Installation Instructions

Intertek 4000720

Model Numbers: ZV3600N, ZV3600NE, ZV3600LP, ZV3600LPE

Certified to: ANSI Z21.50-2014 • CSA 2.22-2014

ZERO CLEARANCE VENTED GAS FIREPLACE

⚠ 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.**

KINGSMAN FIREPLACES Est. 1976

INSTALLER: Leave this manual with the appliance.

CONSUMER: Retain this manual for future reference.

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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 (if a fan is present) 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.

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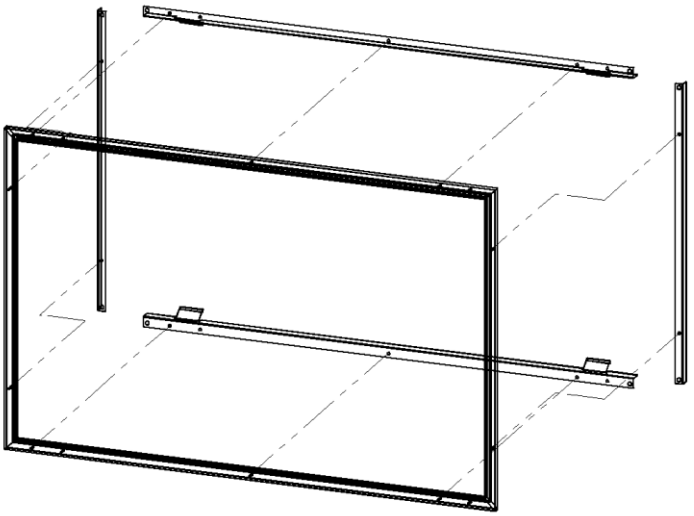
Safety Screen Installation Z Series

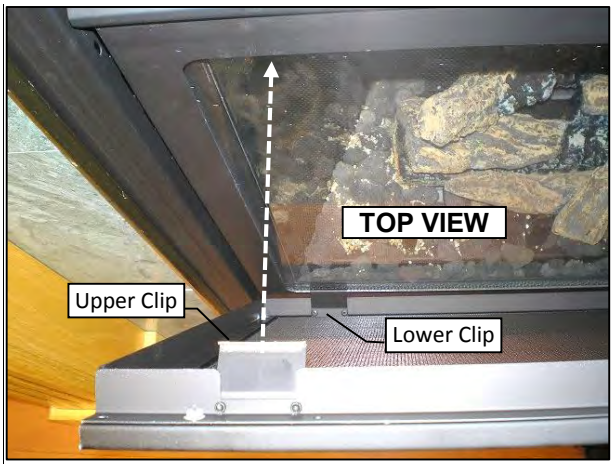
Contents of Kit:
[1] Safety Screen
[2] Side Angles
[2] Horizontal Angles
[12-16] DT Screws (Depending on screen size)
Assembly: Attach components with supplied screws as shown.

NOTE: Screens are symmetrical from top to bottom.

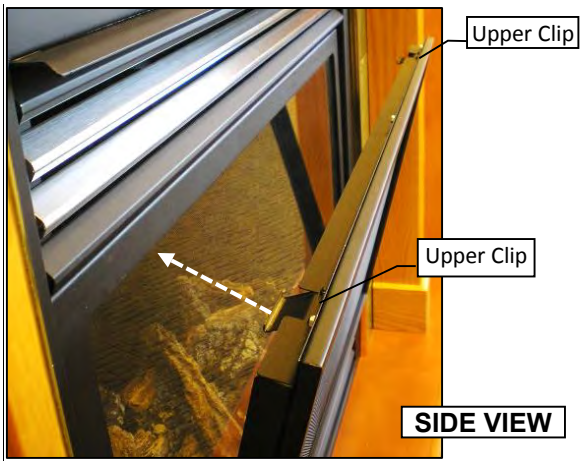
⚠WARNING:
Wait until unit is COMPLETELY cool before touching glass or attempting to install or remove Child Safety Screens.



Screen with Side & Horizontal Angles



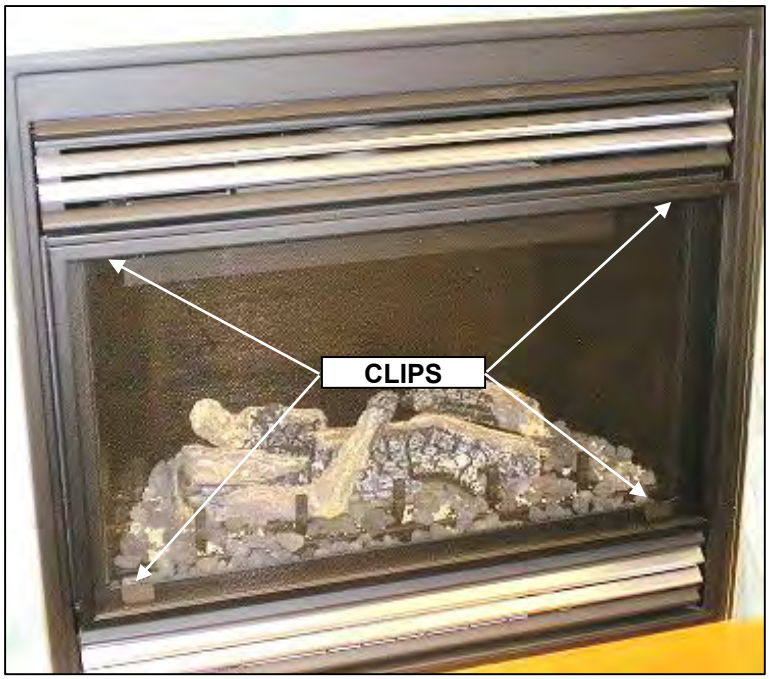
Hook Lower Clip onto glass door frame.



Press down and push upper clip under top glass door 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.

Fireplace with Screen



To remove Safety Screens
WAIT UNTIL FIREPLACE IS COMPLETELY COOL.
Press down on upper clips and remove screen from fireplace glass door.

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.

- 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.

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/CGA-B149.1 or .2 Installation Code (in Canada) or the current National Fuel Gas Code Z223.1 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 70-1987 when installed in the United States.

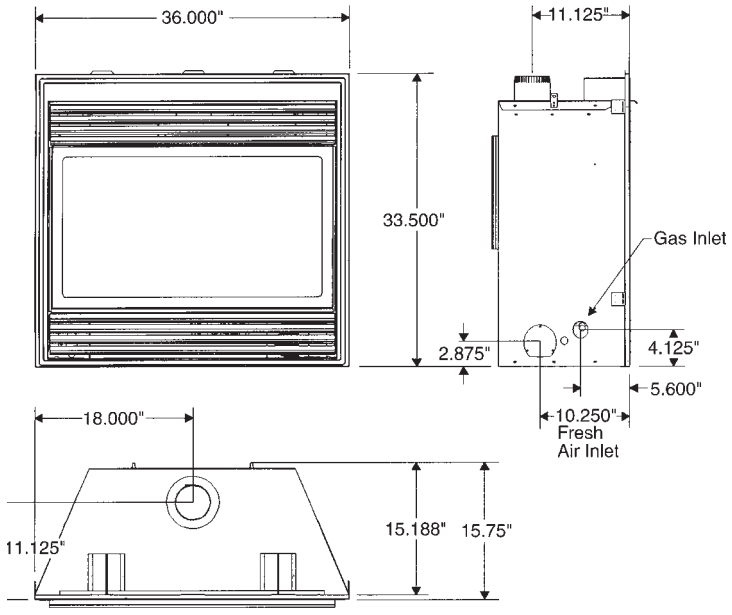
The ZV3600 and ZV4200 model series is suitable for installation in a bedroom or a bed/sitting room, when installed with a listed wall thermostat.

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

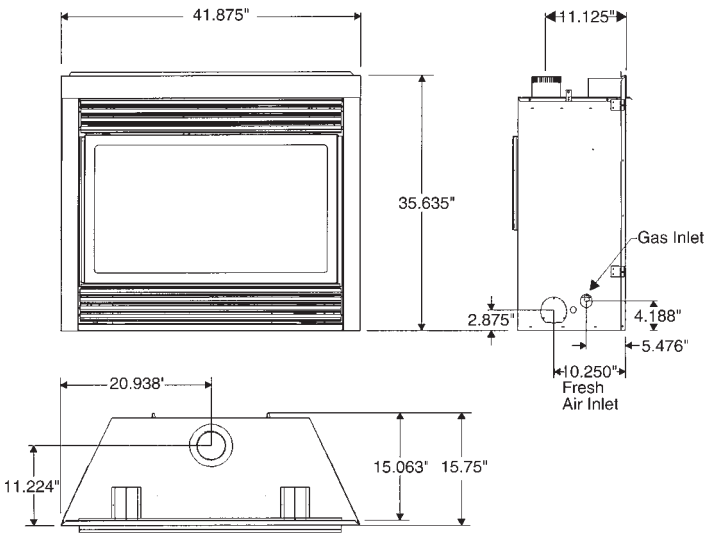
1. **This appliance gives off high temperatures and should be located out of heavy traffic areas and away from furniture and draperies.**
2. **Children and adults should be alerted to the hazards of the high surface temperatures of this appliance and should stay away to avoid burns or ignition of clothing.**
3. **Children should be carefully supervised when they are in the same room as your fireplace appliance.**
4. **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.**
5. **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, etcetera. It is imperative that control compartments, burners and circulating air passageways of the appliance be kept clean.**
6. **Control compartments, burners and air passages in this appliance should be kept clean and free of dust and lint. Make sure that the gas valve and pilot light are turned off before you attempt to clean this unit.**
7. **The venting system (chimney) of this appliance should be inspected at least once a year and if needed, your venting system should be cleaned.**
8. **Keep the area around your appliance clear of combustible materials, gasoline and other flammable vapors and liquids.**

   This appliance should not be used as a drying rack for clothing nor should Christmas stockings or decorations be hung from it.
9. **Under no circumstances should any solid fuels (wood, paper) be used in this appliance.**
10. **For safe operation, glass doors must be closed.**
11. **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.**
12. **WARNING: Do not operate appliance with the glass front removed, cracked or broken. Replacement of glass should be done by a licensed or qualified service person.**
13. **Do not operate appliance unless completely installed as per installation instructions.**
14. **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.**

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 15 feet (4.5 meters) outside the room that houses your gas appliance.



Dimensions for ZV3600

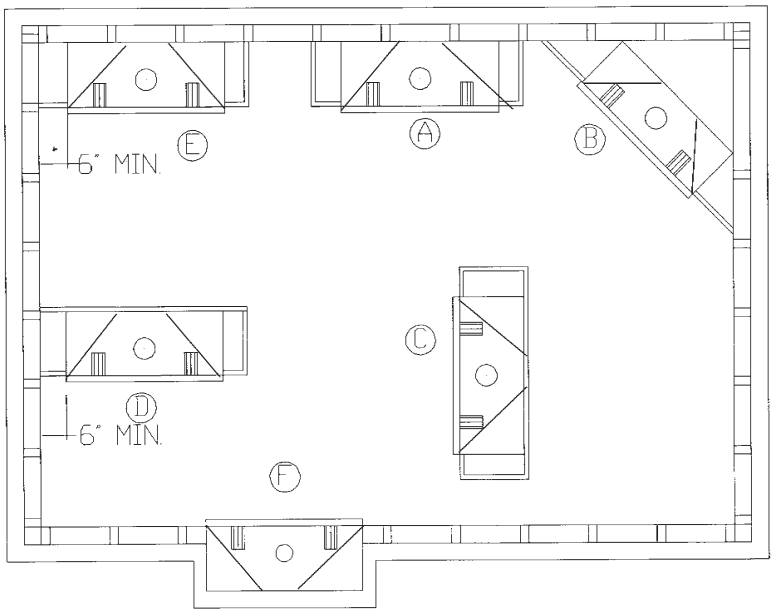


Dimensions for ZV4200

Locating your Appliance

(above or below grade)

Installing with Top Vent



When you install your fireplace as in position 'B', 'D' or 'E', a minimum of 6 inches (153mm) clearance must be maintained from the perpendicular wall and the front of the appliance.

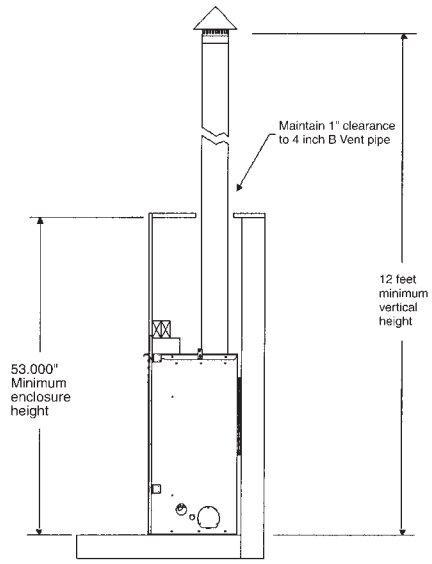
A - Flat on a wall
B - Across the corner
C - As an island
D - As a room divider
E - Flat on wall corner
F - Exterior wall

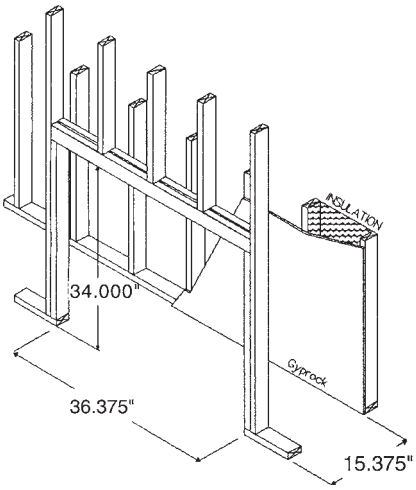
Framing for your Gas Fireplace

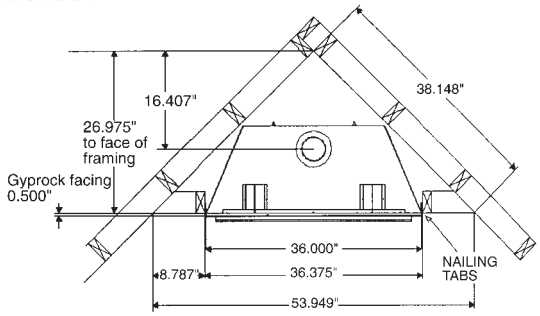
Framing Specifications

1. Cold climate installation recommendation: when installing this fireplace against non-insulated exterior wall or chase, it is recommended that the outer walls be insulated to conform to applicable insulation codes. Drywall should be installed over insulation to prevent contact of insulation and unit.
2. Choose fireplace location and frame in accordance with the fireplace dimensions specified (See framing diagrams). Bend nailing tabs forward on left and right of unit and place fireplace into framed enclosure. This allows for 1/2" in front of framing tabs for finishing materials.
3. Drywall or other material can extend flush with the appliance on the bottom and sides of the fireplace.
4. Non-combustible materials such as brick and tile can be extended across the face of the fireplace. If wide brass trim kit is going to be installed, brick and tile will have to be installed flush with the front of this appliance. If slim line brass trim kit is used, brick or tile may extend past the front of unit.

FRAMING FOR ZV3600



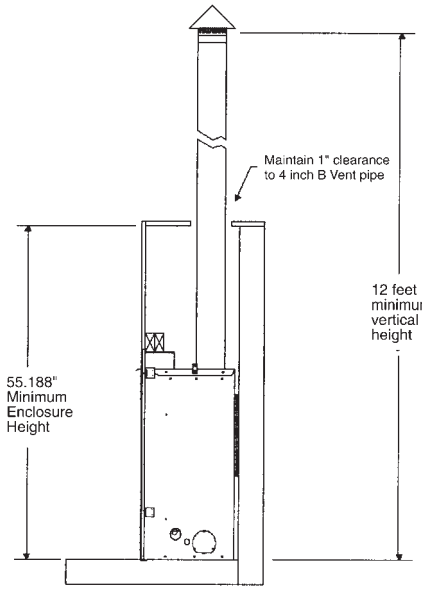


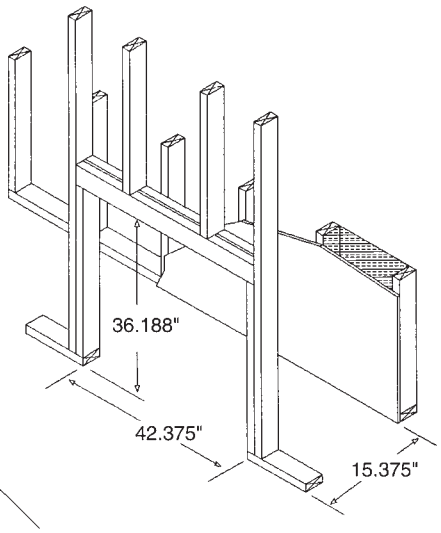


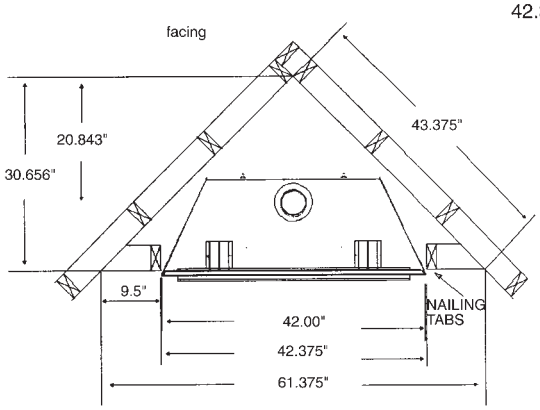
4" B-Vent

FRAMING FOR ZV4200

4" B-Vent







Hearth

A hearth is not mandatory but is recommended for aesthetic purposes. We recommend a non-combustible hearth projecting out 12” (305mm) or more in front of the fireplace.

Clearance to Combustibles

Back (from Standoffs)	0 inches/0 mm
Side (from standoffs)	0 inches/0 mm
Floor	0 inches/0 mm
Top (from standoffs)	0 inches/0 mm
Top (from front of unit)	0 inches/0 mm

Note: See Mantel Chart

Mantels

Depending on the width of the fireplace mantel, it may be installed higher or lower from the top of the fireplace opening. See drawings for proper installation height of your combustible mantel. Non-combustible mantels may be installed at any height above the fireplace opening.

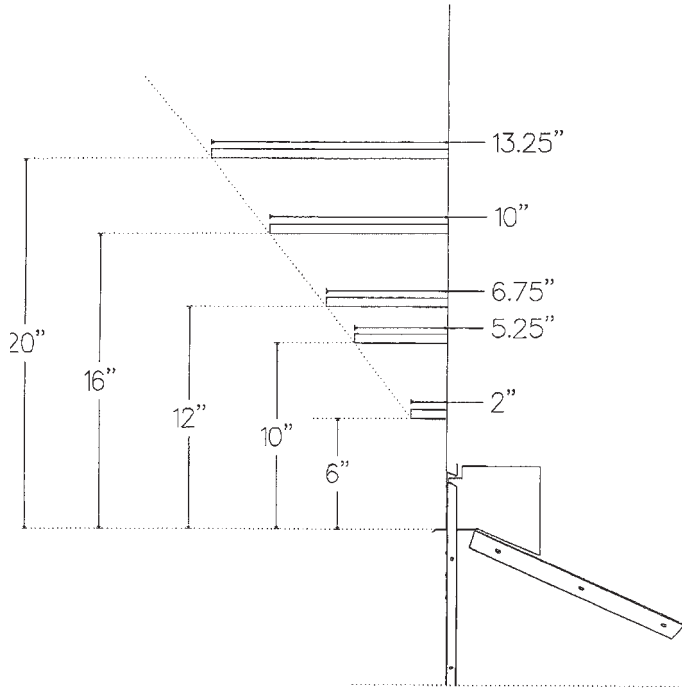
Non combustible materials such as brick, tile, etc. can extend up to or over the front face of the fireplace (NO PORTION OF GRILL AREA OR DOOR AREAS CAN BE COVERED).

Combustible material can extend flush to unit up to the top, bottom and sides of fireplace to stand-offs.

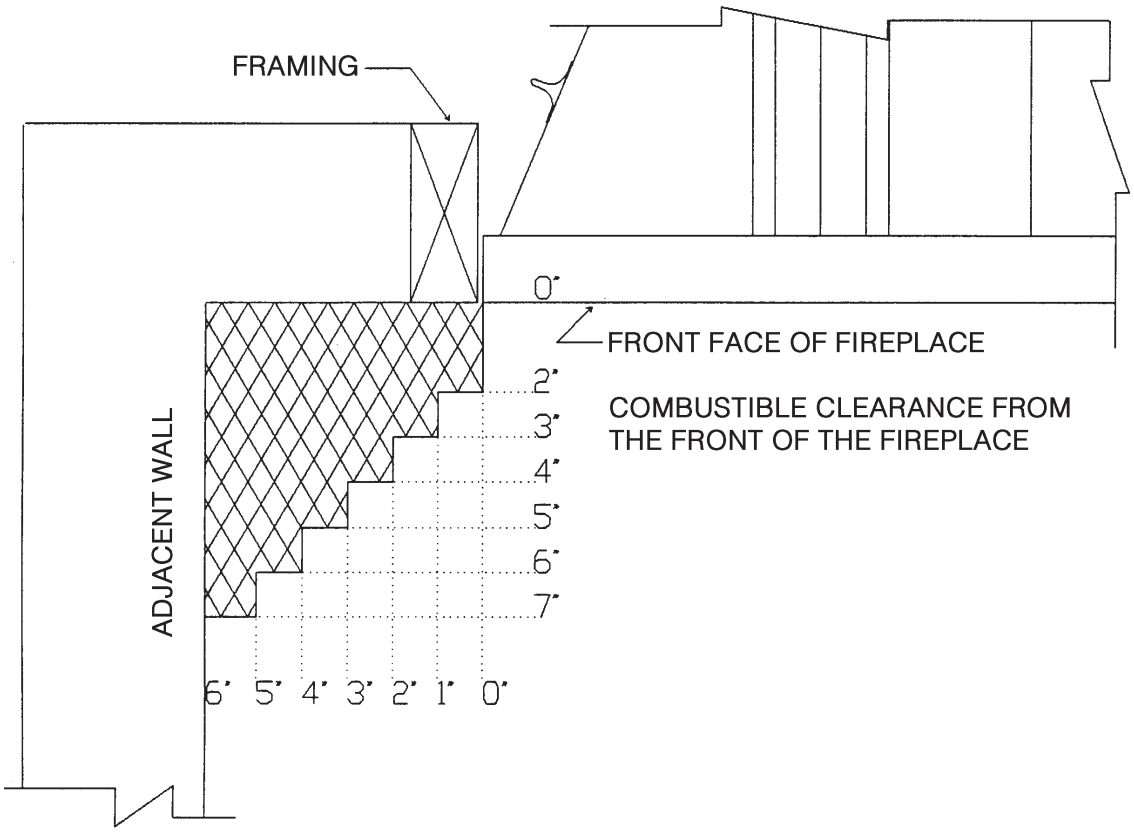
If slim line brass surround is used, brick, tiles or other NON-COMBUSTIBLE materials may extend past the front of unit giving a recessed appearance. For COMBUSTIBLE materials extending in front of fireplace consult “Mantel and Mantel Leg Drawings”.

If wide brass surround is used finish materials must be flush with front of unit.

Note: When using paint or lacquer to finish the mantel, such paint or lacquer must be heat resistant (250˚F) to prevent discoloration.



Warning: Combustible objects must not be placed on a non-combustible mantel unless the non-combustible mantel meets the minimum height and width requirements for a combustible mantel.



Installation of optional Fan Kit

Electrical Services
All optional fan kits are equipped with a 120V, 60 Hz blower.

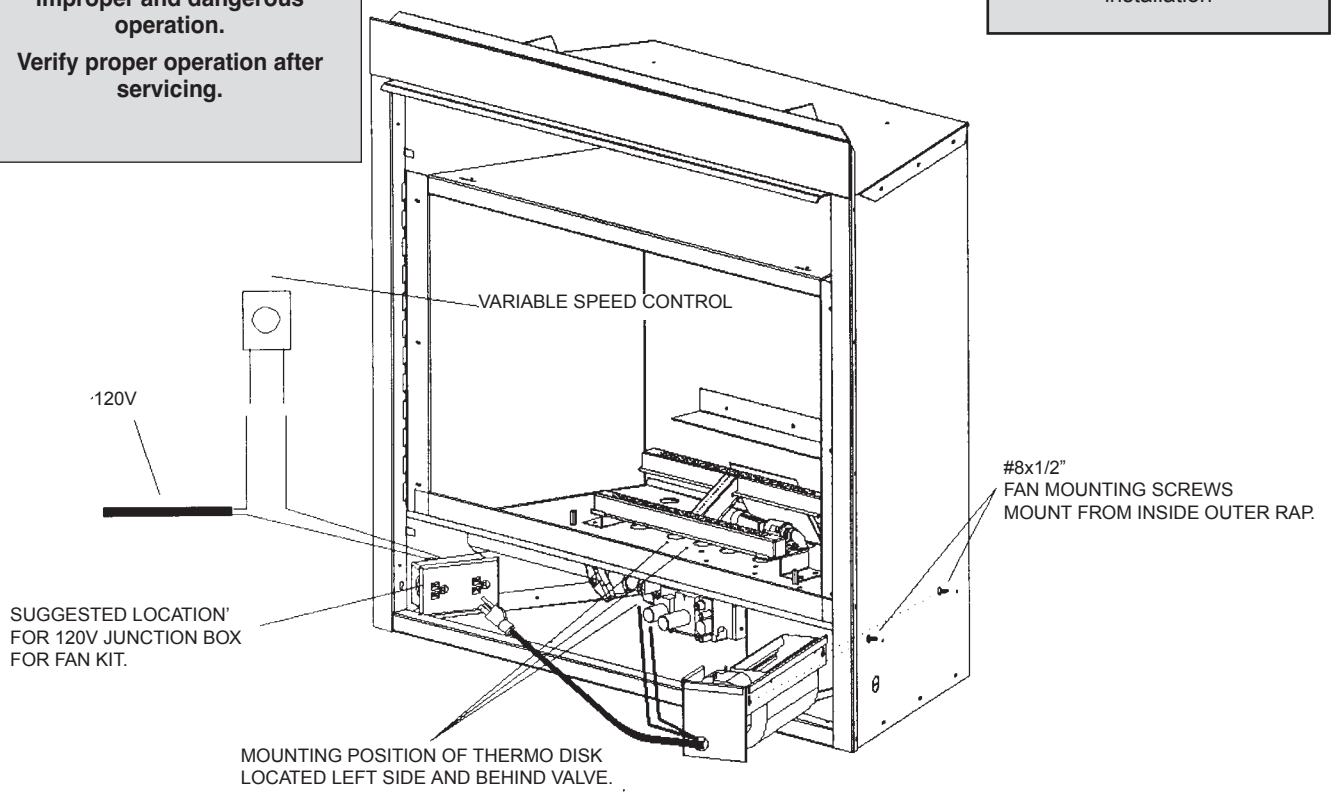
Note: All electrical connections are to be made in accordance with CSA Standard C22.1 - Canadian Electrical Code part I or with the National Electrical Code, ANSI/NFPA 70 (latest edition) and/or in accordance with local codes.

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. Do not cut or remove the grounding prong from this plug.

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

Verify proper operation after servicing.

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

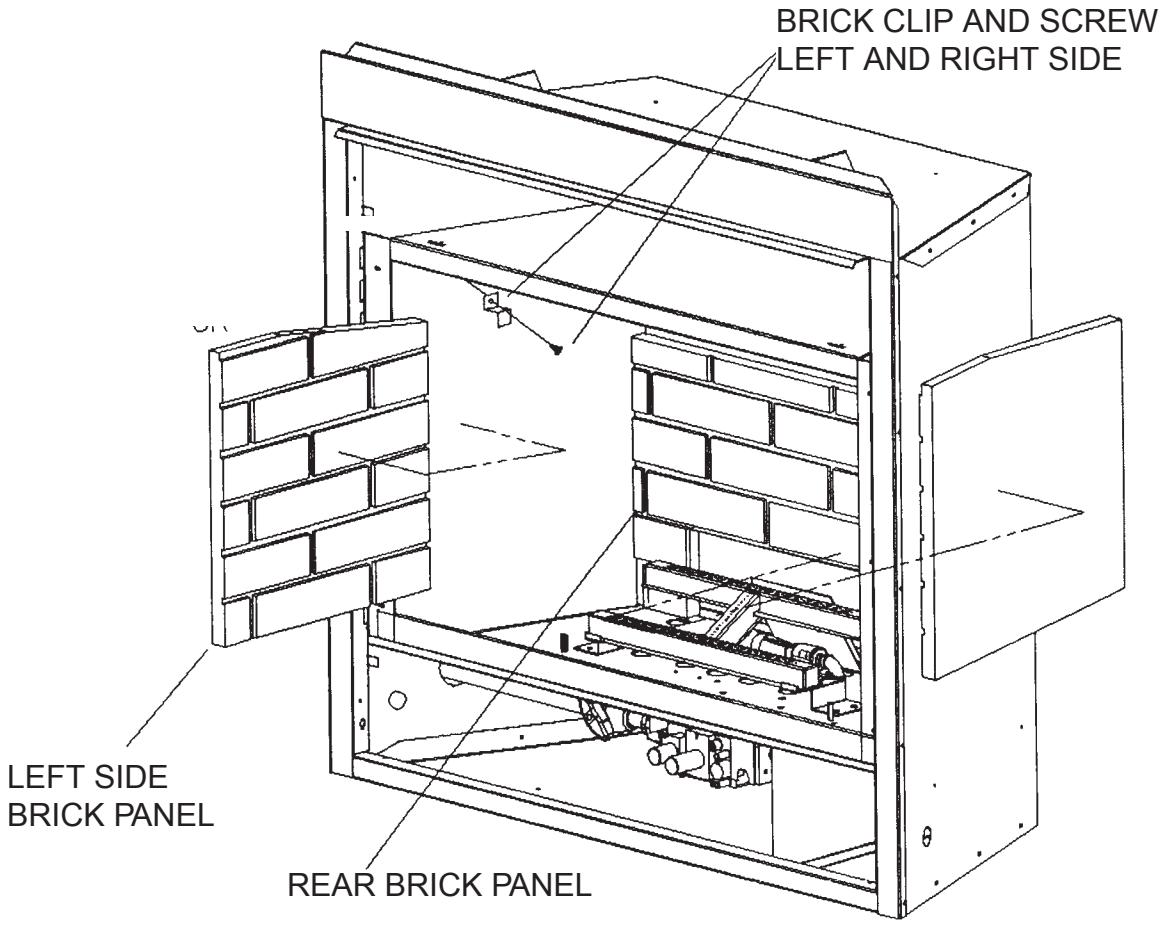


Fan Mounting Instructions: Z33FK-FAN ASSEMBLY

1. Attach thermodisk securely to bottom of firebox. Screws are factory installed.
2. Screw #8 x 1/2" screws into outer rap wall from the inside (right side only). Fan housing can now be positioned by placing teardrop holes over the 2 screws mounted in the outer rap wall.
3. Junction box should be mounted to opposite side and wired to variable speed control and 120V power.
4. Plug fan into junction box and attach the 2 leads exiting the fan housing into the thermodisk.

Installing Brick Panels

1. Place rear brick panel up against the back of the firebox.
2. Loosen screw holding brick clip in position, swing clip up out of the way and place side brick up to rear
   brick and flush against side wall of firebox. Position clip over brick and tighten screw.
3. Repeat same procedure for opposite side brick panel.



General Glass Information

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, lint etc. 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 circumstances.

Warning and Cautions.

- **Do not clean when the glass is hot.**
- **Do not use abrasive cleaners.**
- **Using a substitute glass will void all product warranties.**
- **Do not strike or abuse glass. Care must be taken to avoid breakage of the glass.**
- **Do not operate this fireplace without the glass front or with a broken glass.**

Glass Replacement

REPLACEMENT GLASS FOR BOTH VENTED UNITS

Model Series ZV3600 or ZV4200 can use either tempered glass or Robax ceramic or coated Neaoceram glass. Must be 5mm thick.

To replace glass, clean all materials from door frame. Scrape off old silicone down to metal. Using a high heat silicone (temperature-resistant to 500°F (260°C) apply a continuous bead of approximately 1/32" to all four sides of frame and insert glass with new gasket. Frame should be on flat surface, with a small amount of weight pressing glass into silicone. Let dry approximately 15 to 20 minutes. The door can be re-installed by reversing Steps 1 & 2. Use caution when removing broken glass, wear gloves.

Removal of the Glass Door

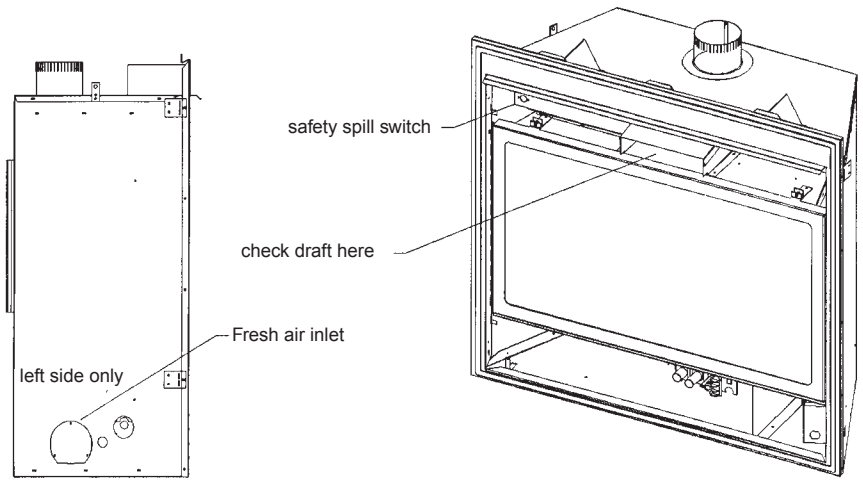
1. Remove the two screws located behind upper grill or unfasten latches if so equipped.
2. To remove, pull frame forward and lift from bottom door retainer channel.

Confirming Proper Venting of Appliance

To check for proper drafting, use this procedure.

1. Place unit in operation and let run for approx.1 minute to establish up a draft.
2. Open top grill area to expose the draft hood.
3. Using a match or something that will produce smoke, place it up to the opening of the draft hood and verify that the flame or smoke is being drawn into the draft hood. If the flame or smoke is blown away from the draft hood opening, you may have to re-check the venting and verify that there is a minimum of 12 foot of venting or check the house for negative pressure. If there is negative pressure, you will have to bring fresh air to the unit.

A Fresh Air Kit may be required by some building codes, remove cover plate on the bottom side of unit and insert three inch flex duct into the side of fireplace by screwing it into the hole provided, attach the other end to the plastic wall vent. When possible place the plastic vent below the bottom of the fireplace

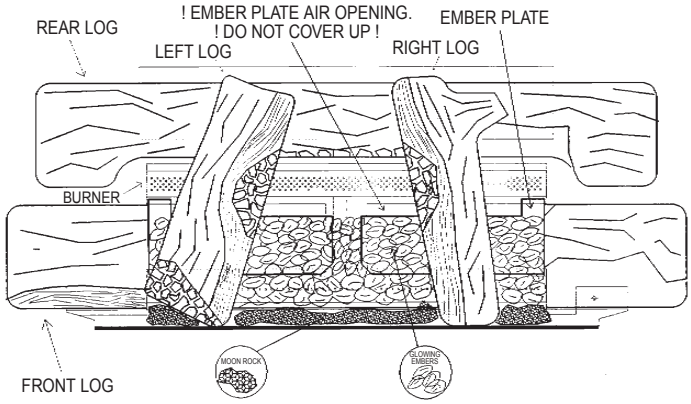


Log Assembly for Models ZV3600 and ZV4200

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.

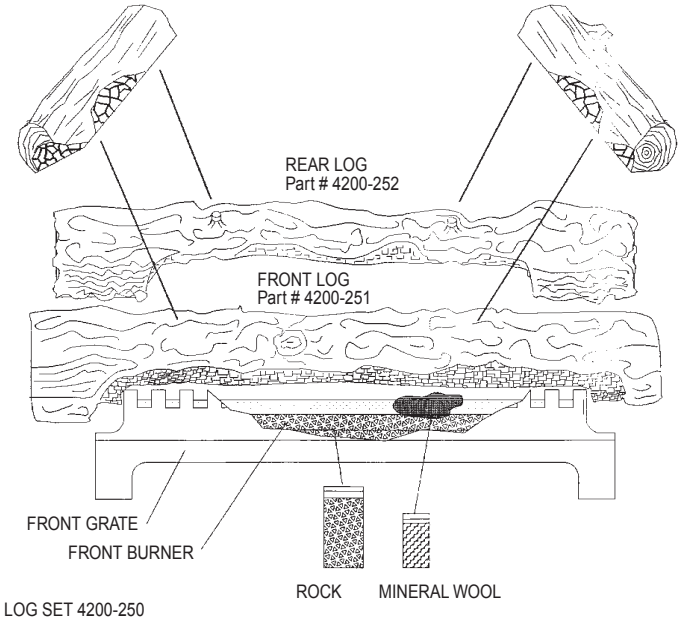
Log Assembly (LOGC42)

1. Remove glass door by removing two (2) screws behind upper grills or unfasten latches and lifting door off bottom door retainer channel.
2. Remove logs from carton (4 pcs) and inspect. (Part #LOGC42)
3. Verify to see that ember plates (2 pcs) are between front and back burner, air opening to top (as per diagram). The ember plates are used to hold the glowing ember, thus simulating a glowing bed of embers.
4. Place glowing embers (insulation) on surface of front burner and surface of ember plates.
   Height on front burner 1/2" - 3/4"
   Height on ember plates 3/4" - 1"
   Do not cover back air opening on ember plates.
5. Place rear log on log shelf 1/2" away from back of fireplace.
6. Place front log over front burner, and resting against decorative grate.
7. Place right and left logs across front and back log. Bark should be to the outside, and right log has a knot.
8. Adjust right and left log so that black charred area sits between front and rear log.
9. **Make sure that a space of at least 3/4" is maintained between glowing ember and underside of front log ember bed area.**
10. Front log should be centered on the log supports between the front and rear burners. Pull log against the front of the supports.
11. Top logs can then be placed across the front and back logs in the slots provided.
12. Place decorative moon rock on bottom of fireplace to simulate ash and then sprinkle vermiculite over rock.
13. Purge lines and test pilot operation.
14. Replace glass door. The door must be installed before operating the fireplace.



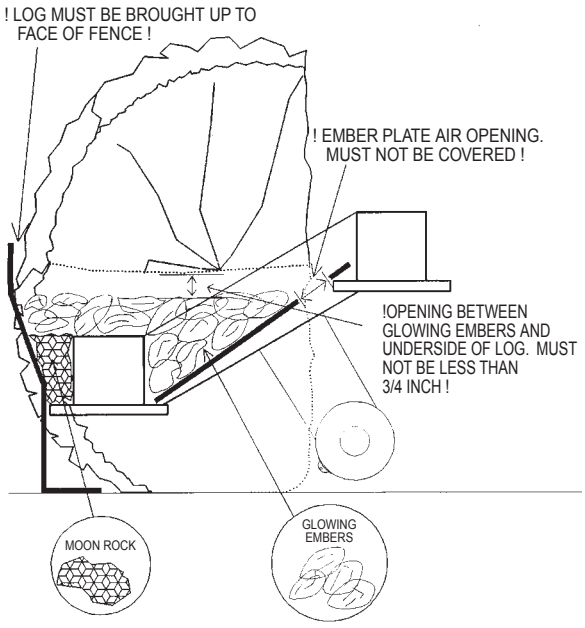
LEFT CROSSOVER LOG
Part # 4200-253

RIGHT CROSSOVER LOG
Part # 4200-254

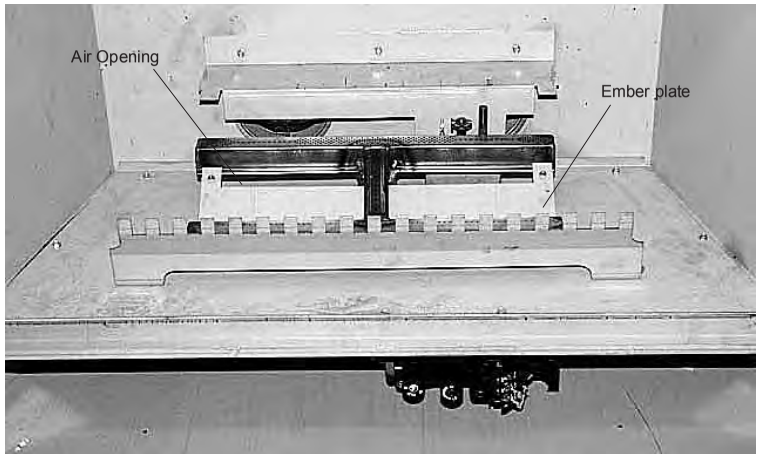


LOG SET 4200-250

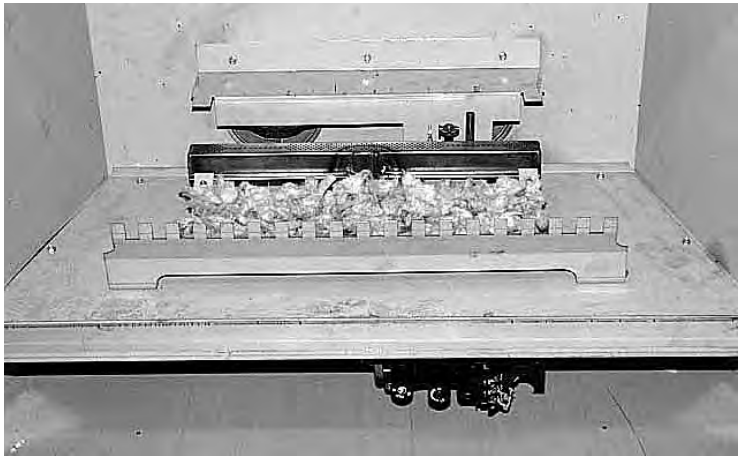
DO NOT PLACE DECORATIVE ROCK ON BURNERS



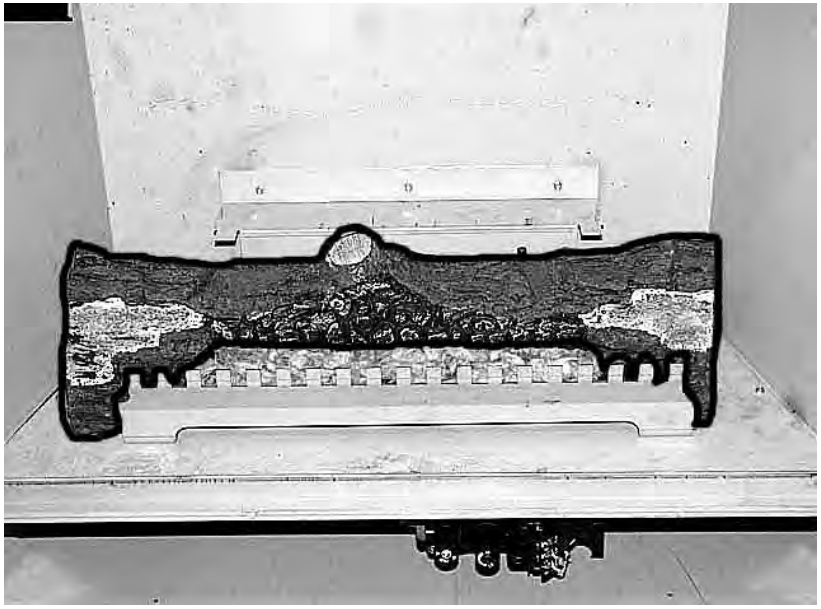
LOGC42 PLACEMENT GUIDELINES



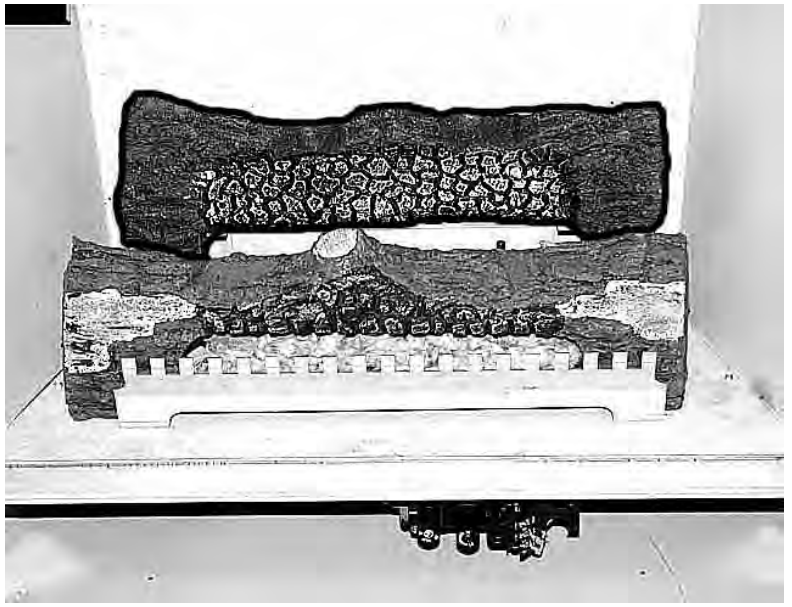
Step (1) Units are equipped with screws or latches. To remove glass door, either remove screws or unfasten latches and lift door off bottom door retainer
Step (2) Remove logs from carton and inspect each log.
Step (3) Verify to see that the ember plates (2 pcs.) are between front and back burner.



Step (4) Break glowing embers into thumbnail size. Place glowing embers on to the surface of the front burner, to the surface of the ember plates and over crossover to the same height as ember plates.
Height on front burner 1/2" to 3/4"
Height on ember plates 3/4" to 1"
Do not cover back air openings on ember plates.

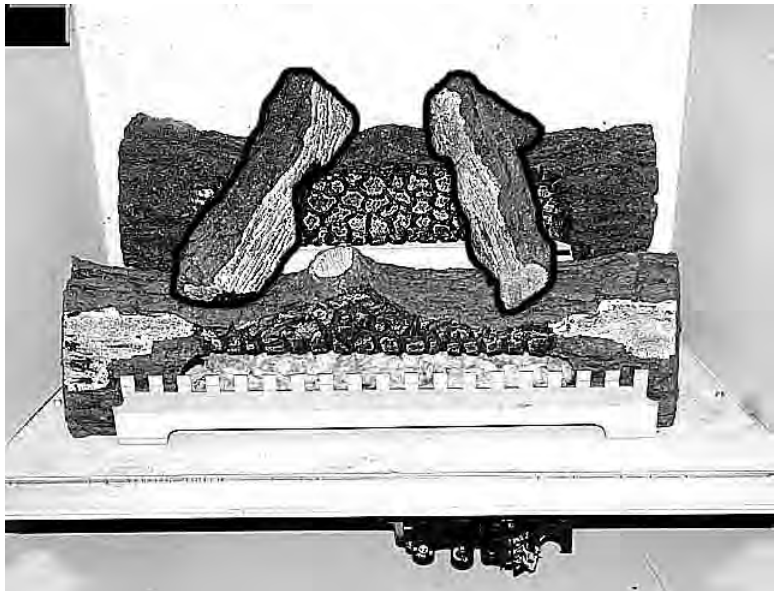


Step (5) Place front log over front burner, against decorative grate. Be sure that front log is tight up against the decorative grate.

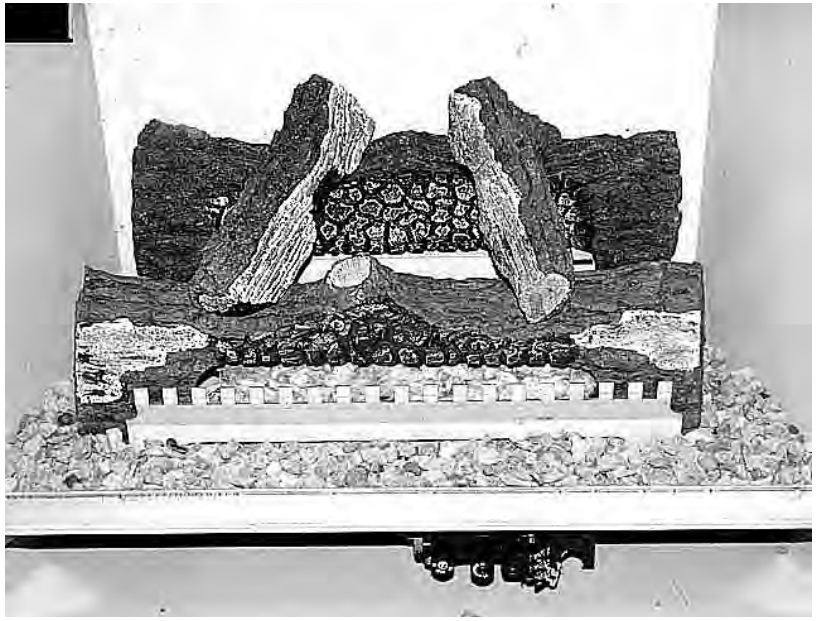


Step (6) Place rear log on to the log retainer 1/2" away from back of fireplace. (If refractory liner is used, make sure refractory liner is installed first then back log is to be pushed up against it as tight as possible.)

LOGC42 PLACEMENT GUIDELINES (continued)



Step (8) Place left crossover log across front and back logs using the log placement pin as a guide. Bark should be to the outside.
Step (9) Adjust right and left crossover log so that the black charred area sits between front and rear log.
Step (10) Make sure that a space of at least 3/4" is maintained between glowing ember and underside of front log ember bed area.



Step (11) Place decorative moon rock on bottom of fireplace to simulate ash.
DO NOT PUT ANY ROCK ON BURNERS!
Step (12) Purge lines and test pilot operation.
Step (13) Replace glass door.

LOGC43 LOG PLACEMENT GUIDELINES

FIGURE A - Log set Ember kit and Crushed rock

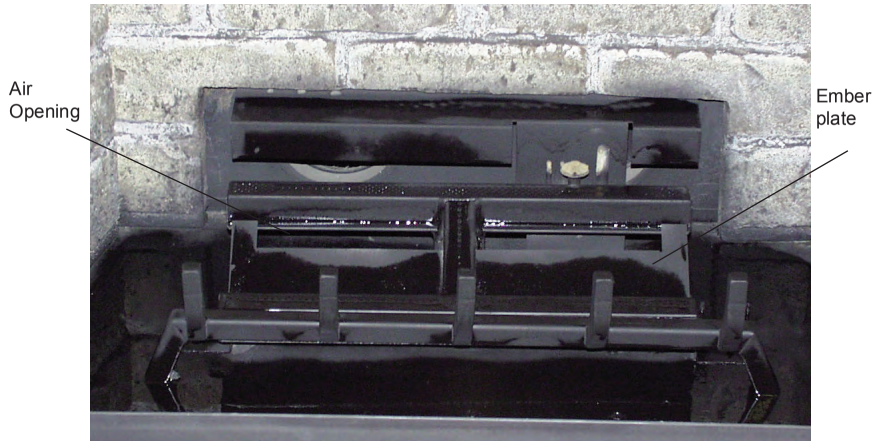
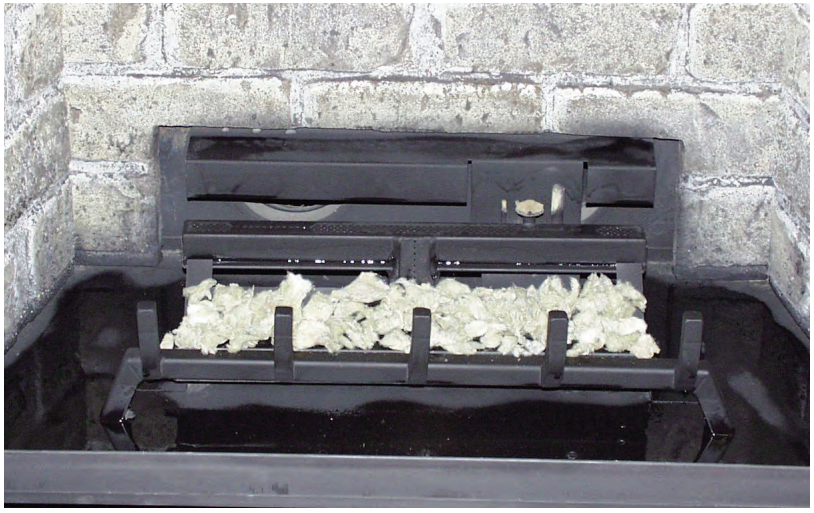
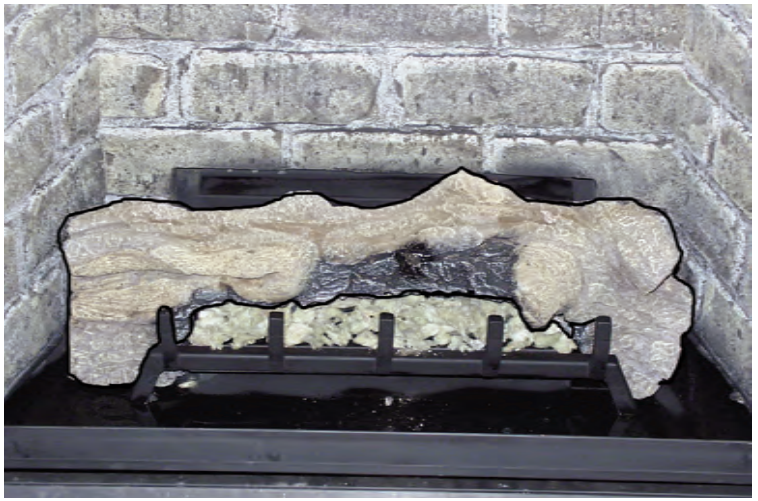


FIGURE B - Rear log holder.
Step (1) Units are equipped with screws or latches. To remove glass door, either remove screws or unfasten latches and lift door off bottom door retainer.
Step (2) Remove logs from carton and inspect each log.
Step (3) Verify to see that the ember plates (2 pces) are between front and back burner.



Step (4) Break glowing embers into thumbnail size. Place glowing embers on to the surface of the front burner, to the surface of the ember plates and over crossover to the same height as ember plates. Height on front burner 1/2" to 3/4". Height on ember plates 3/4" to 1". Do not cover back air openings on ember plates.



Step (5) Place front log over burner, against decorative grate. Be sure that front log is tight up against the decorative grate.

LOGC43 LOG PLACEMENT GUIDELINES (continued)

Step (6) Place rear log on to the log retainer 1/2" away from back of fireplace. (If refractory liner is used, make sure refractory liner is installed first then back log is to be pushed up against it as tight as possible.)

Step (7) Place right crossover log across front and back logs using the log placement pin as a guide.

Step (8) Place left crossover log across front and back logs using the log placement pin as a guide.
Step (9) Place decorative moon rock on bottom of fireplace to simulate ash.
DO NOT PUT ANY ROCK ON BURNERS!

Step (10) Purge lines and test pilot operation.
Step (11) Replace glass door.

LOGC44 LOG PLACEMENT GUIDELINES

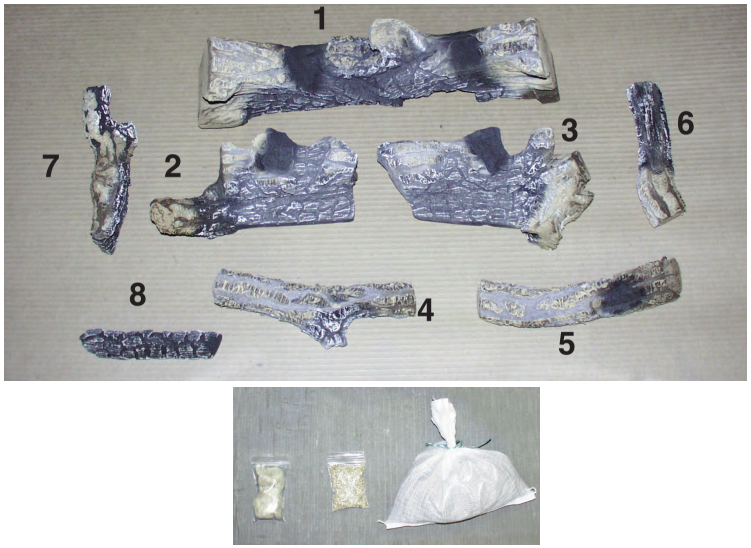
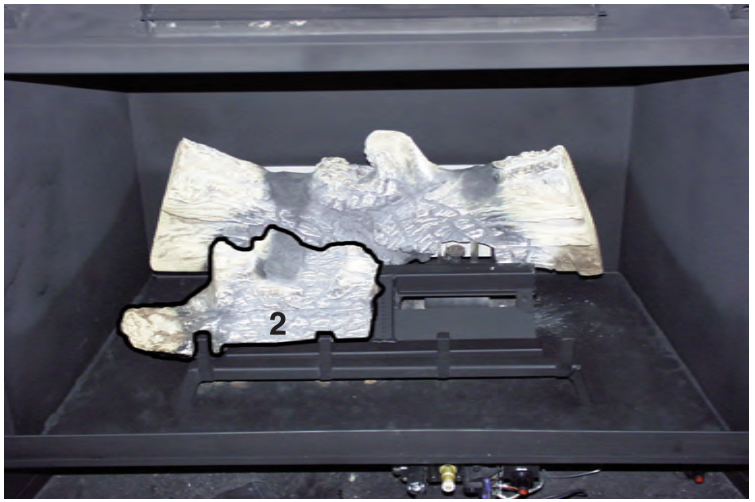


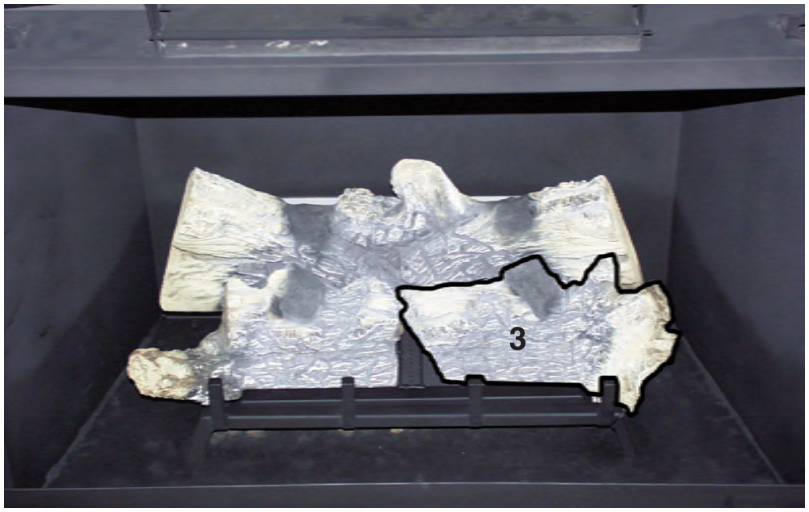
FIGURE A - Log set Ember kit and Crushed rock

Step (1) Position rear log over rear log holder and lower into position. Be sure that the log does not sit on rear burner, but behind and lower than burner.

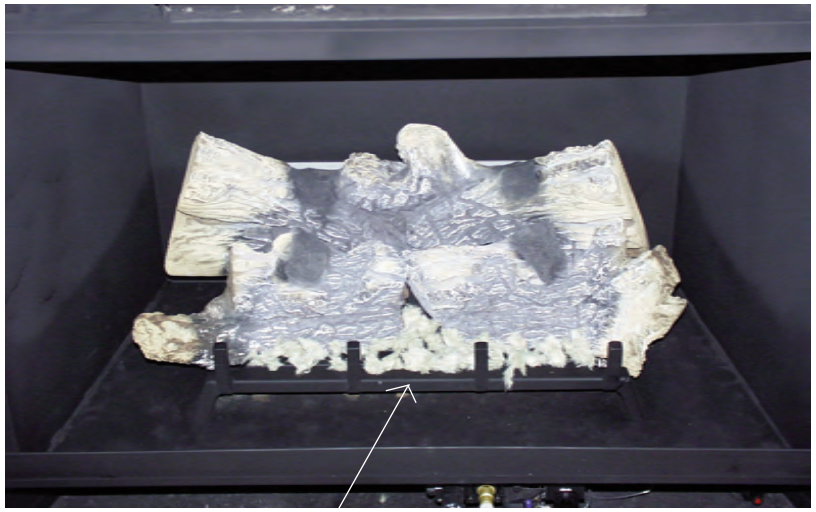


Step (2) Locate flat surface on Log (2) and place directly onto left ember plate, push log fully to the right until it touches the crossingtube.

LOGC44 LOG PLACEMENT GUIDELINES (continued)



Step (3) Locate flat surface on Log (3) and place directly on to right Ember plate, push log fully to the left until it touches Log (2)

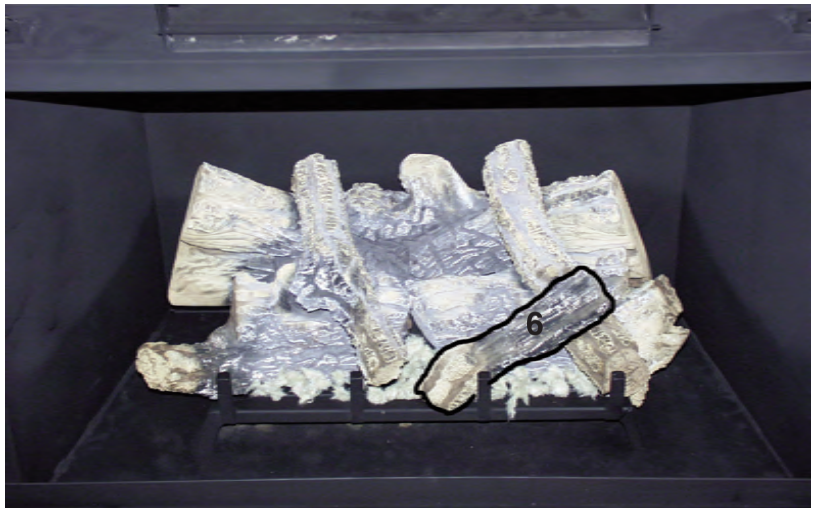


Step (4) Remove Ember material from plastic bag, tear off dime and nickel sized pieces and place directly onto front burner tube and crossover tube. (NOTE: Do not place embers onto rear burner tube)

Step (5) Position Log (4) into grooved areas of Logs (1) and (2).

Step (6) Position Log (5) into grooved area of Logs (1) and (3).

LOGC44 LOG PLACEMENT GUIDELINES (continued)



Step (7) Position Log (6) up against the the 2nd grate post from the right, and position upper section of Log (6) into grooved area of Log (5).

Step (8) Slide Log (7) between Log (1) and Log (2)

Step (9) Position Log (8) up against the 3rd grate post from the right, and position upper section of Log (8) against Logs (2) and (7).

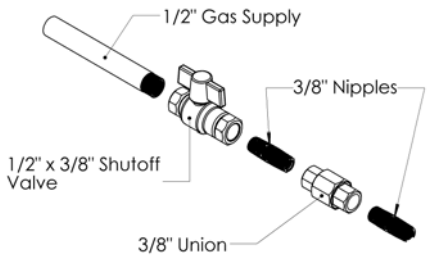
Step (10) Place crushed rocks onto firebox bottom.
(NOTE: Do not place crushed rock onto burner tubes)

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 or .2 installation codes for Gas Burning appliances and equipment in Canada and the National Fuel Gas Code ANSI Z223 in the U.S.A.

1. The gas pipeline can be brought in through either the right or the left side of the appliance. A knockout is provided at either location to allow for the gas pipe installation and testing of any gas connection.
2. The gas control inlet is 1/2" 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 or .2 for code details.
5. For natural gas, a minimum of 3/8" iron pipe with gas minimum pressure of 4.5 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. 1/8" NPT plugged tappings 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 1/2 PSIG (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 1/2 PSIG (3.5 KPa).

NOTE: The gas line connection may be made of 1/2" rigid pipe or an **Approved Kingsman Flex Connector, such as FP15GC**. Since some municipalities have additional local codes, it is always best to consult your local authorities and the current CAN/CGA - B149.1 or .2 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.

Gas Specifications

Model	Fuel	Gas Control	Maximum Input
ZV3600N	Natural	Millivolt	
ZV4200N			21,000 - 14,000 BTU
ZV3600LP	Propane	Millivolt	
ZV4200LP			20,000 - 17,000 BTU

Gas Inlet			3/8" NPT
Gas Supply Pressure	Minimum	Normal (inches water column)	Maximum
Natural Gas	5.5	7.0	9.0
Propane Gas	11	11.0	12.0
Manifold Pressure	Natural Gas	3.5 inches water column	
	Propane Gas	10 inches water column	
Orifice Size	Natural Gas (0-4500 ft)	#44	Airshutter 1/16"
	Propane Gas (0-4500 ft)	#54	Airshutter 3/16"

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.

Operating and Maintenance Instructions

This gas appliance should be installed by a qualified installer in accordance with local building codes and with current CAN/CGA - B149 (.1 or .2) installation codes for Gas Burning Appliances and Equipment.

Warning: When purging the gas line, the glass front must be removed.

For safe installation and operation note the following:

This appliance gives off high temperatures and should be located out of heavy traffic areas and away from furniture and draperies. Children and adults should be alerted to the hazards of high surface temperatures of this appliance and should stay away to avoid burns or ignition of clothing.

Under no circumstances should this appliance be modified. Parts that have to be removed for servicing should be replaced prior to operating this appliance again.

Installation and any repairs to this appliance should be done by a qualified service person. A professional service person should be called to inspect this appliance annually. Make it a practice to have all of your gas appliances checked annually.

Never use your gas fireplace as a cooking device.

The Burner/Log Assembly has been engineered and permanently adjusted for proper flame control.

Do not alter gas orifice.

Periodically remove the logs from the grate assembly and vacuum any loose particles from the grate and burner areas.

Control compartments, burners and air passages in this appliance should be kept clean and free of dust and lint. Make sure that the gas valve and pilot light are turned off before you attempt to clean this unit.

The venting system (chimney) of this appliance should be inspected at least once a year and if needed, your venting system should be cleaned.

Keep the area around your appliance clear of combustible materials, gasoline and other flammable vapors and liquids.

This appliance should not be used as drying rack for clothing, nor should Christmas stockings or decorations be hung near it.

Under no circumstances should any solid fuels (wood, paper, cardboard, coal) be used in this appliance.

Note: It is normal for your gas fireplace to give off some odor the first time it is burned. This is due to the curing of the paint and any undetected oil from the manufacturing process.

Please ensure that your room is well ventilated - open all windows.

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

1. Stop! Read the safety information above this label.
2. Set the thermostat to lowest setting.
3. Turn off all electrical power to the appliance.
4. Locate valve under the burner assembly.
5. 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.
6. 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.
7. Now push in the control knob slightly and turn ↺ counter-clockwise to the "PILOT" position.
8. 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.
9. 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.
10. 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.
11. Close the access door and turn all electrical power back to the appliance.
12. The pilot must be turned off when the unit is not in use.

TO TURN OFF THE APPLIANCE

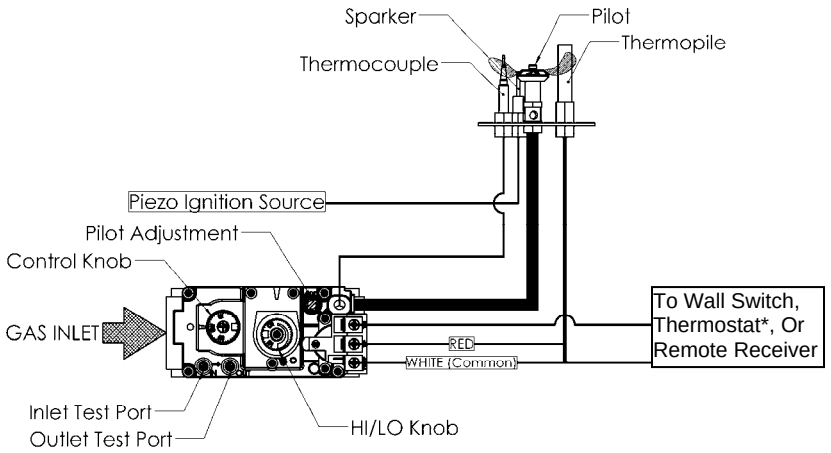
1. Set the thermostat to lowest setting.
2. Turn off all electric power to the appliance if service is to be performed.
3. Open the control access door.
4. Push in the gas control knob slightly and turn ↻ clockwise to the "OFF" position. Do not force.
5. Replace control access panel.

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).

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-

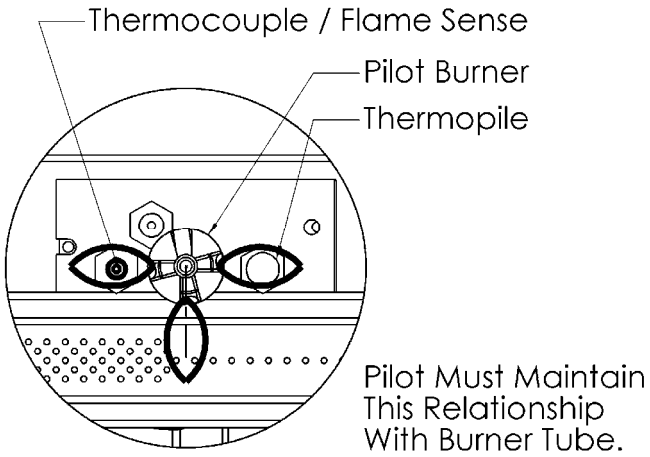
Before servicing the burner system ensure that the gas supply is turned OFF and disconnect all electrical connections to the appliance. Allow the appliance to cool to room temperature. Note that the pilot assembly may be hot in an intermittent or standing-pilot system—even if the main burner was never 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. The pilot flame should also be inspected monthly to ensure proper operation.

Flame should appear similar to the above picture.



Conversion Kit Instructions – PART A

Kit Number	Description	Pilot Orifice	Burner Orifice Brass (1000-255)	Brass Nipple	Air Shutter	Hi/Lo Regulator
3600ZV -CKLP 4200ZV -CKLP	LP Conversion -Millivolt-	1001-P167SI **#30** (977.167)	#54 #54	1000-253closed 1000-253closed	3/16” 3/16”	1001-P202SI (0.907.202)
3600ZV -CKNG 4200ZV -CKNG	NG Conversion -Millivolt-	1001-P165SI **#51** (977.165)	#44 #44	1000-253closed 1000-253closed	1/16” 1/16”	1001-P201SI (0.907.201)
3600ZV -CKLPI 4200ZV -CKLPI	LP Conversion -IPI -	1001-P168SI **#35** (977.168)	#54 #54	1000-253closed 1000-253closed	3/16” 3/16”	1002-P014SI (0.907.014)
3600ZV -CKNGI 4200ZV -CKNGI	NG Conversion - IPI -	1001-P166SI **#62** (977.166)	#44 #44	1000-253closed 1000-253closed	1/16” 1/16”	1002-P016SI (0.907.016)

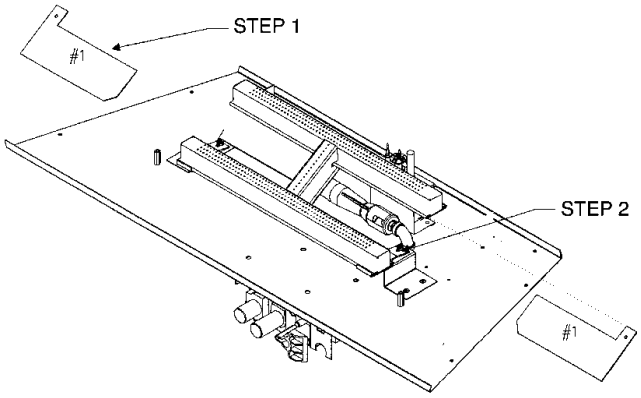
Refer to “**Gas Specifications Chart**” for inlet pressures and input ratings. Clock meter to verify input rate. Place conversion label as close to converted gas control as possible. Refer to lighting instructions to verify the normal operating sequence of the ignition system. IMPORTANT: Always check for gas leaks with a soap and water solution. DO NOT USE OPEN FLAME FOR LEAK TESTING.

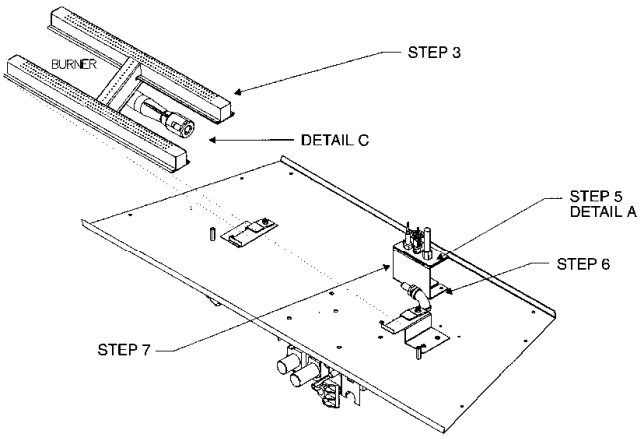
Conversion Kit Instructions – PART A

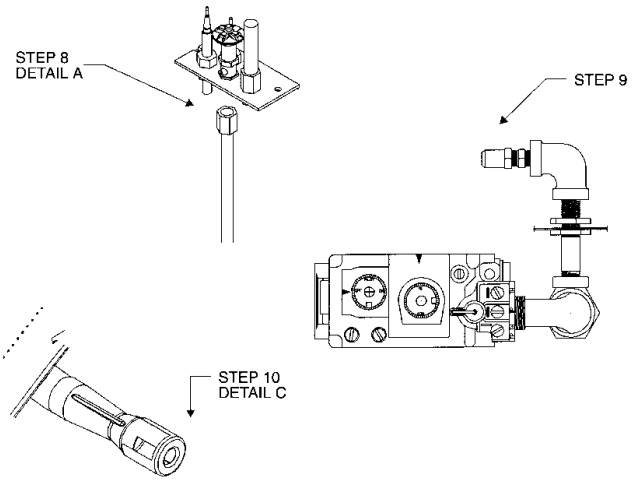
Caution:

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

PLEASE CONFIRM THAT STEP 4 IS UNDERSTOOD BEFORE PROCEEDING WITH CONVERSION.







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 the kit.

1. Remove the 2 ember plates from the burner. This step may not be required, depending on the type of burner assembly.
2. Loosen the 2 screws holding the burner in place.
3. Slide the burner to the left to expose the orifice.
4. **Before going any further you need to verify which pilot system is in use. If there is a spring clip below the pilot hood then proceed to STEP 5 in PART B.**
5. Remove the 2 screws that hold the pilot to the bracket.
6. Remove the 2 screws that attach the pilot bracket to the firebox bottom.
7. Remove the pilot bracket to expose the pilot assembly.
8. Remove the pilot tube and nut from the pilot assembly using a 10mm wrench; slide the tube and nut down. You may have to tap the pilot hood lightly to release the pilot orifice. Place new pilot orifice into the pilot assembly and reinstall the pilot tube and nut. Tighten with wrench. Reinstall pilot bracket at this time.
9. Remove main orifice using a 1/2" wrench and replace with new conversion orifice.
10. Adjust the primary air setting to the correct setting as specified in the manual or label plate. To adjust the air setting, loosen the screw on the side of the tube and rotate to the correct opening using a drill bit or tape measure. Retighten screw. Reinstall burner at this time reversing STEPS 3, 2 and 1.
11. Follow instructions supplied with the conversion HI/LO to convert the valve from one type of fuel to the other.
12. Check for gas leaks around the pilot burner tube and face of valve.
13. Attach conversion label to label plate on bottom of unit, writing information as needed.

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

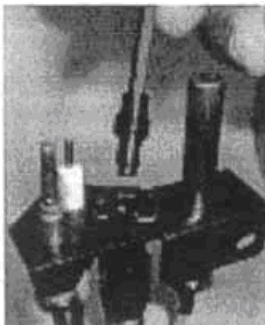
Instructions for converting SIT 190 series pilot burner injection from NG to LPG and from LPG to NG only. This information should be considered as supplemental to the Appliance Manufacturer's Instructions.

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

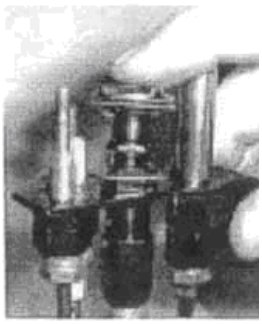
1. Shut off the gas supply to the appliance.
2. Allow the pilot burner to cool to room temperature. **WARNING: Touching a hot pilot burner can result in injury.**
3. The pilot hood is held in place by spring pressure. Remove the hood by pulling it directly up from the pilot bracket (a).
4. Insert a 5/32" 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)

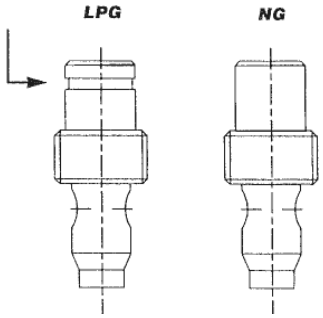
(b)



(c)



(d)



(e)

SIT Group

⚠ 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)*

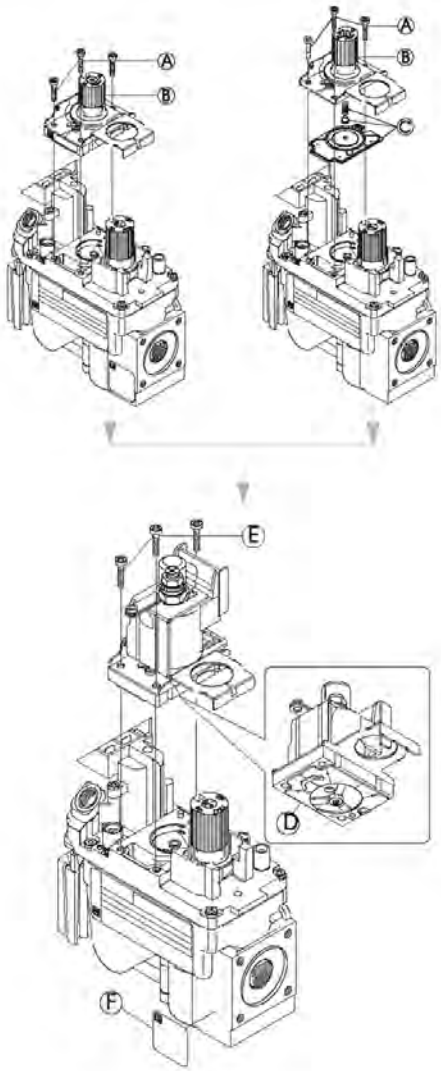
3 *Insure that the rubber gasket (D) is properly positioned and install the new modulating pressure regulator assembly to the valve using the new screws (E) supplied with the kit. Tighten screws securely. (Reference torque = 25 In.Lb.)*

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.*

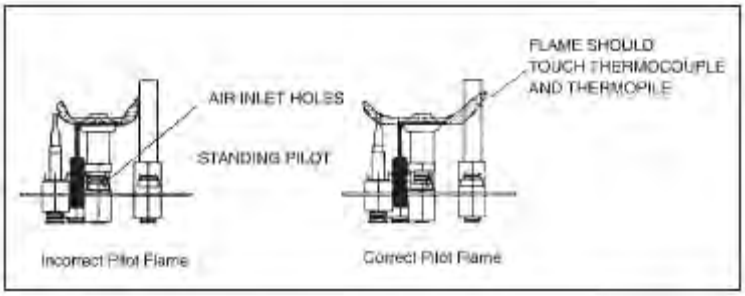


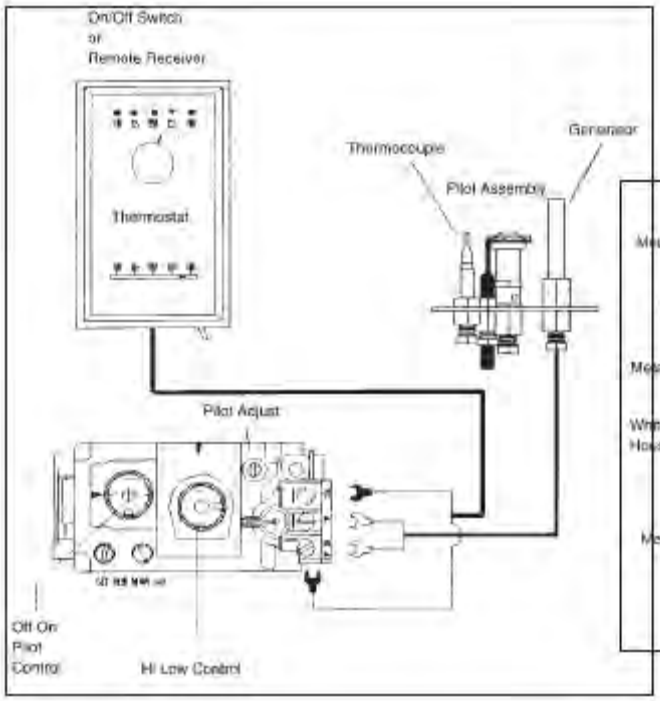
⚠ -WARNING!-
This modulating conversion kit must ONLY be applied as part of a conversion kit supplied by the APPLIANCE MANUFACTURER for the specific appliance, and type of gas, being converted.

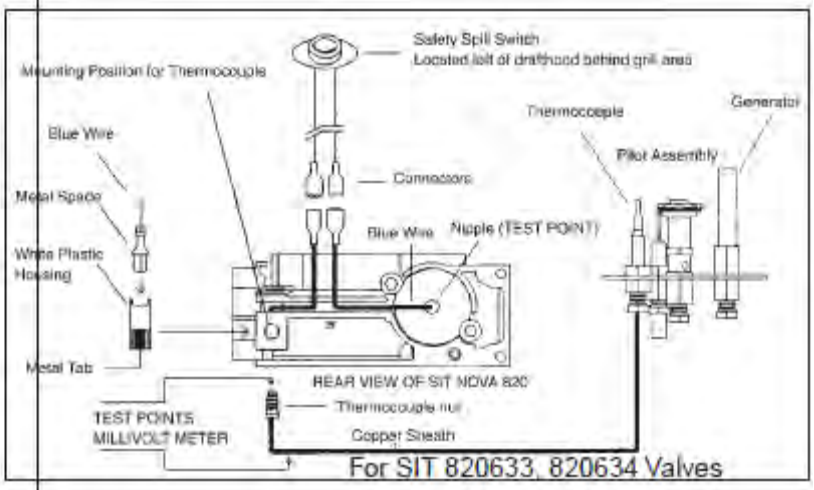
INSTALLER NOTICE. These instructions must be left with appliance.

SIT Group

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

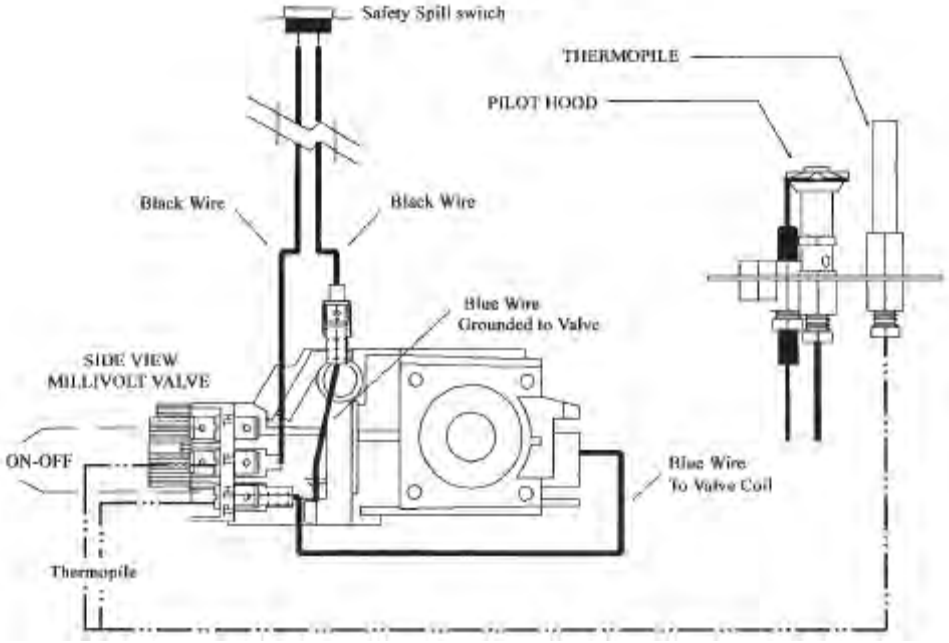






SPILL SAFETY SWITCH

Wiring Diagram



820.639 and 820.640 True Millivolt Systems.
This System does not have a thermocouple.
For Units with serial numbers greater than 36350.

IPI Electronic Ignition System

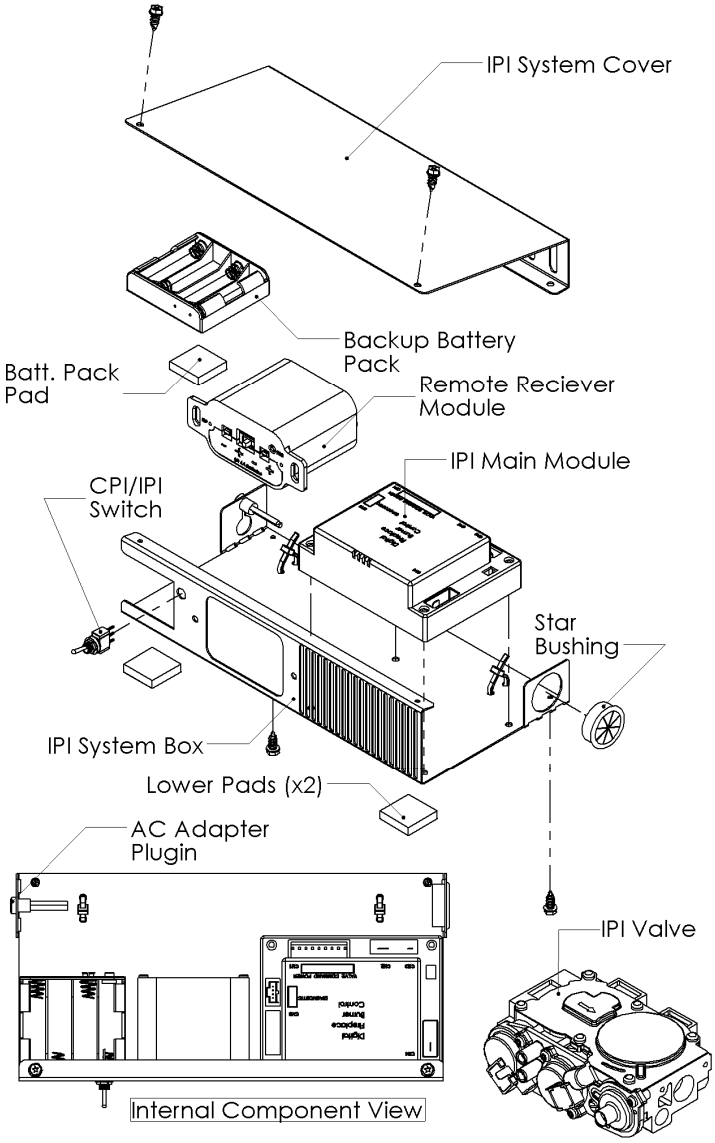
Overview

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.



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. There are also other components available to complement the IPI system.

IPI System Cover: Is essential in keeping the components at their proper operating temperatures. **DO NOT OPERATE THE APPLIANCE WITHOUT THIS COVER.**

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.

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. This means to 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.

Remote Receiver: This component provides the capability of controlling the appliance with a wireless remote transmitter.

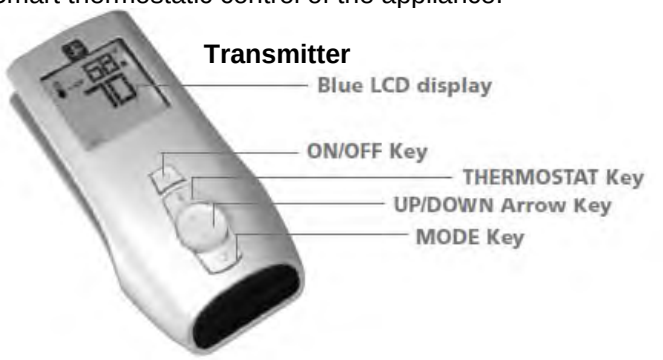
Standing Pilot Mode for Colder Climates (Below Freezing)

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.

-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.

Transmitter



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.

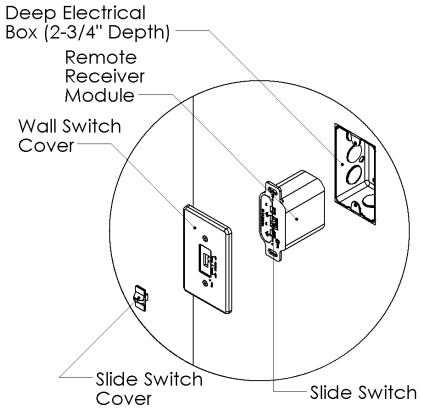
Initializing the System for the first time
Install 4 AA batteries into the receiver battery bay. Install 3 AAA type batteries in the Transmitter battery bay.
Place the 3 position slider switch in the “Remote” position. Insert the end of a paper clip into the hole marked “PRG” on the Receiver front cover. 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).,

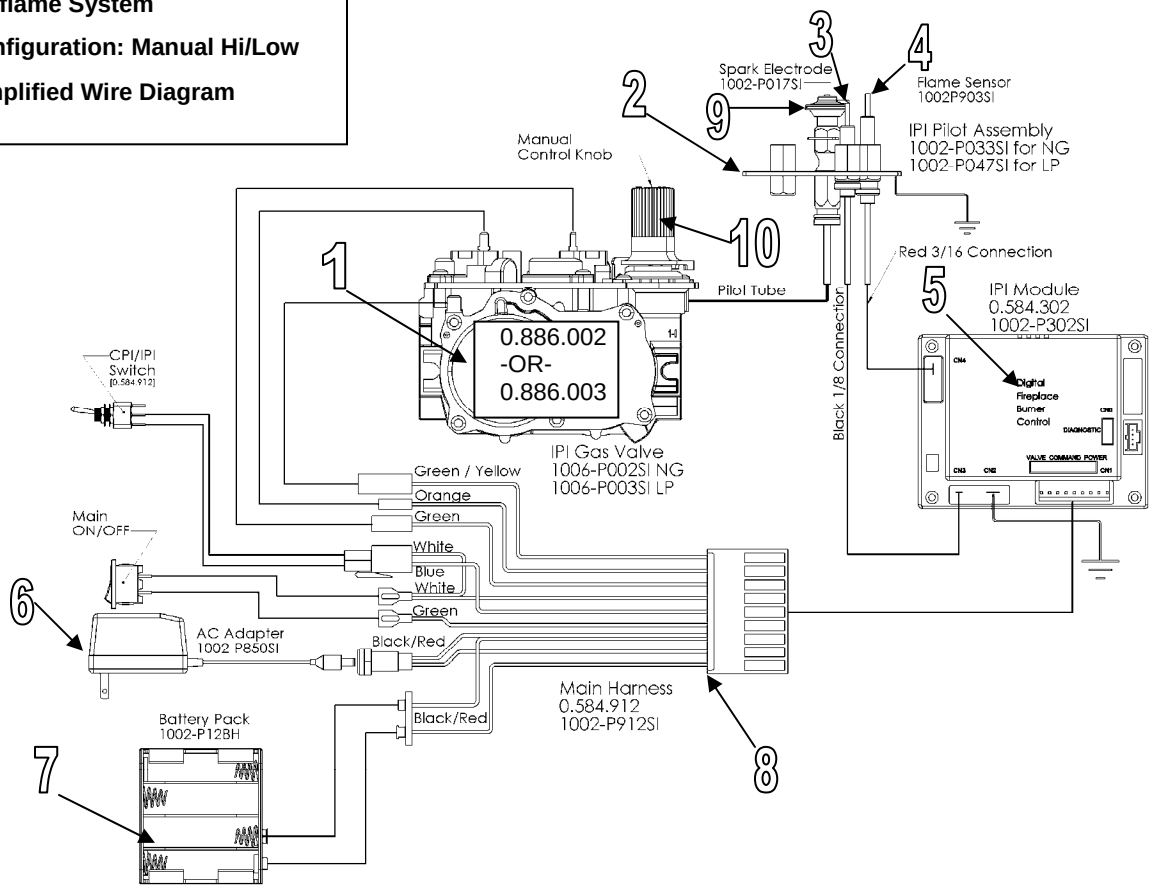
IPI Electronic Ignition Parts List – Standard System

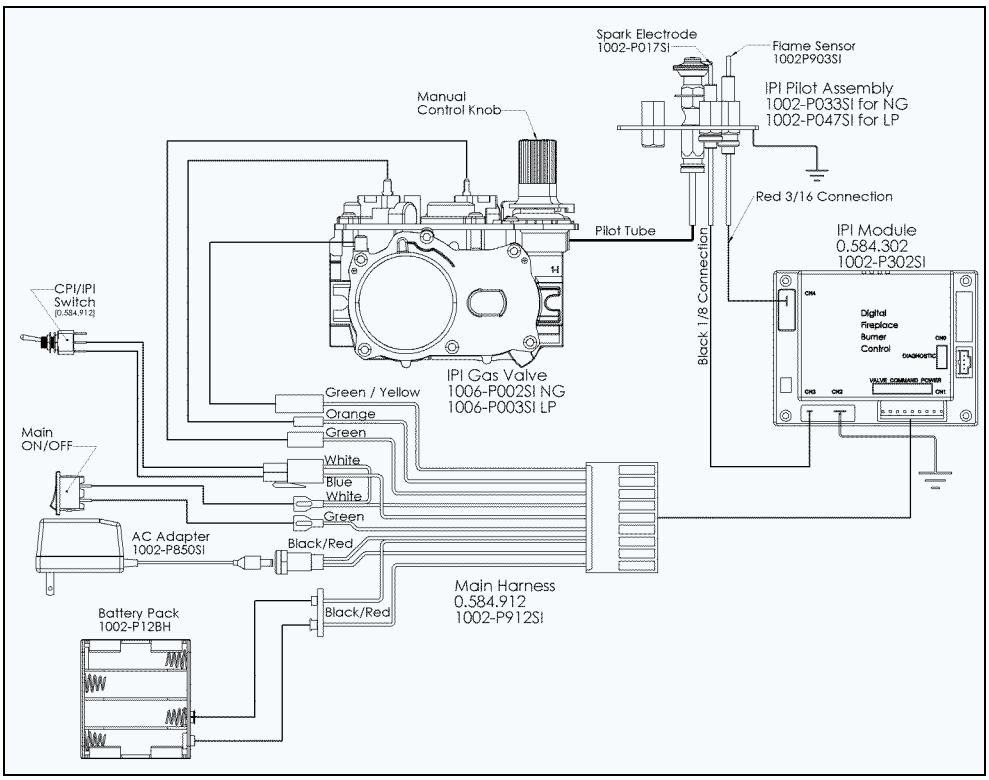
Item No.	Part No.	Description
1	1006-P002si	Valve IPI Hi/Lo NG
	1006-P003si	Valve IPI Hi/Lo LP
2	1002-P047si	Pilot Assembly-LP
	1002-P033si	Pilot Assembly-NG
3	1002-P017si (*1002-P119si)	Spark Electrode (with wire)
4	1002-P903si (*1002-P910si)	Electrode Flame Sensor
5	1002-P302si	IPI Ignition Board
6	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 MQRB5143E / MQRB6961E (35” Length)		

Proflame System

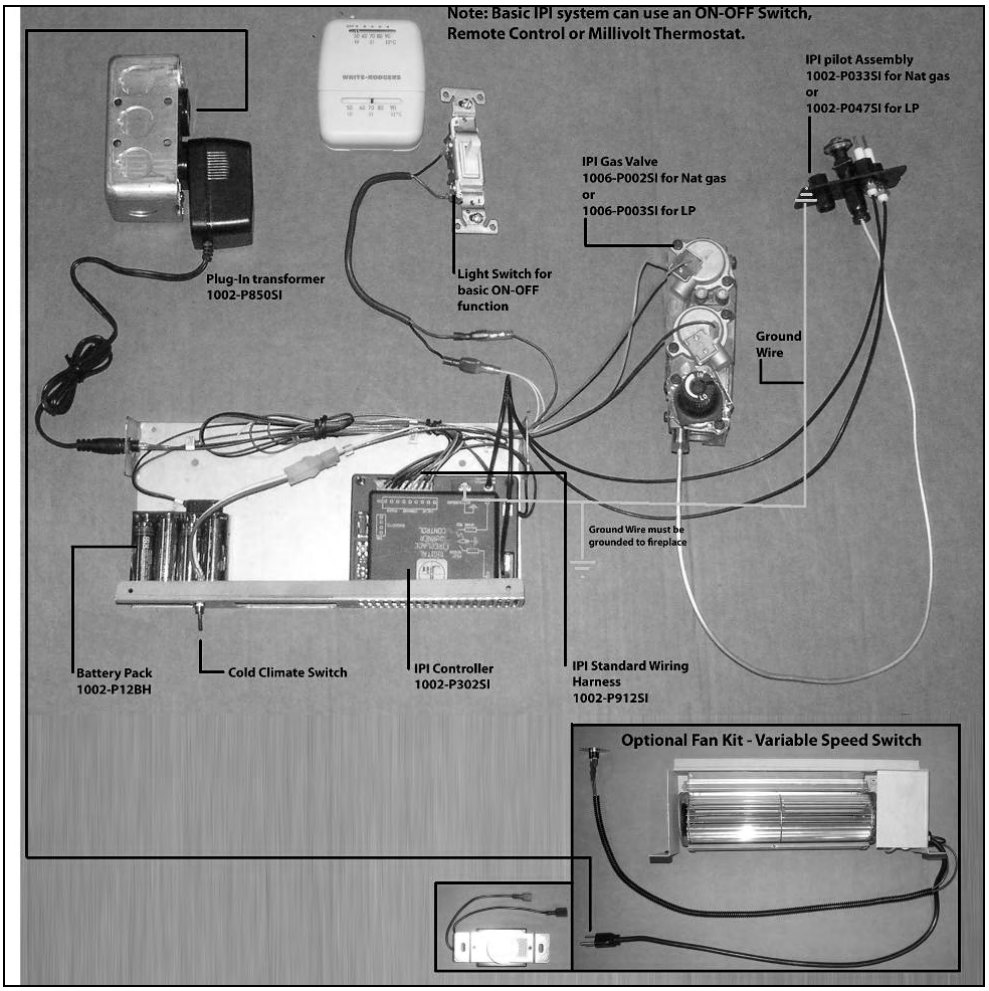
Configuration: Manual Hi/Low

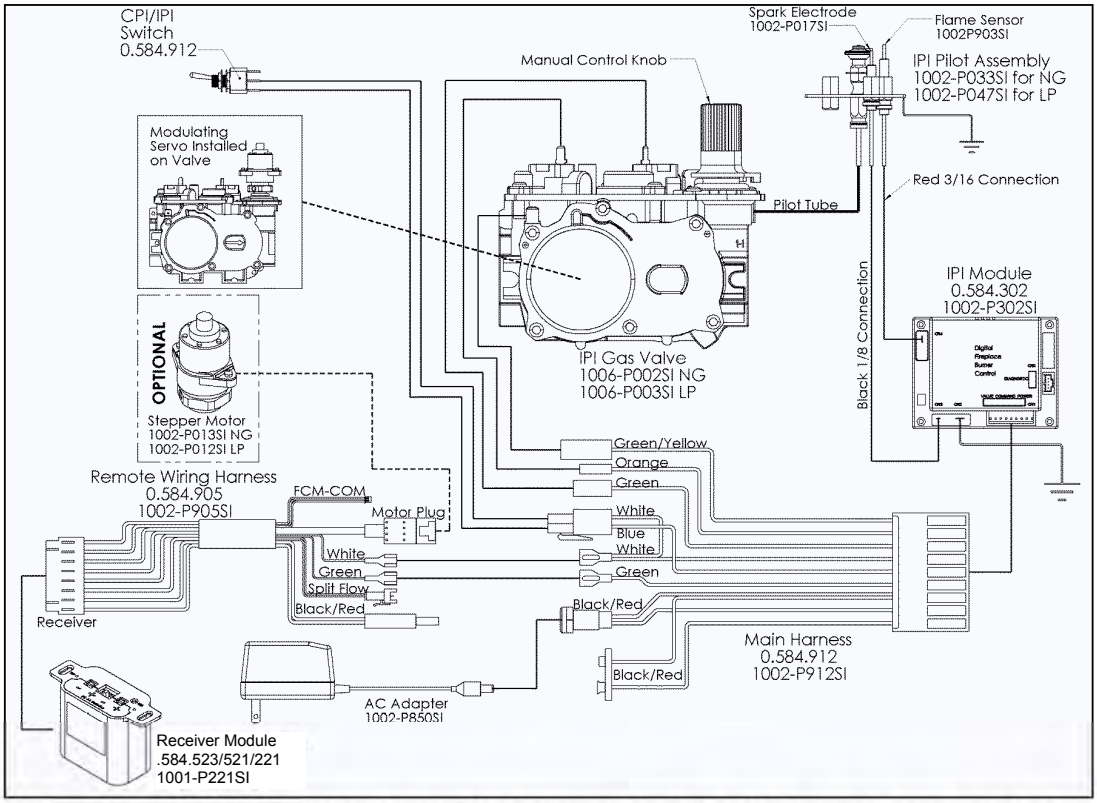
Simplified Wire Diagram



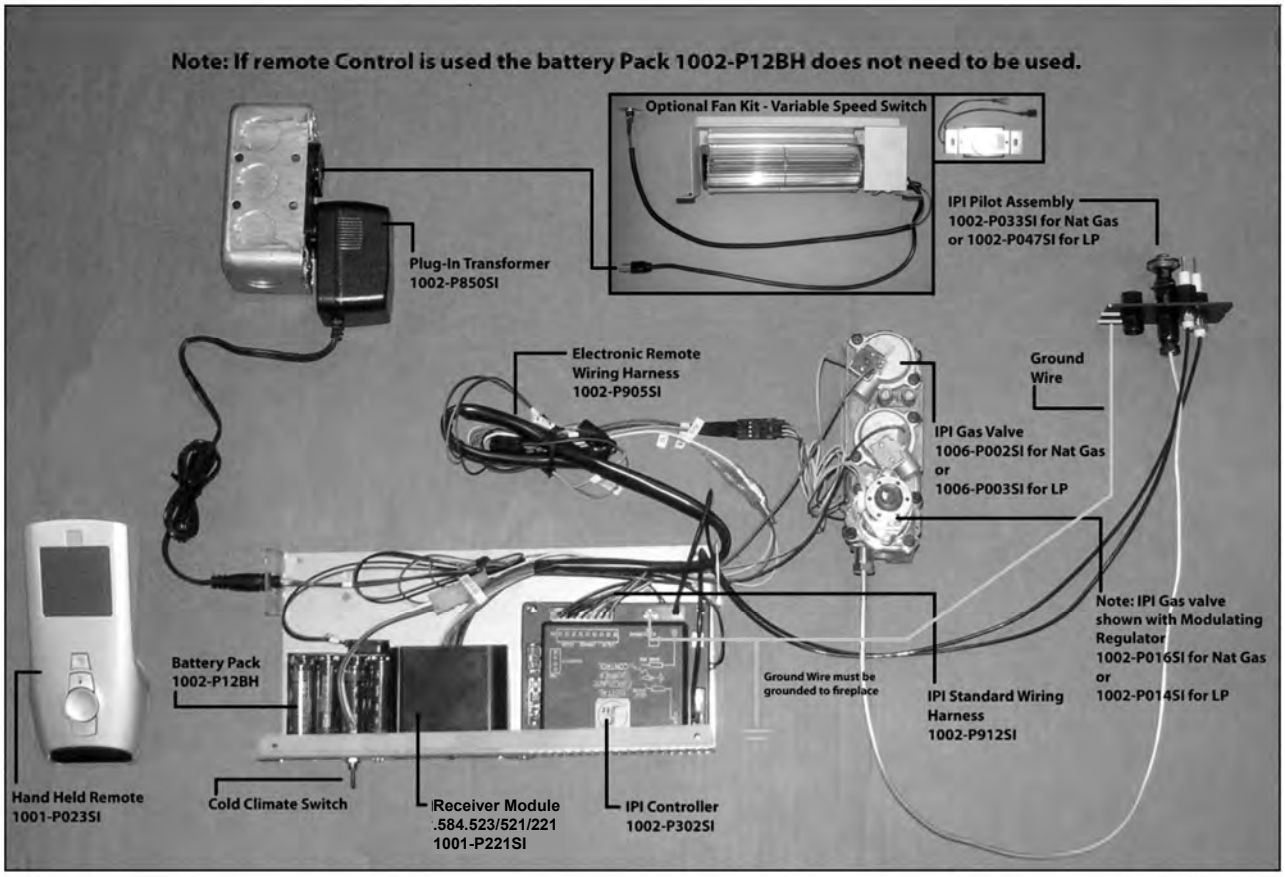


Configuration #1: Basic manual HI/LO and manual ON/OFF capabilities.





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.

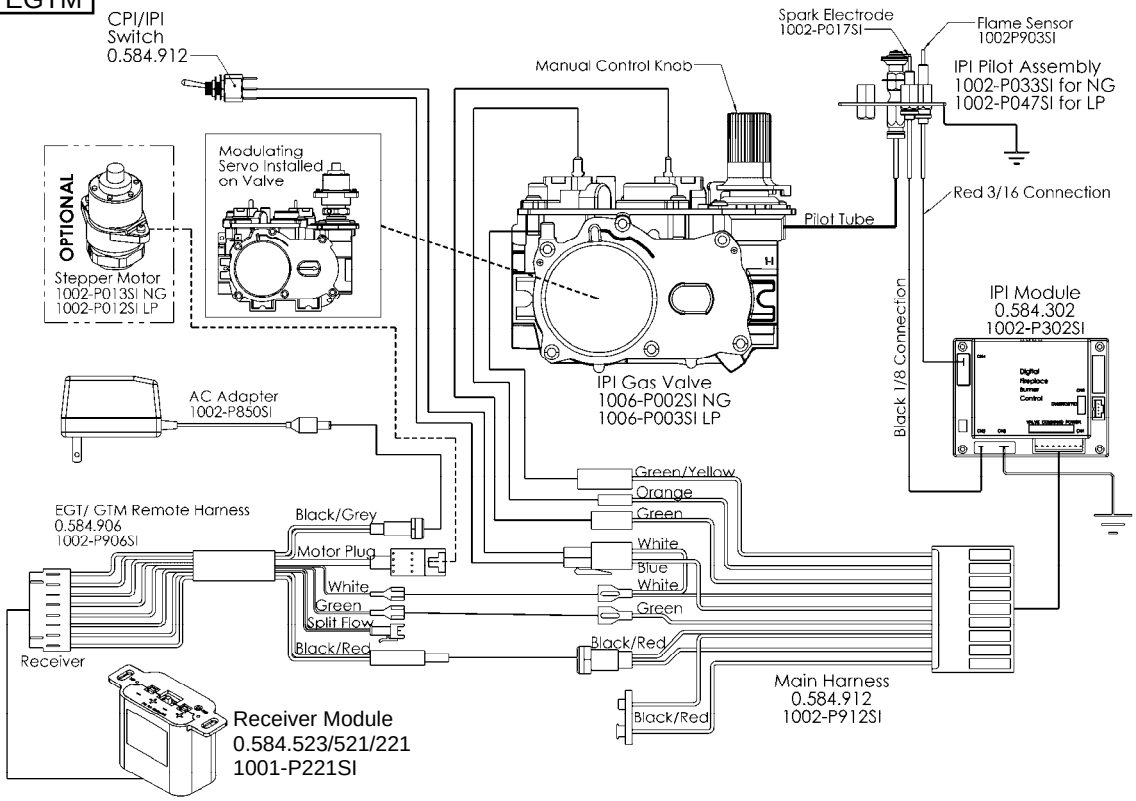


EGTM / GTM System -No Batteries

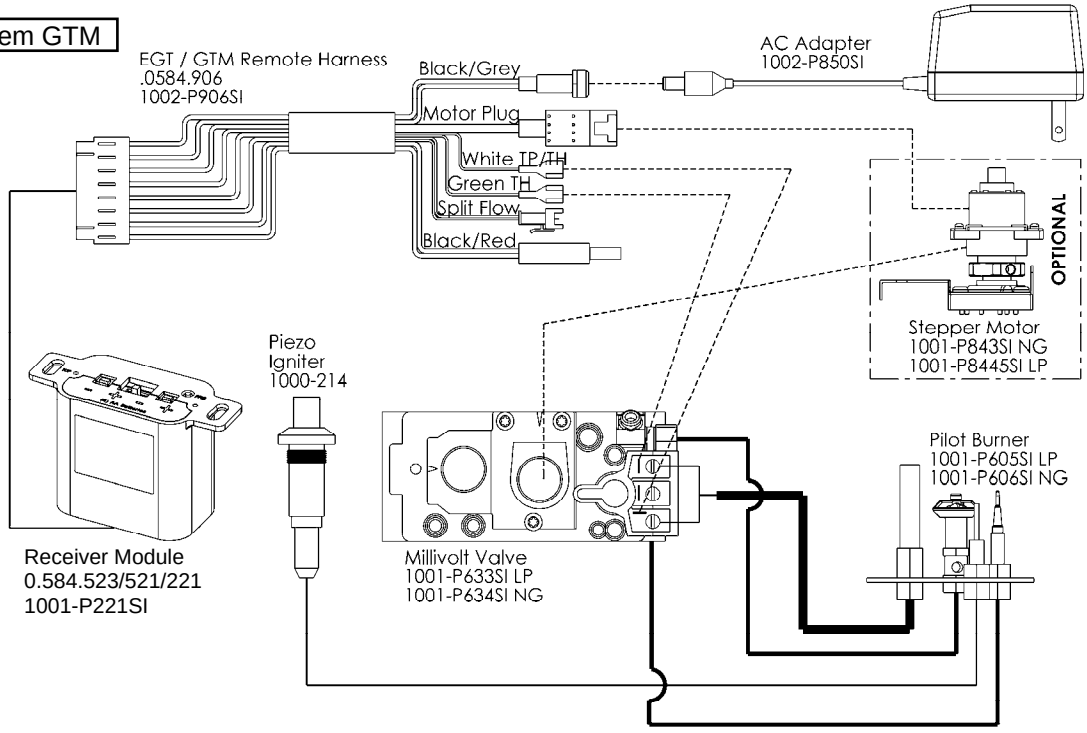
-Wiring Harness P/N 1002-P906si required.
-Millivolt Systems will also require Power Adapter P/N 1002-P850si.

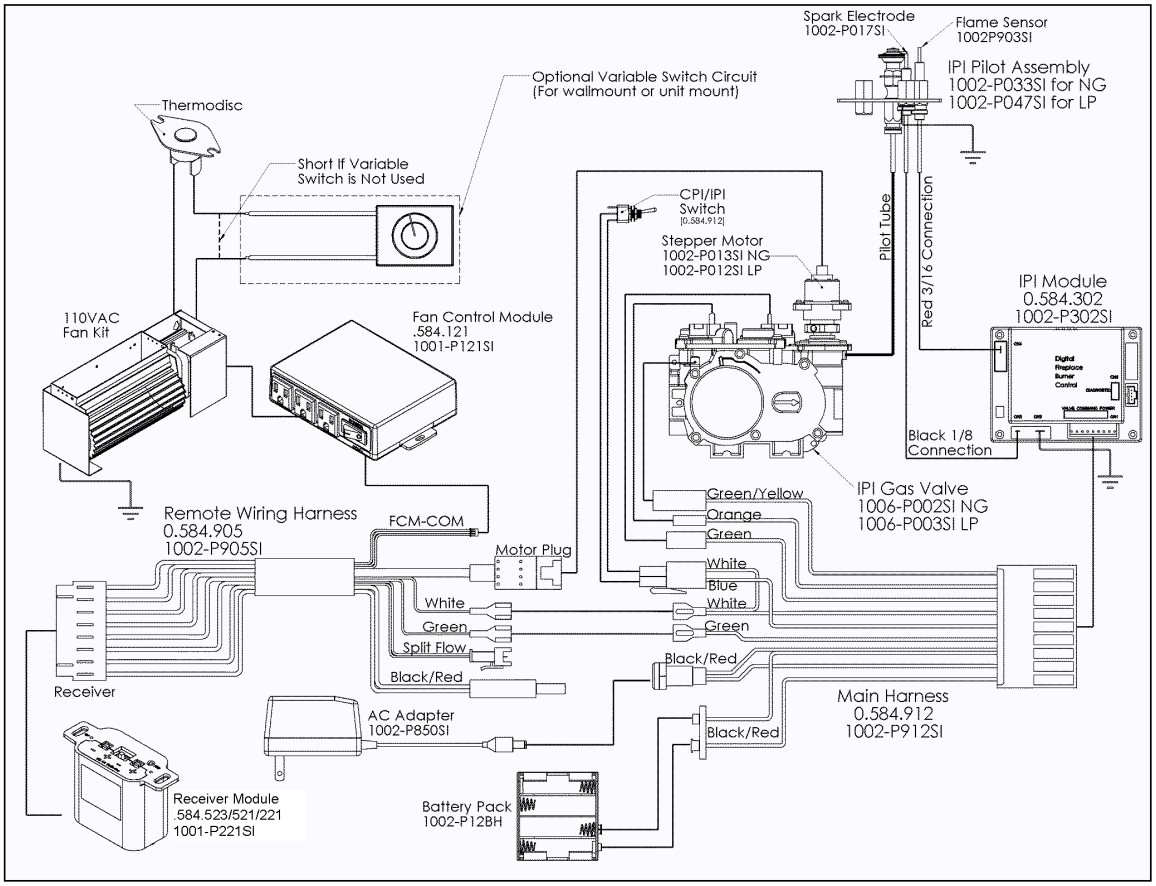
The Remote Receiver & IPI or Millivolt system can be powered by the AC Adapter. This is advantageous if you do not want to use batteries. Simply connect the AC Adapter into the Remote Control Wiring Harness as per the diagrams below.

IPI System EGTM

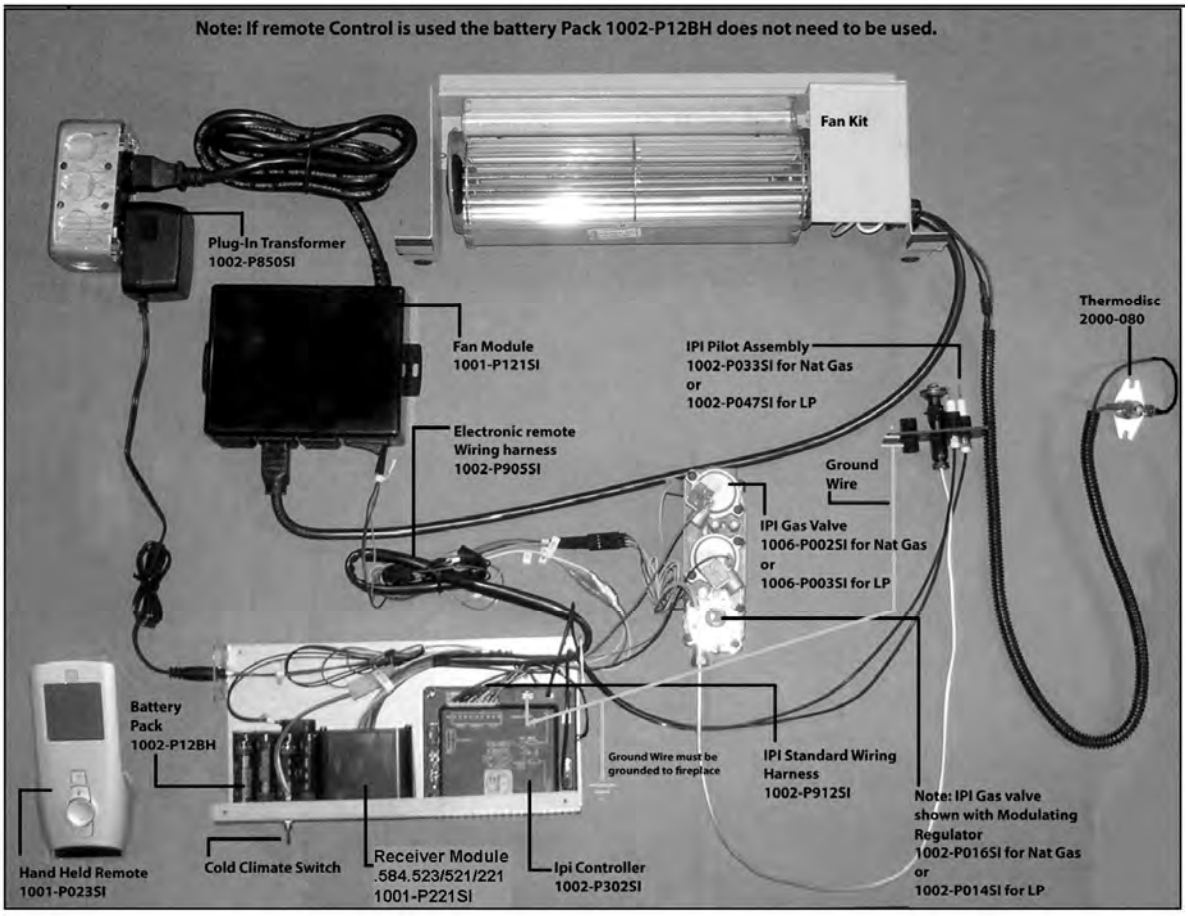


Millivolt System GTM





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



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.

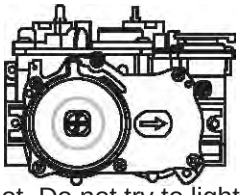
FOR YOUR SAFETY READ BEFORE LIGHTING:

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. 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.

Vent Instructions

NOTE: A chimney venting this fireplace shall not vent any other appliance.

This appliance may be vented into various types of applications: “A” Vent of solid fuel wood burning chimney, Masonry Clay lining and “B” Vent liquid fuel gas chimney.

NOTE: Four (4) inch is required if existing chimney is five (5) inches or larger. Four (4) inch single wall or “B” Vent liquid fuel gas chimney may be used to adapt existing chimney or liner to fireplace.

Single wall pipe must have 6” clearance to combustibles

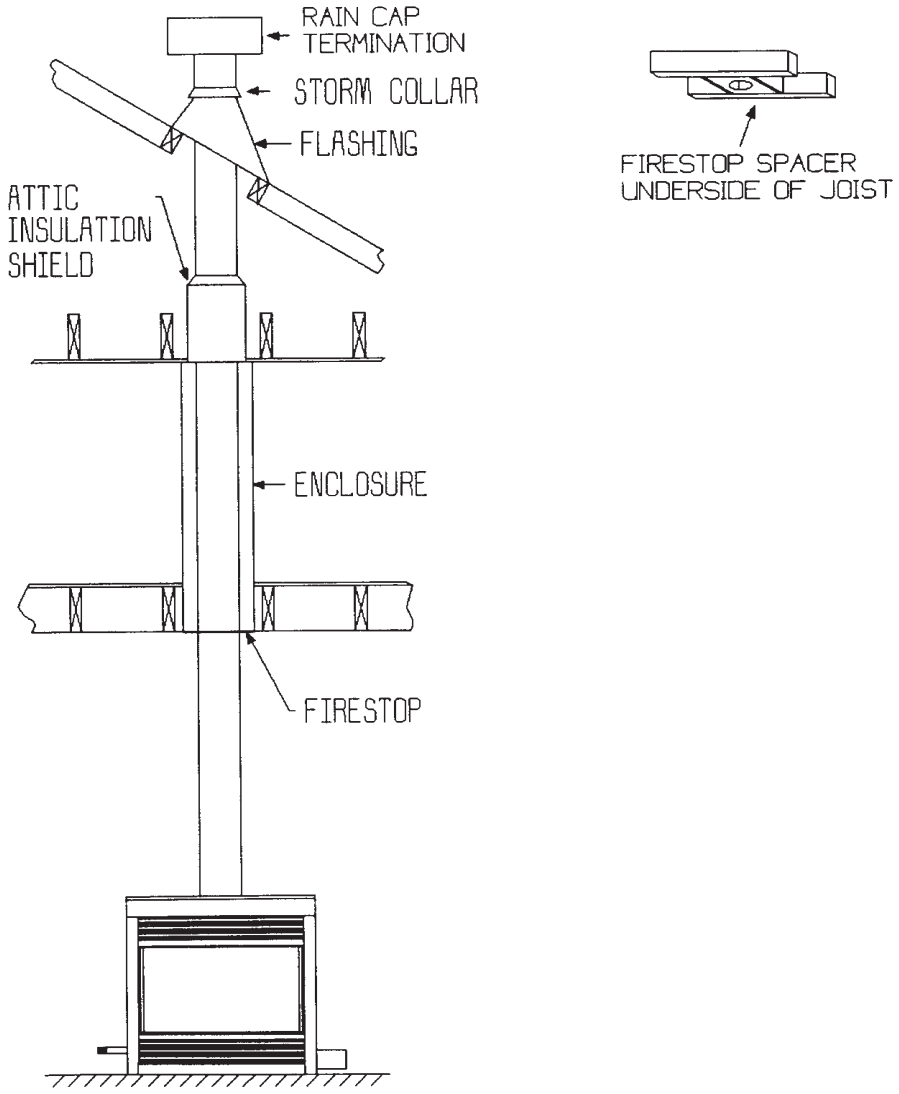
When installing with “B” Vent liquid fuel gas chimney install as per “B” Vent Manufacturer Installation specifications. Offset vertical or vertical installations may be installed.

NOTE: Installation of “B” Vent must follow “B” Vent Manufactures s Installation instructions when being used.

Seal all connections in venting system.

Chimney Installations

Three types of chimney systems may be used with this unit.



A chimney venting this fireplace shall not vent any solid fuel burning appliance.

Parts List 3600ZV

PART NO.	DESCRIPTION
ZV3600N	Fireplace Decorative Top Flue (as above) NG, Tempered Glass, 21,000 BTU
ZV3600LP	Fireplace Decorative Top Flue (as above) LP, Tempered Glass, 20,000 BTU
Log Sets: (Required for each unit)	
LOGC42	Log Set - Four Piece - Classic Oak
LOGC43	Log Set - Four Piece - Traditional Oak
LOGC44	Log Set - Eight Piece - Burnt Oak
Grills: (Required for each unit)	
Z36GBA	Grill Kit - Classic Builder Antique Brass
Z36GBC	Grill Kit - Classic Builder Chrome
Z36GBP	Grill Kit - Classic Builder Polish Brass
Z1GBL	Grill Kit - Black
Z1GAB	Grill Kit - Antique Brass
Z1GPB	Grill Kit - Polish Brass
Z36GCR	Grill Kit - Chrome
Fireplace Accessories Options:	
Z36SAB	Surround - Antique Brass (Coverage Old Style 33 3/4" H x 39 7/8" W)
Z36SCR	Surround - Chrome (Coverage New Style 34 1/2" H x 41 1/8" W)
Z36SPB	Surround - Polish Brass (Coverage New Style 33 1/2" H x 41 1/8" W)
Z36SLAB	Surround Slim Line - Antique Brass (Coverage 34 1/4" H x 37 1/2" W)
Z36SLCR	Surround Slim Line - Chrome (Coverage 34 1/4" H x 37 1/2" W)
Z36SLPB	Surround Slim Line - Polish Brass (Coverage 34 1/4" H x 37 1/2" W)
Z36SLBL	Surround Slim Line - Gun Metal Black (Coverage 34 1/4" H x 37 1/2" W)
Z36ADDX	Arch Door Frame - Deluxe Black (352)
Z36ADTH	Arch Door Frame - Top half Black (353T)
Refractory Liner	
Z36RL	Refractory Liner
Designer Doors for 36" Fireplaces - Operative	
Z36DDA1BL	Designer Door Arch - Series 1 - Black
Z36DDS1BL	Designer Door Straight - Series 1 - Black
Child Safety Screen	
Z36CSS	Safety Screen Replacement
Replacement Burner Assembly	
36ZV-BNGSI	Burner Assembly ZV3600N-SIT
36ZV-BLPSI	Burner assembly ZV3600LP-SIT
Conversion Kit (SIT Valve only)	
3600ZV-CKLP	LP Conversion Kit for ZV3600LP
3600ZV-CKNG	NG Conversion Kit for ZV3600N
3600ZV-CKLPI	LP Conversion Kit for ZV3600LPE
3600ZV-CKNGI	NG Conversion Kit for ZV3600NE
Door Glass	
3600-311	Tempered Glass (ZV3600)
Valve System Parts - SIT NOVA (If Serial Number is LESS than 36184)	
1000-P136WR	Thermopile GOAI-524
1001-P035SI	Electrode Sparker 915.035 SIT
1001-P129SI	Thermocouple 290.129 SIT unified
1001-P157SI	Orifice Pilot LP 977.157 SIT
1001-P159SI	Orifice Pilot NG 977.159 SIT
1001-P508SI	HT Cable 16
1001-P633SI	Valve Nova LP Hi/Lo 0820633
1001-P634SI	Valve Nova NG Hi/Lo 0820634
1001-P605SI	Pilot Burner LP 190.605 unified SIT
1001-P606SI	Pilot Burner NG 190.606 unified SIT

PART NO.	DESCRIPTION
Valve System Parts - SIT NOVA New top convertible SIT (If Serial Number is between 36184-36350)	
1000-P136WR	Thermopile GOAI-524
1001-P069SI	Electrode Sparker 915.069 TC SIT
1001-P216SI	Thermocouple 290.216 TC SIT
1001-P165SI	Orifice Pilot NG 977.165 TC SIT
1001-P167SI	Orifice Pilot LP 977.167 TC SIT
1001-P508SI	HT Cable 16
1001-P508SI	HT Cable 16
1001-P633SI	Valve Nova LP Hi/Lo 0820633
1001-P634SI	Valve Nova NG Hi/Lo 0820634
1001-P713SI	Pilot Burner LP 199.713 TC SIT
1001-P714SI	Pilot Burner NG 199.714 TC SIT
Valve System Parts - SIT NOVA New SIT TC True Millivolt (If Serial Number is GREATER than above)	
1000-P136WR	Thermopile GOAI-524
1001-P069SI	Electrode Sparker 915.069 TC SIT
1001-P165SI	Orifice Pilot NG 977.165 TC SIT
1001-P167SI	Orifice Pilot LP 977.167 TC SIT
1001-P639SI	Valve Nova LP Hi/Lo 0820639 True MV
1001-P640SI	Valve Nova NG Hi/Lo 0820640 True MV
1001-P745SI	Pilot Burner LP 199.745 TC TM
1001-P746SI	Pilot Burner NG 199.746 TC TM
Miscellaneous Parts	
1000-214	#Piezo-Igniter 1244-17 MARK 21
1000-215	#Pal Nut (18MMXI.5MM)BLK (1364.03)
1000-218	#Switch Ivory (1451/001)
1000-227	#Cover Ivory (86001/001)
1000-255	#Orifice Brass - (State Size)
6000-130	#Explosion Felt Gasket
2000-080	#Thermo Disc 2450 (For Blower)
1000-085	#Control Variable Speed KBWC-13BV
1000-306	Thermalcord - Adhesive Back for Door Frame
1000-305	Ceramic Glass - For All ZDV3600
36ZV-P300TD	Spill Switch
Z65FAK	Fresh Air Kit
1000-150GE	Silicone GE Red IS806 #736
1000-150MP	Hi-Temp Millpac Sealant 840099
1000-085	Control Variable Speed KBWC-13BV
FP15GC	Stainless Steel Gas Connector
Valve System Parts - Honeywell	
1001-P8520EN	Valve hi/lo-NG- HONEYWELL
1001-P8520EP	Valve hi/lo-LP - HONEYWELL
Fan Kit / Blower	
Z33FK	Fan Kit w/Variable Speed Wall Mount Control (Temperature Sensing)
Accessories	
Z1MT	Thermostat Millivolt Wall Mount
Z80PT	Thermostat Programmable Digital Millivolt Wall Mount (1F80-40)
DCHS	Remote Control Heatshield
*In the U.S.A. Thermostats are not permitted for Vented Gas Fireplaces.	
Remote Control / Millivolt	
GFRC	Remote Control Millivolt / IPI – On/Off
GTRC	Remote Control Millivolt - Thermostat
GTMRCN	Remote Control Millivolt – Thermostat/Modulating - NG
GTMRCP	Remote Control Millivolt – Thermostat/Modulating - LP
GTFRCN	Remote Control Millivolt – Thermostat/Modulating/Fan - NG

PART NO.	DESCRIPTION
GTFRCP	Remote Control Millivolt – Thermostat/Modulating/Fan - LP
Electronic Ignition/Remote Control IPI	
EGTMRCN	Remote Control IPI (Thermostat/Modulating - NG)
EGTMRCP	Remote Control IPI (Thermostat/Modulating - LP)
EGTFRCN	Remote Control IPI (Thermostat/Modulating/Fan - NG)
EGTFRCP	Remote Control IPI (Thermostat/Modulating/Fan - LP)
Electronic Ignition Replacement Parts IPI	
1006-P002si	Valve IPI (NG; Hi/Lo)
1006-P003si	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)
1001-P168si	Orifice Pilot (LP)
1002-P013si	Stepper Motor (NG)
1002-P012si	Stepper Motor (LP)
1002-P016si	Hi/Lo Regulator (NG)
1002-P014si	Hi/Lo Regulator (LP)

Trouble Shooting The Gas Control System

WARNING: BEFORE DOING ANY GAS CONTROL SERVICE WORK, REMOVE THE GLASS FRONT.

NOTE: 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.	Check for spark at electrode and pilot: if no spark and electrode wire is properly connected, replace igniter.
	Defective igniter (push-button)	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 safety spill switch	Check pilot flame. Must impinge on generator and thermocouple. Clean and/or adjust pilot for maximum flame impingement on generator and thermocouple. Be sure wire connections from spill safety switch are connected securely to wires on back of valve. If pilot still doesn't light, unplug spill switch wires at valve and then plug thermocouple wires (blue in color) together. If this works, the spill switch is defective.
	Defective thermocouple	Replace thermocouple
	Defective valve magnet.	Turn valve knob on "On", place wall switch on "On". Millivolt meter should read greater than 100mV. If the reading is okay and the burner does not come on, replace the gas valve.
Pilot burning, no gas to burner, Valve knob "ON", Wall Switch "ON"	Wall switch or wires defective.	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 connec tions are bad.
	Generator may not be generating sufficient voltage.	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.
	Plugged burner orifice.	Check burner orifice for stoppage and remove.
	Defective automatic valve operator.	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.

-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.

-Termination Cap Safety- All Units

WARNING:

WHEN THE HORIZONTAL VENT TERMINATION IS ACCESSIBLE A CERTIFIED GUARD (SAFETY CAGE) SHALL BE INSTALLED.

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.

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.

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 distributors 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