

Installation Instructions

Model Number FV200 - FV200P

Free Standing Vented Gas Stove

Stock #'s: FV200N, FV200LP, FV200PN, FV200PLP are
Certified to: ANZI Z21.88-2009, CSA 2.33-2009
Listed Vented Gas Fired Free Standing Room Heater

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



This appliance may be installed in an aftermarket permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes.
This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

Read this complete manual before beginning installation.
These instructions must be kept with the unit for future reference.

FOR YOUR SAFETY



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



WARNING: Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury or loss of life. Refer to this manual. Installation and service must be performed by a qualified installer, service agency or the gas supplier.

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.
Extinguish any open flame.
Do not touch any electrical switch.
Do not use any phone in your building.
Immediately call your gas supplier from a neighbour's phone.
If you can not reach your gas supplier, call the fire department.



A Division of R-Co. Inc.
2340 Logan Avenue
Winnipeg, Manitoba, Canada R2R 2V3
Ph: (204) 632-1962

PRE-INSTALLATION QUESTIONS and ANSWERS

Why does my fireplace or stove give off odour?

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

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

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 with an appropriate cleaner to prevent build-up (such as Windex or 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.

Noise coming from the fireplace?

- Noise caused by metal expanding and contracting as it heats up and cools down, similar to the sound produced by a furnace or heating duct. This noise does not affect the operation or longevity of your fireplace.
- Different types and thicknesses of steel will expand and contract at different rates resulting in “cracking” and “ticking” sounds throughout the heating and cooling periods.
- You should also be aware that as temperatures change within the unit these sounds will likely re-occur. Again this is normal for steel fireboxes, and is not a defect.

Cleaning the Glass

During the first few fires, a white film may develop on the glass front, as part of the curing process. The glass should be cleaned after the unit has cooled down or the film can bake on and become very difficult to remove. Use a non-abrasive cleaner and do not attempt to clean the glass while it is hot.

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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/CGA-B149.1 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.



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. 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.
15. 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.
16. 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.
17. Do not operate appliance unless completely installed as per installation instructions.
18. 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.
19. 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.
20. The front of the fireplace gives off high temperatures that could ignite combustible material which is kept close to the front of the unit.
21. Ensure that power to the Fireplace is turned off before servicing.
22. Do not operate this Fireplace without the glass front or with a broken glass.
23. 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.
24. 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.



WARNING



**HOT GLASS WILL
CAUSE BURNS.**

**DO NOT TOUCH GLASS
UNTIL COOLED.**

**NEVER ALLOW CHILDREN
TO TOUCH GLASS.**

- 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 USA see local codes.

Operations and Maintenance Instructions

For safe installation and operation note the following:

- 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 our 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 (2005 Edition).
 - 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 (2005 Edition); 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 (2005 Edition).
 - 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 (2005 Edition).

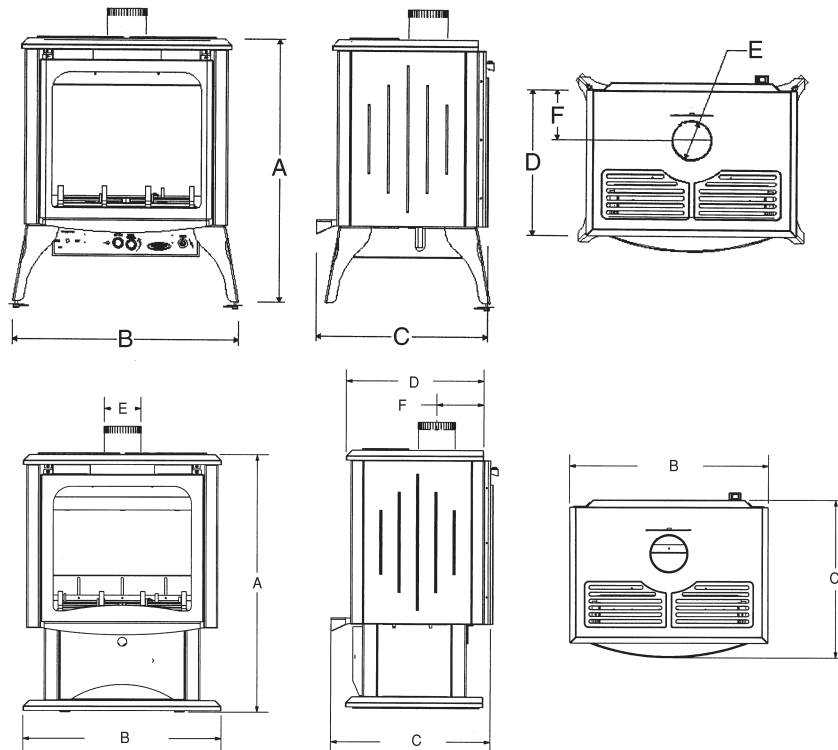
A Product-approved vent terminal must be used, and if applicable, a Product-approved air intake must be used. Installation shall be in strict compliance with the manufacturer instructions. A copy of the installation instructions shall remain with the appliance or equipment at the completion of the installation.

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.

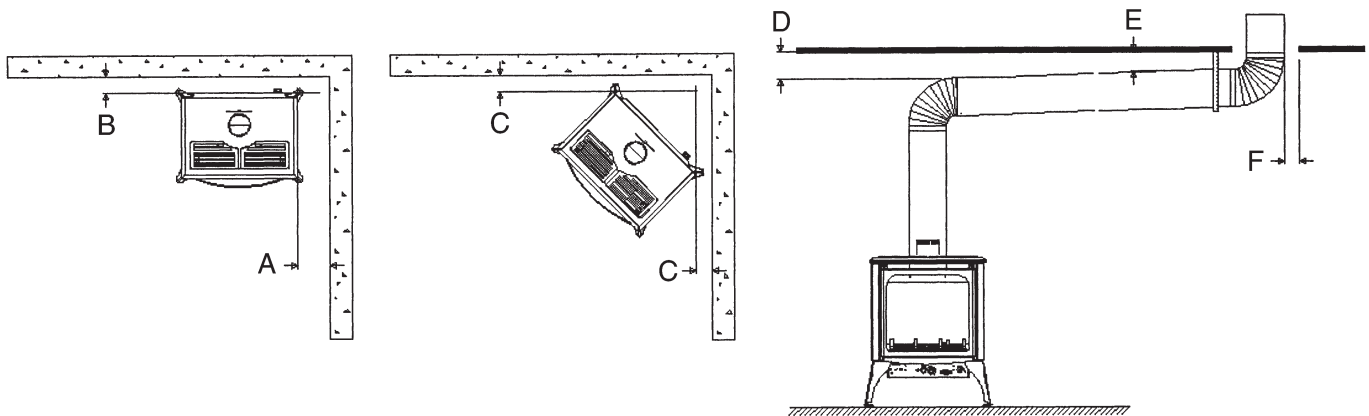
INSTALLATION AND OPERATION

	FV200 Leg Model	FV200P Pedestal
A	27 $\frac{1}{8}$ "	28 $\frac{1}{2}$ "
B	23 $\frac{1}{4}$ "	21 $\frac{3}{4}$ "
C	17 $\frac{1}{2}$ "	17 $\frac{1}{2}$ "
D	15"	15"
E	4" Dia	4" Dia.
F	5 $\frac{1}{8}$ "	5 $\frac{1}{8}$ "

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.



LOCATING YOUR APPLIANCE



THE FOLLOWING MINIMUM DISTANCES TO COMBUSTIBLES MUST BE OBSERVED TO ENSURE SAFE OPERATION OF YOUR STOVE.

	Minimum distance to combustibles
A	7 1/2" from side of unit
B	3" from back of unit
C	3" from side of unit in corner (45°) installation
DEF	For venting, see manufacturers vent specification and clearances

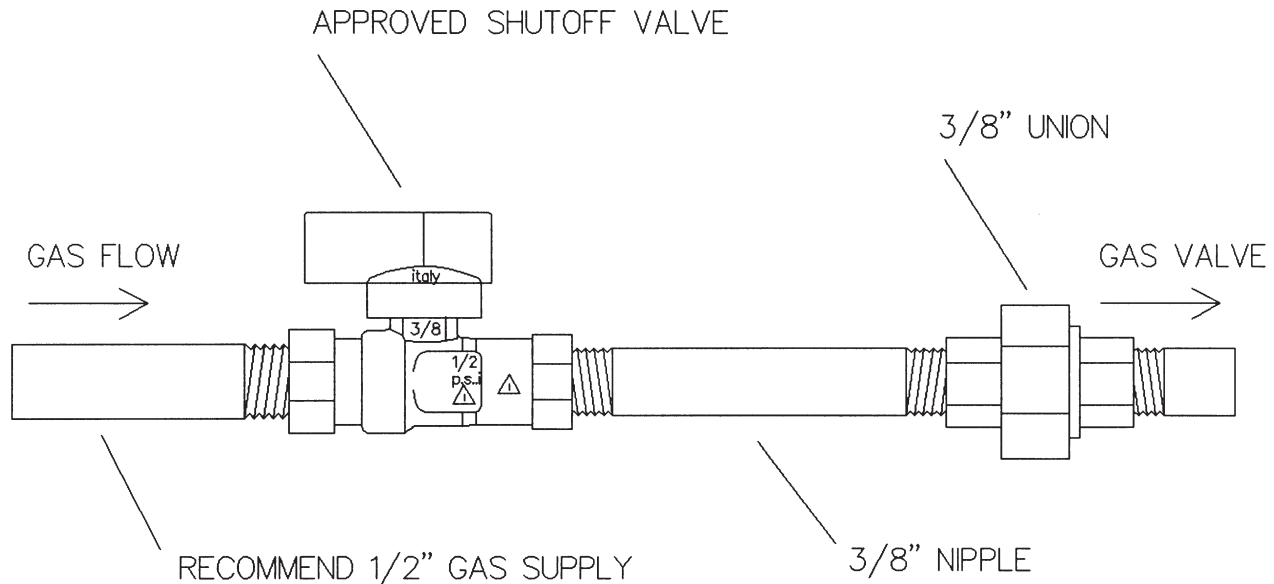
Maximum horizontal directly off the top of unit 3 ft., otherwise see 'B' Vent Manufacturer Installation Instruction Chart. The unit should be placed on a hard, stable surface. The appliance may be installed directly on carpeting, tile or other combustible material with no additional floor protection being required.

This unit has been tested in a Alcove the minimum size of Alcove is Depth 30", Height 56", Width 53".

GAS LINE INSTALLATION

This gas appliance should be installed by a qualified installer in accordance with local building codes and with current CSA-B149.1 installation codes for Gas Burning Appliances and Equipment in Canada and the National Fuel Gas Code Z223.1 in the United States.

NOTE: IF THE OPTIONAL FAN KIT IS TO BE INSTALLED IT IS HIGHLY RECOMMENDED THAT IT BE ATTACHED TO THE STOVE BEFORE THE STOVE IS PUT IN ITS FINAL POSITION.



1. The gas pipeline is brought into the unit on the back left side of the unit.
2. The gas control inlet is 3/8". Typical installation layout for rigid pipe is shown below.
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 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 5.5" w.c. must be used for supply from the gas meter. Consult with the local gas utility if any questions arise concerning pipe sizes.
6. A 1/8" NPT plugged tapings 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 flex connector. Since some municipalities have additional local codes, it is always best to consult your local authorities and the current CAN/CGA-B149.1 or .2 installation code in Canada or the National Fuel Gas code ANSI Z223.1 in the U.S.A.

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.

IMPORTANT: Always check for gas leaks with a soap and water solution. Do not use open flame for leak testing.

FV200 - FV200P NG/LP GAS SPECIFICATIONS

FUEL	GAS CONTROL	MAXIMUM INPUT (BTU)		FE P.4.1-02 (CDN)	STEADY STATE
		HIGH	LOW		
NATURAL GAS	MILLIVOLT	30,000	20,000	68.3%	73%
PROPANE GAS	MILLIVOLT	32,000	25,000	68.7%	76%

GAS INLET SIZE	3/8"(SIT)
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GAS SUPPLY PRESSURE	MINIMUM	NORMAL (INCHES WATER COLUMN)	MAXIMUM
NATURAL GAS	5.5	7	9
PROPANE GAS	11	11	12

	MANIFOLD PRESSURE (INCHES WATER COLUMN)
NATURAL GAS	3.5
PROPANE GAS	10

(0-4500 FT)	ORIFICE SIZE	AIR SHUTTER
NATURAL GAS	# 37	1/2"
PROPANE	# 51	FULL OPEN

OPERATING AND MAINTENANCE INSTRUCTIONS

This gas appliance should be installed by a qualified installer in accordance with local building codes and with current CSA-B149.1 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.

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 vapours and liquids.

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 stove 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.

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 stove to give off some odour 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.

It is recommended that you burn your gas stove for at least four (4) hours the first time you use it without the fan on.

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 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

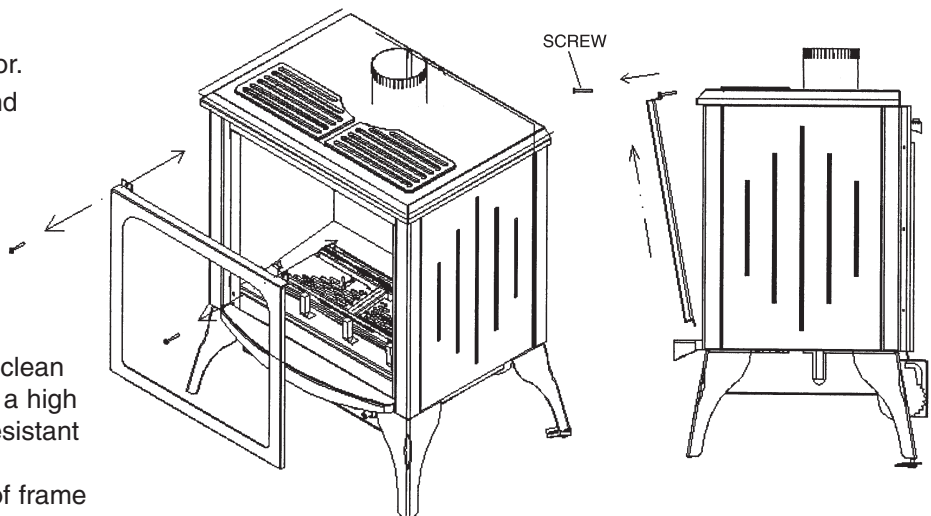
Only Robax ceramic or coated Neoceram glass may be used for replacement. It must be a minimum of 5mm thick.



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.

REMOVAL OF GLASS DOOR

1. Remove two screws at top of door.
2. Pull top of door frame forward and lift from bottom retainer.
3. Reverse steps 1 & 2 to re-install door

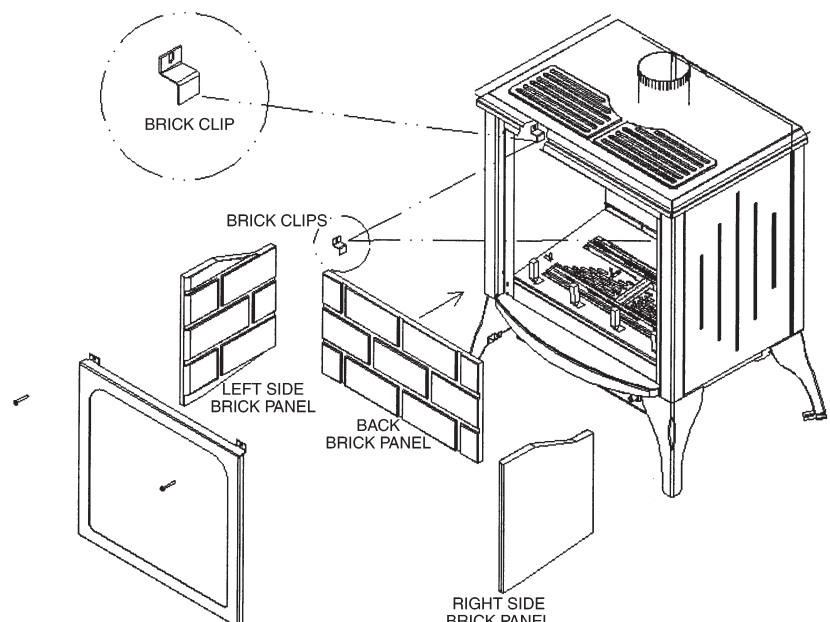


REPLACING OF CERAMIC GLASS

Follow Removal of Glass Door then clean all materials from door frame. Using a high temperature sealant (temperature-resistant to 500°F (260°C)) apply a bead of approximately 1/8" to all four sides of frame and insert glass with new gasket. Frame should be placed on a flat surface with a small amount of weight pressing glass into sealant. Let dry approximately 15 to 20 minutes. The door can be reinstalled by reversing Steps 1, 2.

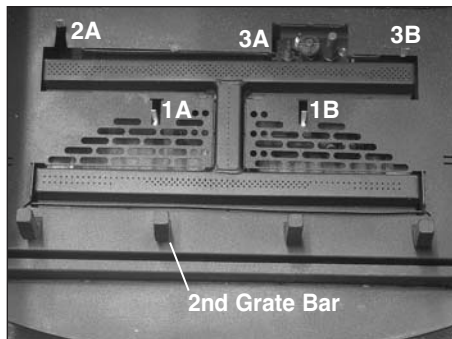
INSTALLATION OF BRICK PANEL KIT

1. Remove glass door as shown in door removal diagram.
2. Place back up to rear of firebox, leaving bottom of panel slightly forward for support.
3. Loosen both brick clips using 1/4" nut driver. Swing brick clip out of the way and position side brick against rear brick panel and side of firebox. Now swing clip onto panel and tighten screw.
4. Install log set and glass door.



Installation Instructions for LOGC200

Remove can of touchup paint from firebox



Locating Tabs



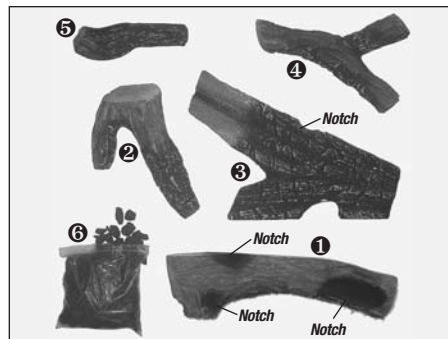
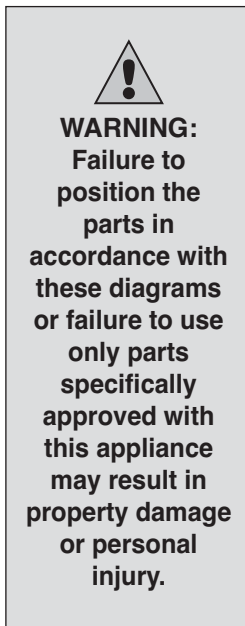
Step 1: Locate the locating tabs 1A–1B and position the holes on the bottom of Log 1 onto the tabs.



Step 3: Place Log 3 into position as shown in picture and slide Log 3 forward up to the locating tabs 3A–3B. Do not place log on top of tabs.



Step 5: Place Log 5 up against 2nd Grate Bar from the left and rest Log 4 onto notched area of Log 1.



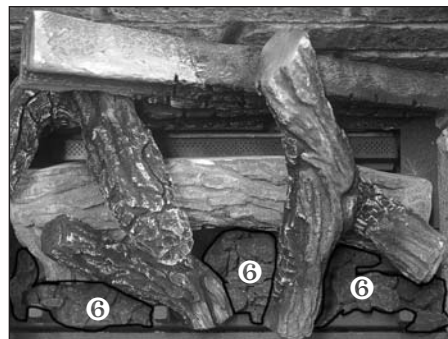
Log and Ember Chunk Kit



Step 2: Locate the locating tab 2A and position the hole on the bottom of Log 2 onto the tab, position the long branch of Log 2 onto notched area of Log 1.



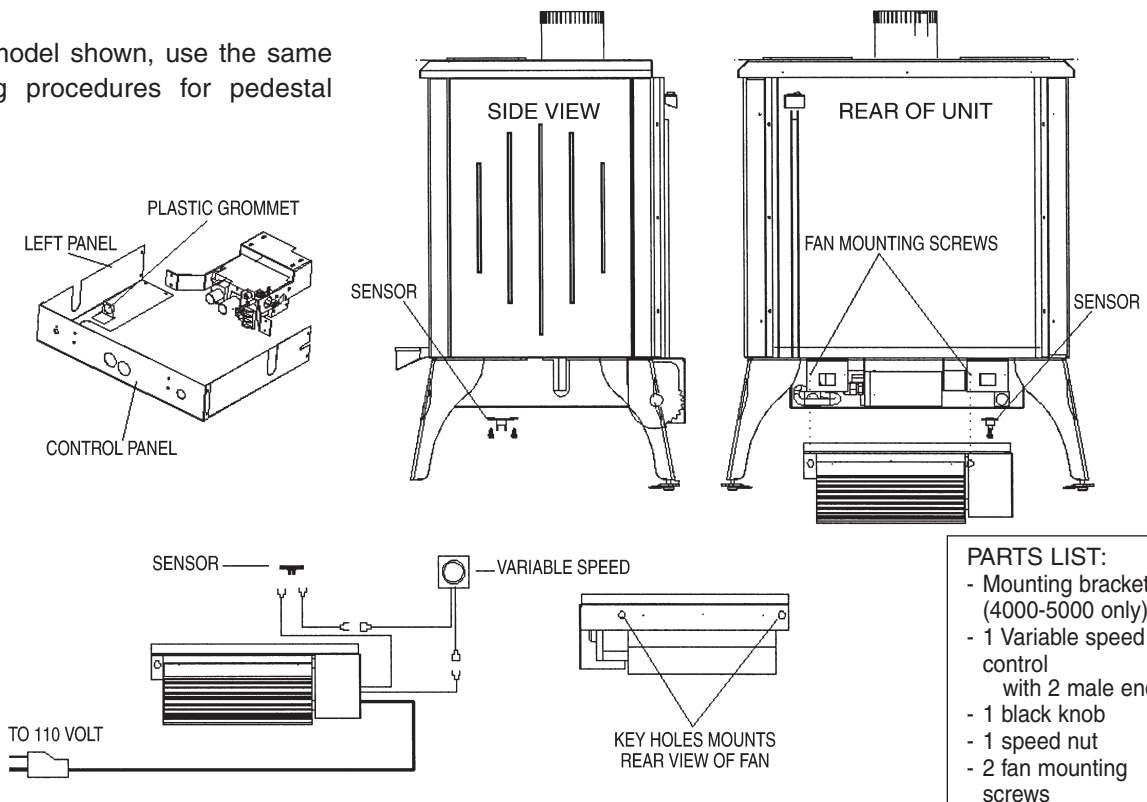
Step 4: Place Log 4 onto notched areas of Logs 1–3.



Step 6: Place Glowing Ember Chunks onto front Burner Tube and slotted Ember Plate. Do not place Chunks on rear Burner Tube.

OPTIONAL FAN KIT INSTALLATION

Note: Leg model shown, use the same mounting procedures for pedestal models.



NOTE: THE FAN ADAPTER IS NOT USED ON 200 MODEL UNITS. (DISCARD THIS ITEM.)

NOTE: FOR EASE OF INSTALLATION, THE FAN KIT SHOULD BE INSTALLED BEFORE THE STOVE IS PUT IN ITS FINAL POSITION.

AUTOMATIC ON/OFF THERMOSTAT CONTROLLED FAN KIT (Part #F35FK)

1. Install variable speed control onto the control panel. It will be located beside the valve controls. Be sure to route the wires from the speed control through the 3/4" plastic grommet located on the left side panel.
2. Locate the two fan mounting screws in the rear of the unit as shown in the above diagram and place the key holes on the rear of the fan over the mounting screws and drop into position.
3. Connect the power, sensor and variable speed control as shown in the wiring diagram.
4. Turn the switch on (clockwise). NOTE: The stove must now be installed and gas line attached before proceeding.
5. Turn the stove on. Once the sensor unit reaches operating temperature (in approximately 10 to 15 minutes) the fan will turn on. The fan can be switched off if desired by turning the switch fully counter-clockwise.
6. Once the fan has started to turn it may be desirable to adjust the minimum fan speed. Tilt the control panel forward to access the rear of the variable speed switch, turn the variable speed switch to its minimum setting (fully clockwise). Use the set screw on the side of the variable speed control to increase or decrease the minimum fan speed. (It may be desirable to lower minimum fan speed to decrease the sound level created by the fan.) Reinstall the control panel.



WARNING:

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



WARNING: Electrical Grounding

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



WARNING: Label all wires

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

MILLIVOLT SYSTEM, LIGHTING, & BURNING 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.
- 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 this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system which has been under water.

LIGHTING INSTRUCTIONS

1. Stop! Read the safety information above on 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, ie. 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 ignitor 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 ignitor 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.
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 electric power back to the appliance.

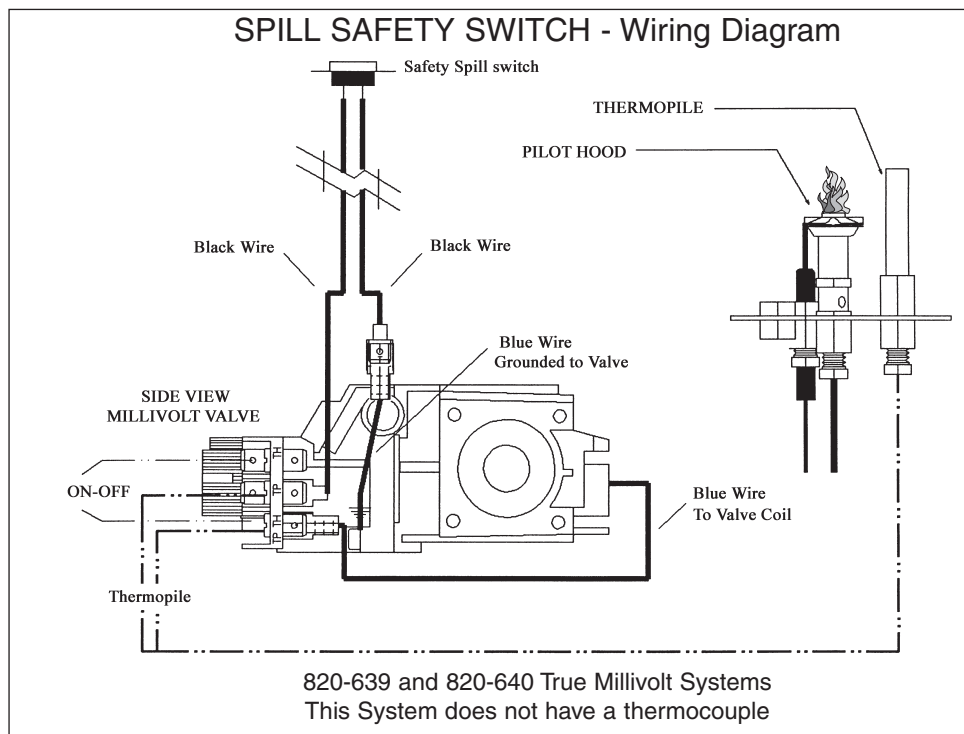
TO TURN OFF THE APPLIANCE

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.



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

MILLIVOLT SYSTEM, LIGHTING, & BURNING CONTROL CONT.



PILOT BURNER ADJUSTMENT

1. Locate pilot adjustment (up and to the right approximately 1/2" from Hi/Lo control).
2. Adjust pilot screw to provide proper sized flame (clockwise decreases height, counter clockwise increases height).
3. Leak test.

NOTE: The "On/Off" switch may be replaced with a wall thermostat or remote. Terminals on the valve, TPTH and TH are for wiring on/off switches, remotes or thermostats.

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

Wire Size	Max. Length
14 GA.	100 FT.
16 GA.	64 FT.
18 GA.	40 FT.
20 GA.	25 FT.
22 GA.	16 FT.

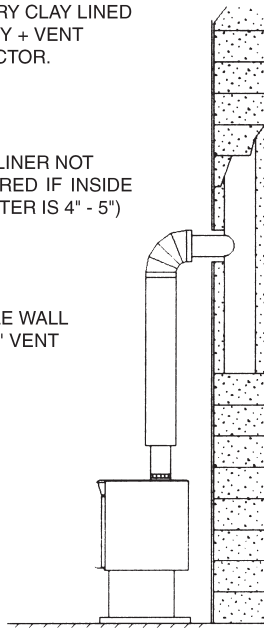
**CAUTION: DO NOT WIRE 120 VOLT
POWER TO VALVE, SWITCHES OR
THERMOSTAT.**

VENT INSTALLATION

MASONRY CLAY LINED
CHIMNEY + VENT
CONNECTOR.

(NEW LINER NOT
REQUIRED IF INSIDE
DIAMETER IS 4" - 5")

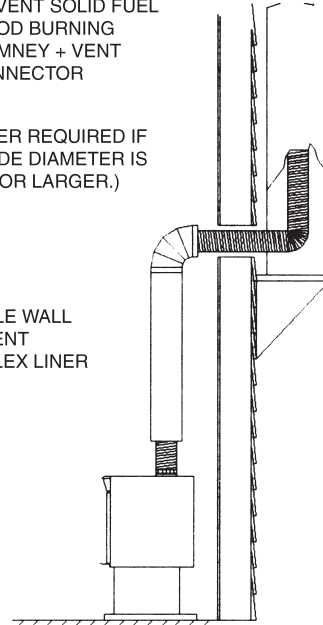
SINGLE WALL
OR "B" VENT



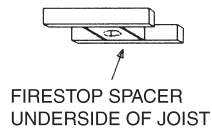
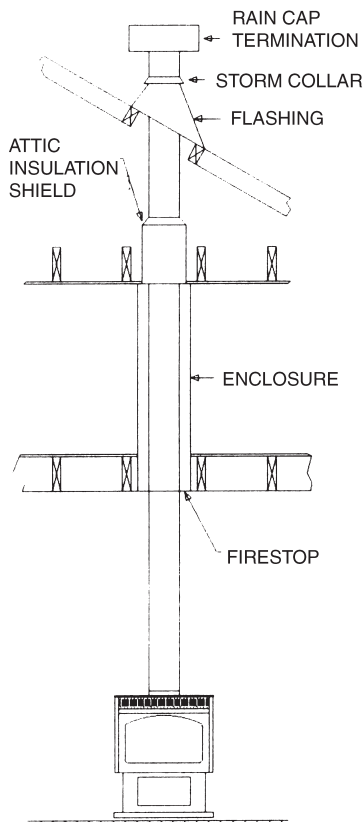
"A" VENT SOLID FUEL
WOOD BURNING
CHIMNEY + VENT
CONNECTOR

(LINER REQUIRED IF
INSIDE DIAMETER IS
6.0" OR LARGER.)

SINGLE WALL
"B" VENT
OR FLEX LINER



VENTING INSTRUCTIONS



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

This appliance may be vented in various types of applications, 'A' Vent of solid fuel wood burning chimney. Masonry Clay lining and 'B' Vent liquid fuel gas chimney. A 90 degree elbow can be installed directly off the vent of the stove with a maximum 3 ft. of horizontal before returning vertical. (See Above Diagram)

NOTE: Four (4) inch is required if existing chimney is six (6) inches or larger. Four (4) inch single wall or 'B' Vent liquid fuel gas chimney or Flex Gas Liner may be used to adapt existing chimney or liner to stove.

When installing with 'B' Vent liquid fuel gas chimney install as per 'B' Vent Manufacturer installation specifications. Horizontal and vertical, offset vertical or vertical installations may be installed.

NOTE: Installation of 'B' Vent must follow 'B' Vent Manufacturers installation instructions when being used.

Seal all connections in venting system.

Follow the 'B' Vent chart for horizontal vertical venting or offset vertical venting. Minimum vertical venting is 10 ft. maximum 60 ft.

PARTS LIST

Product Number	Description
FV200N	Free Standing B - Vent Leg Stove - Natural Gas - Painted Black
FV200LP	Free Standing B - Vent Leg Stove - Liquid Propane - Painted Black
FV200PN	Free Standing B - Vent Pedestal Stove - Natural Gas - Painted Black
FV200PLP	Free Standing B - Vent Pedestal Stove - Liquid Propane - Painted Black
LOG SET: (REQUIRED FOR EACH UNIT)	
LOGC200	Log Set - Cast Split Oak with Embers
ACCESSORIES:	
F35FK	Fan Kit w/Variable Speed Control (Temperature Sensing)
FDV200RL	Refractory Liner
F200ADDX	Decorative Door Overlay
Z1MT	Thermostat Millivolt Wall Mount
Z80PT	Thermostat Programmable Digital Millivolt Wall Mount (1 F80-40)
Z1RC	Remote Control Millivolt (On/Off with LED) (Model I)
ZART	Remote Control Thermostat Millivolt (Model K)
DCHS	Remote Control Heatshield (for Z1RC, ZART)
RMCBN	Remote Control - Basic - Natural Gas (On/Off, Hi/Lo Flame Adjustment)
RMCBP	Remote Control - Basic - Liquid Propane (On/Off, Hi/Lo Flame Adjustment)

REPLACEMENT PARTS

200-310	Glass Robax - c/w Thermalcord
1000-214	Piezo Igniter
1000-255	Burner Orifice NG
1000-255	Burner Orifice LP
2000-080	Fan Thermostat Sensor
2000-085	Fan Variable Speed Switch
3000-930	Thermodisc (Spill Switch)
350-Ember	Rock Chunks (Pyrotech)
350-P217SI	KNOB EXTENSION 1 1/2 - ON/OFF
350-P218SI	KNOB EXTENSION 1 1/2 - HI/LO

SIT SYSTEM TC TRUE MILLIVOLT VENTED

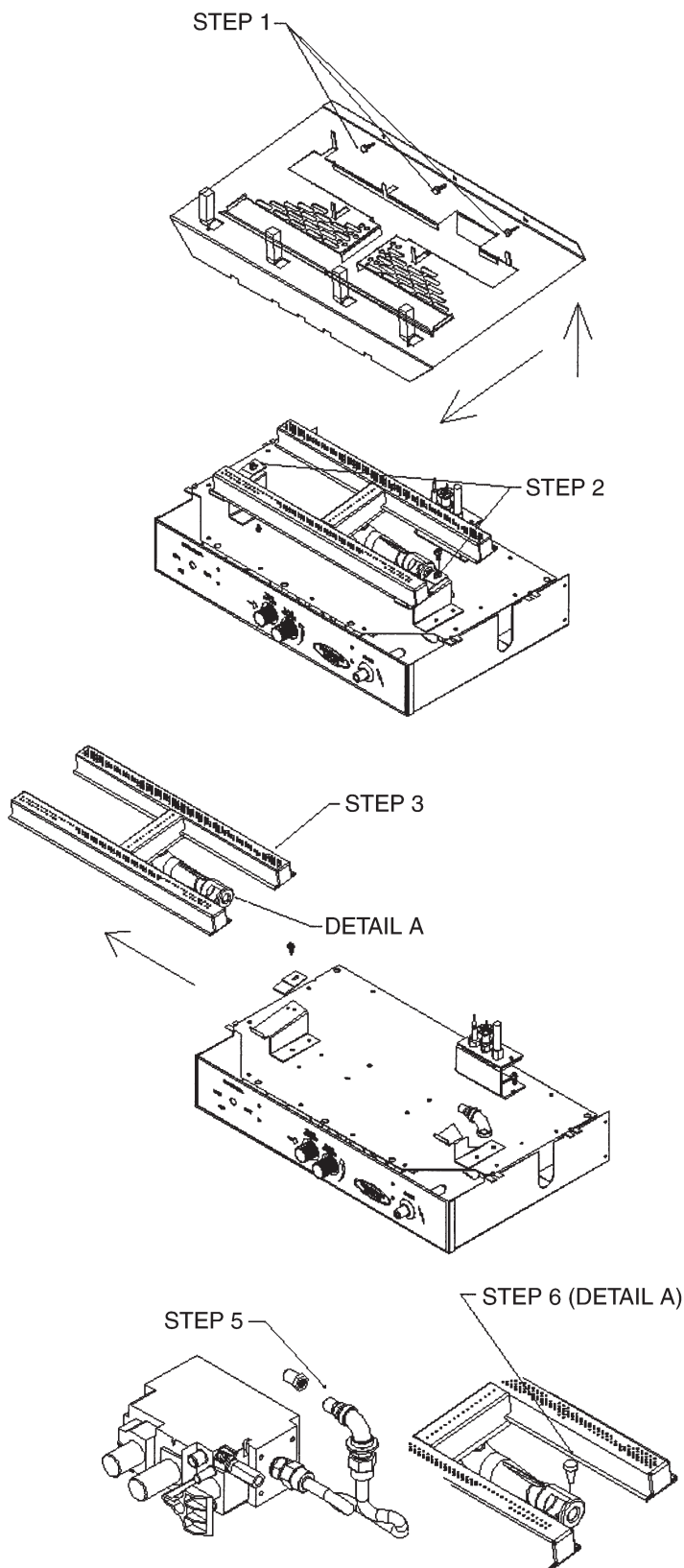
200 - VBLPSI	LP SIT BURNER ASSEMBLY C/W VALVE
200 - VBNGSI	NG SIT BURNER ASSEMBLY C/W VALVE
1000-P136WR	Thermopile GOAI-524
1001-P069SI	Electrode Sparker 915.069 TC SIT
1001-P165SI	Orifice Pilot NG 977.165 TC SIT
1001-P167SI	Orifice Pilot LP 977.167 TC SIT
1001-P639SI	Valve Nova LP Hi/Lo 0820639 True MV
1001-P640SI	Valve Nova NG Hi/Lo 0828640 True MV
1001-P745SI	Pilot Burner LP 199.745 TC TM
1001-P746SI	Pilot Burner NG 199.746 TC TM

CONVERSION KITS

200V-CKNG	CONVERSION KIT - NATURAL GAS - FV200N (c/w Reg Kit NG, Pilot Orifice, Burner Orifice and Conversion Label)
200V-CKLP	CONVERSION KIT - LIQUID PROPANE - FV200LP (c/w Reg Kit LP, Pilot Orifice, Burner Orifice and Conversion Label)



CONVERSION KIT INSTRUCTIONS



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.



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.

SECTION A

- Step 1: Remove false bottom plate before by removing 3 screws.
- Step 2: Loosen 2 screws holding the burner in place.
- Step 3: Slide burner to the left to expose the burner orifice.

Step 4: Proceed to next page (Page 17), Section B.

- Step 5: Remove main burner orifice using a 1/2" wrench and replace with new conversion orifice.
- Step 6: 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.
- Step 7: Follow instructions supplied with the conversion HI LOW to convert the valve from one type of fuel to the other.
- Step 8: Check for gas leaks around the pilot burner tube and face of valve.
- Step 9: Attach conversion label to label plate on bottom of unit, writing information as needed.

Section B Installation Instructions

GAS CONVERSION KIT FOR TOP CONVERTIBLE PILOT **SERIES 019065X**



Instructions for converting SIT 190 series pilot burner injection from NG to LPG and from NG to LPG 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 (1).
- 4** Insert a 5/32" or 4mm Allen wrench into the hexagonal key-way of the injector (2), and rotate it counter clockwise until it is free of the injector journal (3).
- 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 (5). 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 (4). The hood must sit squarely on the bracket for proper operation. Check to insure that the hood is properly seated onto the pilot bracket.
- 8** Proceed to Section A, Step 5.



fig. 1



fig. 2



fig. 3

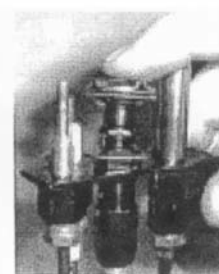


fig. 4

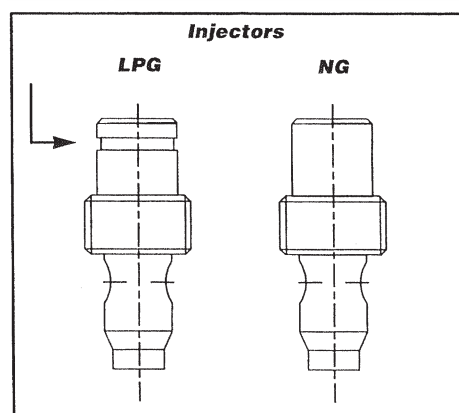


fig. 5

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.



SIT Group



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 thermocouple (flame switch where applicable)	Check pilot flame. Must impinge on generator and thermocouple. Clean and/or adjust pilot for maximum flame impingement on generator and thermocouple. Replace thermocouple if pilot will not hold. (Hand tight 1/8 turn on replacement)
	Defective valve magnet.	Replace valve, if pilot won't hold after the thermocouple is replaced.
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 connections 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.
Flame lifts off burner and goes out in less than 30 seconds	Inner 4" liner has come off flue or termination, flame is starving for oxygen	Attach 4" liner to flue or termination using screws, silicone and clamps as stated in manual.
Flame lifts off burner on one side while the rest of the flame remains lit.	Improper installation of firebrick. Firebrick is likely leaning.	Be sure to position firebrick against firebox walls and be sure to use brick clips attached to the inner side of firebox.



LIMITED LIFETIME WARRANTY

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

BASIC ONE YEAR WARRANTY

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

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.