port cover fixing it using the two screws already in the firebox top.

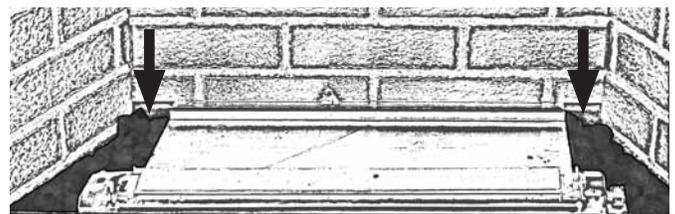
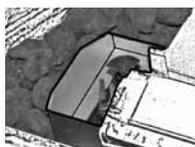


Ceramic Logs

Unpack the ceramic logs very carefully to avoid damaging the fragile material. Install the logs as shown below. **Please note that the position of the Logs is critical to insure proper performance of the appliance.**

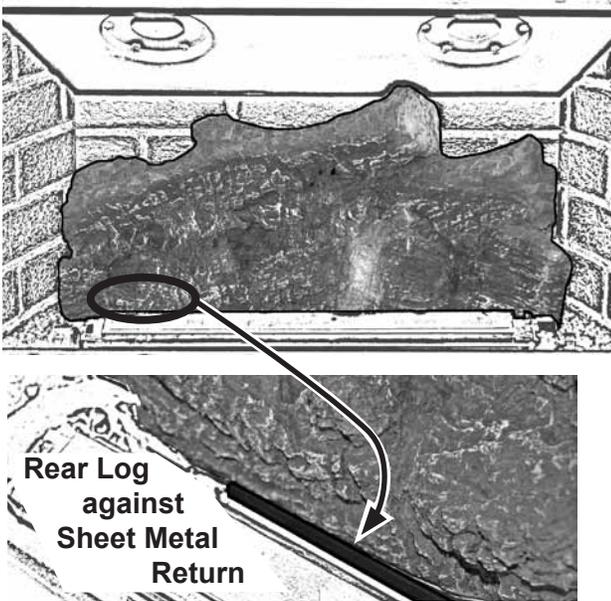
1. Spread the decorative charcoals on each side of the log tray, covering the sheet metal as shown.

DO NOT PUT ANY DECORATIVE CHARCOAL PIECES WITHIN THE PILOT SHIELD AREA.

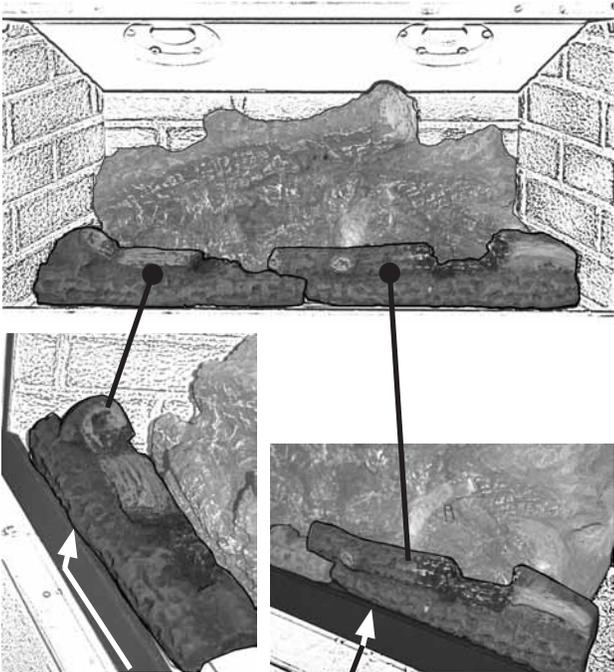


Ceramic Logs

- Place the rear log centering it side to side in the firebox. Position forward until it sits against the sheet metal return behind the burner.

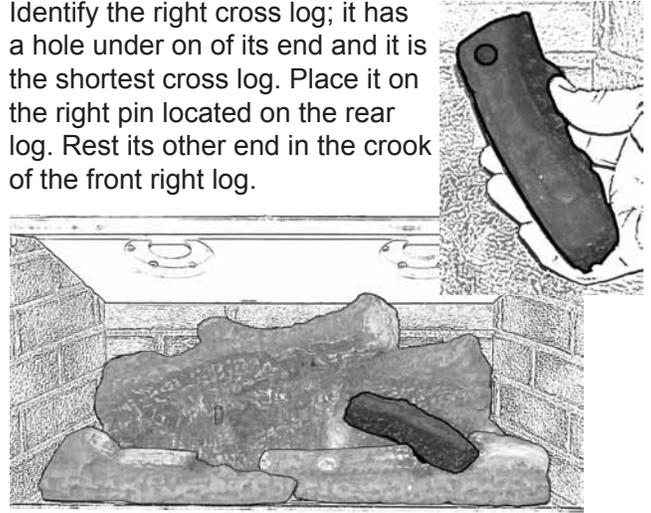


- Place the front left log on top of the burner with its front edge resting slightly on the window frame.
- Place the front right log on the top of the burner with its left end abutted to the front left log and its front edge resting slightly on the window frame. **Center the front logs side to side in relation to the firebox.**

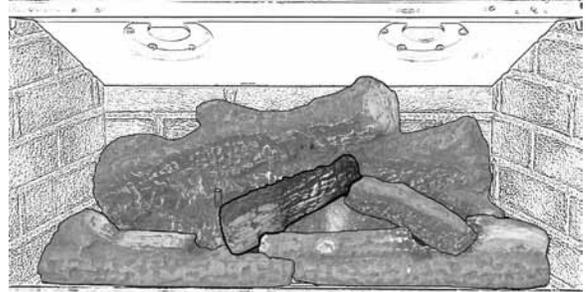


Both front logs to rest slightly on the edge of the firebox window frame.

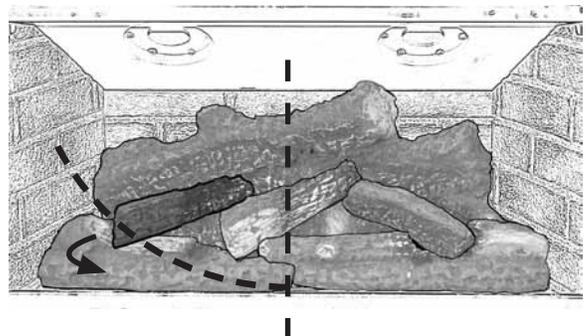
- Identify the right cross log; it has a hole under one of its ends and it is the shortest cross log. Place it on the right pin located on the rear log. Rest its other end in the crook of the front right log.



- Identify the middle cross log. It does not have a hole underneath. Place its narrow end on the flat depression in the rear log next to the right cross log. Place its wider end on the front log.

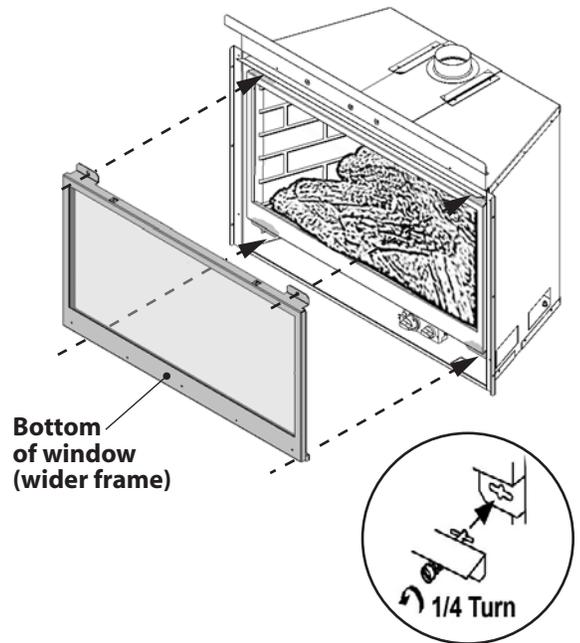


- Identify the left cross log; it has a hole under its narrow end. Place its narrow end on the pin located on the rear log. Rest its wider end on the crook in the front left log at an angle of approximately 30 degrees from the center line of the fireplace to allow for the flame to come up in front of the rear log.



Window Refitting

1. To refit the window, hook its top part to the firebox's opening frame. **Make sure that the wider part of the window frame is at the bottom.**
2. While you hold it, push in and turn the two top spring-loaded bolts a quarter turn to engage their pin.
3. Push in the bottom of the window against the firebox and fasten the two bottom spring-loaded bolts a quarter turn.



Operation Check & Aeration Settings Adjustment

Operation Check

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 22–23.

Aeration Settings

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

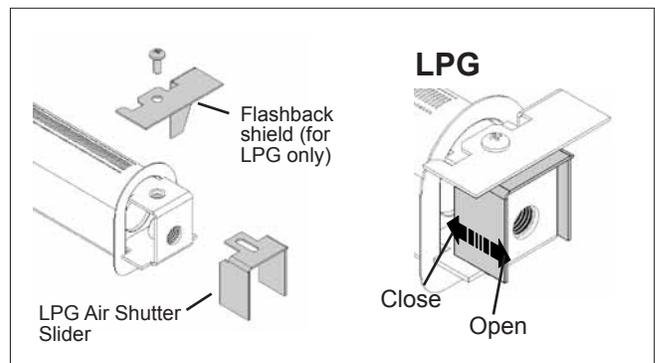
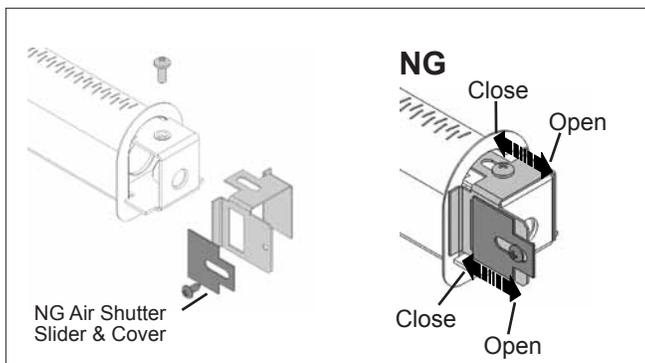
In a few unusual installations, the flame picture may be improved by adjusting the aeration. The need for adjustment should be determined only by operating the appliance with the ceramic logs and window installed.

Increasing aeration (open) will cause the flames to appear more transparent and blue showing more ceramic log glow.

Decreasing aeration (close) will cause the flames to appear more yellow or orange showing less ceramic log glow.

Too little aeration may result in black carbon forming and dropping into the firebox.

Air Shutters

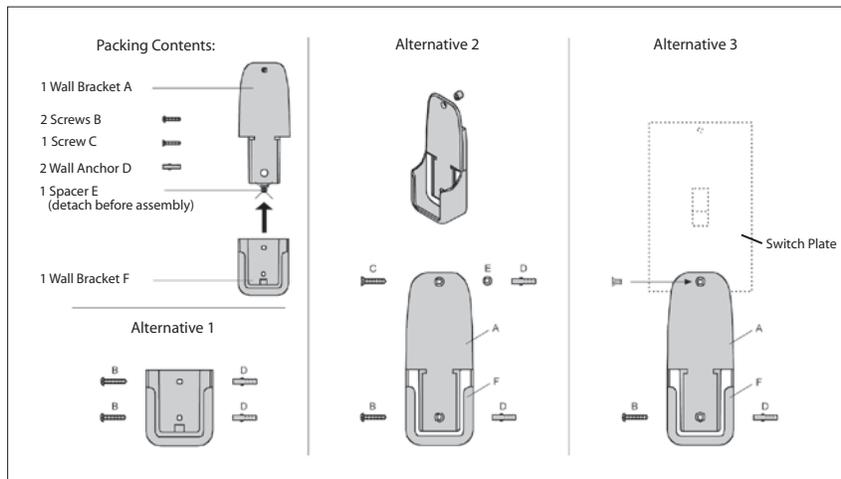


Remote Control Handset Wall Holder Installation

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.



Owner's Information

CAUTION

Your fireplace becomes very hot when operating. Avoid placing decorating objects sensitive to heat within 36 inches (0.9 m) around it.

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

Warranty Card at the back of this manual.



Read the Safety Information section on page 4 of this manual.

Operating Your Fireplace

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 24 of this manual.

Cleaning

WARNING

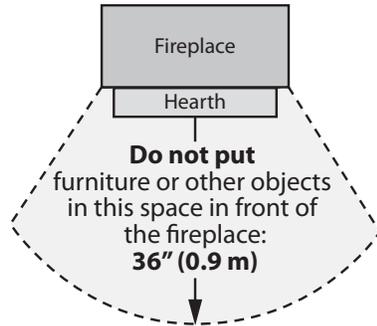
DO NOT TOUCH THE GLASS WHILE IT IS HOT!
Let the fireplace cool first before cleaning it.

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 widely from various locations and also from time to time in the same location. It seems this is associated with the varying sulfur content of the gas. You may have the problem for a time and then not see it for many months when it will reappear in your area.

We have discussed this problem with ceramic glass manufacturers and they cannot give us a definitive answer to this problem. Dealers have tried various cleaning products with varying results. The following recommendations will not guarantee results in your particular case.



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

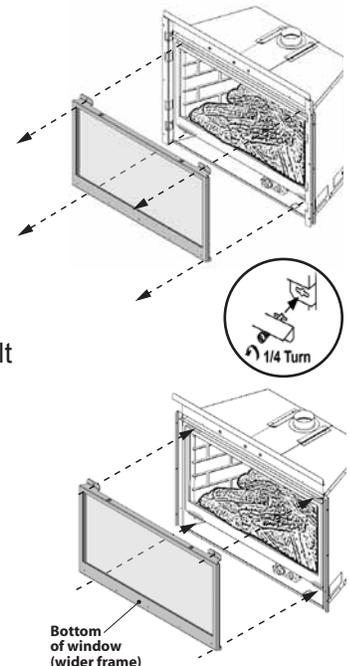
- Clean the glass regularly as soon as you notice the buildup (white film). If the film is left for a longer period of time, it will bake on. It is then much harder, if not impossible, to remove.
- NEVER use an abrasive cleaner on the ceramic glass. Any abrasion of the surface has the immediate effect 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 before lighting. **If broken, the glass pane may only be replaced as a complete window unit as supplied by the manufacturer.**

To remove the window for cleaning:

1. Turn each bolt a quarter turn to disengage the bolt pin.
2. Gently pull the bottom of the window outward and unhook it from the firebox's opening frame.
3. Set the window aside in a safe place to avoid damage.



To refit the window:

1. Hook its top part to the firebox's opening frame. **Make sure that the wider part of the window frame is at the bottom.**
2. While you hold the window, push in and turn the two top spring-loaded bolts a quarter turn to engage their pin.
3. Push in the bottom of the window against the firebox and fasten the two bottom spring-loaded bolts a quarter turn.

Owner's Information

Soot or dust can be brushed from the ceramic logs and firebox walls using 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.

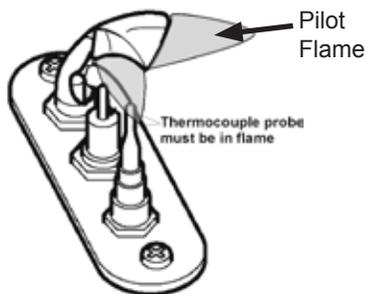
Checks

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.



Correct Flame Picture

Pilot Flame can be seen between logs



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.

Batteries

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 to the receiver.

The appliance uses four 1.5 V AA alkaline batteries for its remote control receiver and one 9 V alkaline battery for its handset. Batteries should last one to two seasons, depending on usage. Removing the batteries in the off-season will extend the battery life. Should the batteries lose power, the control may be operated by manually turning the control knob at the valve or by turning off the valve at the switch.

To replace the batteries in the remote control receiver:

1. The receiver is located to the left of the valve and it is retained to the firebox by a *Velcro* tab. Grab the receiver and pull it out from its location.
2. Slide and remove the receiver cover.
3. Replace the 4 AA batteries.
4. Replace the cover.
5. Put the receiver back in its position pushing it in so it attaches to the *Velcro* tab.

Servicing

If any attention is required for your appliance, contact your supplier quoting the model number. It will be helpful if the appliance's serial number can also be quoted. This number is on the rating plate, which is located under the burner. The replacement parts are shown at the end of this manual. Please always quote the part number and description when requesting spare parts.

Vent Safety Switch

This appliance is equipped with a vent safety switch which, when activated, will turn off the burner and pilot if the vent is blocked, disconnected, or if there is excessive down draught.

If the safety switch is activated, wait for it to cool off before trying to light the appliance again. The safety switch will cool off and reset itself automatically after 25 to 30 minutes.

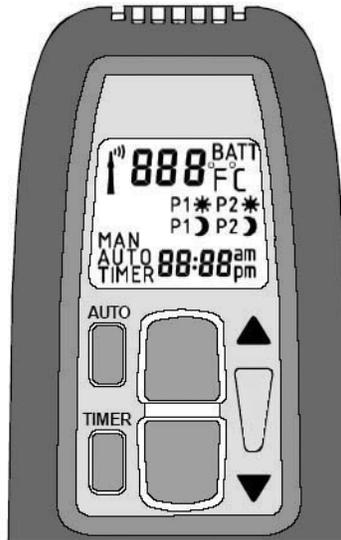
In the event that the safety switch is activated again, contact a qualified service technician for inspection.

Should the safety switch require replacement, only use parts supplied by Miles Industries.

Remote Control Operation

Your fireplace remote control helps you get the comfort, convenience and aesthetics you want from your gas fireplace. The remote controls your fireplace in different ways.

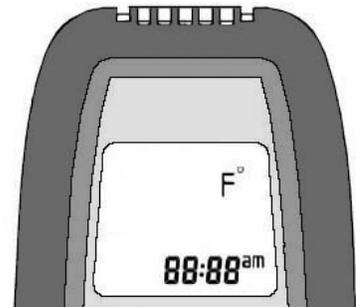
IMPORTANT: *BEFORE YOU BEGIN, please note that on this system, the settings of time, temperature and automatic ON/OFF can only be programmed when the function display is flashing. Be patient when programming as it can take a few seconds to set.*



Setting the time

The first thing to do is to set the time.

1. With your thumb, hold down **both** the **AUTO** and **TIMER** buttons until **F** flashes. Let go.
2. Note the digital clock on the bottom right hand corner. The **▲** button sets the hour; the **▼** button sets the minutes. Set the time.
Note: You must start setting the time while the **F** is flashing. If it stops flashing, go back to 1.
3. The display shows °C/24-hour or °F/12-hour. To change the temperature/hour display, press on the **AUTO** button while the display flashes.
4. Let go and wait until the flashing stops. The remote shows the time you set. It also shows the current temperature.

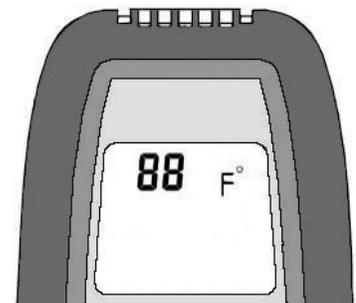


Setting the temperature

Use this setting when you come in and want to enjoy a specific temperature.

1. Push the **AUTO** button until a number and **F** flash. Let go.
2. While it is still flashing, push the **▲** and **▼** buttons to the temperature you want. Let go.

Your fireplace will reach that temperature and the remote will check the temperature every five minutes, adjusting the amount of fuel needed to give you a steady, even heat.



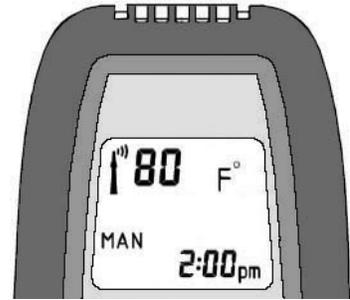
Remote Control Operation

Setting the flame

Use this setting when you want a particular flame level. For instance, you want to watch flames burn at their highest level and you don't mind if the room is too hot.

1. To raise the flame, press and hold the ▲ button until the flame gets to the desired level. Let go.
2. To lower the flame, press and hold the ▼ button until the flame gets to the desired level. Let go.

The **flame level** will remain just as you set it.



Automatic ON/OFF

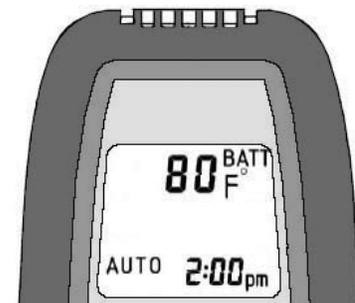
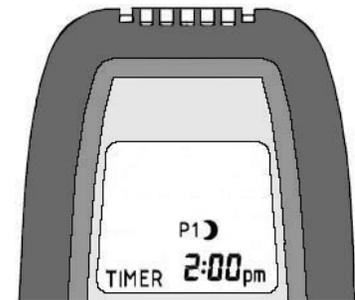
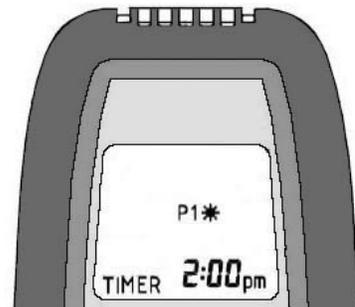
You can set your fireplace to come on before you wake up and turn off after you leave and then, turn on again just before you come home and turn off after going to bed.

You can leave it like this for the heating season.

1. Decide what temperature you want your fireplace to be at. Also, decide what time you want your fireplace to turn on and off. Finally, decide what time you want it to come back on and off in the afternoon or evening. For the first few times you set the timer, it's handy to write these times down.
2. Set the temperature (just as you did in the section *Setting the temperature*.)
3. Press the **TIMER** button and hold it until **P1** ☀ appears and flashes. Let go. While flashing, push the buttons ▲ (hour) and ▼ (minutes) to set the time at which you want your fireplace to turn on in the morning.
4. Press the **TIMER** button and hold it until **P1** ☾ appears and flashes. Let go. While flashing, push the buttons ▲ (hour) and ▼ (minutes) to set the time at which you want your fireplace to turn off when you leave.
5. Press the **TIMER** button and hold it until **P2** ☀ appears and flashes. Let go. While flashing, push the buttons ▲ (hour) and ▼ (minutes) to set the time at which you want your fireplace will turn on again in the afternoon.
6. Press the **TIMER** button and hold it until **P2** ☾ appears and flashes. Let go. While flashing, push the buttons ▲ (hour) and ▼ (minutes) to set the time at which you want your fireplace to turn off in the evening.

Note: If you want to set your fireplace for only one time on and off, set **P2** ☀ and **P2** ☾ for the same times as **P1** ☾. The remote will record the **P1** ☾ off time for both **P2** times.

To temporarily override the timer setting, just press **AUTO** or ▲ and ▼ to go back to manual settings. Press **TIMER** to go back to your settings.



When your remote control displays **BATT**, you need to replace the battery with a new 9 volt **alkaline** battery—6LR61/MN1604.

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 to the receiver.

Lighting Instructions

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.

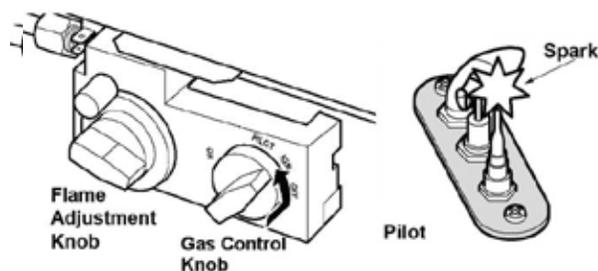
- A. This appliance has a pilot, which must be lighted by hand. When lighting the pilot, follow these instructions exactly. To save energy, turn the pilot off when not using the appliance.
- B. **BEFORE LIGHTING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
 - Do not touch any electric switch; do not use any phone in your building.
 - Immediately call your gas supplier from a neighbor's phone. Follow the 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 controls 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. Set the flame adjustment knob as far clockwise ↻ as possible*.
3. Turn the gas control knob clockwise ↻ to OFF.
NOTE: The knob cannot be turned from PILOT to OFF unless it is pushed in partially. Do not force.
4. 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. If you don't smell gas, go to the next step.
5. Find the pilot. It is at the left side of the firebox viewed through slotted hole in front log.
6. Push in and turn the gas control knob counterclockwise until resistance is felt just before the "IGN" position.
7. Keep pushed in for a few seconds to allow gas to flow then, keeping knob depressed, turn to "PILOT" to light pilot. Hold knob in for a further 5 seconds then release. The knob should pop back out. Pilot should remain lit. If pilot goes out repeat steps 3 through 7.
 - If knob does not pop out when released, stop and immediately call your service technician or gas supplier.
 - If pilot lights but will not stay lit after several tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.
8. When pilot is lit, partially depress the knob and turn to "ON" position (Burner alight).
 - Do not leave knob set between "PILOT" and "ON".
9. Set the flame height to desired setting*.



TO TURN OFF GAS TO APPLIANCE

1. Set the flame adjustment knob as far clockwise ↻ as possible*
2. Push in gas control knob slightly and turn clockwise ↻ to "OFF". Do not force.

* The flame height can be increased or decreased by depressing the remote control hand set button.

Options

Venting (required)

Approved venting accessories as per local codes.

Inner Front (required)

See your dealer for your choice of Inner Fronts.

Outer Surrounds, Trims & Frets (optional)

See your dealer for your choice of Outer Surrounds and Trims and Frets.

Optional Accessories

770ZCK—Zero Clearance Kit

759EBL—Enamel Liner

754RSK—Rock Set Kit

760CBL—Ceramic Black Liners (fluted)

Conversion Kit (optional)

738PGK—Conversion Kit to Propane Gas

738NGK—Conversion Kit to Natural Gas

Hearth Gate (optional)

Hearth gates such as Kidco's are available at retail stores carrying safety products for children.

Warranty

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 first purchaser/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 purchaser 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:

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

2. Two-Year Parts Warranty

In addition, for two (2) years from the date of purchase, the Company, at its option, can 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 of purchase.
- 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 first purchaser or user 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) This 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) Damage due to 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 first purchaser or user resides may provide specific rights to extend 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 purchaser/user the wholesale price of any defective parts.

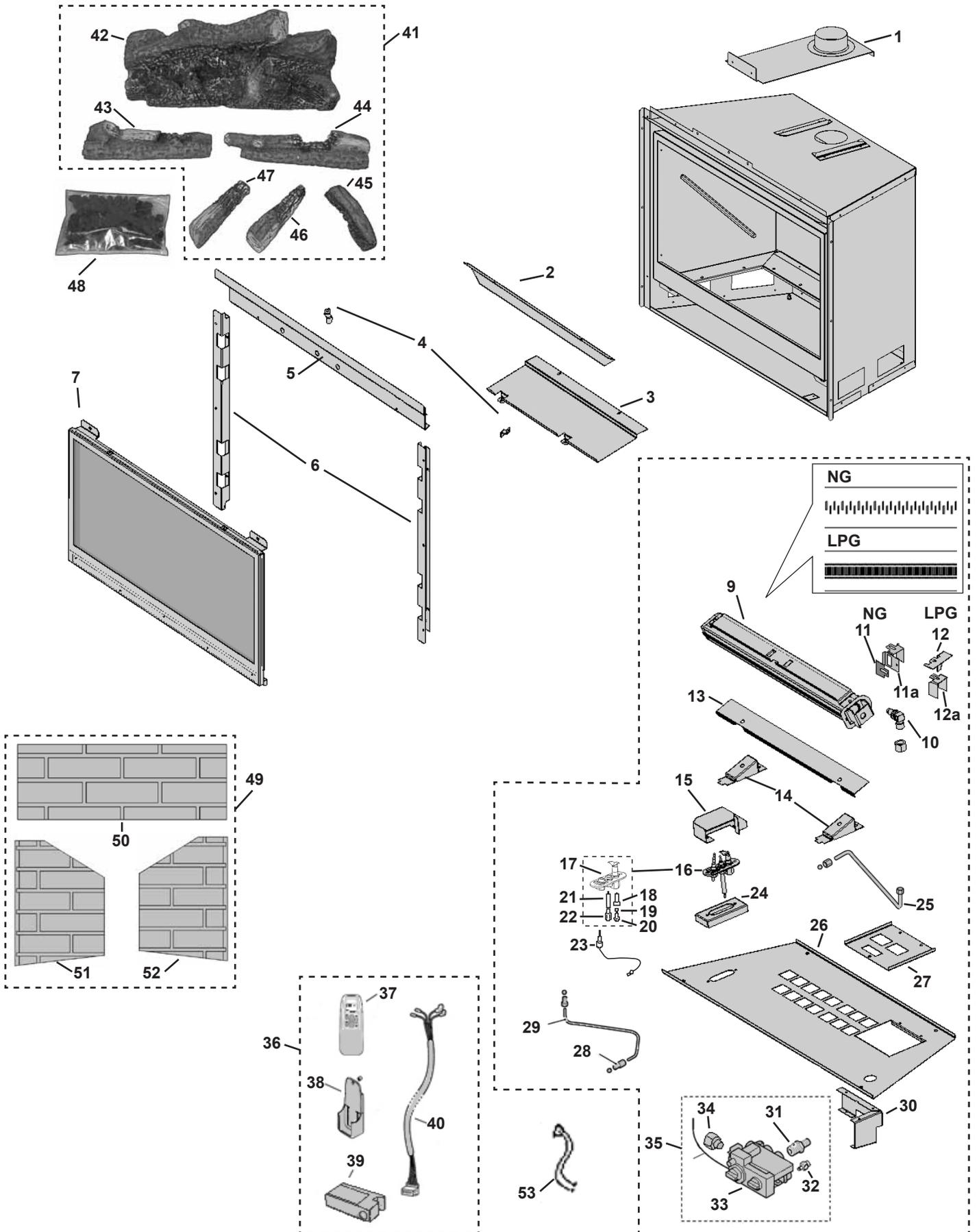
5. No Other Warranty

All obligations to repair this unit are defined in this warranty. Some states or provinces may specifically mandate additional warranties 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

| Code | Description | Part Number | Code | Description | Part Number |
|------|--|-------------|------|-----------------------------|-------------|
| 1 | Exhaust Slide Assembly | 4000127 | 31 | Pipe Connector | 220K891 |
| 2 | Port Cover | 4001820AH | 32 | Thermocurrent Interruptor | 4000202 |
| 3 | Log Support | 4001841 | 33 | GV34 Valve w by-pass 125 | 4000056 |
| 4 | Side Bricks Anchors (2) | 4001283 | 34 | Inlet Brass Connector | 4000746 |
| 5 | Top Mounting Bracket | 4000136BY | 35 | GV34 Valve Assembly | 4000251 |
| 6 | Side Mounting Brackets (2) | 4000135BY | 36 | Remote Control Thermostatic | 4000099 |
| 7 | Window Assembly | 4001378 | 37 | Remote Control Handset | 4000327 |
| 8 | Burner Assembly NG | 4001180 | 38 | Handset Wall Holder | 9000008 |
| | Burner Assembly LPG | 4001181 | 39 | Receiver | 4000328 |
| 9 | Burner Rail NG | 4001665 | 40 | Wiring Harness | 4000329 |
| | Burner Rail LPG | 4001666 | 41 | Log Set Complete | 4001696 |
| 10 | Injector Elbow (Main Burner) NG | 9730012 | 42 | Rear Log | 4001697 |
| | Injector Elbow (Main Burner) LPG | 9730007 | 43 | Front Left Log | 4001699 |
| 11 | Air Shutter Cover NG | 4002346 | 44 | Front Right Log | 4001700 |
| 11a | Air Shutter Slider NG | 4002345 | 45 | Right Cross Log | 4001701 |
| 12 | Flashback Shield LPG | 3000371 | 46 | Middle Cross Log | 4001698 |
| 12a | Air Shutter Slider LPG | 320B293 | 47 | Left Cross Log | 4001772 |
| 13 | Burner Baffle | 4001784 | 48 | Loose Coals | 4001843 |
| 14 | Burner Mounts (2) | 4001678 | 49 | Brick Set Complete | 4001515 |
| 15 | Pilot Shield | 4000144 | 50 | Rear Brick Panel | 4001811 |
| 16 | Pilot Assembly NG | 4000062S | 51 | Left Brick Panel | 4001809 |
| | Pilot Assembly LPG | 4000063S | 52 | Right Brick Panel | 4001810 |
| 17 | Pilot Bracket | 720A542 | 53 | Vent Switch Assembly | 4000204 |
| 18 | Pilot Injector NG—No 35 | 4002511 | | | |
| | Pilot Injector LPG—No 27 | 720A195 | | | |
| 19 | Hooked Olive for Pilot Injector | 720A196 | | | |
| 20 | Olive Nut for Pilot Pipe | 420K385 | | | |
| 21 | Electrode | 720A543 | | | |
| 22 | Electrode Retaining Nut | 720A200 | | | |
| 23 | Thermocouple | 4000061 | | | |
| 24 | Pilot Mount | 4000138 | | | |
| 25 | Pipe—Valve to Main Burner (incl. olive & nuts) | 4000065 | | | |
| 26 | Burner Tray | 4001677 | | | |
| 27 | Burner Plate Access Panel | 4001681 | | | |
| 28 | Olive Nut for Pilot Pipe | 220K913 | | | |
| 29 | Pipe—Valve to Pilot | 4001838 | | | |
| 30 | Valve Mounting Bracket | 4000141 | | | |

Spare Parts



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.

Please circle where appropriate - ask your installer or your dealer if in doubt. The information provided will be used for customer records only.



| | | | | | | | |
|---|--------------|------------|-----------------|----------------|----------------|------------------|-------|
| Model: 738BX NG (natural gas) LPG (propane) | | Serial No: | | | | | |
| Front/Trim code/description (e.g. 743FVI Double Door FenderFire): | | | | | | | |
| Purchase date (mm-dd-yyyy): | | | | | | | |
| Home Owner Name: | | | | | | | |
| Address: | | | | | | | |
| City: | | | Province/State: | | | Postal Code/Zip: | |
| Phone: () | | | Email Address: | | | | |
| Store Type: | | Fire shop | Hardware | Contractor | Other | | |
| Purchase Decision: | | Male | Female | Both | | | |
| Age: | Under 30 | 30-39 | 40-49 | 50-59 | 60+ | | |
| Heard of this product through: | | | | | | | |
| | Friend | Brochure | Advertising | Mailing | Store | Internet | Other |
| Installation Type: | | | | | | | |
| | New home | Renovation | Other | | | | |
| Reason for Purchase: | | | | | | | |
| Performance | Flame Appeal | Design | Control | Previous owner | Recommendation | Price | Other |
| Dealer Name: | | | | | | | |
| Address: | | | | | | | |
| City: | | | Province/State: | | | Postal Code/Zip: | |
| Phone: () | | | | | | | |

Cut out page, fill information, and mail to Miles Industries Ltd.

Online Warranty registration at www.valorfireplaces.com



Tape Shut



Fold here



Postage
needed

Miles Industries Ltd.
190 - 2255 Dollarton Highway
North Vancouver, BC V7H 3B1
Canada

Online Warranty registration at www.valorfireplaces.com

Were you given all documentation and manuals for your product? YES NO



Thank you for choosing a Valor Product