

# -THE COVE SERIES-

## Installation Instructions



Model Numbers: MQZDV4634N, MQZDV4634LP, MQZDV4634NE, MQZDV4634LPE  
Certified to:  
ANSI Z21.50-2014 • CSA 2.22-2014  
ZERO CLEARANCE VENTED GAS FIREPLACE

Model Numbers: MQZDV3927N, MQZDV3927LP, MQZDV3927NE, MQZDV3927LPE  
Certified to:  
ANSI Z21.88-2014 • CSA 2.33-2014  
ZERO CLEARANCE VENTED GAS FIREPLACE HEATER

### **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 appliance may be installed in an aftermarket, permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes.

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

**INSTALLER:** Leave this manual with the appliance.

**CONSUMER:** Retain this manual for future reference.

**For Propane Horizontal installations the venting must be an additional one foot above the minimum vertical rise off the flue before going horizontal.**



## **DANGER**



**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 shall be installed for the protection of children and other at-risk individuals.



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Printed in Canada May 19, 2016  
Part# 4634MQ-MAN14

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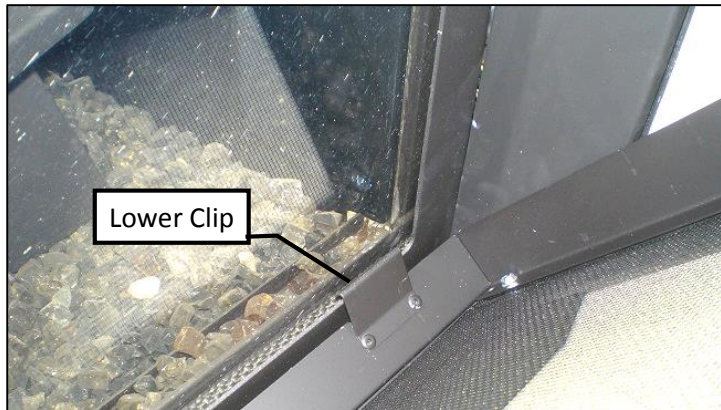
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## MQ3927CSS / MQ4634CSS Installation

**Parts List:** 1 Screen ready to install

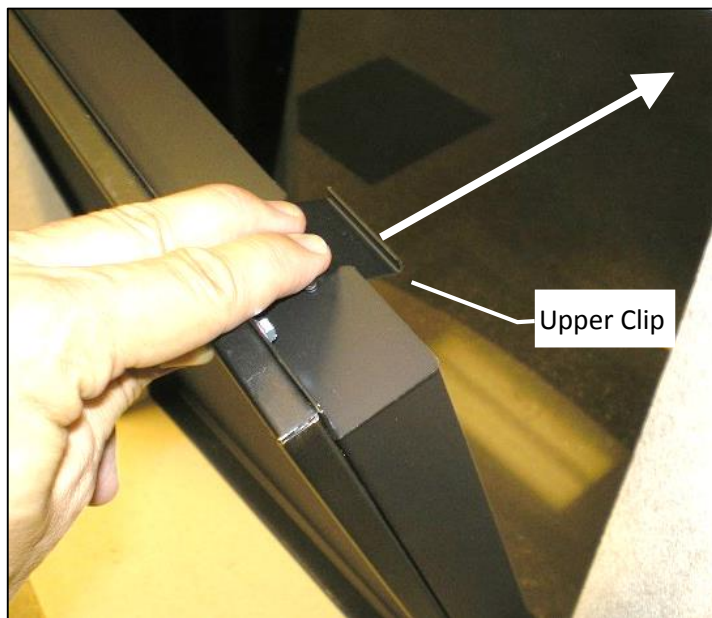
**Screen is Symmetrical from top to bottom**

1. Hook **Lower Clips** onto Glass Door Frame.

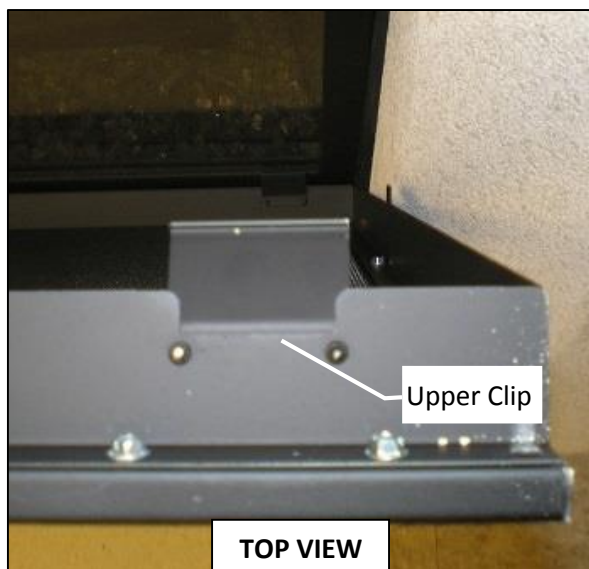


### **⚠ WARNING:**

Wait until unit is **COMPLETELY** cool before touching glass or attempting to install or remove Child Safety Screen.



2. **Upper Clip-** Press down and push upper clip under glass door frame, then release. Clip will hook onto frame.



### **To install screens**

hook bottom clip onto glass door frame, then press down and push upper clip under top glass door frame, then release. Clip will hook onto frame.

### **To remove Safety Screens** **WAIT UNTIL FIREPLACE IS COMPLETELY COOL.**

Press down on upper clips and remove screen from fireplace glass door.

Keep CSS centered between sides.



## Pre-installation Questions and Answers

### About curing of the paint

Your stove or fireplace has been painted with the highest quality silicone stove paint. This paint dries quickly in 15-20 minutes when first applied at the factory. However, due to the high temperature silicone components, the paint will cure when heat is applied to the appliance as it is first used. The following information applies to the curing process to get the paint fully hard and durable.

Fire the appliance four successive times for 10 minutes each firing and a 5 minute cool down between each. Be aware during log and firebox paint curing that a white deposit may be developing on the inside of the glass doors. It is important to remove this white deposit from the glass doors using a commercial fireplace glass cleaner.

- Babies, small children, pregnant women and pets should leave the area during the cure phase.
- Ventilate well, open doors and windows.
- Do not touch during curing.

### Why does my fireplace or stove give off odour?

It is normal for your fireplace to give off some odour. This is due to the curing of the paint, adhesives, silicones and any undetected oil from the manufacturing process as well as the finishing materials used with the installations (e.g. marble, tile and the adhesives used to adhere this product to the walls can react with heat and cause odours).

It is recommended that you burn your gas fireplace or stove for a minimum of four hours at a time with the fan off after the curing of the paint has been completed. These odours can last upward to 40 hours of burn time; keep burning at a minimum of four hours per use until odours dissipate.

### Noise coming from the fireplace?

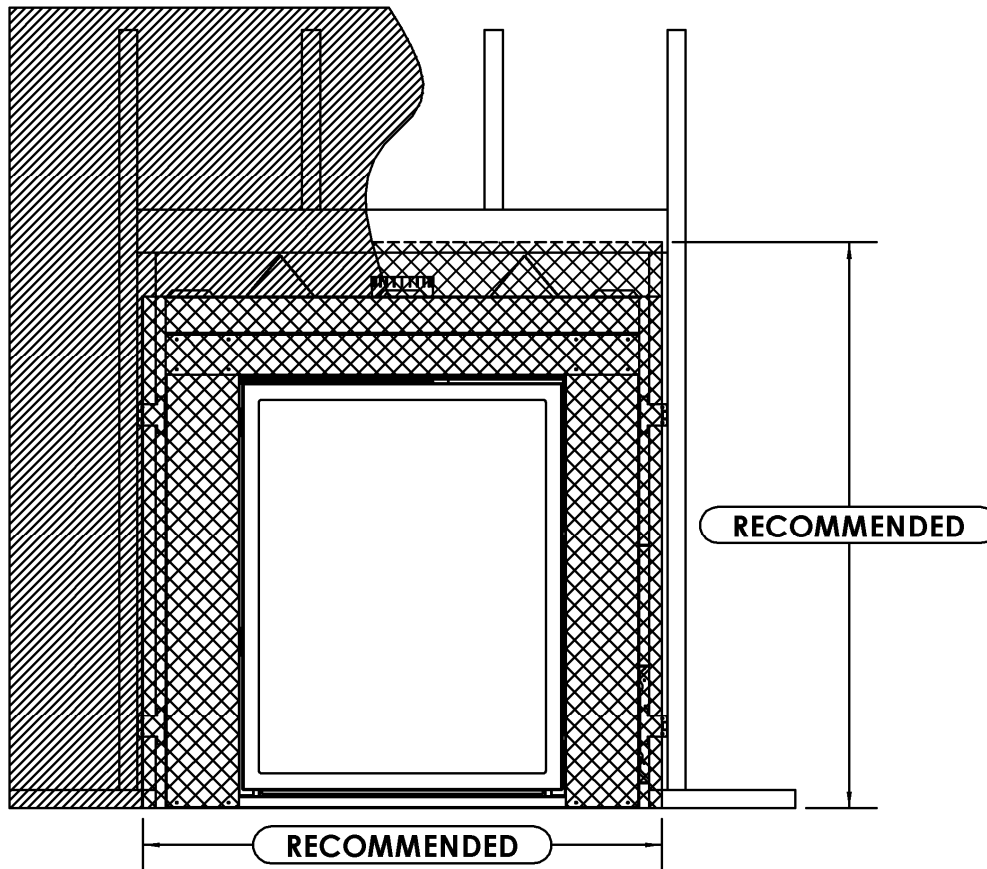
Noise is caused by the expansion and contraction of metal as the appliance heats up and cools down. This is normal and is similar to the sounds produced by a furnace or heating duct. This noise does not affect the operation or longevity of your fireplace.

## Operating Instructions

1. Be sure to read and understand all the instructions in this manual before operation of appliance.
2. Ensure all wiring is correct and properly enclosed to prevent possible shock.
3. Check for gas leaks.
4. Make sure the glass door is properly installed before operation. Never operate the appliance with the glass door removed.
5. Make sure venting and termination cap are installed and unobstructed.
6. If brick or porcelain liners are used, ensure they are installed.
7. Verify that the pilot can be seen when lighting the appliance. If not, the log or rock placement is incorrect.
8. If the unit is turned off, you must wait a minimum of 60 seconds before re-lighting it.

When finishing the wall around the fireplace, it is critical that the wall covering be fastened properly. It is acceptable to pre-drill holes and use self-tapping screws which may be used to fasten a backer for tile, marble, etc. Screws being installed through non-combustible board should be self-tapping type with a maximum length of 2 inches. Wall covering fasteners, such as screws or nails, are not permitted in some locations. Do not drill or install longer screws which may damage internal components.

- Only **non-combustible** materials may be used over the face of the appliance.
- We recommend that DUROCK (non-combustible material) be tied in to the entire perimeter of the fireplace for durability.



**Finishing Recommendations** (Obtained from professional construction contractors and finishers):

- Frame unit with metal studs (minimum 20 gauge).
- Minimum of 1/2" DUROCK cement board (this **non-combustible** panel is ULC listed as a wall shield/floor protector) and fasten to the entire perimeter framing.
- Use fiberglass (mesh) tape for all joints in area of the fireplace.
- Use Yellow joint mud (contains high amounts of glue) – two coats, finishing with one coat of green topping mud, sand and prep for painting.
- If not using a surround, a metal "L" Trim may be used to finish perimeter of DUROCK.
- Refer to the following website for more information on using DUROCK Cement Board: [www.cgcinc.com](http://www.cgcinc.com)

**OTHER NOTES:**

- A **full single sheet** of non-combustible board (no joints) above the unit is recommended if possible.
- It is preferred to attach the non-combustible board to **framing only** and not directly to the unit to allow for expansion and contraction during normal operation.
- Lighter colored painted surfaces may discolor due to heat exposure.

## Mobile Home/Manufactured Housing Installation

This Direct Vent System Appliance must be installed in accordance with the manufacturer's installation instructions and the Manufactured Home Construction and Safety Standard Title 24 CFR, Part 3280, or the current Standard for Fire Safety Criteria for Manufactured Home Installations, Sites, and Communities ANSI/NFPA 501A, and with CAN/CSA Z240 MH Mobile Home Standard in Canada.



### WARNING

#### Securing the Appliance

The appliance must be secured using the four [4] supplied nailing tabs.

Do not compromise the structural integrity of the manufactured home wall, floor or ceiling, during installation of appliance or venting.

#### Grounding

Ground the appliance conduit box to the steel chassis of the mobile home using 8ga copper wire.

Test for proper continuity between the appliance and ground.

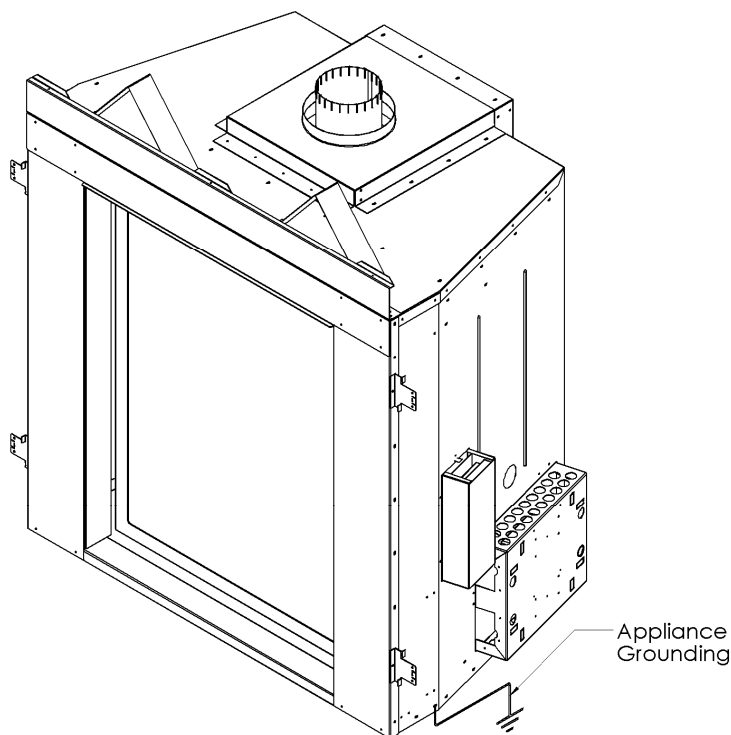


Figure 1 - General mounting and grounding information.

THE MQZDV3927 AND MQZDV4634 MAY BE INSTALLED IN MANUFACTURED (MOBILE) HOMES AFTER FIRST SALE IN THE USA. IN CANADA THE MQZDV3927 AND MQZDV4634 MAY BE INSTALLED IN MANUFACTURED (MOBILE) HOMES.

Please follow the current ANSI/NFPA 70 National Electrical Code in the USA and CAN/CSA C22.1 Canadian National Electrical Code in Canada.

An appliance must be grounded to the steel chassis of the home with 8ga copper wire using a serrated or star washer to penetrate paint or protective coating to insure grounding.

Use carriage bolt at the attachment point (see diagram above) to secure the appliance to the floor.

For required venting components see venting installation in appropriate section of this manual.

Certified for installation in a bedroom or bedsitting room. In Canada this appliance must be installed with listed millivolt thermostat (Thermostats are not permitted for vented [Decorative] gas fireplaces installed in the U.S.A.). In USA see local codes.

# Warnings, Installations and Operations

## Installation Regulations

This gas appliance must be installed by a qualified installer in accordance with local building codes, or in the absence of local codes, with the current CAN/CSA-B149.1 or .2 Installation Code (in Canada) or the current National Fuel Gas Code Z223.1- NFPA 54 when installed in the United States.

This appliance, when installed, must be electrically connected and grounded in accordance with local codes, or in the absence of local codes, with the current CSA C22.1 Canadian Electrical Code or with the National Electrical Code; ANSI/NFPA 70 when installed in the United States.

In the U.S.A. Thermostats are not permitted for Vented Gas Fireplaces (ANSI Z21.50b-Decorative).



## WARNING

### FOR SAFE INSTALLATION AND OPERATION OF YOUR GAS FIREPLACE PLEASE NOTE THE FOLLOWING:

1. Do not clean when the glass is hot.
2. Do not use abrasive cleaners.
3. Using a substitute glass will void all product warranties.
4. For safe operation, glass doors must be closed.
5. When purging the gas line, the glass front must be removed.
6. Do not strike or abuse glass. Take care to avoid breakage.
7. Do not alter gas orifice.
8. No substitute materials may be used other than factory supplied components.
9. This appliance gives off high temperatures and should be located out of heavy traffic areas and away from furniture and draperies.
10. Children and adults should be alerted to the hazards of the high surface temperatures of this appliance and should stay away to avoid burns or ignition of clothing.
11. 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.
12. Under no circumstances should any solid fuels (wood, paper) be used in this appliance.
13. Under no circumstances should this appliance be modified. Any parts that have to be removed for servicing should be replaced prior to operating this appliance.
14. Any safety screen, guard, or barrier removed for servicing an appliance must be replaced prior to operating the appliance.
15. Installation and repair should be done by a qualified service person. The appliance should be inspected before use and at least annually by a professional service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, et cetera. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean. Make sure that the gas valve and pilot light are turned off before you attempt to clean this unit.
16. Clothing or other flammable material should not be placed on or near the appliance. This appliance should not be used as a drying rack for clothing nor should Christmas stockings or decorations be hung from it.
17. Do not use this heater if any part has been under water. Immediately call a qualified service technician to inspect the heater and to replace any part of the control system and any gas control which has been under water.
18. Do not operate appliance unless completely installed as per installation instructions.
19. Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.
20. **WARNING: Do not operate appliance with the glass front removed, cracked or broken. Replacement of the glass should be done by a licensed or qualified service person.**
21. The appliance area must be kept clear and free from combustible materials, gasoline, and other flammable vapors and liquids.
22. The front of the fireplace gives off high temperatures that could ignite combustible material which is kept close to the front of the unit.
23. Ensure that power to the Fireplace is turned off before servicing.
24. Do not operate this Fireplace without the glass front or with a broken glass.
25. Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance. For assistance or additional information consult a qualified installer, service agency, or the gas supplier.
26. Operation of this appliance when not connected to a properly installed and maintained venting system or tampering with the blocked vent shutoff system can result in carbon monoxide (CO) poisoning and possible death.
27. This appliance is equipped with a three-prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.



## DANGER



**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 shall be installed for the protection of children and other at-risk individuals.

- Gas fired appliances may be used only for supplemental heat and/or decorative purposes and under no circumstances shall they provide a primary heat source.
- This appliance must not be connected to a chimney flue serving a separate solid-fuel burning appliance.

NOTE: It is recommended that a Carbon Monoxide (CO) Detector be installed in or near bedrooms and on all levels of your home. Place a detector about 15ft [4.5m] outside the room that houses your gas appliance.

**Certified for installation in a bedroom or bed/sitting room. In Canada must be installed with listed millivolt thermostat.**

**In the U.S.A. Thermostats are not permitted for Vented Gas Fireplaces (ANSI Z21.50b-Decorative).**

**In USA see local codes.**

## Operations and Maintenance Instructions

For safe installation and operation note the following:

- Venting systems should be periodically examined by a qualified agency.
- The flow of combustion and ventilation air must not be obstructed.
- The Burner/Log Assembly has been engineered and permanently adjusted for proper flame control.
- Periodically remove the logs from the grate assembly and vacuum any loose particles from the grate and burner areas. See Log Placement page to remove logs. Vacuum burner parts and replace logs.
- Never use your gas fireplace as a cooking device.
- Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

## Installation Requirements for the Commonwealth of Massachusetts

In the Commonwealth of Massachusetts, the installer or service agent shall be a plumber or gas fitter licensed by the Commonwealth. When installed in the Commonwealth of Massachusetts or where applicable codes; the unit shall be installed with a CO detector per the requirements listed below.

1. For direct-vent appliances, mechanical-vent heating appliances or domestic hot water equipment, where the bottom of the vent terminal and the air intake is installed below four feet above grade the following requirements must be satisfied:
  - A. If there is not one already present, on each floor level where there are bedroom(s), a carbon monoxide detector and alarm shall be placed in the living area outside the bedroom(s). The carbon monoxide detector shall comply with NFPA 720.
  - B. A carbon monoxide detector shall be located in the room that houses the appliance or equipment and shall:
    - Be powered by the same electrical circuit as the appliance or equipment such that only one service switch services both the appliance and the carbon monoxide detector;
    - Have battery back-up power;
    - Meet ANSI/UL 2034 Standards and comply with NFPA 720; and
    - Have been approved and listed by a Nationally Recognized Testing Laboratory as recognized under 527 CMR.
  - C. A Product-approved vent terminal must be used, and if applicable, a Product-approved air intake must be used. Installation shall be in strict compliance with the manufacturer's instructions. A copy of the installation instructions shall remain with the appliance or equipment at the completion of the installation.
  - D. A metal or plastic identification plate shall be mounted at the exterior of the building, four feet directly above the location of vent terminal. The plate shall be of sufficient size to be easily read from a distance of eight feet away, and read "Gas Vent Directly Below".
2. For direct-vent appliances, mechanical-vent heating appliances or domestic hot water equipment where the bottom of the vent terminal and the air intake is installed above four feet above grade the following requirements must be satisfied:
  - A. If there is not one already present, on each floor level where there are bedroom(s), a carbon monoxide detector and alarm shall be placed in the living area outside the bedroom(s). The carbon monoxide detector shall comply with NFPA 720.
  - B. A carbon monoxide detector shall:
    - Be located in the room that houses the appliance or equipment;
    - Be either hard-wired or battery powered or both; and
    - Shall comply with NFPA 720.

A Product-approved vent terminal must be used, and if applicable, a Product-approved air intake must be used. Installation shall be in strict compliance with the manufacturer instructions. A copy of the installation instructions shall remain with the appliance or equipment at the completion of the installation.

For the state of Massachusetts a **T-handle gas shut-off valve** must be used on a gas appliance. This T-handle gas shut-off valve must be listed and approved by the state of Massachusetts. This is in reference to the state of Massachusetts state code CMR238.



## Vertical Venting in Cold Climates

In cold climate conditions where temperatures go below -10 degrees Celsius or 14 degrees Fahrenheit, we recommend that the chase be insulated and where the vent pipe enters into the attic space that the pipe be wrapped with an insulated Mylar sleeve. This will increase the temperature of the vent and help the appliance to vent properly in cold weather conditions.

It is also important in vertical vented direct vent appliances that the appliance be operated daily during the winter months as this will help stop the termination from freezing up. We recommend using a thermostat (Thermostats are not permitted for vented [Decorative] gas fireplaces installed in the U.S.A.) set at room temperature to allow the unit to cycle.

For IPI models it may be necessary to set the appliance to Standing Pilot mode to maintain heat in the cavity. The purpose of this procedure is to prevent cold air from penetrating the chimney and then onto the living space. Therefore, when the internal temperature is slightly elevated the fireplace is able to freely exhaust its combustion and hence making it easier to startup.

## Locating your Fireplace

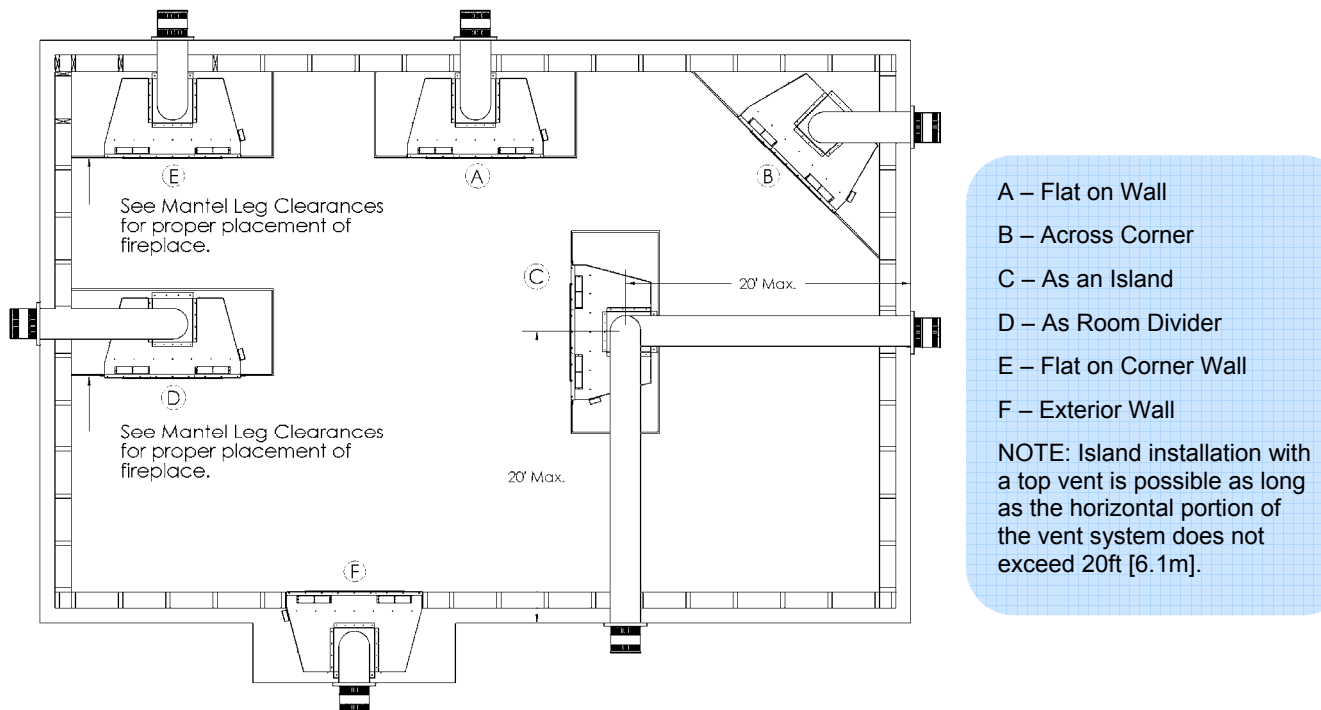
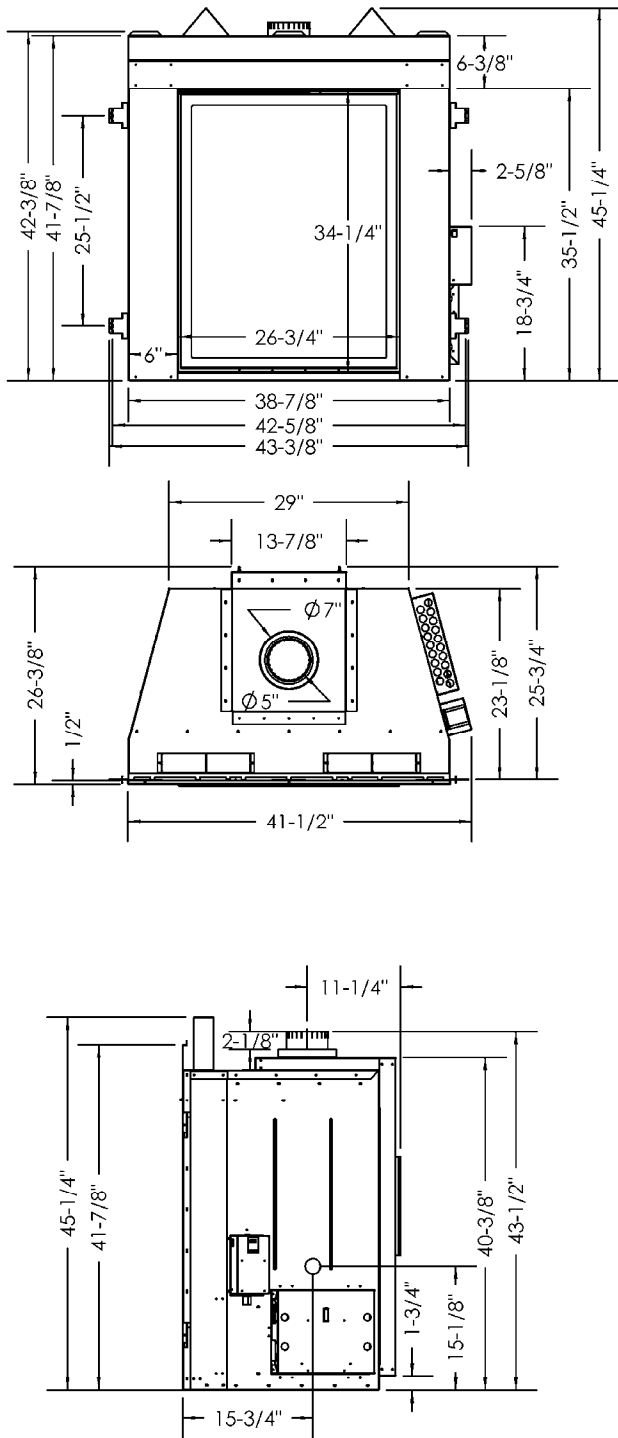


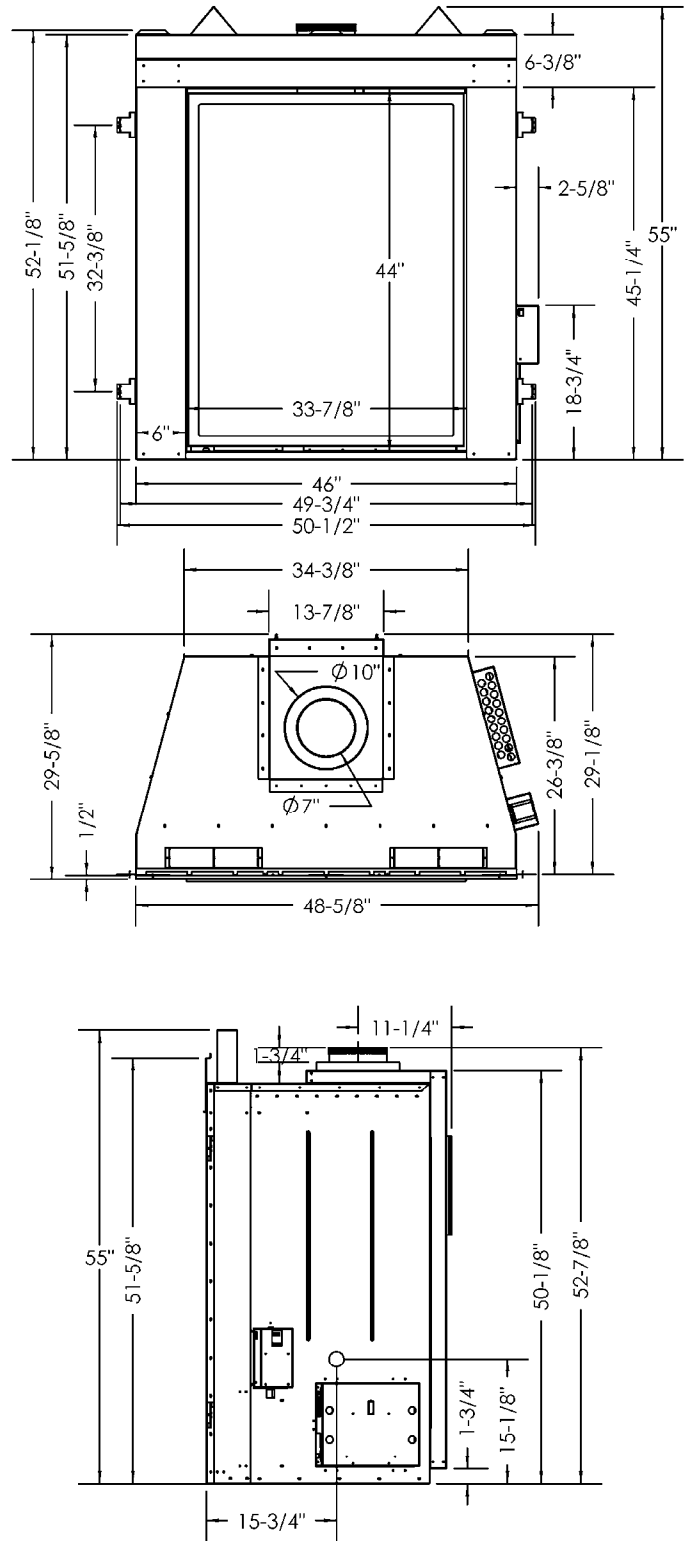
Figure 2 - Suggested location configuration for your fireplace.

# Fireplace General Dimensions

**MQZDV3927**



**MQZDV4634**



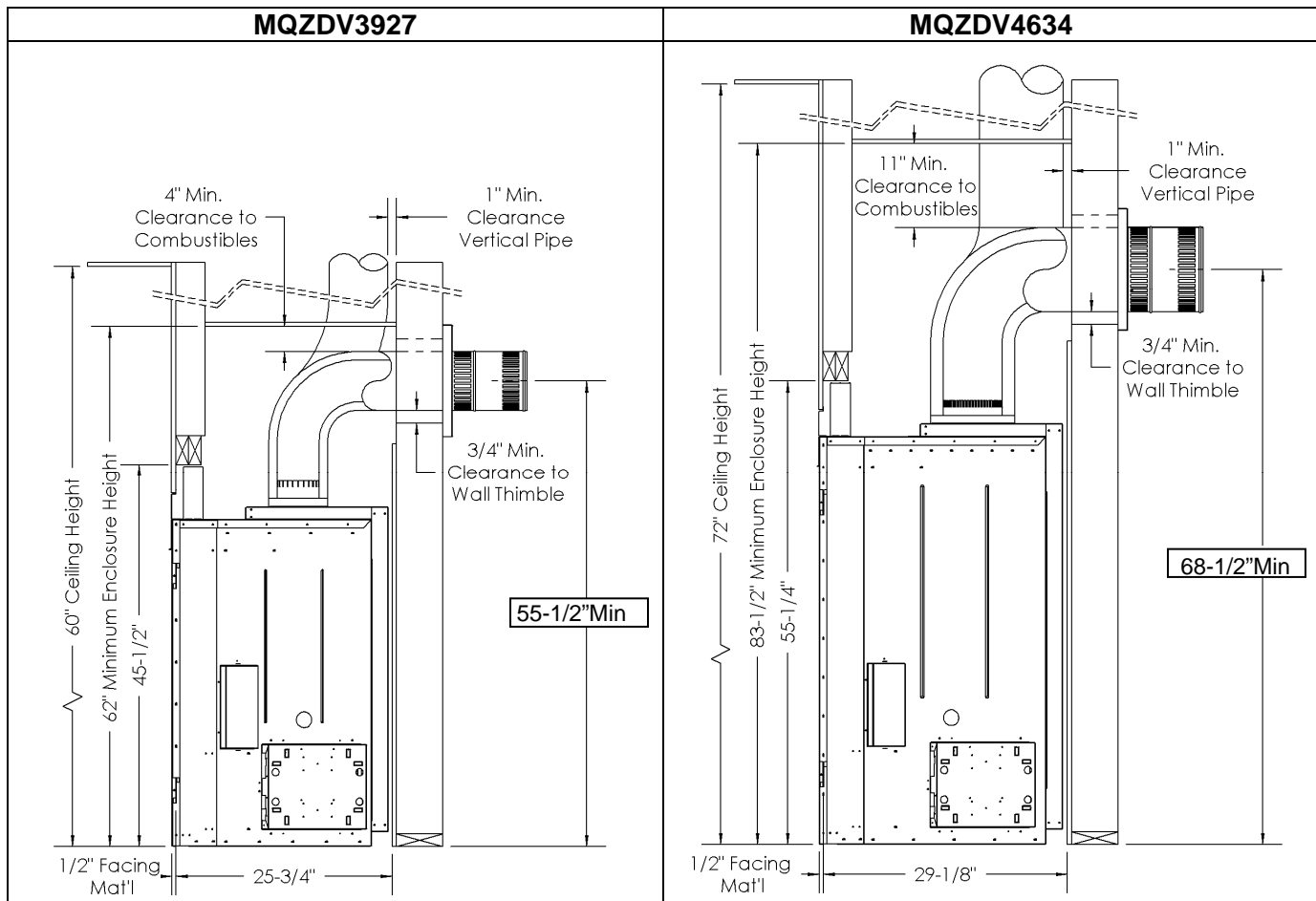
## Framing your Gas Fireplace

**NOTE:** The diagrams shown are only intended to illustrate dimensions. They are not to be used as advice for construction practices. Please have the appliance framed and installed by a qualified installer adhering to local building codes and practices.

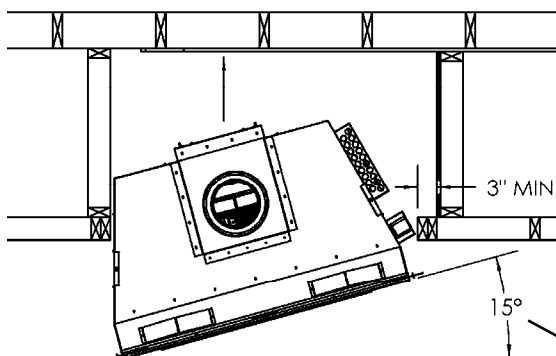
Choose a fireplace location and frame it in accordance with the framing dimensions as illustrated. Bend the four [4] nailing tabs on the side of the appliance forward 90 degrees. Make note that the distance between the front face of the fireplace and the nailing tab is approximately 1/2" [1.27cm]. This implies that 1/2" facing material is required to ensure that the unit is flush with the wall.

### Cold Climate Recommendation

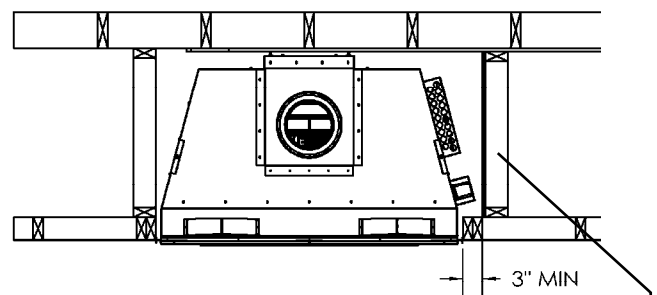
When installing this fireplace against a non-insulated exterior wall or chase, it is recommended that the outer walls be insulated to conform to applicable insulation codes. Drywall must be installed over insulation material to prevent direct contact with the appliance.



**FOR PROPANE HORIZONTAL INSTALLATIONS VENTING MUST BE A MINIMUM OF TWO FEET VERTICAL OFF THE FLUE BEFORE GOING HORIZONTAL.**



NOTE: Rotate Unit Slightly To Insert Into Framing.

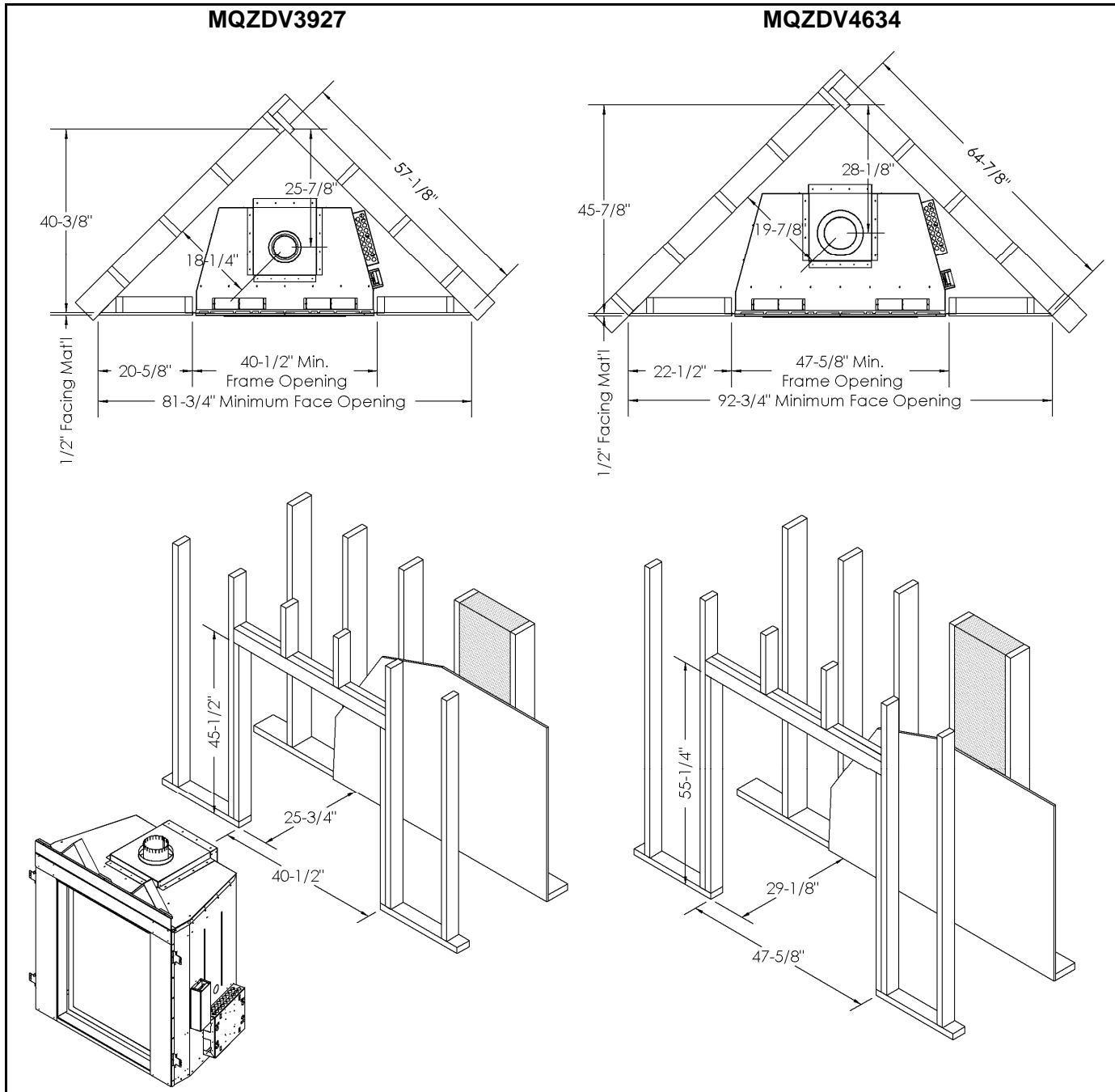


NOTE: Framing must allow electrical boxes to enter wall cavity.

For horizontal venting, with a 90° bend directly from the unit, please note the following: At the top of the 90° bend there must be a clearance of at least 4" [10.1cm] for the MQZDV3927 and 11" [27.9cm] for the MQZDV4634 between the pipe and any combustible material. For the rest of the length, along the top of the horizontal pipe, a minimum clearance of 2-1/2" [6.4cm] for the MQZDV3927 and 3-1/2" [8.9cm] for the MQZDV4634 is required. Please refer to the Venting section of this manual for a detailed guide in vent configurations.

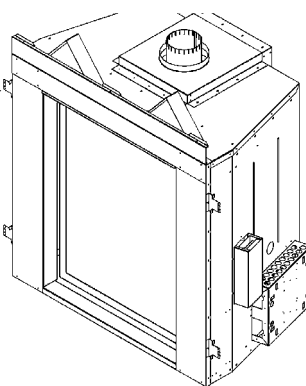
This unit allows for flooring or hearth material to extend 1-3/4" [4.4cm] above the bottom of the fireplace. Refer to the facing material section for dimensions and details. Make note of the non-combustible material areas.

The minimum ceiling height for this unit is 5ft [1.52m] for the MQZDV3927 and 6ft [1.83m] for the MQZDV4634. Please note that it is possible to raise the appliance above the floor. However, it is crucial to maintain the minimum ceiling height. For example: If the height from the floor to the ceiling of the living space is 10ft [3.05m] then the appliance can only be raised a maximum of 5ft [1.52m] for the MQZDV3927 and 4ft [1.22m] for the MQZDV4634.



## 3927 / 4634 Nailing Tab Guide

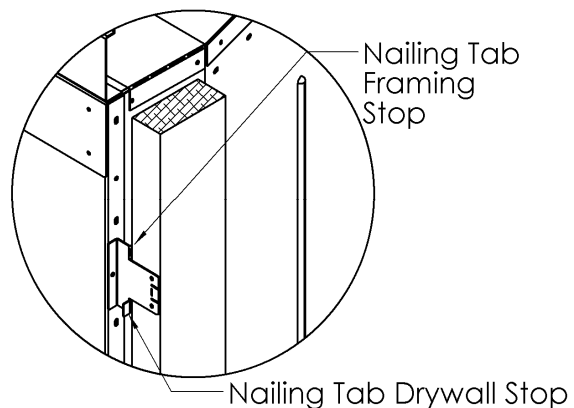
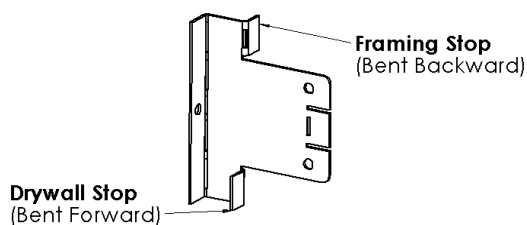
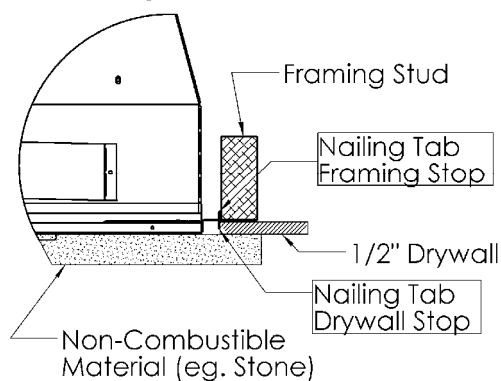
[Qty] 2 Nailing Tabs are located on each side of the fireplace front frame.



### These Nailing Tabs can be used in two ways:

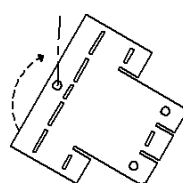
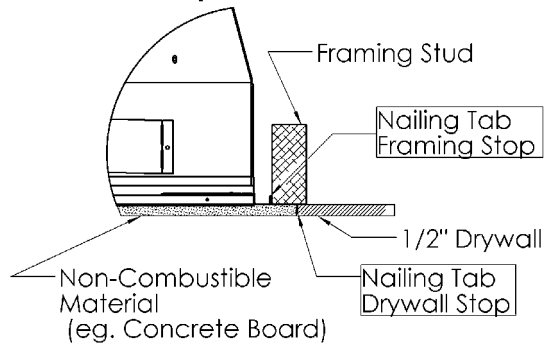
**1/2" Drywall Flush with Face of Fireplace –**  
Fireplace and Combustible Wall to be covered with Non-Combustible Materials (e.g. Stone around Fireplace).

#### Top View

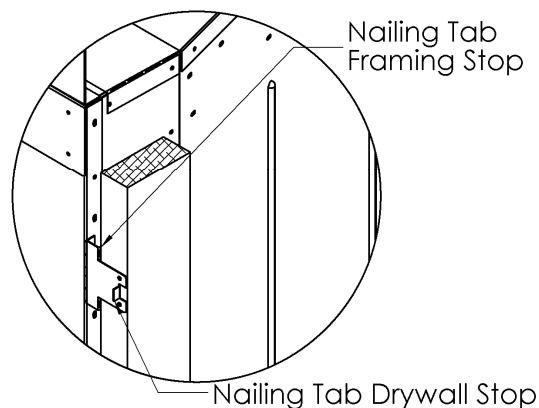
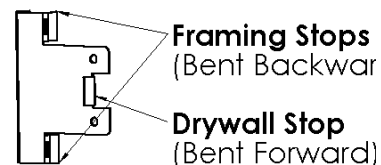


**Framing Flush with Face of Fireplace -Fireplace to be covered with Non-Combustibles (e.g. Concrete Board) for Flat Wall appearance.**

#### Top View



**Nailing Tabs Must be Rotated 180° and Folded Back onto Framing Stud.**





# Facing Material Requirements

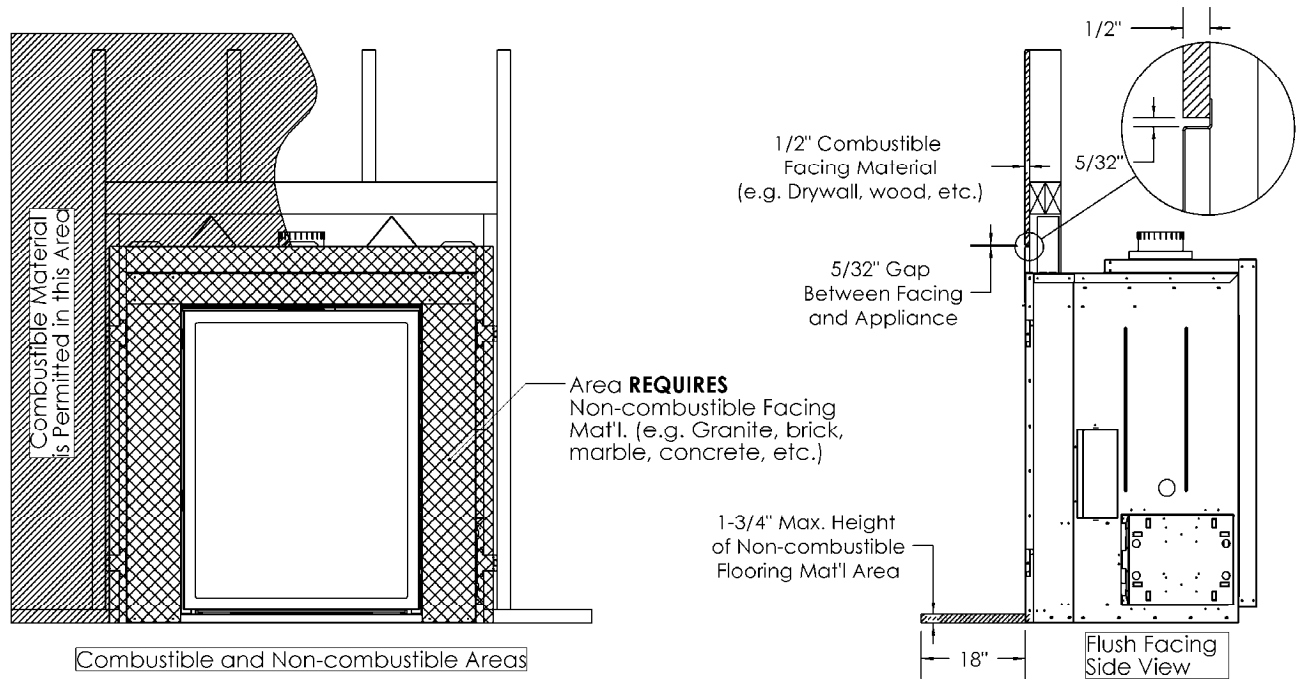


Figure 1 - Facing material installation requirements.

## Clearance to Combustibles

	MQZDV3927	MQZDV4634
Front	36" [92cm]	36" [92cm]
Back	0" [0cm]	0" [0cm]
Side (from Stand-offs)	0" [0cm]	0" [0cm]
Floor*	0" [0cm]	0" [0cm]
Min. Ceiling Height (from bottom of fireplace)	60" [152cm]	72" [183cm]
Top (from Stand-offs)	0" [0cm]	0" [0cm]
Top of 90° Bend in the Enclosure	4" [10.2cm] All Vent Systems	11" [27.9cm] All Vent Systems
Top of Horizontal Pipe	2-1/2" [6.4cm] All Vent Systems	3-1/2" [8.9cm] All Vent Systems
Side & Bottom of Horizontal Pipe	1" [2.5cm] All Vent Systems	1" [2.5cm] All Vent Systems
Vertical Vent Pipe	1" [2.5cm] All Vent Systems	1" [2.5cm] All Vent Systems
	1-1/4" [3.2cm] DuraVent-DirectVent Pro / AmeriVent / Selkirk Direct Temp Systems	1-1/4" [3.2cm] DuraVent-DirectVent Pro / AmeriVent / Selkirk Direct Temp Systems

Table 1 - Clearances to combustibles.

\*If appliance is installed directly on carpeting or other combustible material other than wood flooring, a metal or wood panel extending the full width and depth of the appliance must be used.

## Mantel Clearances

Before installing any mantels it is important to determine the combustibility of its material(s). There are two types of mantels to consider: Combustible and non-combustible.

**MQZDV3927**

**MQZDV4634**

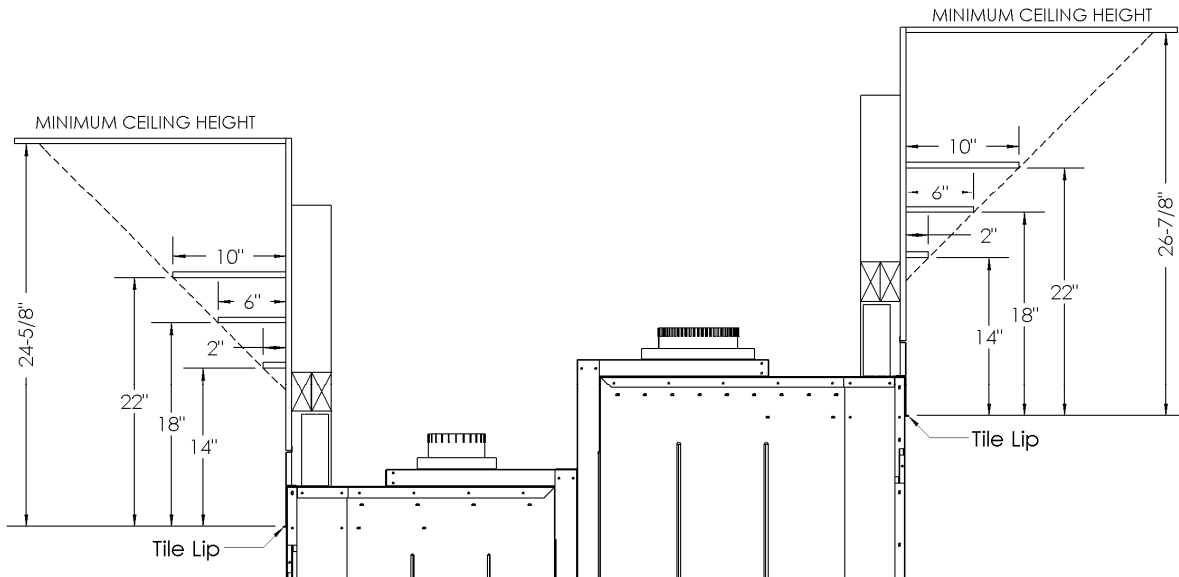


Figure 7 - Mantel clearance to combustible materials requirements.

A combustible Mantel is one that consists of material(s) that may discolor, combust, or lose its integrity in the presence of heat. These types of mantel must strictly conform to the dimensional requirements shown in Figure 7 and Figure 8. Conversely, a non-combustible Mantel is one that is constructed with materials that will not easily combust. Check your local codes and regulations to determine whether your mantel is combustible or non-combustible.

The advantage of a non-combustible mantel is that they may be extended right up to the tile lip. Combustible mantels on the other hand, must adhere to the dimensional restrictions shown in Figure 7.

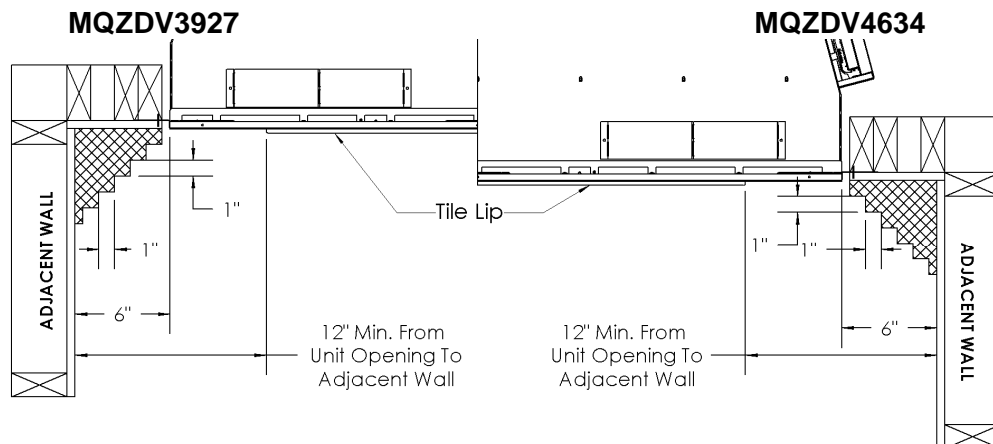


Figure 8 - Mantel leg clearances.



### WARNING

#### Combustible Objects on Non-combustible Mantel

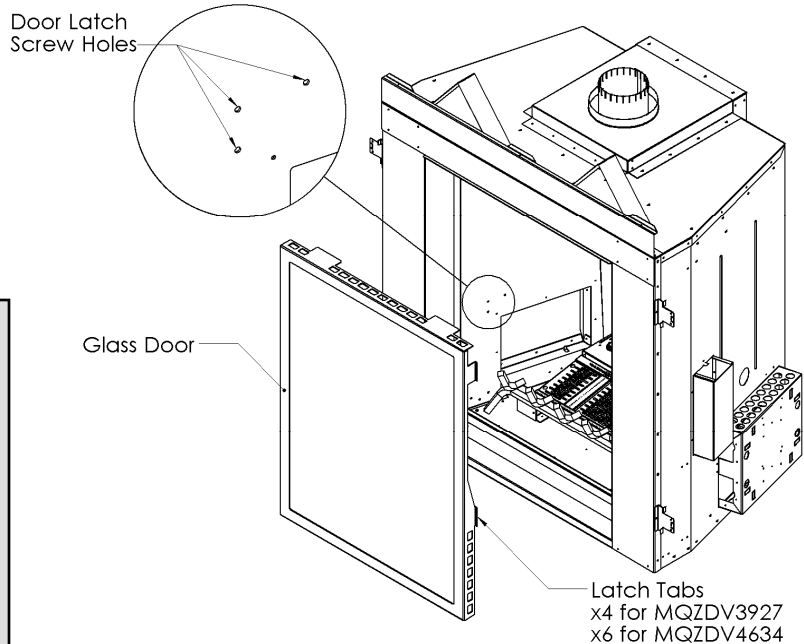
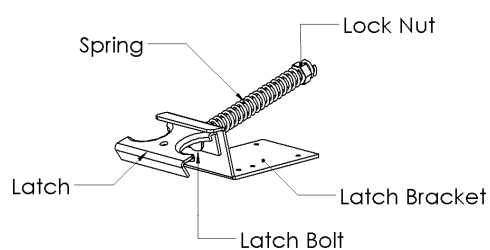
Combustible objects must not be placed on a non-combustible mantel unless the mantel meets the dimensional requirements for a combustible mantel. Refer to Figure 7 to determine whether your mantel conforms to the requirements as a combustible mantel.

## Glass Door and Latch Removal Guide

The latches to secure the glass door are located on the sides of the unit. In the MQZDV3927 model there are four [4] latches in total holding the door in place, while the MQZDV4634 has six [6]. Over time the spring tension on the latches will weaken. If this is the case simply remove the latch assembly by unfastening the hex screws, unbolt the Lock Nut, and replace the springs. Care should be taken when handling the springs. **NOTE: The tension on the springs is specifically set at the factory and must never be changed. Changing the tension can cause damage to the appliance, damage to property, and/or personal injury. When reinstalling the lock nut for spring replacement, tighten it so that two [2] threads are showing past the nut.**

To remove the glass door simply:

1. Unlatch the door with your fingers by pulling the latches forward and away from the firebox to clear the Latch Tabs.
2. Carefully remove the glass door from the appliance.
3. Reinstalling is just the reverse of these steps.



### CAUTIONS AND WARNINGS

1. Do not clean when the glass is hot.
2. The use of substitute glass will void all product warranties.
3. Care must be taken to avoid breakage of the glass.
4. Do not operate this fireplace without the glass front or with a broken glass front.
5. Do not strike or abuse the glass.
6. Use caution when removing broken glass. Wear gloves.

Figure 9 - Glass door and door latch system.

### Glass Cleaning

It will be necessary to clean the glass periodically. During start-up condensation (which is normal) forms on the inside of the glass, and causes dust and lint to cling to the glass surface. Also, initial paint curing can deposit a slight film on the glass. It is therefore recommended that initially the glass be cleaned two or three times with non-abrasive common household glass cleansers and warm water. After that, the glass should be cleaned two or three times a season depending on the usage.

### Glass Replacement

The MQZDV3927 uses ceramic glass while the MQZDV4634 model uses low-e tempered. The thickness for either glass must be 5mm. To replace the glass:

1. Clean all materials from the door frame. Scrape off old silicone down to the metal.
2. Using a high heat silicone temperature-resistant to 500°F [260°C] apply a continuous bead of approximately 1/4" [7mm] to all four sides of frame.
3. Insert the glass with new gasket into the door frame. The frame should be on a flat surface with a small amount of weight used to press the glass into the silicone. Let the whole glass door assembly dry for approximately 15 to 20 minutes.
4. Reinstall the glass door back onto the appliance.

## Brick Liner Panel Installation Guide

1. Remove the glass door, grate bar assembly, and firebox baffle.
2. Tilt the Rear Brick Panel backward and position it against the back firebox wall. The panel can be secured by folding down the two tabs inside the top of the firebox.
3. Tilt the side panels into the firebox as shown, and ask for assistance to help hold them in place. Ensure the side panels are positioned firmly against the back brick panel and against the side of the firebox wall. **Use caution when handling these liner panels as they are fragile.** Use the supplied brick clips to secure the Side Brick Panels in place.
4. Reinstall the baffle using its original screws. NOTE: When reinstalling the baffle, ensure that the integrity of the firebox is not compromised. **The firebox must remain airtight. Use high-temperature Millpac to reseal if necessary.**
5. Reinstall the grate bar assembly.
6. To remove simply reverse these steps.

### Parts List

Part No.	Description	Contents
MQ392RLT, MQ4634RLT	Refractory Liners – Traditional	1ea. Rear Brick Panel
MQ392RLH, MQ4634RLH	Refractory Liners – Herringbone	1ea. Left Side Panel
MQ392RLS, MQ4634RLS	Refractory Liners – Sand Stone	1ea. Right Side Panel

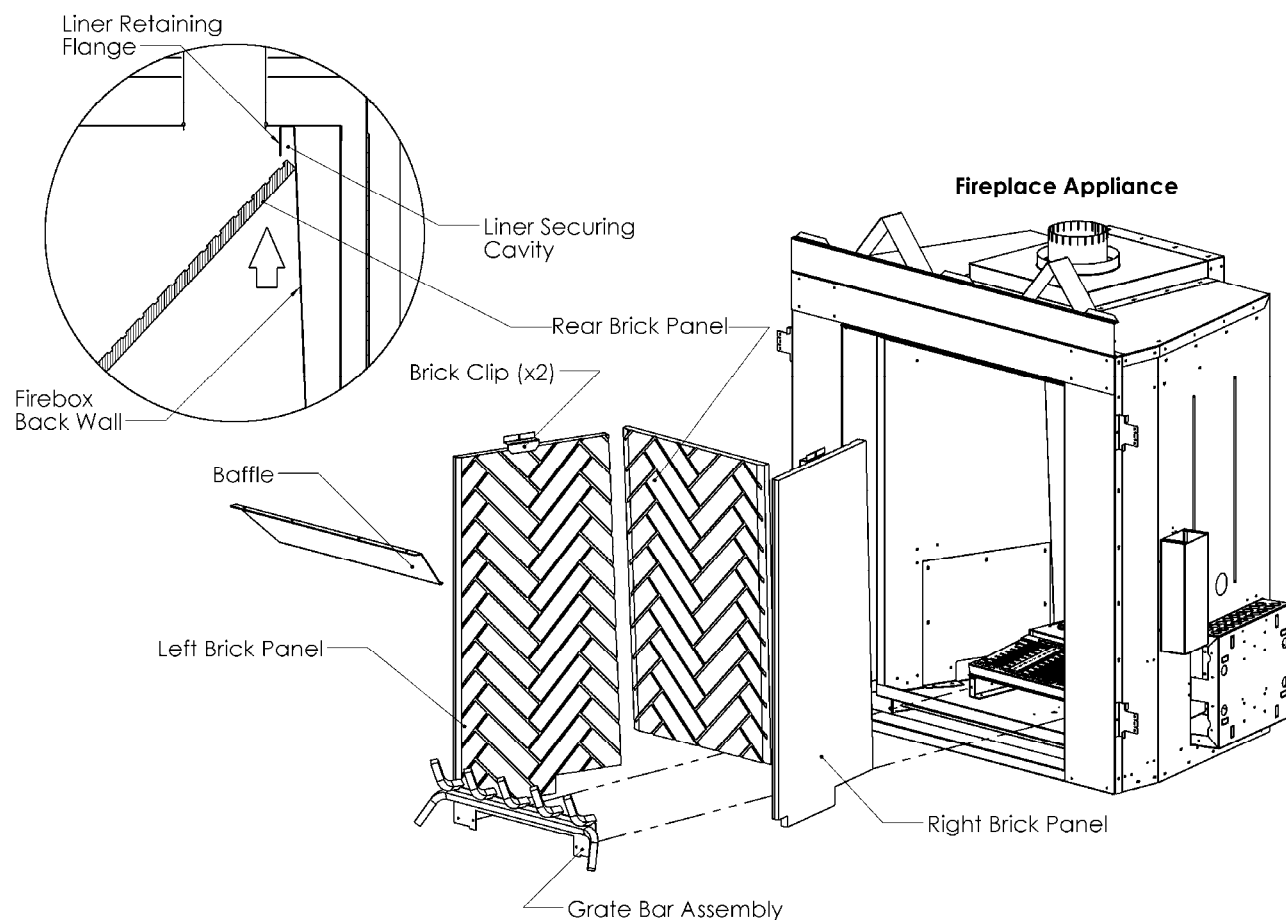


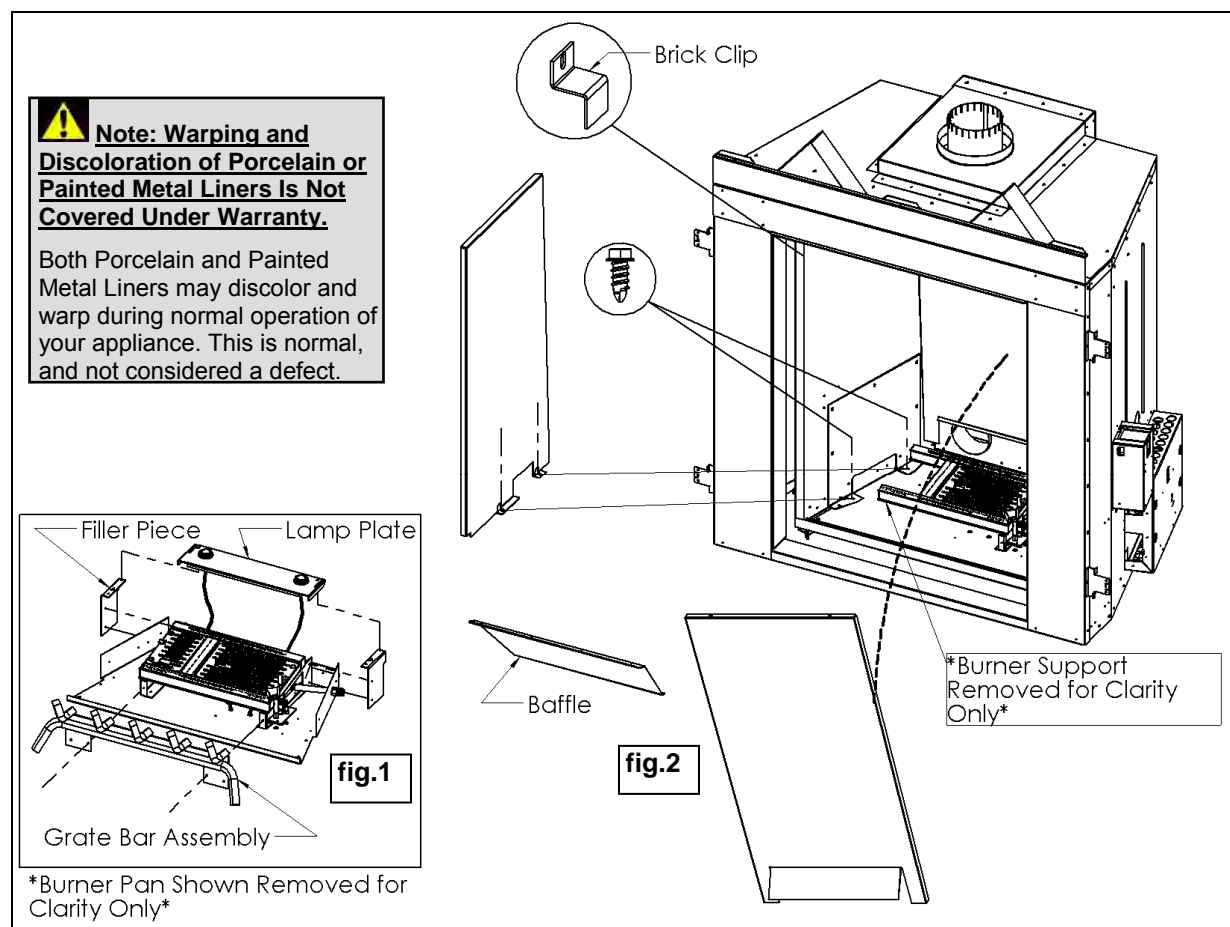
Figure 10 - Brick liner installation guide.

## Metal and Porcelain Liner Panel Installation Guide

1. Remove the glass door, grate bar assembly, and firebox baffle. Remove the screws from the lamp plate and lay it on top of the burner with wires connected. Also remove the left and right filler pieces from the burner pan (See **fig.1** below).
2. Tilt the bottom of the Rear Panel backward and position it against the back firebox wall behind the burner pan. Push the Rear Panel back against the firebox. This panel is secured by the Side Panel once they are installed.
3. Remove the two middle screws from the bottom of the cavity access panels (See **fig.2** below), as well as the brick clips in the upper front of the firebox. Tilt the side panels into the firebox. Begin with top front corner of side panel inside firebox. Ensure the side panels are positioned firmly against the back panel and against the side of the firebox wall. Replace brick clips and screws.
4. Reinstall the baffle using its original screws. NOTE: When reinstalling the baffle, ensure that the integrity of the firebox is not compromised. **The firebox must remain airtight. Use high-temperature Millpac to reseal if necessary.**
5. Replace the left and right filler pieces and the lamp plate on the burner pan. Reinstall the grate bar assembly.
6. To remove Liners, simply reverse these steps.

### Parts List

Part No.	Description	Contents
3927ML, 4634ML	Metal Liner Kit	1ea. Rear Panel 1ea. Left Side Panel 1ea. Right Side Panel
3927PL, 4634PL	Porcelain Liner Kit	2ea. Access Panel Black



**Warning:** Failure to position the parts in accordance with these diagrams or failure to use only parts specifically approved with this appliance may result in property damage or personal injury.



## Access Panels Removal

This unit is equipped with four [4] different access panels: left and right vertical panels, and two [2] firebox cavity cover plates that are located inside the firebox (behind the side liners). NOTE: Cavity cover plates are not installed at the factory.

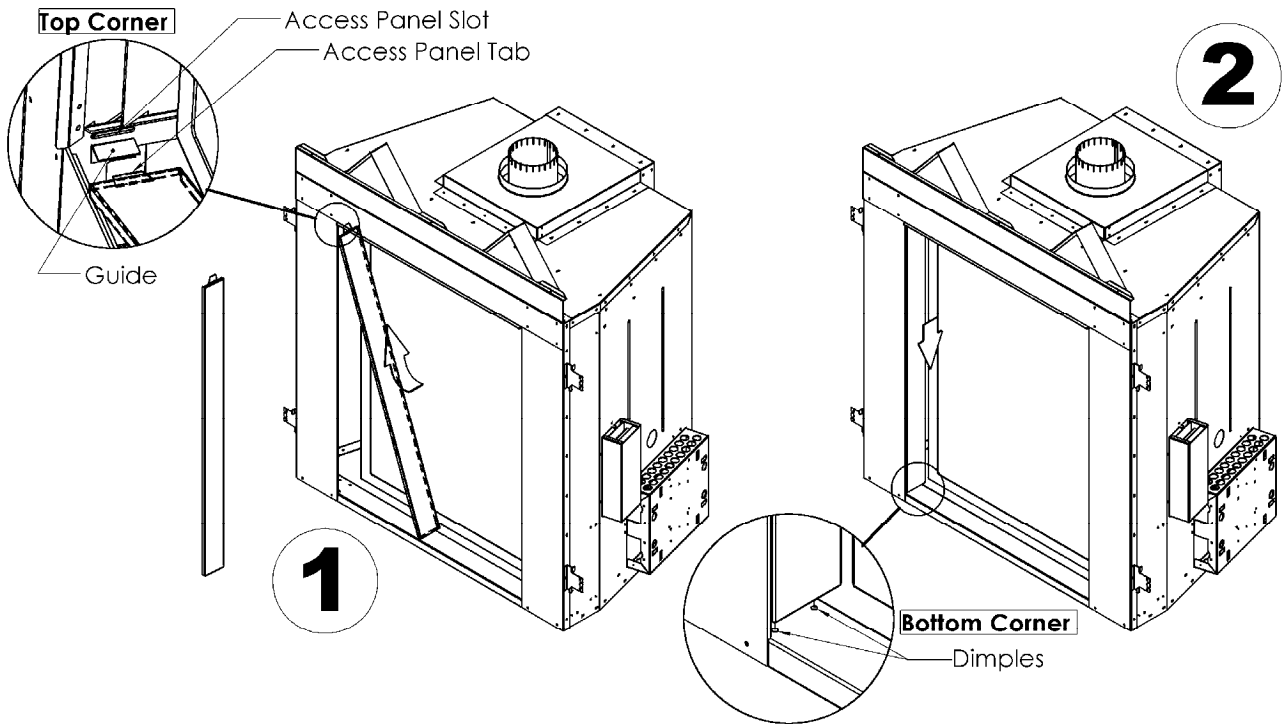


Figure 11 – Installation guide of the Vertical Access Panels.

### Vertical Access Panel

The Vertical Access Panel completely lifts off the unit to provide unobstructed access to the valve assembly, as well as the fan speed switch and Thermodisc (optional). To remove, simply lift the panel up off the locating dimples and swing the bottom outwards and away from the fireplace. **Use caution when handling the panel to ensure that the paint is not scratched.** To reinstall:

1. Insert the upper tab into the Access Panel Slot as shown in Figure 11. A small guide is provided to assist in positioning the upper tab.
2. Swing the lower portion of the panel in so that the holes line up with the lower locating dimples. Carefully set the panel onto the dimples.

### Cavity Access Cover Plate

The Cavity Access Cover Plates provide access to the electrical box and fan assembly (optional). They are located behind the side liner panels and are sealed with **Millpac** and fastened in place with ten [10] screws. **NOTE:** Cavity cover plates are not installed at the factory. They need to be installed by the installer. To remove, simply unfasten the screws and remove. When reinstalling:

1. Ensure that the area is clean and free from old sealant material.
2. Generously apply high temperature **Millpac** to the area and fasten the access plate back with the ten [10] DT screws. Ensure that the plate is sufficiently sealed and secured.

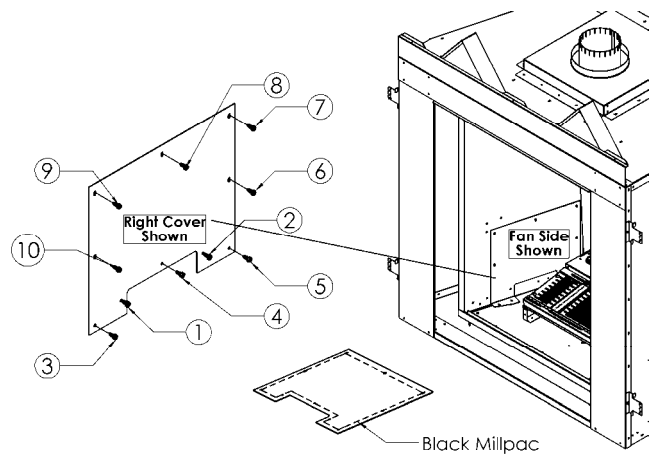


Figure 12 - Cavity Access Plate tightening sequence.

# Z39FK Fan Kit

Fan Installation Instructions for 3927ZDV & 4634ZDV

## Kit Contains:

- Blower Motor QLN65/0018 in housing with 8ft Cord & 2-14" leads
  - Variable speed control w/ Wall Mount
  - Thermodisc
- (Thermodisc Assembly is mounted on the left side of firebox- See illustration below.)



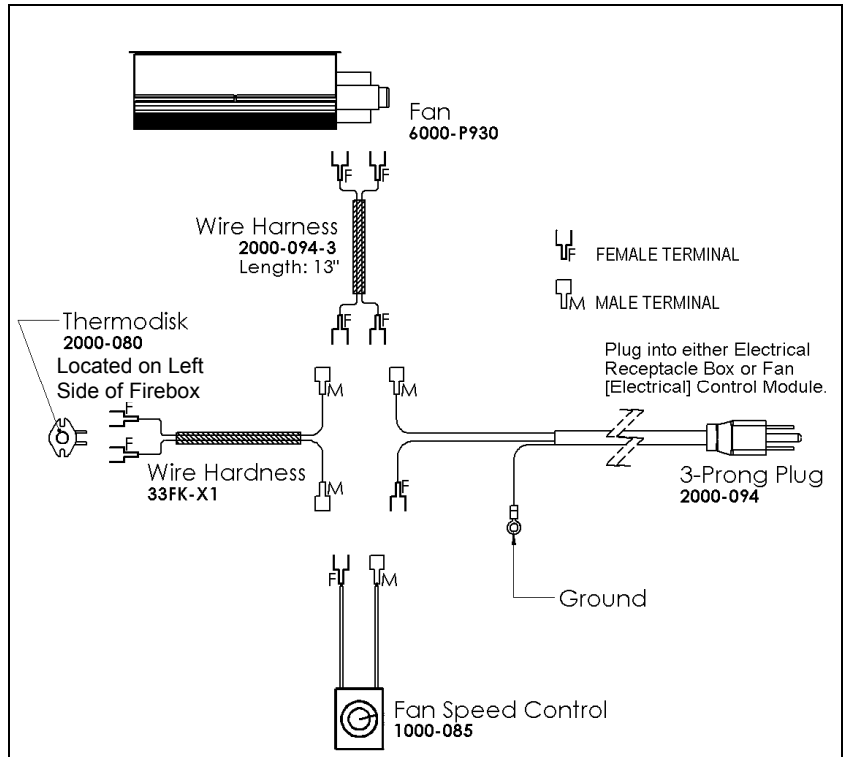
## WARNING

### Electrical Grounding Instructions

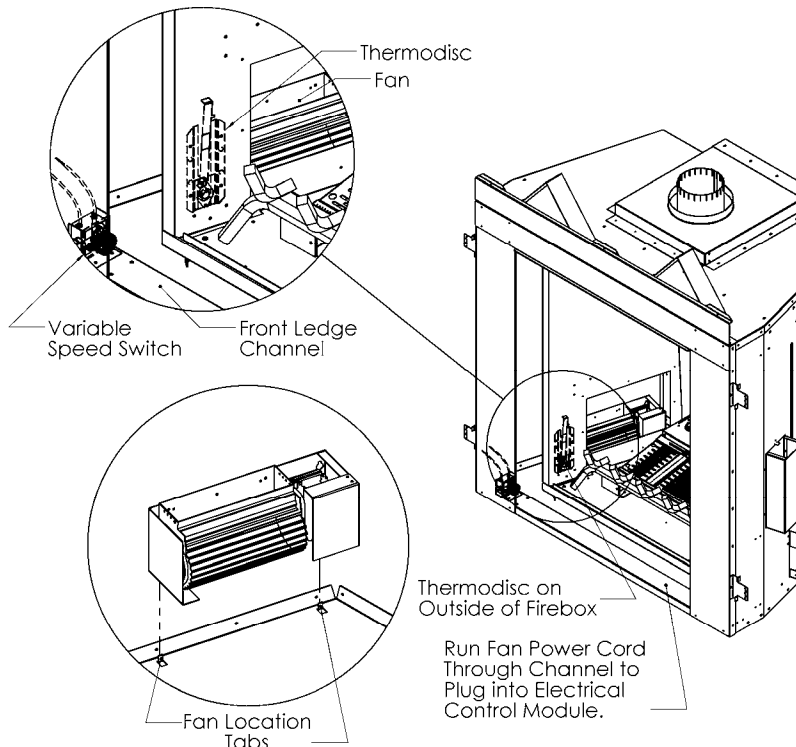
This appliance is equipped with a three prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this.

### Before Servicing

1. Ensure all power supply is shut off.
2. Label all wires prior to disconnecting when servicing control. Wiring errors can cause improper and dangerous operation.
3. For fan servicing: Vacuum and clean lint/dirt build-up on the fan blades and motor.
4. When resealing the Cavity Access Plate, use **Millpac**.



Fan wiring diagram.



Fan location and installation.

NOTE: This fan kit can be controlled either with a variable speed switch and/or the Electrical Control Module. To utilize the control module simply route the fan's 3-prong power cord through the Front Ledge Channel (**this should be done before the unit is secured to Framing**), and plug it into the FAN OUT receptacle. See IPI Electronic Ignition System Section in Manual for more detail.

To install the fan kit:

1. Remove the glass door, left side Cavity Access Plate, and left Vertical Access Panel.
2. Align the fan with the location tabs on the fireplace bottom. Place the fan on top of these tabs and ensure that it is snug.
3. Wire the fan kit in accordance with the illustration in Fan Wiring Diagram above.
4. Slide the Thermodisc into housing on the Left outside of the Firebox.
5. The variable speed switch may be mounted to the left side of the Front Ledge Channel or wall mounted.
6. Seal or re-seal the Cavity Access Plate with generous amount of **Millpac**. Refer to illustration for more detail.

## Split Receptacle-

## Fan Speed Control Outside of Fireplace

If you plan to locate the variable speed control switch for the fan outside of the fireplace and you require a constant source of AC power inside the unit for another accessory such as lights or an IPI valve system, follow one of the procedures below.

### ⚠ WARNING

A qualified electrician must connect electrical wiring to junction outlet for built-in installation.

**Follow all codes.**

### ⚠ WARNING

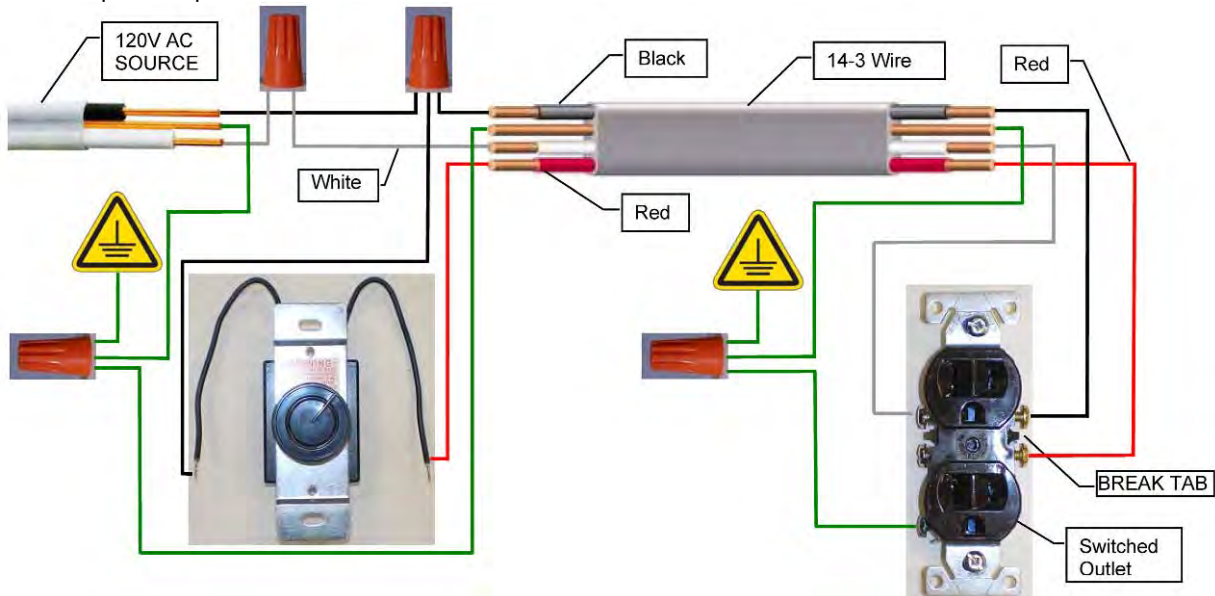
**Electrical Grounding Instructions –**  
This appliance is equipped with a three – pronged (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle.

### ⚠ WARNING

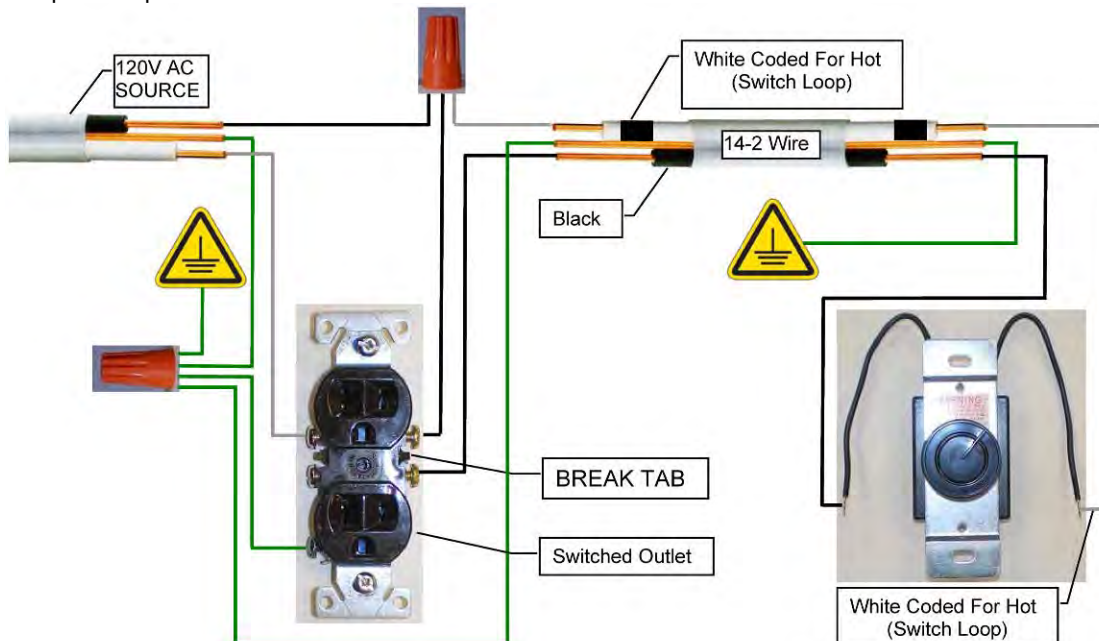
Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation and servicing.

**⚠ Caution:** Electrical installation to be done by a qualified installer. All wires must be connected and grounded in accordance with CSA Standard C22.1- Canadian Electrical Code part 1 or with the National Electrical Code, ANSI /NFPA 70 (latest edition) and /or in accordance with local codes.

Switch Controlled Split Receptacle With Switch At START Of Cable Run



Switch Controlled Split Receptacle With Switch At END Of Cable Run

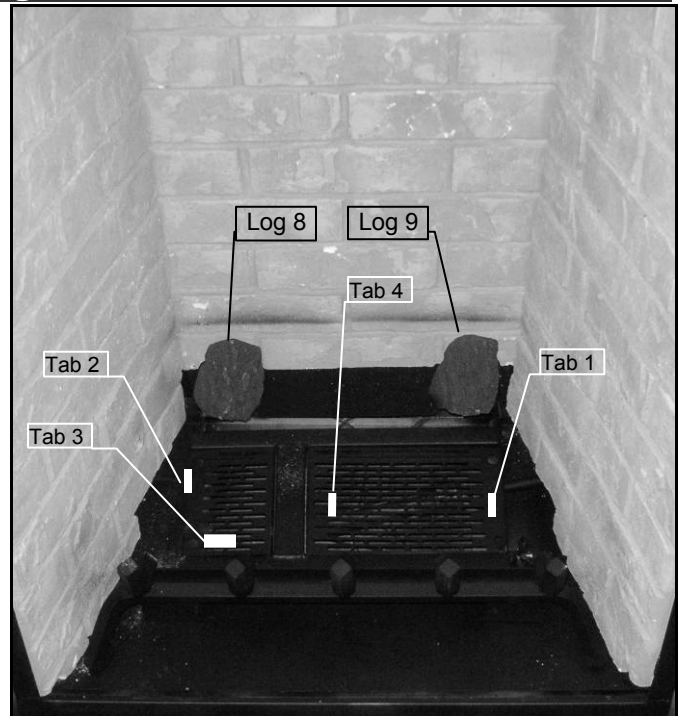


## MQLOGF39 Log Installation

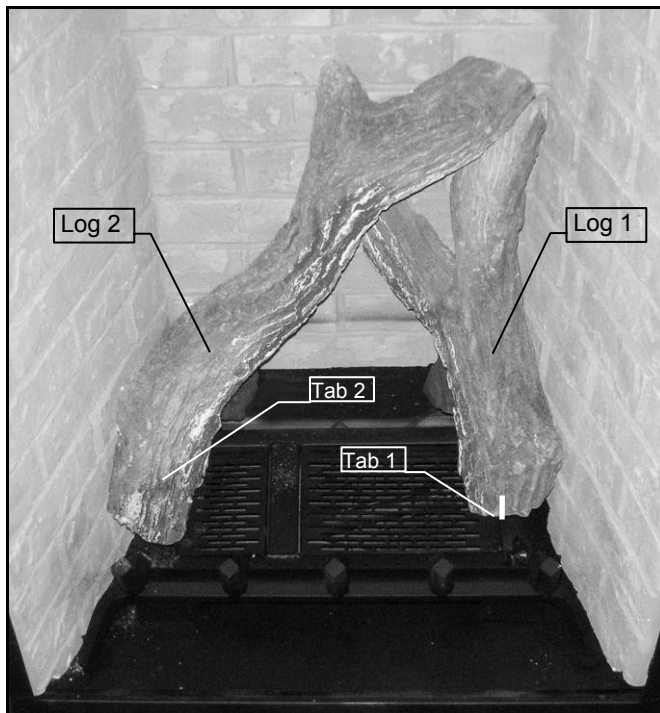


### Parts Required:

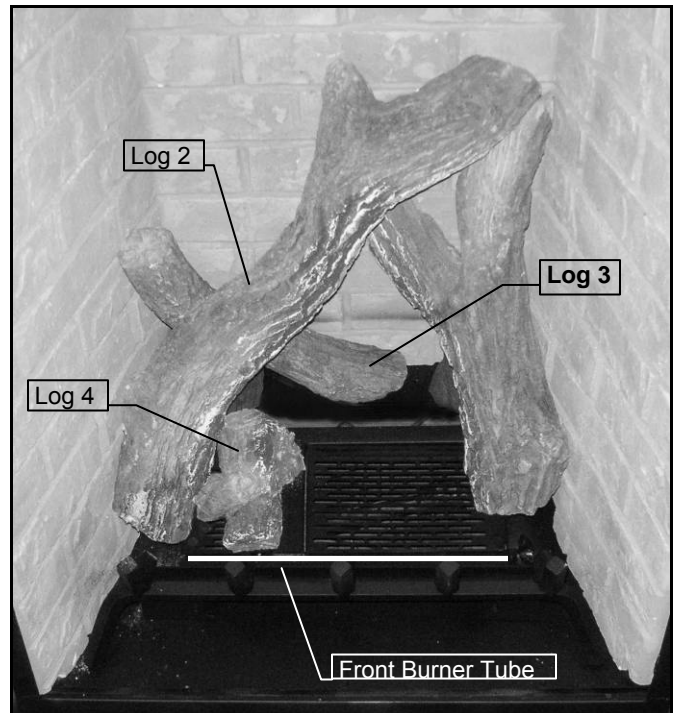
- 1Ea **MQLOGF39** -9 Piece Fibre Logset
- 1Ea Glowing Embers –Supplied with Fireplace
- 1Ea Lava Rock (12 x12 Full) –Supplied with Fireplace
- 1Ea Vermiculite –Supplied with Fireplace



Step 1: Place **Log 8** and **Log 9** in front of the lights. Verify that **Tab 1**, **Tab 2**, and **Tab 4** are pulled up (Tab 3 must be flat).



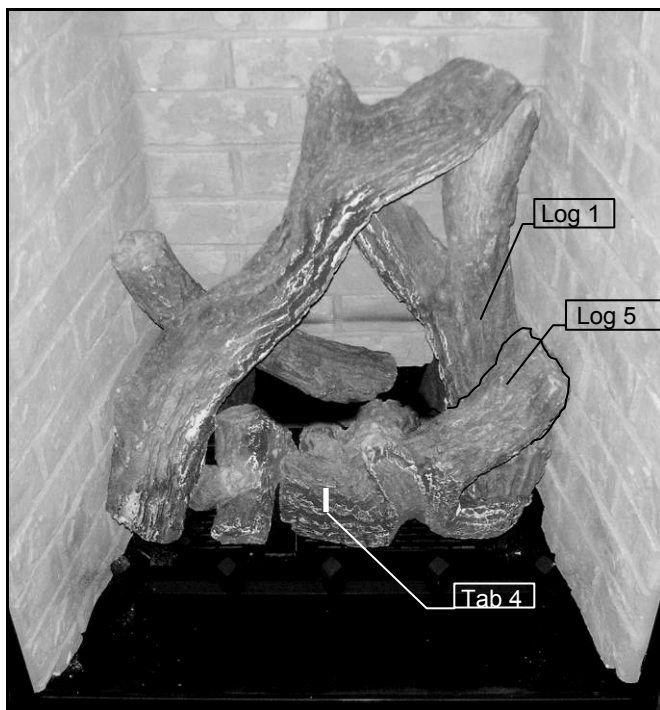
Step 2: Place **Log 1** & **Log 2** onto the ember plates and up against rear brick panel. Log 1 will be pulled forward to **Tab 1**; Log 2 will be pushed up to **Tab 2**.



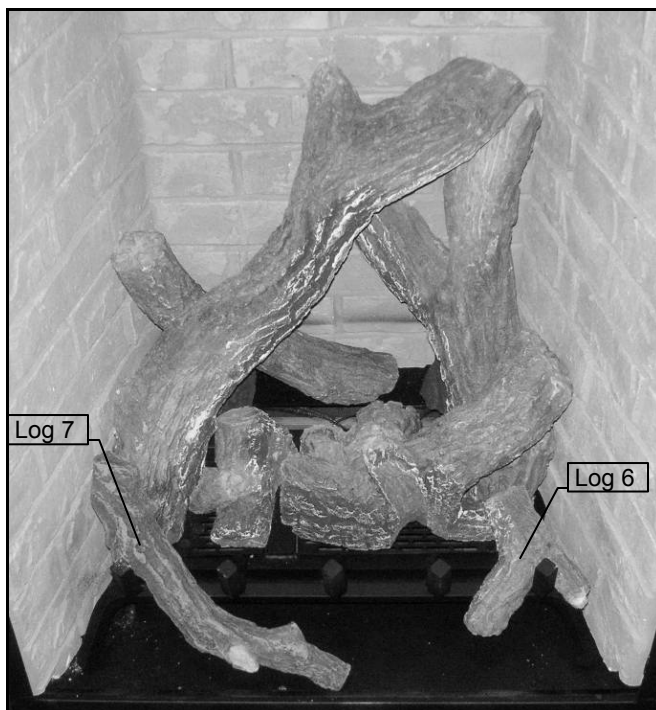
Step 3: Place **Log 3** onto rear light holder and up against Log 2 and left brick panel.

**Log 4** will be placed onto left ember plate as shown and up to Log 2. **Do not cover front burner tube.**

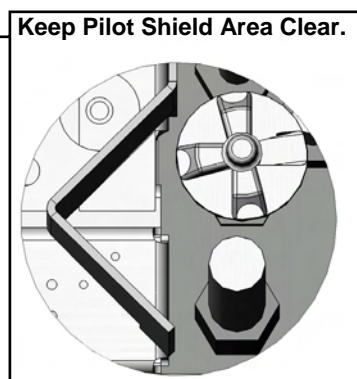




Step 4: Locate hole on bottom of **Log 5** and Place onto **Tab 4**.  
Top branch of Log 5 will be in contact with Log 1.



Step 5: Place **Log 6 & Log 7** onto the grate bars as shown above.



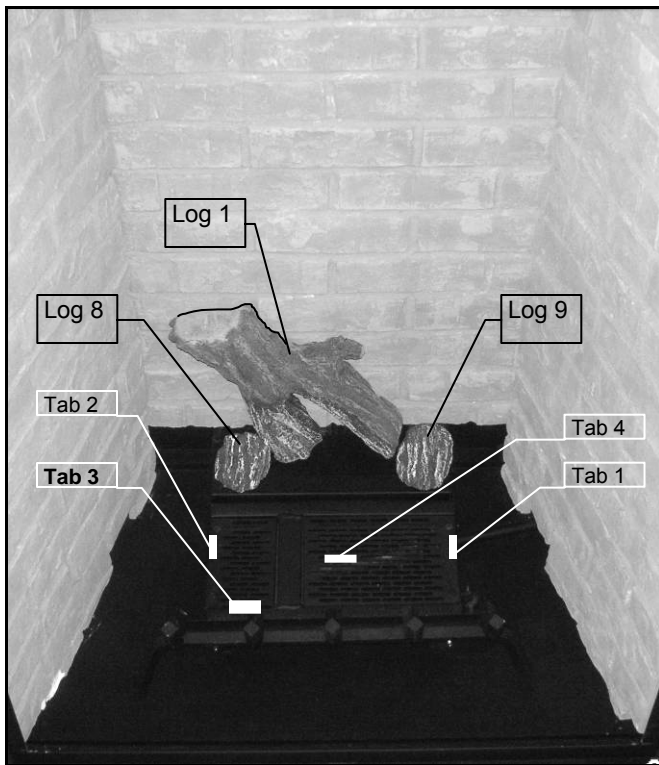
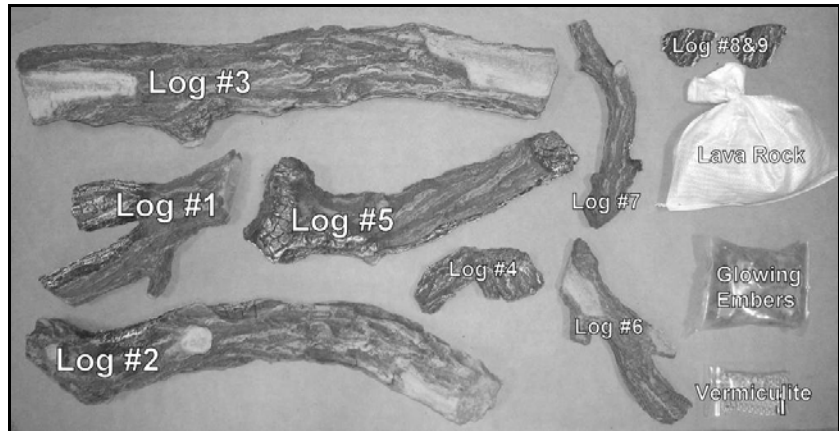
Step 6: Add lava rock to the bottom of the burner pan. Add glowing embers to the top of the ember plates and front burner tube. And sprinkle vermiculite over the lava rock. **Do not place any media within Pilot Shield Area (see above).**



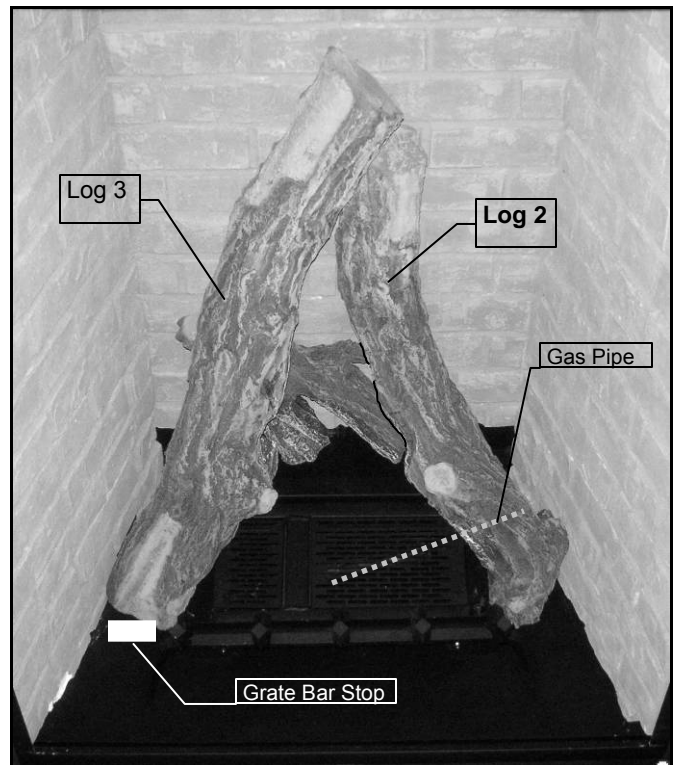
## MQLOGF46 Log Installation

### Parts Required:

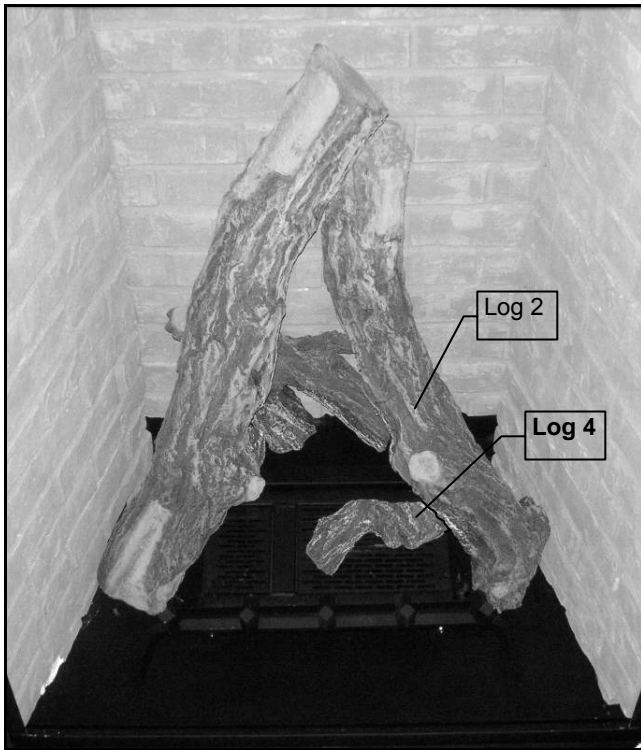
- 1Ea **MQLOGF46** -9 Piece Fibre Logset
- 2Ea Glowing Embers –Supplied with Fireplace
- 2Ea Lava Rock (12 x12 Full) –Supplied with Fireplace
- 1Ea Vermiculite –Supplied with Fireplace



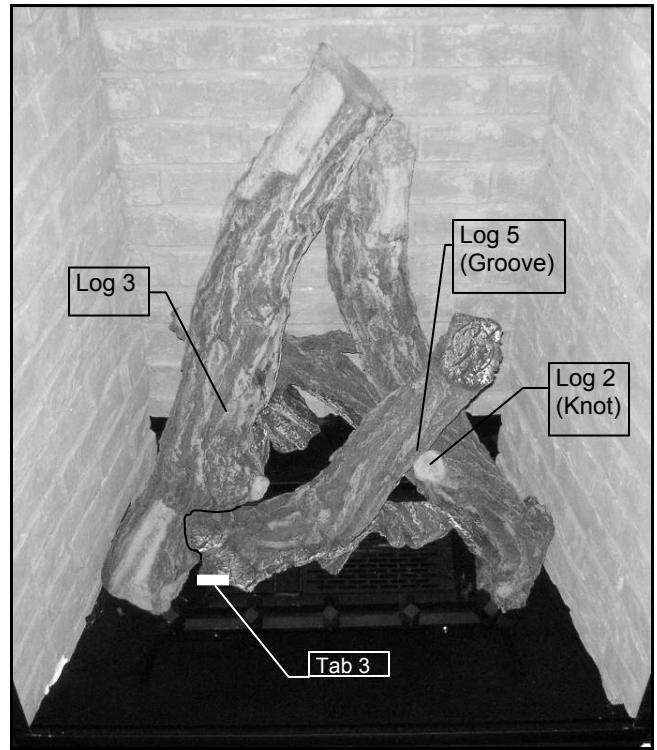
Step 1: Place **Log 8** and **Log 9** in front of the lights.  
Place **Log 1** in between Logs 8 & 9.  
Ensure that **Tab 3** is pulled up (Tab 3 will be used in Step 4). Tab 1, Tab 2, and Tab 4 must be flat.



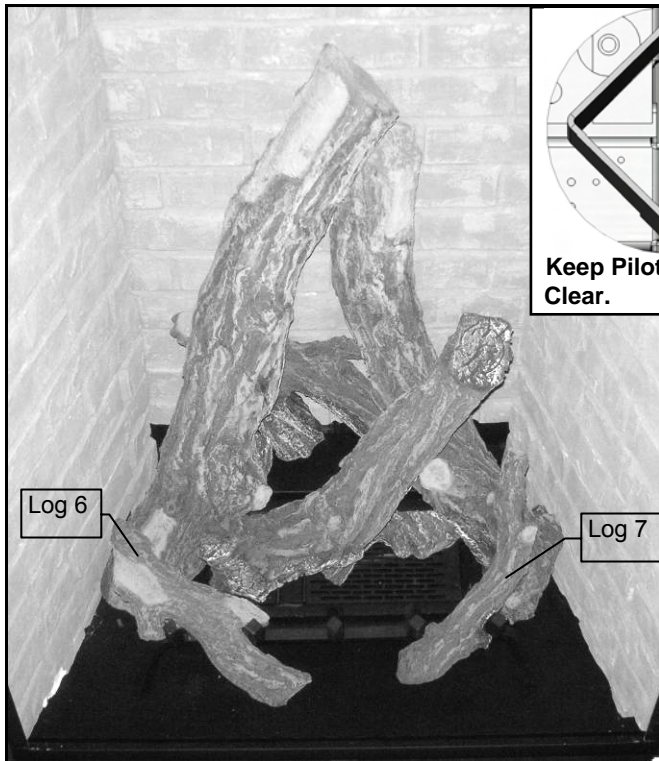
Step 2: Place **Log 2** on the firebox bottom and up against the right side panel. Push back until it contacts the gas pipe.  
Place **Log 3** on the firebox bottom. Pull forward until it contacts the grate bar stop.



Step 3: Place **Log 4** on the right ember plate next to Log 2 as shown. **Do not cover the rear burner tube.**



Step 4: Place **Log 5** on top of the left ember plate behind **Tab 3**. Groove in Log 5 must rest on Knot in Log 2, as above.



Step 5: Place **Log 6** and **Log 7** on the grate bar as shown above.

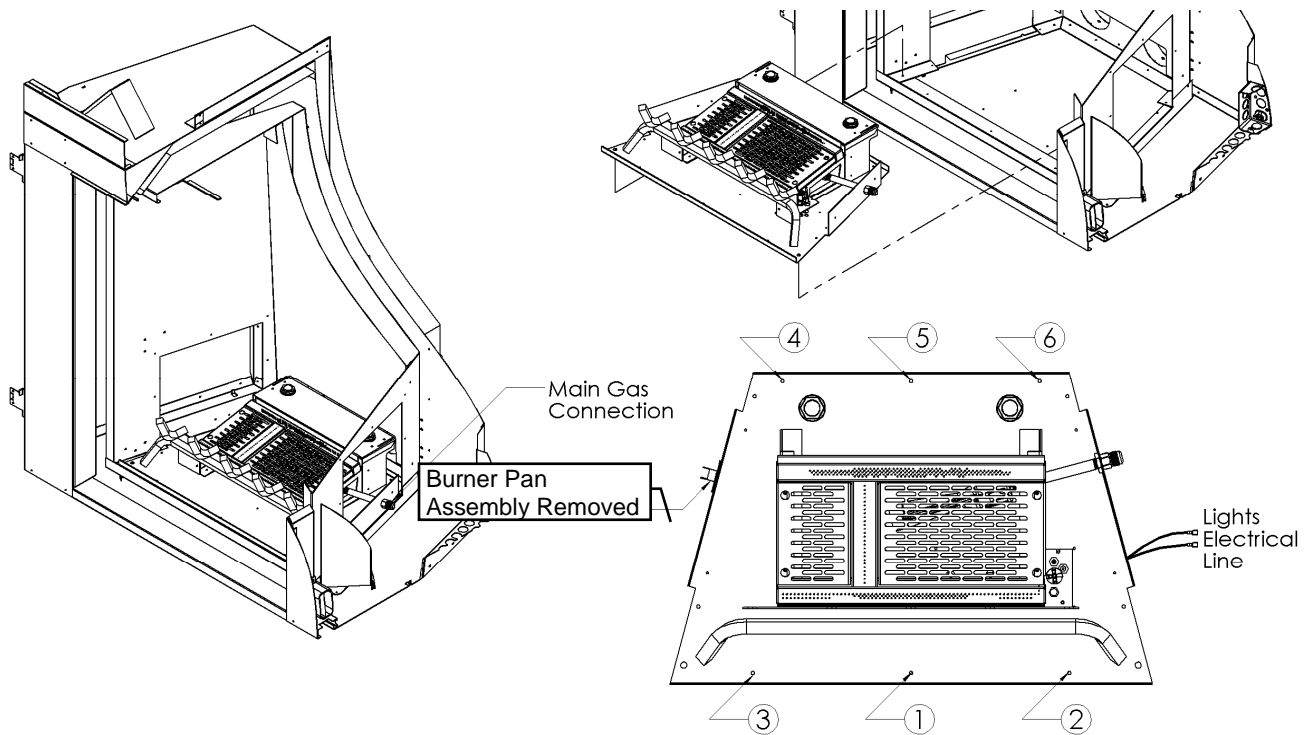


Step 6: Add lava rock to the bottom of the burner pan. Add glowing embers to the top of the ember plates and front burner tube. Sprinkle vermiculite over the lava rock. **Do not place any media within Pilot Shield Area (see above).**

## Burner Installation/Removal Guide

### CAUTION

Before servicing the burner system ensure that the gas supply is turned OFF and disconnect all electrical connections to the appliance. Allow the appliance to cool to room temperature. Note that the pilot assembly may be hot in an intermittent or standing-pilot system—even if the main burner was never on. Exercise caution when working within the area. ALL WORK SHOULD BE PERFORMED BY A QUALIFIED AND CERTIFIED TECHNICIAN.



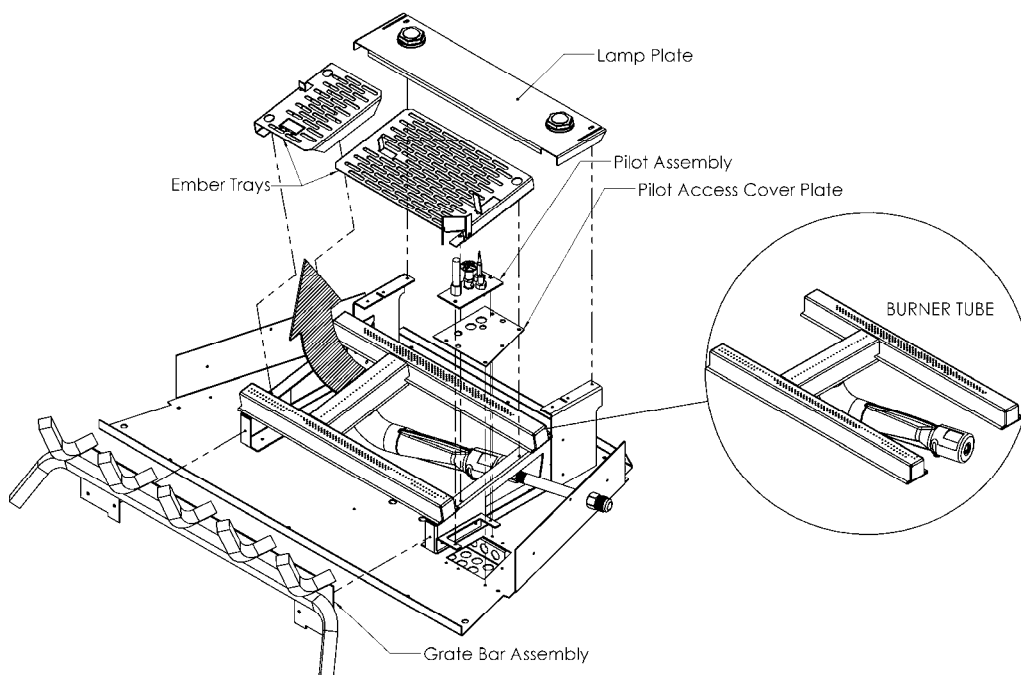
- Burner pan removal and screws tightening sequence.

### ***Burner Pan Removal***

1. Remove the glass door, logs, grate bar assembly, brick liner, vertical access panel, and cavity access panel.
2. Disconnect the main gas line and lights electrical lines on the side of the burner pan as shown. Disconnect the pilot lines from the valve. **NOTE: Care should be taken to ensure that the gas and pilot lines are not damaged during handling. These lines are fragile.**
3. Unfasten the six [6] burner pan screws along the perimeter of the burner pan, and disconnect the Light Kit wiring harness (Light Electrical Line).
4. While carefully feeding the pilot lines underneath the firebox, slowly tilt the burner pan assembly forward and remove it from the firebox cavity. Getting an assistant is highly recommended.
5. Installation is the reverse of these steps. Please tighten the burner pan screws in the sequence shown.

### ***Burner Tube Removal***

1. Remove the logs, grate bar assembly, and lamp tray.
2. Unfasten the ember trays and remove from the unit. The burner tube is now loose. Please refer to illustration.
3. Slide the burner tube to the left and remove it from the burner pan assembly.
4. Installation is the reverse of these steps.



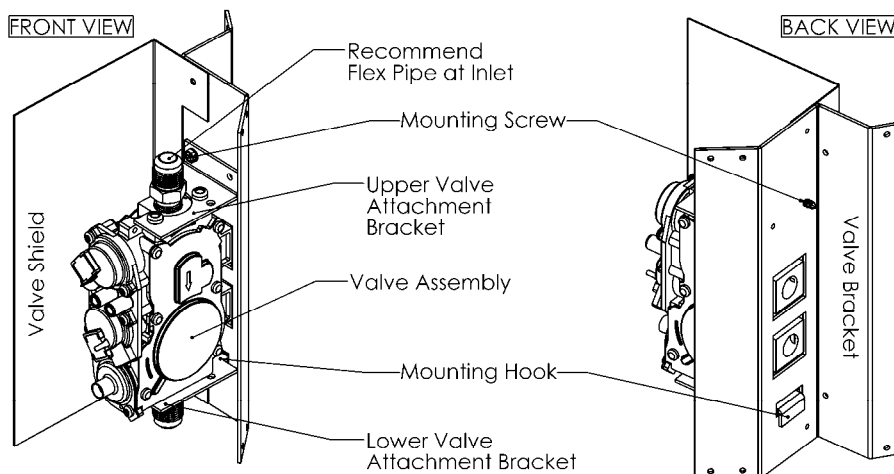
- Burner tube removal guide.

### ***Pilot Removal Guide***

1. Remove logs and grate bar assembly. Please refer to illustration.
2. Remove screws from Pilot Assembly and Pilot Access Cover Plate.
3. Undo pilot connections. Remove Pilot Assembly. Do not discard Pilot Access Cover Plate.
4. Installation is the reverse of these steps. Reseal pilot connections to cover plate with orange silicone and cover plate to burner pan with black **Millpac**.

### ***Valve Removal Guide***

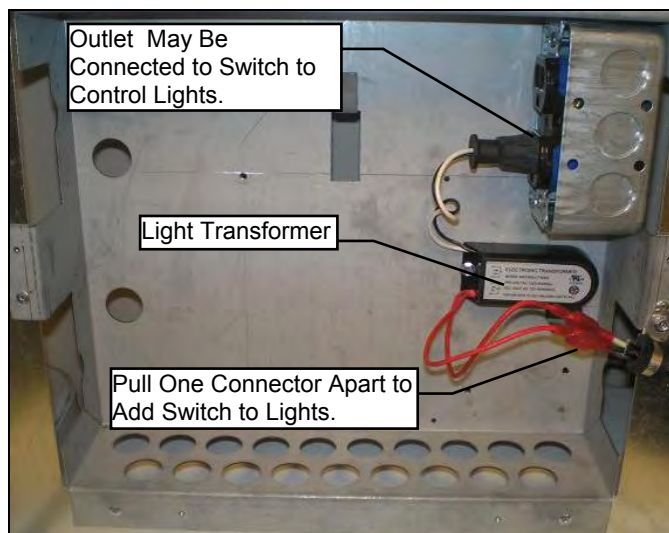
1. Remove the right access panel (see **Access Panels Removal** section).
2. Remove the mounting screw attaching the upper valve bracket, and lift the valve assembly to disengage the mounting hook.
3. Gently remove the valve assembly outside of the fireplace cavity. Ensure that the electrical and plumbing connections are not damaged. Remove all electrical and plumbing connections to the valve.
4. Installation is the reverse of these steps. **NOTE: Only one [1] mounting screw is required.**



- Valve mounting assembly (IPI model shown).



## Light Wiring Connections

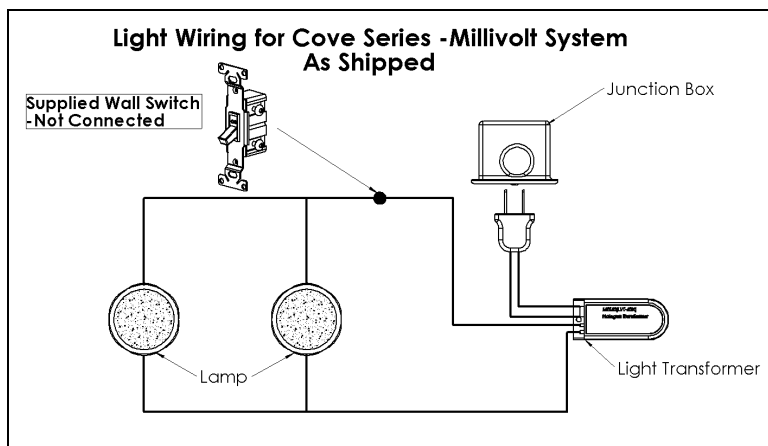


Light Transformer Plugged into Outlet- **As shipped** (Requires either an in line switch or a switched outlet to turn lights on and off).



Light Transformer Plugged into "Aux Out" outlet on Optional Electrical Control Module. Allows lights to be switched on, off, or "Dimmed" with remote control.

See **IPI Electronic Ignition** and **Fan Installation** sections for more information.



The Light Transformer for the Cove Series is located inside the Electrical Module Housing on the side of the unit. The Light Transformer is connected to the lights in a parallel circuit, as well as plugged into the supplied junction box inside of the Electrical Module Housing. The supplied wall switch is not connected, as this needs to be done at the time of installation.

### Lamp Plate

The Lamp Plate is a low voltage halogen system that works in tandem with a solid state step-down transformer located in the electrical compartment. This is shown in. To remove the plate:

1. Unfasten the two [2] screws holding the Lamp Plate to the Burner Tray Extensions.
2. Unbolt the Securing Nut and remove the Lamp Plate.
3. Reverse these steps to reinstall.

To replace the bulb simply twist the lens counter-clockwise  $\curvearrowright$  to remove, and firmly pull the old halogen bulb straight out. To reinstall the new bulb simply align the pins over the halogen socket and gently press it into place. **CAUTION: Avoid getting oil, grease, or fingerprints on the bulb as it will shorten its lifespan.**

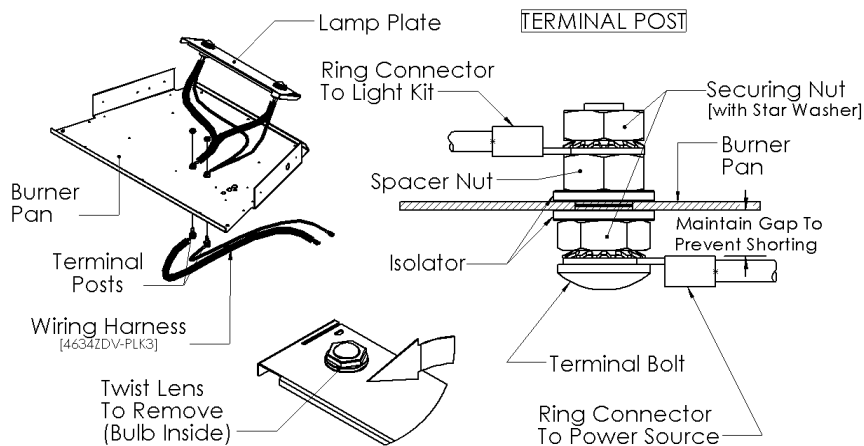


Figure 1 - Lamp Plate installation and terminal post diagram.

## MQRSP39 Glass/Rock Tray -Conversion Guide

Part No: **MQRSP39BL**

Contents: RSP Rock Tray  
Lamp Shield  
Cover Plate

Media Options: **MQRCK2** - Rock Set – Contemporary Collection [Neutral Colour]

**MQRCK3** - Rock Set – Contemporary Collection [Multicoloured]

**MQG5W** - Decorative Ember Glass [White, 5lbs]

**MQG5A** - Decorative Ember Glass [Turquoise, 5lbs]

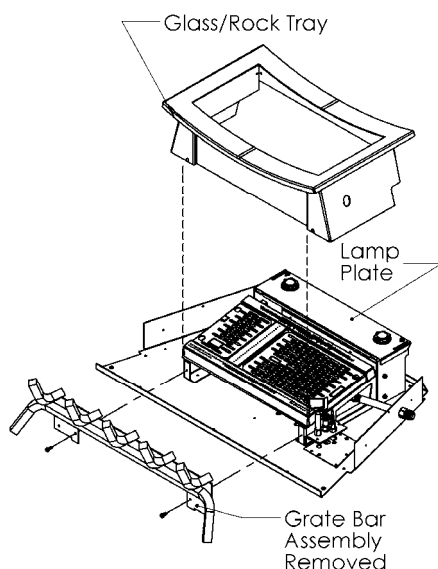
**MQG5C** - Decorative Ember Glass [Copper, 5lbs]

This appliance is designed to accommodate either a log set or a glass/rock tray, using rock or crushed glass.  
To convert to the glass/rock tray:

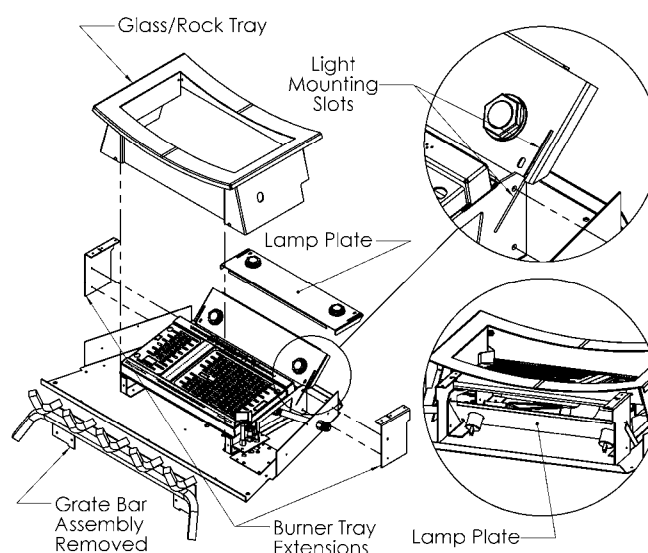
1. Remove the Grate Bar assembly (Fig. 1). If Rocks are to be used, skip to step 4.
2. **For Crushed Glass Only:** (Fig.2) Unfasten the Lamp Plate, as well as the Burner Tray Extensions (These will **not** be reattached). Flip the Lamp Plate around so that the mounting slots are pointing downward. Then, insert the slots on the Lamp Plate into the mounting slots located in the burner support bracket.
3. **For Crushed Glass Only:** (Fig.3) & (Fig. 4) Slide Lamp Shield over Lamp Plate. Insert tabs of Cover Plate into slots on Lamp Shield (See note in Fig. 4).
4. Align the Glass/Rock Tray on top of the burner assembly and then lower it into place. There are no fasteners required to hold this tray in place. See illustrations below for more information.

**Burner Pan is shown removed for clarity only.**

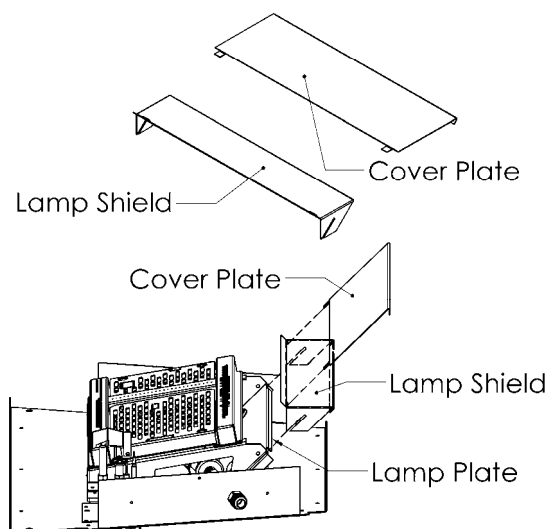
**Rock Setup** (Fig.1)



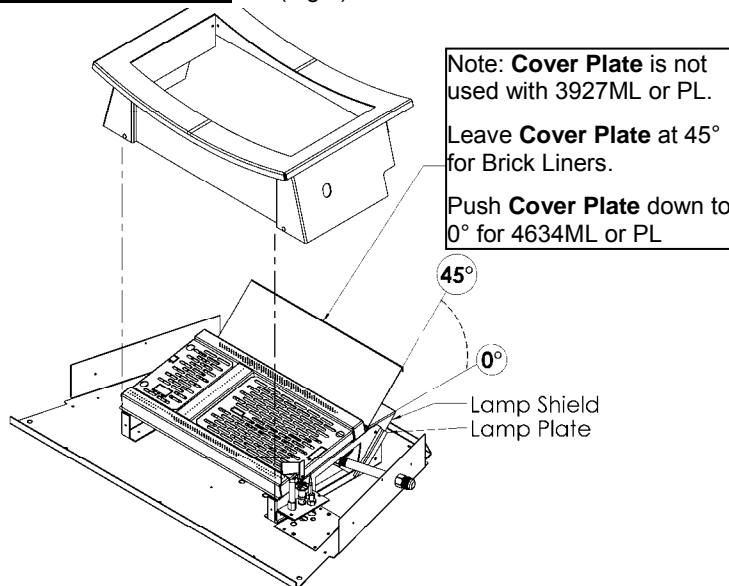
**Crushed Glass Setup** (Fig.2)



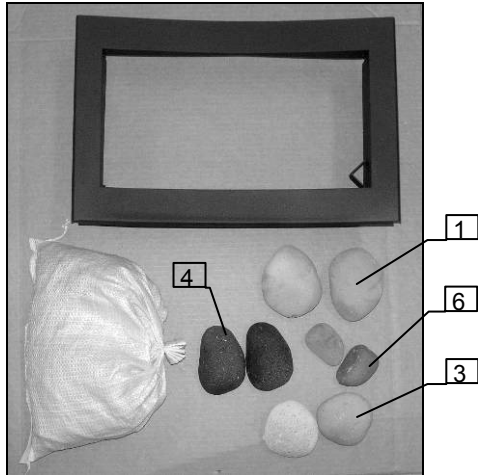
**Crushed Glass Setup** (Fig.3)



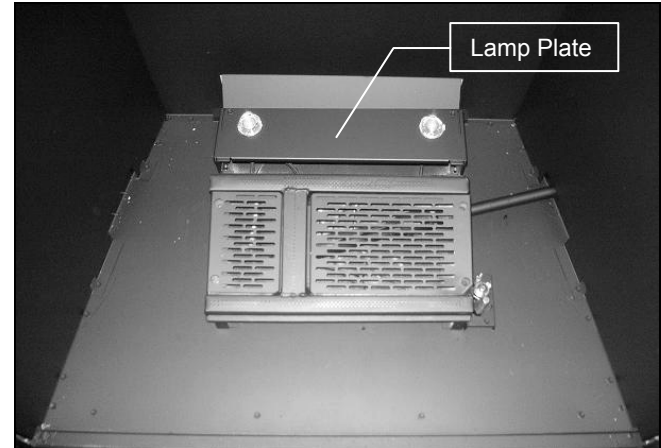
**Crushed Glass Setup** (Fig.4)



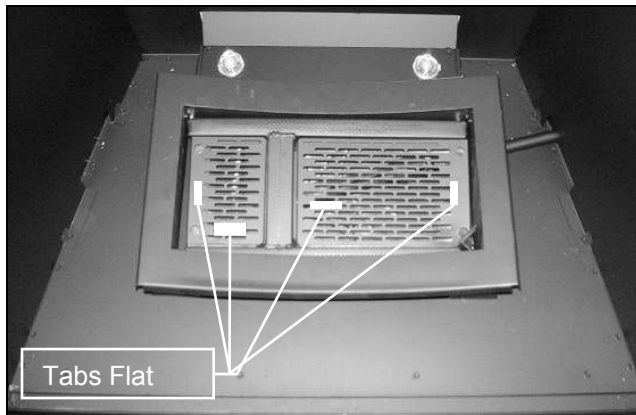
## MQRSP39 Glass/Rock Tray -Rock Placement



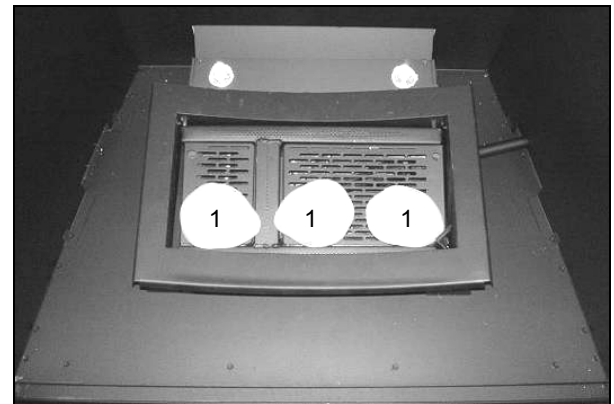
**Parts Required:**  
 1Ea **MQRSP39BL** Glass/ Rock Tray  
 1Ea **MQRock2** (Neutral) –OR- **MQRock3** (Multicoloured)  
 1Ea Lava Rock (12 x 12 Full) - Supplied with Fireplace



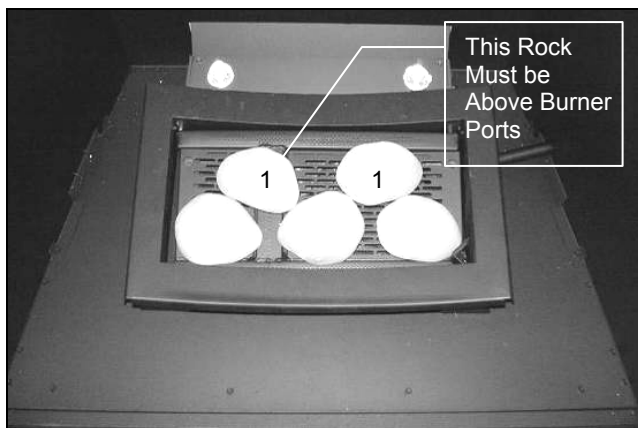
Ensure Grate Bar Assembly has been removed before placement of Glass/Rock Tray, as noted on Conversion Guide page.



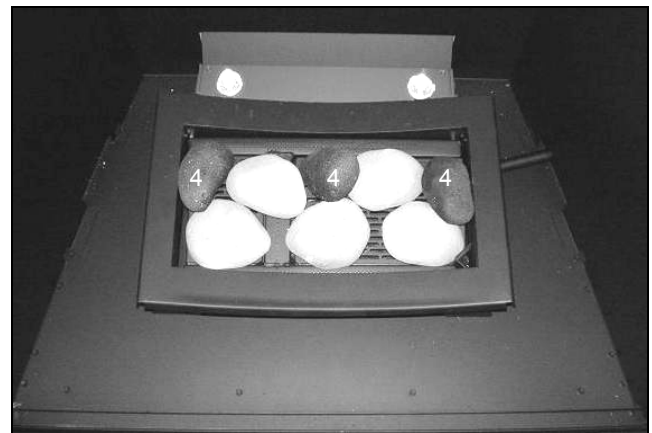
**Step 1:** Place the MQRSP39 Glass/Rock Tray into place as shown in the illustration above. **All Tabs on ember plates must be flattened before rock placement.**



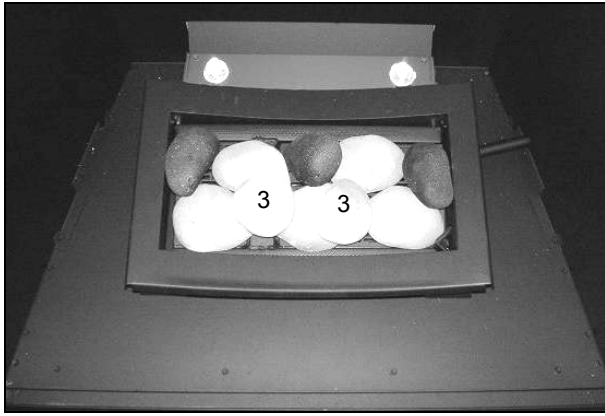
**Step 2:** Place Rocks into position as shown. **Be sure not to place them directly over top of the burner tube.**



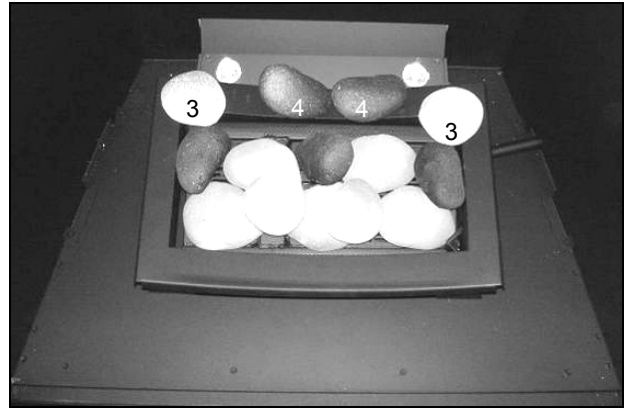
**Step 3:** Place Rocks into position as shown above. **Rocks must not cover burner ports, or fireplace will not operate properly.**



**Step 4:** Place Rocks into position as shown above.



Step 5: Place Rocks into position as shown above.



Step 6: Place Rocks into position as shown above.



Step 7: Place Rocks into position as shown above. Rock Setup is complete. Lava Rocks may be spread around firebox bottom if desired.

**NOTE: If flame impingement on the rocks causes sooting then you may have to move, or remove, one or more rocks. DO NOT PLACE ROCKS DIRECTLY OVER TOP OF THE BURNER TUBE PORTS.**

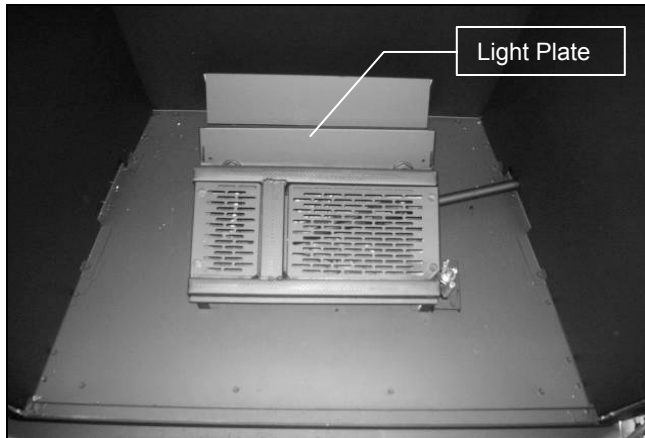


## MQRSP39 Glass/Rock Tray -Glass Ember Placement



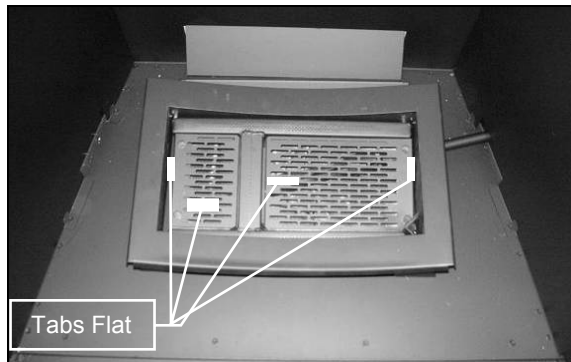
### Parts Required:

- 1Ea **MQRSP39BL** Glass/ Rock Tray
- 1Ea **MQG5W** (White) –OR- **MQG5A** (Turquoise) –OR- **MQG5C** (Copper) Decorative Ember Glass
- 1Ea Lava Rock (12 x 12 Full) - Supplied with Fireplace



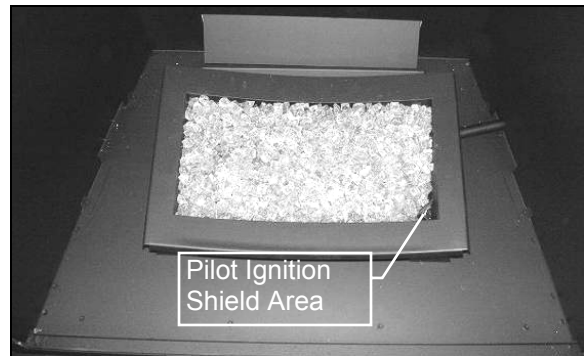
Light Plate

See Conversion Guide page. Ensure Grate Bar Assembly has been removed, Light Plate has been mounted in rear slots, and Lamp Shield and Cover Plate (if required) are in place before placement of Glass/Rock Tray, as noted.



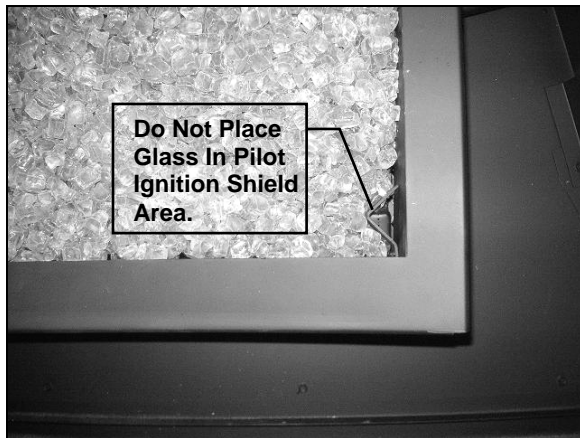
Tabs Flat

**Step 1:** Place the MQRSP39 Glass/Rock Tray into place as shown in the illustration above. **All Tabs in ember plates will be flat.**



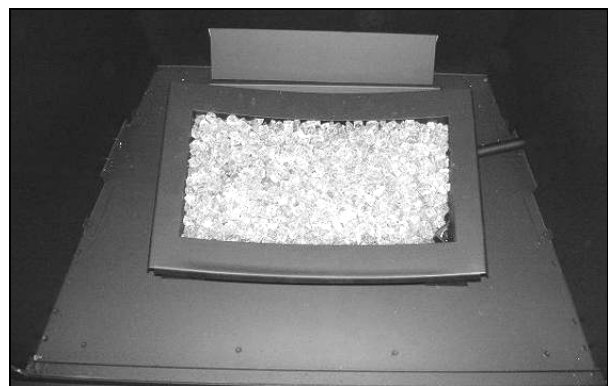
Pilot Ignition Shield Area

**Step 2:** Place Decorative Ember Glass into tray area as shown. **Be sure not to place glass into Pilot Ignition Shield Area.**



**Do Not Place Glass In Pilot Ignition Shield Area.**

**Step 3:** Glass Embers must not enter this area, or fireplace will not operate properly.



**Step 4:** Glass Ember installation is complete. Lava Rocks may be spread around firebox bottom if desired.

**Discoloration of glass may occur during normal use; this does not affect fireplace operation, and is not covered under warranty.**



## Warning

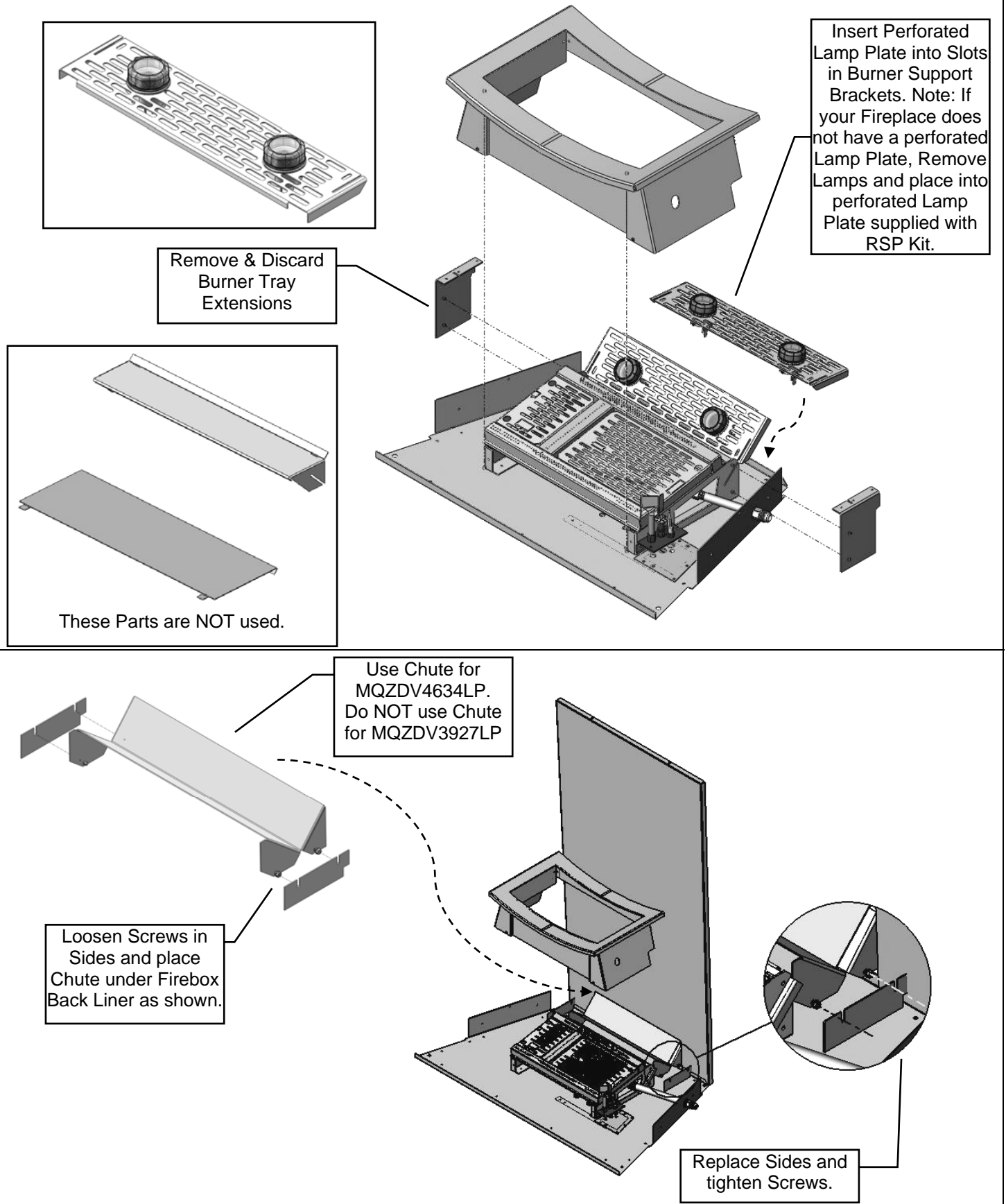
**Do not change or substitute the glass ember material provided for this fireplace. If replacing, use only replacement glass embers available from your local authorized dealer.**

## MQRSP39BL: Perforated Lamp Tray & Glass Burner Chute for Propane Units Only

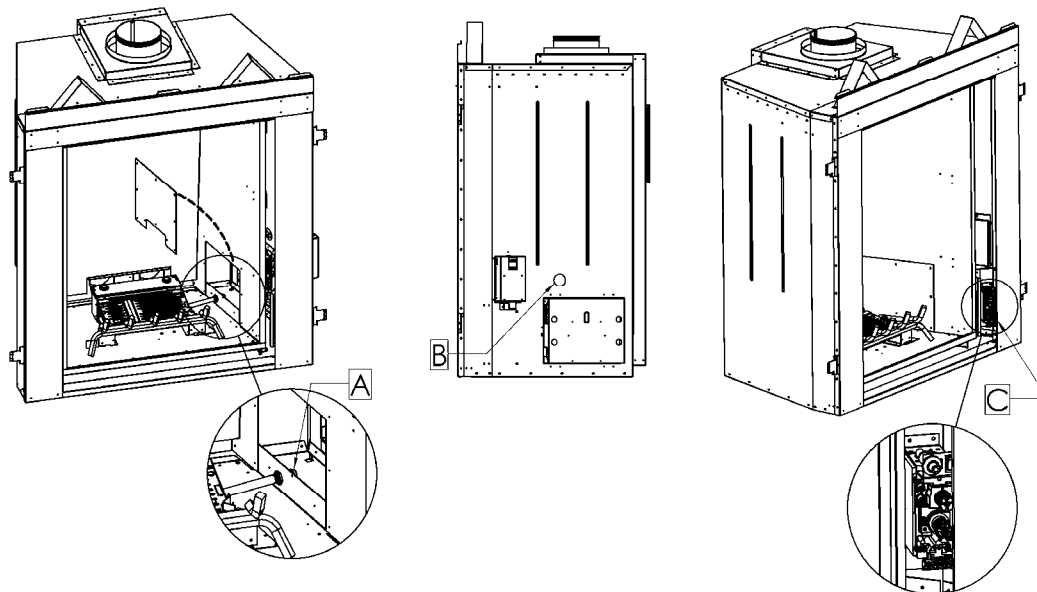
**FOR PROPANE UNITS WITH GLASS ONLY**

**NOTE: BURNER ORIFICE FOR MQZDV-4634LP MUST BE CHANGED TO #44**

Installation of Perforated Lamp Tray & Glass Burner Chute:

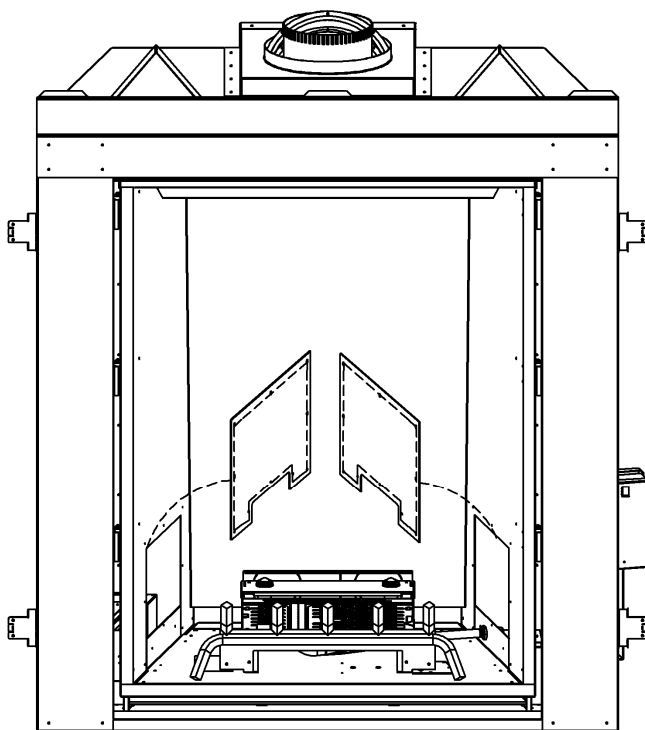


## Gas Line Access and Locations



The views above show the following gas line access and locations:

- A: Burner to valve.
- B: Gas Line to valve routing access.
- C: Valve Location.



Access panels [2] inside firebox **must** be sealed with [10] screws and a 5/16" bead of black **Millpac** (supplied).

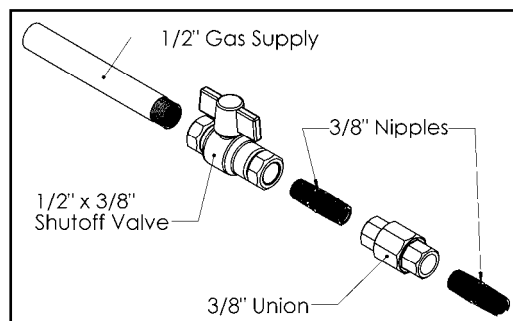
## Gas Line Installation

This gas appliance should be installed by a qualified installer in accordance with local building codes and with current CAN/CGA - B149.1 installation codes for Gas Burning appliances and equipment in Canada and the National Fuel Gas Code ANSI Z223 in the U.S.A.

### State of Massachusetts

For the state of Massachusetts a T-handle gas shut-off valve must be used on a gas appliance. This T-handle gas shut-off valve must be listed and approved by the state of Massachusetts. This is in reference to the state of Massachusetts state code CMR238.

1. The gas pipeline can be brought in through either the left side of the appliance. A knockout is provided at this location to allow for the gas pipe installation and testing of any gas connection.
2. The gas control inlet is 3/8" NPT. Typical installation layout for rigid pipe is shown at right.
3. When using copper or flex connector, use only approved fittings. Always provide a union so that gas line can be easily disconnected for burner or fan servicing. See gas specification for pressure details and ratings.
4. When a vertical section of gas pipe is required for the installation, a condensation trap is needed. See CAN/CGA-B149.1 for code details.
5. For natural gas, a minimum of 1/2" iron pipe with gas minimum pressure of 5.5" w.c. must be used for supply from the gas meter. Consult with the local gas utility if any questions arise concerning pipe sizes.
6. Ports are accessible for test gauge connection both on the inlet and outlet of the gas valve.
7. Turn the gas supply ON and check for leaks. **DO NOT USE OPEN FLAME FOR THIS PURPOSE.** Use an approved leak testing solution.
8. The appliance and its individual shutoff valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of 1/2psig [3.5 KPa].
9. The appliance must be isolated from the gas supply piping system by closing its individual shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2psig [3.5 KPa].



Note: The gas line connection may be made of 1/2" rigid pipe, 1/2" copper pipe or an approved flex connector. Since some municipalities have additional local codes, it is always best to consult your local authorities and the current CAN/CGA - B149.1 installation code in Canada or the National Fuel Gas code ANSI Z223.1 in the U.S.A.

**IMPORTANT: Always check for gas leaks with a soap and water solution. DO NOT USE OPEN FLAME FOR LEAK TESTING.**

Models	MQZDV3927N	MQZDV3927LP	MQZDV4634N	MQZDV4634LP
Fuel	Natural Gas	Propane	Natural Gas	Propane
Gas Control	Millivolt Adjustable			
Input (Min / Max)	29,000 / 42,500	32,000 / 40,500	40,500 / 59,000	44,000 / 55,500
Orifice Size (0-4500ft)	#29	#46	#25	#44
Air Shutter	1/4"	Full Open	3/8"	Full Open
Gas Inlet Size	S.I.T. 820 Nova, S.I.T. 885 3/8" NPT			
Gas Supply Pressure	Minimum	Normal	Maximum	
Natural Gas	6"	7"	10"	
Propane	11"	11"	13"	
Manifold Pressure High	3.5" w.c. [0.87KPa] NG		10" w.c. [2.61KPa] LP	
Manifold Pressure Low	1.6" w.c. [0.40KPa]		6.3" w.c. [1.57KPa]	

# Millivolt System, Lighting, and Burner Control

## 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.

### BEFORE LIGHTING

- A This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.
- B 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 an appliance.
  - Do not touch any electrical switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbour'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 or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it. Call a qualified technician. Force or attempted repair may result in a fire or explosion.
- D Do not use the appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system which has been under water.

### LIGHTING INSTRUCTIONS

- Stop! Read the safety information above this label.
  - Set the thermostat to lowest setting.
  - Turn off all electrical power to the appliance.
  - Locate valve under the burner assembly.
  - If the control knob is not already in the off position, i.e. the word "OFF" in the 9 o'clock position, then push in the gas control knob slightly and turn ⤵ clockwise to "OFF". NOTE: Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not use force.
  - Wait five [5] minutes to clear out any gas. If you then smell gas. STOP! Follow "B" in the safety information above on this label. If you don't smell gas then go to the next step.
  - Now push in the control knob slightly and turn ⤵ counter-clockwise to the "PILOT" position.
  - Push in the control knob all the way and hold it. With the other hand push in the red igniter button until you hear a click. Now observe closely the pilot burner located on the rear center-left hand side of the main burner.
- If a flame has appeared then continue to depress the control knob for 20 seconds. If the flame did not appear then continue to depress the red igniter button every 5 seconds until a flame is established. NOTE: If after 30 seconds a flame has not yet been established then turn the control knob back to the off position and repeat steps 5, 6 & 7.
- Once the pilot has been established hold the control knob in the depressed position for approximately 25 seconds before releasing. If the flame goes out then repeat steps 7 and 8.
    - If the knob does not pop up when released, stop and immediately call your service technician or gas supplier.
    - If the pilot will not stay lit after several tries, turn the gas control to "OFF" and call your service technician.
  - Now turn the control knob to the "ON" position. The burner will not light unless the wall switch thermostat or remote control is turned "ON" or in the case of the thermostat there is a call for heat.
  - Close the access door and turn all electrical power back to the appliance.
  - The pilot must be turned off when the unit is not in use.

### TO TURN OFF THE APPLIANCE

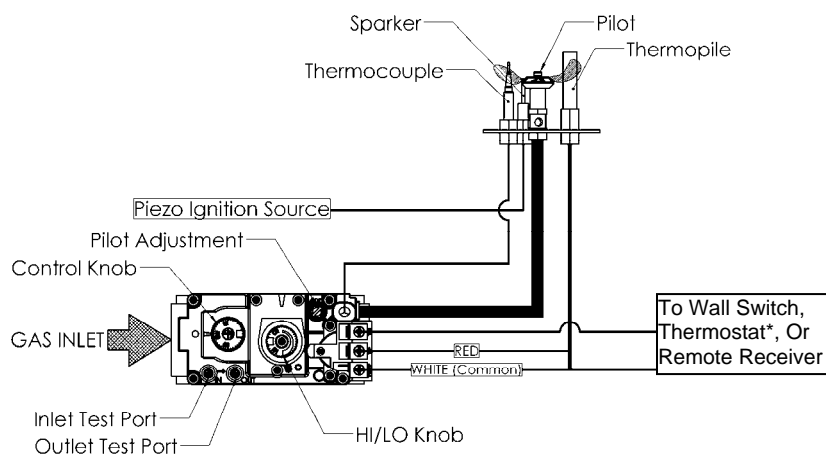
- Set the thermostat to lowest setting.
- Turn off all electric power to the appliance if service is to be performed.
- Open the control access door.
- Push in the gas control knob slightly and turn ⤵ clockwise to the "OFF" position. Do not force.
- Replace control access panel.

**NOTE:** Only one on/off device (manual on/off, remote control, or hard wired thermostat) should be connected to the appliance at any one time, this is most important when installing an insert or stove as the on/off rocker switch is installed at the factory.

Recommended Maximum Lead Length (Double Wire)  
When Using Wall Switch or Thermostat

Wire Size	Max. Length
14ga	100ft [30.4m]
16ga	64ft [19.5m]
18ga	40ft [12.1m]
20ga	25ft [7.6m]
22ga	15ft [4.5m]

**CAUTION: DO NOT WIRE 120V POWER TO MILLIVOLT SWITCHES OR THERMOSTAT.**



\*In the U.S.A. Thermostats are not permitted for Vented Gas Fireplaces (ANSI Z21.50b-2009 -Decorative).

## Gas Conversion Instructions

Kit Number	Description	Pilot Orifice	Burner Orifice Brass (1000-255)	Air Shutter	Hi/Lo Regulator
3927-CKLP 4634-CKLP	LP Conversion -Millivolt-	1001-P167SI <b>#30</b> (977.167)	#46 #44	Full Open Full Open	1001-P202SI (0.907.202)
3927-CKNG 4634-CKNG	NG Conversion -Millivolt-	1001-P165SI <b>#51</b> (977.165)	#29 #25	1/4" 3/8"	1001-P201SI (0.907.201)
3927-CKLPi 4634-CKLPi	LP Conversion -IPI-	1001-P168SI <b>#35</b> (977.168)	#46 #44	Full Open Full Open	1002-P014SI (0.907.014)
3927-CKNGi 4634-CKNGi	NG Conversion -IPI-	1001-P166SI <b>#62</b> (977.166)	#29 #25	1/4" 3/8"	1002-P016SI (0.907.016)

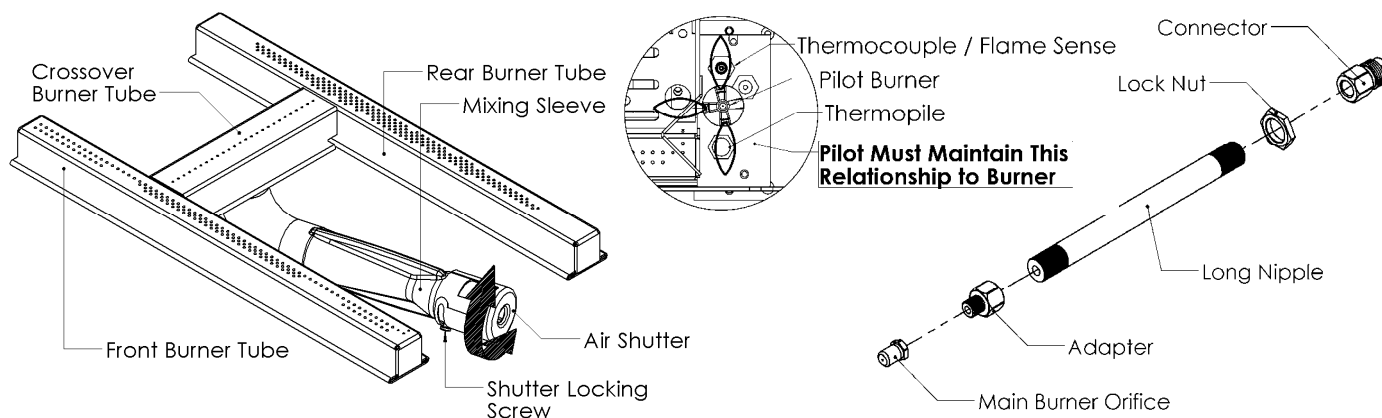
Refer to "**Gas Specifications Chart**" for inlet pressures and input ratings. Clock meter to verify input rate. Place conversion label as close to converted gas control as possible. Refer to lighting instructions to verify the normal operating sequence of the ignition system.

There are three main components involved in converting this appliance for use with an alternate fuel source. They are the valve, main burner system, and pilot burner system. Improper modification of any of these components may degrade the appliance's performance and can lead to unsafe operation. Ensure that these adjustments are done properly.

Converting this appliance can only be done with a prescribed kit. These kits cannot be modified in any way and must be installed in accordance to the instructions supplied. The instruction manual supplied with the kit supersedes this section of the installation manual. For more information with regards to the kit involved consult the Parts List at the back of the manual.

**IMPORTANT:** Always check for gas leaks with a soap and water solution. **DO NOT USE OPEN FLAME FOR LEAK TESTING.**

### Main Burner Conversion



### ⚠ Caution:

**The gas supply shall be shut off prior to disconnecting the electrical power, before proceeding with the conversion.**

1. Remove the burner tube from the burner system (refer to Burner System Removal section).
2. To adjust the Primary Air Setting, loosen the Air Shutter Adjustment Screw and rotate the Air Shutter to the appropriate gap position of the new fuel. A drill bit of the proper diameter or a measuring device such as a caliper maybe used to establish the gap opening.
3. Replace the old orifice with one for the new fuel. Pipe sealing compound is required to ensure a proper seal between the orifice and the adapter fitting.
4. For information with regards to the size of the Primary Air Setting and orifice, please refer to Gas Line Installation. To reinstall the burner tube assembly please refer to Burner Installation/Removal Guide section.

### Valve Conversion

The HI/LO diaphragm of the gas valve must be replaced to accommodate the alternate fuel source. Please follow the instructions that accompany the conversion kit for the gas valve.

### ⚠ WARNING

This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with kit.



## Gas Conversion for Top Convertible Pilot (Series 019065X) – PART B

Instructions for converting SIT 190 series pilot burner injection from NG to LPG and from LPG to NG only. This information should be considered as supplemental to the Appliance Manufacturer's Instructions.

**WARNING:** The installation of this conversion kit must only be undertaken by a qualified and certified gas appliance installer.

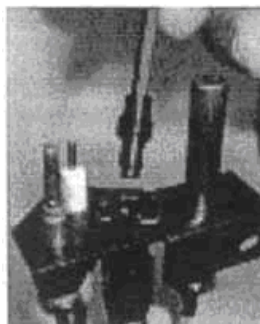
1. Shut off the gas supply to the appliance.
2. Allow the pilot burner to cool to room temperature.  
**WARNING: Touching a hot pilot burner can result in injury.**
3. The pilot hood is held in place by spring pressure. Remove the hood by pulling it directly up from the pilot bracket (a).
4. Insert a 5/32" or 4mm Allen wrench into the hexagonal key-way of the injector (b), and rotate it ⤵ counter-clockwise until it is free of the injector journal (c).
5. Verify that the new injector is proper for the application. The injector size is stamped on the side of the injector near the top. LPG injectors have a groove machined around their circumference near the top, while NG injectors do not have a groove (e). Refer to the Appliance Manufacturers instruction sheet for the proper injector size.
6. Insert the Allen wrench into the end of the injector. Then, insert into injector journal, and rotate the injector clockwise until a torque of 9 in-lbs is achieved.
7. Replace the pilot hood by aligning the tab on the base of the hood with the slot in the side of the pilot journal, and push the hood down, directly onto the pilot bracket (d). The hood must sit squarely on the bracket for proper operation. Check to insure that the hood is properly seated onto the pilot bracket.



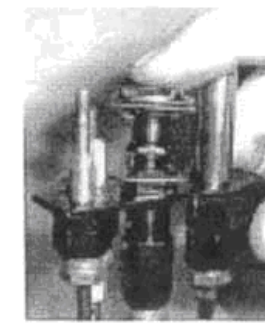
(a)



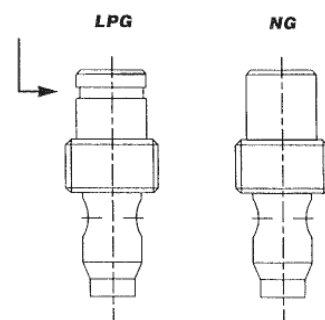
(b)



(c)



(d)



(e)



**WARNING:** This conversion kit must only be applied as part of a conversion kit supplied by the appliance Manufacturer for the specific appliance, and type of gas being converted.

**INSTALLER NOTICE:** These instructions must be left with appliance.



# installationinstructions

7 252 136

## 820 NOVA mV

### Modulating Conversion Kit

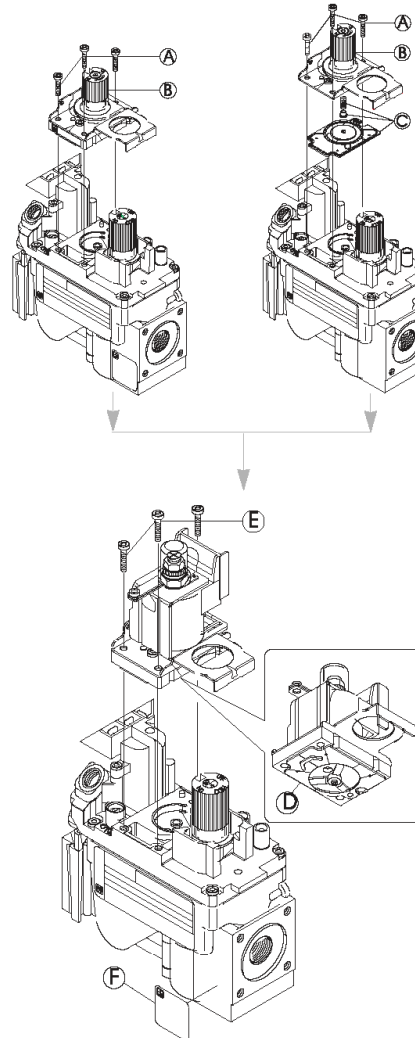


#### WARNING!

The installation of this conversion kit must only be undertaken by a qualified and certified gas appliance installer.

#### MODULATING PRESSURE REGULATOR CONVERSION KIT INSTALLATION OR REPLACEMENT INSTRUCTIONS.

- 1 Turn control knob to the OFF position, and shut off the gas supply to the valve.
- 2 Using a Torx T20, or slotted screwdriver, remove and discard the three pressure regulator mounting screws (A), pressure regulator tower (B), and the spring and diaphragm assembly (C).  
(If applicable)
- 3 Insure that the rubber gasket (D) is properly positioned and install the new modulating pressure regulator assembly to the valve using the new screws (E) supplied with the kit. Tighten screws securely.  
(Reference torque = 25 In.Lb.)
- 4 Install the enclosed identification label (F) to the valve body where it can be easily seen.
- 5 Apply gas to system and re-light appliance according to manufacturers instructions.
- 6 With the main burner "ON", test the new pressure regulator assembly for leaks using a soap solution.
- 7 Relight the main burner in both the HI and LO positions, and verify proper burner ignition and operation.



#### WARNING!

This modulating conversion kit must ONLY be applied as part of a conversion kit supplied by the APPLIANCE MANUFACTURER for the specific appliance, and type of gas, being converted.

**INSTALLER NOTICE.** These instructions must be left with appliance.



## SIT Group

## Burner System Maintenance

It is recommended to annually inspect and clean the Burner System to prevent malfunction and / or sooting. This operation should be performed by your dealer or a qualified technician.

### -CAUTION-

Before servicing the burner system ensure that the gas supply is turned OFF and disconnect all electrical connections to the appliance. Allow the appliance to cool to room temperature. Note that the pilot assembly may be hot in an intermittent or standing-pilot system—even if the main burner was never on. Exercise caution when working within the area.

**-ALL WORK SHOULD BE PERFORMED BY A QUALIFIED AND CERTIFIED TECHNICIAN-**

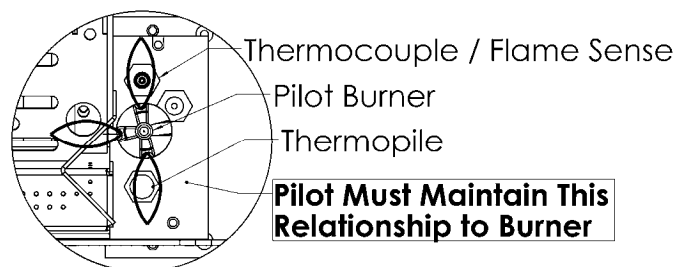
### *Monthly Flame Inspection*

It is recommended to turn on the unit at least once a month and inspect the flame pattern to ensure there are no problems with the burner tube.

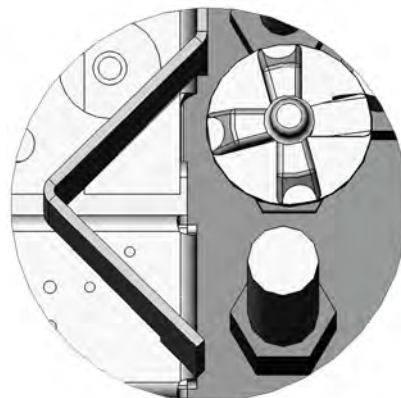


Flame should appear similar to the above picture.

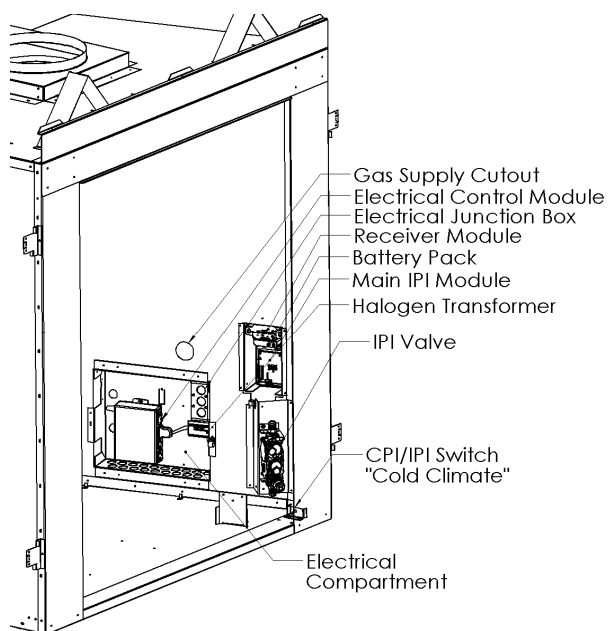
The pilot flame should also be inspected monthly to ensure proper operation.



Pilot Shield area must be kept clear.



# IPI Electronic Ignition System



## Overview

The IPI system is an advanced burner controller that provides you with the option of having either a Standing-Pilot, or an intermittent igniting system. This alternating mode is controlled by the CPI/IPI Switch (Continuous Pilot Ignition/Intermittent Pilot Ignition) located on the IPI System Box. The difference between a Standing-Pilot and an Intermittent-Pilot is in whether the pilot stays lit or shuts off:

In Standing-Pilot, the pilot assembly is lit by the IPI Main Module and continues to stay lit until 1) the CPI/IPI Switch is switched to the IPI position; 2) a loss of electrical power (battery and AC source), 3) the flame sensor loses its signal, 4) the fuel supply discontinues, or 5) the IPI Main Module malfunctions.

In the Intermittent-Pilot mode, the pilot shuts off when the appliance is not in use. The advantage of this mode is that fuel is not consumed when the fireplace is not operating.

**NOTE:** In some jurisdictions, Intermittent-Pilot is required. That means the pilot cannot remain lit when the appliance is not operating. Check with your local jurisdiction to determine which system is permissible.

Figure 21 - Isolated view of IPI component layout inside the Cove.

**NOTE:** In certain instances the IPI Main Module requires resetting. This can occur if the system is unable to ignite the pilot or the main burner in the allotted time period. The IPI is programmed to lockout all commands. To reset this lockout you must deplete the system of all electrical power. Remove the batteries from the Battery Pack, remove the batteries from the Remote Receiver (if applicable), and disconnect the AC Adapter from the system. Leave the power off for approximately 25 seconds to clear its lockout.

## Components

The core of the IPI system is the Main Module and the IPI Valve. With these two components the system is able to operate a gas fireplace.

**Modulating Servo Motor:** Is an add-on valve component that permits HI/LO functionality to be controlled by the remote. Contrary to this feature is a Manual HI/LO Control Knob. The Modulating Servo Motor requires the Remote system to be present.

**Backup Battery Pack:** This component permits the IPI system to operate without the need for an external AC Adapter power source. The advantage to using the battery backup is that in the case of a power failure, the appliance is still operable.

**Remote Receiver:** This component provides the capability of controlling the appliance with a wireless remote transmitter. There are two switches to note on the receiver module:

The first switch on the Remote Receiver module is a 3-position slide switch. This switch is used to either manually turn the main burner ON, activate the receiver to begin communication with the transmitter, or turn the main burner completely OFF. The position of the slide switch designates these functions respectively.

The second is the small round pushbutton [PRG] used for programming the receiver to respond to a designated remote. Therefore to program the system ensure that the transmitter is first turned OFF. Then, ensure that there is sufficient electrical power going to the Receiver module and a fresh set of batteries in the transmitter. Now switch the slide switch to the middle [REMOTE] position and then push the small pushbutton to begin programming. Bring the transmitter close to the receiver and then press the power button [ON] on the transmitter. An audible beep will sound to indicate the system is programmed and ready to be used.

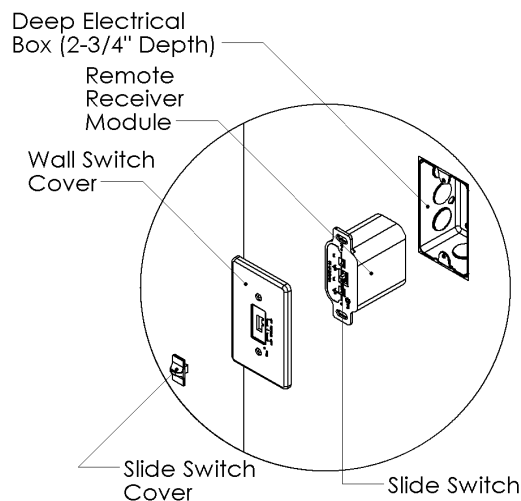


Figure 22 - Installing the receiver module at a remote location.

**NOTE:** The Remote Receiver module can also be located outside of the appliance to a maximum of 6ft away installed in a certified deep wall switch electrical box (2-3/4" depth). For this configuration an extension wiring harness (P/N: 1001-P904SI) is required.

**Electrical Control Module:** The Electrical Control Module is a device that allows components such as the fan or lamp assembly to be controlled remotely. This is done by connecting the data port to the Receiver Module wiring harness, and the supply plug to a reliable 110VAC source. When the Electrical Control Module is powered ON signals from the receiver will serve to engage and disengage the output ports. However, note that the 110V Out port is marked "unswitched". This means that once the Electrical Control Module is operational, the 110V Out supplies 110VAC continuously.

**ALTERNATE CONFIGURATION:** This system is also capable of dimming the lights remotely. To achieve this simply connect the halogen lamp transformer to the FAN Out port (instead of the AUX Out) and use the FAN mode in the remote transmitter to control the lights (Instead of AUX).

**Electrical Supply in Series:** The entire IPI system can be powered by a single power source (i.e. by the AC Adapter). This is advantageous if you do not want to supply extra batteries. To achieve this simply connect the AC Adapter into the Remote Control wiring harness instead of the main IPI harness. From the Remote wiring harness, use its male plug-in connector and connect it to the female plug-in in the main IPI harness. Now the circuit is complete. So the way it works is that electrical power is supplied to the Remote Receiver module and then proceeds to the Main IPI module. Furthermore, note that a Backup Battery Pack is not required in this configuration. Instead, batteries in the Remote Receiver resume the function as a backup supply.

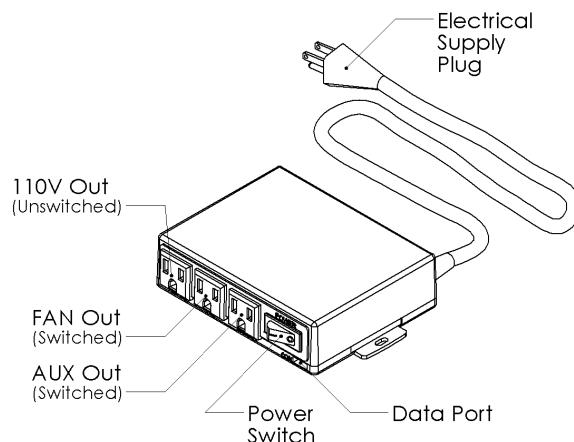


Figure 23 - Electrical Control Module.

#### WARNING

##### Electrical Grounding Instructions

**This appliance is equipped with a three-prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.**

### Electrical Compartment Location

The electrical compartment is located on the right side of the appliance outside of the fireplace (refer to Figure 21). It is accessible either from the outside of the unit or through the firebox via the Cavity Access Plate. All electrical connections and supplies must be contained within this compartment. **For ease of installation, it is recommended that all electrical work is performed prior to fitting the fireplace into its framed enclosure.** Be sure to follow local electrical codes and practices when working with the electrical components. **IMPORTANT: Heat shield cover plate for the electrical compartment must be installed before operating this appliance.**

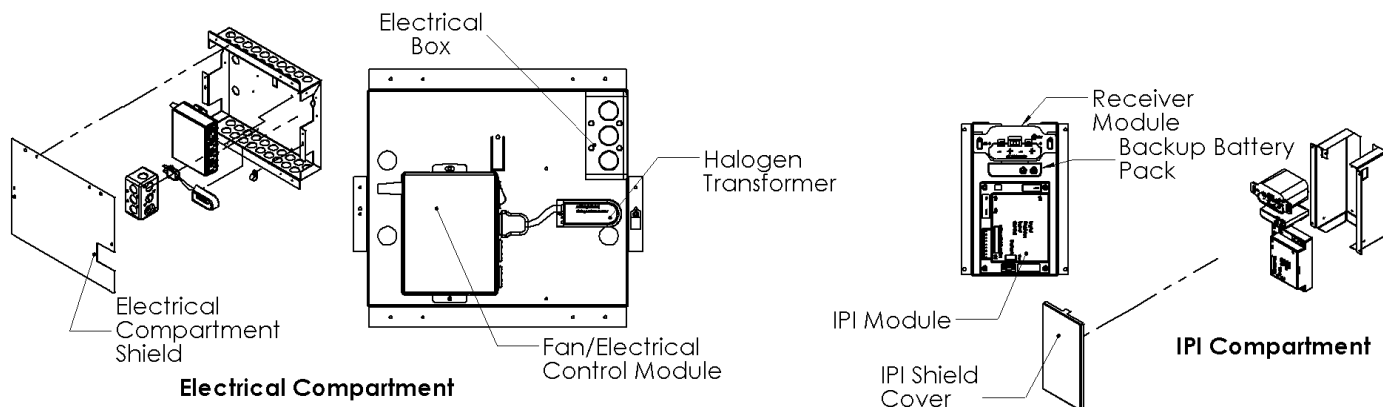
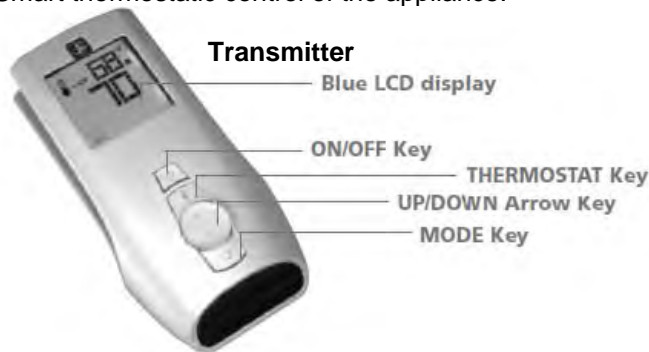


Figure 24 - Components inside the electrical and IPI compartments.

## -Remote Control Operation-

The Proflame GTM is configured to control the on/off main burner operation, its flame levels, and provides on/off and Smart thermostatic control of the appliance.



**Remote Receiver**



### Transmitter

The Transmitter is powered by 3 AAA type batteries. A Mode Key is provided to Index between the features and a Thermostat Key is used to turn on/off or index through thermostat functions

### Remote Receiver

The Receiver connects directly to the gas valve and stepper motor with a wiring harness. The Receiver is powered by 4 AA type batteries. The Receiver three position slider switch can be set to one of three positions: ON (Manual Override), Remote (Remote control) or Off.

### Initializing the System for the first time

Install 4 AA batteries into the receiver battery bay. Install 3 AAA type batteries in the Transmitter battery bay. Place the 3 position slider switch in the "Remote" position. Insert the end of a paper clip into the hole marked "PRG" on the Receiver front cover. The Receiver will "beep" three (3) times to indicate that it is ready to synchronize with a Transmitter. Push the On button. The Receiver will "beep" four times to indicate the Transmitter's command is accepted. The system is now initialized.

### Temperature indication Display

With the system in the "OFF" position, press the Thermostat Key and the Mode Key at the same time. Look at the LCD screen on the Transmitter to verify that a C or F is visible to the right of the Room Temperature display.

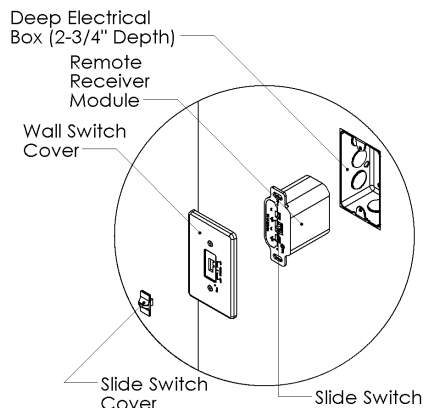
### Turn the Appliance On or Off

Press the ON/OFF Key on the Transmitter

### Remote Flame Control

The Proflame GTM has six (6) flame levels. Pressing the Down Arrow Key once will reduce the flame height by one step until the flame is turned off. The Up Arrow Key will increase the flame height each time it is pressed. If the Up Arrow Key is pressed while the system is on but the flame is off, the flame will come on in the high position.

**NOTE:** The Remote Receiver module can also be located outside of the appliance to a maximum of 6ft away installed in a certified deep wall switch electrical box (2-3/4" depth). For this configuration an extension wiring harness (P/N: 1001-P904SI) is required.



### Room Thermostat ( Transmitter Operation)

The Remote Control can operate as a room thermostat. To activate this function, press the Thermostat Key. The LCD display on the Transmitter will change to show that the room thermostat is "ON" and the set temperature is now displayed. To adjust the set temperature, press the Up or Down Arrow Keys until the desired set temperature is displayed on the LCD screen of the Transmitter.

### Smart Thermostat (Transmitter Operation)

The Smart Thermostat function adjusts the flame height in accordance to the difference between the set point temperature and the actual room temperatures. As the room temperature gets closer to the set point the Smart Function will modulate the flame down. To activate this function, press the Thermostat Key until the word "SMART" appears to the right of the temperature bulb graphic. To adjust the set temperature, press the Up or Down arrow Keys until the desired set point temperature is displayed.

### Key Lock Function

This function will lock the keys to avoid unsupervised operation. To activate this function, press the MODE and the UP Arrow Key at the same time. To de-activate this function, press the MODE and the UP Arrow Key at the same time.

### Low Battery Detection

**Transmitter** - When the Transmitter batteries are low, a Battery Icon will appear on the LCD display of the Transmitter.  
**Receiver** - When the Receiver batteries are low, No "beep" will be emitted from the Receiver when it receives an On/Off command from the Transmitter. When the batteries are replaced the "beep" will be emitted from the Receiver when the ON/OFF Key is pressed (See Initializing the System for the first time).

### Manual Bypass Of The Remote System

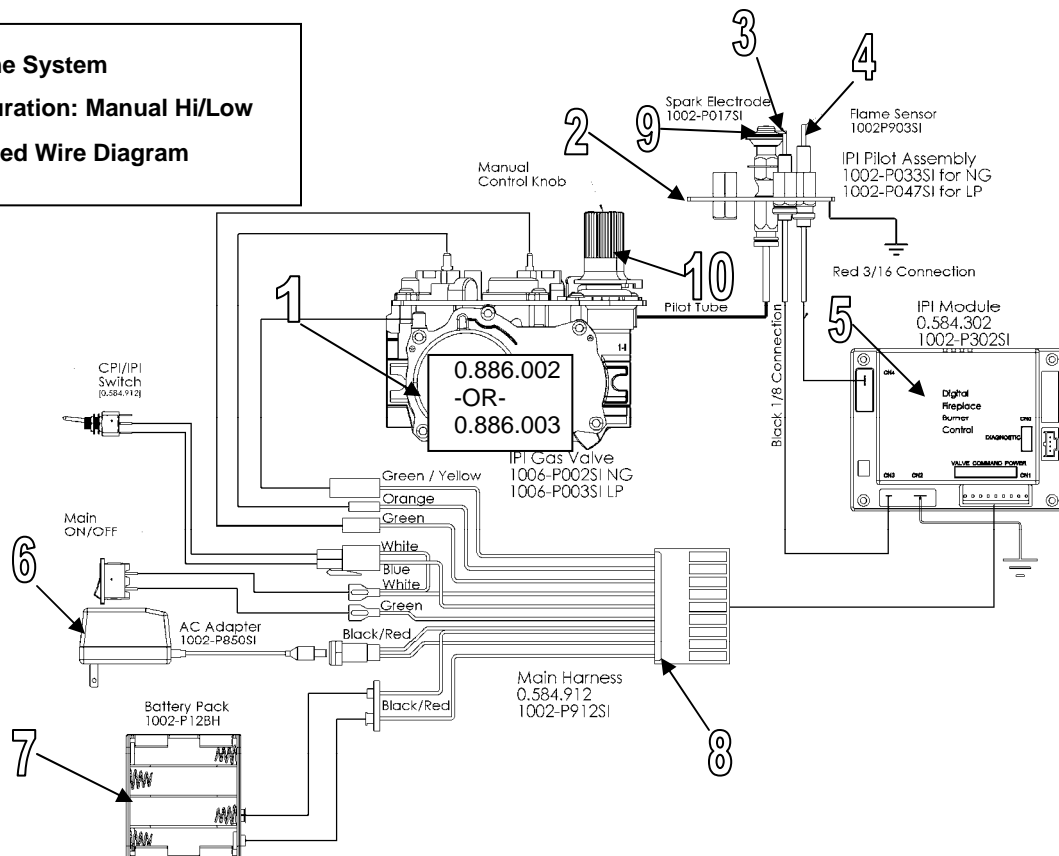
If the batteries of the Receiver or Transmitter are low or depleted, the appliance can be turned on manually by sliding the three position slider switch on the Receiver to the ON position. This will bypass the remote control feature and the appliance main burner will come on if the gas valve is in the "On" position.

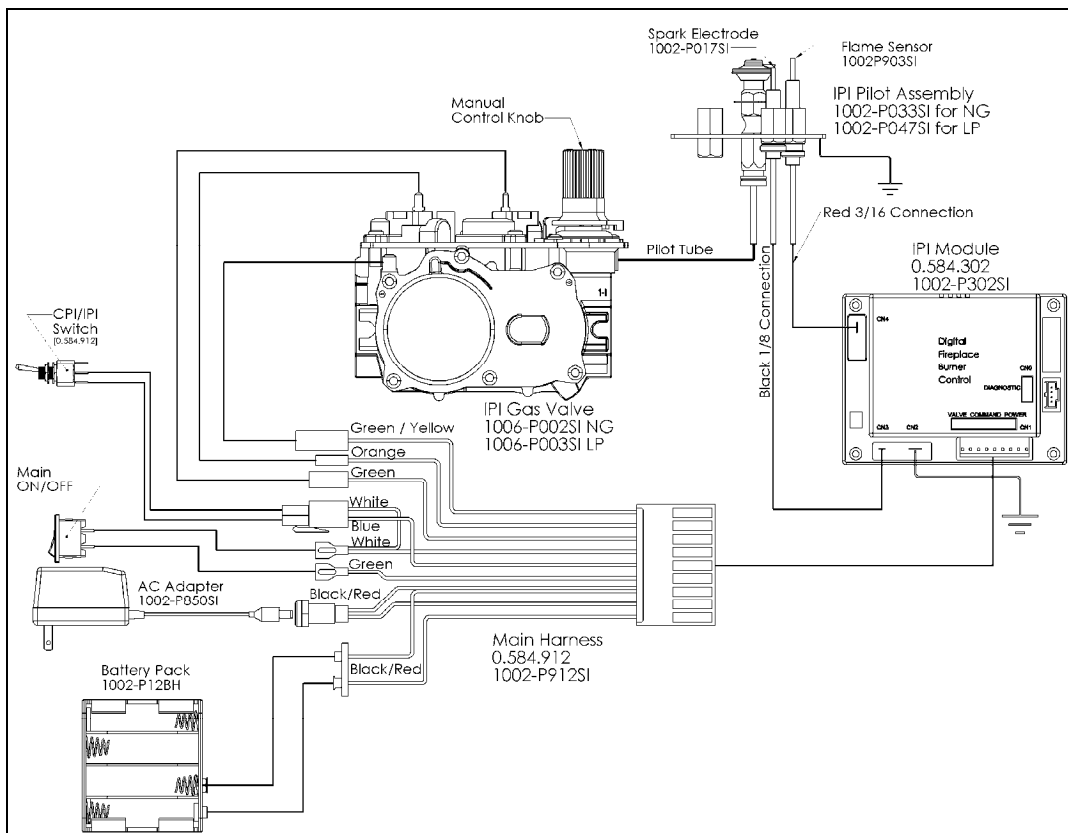
\*In the U.S.A. Thermostats are not permitted for Vented Gas Fireplaces (ANSI Z21.50b-2009 -Decorative).,

## IPI Electronic Ignition Parts List – Standard System

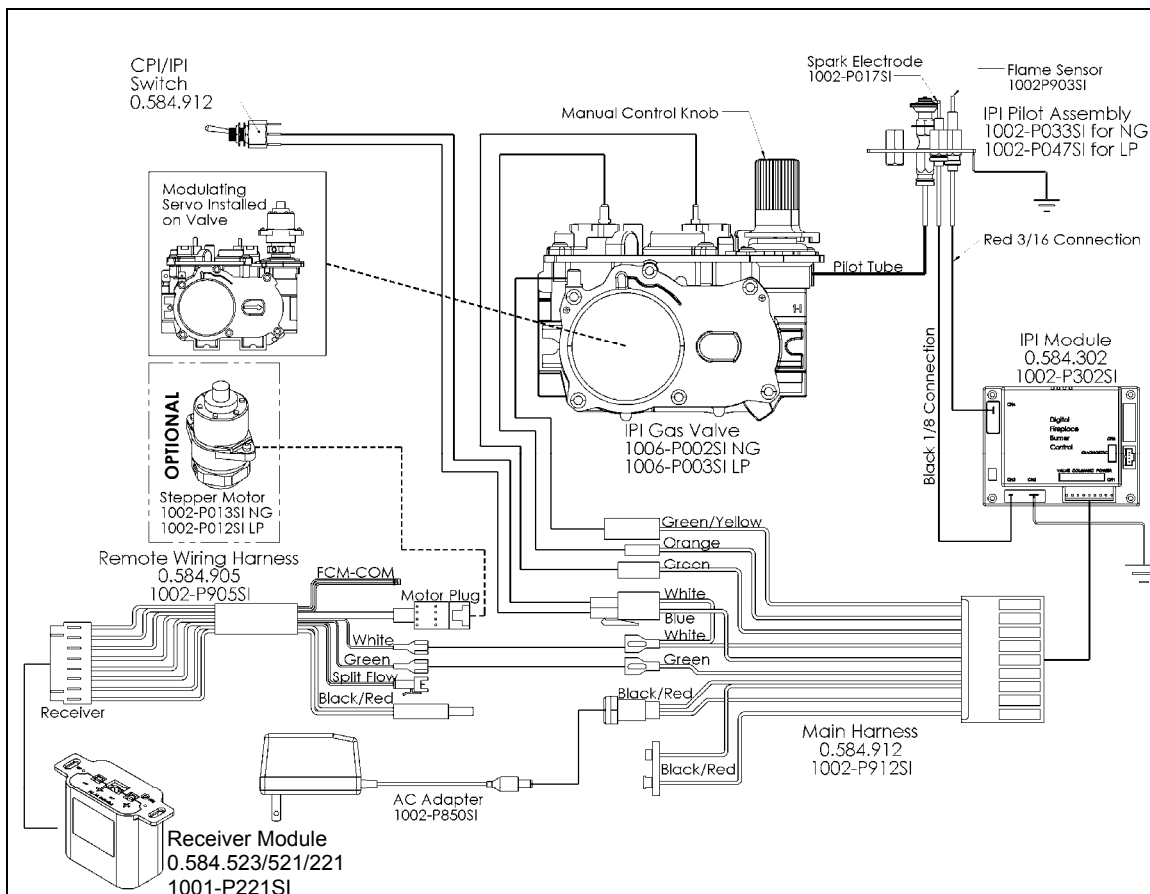
ITEM NO.	PART NO.	DESCRIPTION
1	1006-P002si	Valve IPI Hi/Lo NG
	1006-P003si	Valve IPI Hi/Lo LP
2	*1002-P047si	Pilot Assembly-LP -24" Wire
	*1002-P033si	Pilot Assembly-NG -24" Wire
3	1002-P017si	Spark Electrode (with wire)
	*1002-P119si	Spark Electrode (with wire- 35" Length)
4	1002-P903si	Electrode Flame Sensor
	*1002-P910si	Electrode Flame Sensor (35" Length)
5	1002-P302si	IPI Ignition Board
6	1002-P850si	AC Wall Adapter
7	1002-P12BH	Battery Pack
8	1002-P912si	Wiring Harness
9	1001-P166si	Orifice Pilot -NG#62
	1001-P168si	Orifice Pilot -LP#35
10	1002-P013si	Stepper Motor -NG
	1002-P012si	Stepper Motor -LP
	1002-P016si	Hi/Lo Regulator -NG
	1002-P014si	Hi/Lo Regulator -LP
*Models ZRB46E / MQRB4436E / MQRB5143E / MQRB6961E Longer (35") Wire length is required for these units.		

### Simplified Wire Diagram



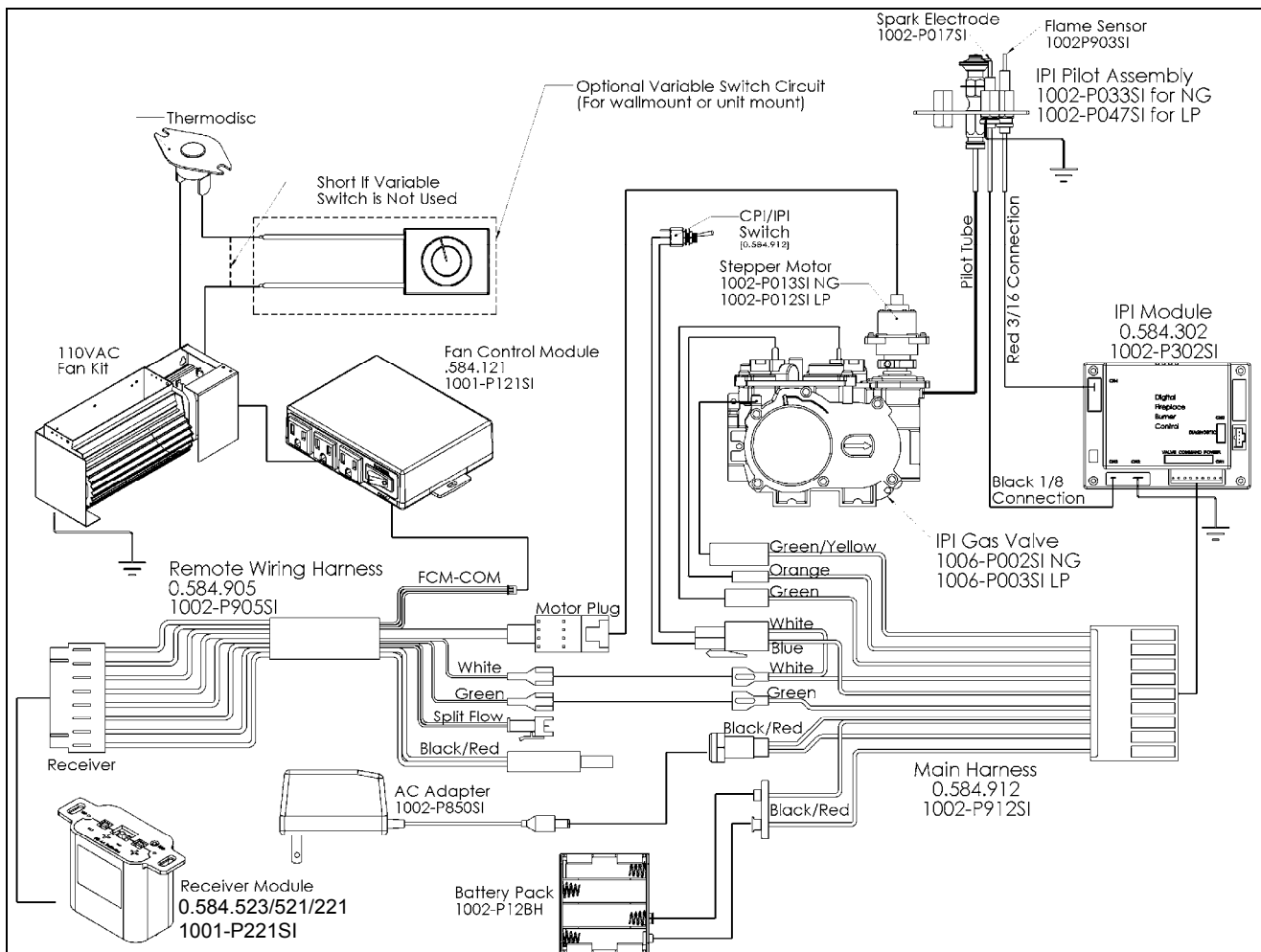


**Configuration #1: Basic manual HI/LO and manual ON/OFF capabilities.**

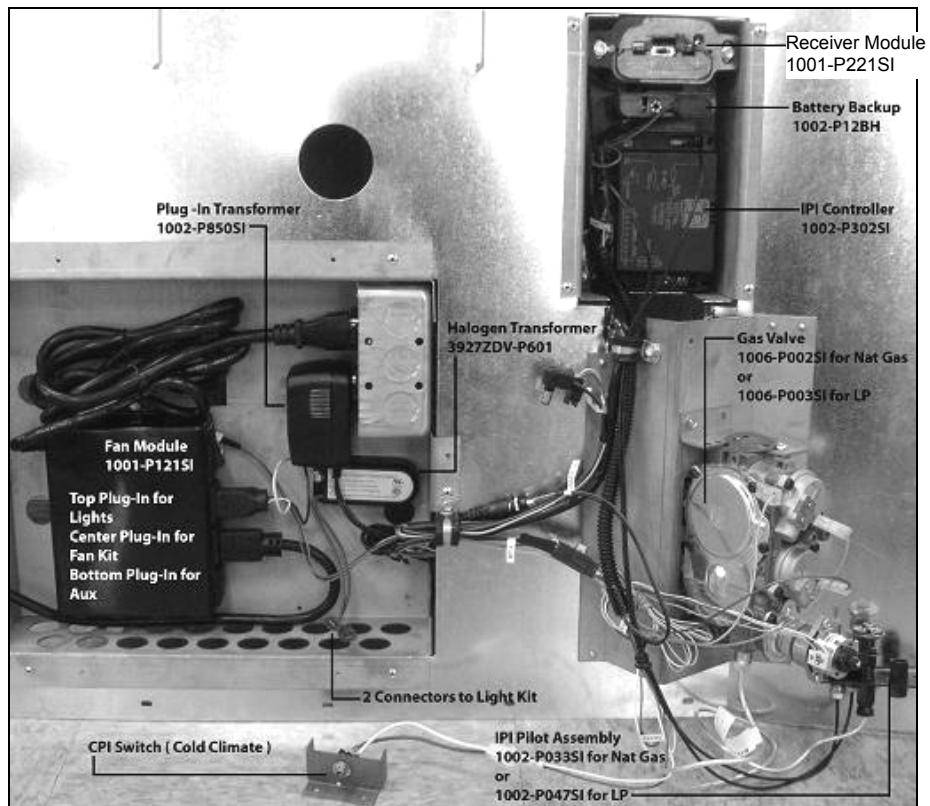


**Configuration #2: Remote ON/OFF and manual HI/LO capabilities. OPTIONAL:** For units with remote HI/LO capabilities, a modulating servo is required to be installed on the valve. The connectors to this servo must be connected to the Remote Harness as shown in the figure above.





Configuration #3: Remote ON/OFF, variable HI/LO, and fan capabilities. Refer to the Fan Installation/Removal Guide section for fan installation.



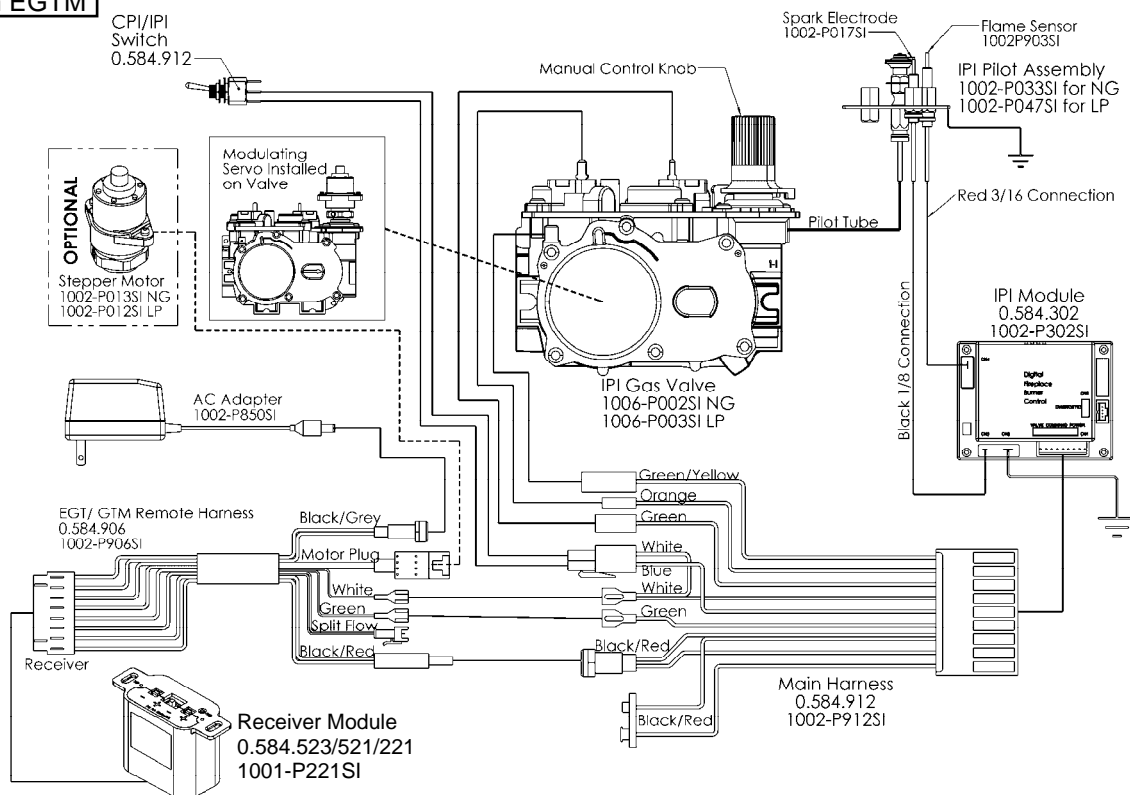
## Operating the Receiver Without Batteries For GT / EGT / GTM / EGTM Remote Controls

**-Wiring Harness P/N 1002-P906si required for both IPI & Millivolt systems.**

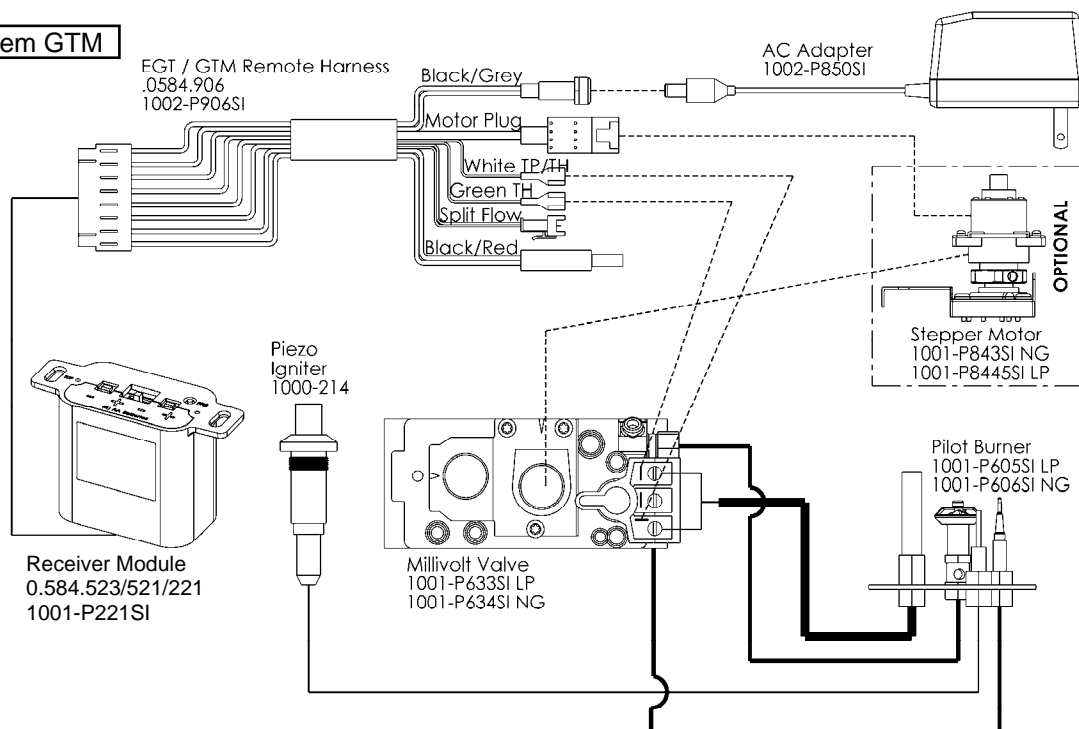
**-Millivolt Systems will also require Power Adapter P/N 1002-P850si.**

The Remote Receiver & IPI or Millivolt system can be powered by the AC Adapter. This is advantageous if you do not want to use batteries. Simply connect the AC Adapter into the Remote Control Wiring Harness as per the diagrams below.

### IPI System EGTM



### Millivolt System GTM



\*In the U.S.A. Thermostats are not permitted for Vented Gas Fireplaces (ANSI Z21.50b-2009 -Decorative).

# Electronic Ignition Lighting Instructions



## WARNING

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

Always light the pilot whether for the first time or if the gas supply has ran out with the glass door opened or removed.

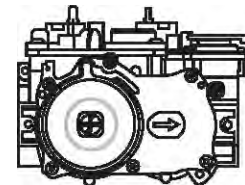
### FOR YOUR SAFETY READ BEFORE LIGHTING:



- A. This fireplace is equipped with an ignition device which automatically lights the pilot. Do not try to light by hand.
- B. Before operating smell all around the fireplace area for gas and next to the floor because some gas is heavier than air and will settle on the floor.
- C. Do not use this fireplace if any part has been under water. Immediately call a qualified service technician to inspect the fireplace and replace any part of the control system and any gas control which has been under water.

### WHAT TO DO IF YOU SMELL GAS:

- Turn off all gas to the fireplace.
- Open windows.
- 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.

### LIGHTING INSTRUCTIONS

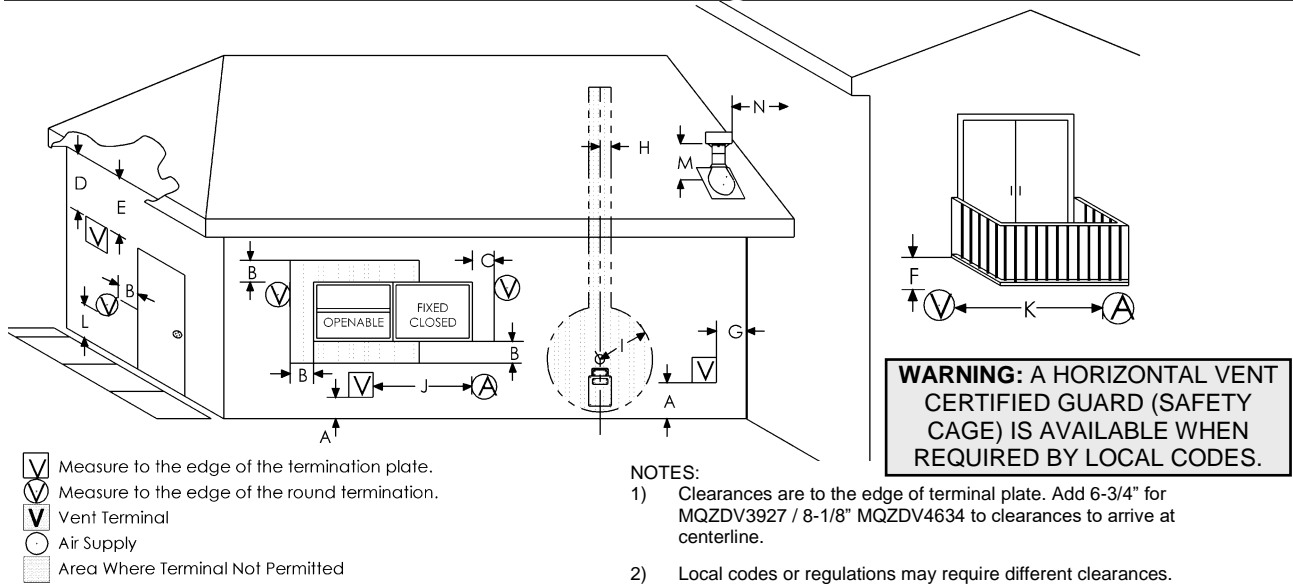


1. Stop! Read the above safety information on this label.
2. Remove batteries from receiver, and/or Battery Backup Pack.
3. Turn off all electric power to the fireplace.
4. This fireplace is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.
5. Open the glass door.
6. Turn manual shutoff valve clockwise  to off (Located behind the access panel).
7. Wait five (5) minutes to clear out any gas. If you smell gas including near the floor, **STOP!** Follow "B" in the above safety information on this label. If you don't smell gas go to the next step.
8. Turn manual shutoff valve counter-clockwise  to on.
9. Close the glass door.
10. Turn on all electric power to the fireplace and re-install batteries into the Transmitter/Receiver, and/or Battery Backup Pack.
11. Turn "On" Switch that operates the Main Burner. If using a Remote Control refer to Remote Control Operation Manual for activation.

### TO TURN OFF GAS

1. Turn off all electric power to the fireplace if service is to be performed, including removing batteries from Remote Transmitter/Receiver and/or Battery Backup Pack.
2. Access door inside the firebox must be removed to access the manual shutoff valve.
3. If alternate shut-off valve was installed it can be shutoff instead of going through the fireplace to access the fireplace shut off valve.

# Venting



- A. Clearance above grade, veranda, porch, deck, or balcony 12in [30cm] min.<sup>[1,2]</sup>
- B. Clearance to window or door that may be opened. 12in [30cm] min. for appliances 100,000BTUh [30kW] and lower, in Canada. 9in<sup>[2]</sup> [23cm] for appliances 50,000 BTUh and lower, in USA.
- C. Clearance to permanently closed window min. 12in [30cm] recommended to prevent condensation on window, in Canada. 9in<sup>[2]</sup> [23cm] for appliances 50,000 BTUh and lower, in USA.
- D. Vertical clearance to ventilated soffit located above the termination within a horizontal distance of 2ft [60cm] from the center line of the termination. (18in [46cm] MQZDV3927 / 24"[61cm] MQZDV4634) min.<sup>[4]</sup>
- E. Clearance to unventilated soffit 12in [30cm] min.
- F. Clearance under veranda, porch, deck or balcony 12in [30cm] min.<sup>[3]</sup> (US<sup>[4]</sup>)
- G. Clearance from a perpendicular inside wall or outer corner to the edge of the vent terminal plate is 3in [7.6cm] min.
- H. Clearance to each side of center line extended above meter/regulator assembly 3ft [91cm] within a height 15ft [4.5m] above the meter/regulator assembly.
- I. Clearance to service regulator vent outlet 3ft [91cm] min.<sup>[1]</sup> (US<sup>[4]</sup>)
- J. Clearance to non-mechanical air supply inlet to building or the combustion air inlet to any other appliance: In Canada, 6in [15cm] for appliances ≤10,000 BTUh [3kW], 12in<sup>[1]</sup> [30cm] minimum for appliances >10,000 BTUh [3kW] and ≤100,000 BTUh [30kW], 36in [91cm] for appliances >100,000 BTUh [30kW]. In the USA, 6in<sup>[2]</sup> [15cm] for appliances ≤10,000 BTUh [3kW], 9in [23cm] for appliances >10,000 BTUh [3kW] and ≤50,000 BTUh [15kW], 12in [30cm] for appliances >50,000 BTUh [15kW].
- K. Clearance to a mechanical air supply inlet 6ft [1.8m] min.<sup>[1]</sup> in Canada. In USA, 3ft [91cm] above if within 10ft<sup>[2]</sup> [3m] horizontally.
- L. Clearance above paved sidewalk or a paved driveway located on public property 7ft [2.1m] min.<sup>[5]</sup>
- M. Clearance above highest point of exit on roof 18in [45cm].
- N. Clearance to perpendicular wall 24in [60cm]. (Recommended to prevent re-circulation of exhaust products. For additional requirements check local codes.)
- O. A moisture-exhaust duct shall not terminate within 3 ft (1 m) in any direction of a **service regulator** or fresh-air intake.

<sup>1</sup> In accordance with the current CSA B149.1, Natural Gas and Propane Code.

<sup>2</sup> In accordance with the current ANSI Z223.1/NFPA 54, National Fuel Gas Code.

<sup>3</sup> Permitted only if veranda, porch, deck, or balcony is fully open on a minimum of two sides beneath the floor.

<sup>4</sup> Clearance in accordance with local installation codes and the requirements of the gas supplier.

<sup>5</sup> A vent shall not terminate directly above a sidewalk or paved driveway that is located between two single family dwellings and serves both dwellings.

## Termination

It is imperative that the vent termination be located observing the minimum clearances as shown. There must not be any obstruction such as bushes, garden sheds, fences, decks or utility buildings within 24" from the front of the termination plate.

Do not locate termination where excessive snow or ice build-up may occur. Be sure to check vent termination area after snow falls and clear to prevent accidental blockage of venting system. When using snow blowers, make sure snow is not directed towards vent termination area.

### General Venting Information

This gas fireplace is approved to be vented either through the side wall or vertically through the roof. It is approved with Kingsman flex vent system and also approved for use with DuraVent-DirectVent Pro Direct Vent System (model DV-GS series), AmeriVent Direct Vent Pipe System, and Selkirk Direct Temp.

Kingsman flex vent system can be used with DuraVent-DirectVent Pro Direct Vent termination's (model DV-GS series). When using DuraVent-DirectVent Pro, AmeriVent Direct Vent pipe, or Selkirk Direct Temp a Kingsman / DuraVent-DirectVent Pro adapter must be used.

ONLY VENTING COMPONENTS SPECIFICALLY APPROVED AND LABELED FOR THIS FIREPLACE MAY BE USED.

Minimum clearance to combustibles on venting is 1" [2.5cm] with the following exceptions:

Top of horizontal is 2-1/2" [6.4cm] for the MQZDV3927 and 3-1/2" [8.9cm] for MQZDV4634.

Top of 90 degree elbow is 4" [10.2cm] for MQZDV3927 and 11" [27.9cm] for MQZDV4634.

Venting terminal shall not be recessed into a wall or siding.

## Venting Routes and Components

Since it is very important that the vent system maintain its balance between the combustion air intake and the flue gas exhaust, certain limitations as to vent configurations apply and must be strictly adhered to. The table (see Horizontal Vent Table) showing the relationship between vertical and horizontal side wall venting will help to determine the various vent lengths.

The maximum horizontal run with the 90 degree bend at the fireplace flue outlet is 4ft [122cm]. The maximum horizontal run is 25ft [7.6m] when the vertical run is 6.5ft [2.0m]. Note: 1/4" [0.6cm] vertical rise is required for every 12" [30.5cm] of horizontal run.

The maximum number of 45 degree bends per side wall installation is two [2] in the horizontal run and then you must reduce the length of the horizontal by 18" [45.7cm] for each 45 degree bend.

The maximum vertical run is 40ft [12.2m].

**Special Note: For each 45 degree bend installed in the horizontal run, the length of the horizontal run must be reduced by 18" [45.7cm]. This does not apply if the 45 degree bends are installed on the vertical part of the vent system.**

### Example

If the length of the horizontal run is 10ft [3m], and two 45 degree bends are required, then the horizontal run length must be reduced to 7ft [2.1m] to achieve proper venting. If 10ft [3m] of horizontal run is required in conjunction with the two 45 degree bends, then the vertical run must be reduced appropriately. Please refer to Horizontal Vent Table for the relationship between horizontal and vertical runs.

Note that two additional 90 degree bends, or equivalent, are allowed. However, to do so the horizontal run must be reduced by 36" [91cm] for each 90 degree bend.

**IMPORTANT: Always locate the fireplace in such a way that a minimum of offsets and/or horizontal runs are required. 1/4" [0.6cm] vertical rise is required for every 12" [30.5cm] horizontal run.**

## Horizontal Vent Table

To use the Horizontal Vent Table, determine the total vertical height of the system and the number of bends required. Locate the value on the first column and then move across to see the corresponding maximum allowable horizontal run.

**NOTE: Measurements are taken from the center of the pipe.**

	Total Vertical		Max. Horizontal	
	Imperial	Metric	Imperial	Metric
MQZDV3927	56-1/2"	1.4m	4ft	2.4m
MQZDV4634	69-1/2"	1.8m	4ft	2.4m
	6.5ft	2.0m	20ft	6.1m
	7ft	2.1m	20ft	6.1m
	8ft	2.4m	20ft	6.1m
	9ft	2.7m	20ft	6.1m
	10ft	3.0m	20ft	6.1m
	11ft	3.4m	20ft	6.1m
	12ft	3.7m	20ft	6.1m
	13ft	4.0m	20ft	6.1m
	14ft	4.3m	20ft	6.1m
	15ft	4.6m	20ft	6.1m
	16ft	4.9m	20ft	6.1m
	17ft	5.2m	20ft	6.1m
	18ft	5.5m	21ft	6.4m
	19ft	5.8m	23ft	7.0m
	20ft	6.1m	25ft	7.6m
	25ft	7.6m	20ft	6.1m
	30ft	9.1m	15ft	4.6m
	45ft	13.7m	0ft	0m

The Horizontal Vent Table has been established for 90° horizontal/vertical runs. Therefore, flex pipes that do not have 90° bends will not fall into this vent table relationship.

**All Measurements are from the bottom of the appliance.**

**For Propane Horizontal installations the venting must be a minimum of two feet vertical off the flue before going horizontal.**

Horizontal Vent Table.

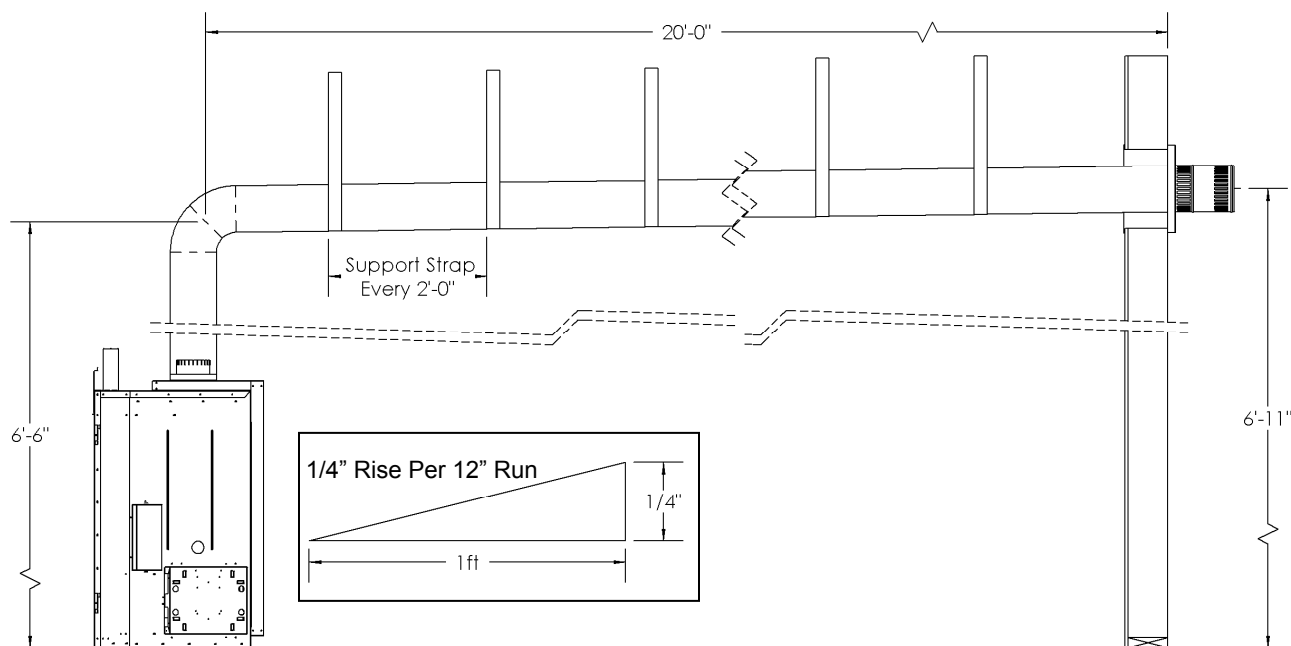


Figure 25 - Vent configuration for 6.5ft [2.0m] vertical and 20ft [6m] horizontal run.



## General Vent Installation Information

This gas appliance is approved to be vented either through the side wall or vertically through the roof. Only Kingsman Flex (Z-Flex) Venting Kits and components specifically approved and LABELED for this stove may be used. MQZDV3927 is also approved for use with DuraVent-DirectVent Pro Direct Vent system (Model DV-GS 5/8 for MQZDV3927 only), AmeriVent Direct Vent Pipe System, ICC Excel Direct, Metal Fab Sure-Seal DV and Selkirk Direct Temp.

### *Rigid or Hard Pipe for MQZDV3927*

When using DuraVent-DirectVent Pro, AmeriVent pipe, ICC Excel Direct, Metal Fab Sure-Seal DV and or Selkirk Direct Temp a DuraVent hard pipe adapter must be used (part no. Z57DFA for MQZDV3927). Follow installation instructions provided by DuraVent-DirectVent Pro/AmeriVent/Selkirk Direct Temp, ICC Excel Direct, Metal Fab Sure-Seal DV for installation of pipe and adhere to the clearance to combustibles provided in this manual. Apply a bead of Mill Pac high temp sealant to all joints of pipes, adapters and termination, when using Kingsman Flex (Z-Flex) venting and DuraVent-DirectVent Pro venting.



**WARNING: DO NOT mix parts from different systems unless stated in the manual.**

### *Flex Pipe Venting*

Kingsman Flex pipe is shipped in unexpanded length. When installing pipe expand the lengths. Pipe can be expanded to twice their lengths (e.g. 4ft to 8ft). Fully expand pipe and cut off excess.

Do not use more than two [2] couplers to extend short pipes. Single sections are preferred in an installation attaching at the fireplace and termination.

Place the spring spaces provided approximately every two feet to position the inner pipe centered in the outer pipe. When forming bends place spring in bend or before and after. Horizontal runs require support metal straps every 2ft [0.61m]. In offset installation support straps should be used to stabilize pipe.

Expand the coaxial flex pipe system to the point that the outer pipe protrudes approximately 2 to 3 inches [5.1cm-7.6cm] past outer wall. Additionally, the inner flex should protrude approximately 2 to 3 inches [5.1cm-7.6cm] past the outer pipe. Attach the inner pipe to the termination first and then secure it with sealant and screws. Then attach the outer flex pipe to the termination also with caulking and screws. The termination may then be moved back to the outer wall and attached to the home by screwing into the framing. Apply silicone to around the termination to waterproof the installation. If a siding shield is going to be used attach it using the same attachment holes as the top of the termination AFTER the termination has been caulked and sealed.

#### **FRAMING DIMENSIONS**

For combustible wall: Cut an 11" [27.9cm] square hole for the MQZDV3927 and 13-3/4" [34.9cm] for the MQZDV4634 through exterior wall and frame it as shown.

For non-combustible wall: Cut an 8" [20.3cm] diameter hole for the MQZDV3927 and 11" [27.9cm] hole for the MQZDV4634.

### *Use Hi Temp Sealant*

Apply a bead of Millpac high temperature sealant to all joints and use four screws to secure each pipe at the fireplace, termination and any joints when joining sections of vent pipes.

## Installation of Sidewall Venting

Note that the minimum height from the bottom of fireplace to the centre of vent is 55-1/2" [141 cm] for the MQZDV3927 and 68-1/2" [174cm] for the MQZDV4634. This dimension is for installations where venting exits immediately after its rise from the unit (i.e. zero/minimum horizontal length). In installations where there is a horizontal run simply refer to the Horizontal Vent Table to determine the vertical location of the hole cutout required.

1. In a combustible wall cut a square hole that is 11" x 11" [28cmx28cm] (inside dimension) for the MQZDV3927 or 13-3/4" x 13-3/4" [35cmx35cm] for the MQZDV4634. In a non-combustible wall, cut an 8" [20cm] diameter hole for the MQZDV3927 or an 11" [28cm] diameter hole for the MQZDV4634. Refer to Figure 1 for detail.
2. Note the **Clearance To Combustibles** as stated in this manual. Select the approximate vent length for your installation. Note that precise measurements are not needed as the flex pipe can be expanded to twice its shipped length.
3. If installing the wall thimble, center it over the square cutout hole and secure both pieces on either sides of the wall. Route the flex vent pipe through the wall thimble. Before joining pipes, apply a bead of high temperature sealant (Millpac) to the end. Then attach the inner pipe to the vent termination with sealant, and secure it with the four screws provided. At this time make sure the spacer springs are attached to the inner flex pipe. Then attach the outer pipe by the same method.
4. Mount the vent termination and seal it to wall using caulking around the thimble to weather proof. After installing the vent termination, double check to make sure the pipe extends properly through wall thimble and into the termination. Before joining pipes to the fireplace flue, apply a bead of high temperature sealant (Millpac) to the end of it. Then attach the inner flue pipe to fireplace with sealant; and secure with the four screws provided. At this time verify that the spacer springs are attached properly to the inner pipe and then attach the outer pipe by the same method.
5. Support the horizontal pipe every 2ft [61cm] with metal strap bands. Verify that the fireplace is leveled, properly positioned, and secured to the framing.
6. Support vertical pipes with metal strapping to maintain a minimum of 1" [2.5cm] or greater clearance to combustibles.

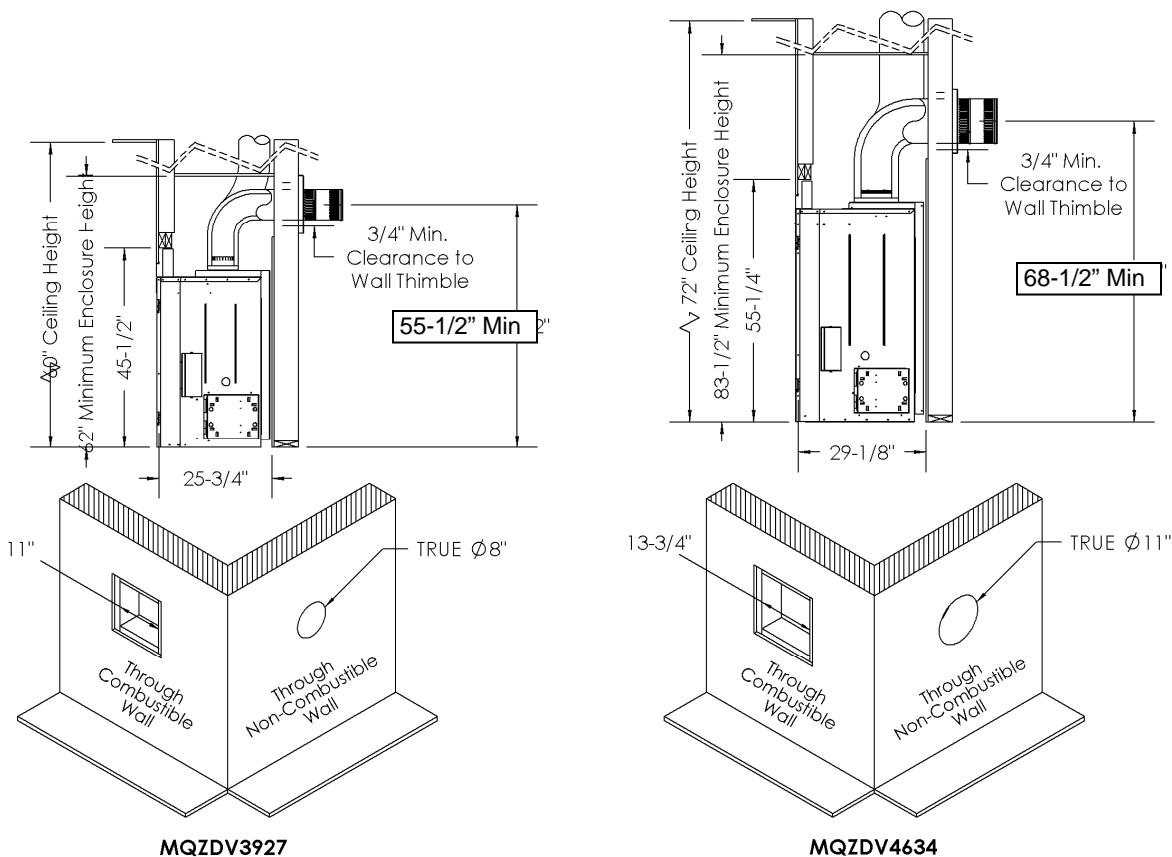
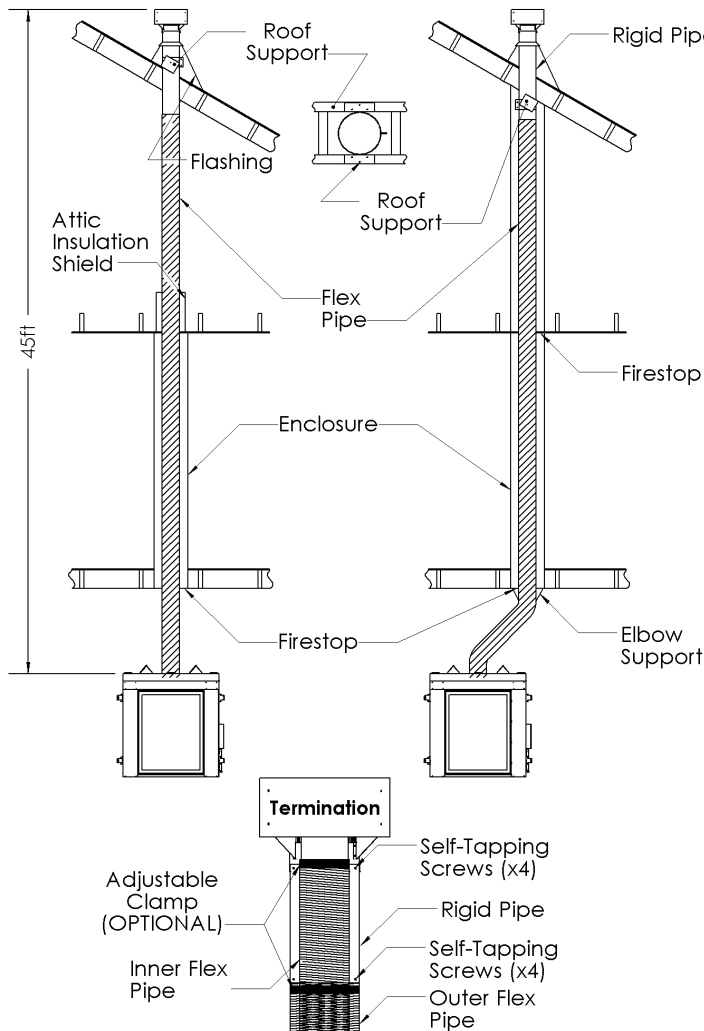


Figure 1 - Through outside wall installation.

Note: Vent Termination must not be recessed into wall or siding. If finishing the outside wall with vinyl or wood siding it is recommended that a Siding Shield be installed. Use the proper vent termination shield for the type of termination style.

## Vertical Venting Through Roof



When venting vertically through the roof, an Attic Insulation Shield must be installed where the vent passes from a lower living space into an attic space where the chimney is not enclosed. The Attic Insulation Shield is designed to keep insulation material away from the vent pipe. Furthermore, install the shield from below using a 1" [2.5cm] spiral nail.

A Firestop must be installed on the bottom side of the joists when passing through a ceiling or floor. However, in the area where the Attic Insulation Shield is installed, a Firestop is not required.

### Using Flex Bends

When using flex bends:

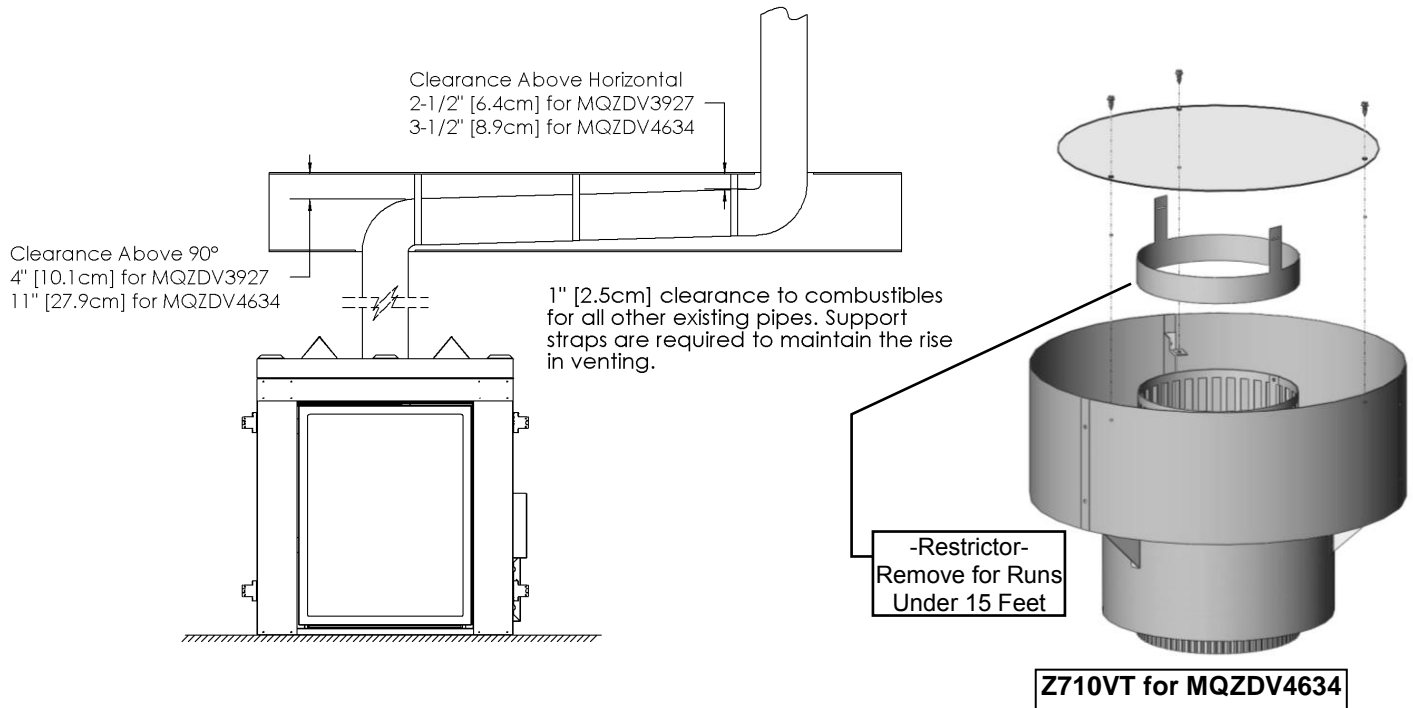
1. Avoid cutting joists by offsetting the flex pipe. When using 45° bends a Bend Support is required directly above the highest bend.
2. When installing a bend in a joist area or enclosure area a minimum of 4" [10.1cm] clearance to combustible to the top of bend must be maintained for the MQZDV3927 and 11" [27.9cm] for the MQZDV4634. The section of pipe installation that is horizontal must have a minimum clearances to combustible of 2-1/2" [6.4cm] and 3-1/2" [8.9cm] for the MQZDV3927 and MQZDV4634 respectively. The sides and bottom of the pipe must have a minimum of 1" [2.5cm]. Refer to **Clearance To Combustibles** for more details.
3. Maximum vertical height of system should not exceed 45ft [13.7m].
4. Use a roof support and a 7" [17.8cm] rigid pipe at roof level for the MQZDV3927 and a 10" [25.4cm] rigid pipe for the MQZDV4634. **Flex is not permitted within roof support.**
5. When penetrating the roof a rigid galvanized pipe must be used. Attach the outer flex pipe to the rigid pipe with high temperature sealant and secure it with four screws. The

inner flex pipe of the venting system may continue on to attach directly to the termination (i.e. no inner rigid pipe is required). It then must be secured the same way with four [4] screws. Ensure that the screws penetrate all the way through to the inner pipe of the termination. Attach the outer rigid pipe to the outer termination pipe with sealant and fasten with four [4] sheet metal screws.

6. Measuring from the highest point of exit on the roof line the vertical termination clearance is 18" [45.7cm] above the roof.
7. Support the vertical pipes to maintain minimum of 1" [2.5cm] or greater clearance to combustibles.

### Roof Flashing

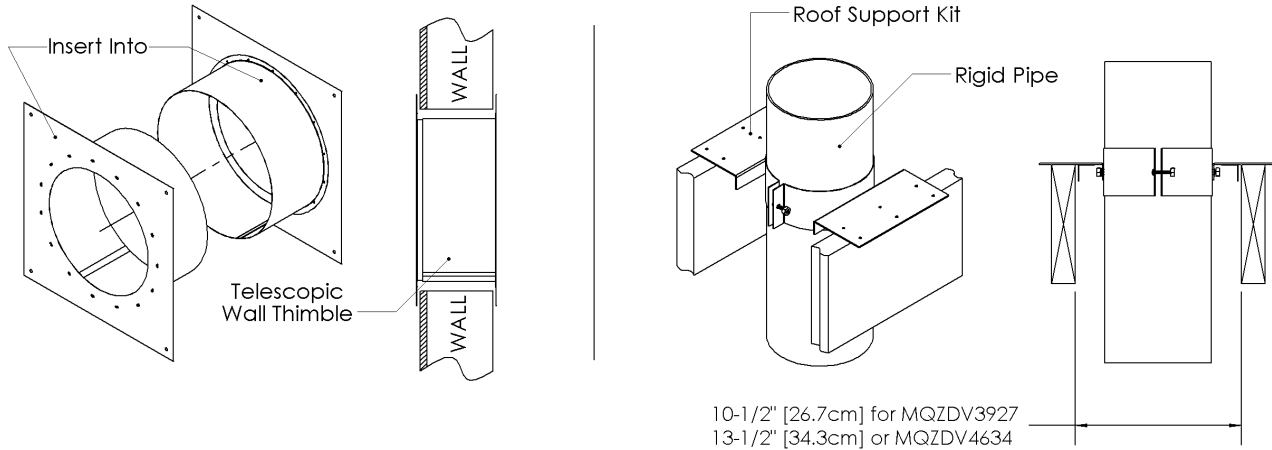
1. Ensure that you have the proper Roof Flashing by checking the roof pitch with a level and two rulers, or with a roof pitch card. Slide the Roof Flashing suitable for your roof slope over the vent.
2. Place the edge of the flashing plate that will be on the higher part of the roof slope under the shingles. Both the sides and the lower edge lay on top of the shingles. NOTE: At the top edge of the flashing plate, lift the shingles and nail the plate to the roof deck, then cement the shingles to the plate with suitable waterproof mastic.
3. Ensure that the chimney is plumb. Square up the flashing plate and then nail it in place to the roof deck. Use 12 nails with neoprene washers or cover the heads with suitable waterproof mastic.
4. Wrap the Storm Collar around the vent above the flashing. Secure the ends together loosely with the nuts and bolts supplied. Slide the collar down the vent until it comes in contact with the flashing. Tighten the bolt and seal the Storm Collar to the vent with suitable waterproof non-combustible mastic.
5. The flashing and storm collar should be painted to match the roof shingles. This will extend its life and improve the appearance. Clean, prime and paint with suitable painting products.



### Wall Thimble and Roof Support

The Wall Thimble is used to shield the combustible material from the vent pipe. The appropriate size of thimble is required for each model. Please contact your local dealer for more information.

The Roof Support is used to secure the vertical venting as it penetrates the roof. Please note that you may only install the roof support to a rigid pipe.




## -Glass Safety- All Units


### IT IS THE RESPONSIBILITY OF THE HOME OWNER TO ENSURE THAT NO ONE TOUCHES A HOT APPLIANCE.

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 the high surface temperatures of this appliance and should stay away to avoid burns or ignition of clothing.
- Do not clean when the glass is hot.
- 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.
- Do not leave the fireplace remote control where it is accessible to children.

**DANGER**



**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 shall be installed for the protection of children and other at-risk individuals.

## -Termination Cap Safety- All Units

**WARNING:**

**A HORIZONTAL VENT CERTIFIED GUARD (SAFETY CAGE) IS AVAILABLE WHEN REQUIRED BY LOCAL CODES.**

### SAFETY CAGES ARE AVAILABLE FOR ALL HORIZONTAL VENT TERMINATIONS. CHECK WITH YOUR DEALER.

- **TERMINATION CAP IS HOT!** Do not place flammable materials on or within 24 inches of termination caps.
- It is imperative that the vent termination be located observing the minimum clearances as shown in manual.
- There must not be any obstruction such as bushes, garden sheds, fences, decks or utility buildings within 24" from the front of the termination plate.
- Do not locate termination where excessive snow or ice build-up may occur. Be sure to check vent termination area after snow falls and clear to prevent accidental blockage of venting system. When using snow blowers, make sure snow is not directed towards vent termination area.
- Venting terminal shall not be recessed into a wall or siding.

## Approved for Power Vent PVH58

### The PVH58 Horizontal Power Vent is approved for the following models only:

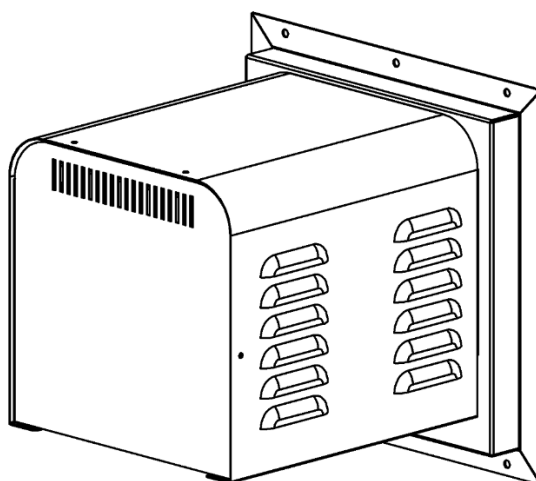
MDV31, MDV39, MQRB3632, ZDV3622, MQZDV3622, ZDV3622, HBZDV3624, HBZDV3628, HBZDV3632, MQHBZDV3636, HBZDV4224, HBZDV4228, HBZDV4232, MQHBZDV4236, HBZDV4740, MQHBZDV4736, MQRB4436, MQRB5143, MQRB6961, ZRB46, ZCV39, ZCV42, MCV42, MCVST42, MQZDV3927\*, MQZDV4634\*

**\*NOTE:** For MQZDV3927 and MQZDV4634, Power Vent Control Module (PVCM) must be placed outside of Fireplace.

The PVH58 Horizontal Power Vent Termination is intended for use where standard venting configurations are not possible.

**NOTE:** MODELS EQUIPPED WITH MILLIVOLT/ STANDING PILOT IGNITION: Downward vertical vent runs are **NOT** permitted.

**NOTE:** MODELS EQUIPPED WITH INTERMITTENT PILOT IGNITION:  
Downward vertical vent runs are permitted, however, Cold Climate Switch (Standing Pilot Mode) must not be used.



### PVH-58 Maximum / Minimum Vent Lengths:

**Maximum** Vent Length is 125 ft plus six 90° elbows with Air Intake Shutter fully closed. Termination must not be below unit.

This power vent can be installed up to 3ft below the installed fireplace on runs less than 100ft and not more than four 90° elbows.

**Minimum** Vent Length is 3ft horizontal plus minimum vertical rise with Air Intake Shutter fully open.

Refer to your appliance manual for Minimum Vertical Rise before First 90° elbow (Measured from bottom of appliance to center of vent pipe) to avoid overheating of vent pipe.

Refer to PVH58 Manual for proper installation and use.





## PVH58      Parts List

NUMBER	DESCRIPTION
PVH58	Horizontal Power Vent Termination
PVC58MV	Power Vent Control Module – Millivolt Box
PVC58IPI	Power Vent Control Module – IPI Box
PVH20H	Main Wiring Harness Assembly – Extension Harness (20ft)
<b>MQZDV3927 VENTING AND VENTING ADAPTERS (5/7)</b>	
<b>For fireplaces to be converted to hard pipe (Simpson Duravent, etc.) at the fireplace:</b>	
Z57DFA	Hard Pipe Adapter (Adapts MQZDV3927 to accept Hard Pipe at Fireplace)
<b>For Power Vent installations where flex pipe will be used up to the Power Vent unit:</b>	
Z57PVA*	Pipe Reducer 8"Sm – 7"Sm, ZDV5FC (Adapts PVH58 to accept 5/7" Flex Pipe)
* One 12" section of hard pipe must be connected directly to the Power Vent before any adapters are connected.	
Order the appropriate lengths of venting (see below).	
Z57FK5	Flex Kit (5" & 7" Dia.) x 5' Expanded (c/w Springs, Screws, Mill Pac)
Z57FK8	Flex Kit (5" & 7" Dia.) x 8' Expanded (c/w Springs, Screws, Mill Pac)
Z57FK20	Flex Kit (5" & 7" Dia.) x 20' Expanded (c/w Springs, Screws, Mill Pac)
ZDV5FC	Flex Connector 5" Diameter
ZDV7FC	Flex Connector 7" Diameter
ZDV5FCL	Flex Clamp 5"
ZDV7FCL	Flex Clamp 7"
ZDV4SS	Spring - Standoff Spacer for Inner Pipe
<b>MQZDV4634 VENTING AND VENTING ADAPTERS (7/10)</b>	
<b>For fireplaces to be converted to hard pipe (Simpson Duravent, etc.) at the fireplace:</b>	
Z69DFA	Pipe Reducer 10"Lg – 8"Sm, Pipe Reducer 7"Lg – 5"Sm, 2-1/4" x 10" Riser Collar (Adapts MQZDV4634 to accept Hard Pipe at Fireplace)
<b>For Power Vent installations where flex pipe will be used up to the Power Vent unit:</b>	
Z69PVA*	Pipe Reducer 10"Sm – 8"Sm, Pipe Reducer 7"Sm – 5"Sm (Adapts PVH58 to accept 7/10" Flex Pipe)
* One 12" section of hard pipe must be connected directly to the Power Vent before any adapters are connected.	
Order the appropriate lengths of venting (see below).	
Z710FK5	Flex Kit (7/10"x5' Expanded: Springs, Screws, Millpac)
Z710FK8	Flex Kit (7/10"x8' Expanded: Springs, Screws, Millpac)
Z710FK20	Flex Kit (7/10"x20' Exp.: Springs, Screws, Millpac)
ZDV7FC	Flex Connector 7" Diameter
ZDV10FC	Flex Connector 10" Diameter
ZDV7FCL	Flex Clamp 7" Diameter
ZDV10FCL	Flex Clamp 10" Diameter
ZDV7SS	Spring – Standoff Spacer for Inner Pipe

## Parts List

## MQZDV3927

Part No.	Description
<b>Fireplace Base Unit</b>	
MQZDV3927N [Millivolt]	DV HEATER RATED FIREPLACE
MQZDV3927NE [IPI]	NG; 42500Btu; 5/7 Flue; J. Box; Lights
MQZDV3927LP [Millivolt]	DV HEATER RATED FIREPLACE
MQZDV3927LPE [IPI]	LP; 40500Btu; 5/7 Flue; J. Box; Lights

### MQZDV3927 Requirements

<b>Log Sets, Platform Rock or Glass</b>	
MQLOGF39	9 Piece Fiber Log Set
VLBIT4	Optional Log Bits – Large 4 Piece Kit
VLBIT6	Optional Log Bits – Small 6 Piece Kit
MQRSP39BL	Support Platform for Rock or Glass
MQROCK2	Rock Set – Contemporary Collection [Neutral Colour]
MQROCK3	Rock Set – Contemporary Collection [Multicoloured]
MQG5W	Decorative Ember Glass [White, 5lbs]
MQG5A	Decorative Ember Glass [Turquoise, 5lbs]
MQG5C	Decorative Ember Glass [Copper, 5lbs]

### Liners for Firebox

MQ39RLT	Refractory Liners – Traditional [Left & Right Side; Rear]
MQ39RLH	Refractory Liners – Herringbone [Left & Right Side; Rear]
MQ39RLS	Refractory Liners – Sand Stone [Left & Right Side; Rear]
MQ39PL	Porcelain Liners – Black [Left & Right Side; Rear]
MQ39ML	Metal Liners – Black [Left & Right Side; Rear]

### MQZDV3927 Replacement Parts

<b>Glass</b>	
3927ZDV-310	32-5/8" x 25-9/16" 5mm Ceramic Glass
MQ3927CSS	Safety Screen Replacement

### Conversion Kits for MQZDV3927

Millivolt System	
3927-CKNG	NG Conversion Kit for MQZDV3927 Millivolt
3927-CKLP	LP Conversion Kit for MQZDV3927 Millivolt
IPI System	
3927-CKNGi	NG Conversion Kit for MQZDV3927 IPI
3927-CKLPi	LP Conversion Kit for MQZDV3927 IPI

### Venting Accessories

Z57HSK5	Horizontal Round Term. Vent Starter Kit [5/7" x 5ft Length, Wall Thimble Shield, Horizontal Vent Termination, Wall Thimble, 60" Flex Pipe, Millpac]
Z57HT	5/7" Horizontal Vent Termination
Z57VT	5/7" Vertical Vent Termination
FDVHSS	Horizontal Stucco Shield
FDVHSCU	Safety Cage Universal for Horizontal Termination
ZDVAIS	Attic Insulation Shield
ZDVVOS	Offset Support
ZDVFS	Firestop Spacer
ZDVRS	Roof Support
ZDVWT	Wall Thimble [Horizontal Venting]
ZDVSS	Siding Shield – Heat Deflector for FDVHT
ZDVSSLR	Siding Shield – Large Return for FDVHSQ or FDVHT
ZDV48GP	Galvanized Pipe 7" Dia. X 48" [Vertical Installation]
ZDVAAF	Flashing 7" c/w Storm Collar (1/12 to 7/12)
ZDVAF2	Flashing 7" c/w Storm Collar (8/12 to 12/12)
ZDVAF3	Flashing 7" c/w Storm Collar Flat
ZDV7SC	Storm Collar 7"
Z57FK5	Flex Kit [5/7"x5' Expanded: Springs, Screws, Millpac]
Z57FK8	Flex Kit [5/7"x8' Expanded: Springs, Screws, Millpac]
Z57FK20	Flex Kit [5/7"x20' Expanded: Springs, Screws, Millpac]
ZDV5FC	Flex Connector 5" Diameter
ZDV7FC	Flex Connector 7" Diameter
ZDV5FCL	Flex Clamp 5"
ZDV7FCL	Flex Clamp 7"
ZDV5SS	Spring Standoff Spacer for Inner Pipe
Z57DFA	Hard Pipe Adapter [5/8"]

## MQZDV4634

Part No.	Description
<b>Fireplace Base Unit</b>	
MQZDV4634N [Millivolt]	DV DECORATIVE FIREPLACE
MQZDV4634NE [IPI]	NG; 59000Btu; 7/10 Flue; J. Box; Lights
MQZDV4634LP [Millivolt]	DV DECORATIVE FIREPLACE
MQZDV4634LPE [IPI]	LP; 55500Btu; 7/10 Flue; J. Box; Lights

### MQZDV4634 Requirements

<b>Log Sets, Platform Rock or Glass</b>	
MQLOGF46	9 Piece Fiber Log Set
VLBIT4	Optional Log Bits – Large 4 Piece Kit
VLBIT6	Optional Log Bits – Small 6 Piece Kit
MQRSP39BL	Support Platform for Rock or Glass
MQROCK2	Rock Set – Contemporary Collection [Neutral Colour]
MQROCK3	Rock Set – Contemporary Collection [Multicoloured]
MQG5W	Decorative Ember Glass [White, 5lbs]
MQG5A	Decorative Ember Glass [Turquoise, 5lbs]
MQG5C	Decorative Ember Glass [Copper, 5lbs]

### Liners for Firebox

MQ46RLT	Refractory Liners – Traditional [Left & Right Side; Rear]
MQ46RLH	Refractory Liners – Herringbone [Left & Right Side; Rear]
MQ46RLS	Refractory Liners – Sand Stone [Left & Right Side; Rear]
MQ46PL	Porcelain Liners – Black [Left & Right Side; Rear]
MQ46ML	Metal Liners – Black [Left & Right Side; Rear]

### MQZDV4634 Replacement Parts

<b>Glass</b>	
4634ZDV-311	42-1/4" x 32-7/8" 5mm Low-e Tempered Glass
MQ4634CSS	Safety Screen Replacement

### Conversion Kits for MQZDV4634

Millivolt System	
4634-CKNG	NG Conversion Kit for MQZDV4634 Millivolt
4634-CKLP	LP Conversion Kit for MQZDV4634 Millivolt
IPI System	
4634-CKNGi	NG Conversion Kit for MQZDV4634 IPI
4634-CKLPi	LP Conversion Kit for MQZDV4634 IPI

### Venting Accessories

ZDV710HSK5	Horizontal Round Term. Vent Starter Kit [7/10" x 5ft Length, Wall Thimble Shield, Horizontal Vent Termination, Wall Thimble, 60" Flex Pipe, Millpac]
Z710HT	7/10" Horizontal Vent Termination
Z710VT	7/10" Vertical Vent Termination
Z710WT	Wall Thimble Shield for 7/10" Pipe
Z710SS	Siding Shield Heat Deflector for ZDV710HT
Z710AIS	Attic Insulation Shield for 10" Pipe
Z710GP48	Galvanized Pipe 10" Dia. X 4ft (Vertical Installation)
Z710FS	Firestop Spacer for 10" Pipe
Z710RS	Roof Support for 10" Pipe
Z710FK5	Flex Kit [7/10"x5' Expanded: Springs, Screws, Millpac]
Z710FK8	Flex Kit [7/10"x8' Expanded: Springs, Screws, Millpac]
Z710FK20	Flex Kit [7/10"x20' Exp.: Springs, Screws, Millpac]
ZDV7FC	Flex Connector 7" Diameter
ZDV10FC	Flex Connector 10" Diameter
ZDV7FCL	Flex Clamp 7" Diameter
ZDV10FCL	Flex Clamp 10" Diameter
Z710SC	Storm Collar 10" Diameter
Z710F	Flashing 10" c/w Storm Collar (1/12 to 7/12)
Z710F2	Flashing 10" c/w Storm Collar (8/12 to 12/12)
Z710F3	Flashing 10" c/w Storm Collar Flat
ZDV7SS	Spring – Standoff Spacer for Inner Pipe
Z710HSC	Horizontal Safety Cage
ZDVVOS	Offset Support
Z710MIS	Mylar Insulation Sleeve – (10" x 10ft)

1001-P508si HT Cable 16"

#### Lighting Accessories

3927ZDV-P779-1 Halogen Bulb  
10W 12V 64418 [or Sylvania 58691]  
Light bulbs are NOT covered under warranty.

5143-P77912 Lamp Assembly 58mm  
Light bulbs are NOT covered under warranty.

3927ZDV-P601 Halogen Solid State Transformer 12V 60W  
3343ZDV-3240 Terminal Fibre Isolator  
1001-P1636C 6 Conductor  
1001-P1630 Fixing Carrier

#### Miscellaneous Parts

1000-150GE #Silicone GE Red IS806 #736  
1000-150MP #Hi-Temp Mill Pac Sealant 840099  
1000-214 #Piezo-Igniter 1244-17 MARK 21  
1000-215 #Pal Nut (18MMX1.5MM) Blk (1364.03)  
1000-218 #Switch Ivory (1451/001)  
1000-227 #Cover Ivory (86001/001)  
1000-255 #Orifice Brass - (State Size)  
1000-EMBER #Moon Rock  
2000-080 #Thermomisc 2450 (For Blower)  
1000-085 #Control Variable Speed KBWC-13BV  
FP15GC Stainless Steel Gas Connector  
1000-306 Thermalcord  
[Adhesive Back for Door Frame]

Z1MT Wall Mount Millivolt Thermostat (Thermostats are not permitted for vented [Decorative] gas fireplaces installed in the U.S.A.)

36HB-123 Door Springs for Door Relief  
Z39FK Fan Kit  
[Blower Motor QLN65/0018 with 8ft Cord]

IN THE USA A DECORATIVE PRODUCT (ANSI Z21-50):  
NOT FOR USE AS A HEATING APPLIANCE;  
THERMOSTATS (STANDARD OR OPTIONAL) ARE NOT  
PERMITTED, THE WARRANTY IS VOID IF A  
THERMOSTAT IS INSTALLED.

## Common Parts for MQZDV3927 and MQZDV4634

### Electronic Ignition / Remote Control [IPI]

EGTRC Remote Control IPI  
[Thermostat (Thermostats are not permitted for vented [Decorative] gas fireplaces installed in the U.S.A.)]

EGTMRCN Remote Control IPI  
[Thermostat (Thermostats are not permitted for vented [Decorative] gas fireplaces installed in the U.S.A.)/Modulating – NG]

EGTMRCP Remote Control IPI  
[Thermostat (Thermostats are not permitted for vented [Decorative] gas fireplaces installed in the U.S.A.)/Modulating – LP]

EGTFRCN Remote Control IPI  
[Thermostat (Thermostats are not permitted for vented [Decorative] gas fireplaces installed in the U.S.A.)/Modulating/Fan – NG]

EGTFRCP Remote Control IPI  
[Thermostat (Thermostats are not permitted for vented [Decorative] gas fireplaces installed in the U.S.A.)/Modulating/Fan – LP]

### Electronic Ignition Replacement Parts [IPI]

1002-P001si Valve IPI [NG; ON/OFF]  
1002-P002si Valve IPI [LP; ON/OFF]  
1006-P002si Valve IPI [NG; Hi/Lo]  
1006-P603si Valve IPI [LP; Hi/Lo]  
1002-P047si Pilot Assembly [LP]  
1002-P033si Pilot Assembly [NG]  
1002-P017si Spark Electrode  
1002-P903si Electrode Flame Sensor  
1002-P302si IPI Ignition Board  
1002-P850si AC Wall Adapter  
1002-P12BH Battery Pack  
1002-P912si Wiring Harness  
1001-P166si Orifice Pilot [NG #62]  
1001-P168si Orifice Pilot [LP #35]  
1002-P013si Stepper Motor [NG]  
1002-P012si Stepper Motor [LP]  
1002-P016si Hi/Lo Regulator [NG]  
1002-P014si Hi/Lo Regulator [LP]

### Millivolt System / Remote Control

GFRC Remote Control Millivolt/IPI  
[ON/OFF]

GTRC Remote Control Millivolt  
[Thermostat (Thermostats are not permitted for vented [Decorative] gas fireplaces installed in the U.S.A.)]

GTMR CN Remote Control Millivolt  
[Thermostat (Thermostats are not permitted for vented [Decorative] gas fireplaces installed in the U.S.A.)/Modulating – NG]

GTMRCP Remote Control Millivolt  
[Thermostat (Thermostats are not permitted for vented [Decorative] gas fireplaces installed in the U.S.A.)/Modulating – LP]

GTFRCN Remote Control Millivolt  
[Thermostat (Thermostats are not permitted for vented [Decorative] gas fireplaces installed in the U.S.A.)/Modulating/Fan – NG]

GTFRCP Remote Control Millivolt  
[Thermostat (Thermostats are not permitted for vented [Decorative] gas fireplaces installed in the U.S.A.)/Modulating/Fan – LP]

### Millivolt System Replacement Parts

1000-P136WR Thermopile GOAI-524  
1001-P069si Electrode Sparker  
1001-P216si Thermocouple 290.216TC SIT  
1001-P165si Orifice Pilot NG977.165TC SIT  
1001-P167si Orifice Pilot LP977.167TC SIT  
1001-P633si Valve Nova LP Hi/Lo 0820651  
1001-P634si Valve Nova NG Hi/Lo 0820652  
1001-P713si Pilot Burner LP 199.713TC SIT  
1001-P714si Pilot Burner NG 199.714TC SIT

## Troubleshooting the Gas Control System



### WARNING

BEFORE DOING ANY GAS CONTROL SERVICE WORK, REMOVE THE GLASS FRONT. Before troubleshooting the gas control system, be sure external gas shut off is in the "On" position.

Problem	Possible Causes	Corrective Action
Spark igniter will not light.	Defective or misaligned electrode at pilot. Defective igniter (push-button).	Check for spark at electrode and pilot: if no spark and electrode wire is properly connected, replace igniter. Using a match, light pilot. If pilot lights, turn off pilot and push the red button again. If pilot will not light - check gap at electrode and pilot should be 1/8" to 1/4" to have a strong spark.
Pilot will not stay lit after carefully following lighting instructions.	Defective thermocouple (flame switch where applicable). Defective valve magnet.	Check pilot flame. Must impinge on generator and thermocouple. Clean and/or adjust pilot for maximum flame impingement on generator and thermocouple. Replace thermocouple if pilot will not hold. (Hand tight 1/8 turn on replacement) Replace valve, if pilot won't hold after the thermocouple is replaced.
Pilot burning, no gas to burner, valve knob "ON", and wall switch "ON".	Wall switch or wires defective. Generator may not be generating sufficient voltage. Plugged burner orifice. Defective automatic valve operator.	Check wall switch and wires for proper connections. Jumper wire across terminals at wall switch. If burner comes on, replace defective wall switch. If okay, jumper wires, across wall switch wires at valve. If burner comes on, wires are faulty or connections are bad. Check generator with millivolt meter. Take reading at generator terminals of gas valve. Should read 325 millivolts minimum while holding valve knob depressed in pilot position and wall switch "off" Replace faulty generator if reading is below specified minimum. Check burner orifice for stoppage and remove. Remove wall switch wires from gas valve. Install jumper wires from top bottom terminals of gas valve. Turn valve on "ON". If main burner does not light, replace valve.
Frequent pilot outage problem.	Pilot flame may be too low or blowing (high) causing the pilot safety to drop out.	Clean and/or adjust pilot flame for maximum flame impingement on generator and thermocouple.
Flame lifts off burner and goes out in less than 30 seconds.	The inner liner has come off flue or termination, flame is starving for oxygen.	Attach the inner liner to flue or termination using screws, silicone and clamps as stated in manual.
Flame lifts off burner on one side while the rest of the flame remains lit.	Improper installation of firebrick. Firebrick is likely leaning.	Be sure to position firebrick against firebox walls and be sure to use brick clips attached to the inner side of firebox.



## LIMITED LIFETIME WARRANTY

This Limited Lifetime Warranty applies only while the unit remains at the site of the original installation and only if the unit is installed inside the continental United States, Alaska, Hawaii, and Canada. The warranty applies only if the unit is installed and operated in accordance with the printed instructions and in compliance with applicable installation and building codes and good trade practices.

### BASIC ONE YEAR WARRANTY

During the first year after installation, we will provide a replacement for any component part of your unit found to be defective in materials or workmanship, including labour costs. Repair work requires prior approval by Kingsman, labour costs are based on a predetermined rate schedule and any repair work must be done through an authorized Kingsman dealer.

(Excluded Components: Accent Light Bulbs, Gasketing and Paint)

### LIMITED LIFETIME WARRANTY

The heat exchanger, combustion chamber and burner of every Kingsman product excluding the Outdoor Firepit are warranted against materials or workmanship during the period the product is owned by the original owner. The part to be replaced must be returned to our distributor in exchange for the replacement part. Any labor, material, freight and/or handling charges associated with any repair or replacement pursuant to this Limited Lifetime Warranty will not be covered by this warranty.

### GENERAL TERMS

In lieu of providing a replacement part, we may, at our option, provide the distributor's component purchase price from us or a credit equal to the distributor's component purchase price from us toward the purchase of any new unit which we distribute. If a credit is given in lieu of a replacement part, the rating plate from the unit being replaced must be submitted on a warranty claim, and the unit being replaced must be made available to our distributor for disposition.

In establishing the date of installation for any purpose, including determination of the starting date for the term of this Limited Lifetime Warranty, reasonable proof of the original installation date must be presented\*, otherwise the effective date will be based upon the date of manufacture plus thirty (30) days.

We will not be responsible for and you, the user, will pay for: (a) damages caused by accident, abuse, negligence, misuse, riot, fire, flood, or Acts of God (b) damages caused by operating the unit where there is a corrosive atmosphere containing chlorine, fluorine, or any other damaging chemicals (other than in a normal residential environment) (c) damages caused by any unauthorized alteration or repair of the unit affecting its stability or performance (d) damages caused by improper matching or application of the unit or the unit's components (e) damages caused by failing to provide proper maintenance and service to the unit (f) any expenses incurred for erecting, disconnecting or dismantling the unit (g) parts or supplies used in connection with service or maintenance (h) damage repairs, inoperation or inefficiency resulting from faulty installation or application (i) electricity or fuel costs or any increase in electricity or fuel cost whatsoever including additional or unusual use of supplemental electric heat.

We shall not be liable for any incidental, consequential, or special damages or expenses in connection with any use or failure of this unit. We have not made and do not make any representation or warranty of fitness for a particular use or purpose, and there is no implied condition of fitness for a particular use or purpose. We make no express warranties except as stated in this Limited Lifetime Warranty. No one is authorized to change this Limited Lifetime Warranty or to create for us any other obligation or liability in connections with this unit. Any implied warranties shall last for one year after the original installation. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages or do not allow limitations on how long an implied warranty or condition lasts, so the above limitations or exclusions may not apply to you. The provisions of this limited warranty are in additions to and not a modification of or subtraction from any statutory warranties and other rights and remedies provided by law.

Save this certificate. It gives you specific legal rights, and you may also have other rights which may vary from state to state and province to province.

In the event your unit needs servicing, contact your dealer or contractor who installed or serviced your unit. When requesting service, please have the model and serial number from each unit readily available. If your dealer needs assistance, the distributor is available for support and we, in turn support the distributor's efforts.

Fill in the installation date and model and serial numbers of the unit in the space provided below and retain this limited warranty for your files.

Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_ Date installed \_\_\_\_\_

Dealer or Contractor Name: \_\_\_\_\_

\*To receive advantage of your warranty, you must retain the original records that can establish the installation date of your unit.

**The Ultimate in Design, Engineering & Quality**