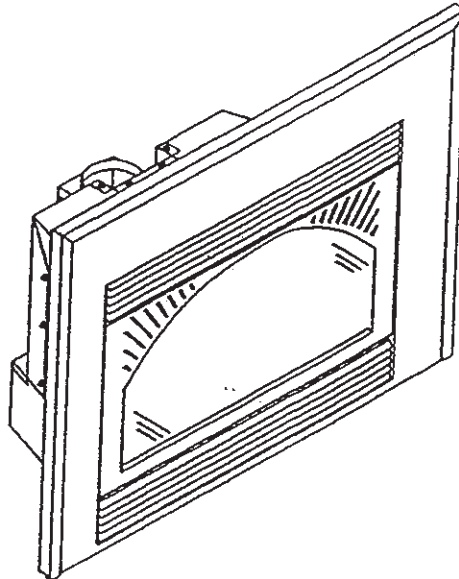




This appliance has been retired.
Service parts pages within have been removed.
For replacement parts, please refer to the individual
service parts list located on the brand websites.



U.S. PATENTS 4,875,464; 5,000,162; AND PATENTS PENDING

MODEL SL-INSERT INSTALLATION AND OPERATION INSTRUCTIONS



A.G.A. Design Certified
and
CGA Certified



THIS MANUAL MUST BE USED FOR INSTALLATION AND RETAINED BY HOMEOWNER FOR
OPERATION AND MAINTENANCE.

HEAT-N-GLO FIREPLACE PRODUCTS, INC.

6665 W. Hwy 13 Savage, MN 55378 (612)890-8367



INSTALLATION AND OPERATION INSTRUCTIONS

PLEASE READ THIS MANUAL BEFORE INSTALLING AND USING THE FIREPLACE.

MODEL SL-INSERT is A.G.A. DESIGN CERTIFIED AND CGA CERTIFIED FOR NATURAL GAS AND PROPANE.

FOR YOUR SAFETY

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

FOR YOUR SAFETY

What to do if you smell gas:

- Extinguish any open flame.
- Do not try to light any appliance.
- Do not touch any electrical switch; do not use any phone 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.

DUE TO HIGH TEMPERATURES, THE APPLIANCE SHOULD BE LOCATED OUT OF TRAFFIC AND AWAY FROM FURNITURE AND DRAPERIES.

DO NOT PLACE CLOTHING OR OTHER FLAMMABLE MATERIAL ON OR NEAR THE APPLIANCE. CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURE AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION.

WARNING: IMPROPER INSTALLATION, ADJUSTMENT, ALTERATION, SERVICE OR MAINTENANCE CAN CAUSE INJURY OR PROPERTY DAMAGE. REFER TO MANUAL FOR ASSISTANCE OR ADDITIONAL INFORMATION CONSULT A QUALIFIED INSTALLER, SERVICE AGENCY OR THE GAS SUPPLIER.

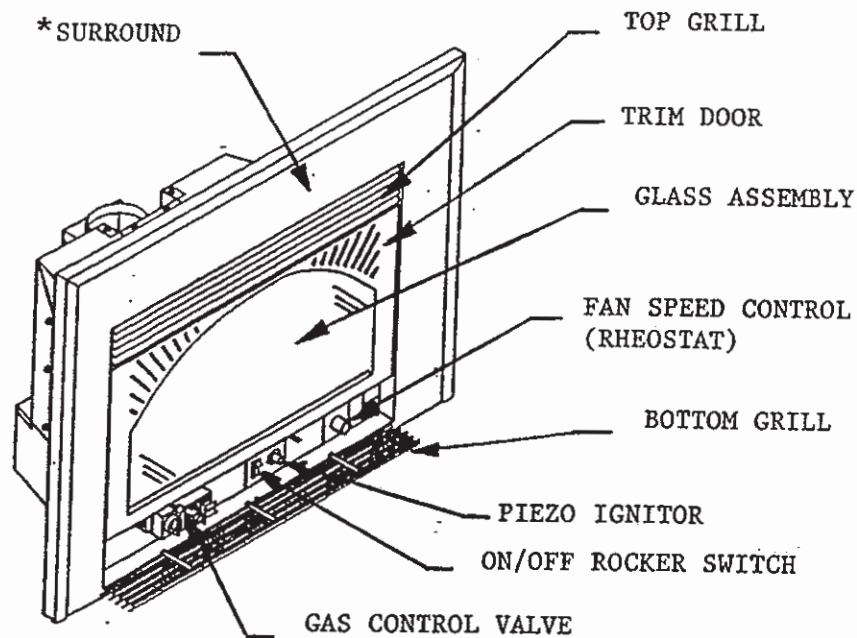
IMPORTANT: Read all instructions carefully before starting installation. Failure to follow these installation instructions may result in a possible fire hazard and will void the warranty.

Save this Manual for future reference.

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- * 3 SURROUND SIZES AVAILABLE
- 40 X 28
 - 44 X 32
 - 34 X 26

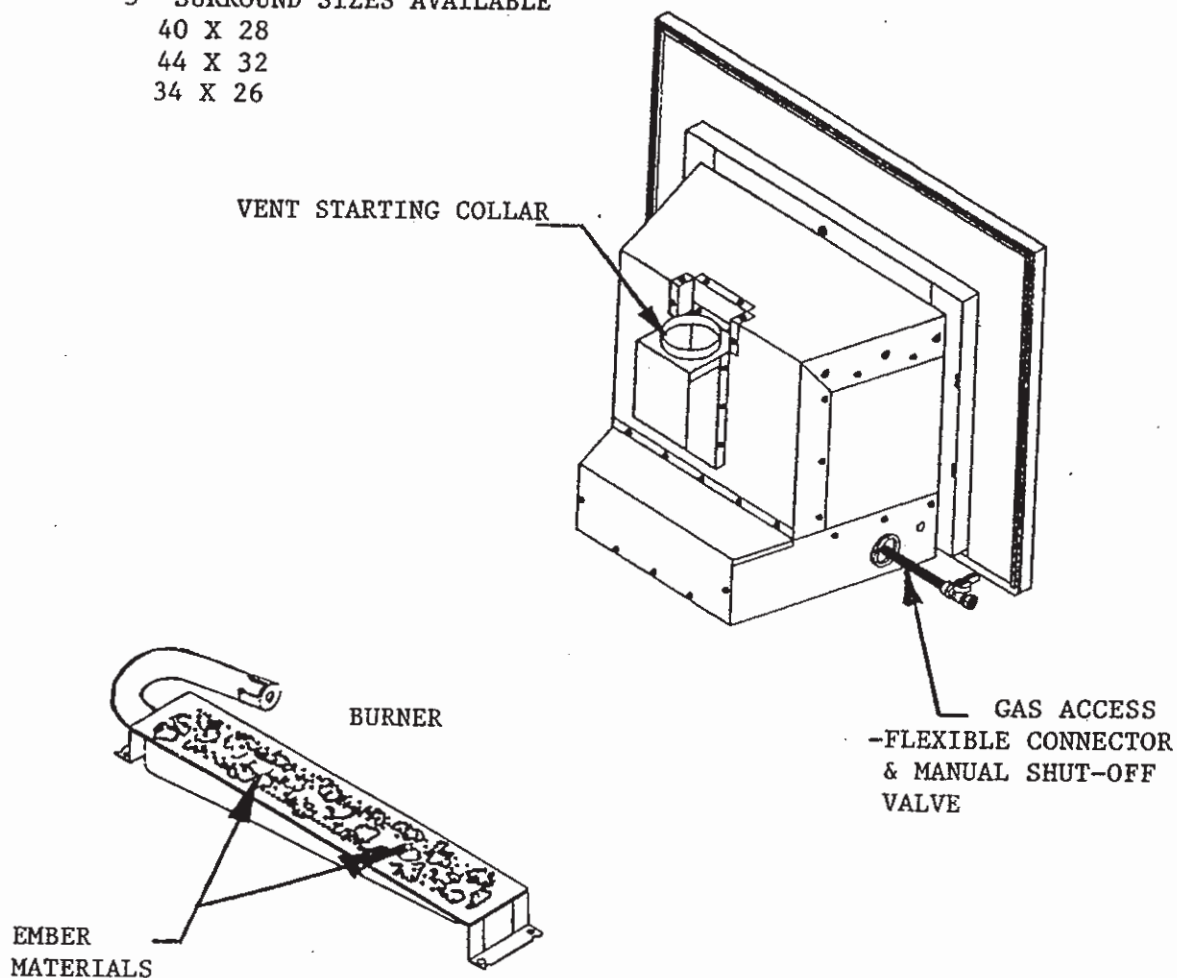
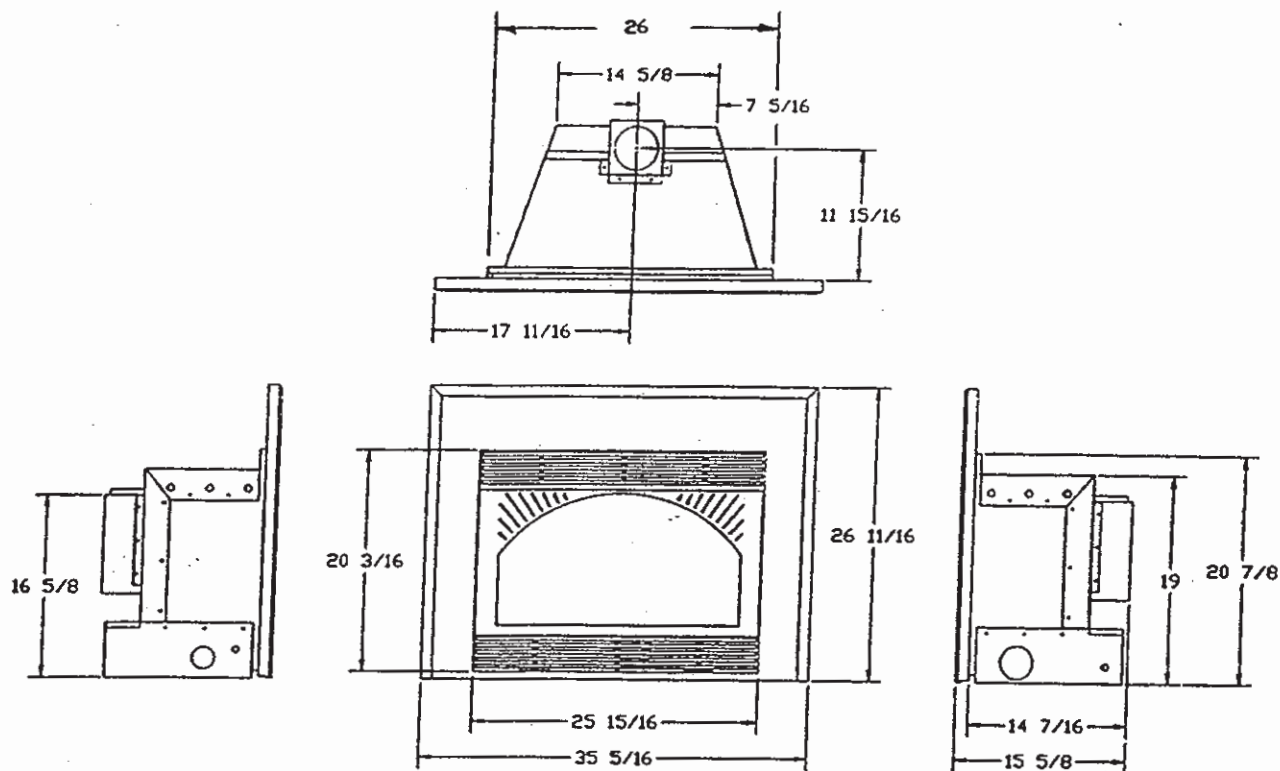


FIGURE 1



*Note: 3426 Surround shown. Other options include -
 4028 Surround &
 4432 Surround

MINIMUM FIREPLACE SIZE

HEIGHT: 21"
 DEPTH: 15"
 WIDTH: 23"
 (FRONT)
 WIDTH: $15 \frac{1}{8}$ "
 (REAR)

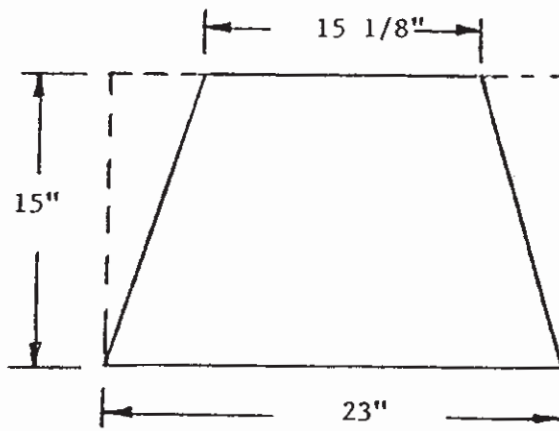


FIGURE 2

1.0 INTRODUCTION

Model SL-INSERT is a top-venting Vented Decorative Gas Appliance for installation in a vented factory-built fireplace or a masonry fireplace. It is designed to operate by drawing combustion air from inside the living space. Exhaust gases are expelled to the outside of the building by using 4-inch B-type, listed single wall rigid, or listed single wall flexible gas vent attached to the top flue vent collar of the unit. **NO** other vent systems may be used. See the venting section 3.1 of this manual.

The minimum fireplace opening size for installing Model SL-Insert is Height: 21", Depth: 15", Width: 23".

WARNING: THIS UNIT IS NOT FOR USE WITH SOLID FUEL.

WARNING: THIS MODEL MUST NEVER BE INSTALLED WITHIN COMBUSTIBLE CONSTRUCTION.

The control system for this model is a millivolt type. It consists of a variable gas control valve/regulator, a standing pilot assembly, a thermopile, a piezo ignitor and an ON/OFF rocker switch. The controls are located in the lower compartment behind the lower hinged grille of the fireplace. Access to this compartment is gained by pulling the top of the grille forward and down.

WARNING: DO NOT CONNECT 110-120 VAC TO THE GAS CONTROL VALVE OR CONTROL WIRING SYSTEM OF THIS UNIT.

Installation must conform to local codes. In the absence of local codes installation must conform with the current National Fuel Gas Code ANSI Z223.1 (in the United States) or with the current installation code CAN/CGA B-149 (in Canada). The appliance when installed must be electrically grounded in accordance with local codes; in absence of local codes, with the current National Electric Code ANSI/NFPA NO. 70 (in The United States) or with the current CSA C 22.1 Canadian Electric Code (in Canada).

NOTE: 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 ETC. IT IS IMPERATIVE THAT THE UNITS CONTROL COMPARTMENT, BURNERS, AND CIRCULATING AIR PASSAGEWAYS BE KEPT CLEAN TO PROVIDE FOR ADEQUATE COMBUSTION AND VENTILATION AIR.

Provide adequate clearances around air openings into the combustion chamber and allow accessibility clearance for servicing and proper operation. **NEVER OBSTRUCT THE FRONT OPENINGS OF THE FIREPLACE OR THE VENT CAP ON THE EXTERIOR OF THE HOUSE.**

Minimum inlet gas supply pressure for purpose of input adjustment is 5.0 inches water column natural gas and 11.0 inches water column propane. Maximum inlet gas supply pressures is 10.5 inches w.c. natural gas and 13.0 inches w.c. propane. For the purpose of input adjustment, inlet gas supply pressure should be 7.0 inches w.c. natural gas and 11.0 inches w.c. propane and manifold pressure should be set at 3.5 inches w.c. and 10.0 inches w.c. respectively.

A 1/8 inch N.P.T. plugged tapping is provided on the outlet side of the gas control for a test gauge connection to measure the manifold pressure. Provisions must be made to attach a test gauge to a 1/8 - inch NPT plugged tapping immediately upstream of the gas supply connection to the appliance to measure inlet pressure.

The appliance and its individual shut off valve must be disconnected from the gas supply piping system during any pressure testing of the system at test pressures in excess of 1/2 psig (3.45 kPa).

This appliance must be isolated from the gas supply piping system by closing its individual manual shut off valve during any pressure testing of the gas supply piping system at test pressures equal to or less than 1/2 psig (3.45 kPa).

2.0 INSTALLATION PRECAUTIONS

This Top Vent Gas Fireplace and its components are tested and safe when installed in accordance with this Installation Manual. Report to your Dealer any parts damaged in shipment, specifically check glass condition. The gas logs are installed in the unit. **The front surround is packaged separately.** Read all instructions before starting installation and follow these instructions carefully during installation to insure maximum benefit and safety. Failure to follow them will void your warranty and may present a fire hazard.

The Heat-N-Glo Fireplace Products, Inc. warranty will be voided by, and Heat-N-Glo Fireplace Products, Inc. disclaims any responsibility for, the following actions:

- Installation of any damaged fireplace or vent system component
- Modification of the fireplace or direct vent system installation other than as instructed by Heat-N-Glo Fireplace Products, Inc.
- Improper positioning of the gas logs or the glass door.
- Installation and/or use of any component part not manufactured or approved by Heat-N-Glo Fireplace Products, Inc., not withstanding any independent testing laboratory or other party approval of such component part or accessory.

ANY SUCH ACTION MAY POSSIBLY CAUSE A FIRE HAZARD.

Consult your local building codes.

THIS FIREPLACE MUST BE TOP VENTED WITH 4 INCH B-TYPE VENT PIPE, 4-INCH LISTED SINGLE WALL RIGID, OR 4 INCH LISTED SINGLE WALL FLEXIBLE GAS VENT, AND MUST NEVER BE ATTACHED TO A CHIMNEY SERVING A SOLID FUEL BURNING APPLIANCE.

NEGATIVE PRESSURE WARNING

The causes of negative pressure to a house can include the following:

- stack effect in the building
- exhaust only appliances (mechanically and atmospherically vented)
- inadequate make up air

When the negative pressure is present, an atmospherically vented fireplace (with a draft hood) may not function properly and it may down draft. In the case of a gas appliance, spillage of the combustion gases may occur. This may create a dangerous carbon monoxide situation in the house.

It is recommended that all top venting non-air tight gas fireplaces have outside air connected to them. This will help for proper drafting, but may be only part of the solution.

The building needs to be mechanically or passively balanced for atmospherically vented appliance, such as top vented gas fireplace with draft hoods, to draft properly.

Two separate bags of ember materials are shipped with this unit. The bag labeled Golden Ember (GE-93) is

flame colorant material. The bag labeled Glowing Ember (050-721) is standard glowing ember material.

INITIAL SET-UP: Alternately place a single layer of dime size and shape pieces of Golden Ember (GE-93) and Glowing Ember (050-721) onto the top of the lower burner ember screen. See Figure 1.

Save the remaining ember materials for use during fireplace servicing.

FIREPLACE SERVICING: Frequency of fireplace servicing will depend upon use and type of installation.

Carefully brush away or vacuum up any loose materials on the lower burner ember screen. Alternately place dime size and shape pieces of Golden Ember (GE-93) flame colorant replacement material and Glowing Ember (050-721) standard ember material onto any open areas on top of the ember screen.

Save remaining ember materials and repeat this procedure at the next fireplace servicing.

NOTE: It may be necessary to clean the glass door after replenishing the flame colorant material. Film deposits on the inside of the glass door should be cleaned off using a household glass cleaner. **DO NOT** handle or attempt to clean the glass when it is **HOT**.

Replace the glass door and trim assemblies. See Figure 3 for proper log positioning.

GAS LOG POSITIONING

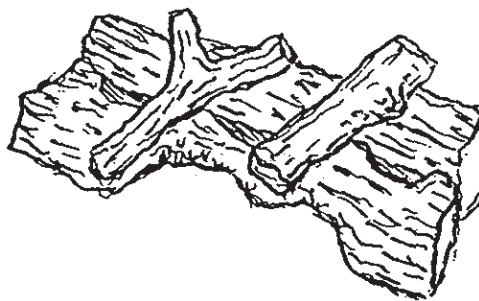


FIGURE 3

WARNING: THE GLASS FRONT ASSEMBLY MUST BE IN PLACE AND THE TRIM ASSEMBLY MUST BE IN PLACE ON THE FIREPLACE BEFORE THE UNIT CAN BE PLACED INTO SAFE OPERATION.

Prior to first firing, read Operations Instructions section of this manual.

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

Due to high temperature, the appliance should be located out of traffic areas and away from furniture and draperies. Clothing or flammable material should not be placed on or near the appliance.

3.0 INSTALLATION INSTRUCTIONS

In planning the installation for the fireplace insert it is necessary to determine where the unit is to be installed and the routing of the vent system. Optional remote control or wall switch accessories and gas supply piping should also be planned.

This model has a factory installed fan with an electrical power chord which must be plugged into a grounded, 110 VAC wall outlet.

The front surround is shipped in a separate carton and is attached after the insert has been installed.

This model (natural gas and propane) can be installed in a bedroom (in the United States only) which has a total volume of unconfined space appropriate to the particular installation. Refer to the National Fuel Gas Code ANSI Z223.1/NFPA 54 - (current edition) The Uniform Mechanical Code - (current edition), and Local Building Officials for the options allowed in obtaining an effective bedroom volume of unconfined space.

3.1 VENTING THE UNIT

This model is designed to be connected to a listed 4-inch diameter, stainless steel or aluminum flexible gas vent with a top termination. 4-inch B-type or listed 4-inch rigid single-wall gas vent may also be used. Refer to and follow the manufacturer's Installation Instructions provided with the flex-liner kit obtained. An approved flex-liner kit (Model FP1-04) is available from your Dealer.

CAUTION: TO AVOID DOWNDRAFTS AND/OR COLD AIR PROBLEMS, IT IS RECOMMENDED TO SEAL OFF THE AREA BETWEEN THE CHIMNEY LINER AND THE TOP OF THE SOLID-FUEL CHIMNEY OPENING INTO WHICH THE LINER HAS BEEN INSTALLED.

Consult your local building codes and officials for proper installation.

NOTE: Removal of the fireplace flue damper might be required for installation of the flexible vent.

3.1.1 CONNECTING THE VENT SYSTEM COMPONENTS

Connect the flexible vent to the flue outlet collar and secure it to the fireplace with a minimum of three sheetmetal screws. See Figure 4.

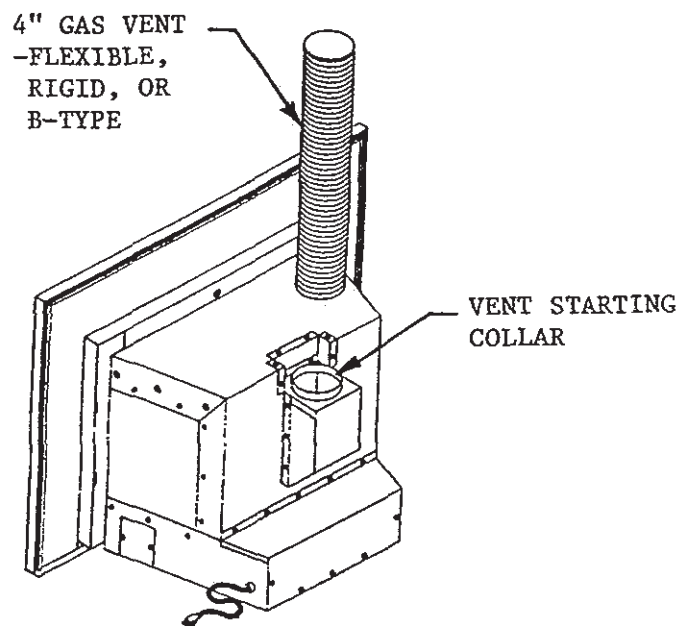
Continue to add vent components, per vent Manufacturer's Installation Instructions, until the vent run is completed.

NOTE: THE VENT TERMINATION MUST BE IN A VERTICAL POSITION.

Consult Local Building Code Officials and Codes for proper vent system installations.

WARNING: THIS GAS FIREPLACE MUST NEVER BE VENTED BY CONNECTING TO A CHIMNEY FLUE SERVING A SEPARATE SOLID FUEL BURNING APPLIANCE.

CAUTION: Prior to adjusting the unit to its final position, please read the next three (3) sections of this manual. 3.2 CONNECTING THE GAS LINE; 3.3 LEVELING THE UNIT; 3.4 ELECTRICAL WIRING.



-7- FIGURE 4

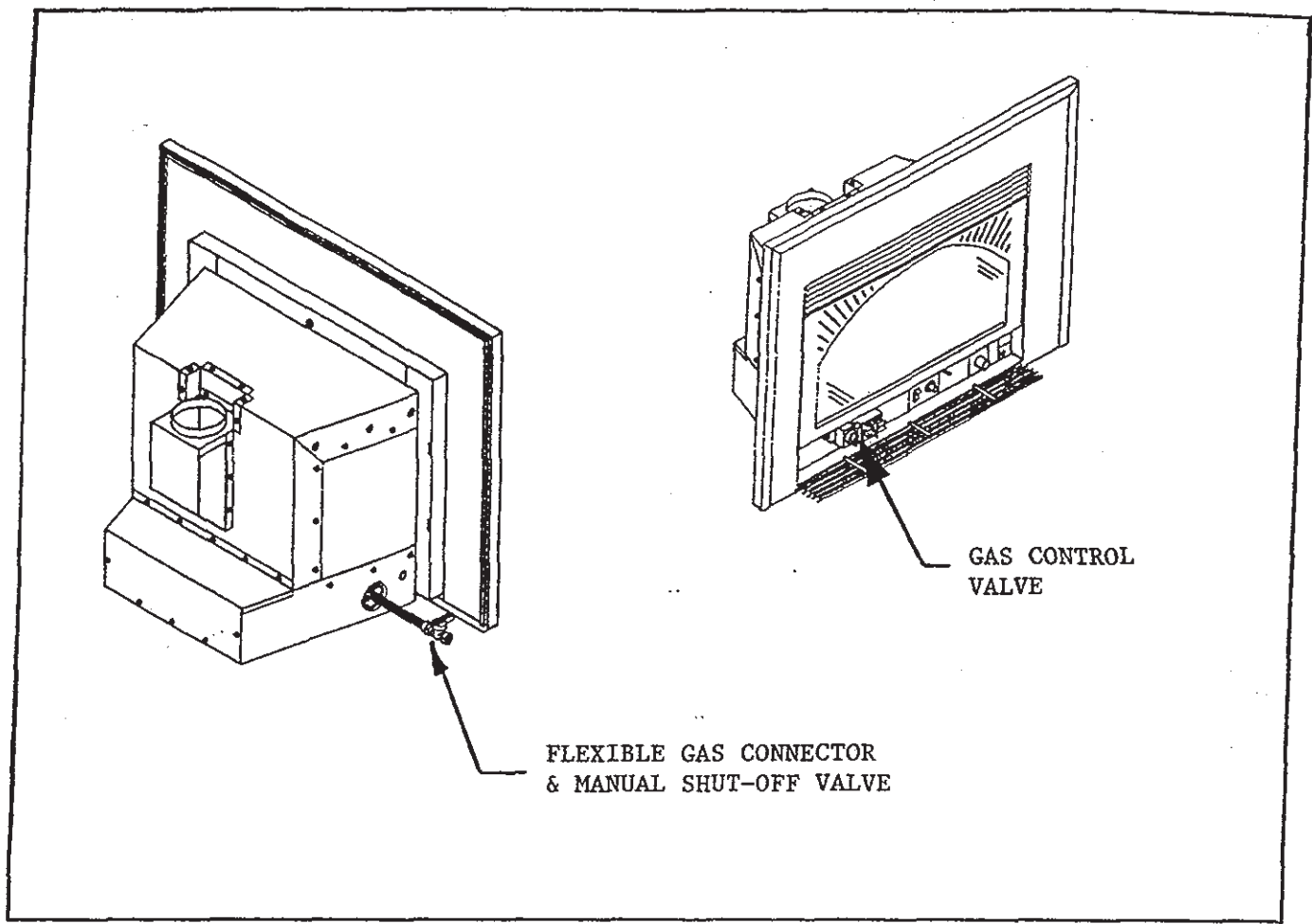


FIGURE 5

3.2 CONNECTING THE GAS LINE

This model is designed accept a 1/2 inch gas line for a listed gas appliance. Have the gas line installed by a qualified service person in accordance with all building codes. Consult local building codes to properly size the gas supply line leading to the 1/2 inch hook-up at the unit.

A listed 1/2-inch manual shut-off valve and flexible connector are connected to the 3/8-inch inlet of the control valve. A 1/8-inch N.P.T. plugged tapping, accessible for test gauge connection, should be provided for in the gas supply line leading to the unit's shut-off valve.

Locate the gas line access hole in the left outer casing of the insert (Figure 5). Next, insert the gas supply line through the gas line hole from the outside of the fireplace and connect it to the gas valve. Support the flexible connector when attaching the supply line to the shut-off valve. A coiled copper tubing (internally tinned) can be used as the supply line inside the masonry fireplace. After the gas pipe installation is complete, check carefully all gas connections for leaks with a soap solution. **DO NOT USE AN OPEN FLAME.** Use insula-

tion to repack the space around the pipe. This should be inserted from the outside of the fireplace and packed tightly to totally seal between the pipe and the outer casing.

NOTE: THE GAS SUPPLY LINE SHOULD BE PURGED OF ANY TRAPPED AIR PRIOR TO THE FIRST FIRING OF THE UNIT.

3.3 LEVELING THE UNIT

Two (2) leveling nuts are attached to the base pan of the appliance (behind the lower grille). Insert two (2) 5/16-25 bolts through the bottom of the unit's base pan to level the unit as needed.

NOTE: If the leveling bolts are used to raise the back of the insert, it is recommended that an additional support piece be placed under the unit base pan.

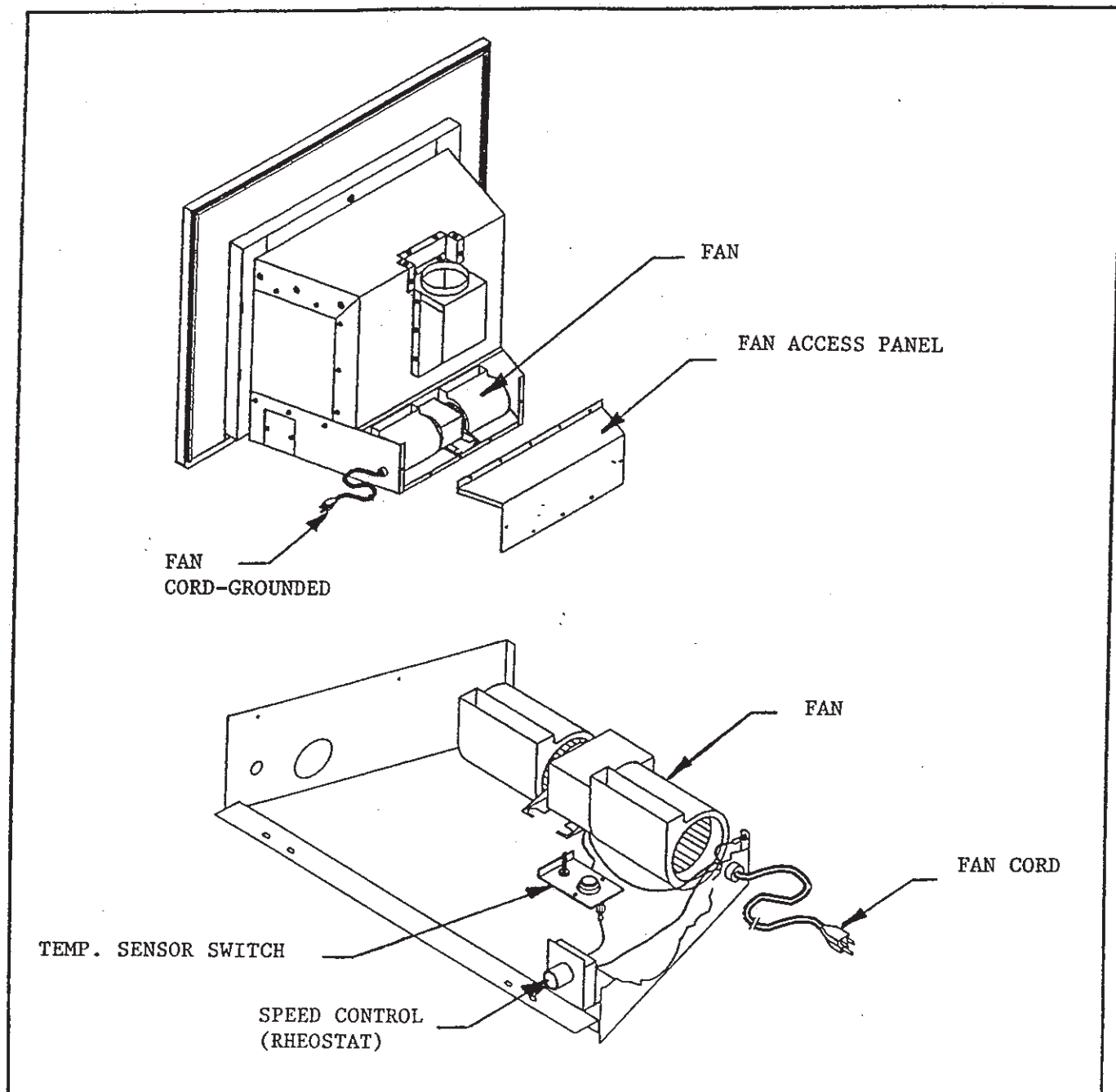


FIGURE 6

3.4 ELECTRICAL WIRING

BLOWER

This model has a factory installed Blower, variable speed ON/OFF Rheostat Control Switch, and Temperature Sensor Switch for the Blower. To provide the 110-120 VAC, 60 HZ needed by the fan, simply plug the 3-prong grounded cord into a 3-prong grounded 110-120 VAC, 60 HZ wall outlet. This cord exits the unit at the

lower right hand front surround corner. To operate the Blower, turn the Rheostat Switch "ON" to a desired setting. The Temperature Sensor Switch will automatically turn the blower ON when the unit warms up. Blower access is gained by removing the access plate on the back of the unit. NOTE: The insert must be disconnected from the gas and electrical supplies and the vent pipe, and removed from the fireplace to access the blower. See Figure 6.

FIREPLACE INSERT WIRING DIAGRAM

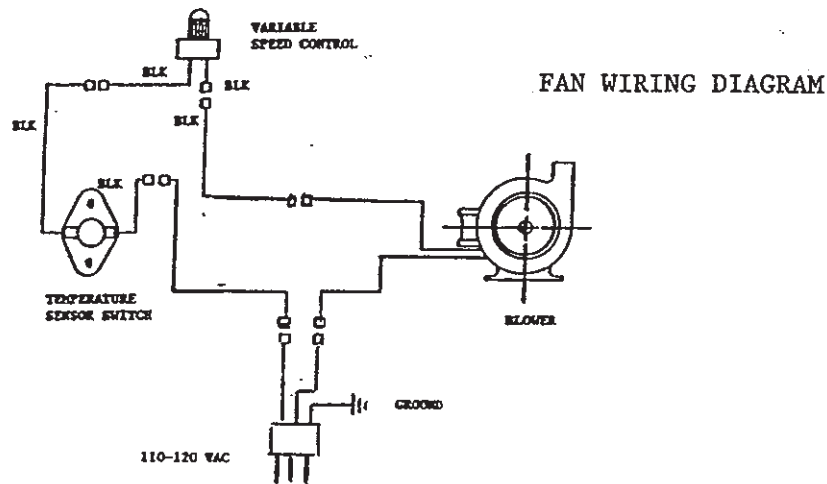
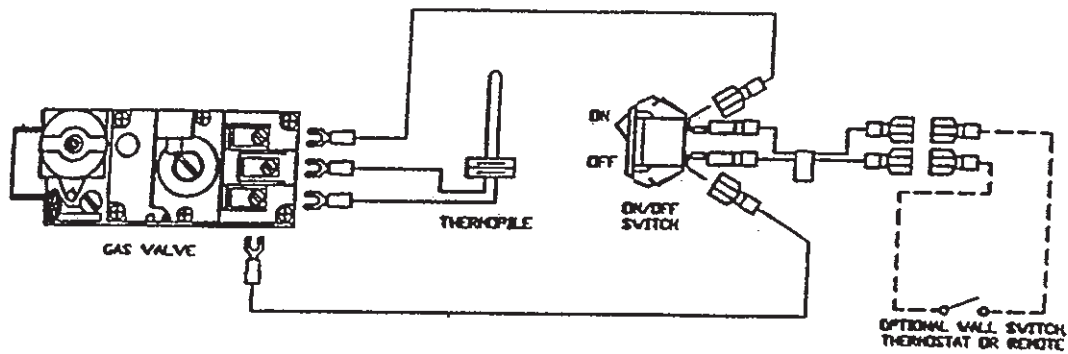


FIGURE 7

REMOTE CONTROL

A hand held remote control kit (RCH-09A) is available. Plug the receiver into a nearby 110-120VAC 60Hz wall outlet. Run the two wires from the receiver into the insert's base pan cavity (behind the lower grille) and connect them to the unit's ON/OFF rocker switch pigtail wires. Turn the ON/OFF switch to "OFF" and activate the main burner with the RCH-09A hand held transmitter.

WALL SWITCH

A Wall Switch Kit (WSK-21) for turning the fireplace ON/OFF is also available. This kit does **NOT** require 110 VAC. Connect the low voltage wires from the wall

switch to the red and brown pigtail wires from the ON/OFF rocker switch. These wires are labeled "FOR REMOTE OR WALL SWITCH ONLY". Turn the unit's ON/OFF rocker switch to the "OFF" position to use the wall switch.

NOTE: POSITION THE WALL SWITCH SO THAT A MAXIMUM OF 25 FEET OR LESS OF WIRING FROM THE SWITCH TO THE FIREPLACE IS USED.

WARNING: DO NOT CONNECT 110-120 VAC TO THE GAS CONTROL VALVE OR CONTROL WIRING SYSTEM OF THIS UNIT.

Figure 7 shows the appliance wiring diagram and fan wiring diagram.

3.5 INSTALLING THE SURROUND

NOTE: REMOVE FRONT TRIM DOOR AND GLASS DOOR ASSEMBLIES FROM THE INSERT BEFORE SURROUND INSTALLATION.

1. Remove the four (4) screws attaching the lower grill to the unit and remove the lower grill.
2. Find the coiled low voltage wires and ON/OFF switch attached to outer right side of the insert. See Figure 8.
3. Disconnect the ON/OFF switch from the low voltage wire leads, and insert the short wires of the ON/OFF switch through the hole at the upper right corner of the surround and push the back of the switch through the hole-it will be retained in the hole.
4. Run the low voltage lead wires up the back of the right side of the surround and secure them with the three wire ties found there. Re-connect the low voltage wires to the short wire of the ON/OFF switch.

5. Remove and retain the four surround attachment screws at the corners of the face of the unit. See Figure 8.

6. Slide the surround against the face of the unit, aligning the holes in upper and lower, right and left corners and secure the surround to the unit with the attachment screws.

7. Re-attach the lower grill to the unit.

8. Install the upper grill on the hooks at the top of the surround.

NOTE: PLACE THE THREE INSULATION PIECES INTO THE CAVITIES AT THE BACK OF THE SURROUND BEFORE POSITIONING INSERT INTO THE FACTORY-BUILT OR MASONRY FIREPLACE. THIS INSULATION WILL HELP SEAL FOR COLD AIR LEAKS.

Place the flue draffhood tube into the hole at the center of the surround. Venting operation can be observed by holding a small flame at this relief opening to the room (center hole of the surround). See Figure 8.

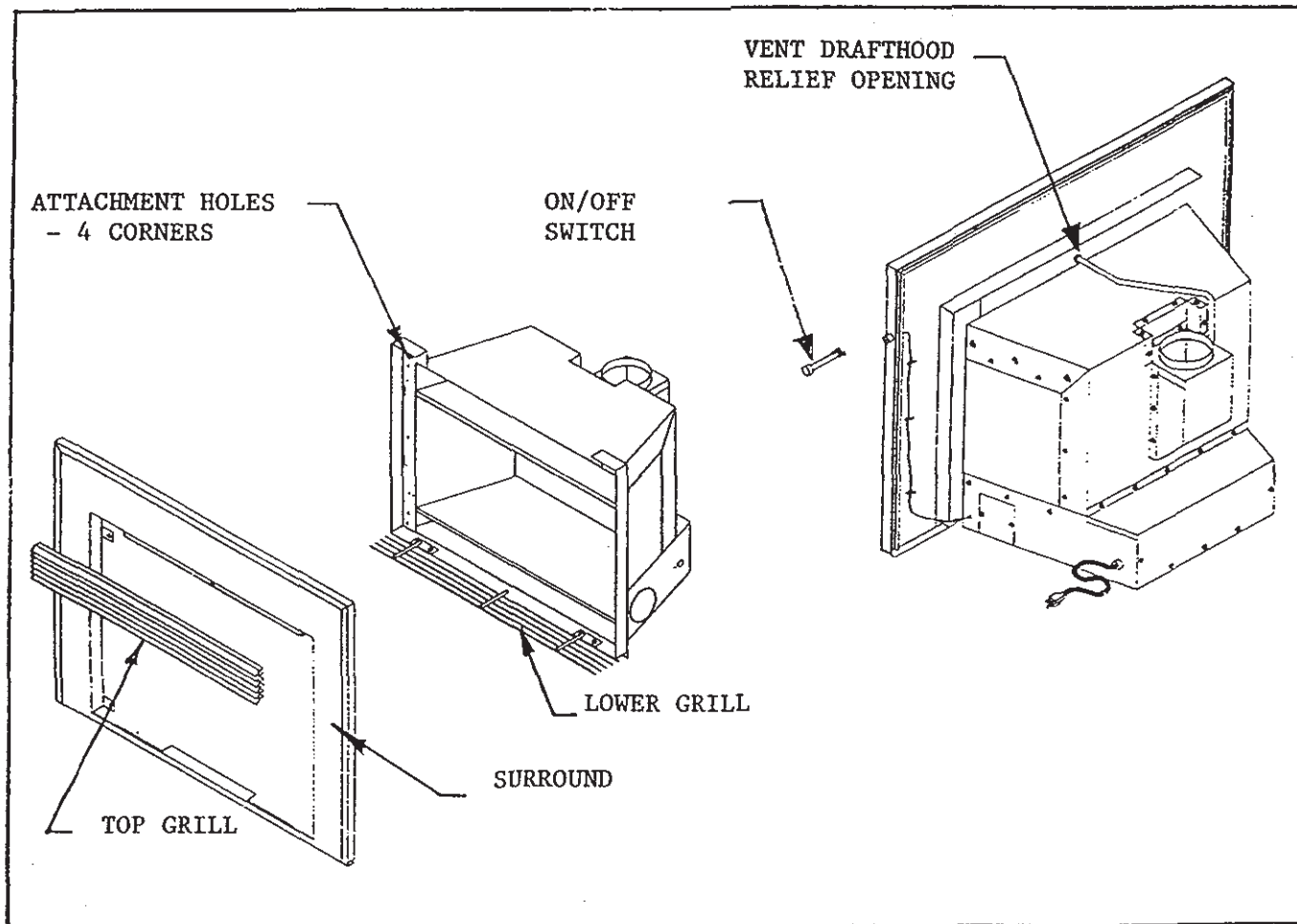


FIGURE 8

3.6 FINISHING

Do not install a combustible mantel or other combustible projection above the insert opening unless it is a minimum of 14 inches above the top front edge of the unit (Figure 9).

When finishing the fireplace NEVER OBSTRUCT OR MODIFY THE AIR INLETS/OUTLET GRILLES OF THE INSERT IN ANY MANNER.

CAUTION: ONLY NON-COMBUSTIBLE MATERIAL CAN BE APPLIED AS FACING TO THE INSERT SURROUND.

3.7 HEARTH EXTENSION

While a hearth extension may be desirable for aesthetic reasons, it is not required for decorative gas appliances per ANSI or CAN/CGA Testing Standards.

3.8 OUTSIDE MAKE-UP AIR

This Model has an outside make-up air duct located on the underside of the combustion box (behind the lower grille). Make-up air, if installed in the fireplace into which this insert is installed, will be directed through this air duct to the underside of the insert.

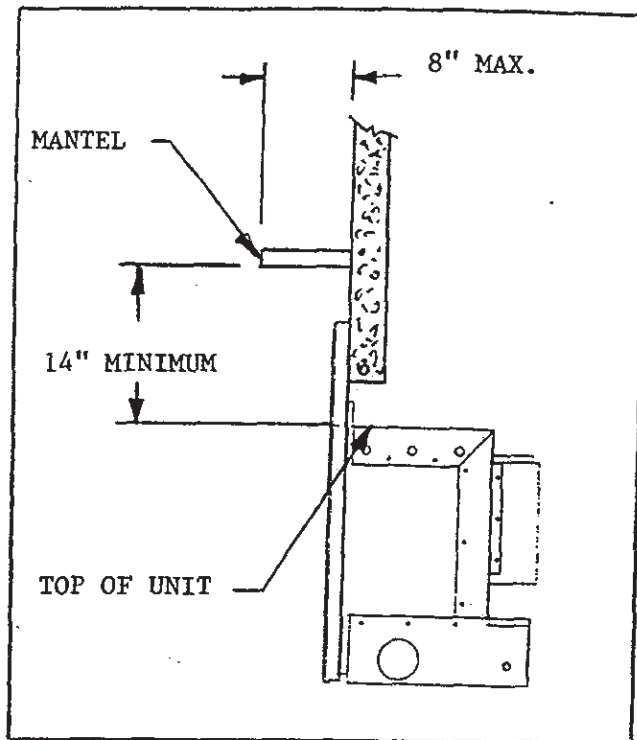


FIGURE 9

4.0 ELECTRICAL SAFETY SYSTEM

WARNING: DO NOT CONNECT 110-120VAC CURRENT TO THE GAS CONTROL VALVE OR CONTROL WIRING SYSTEM OF THIS UNIT.

The gas control system is wired so the thermopile, when heated with the pilot light, will activate the gas control valve. (Figure 10). The main burner is activated by the ON/OFF switch.

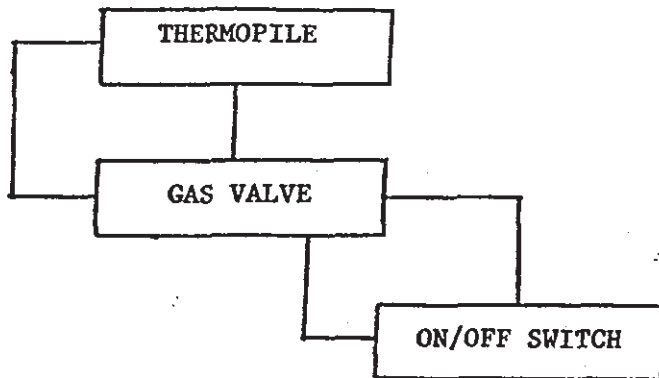


FIGURE 10

5.0 OPERATING GUIDELINES AND MAINTENANCE INSTRUCTIONS

Upon completing the gas line connection, a small amount of air will be in the lines. When first lighting the pilot light, it will take a few minutes for the lines to purge themselves of this air. Once the purging is complete, the pilot and burner will light and operate as indicated in the instruction manual. Subsequent lighting of the appliance will not require such purging.

CAUTION: DURING THE INITIAL PURGING AND SUBSEQUENT LIGHTING, NEVER ALLOW THE GAS VALVE CONTROL KNOB TO REMAIN DEPRESSED IN THE "PILOT" POSITION WITH OUT PUSHING THE RED IGNITOR BUTTON AT LEAST ONCE EVERY SECOND.

When lit for the first time, the appliance will emit a slight odor for an hour or two. This is due to paint and lubricants used in the manufacturing process. Additionally, for the first few minutes after each lighting, vapor may condense and fog the glass and the flames may be blue. After a few minutes this moisture will disappear and within 15-30 minutes the flames should become yellow.

The fireplace may produce a noise, caused from metal expansion and contraction as it heats up and cools down. This noise is similar to one that a furnace or

heat duct may produce and does not affect the operation or longevity of the fireplace. Keep the control compartment, logs and burner area surrounding the logs clean by vacuuming or brushing at least twice a year.

CAUTION: THE LOGS CAN GET VERY HOT-HANDLE ONLY WHEN COOL.

Always turn off gas to the pilot before cleaning. For relighting, refer to lighting instructions located behind the lower front grill assembly.

The appliance and venting system should be inspected before initial use and at least annually by a qualified field service person.

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

Never obstruct the flow of combustion and ventilation air. Keep the front of the appliance clear of all obstacles and materials.

To obtain proper operation, it is imperative that the pilot and main burner flame characteristics are steady, not lifting or floating. Typically the top 3/8 inch at the pilot generator should be engulfed in the pilot flame. (Figure 11).

WARNING: CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURE AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION. YOUNG CHILDREN SHOULD BE CAREFULLY SUPERVISED WHEN THEY ARE IN THE SAME ROOM AS THE APPLIANCE.

IMPORTANT: TURN OFF GAS BEFORE SERVICING APPLIANCE. IT IS RECOMMENDED THAT A COMPETENT SERVICE TECHNICIAN PERFORM THESE CHECKUPS AT THE BEGINNING OF EACH HEATING SEASON.

Inspect the external vent cap on a regular basis to make sure that no debris is interfering with the air flow.

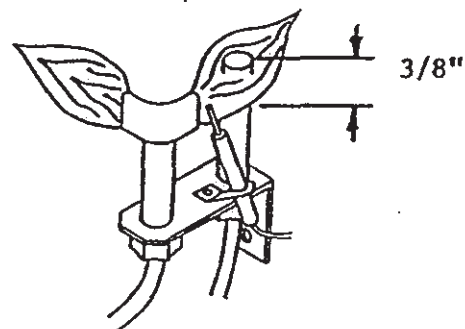


FIGURE 11

5.1 GLASS DOOR REMOVAL

1. To remove the glass door, the front trim door must be removed first. To do this, lift up and pull the trim door out from the unit.
2. Noting carefully how the top bracket fits on the glass, remove the 2 screws (1 each side) and the bracket.
3. Lift the glass up and out from the unit.

5.2 CLEANING BURNER AND PILOT

In order to properly clean the burner and pilot assembly, turn off the gas to the unit and remove the logs exposing the burner and pilot assembly.

Clean all foreign materials from top of burner. Check to make sure that burner orifice is clean.

Visually inspect the pilot periodically. Brush or blow away any dust or linen accumulations. If the pilot orifice is plugged, disassembly may be required to remove any foreign material from orifice or tubing. When the appliance is put back in service check burner flame patterns with Figure 12.

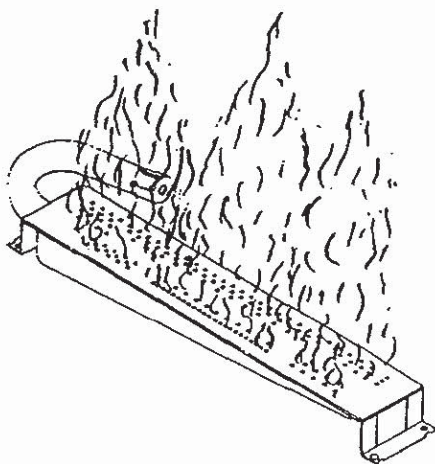


FIGURE 12

5.3 LOG REPLACEMENT

1. Remove the trim and glass door assemblies. (See Section 5.1.)
2. The Log(s) can now be removed as required. Replace the log(s) as previously shown in Figure 3, Gas Log Positioning. Replace glass door and trim door.

5.4 GLASS DOOR REPLACEMENT

1. Before replacing the glass door make sure the logs are properly positioned.
2. Center the glass door, push it against the unit and at the same time put the bracket on the upper portion of the door. Secure the bracket with the 2 screws provided.
3. Replace the trim door proceeding in reverse order of step 1 under Glass Door Removal.

WARNING: THE GLASS DOOR ASSEMBLY MUST BE IN PLACE AND THE TRIM ASSEMBLY MUST BE IN PLACE ON THE FIREPLACE BEFORE THE UNIT CAN BE PLACED INTO SAFE OPERATION.

6.0 LIGHTING AND SAFETY INSTRUCTIONS

This model has a gas control valve which allows you to increase or decrease the height of the main burner flame. The control valve has a pressure regulator with a knob as shown in Figure 13. Rotate the knob clockwise to "HI" to increase the flame height and counter-clockwise to "LO" to decrease the flame height.

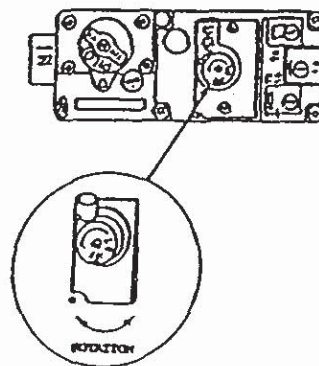


FIGURE 13

6.1 SAFETY INFORMATION

FOR YOUR SAFETY READ BEFORE LIGHTING

WARNING: IF YOU DO NOT FOLLOW THESE INSTRUCTIONS EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY, OR LOSS OF LIFE.

- A. This appliance has a pilot. When lighting the pilot, follow these instructions exactly.
- B. BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.
- C. Use only your hand to push in 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 service technician. Forced 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 gas control system which has been under water.

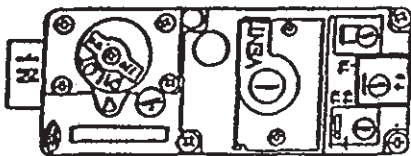
WHAT TO DO IF YOU SMELL GAS

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

6.2 LIGHTING INSTRUCTIONS

LIGHTING INSTRUCTIONS

1. "STOP!" Read the safety information on previous page.
2. To access controls, rotate the bottom grille down.
3. Pull air damper lever to the left to set damper in the "OPEN" position.
4. Turn the valve control knob to the "OFF" position. To do this, you must turn the knob clockwise to the "Pilot" position, and then press in and continue turning clockwise to the "OFF" position.



GAS CONTROL VALVE

NOTE: Knob cannot be turned from "PILOT" to "OFF" unless knob is pushed in slightly. Do not force.

5. WAIT FIVE (5) MINUTES TO CLEAR OUT ANY GAS. Then smell for gas, including near the floor. If you then smell gas, STOP! Follow "B" in the safety information above. If you don't smell gas, go to the next step.
6. The pilot should not require accessing for lighting purposes. The pilot is located inside the combustion chamber. If it is necessary to access the pilot, follow the instructions in Section 5.1 and 5.4 for glass door removal and replacement.

THERMOPILE

PILOT BURNER



7. To put the control in the "Pilot" position, turn the control knob counter-clockwise to the "Pilot" position.
8. To light the pilot depress the control knob and then depress the red piezo button until it makes a clicking sound. It may be necessary to repeat this step. If the pilot does not light after 10 seconds, go back to step 3. The control knob should be held down for a MINUTE after pilot ignition.
 - If the control knob does not pop out when released, **STOP**-shut off the gas supply to the fireplace control valve, and **IMMEDIATELY** call your service technician or gas supplier.
 - If the pilot will not stay lit after two tries, turn the control knob to the "OFF" position and call your service technician or gas supplier.
9. After the pilot has been lit, the burner can be turned on by turning the knob counter-clockwise to the "ON" position. Flip the ON/OFF switch to the "ON" position.
10. Close the bottom grille.

TO TURN OFF GAS APPLIANCE

1. Open the bottom grille.
2. Turn ON/OFF switch to "OFF".
3. Turn the valve control knob clockwise to the "Pilot" position, then depress knob and continue turning to "OFF" position.
4. Close air damper.
5. Close the bottom grille.

NOTE: TO PREVENT OVERHEATING THE UNIT, THE TIPS OF THE FLAMES SHOULD NEVER HIT THE TOP OF THE FIREBOX. CONTACT YOUR DEALER OR A QUALIFIED SERVICE PERSON IF ADJUSTMENTS TO THE UNIT MUST BE MADE.

LPG (PROPANE) WARNING

THE FOLLOWING WARNING APPLIES TO INSTALLATIONS USING L.P. (PROPANE) GAS:

WARNING: To avoid possible injury, fire and explosion, please read and follow these precautions and all instructions on this appliance before lighting the pilot. This appliance uses L.P. (Propane) gas which is heavier than air and will remain at floor level if there is a leak. Before lighting, smell at floor level and/or use other means (such as using a soap solution on all piping and connections, using a gas detector, etc.) to check for gas leaks. **NOTE: L.P. (Propane) gas can become odorless and CANNOT always be detected by smell.** If you smell gas, detect a gas leak, or suspect that a gas leak exists, follow these rules.

1. Get all people out of building.
2. **DO NOT** light matches. **DO NOT** turn electric lights or switches on or off in area. **DO NOT** use an electric fan to remove gas from area. **DO NOT** use a telephone inside the building.
3. Shut off gas at L.P. tank outside of building.
4. Telephone gas company and fire department. Ask instructions.

Before hanging up, give your name, address, and phone number. **DO NOT** go back into building.

If your L.P. tank runs out of fuel, turn off gas at the appliance. After L.P. tank is refilled, appliance must be re-lit according to manufacturer's instructions. If the gas control has been exposed to **WATER** in any way, **DO NOT** try to use it. It must be replaced. **DO NOT** attempt repair on gas control or appliance.

Tampering is **DANGEROUS** and voids all warranties. Any component that is found to be faulty, must be replaced with an approved component.

7.0 HIGH ALTITUDE INSTALLATION

A.G.A. Design Certified units are tested and approved for elevations from 0-2000 feet. CGA approved units are certified for elevations from 0-4500 feet.

When installing this unit at an elevation above 2000 feet, (in United States) it may be necessary to decrease the input rating by changing the existing burner orifice to a smaller size. Input should be reduced 4 percent for each 1000 feet above sea level. Check with your local gas company for help in determining proper orifice size.

When installing this unit at an elevation between 2000-4500 feet (in Canada) the input rating must be reduced by 10 percent.

When installing this unit at an elevation above 4500 (in Canada), check with local authorities.

Consult your local gas company for assistance in determining the proper orifice for your location.

8.0 TROUBLE SHOOTING - SL-INSERT

With proper installation and maintenance, your new Gas Fireplace should provide years of trouble-free service. If you do experience a problem, refer to the Trouble Shooting Guide below. This guide will assist a qualified service person in the diagnosis of problems and the corrective action to be taken.

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
I. Spark Ignitor will not light pilot after repeated triggering of red button.	A. Defective ignitor (no spark at electrode).	1. Check for spark at electrode and pilot; if no spark and electrode wire is properly connected, replace ignitor.
	B. Defective pilot or misaligned electrode (spark at electrode).	1. Using a match, light pilot. If pilot lights, turn off pilot and trigger the red button again. If pilot lights, an improper gas/air mixture caused the bad lighting and a longer purge period is recommended. If pilot will not light - check gas at electrode and pilot - should be 1/8 inch (3.2mm) to have a strong spark. If OK, replace pilot.
	C. No gas or low gas pressure.	1. Check the unit's shut-off valve remote shut-off valves from fireplace. Usually there is a valve near the fireplace and sometimes there is a valve near the main. There can be more than one (1) valve between the fireplace and main. 2. Low pressure can be caused by a variety of situations such as a bent line, too narrow diameter of pipe or even low line pressure. Check for kinked lines. If none, consult with plumber or gas supplier.
	D. No L.P. in tank.	1. Check L.P. (propane) tank. You may be out of fuel.
II. Pilot will not stay lit after carefully following lighting instructions.	A. Defective thermopile.	1. Check pilot flame. Must impinge on thermopile. Clean and or adjust pilot for maximum flame impingement on thermopile. 2. Be sure wire connections from thermopile at gas valve terminals are tight and thermopile is fully inserted into pilot bracket.

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
III. Pilot burning, no gas burner, valve knob "ON", "on-off" switch "ON".	B. Defective valve.	<p>3. Check thermopile with millivolt meter. Take reading at "TH-TP&TP" terminals of gas valve. Should read 325 millivolts minimum while holding valve knob depressed in pilot position, pilot lit, and on/off switch "OFF". Replace faulty thermopile if reading is below specified minimum.</p> <p>1. Turn green knob to pilot position, depress and light pilot light. If meter reading is less than 325 m.v. after 30 second, or if the pilot does not stay lit, the valve is defective.</p>
	C. Open wire connection in pilot circuit.	1. Check wire continuity and connections in pilot circuit.
	A. "ON/OFF" switch or wires defective.	1. Check "on-off" switch and wires for proper connections. Place jumper wires across terminals at switch-if burner comes on, replace defective switch. If OK, place jumper wires across switch wires at gas valve-if burner comes on, wires are faulty or connections are bad.
	B. Thermopile may not generating sufficient millivoltage. (325m.v.).	<p>1. Recheck Symptom #2.</p> <p>2. Pilot flame not physically close enough to thermopile.</p>
	C. Defective valve.	1. Turn valve knob to "ON". Place ON/OFF switch to "ON". Check with millivolt meter at thermopile terminals. Millivolt meter should read greater than 100 m.v. If the reading is okay and the burner does not come on, replace the gas valve.
	D. Plugged burner orifice.	1. Check burner orifice for stoppage and remove.
	E. Wall switch or wires defective.	1. Follow corrective action in A.1 above; check switch and wiring. Replace where defective.

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
IV. Frequent pilot outage problem.	A. Pilot flame may be too low or blowing (high), causing the pilot safety to drop out.	1. Clean and adjust pilot flame for maximum flame impingement on thermopile.
V. Pilot and main burner go out while being in operation.	A. No incoming fuel supply.	1. Check incoming gas supply. You may be out of fuel.
	B. Bad Thermopile.	1. Replace if necessary.
	C. Improper vent cap installation.	1. Check for proper installation and freedom from debris or blockage.
VI. Glass Soots	A. Flame impingement on logs.	1. Adjust the log set so the flame does not impinge on it.
	B. Improper venturi setting.	1. Adjust the air shutter at the base of the burner.
	C. Debris around venturi.	1. Inspect the opening at the base of the burner. It is imperative that NO material be placed in this opening.
VII. Flame burns blue and lifts off burner.	A. Insufficient oxygen being supplied.	1. Check to make sure vent cap is installed properly.
		2. Check to make sure that the debris has not been improperly placed at the base of the burner.
		3. Be sure the inlet air damper is in the open position.

LIMITED 10 YEAR WARRANTY HEAT-N-GLO GAS FIREPLACE PRODUCTS

In order to presumptively establish the dates to which your HEAT-N-GLO Limited 10 Year Warranty runs, you must mail the completed warranty card to HEAT-N-GLO FIREPLACE PRODUCTS, INC., 6665 West Highway 13, Savage, MN 55378, within 60 days of the date of fireplace installation. If you fail to do so, you may be required to prove the date of installation before warranty work can be performed.

The warranty exclusions and limitations of liability are effective upon installation of the fireplace.

Subject to the conditions set forth herein, HEAT-N-GLO FIREPLACE PRODUCTS, INC. ("HEAT-N-GLO") extends the following warranty with respect to HEAT-N-GLO Gas Fireplace Products.

If HEAT-N-GLO is reasonably satisfied that any part or portion of the fireplace covered by this Limited Warranty is defective in material or workmanship under normal use and service as described in the Operating Instructions, HEAT-N-GLO will take the following actions:

1. If the defect is reported during the first year from the date of installation (stainless steel burners and fiber logs are covered for 3 years), HEAT-N-GLO will replace or repair the defective components at its sole expense. The decision whether to replace a component shall be made at HEAT-N-GLO's sole discretion. This Limited Warranty does not cover components broken during shipping, misuse or careless handling. HEAT-N-GLO shall be not responsible for any indirect, incidental, or consequential damages or for any costs other than those incurred by HEAT-N-GLO to repair or replace the defective component. If components (including venting) other than factory approved components are used, all warranty and liability on the fireplace is voided. **Defects reported after the first year will not be covered by warranty unless they fall within the purview of paragraph 2 or 3 below.**
2. If the following defects are reported during the second year after the date of installation, HEAT-N-GLO will supply replacement parts at the current wholesale price: defective electrical or manual components, optional components or accessories, and glass panels (not including glass panels broken during misuse or careless handling). HEAT-N-GLO shall not be responsible for any labor, transportation or other costs. Furthermore, it shall not be liable for any indirect, incidental or consequential damages.
3. HEAT-N-GLO will replace or repair a defective firebox or heat exchanger, at any time during the 10 years from the date of installation. The decision whether to replace the defective component shall be made at HEAT-N-GLO's sole discretion. HEAT-N-GLO shall not be responsible for any indirect, incidental or consequential damages or for any costs other than those incurred by HEAT-N-GLO to repair or replace the defective component.

This Limited Warranty is the exclusive remedy available to you. If HEAT-N-GLO cannot effectively resolve a warranty problem in an expedient and cost-effective manner, it can discharge its entire warranty liability by refunding the price of the product to you.

Products made by other manufacturers, whether sold with the fireplace or added thereafter, are NOT covered by this Limited Warranty. The use of other unauthorized components will make this warranty null and void. This Limited Warranty will also be void if the appliance is not installed by a qualified installer in accordance with the Installation Instructions. Furthermore, the Limited Warranty will be void if the fireplace is not operated, at all times, according to the Operating Instructions furnished with the fireplace. Any service work must be performed by authorized service representatives.

EXCEPT TO THE EXTENT PROVIDED BY LAW, NO OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY TO THE FIREPLACE PRODUCT. In States that do not allow limitations on how long an implied warranty lasts, or do not allow exclusion of indirect damages, those limitations or exclusions may not apply to you. You may also have additional rights not covered in this Limited Warranty.

HEAT-N-GLO reserves the right to make changes at any time, without notice, in design, material, specifications and prices. It also reserves the right to discontinue styles and products.