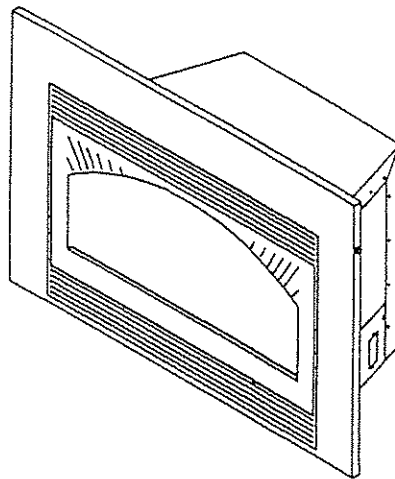




This appliance has been retired.
Service parts pages within have been removed.
For replacement parts, please refer to the individual
service parts list located on the brand websites.



PATENTS PENDING

**MODEL AT-SUPREME
MODEL AT-INSERT
INSTALLATION AND OPERATION
INSTRUCTIONS**



**A.G.A. DESIGN CERTIFIED
CGA CERTIFIED**



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

Heat-N-Glo Fireplace Products, Inc.
6665 West Highway 13, Savage, MN 55378 (612) 890-8367

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INSTALLATION AND OPERATION INSTRUCTIONS

PLEASE READ THIS MANUAL BEFORE INSTALLING AND USING THE FIREPLACE

MODEL AT-INSERT IS A.G.A. DESIGN CERTIFIED AND CGA CERTIFIED FOR NATURAL GAS OR PROPANE AS A DIRECT VENT DECORATIVE APPLIANCE.

MODEL AT-SUPREME IS A.G.A. DESIGN CERTIFIED AND CGA CERTIFIED FOR NATURAL GAS OR PROPANE AS A DIRECT VENT WALL FURNACE.

Requires one or more of the following vent systems for installation:

DVK-TVC-33 VERTICAL TERMINATION CAP
DVK-ZC-33 VERTICAL TERMINATION CAP

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

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

WHAT TO DO IF YOU SMELL GAS:

- Do not try to light 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.
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.

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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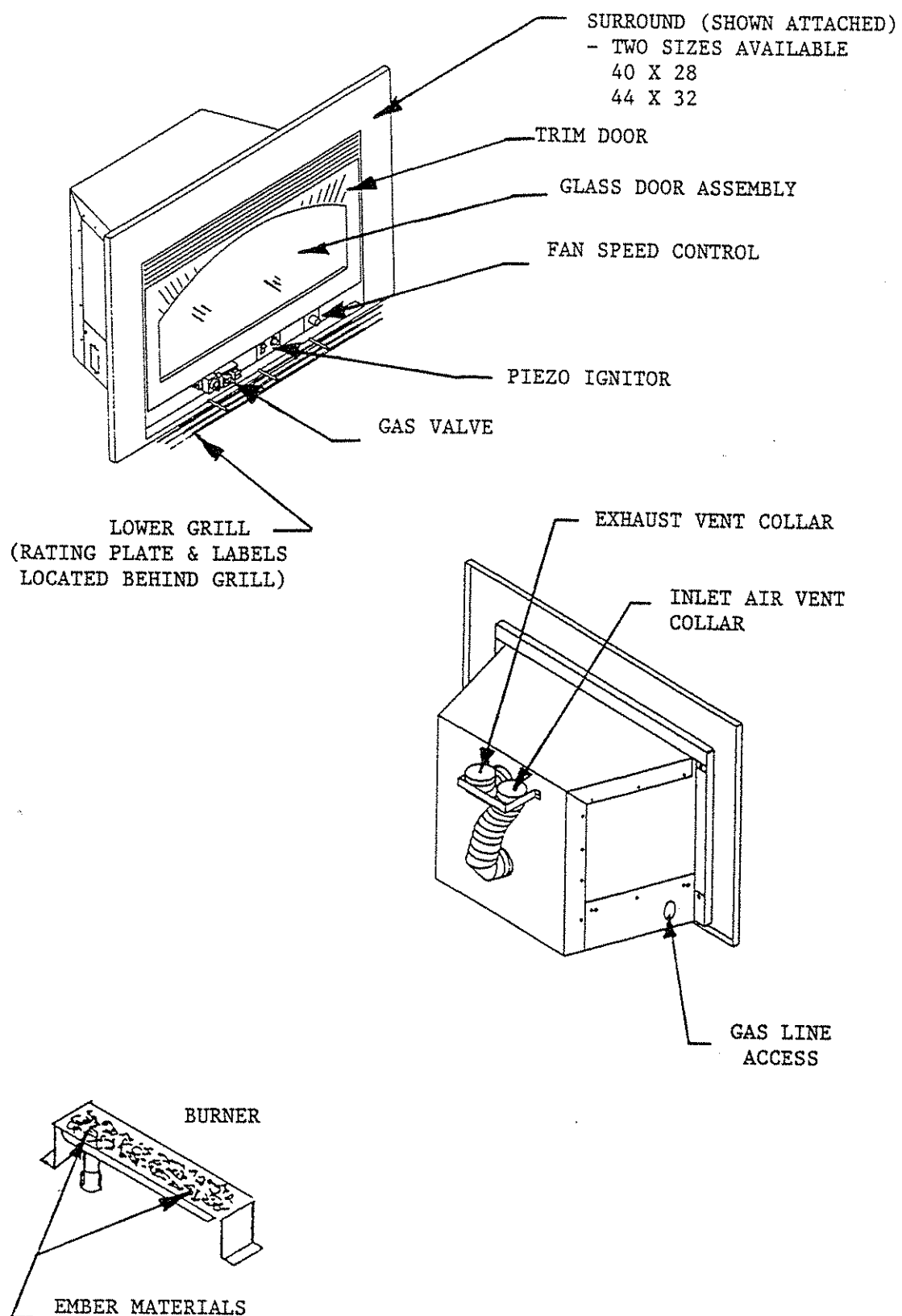


FIGURE 1

1.0 INTRODUCTION

The information in this instruction pertains to both Model AT-Supreme and Model AT-Insert unless otherwise specified.

This model is designed to operate with all combustion air being siphoned from the outside of the building and all exhaust gases expelled to the outside of the building. This model is designed to be installed in a masonry fireplace or factory built fireplace. These units **CANNOT** be recessed inside combustible construction.

Minimum dimensions of the masonry or factory-built fireplace into which these models can be installed, are 32 1/2-inches width x 19 depth x 23 1/2 height.

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

These units **MUST** use one of the vent terminations described in the venting section of this manual. **NO other vent terminations or components may be used unless described in these instructions.**

The control system for these models is a millivolt type. It consists of a gas control valve/variable regulator, a standing pilot assembly, a thermopile, a piezo ignitor, and an ON/OFF switch. The controls are located behind the lower grill. Access to the controls is gained by rotating the grill down. See Figure 1.

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 - B149 (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 C22.1 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 UNIT'S 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 DIRECT VENT CAP ON THE EXTERIOR OF THE HOUSE.**

Minimum inlet gas supply pressure for purpose of input adjustment is 4.5 inches water column natural gas and 11 inches water column propane. Maximum inlet gas supply pressure 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).

2.0 INSTALLATION PRECAUTIONS

This model 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 factory-installed in the fireplace. The vent system components and front surround are shipped in separate packages.** 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. notwithstanding 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.

NOTE: The appliance has an air-tight combustion chamber and takes 100% outside air for combustion. This appliance requires a direct vent system (see venting section of this manual for details).

Both Natural Gas and Propane units may be installed in a bedroom.

THIS FIREPLACE AND VENT ASSEMBLY MUST BE VENTED TO THE OUTSIDE AND MUST NEVER BE ATTACHED TO A CHIMNEY SERVING A SOLID FUEL BURNING APPLIANCE.

Remove the trim door by lifting it up and away from the front of the unit.

Remove the glass door by pulling out and turning 90 degrees, the three glass release eye-bolts at the top edge of the glass. Lift the door up and out of the three bottom retainers.

Two separate bags of ember materials are shipped with this unit. The bag labelled Golden Ember (GE-93) is flame colorant material. The bag labelled 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. See Figure 1.

Save the remaining ember materials for use during fireplace servicing.

Replace the glass door and trim door previously removed prior to lighting the unit. Be certain the gas logs are properly positioned. See Figure 2.

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

Carefully brush away or vacuum up any loose materials from the lower burner. 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 as you did in the initial set-up. Save the remaining ember materials and repeat this procedure at the next fireplace servicing.

NOTE: It may be necessary to clean the glass door after adding GE-93 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**.

GAS LOG POSITIONING

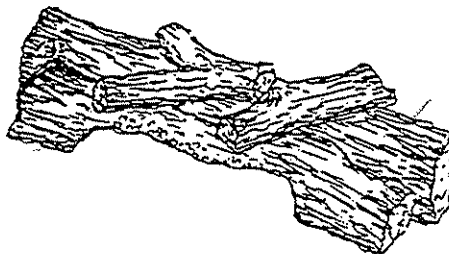


FIGURE 2

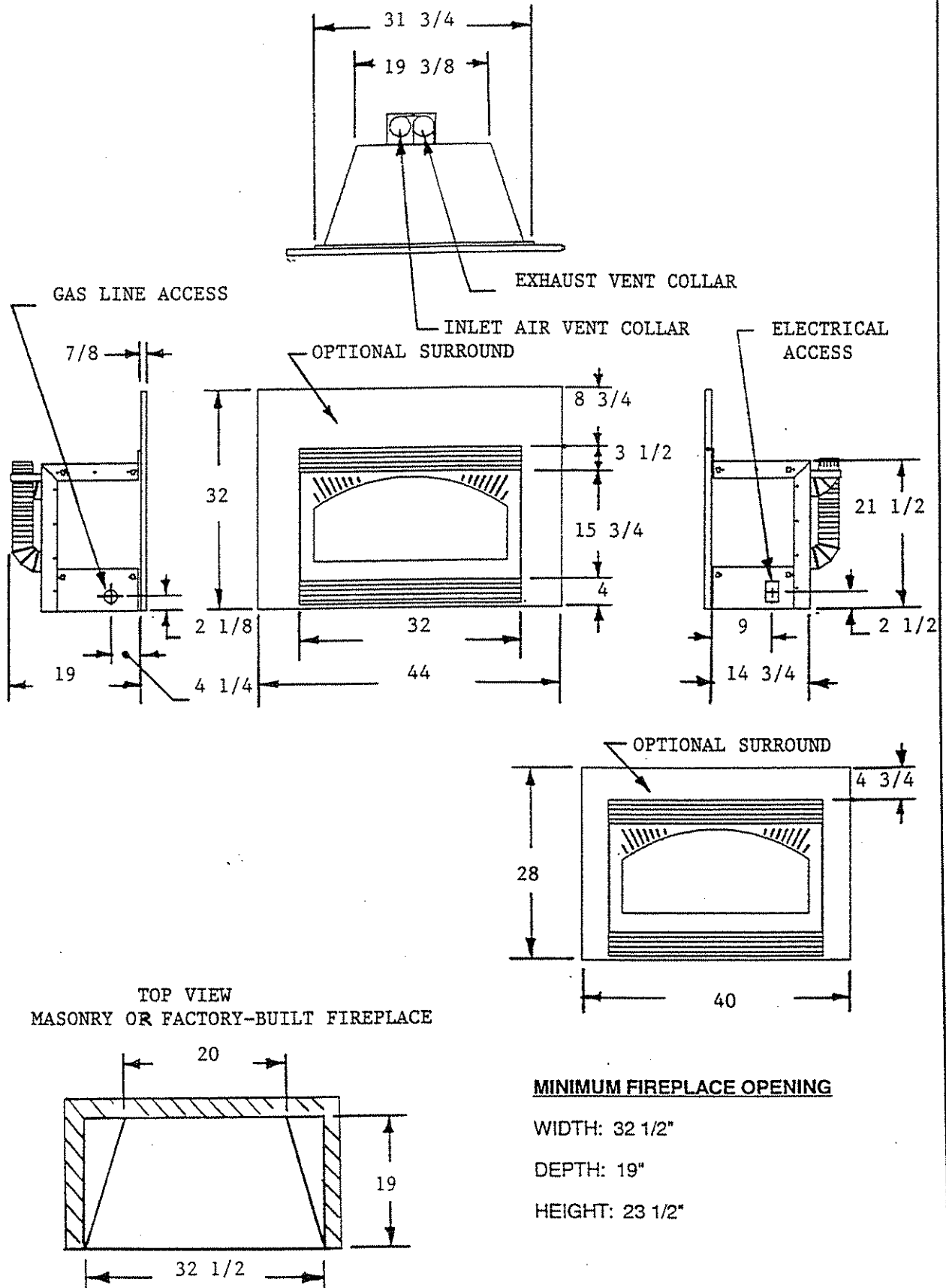


FIGURE 3

WARNING: DO NOT OPERATE THIS APPLIANCE WITH THE GLASS DOOR REMOVED, CRACKED, OR BROKEN. REPLACEMENT OF THE GLASS DOOR SHOULD BE DONE BY A LICENSED OR QUALIFIED PERSON. DO NOT STRIKE OR SLAM THE GLASS DOOR.

WARNING: THE GLASS DOOR ASSEMBLY SHALL ONLY BE REPLACED AS A COMPLETE UNIT AS SUPPLIED BY THE GAS FIREPLACE MANUFACTURER. NO SUBSTITUTE MATERIALS MAY BE USED.

WARNING: THE GLASS DOOR ASSEMBLY MUST BE IN PLACE AND SEALED BEFORE THE UNIT CAN BE PLACED INTO SAFE OPERATION. THE UNIT WILL NOT OPERATE UNLESS THE GLASS DOOR IS SECURED IN PLACE AND SEALED.

Prior to first firing, read Operation 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 unit and to replace any part of the control system and any gas control which has been underwater.

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 insert it is necessary to determine where the unit is to be installed, and whether optional accessories (wall switch, thermostat, or remote control) are desired. Gas supply piping should also be planned. Model AT-Supreme has a factory installed fan. Model AT-Insert has an optional fan.

This model is designed to be installed in a masonry or factory-built fireplace. The separate 3-inch combustion air and exhaust vent pipes must be run up through the chimney and terminated vertically. Horizontal vent terminations **MUST NOT** be done.

3.1 VENT SYSTEM INSTALLATION PRECAUTIONS

Before starting installation of vent kits, the installer should read the Gas Fireplace Instructions and the Vent Kit Instructions to ensure that a proper vent installation is completed.

Consult your local Building Codes before beginning the installation.

WARNING: THIS GAS FIREPLACE AND VENT ASSEMBLY MUST BE VENTED DIRECTLY TO THE OUTSIDE AND MUST NEVER BE ATTACHED TO A CHIMNEY SERVING A SEPARATE SOLID FUEL BURNING APPLIANCE. EACH GAS APPLIANCE MUST USE A SEPARATE VENT SYSTEM. COMMON VENT SYSTEM ARE PROHIBITED.

CAUTION: Prior to connecting the vent system to the unit, please read sections:

- 3.3 CONNECTING THE GAS LINE;
- 3.4 GAS FIREPLACE WIRING;
- 3.5 BLOWER;
- 3.6 OPTIONAL ACCESSORY KITS.

3.2 VENT SYSTEM APPROVALS

Table 1 and Figure 4 show the vent systems approved for use with these models. Approved vent system terminations are labeled for identification. 3-inch diameter flexible aluminum or stainless steel gas vent is used for both the incoming combustion air and exhaust vent pipes. **NO OTHER VENTING SYSTEMS OR COMPONENTS MAY BE USED.** Detailed installation instructions are included with each vent termination kit and should be used in conjunction with this manual.

HORIZONTAL VENTING

The vent system on this model **CANNOT** be terminated horizontally.

MODEL	VENT TERMINATION APPROVALS	
AT-INSERT	DVK-TVC-33	DVK-ZC-33
AT- SUPREME		

TABLE 1

V = 14 FT. MIN.
40 FT. MAX.

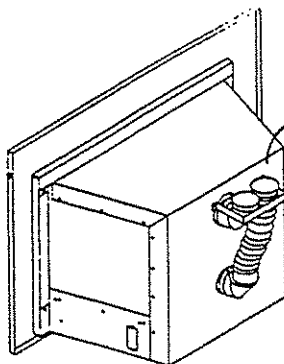


FIGURE 4

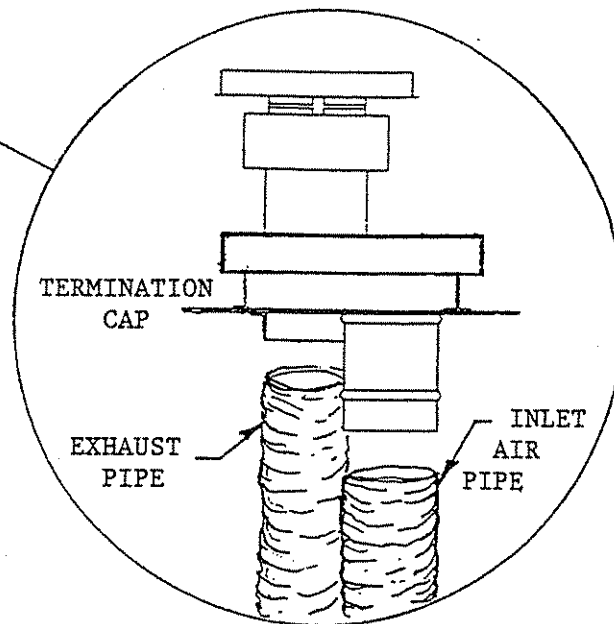


FIGURE 6

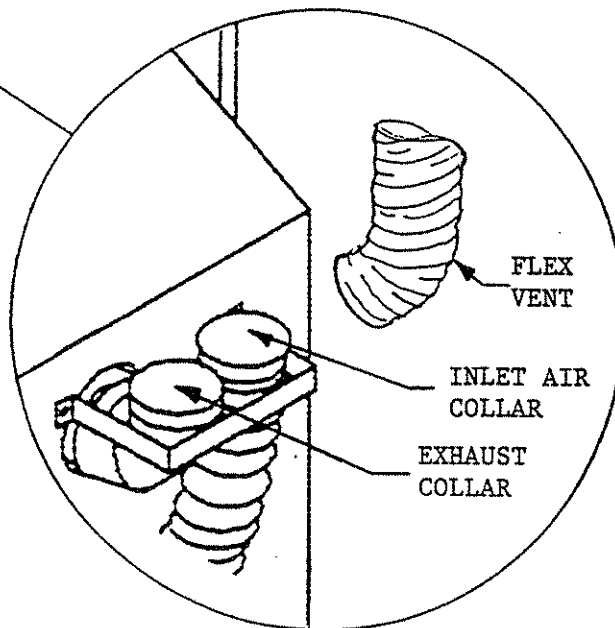


FIGURE 5

WARNING: THE EXHAUST PIPE MUST ONLY BE CONNECTED TO THE TOP STARTING COLLAR OF THE UNIT AND THE CENTER COLLAR OF THE TERMINATION CAP.

THE INLET AIR PIPE MUST ONLY BE CONNECTED TO THE BOTTOM COLLAR OF THE UNIT AND OUTER COLLAR OF THE CAP.

VERTICAL VENTING

Figure 4 shows the vertical vent termination approvals for use on this model.

NOTE: The minimum vertical rise is 14 feet and the maximum vertical rise is 40 feet. These dimensions are measured from the starting collars of the unit to the end of the last section of vent pipe (See dimension V in Figure 4).

A vertical vent termination system installed on this model will include one (1) length of 3-inch flexible vent pipe for the combustion air, one (1) length of 3-inch flexible vent pipe for the exhaust, and one (1) DVK-TVC-33 or DVK-ZC-33 Vertical Termination Kit.

NOTE: MODEL DVK-TVC-33 IS USED FOR INSTALLATIONS IN MASONRY FIREPLACES. MODEL DVK-ZC-33 IS FOR INSTALLATIONS IN FACTORY-BUILT FIREPLACES.

NOTE: The damper of the masonry or factory-built chimney may have to be removed to allow installation of the flexible-vent pipe.

Install the 3-inch flexible vent pipes down through the chimney. Attach and secure the bottom ends of the flex pipes to the starting collars on the back of the unit with 3 sheetmetal screws on each collar. Slide the gas insert into place, and position any excess flex vent pipe back up into the chimney.

Attach the DVK-TVC-33 or DVK-ZC-33 termination cap to the top of the flexible vent pipe and set the cap in place at the top of the chimney. See Figures 5 and 6.

CAUTION: To avoid downdrafts and/or cold air problems, it is recommended to seal off the area between the termination cap and the top of the solid-fuel chimney opening into which the vent cap has been installed.

WARNING: Major U.S. building codes specify minimum chimney and/or vent height above the roof top. These minimum heights are necessary in the interest of safety. Figure 7 and Table 2 show minimum heights, provided the termination cap is at least 8-feet from a vertical wall.

NOTE: THIS ALSO PERTAINS TO VERTICAL VENT SYSTEMS INSTALLED ON THE OUTSIDE OF THE BUILDING.

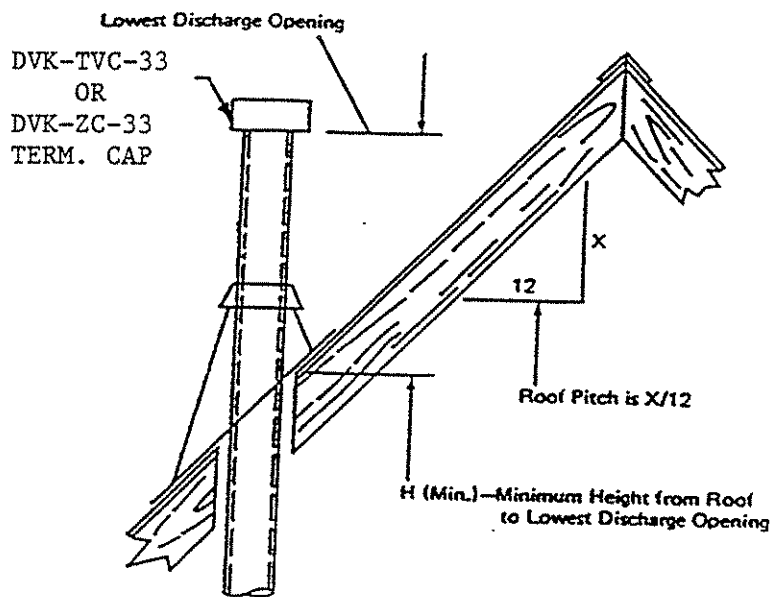


FIGURE 7 Minimum Vent Height

Roof Pitch	H (Min.)	Ft.
Flat to 6/12	1.0	
6/12 to 7/12	1.25	
Over 7/12 to 8/12	1.5	
Over 8/12 to 9/12	2.0	
Over 9/12 to 10/12	2.5	
Over 10/12 to 11/12	3.25	
Over 11/12 to 12/12	4.0	
Over 12/12 to 14/12	5.0	
Over 14/12 to 16/12	6.0	
Over 16/12 to 18/12	7.0	
Over 18/12 to 20/12	7.5	
Over 20/12 to 21/12	8.0	

TABLE 2

3.3 CONNECTING THE GAS LINE

This model has a listed shut-off valve and a listed flexible gas connector (Model Flex-12) installed to the supply side of the gas control valve. The gas supply line should be installed and connected to the shut-off valve by a qualified service person in accordance with all prevailing building codes. Consult local building codes to properly size the gas supply line leading to the 1/2-inch shut-off valve. A 1/8-inch NPT plugged tapping, accessible for a test gauge connection should also be provided for the supply line. Figure 8 shows the control valve, flex-connector, and shut-off valve location on the unit.

Support the flexible connector when connecting the line to the shut-off valve. A coiled copper tubing (internally tinned) can be used as the supply line inside the masonry fireplace. Consult local codes.

After the gas pipe installation is complete, check carefully all gas connections for leaks with a soap solution. **DO NOT USE AN OPEN FLAME.**

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

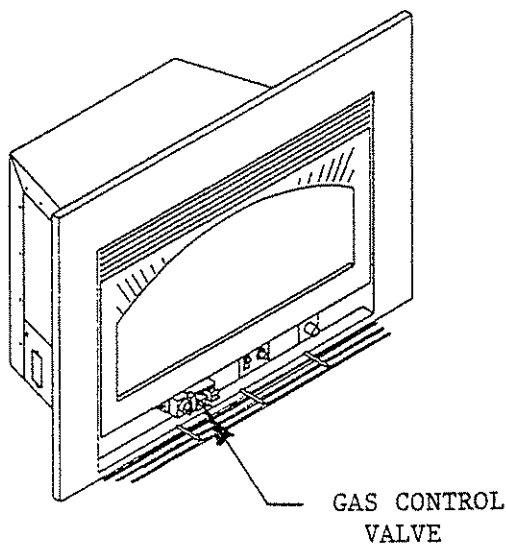


FIGURE 8

3.4 GAS FIREPLACE WIRING

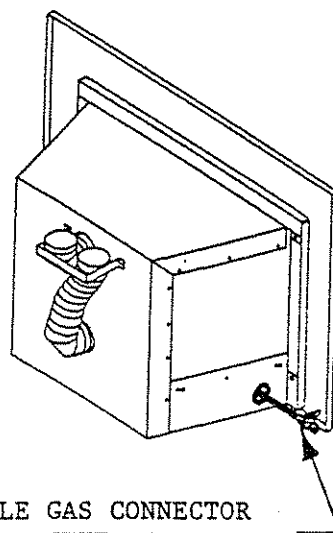
The unit wiring diagram for these models is shown in Figure 9. The control valve DOES NOT require 110-120 VAC to operate.

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

3.5 BLOWER

Model AT-Supreme has a factory installed Blower, Junction Box, variable speed ON/OFF Rheostat Control Switch, and Temperature Sensor Switch for the blower. A GFK-160A optional fan kit can be used in Model AT-Insert. The blower, temperature sensor switch, and junction box are located behind the lower grill. To provide the 110-120 VAC, 60 HZ needed at the Junction Box, simply plug the 3-prong grounded cord into a 3-prong grounded 110-120 VAC, 60HZ 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. See Figure 10.

WARNING: 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.



FLEXIBLE GAS CONNECTOR
& MANUAL SHUT-OFF VALVE

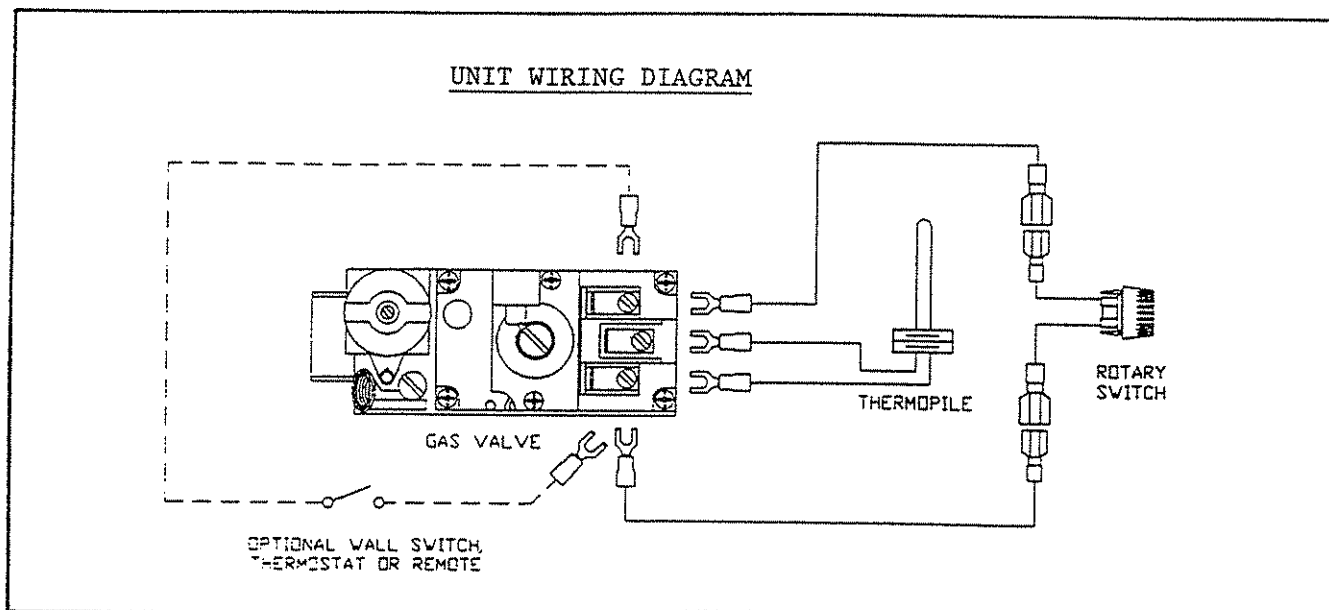


FIGURE 9

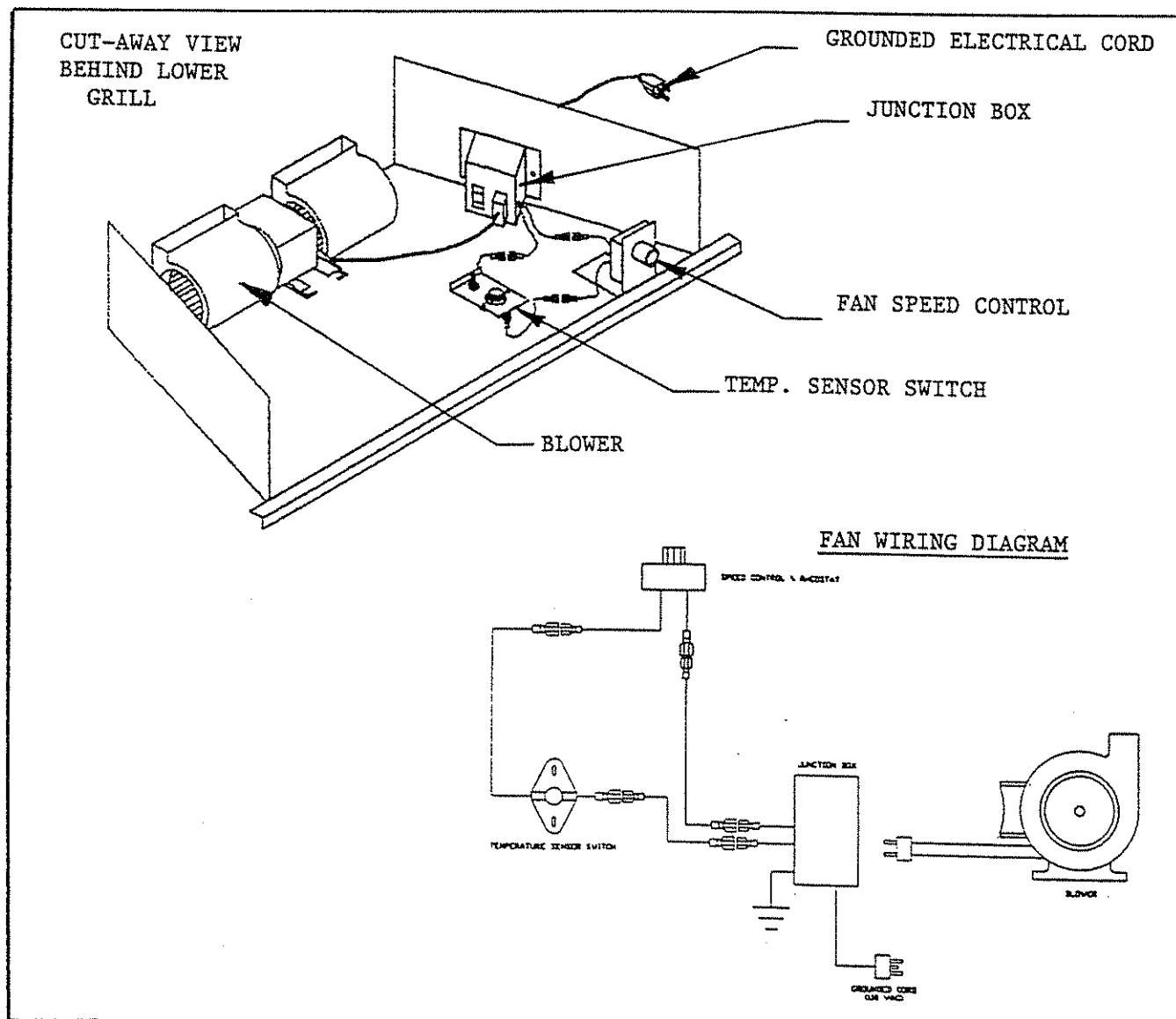


FIGURE 10

3.6 OPTIONAL ACCESSORY KITS

Optional remote control kits (RCH-09A and RC-MLT) are available. Use of these kits requires 110-120 VAC electrical service. The remote control kit receiver can be located on the base pan behind the lower grill. Detailed installation instructions are found in each accessory kit.

An Optional Wall Switch (WSK-21) or Thermostat (WH-STAT) for turning the fireplace ON/OFF is also available. These kits do NOT require 110 VAC. Connect the low voltage wires from the optional switch to the red and brown pigtail wires from the ON/OFF switch. These wires are labeled "FOR REMOTE, THERMOSTAT, OR WALL SWITCH ONLY". Turn the unit's ON/OFF switch to the "OFF" position. See Figure 9 - Unit Wiring Diagram.

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

3.7 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 11.

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 wires 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 11.
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 THE INSERT INTO THE FACTORY-BUILT OR MASONRY FIREPLACE. THIS INSULATION WILL HELP SEAL FOR COLD AIR LEAKS.

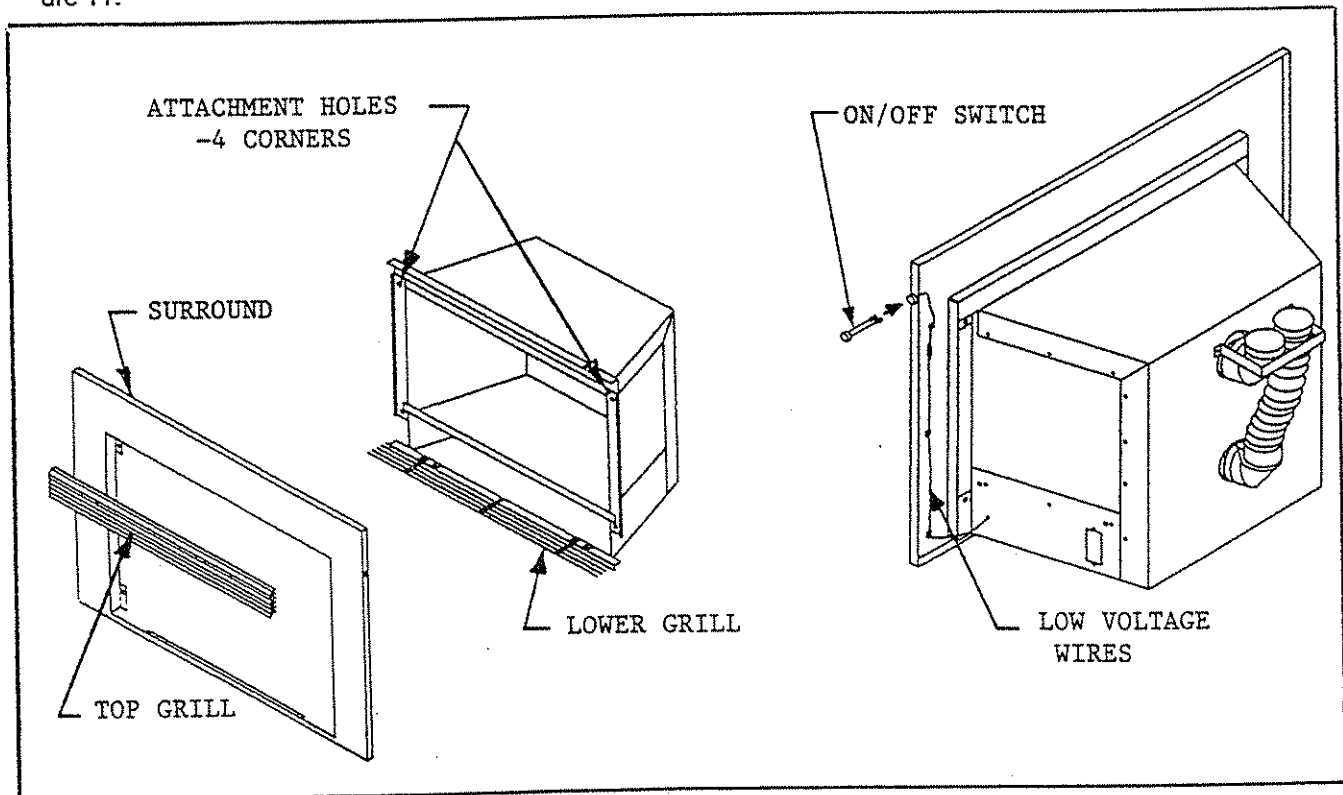


FIGURE 11

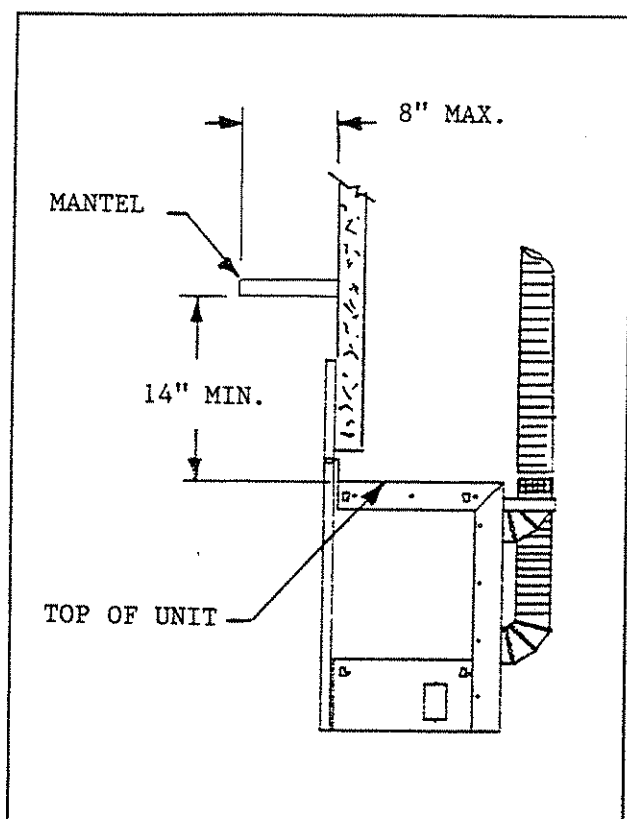


FIGURE 12

3.8 FINISHING

Figure 12 shows the minimum vertical and corresponding maximum horizontal dimensions of mantels or other combustible projections above the gas fireplace.

When finishing the fireplace **NEVER OBSTRUCT OR MODIFY THE AIR INLET/OUTLET GRILLES IN ANY MANNER.**

3.9 HEARTH EXTENSION

While a hearth extension may be desirable for aesthetic reasons, it is not required for gas wall heaters per ANSI or CAN/CGA testing standards.

4.0 ELECTRICAL SAFETY SYSTEM

WARNING: DO NOT CONNECT 110-120 VAC 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 provide approximately 350 to 500 millivolts. This activates the gas control valve. For protection, the glass door must be installed and sealed. See Figure 13.

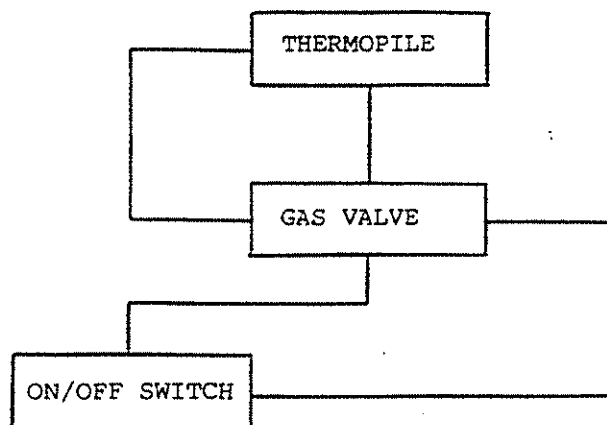


FIGURE 13

5.0 OPERATING GUIDELINES 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 lightings of the appliance will not require such purging.

CAUTION: DURING THE INITIAL PURGING AND SUBSEQUENT LIGHTING'S **NEVER** ALLOW THE GAS VALVE CONTROL KNOB TO REMAIN DEPRESSED IN THE "PILOT" POSITION WITHOUT 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 gas control access door. 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 14).

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 CHECK-UPS AT THE BEGINNING OF EACH HEATING SEASON.

WARNING: DO NOT USE ABRASIVE CLEANERS ON THE GLASS DOOR ASSEMBLY. DO NOT ATTEMPT TO CLEAN THE GLASS DOOR WHEN IT IS HOT.

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

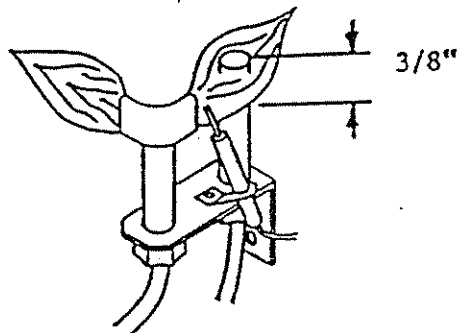


FIGURE 14

5.1 GLASS DOOR REMOVAL

1. Remove the trim door by lifting it up and out from the fireplace.
2. To remove the glass door, you must pull out and rotate the three glass release eye-bolts at the top edge of the glass.
3. Lift the door up and out of the three bottom retainers.

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 the 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 the orifice or tubing. When the appliance is put back in service check burner flame patterns with Figure 15.

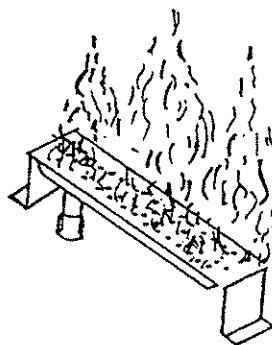


FIGURE 15

5.3 LOG REPLACEMENT

1. Remove the trim door 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 2 - Gas Log Positioning. Replace the glass door and trim door.

5.4 GLASS DOOR REPLACEMENT

1. Before replacing the glass door make sure logs are properly positioned.
2. Place the bottom of the glass door in the retainers. Push the top edge of the door against the unit and latch the glass frame with the three eyebolts.

WARNING: THE GLASS DOOR ASSEMBLY MUST BE IN PLACE AND SEALED 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 16. Rotate the knob clockwise to "HI" to increase the flame height and counter-clockwise to "LO" to decrease the flame height.

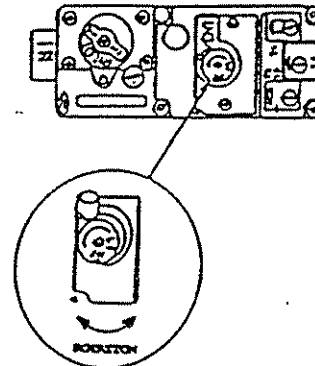


FIGURE 16

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.

WHAT TO DO IF YOU SMELL GAS

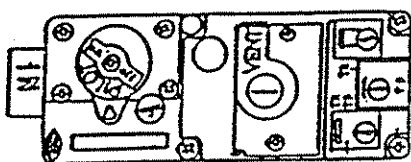
- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

- C. Use only your hand to push in or turn the 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.

6.2 LIGHTING INSTRUCTIONS

LIGHTING INSTRUCTIONS

1. "STOP!" Read the safety information on previous page.
2. To access the controls, open the bottom grill.
3. 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.

4. 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.
5. 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



6. To put the control in the "Pilot" position, turn the control knob counter-clockwise to the "Pilot" position.
7. 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.
8. After the pilot has been lit, the burner can be turned on by turning the knob counter-clockwise to the "ON" position. Turn the ON/OFF switch to the "ON" position.
9. Close the bottom grill.

TO TURN OFF GAS APPLIANCE

1. Open the bottom grill.
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 the bottom grill.

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.

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

Warnock Hersey Listed units are tested and approved for elevations from 0-2000 feet (in the United States) and 0-4500 feet (in Canada).

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 the proper orifice size.

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

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

8.0 TROUBLE SHOOTING - AT-INSERT/AT-SUPREME

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 to have a strong spark. If OK, replace pilot.
	C. No gas or low gas pressure.	1. Check unit's shut-off valve and remote shut off valves from fireplace. Usually 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. Open wire connection in pilot circuit.	1. Check wire continuity and connection in pilot circuit.
	C. Defective valve.	1. Turn green knob to pilot position, depress and light pilot light. If meter reading is less than 325 m.v. after 30 seconds, or the pilot does not stay lit, the valve is defective.
	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 be generating sufficient millivoltage (325 m.v.).	1. Recheck Symptom #2. 2. Pilot flame not physically close enough to the thermopile.
	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.
		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 generator if reading is below specified minimum. 4. Disconnect thermopile leads from the valve. With pilot burner "ON", take reading at thermopile leads - should read 325 millivolts minimum. Replace thermopile of reading is below this minimum.

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
	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.
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. Main burner goes out while being in operation.	A. No L.P. in tank.	1. Check L.P. (Propane) tank. You may be out of fuel.
	B. 3-inch exhaust pipe leaking exhaust gases back into system.	2. Check for leaks.
	C. Glass too loose and air tight, gasket leaks in corners after usage.	1. Be certain glass assembly is installed correctly and tighten corner.
	D. Bad thermopile.	1. Replace if necessary.
	E. 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 that 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 and free of debris. Make sure that vent system joints are tight and have no leaks.
		2. Check to make sure that no material has been placed in the opening at the burner base.
		3. Be sure glass is tightened properly on unit, particularly along the top corners.

**LIMITED WARRANTY POLICY
FOR HEAT-N-GLO FIREPLACE PRODUCTS, INC. GAS FIREPLACES**

The limited two year warranty will not become effective until the completed warranty card has been mailed to HEAT-N-GLO FIREPLACE PRODUCTS, INC., Savage, MN 55378.

This card must be mailed within 60 days of the fireplace installation.

Subject to the conditions set forth herein, HEAT-N-GLO FIREPLACE PRODUCTS, INC. extends the following warranty with respect to HEAT-N-GLO FIREPLACE PRODUCTS, INC. Decorative Gas Fireplaces.

If HEAT-N-GLO FIREPLACE PRODUCTS, INC. is 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 FIREPLACE PRODUCTS, INC. will take the following actions:

1. Within the first year from the date of installation, HEAT-N-GLO FIREPLACE PRODUCTS, INC. shall, at its option, replace or repair any such defect in material or workmanship, at HEAT-N-GLO FIREPLACE PRODUCTS, INC. expense. HEAT-N-GLO FIREPLACE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY OTHER LABOR COSTS, OR EXPENSES, INCLUDING INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.
2. During the second year after the date of installation, HEAT-N-GLO FIREPLACE PRODUCTS, INC. shall supply replacement parts at the current minimum wholesale price, but HEAT-N-GLO FIREPLACE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY LABOR, TRANSPORTATION, OR OTHER INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.
3. During the first six months after installation, HEAT-N-GLO FIREPLACE PRODUCTS, INC. shall, at its option, replace or repair the glass door if operation is faulty (this does not include glass panels broken during shipping, misuse, or careless handling). HEAT-N-GLO FIREPLACE PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY LABOR, TRANSPORTATION OR OTHER INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES. IF GLASS DOORS OTHER THAN FACTORY DOORS ARE USED, ALL WARRANTY AND LIABILITY ON THE FIREPLACE IS VOIDED.
4. All electrical, manual, and optional components or accessories found to be defective will be repaired or replaced without charge during the first year after installation.

HEAT-N-GLO FIREPLACE PRODUCTS, INC. may discharge its entire warranty liability by refunding the price of the product.

Products made by other manufacturers, sold with the fireplace or 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 be void if the appliance is not installed by a qualified installer and according to the installation instructions. The limited warranty also is void if the fireplace is not operated, at all times, according to the operating instructions furnished.

EXCEPT TO THE EXTENT PROVIDED BY LAW, NO IMPLIED WARRANTIES OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND NO IMPLIED WARRANTIES SHALL APPLY TO THE FIREPLACE AFTER THE ABOVE LIMITED WARRANTY HAS EXPIRED.

In states that do not allow limitations on how long 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 FIREPLACE PRODUCTS, INC. reserves the right to make changes at anytime, without notice, in design, material, specifications, and prices and the right to discontinue styles and products.