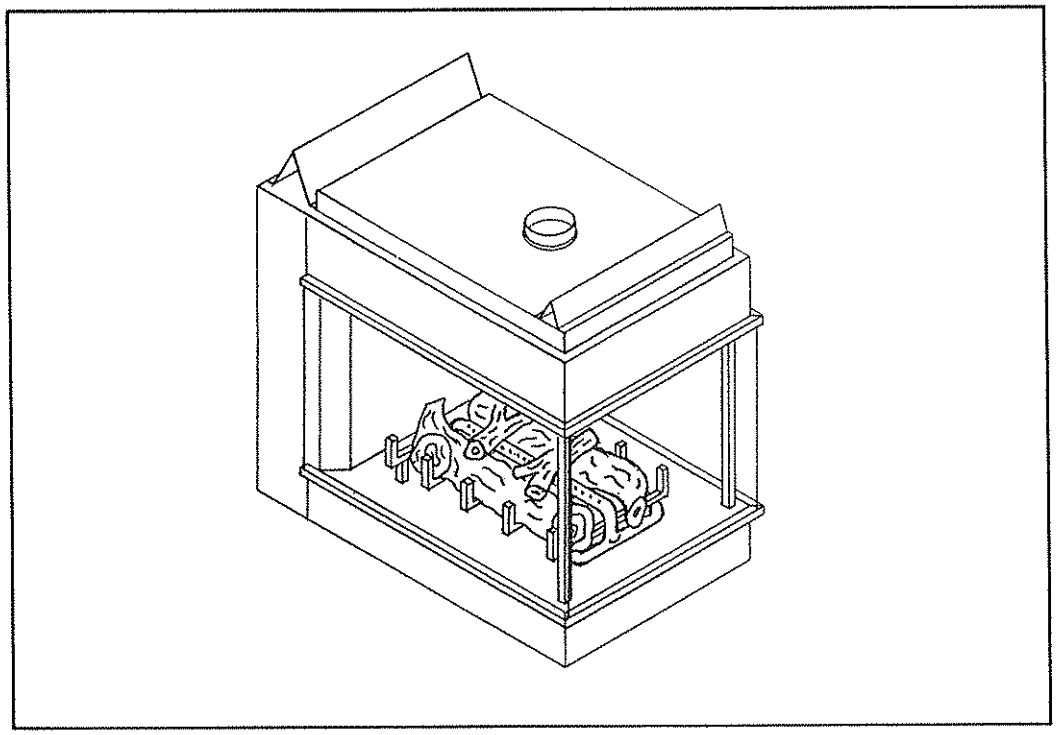
This appliance has been retired.
Service parts pages within have been removed.
For replacement parts, please refer to the individual service parts list located on the brand websites.



U.S. PATENTS 5,000,162 and 4,875,464

Model PIER-TV Installation and Operation Instructions

A.G.A. Design Certified
CGA Certified

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

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

GTI

INSTALLATION AND OPERATION INSTRUCTIONS

PLEASE READ THIS MANUAL BEFORE INSTALLING AND USING THE FIREPLACE

MODEL PIER-TV 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 in your building.**
- **Immediately call your gas supplier from a neighbors 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 THIS 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.

TABLE OF CONTENTS

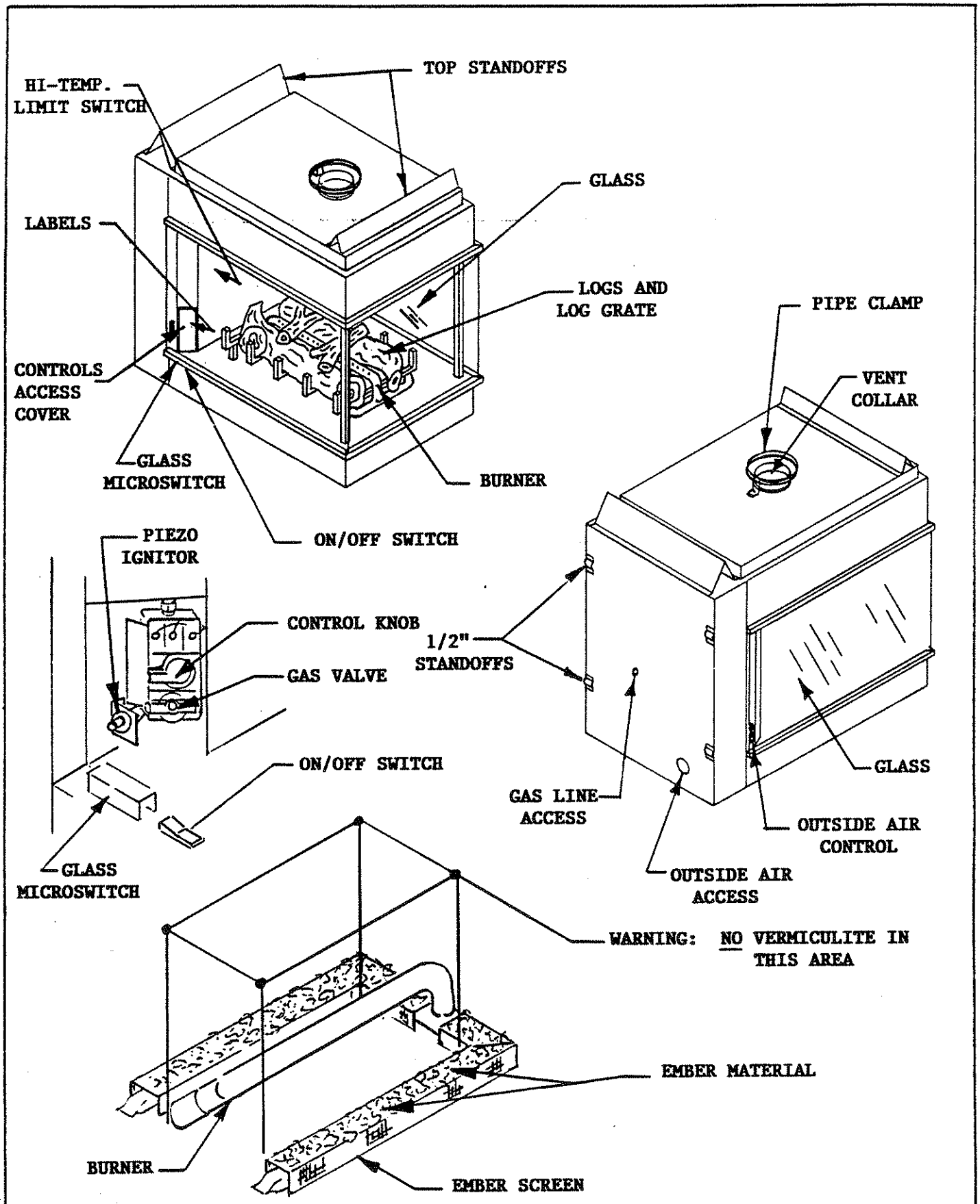

TOP STANDOFFS
HI-TEMP. LIMIT SWITCH
GLASS
LABELS
LOGS AND LOG GRATE
PIPE CLAMP
VENT COLLAR
CONTROLS ACCESS COVER
GLASS MICROSWITCH
BURNER
ON/OFF SWITCH
PIEZO IGNITOR
CONTROL KNOB
1/2" STANDOFFS
GAS VALVE
ON/OFF SWITCH
GLASS
GAS LINE ACCESS
OUTSIDE AIR CONTROL
GLASS MICROSWITCH
OUTSIDE AIR ACCESS
WARNING: NO VERMICULITE IN THIS AREA
EMBER MATERIAL
BURNER
EMBER SCREEN

FIGURE 1

1.0 INTRODUCTION

Model PIER-TV is a top-venting Vented Decorative Gas Appliance. It is designed to operate by drawing combustion air from either inside the living space or from outside the building with the use of an optional outside air kit Model AK-225. Exhaust gases are expelled to the outside of the building by using 6-inch B-type vent attached to the top flue vent collar of the unit. Model PIER-TV MUST use a 6-inch B- type vent system. NO other vent system may be used.

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

The control system for Model PIER-TV is a millivolt type. It consists of a gas control valve/regulator, a standing pilot assembly, a thermopile, a piezo ignitor, an ON/OFF microswitch for the control side glass panel, and an ON/OFF rocker switch. The controls are located behind the access plate inside the combustion chamber of the fireplace.

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 National Fuel Gas Code ANSI Z223.1-1988/ NFPA 54-1988 (in the United States) or with the current installation code CAN/CGA1-B149 (in Canada). The appliance when installed must be electrically grounded in accordance with local codes; in absence of local codes, with The National Electric Code ANSI/NFPA NO 70-1990 (in The United States) or with the current Canadian Electric Code (in Canada).

NOTE: INSTALLATION AND REPAIR SHOULD BE ONE 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 PASSAGE-WAYS 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 clearances in inches to combustibles are: glass sides 36, Floor 0, Back 1/2, Top 3 1/2 (top and back clearances are defined by the standoffs). Minimum distance from ceiling to the top front of the unit is 31 inches. The back of the unit may NOT be recessed within combustible construction

Minimum inlet gas supply pressure for purpose of input adjustment is 4.5 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 bd 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 shippped in a separate package. 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 Gas Technologies, Inc. warranty will be voided by, and Gas Technologies, Inc. disclaims any responsibility for, the following actions:

- Installation of any damaged fireplace or chimney component
- Modification of the fireplace or vent system
- Installation other than as instructed by Gas Technologies,Inc.
- Improper positioning of the gas logs or the glass door
- Installation and/or use of any component part not manufactured or approved by GasTechnologies, 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 6 INCH B-TYPE VENT PIPE AND MUST NEVER BE ATTACHED TO A CHIMNEY FLUE SERVING A SOLID FUEL BURNING APPLIANCE.

Remove the front glass door (control side) by carefully sliding it up until the bottom mounting pins are disengaged from the mounting holes and then lowering the door out of the top glass retainers.

Open the bag of vermiculite and spread it evenly on the bottom of the firebox making sure not to block the air hole at the base of the burner or the air hole in the center of the base pan beneath the burner (See Figure 1).

NOTE: It is essential for proper unit operation that the vermiculite contained in the plastic bag be spread evenly across the bottom of the fire box.

CAUTION: NO VERMICULITE CAN BE PRESENT IN THE CENTER CUT-OUT AREA BETWEEN THE LOWER BURNER TUBES (SEE FIGURE 1).

Carefully spread a single layer of dime size and shape pieces of ember material (found in a separate bag) uniformly over the upper portion of the lower burner ember shield (Figure 1). The excess ember material should be used as replacement material during the annual servicing. **DO NOT COVER THE LOWER BURNER WITH VERMICULITE.**

To install the logs, remove the front (control side of the unit) glass door assembly. Place the simulated bark cover pieces on top of the two burner deflectors. Place the bottom front and rear logs on the log grate. Position the top right and left logs in the cut-out areas on top of the bottom logs. See Figure 2.

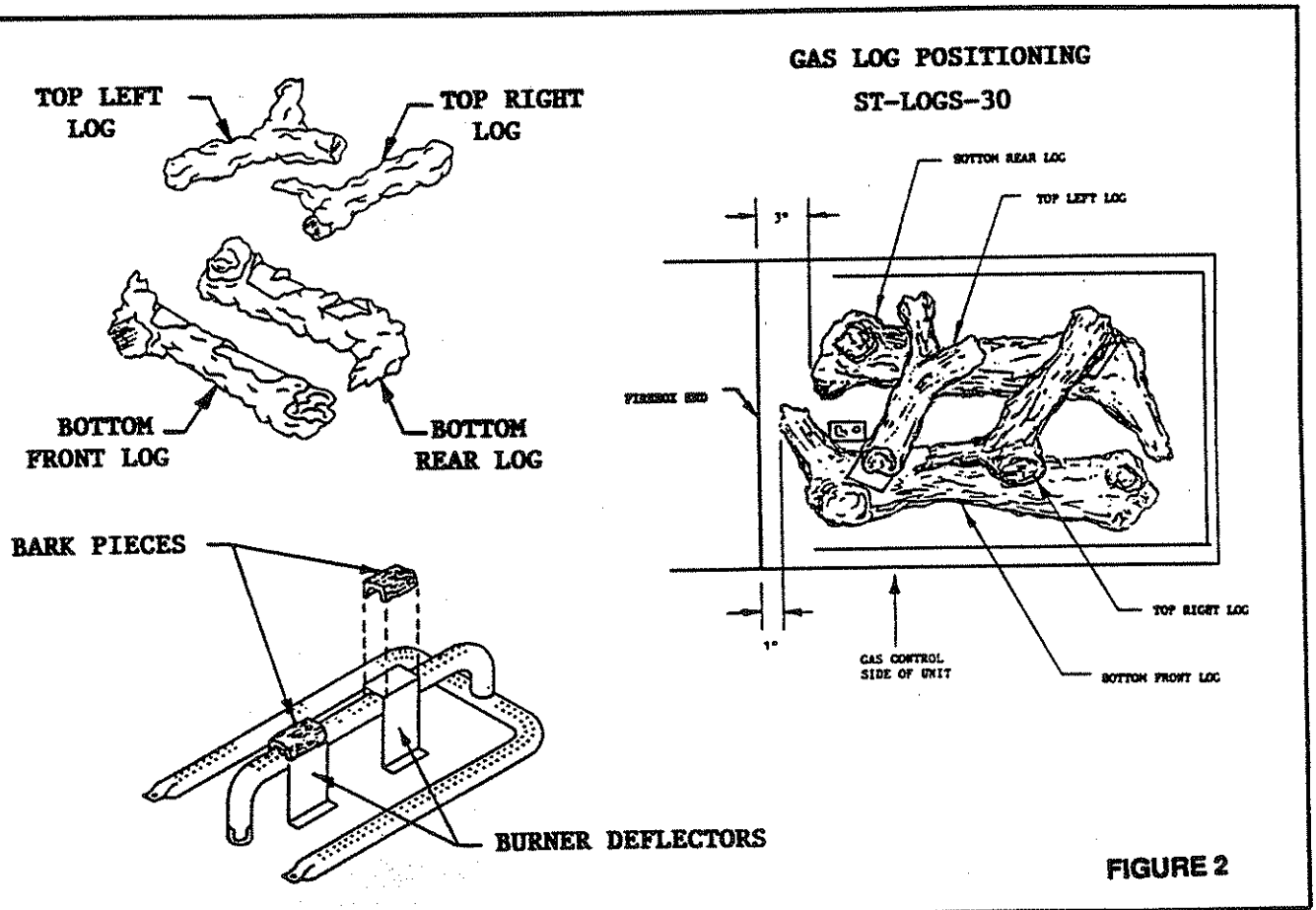


FIGURE 2

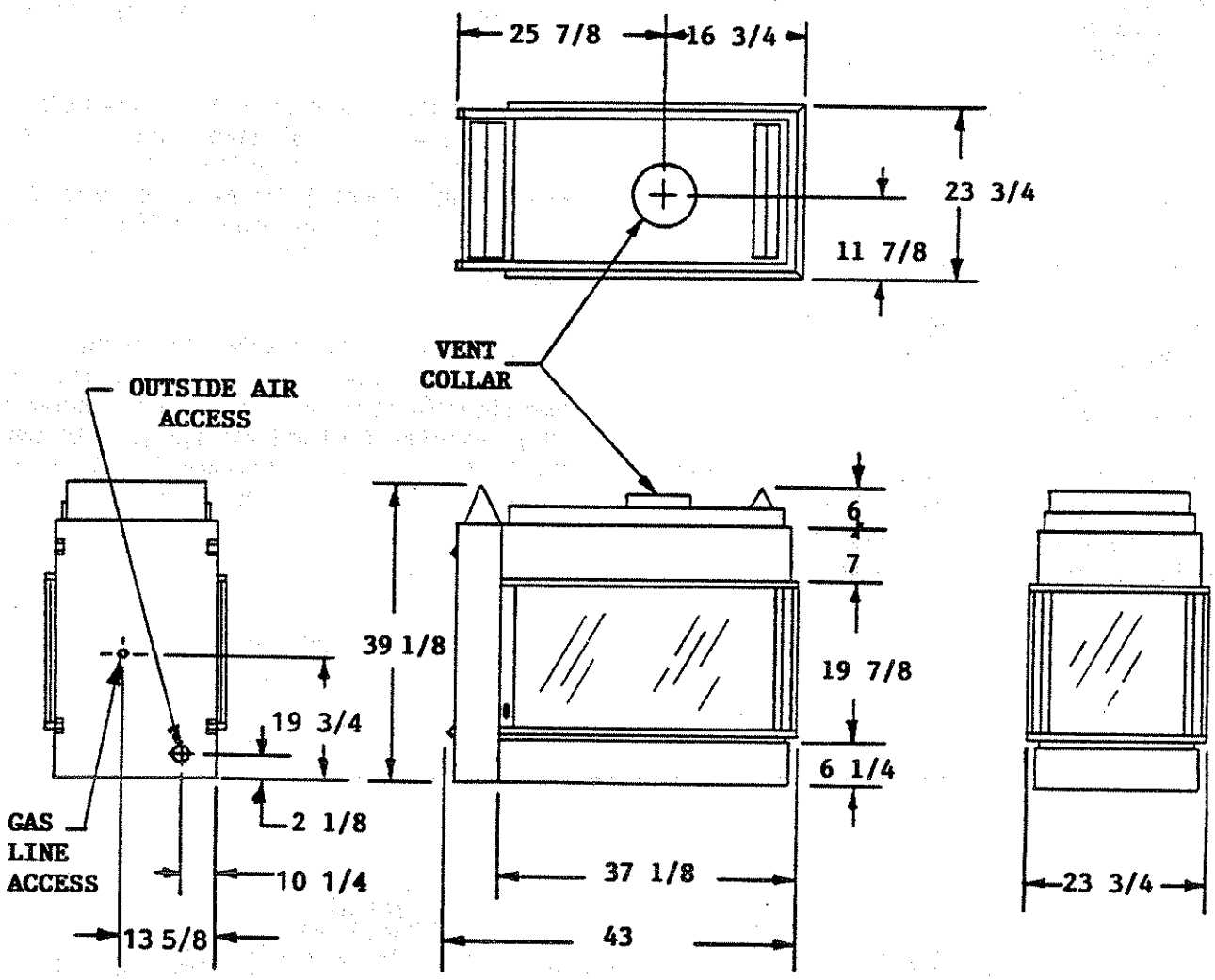

25 7/8
16 3/4
23 3/4
11 7/8
VENT
COLLAR
OUTSIDE AIR
ACCESS
6
7
39 1/8
19 7/8
19 3/4
6 1/4
2 1/8
GAS
LINE
ACCESS
10 1/4
37 1/8
23 3/4
13 5/8
43

FIGURE 3

WARNING: THE GAS LOGS MUST BE POSITIONED SO THAT THERE IS NO FLAME IMPINGEMENT ON THEM OR THE FIREPLACE WILL NOT FUNCTION PROPERLY AND MAY RESULT IN SOOT ACCUMULATION ON THE INSIDE OF THE FIREBOX. IF THE BURNER FLAME IMPINGES ON THE LOGS, REPOSITION THEM SO THAT NO IMPINGEMENT OCCURS.

Replace the glass door assembly.

WARNING: THE GLASS DOOR ASSEMBLIES MUST BE IN PLACE ON THE FIREPLACE BEFORE THE UNIT CAN BE PLACED INTO SAFE OPERATION. UNDER NO CONDITIONS SHOULD THE UNIT BE OPERATED WITHOUT THE GLASS ASSEMBLIES IN PLACE. THE FRONT GLASS DOOR MUST ACTIVATE THE MICROSWITCH BEHIND IT - THIS MICROSWITCH MUST BE "ON".

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.O INSTALLATION INSTRUCTIONS

In planning the installation for the fireplace it is necessary to determine where the unit is to be installed, the routing of the B-type vent system, and whether optional accessories (remote control, wall switch or outside air kit) are desired. Gas supply piping should also be planned.

Model PIER-TV can be installed in a bedroom (in the United States) 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.

Model Pier-TV can be installed in
a bedroom (in Canada) if a thermostat (Model WH-STAT) is installed with the unit. Consult local code authorities. Detailed installation instructions for Model WH-STAT are included with the kit.

The fireplace can be mounted on any of the following surfaces:
1.A flat combustible surface.
2. A raised wooden platform
3.Four (4) corner supports.

(Example: Four (4) concrete masonry blocks) These supports must be positioned so they contact all four (4) perimeter edges on the bottom of the unit.

If the fireplace is installed directly on carpeting, tile, or other combustible material other than wood flooring, the appliance shall be installed on a metal or wood panel extending the full width and depth of the unit.

Fireplace framing can be built before or after the fireplace is set in place. Framing should be positioned to accomodate wall covering and fireplace facing material. The fireplace framing should be constructed of 2 x 4 lumber or heavier. The framing headers may rest on the fireplace standoffs. Refer to Figure 3 and Figure 4 for fireplace and framing reference dimensions. **CAUTION:** Measure the fireplace and verify framing and finishing methods before framing construction begins.

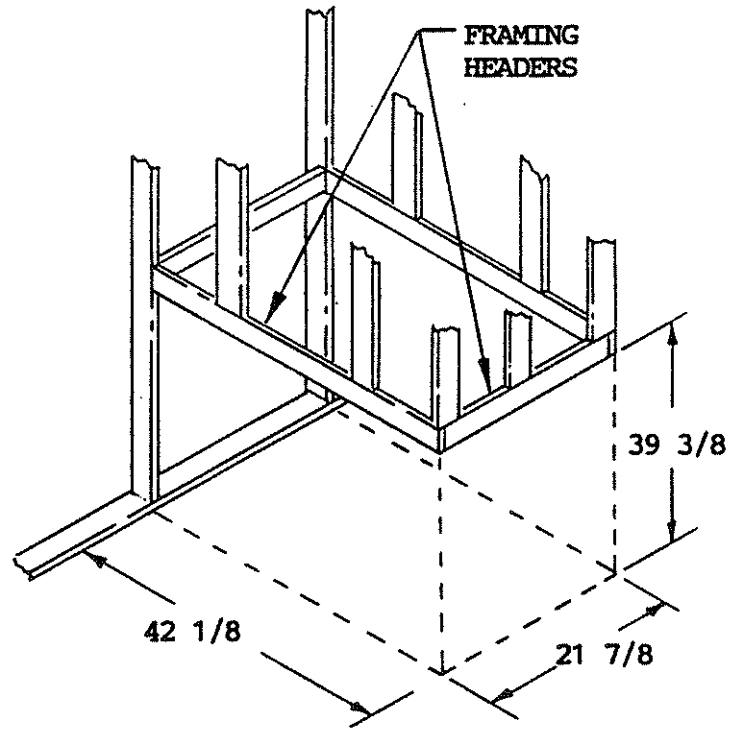


FIGURE 4

3.1 INSTALLING THE B-TYPE VENT SYSTEM

3.1.1 POSITIONING THE FIREPLACE

Determine the exact position of the fireplace so that the vent run can be planned.
Figure 5 shows minimum clearances to each side of the fireplace. Using a level, make sure the fireplace is properly positioned and squared. The 1/2 - inch stand-offs on the back of the fireplace may be positioned directly against a combustible wall.

3.1.2 CONNECTING THE VENT SYSTEM COMPONENTS

Connect a 6 inch B-Type vent component (1 inch clearance to combustibles) to the flue outlet collar and secure it to the fireplace with the pipe clamp. See Figure 6.

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

NOTE: FOR BEDROOM INSTALLATIONS IN CANADA

Model Pier-TV MUST NOT be vented into a Type-B Vent system installed exterior to a building. The part of the vent system above the roof line can be exterior to the building.

NOTE: THE VENT TERMINATION MUST BE IN A VERTICAL POSITION

Consult Local Building Code Officals 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.

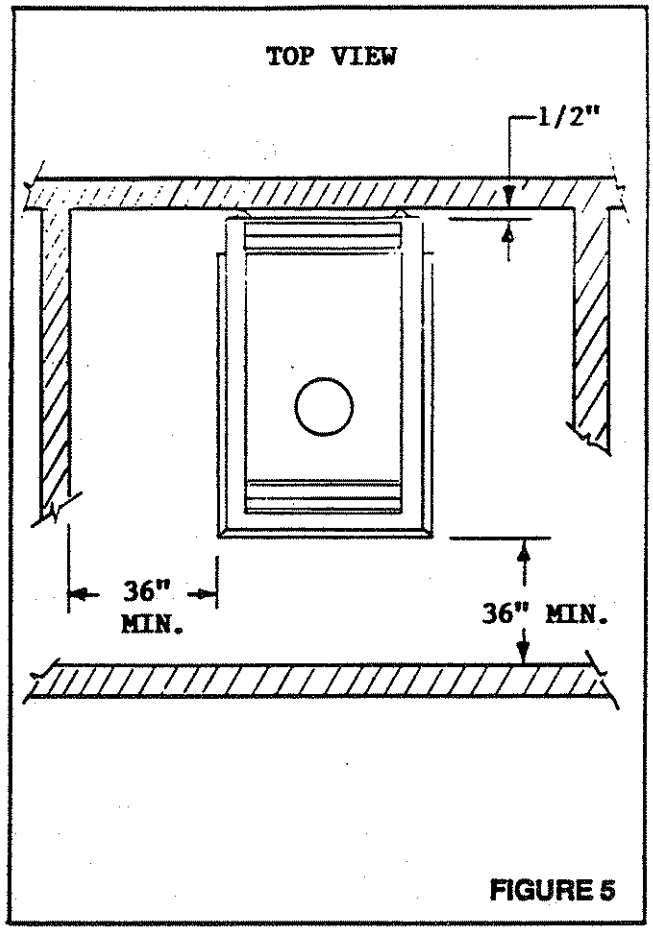


FIGURE 5

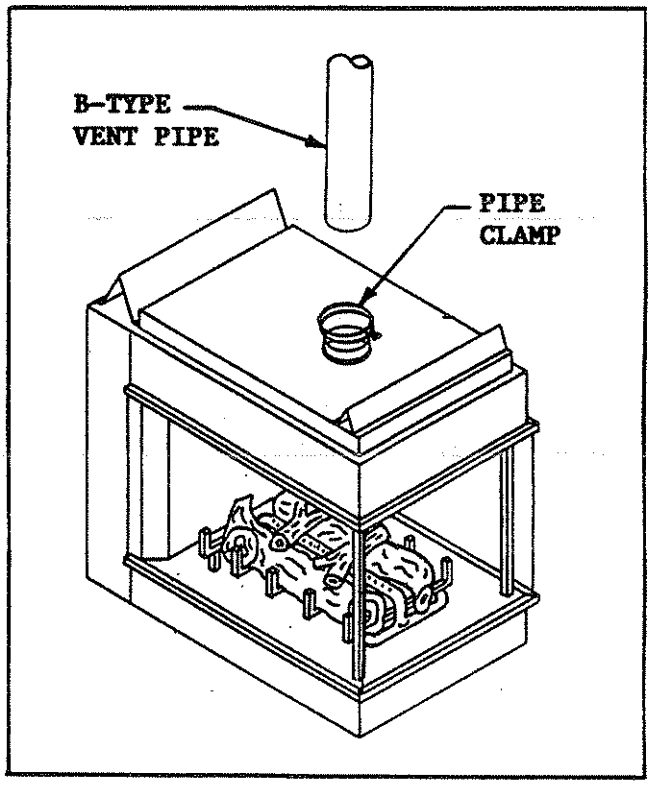


FIGURE 6

3.2 PERMANENTLY ANCHORING THE FIREPLACE

To prevent the unit from shifting, the fireplace must be anchored. Two methods are possible: Use the nailing tabs as shown in Figure 7, or use the standoffs on the top of the fireplace. A nail may be driven through or a screw may be inserted through the framing header into the top standoffs as shown in Figure 7.

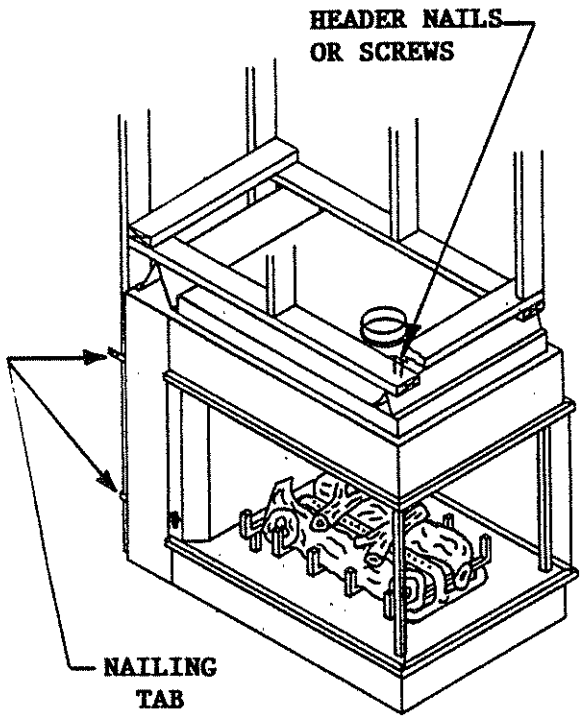


FIGURE 7

3.3 CONNECTING THE GAS LINE

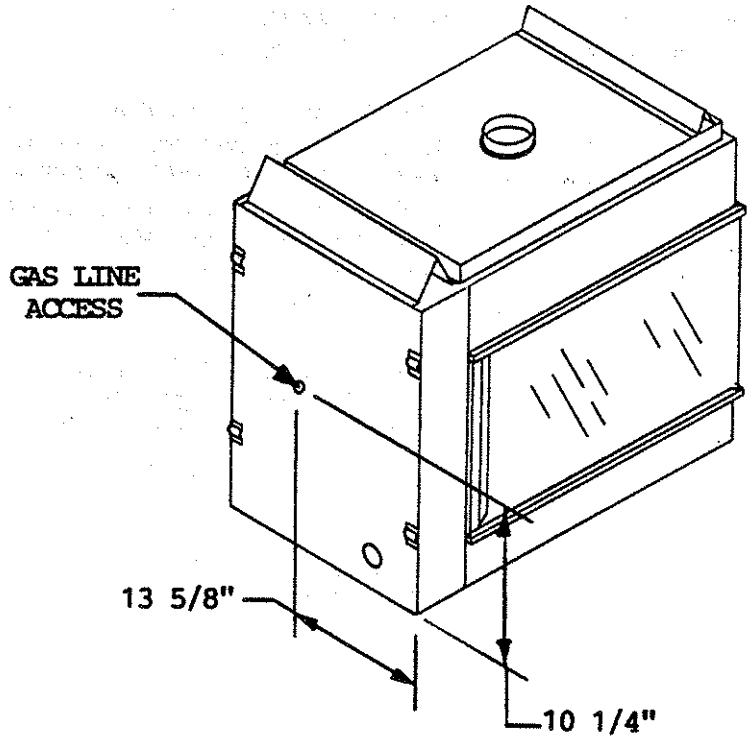
The gas fireplace has a listed shut-off valve and a listed flexible gas connector (Model FLEX-12) installed to the supply side of the gas control valve. The gas supply line should be installed and connected to the flexible connector by a qualified service person in accordance with all prevailing building codes. Consult local building codes to properly size the gas supply line leading to the 3/8 - inch flexible connector. A 1/8 - inch npt plugged tapping, accessible for a test gauge connection, should also be provided for in the gas supply line. Figure 8 shows the exterior gas line access hole in the outer casing of the fireplace and the control valve, shut-off valve, and flexible connector behind the rear panel inside the firebox.

Remove the rear panel while installing the gas supply line. Support the flexible connector when connecting the supply line and take care not to damage the control valve and the feed lines to the pilot and main burner. Replace the rear panel when the gas line hook-up is complete.

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 insulation 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 PIPE SHOULD NOT COME IN CONTACT WITH ANY WOOD STRUCTURES UNTIL IT HAS REACHED A POINT AT LEAST 1 INCH AWAY FROM THE FIREPLACE SIDE.

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


GAS LINE
ACCESS
13 5/8"
10 1/4"

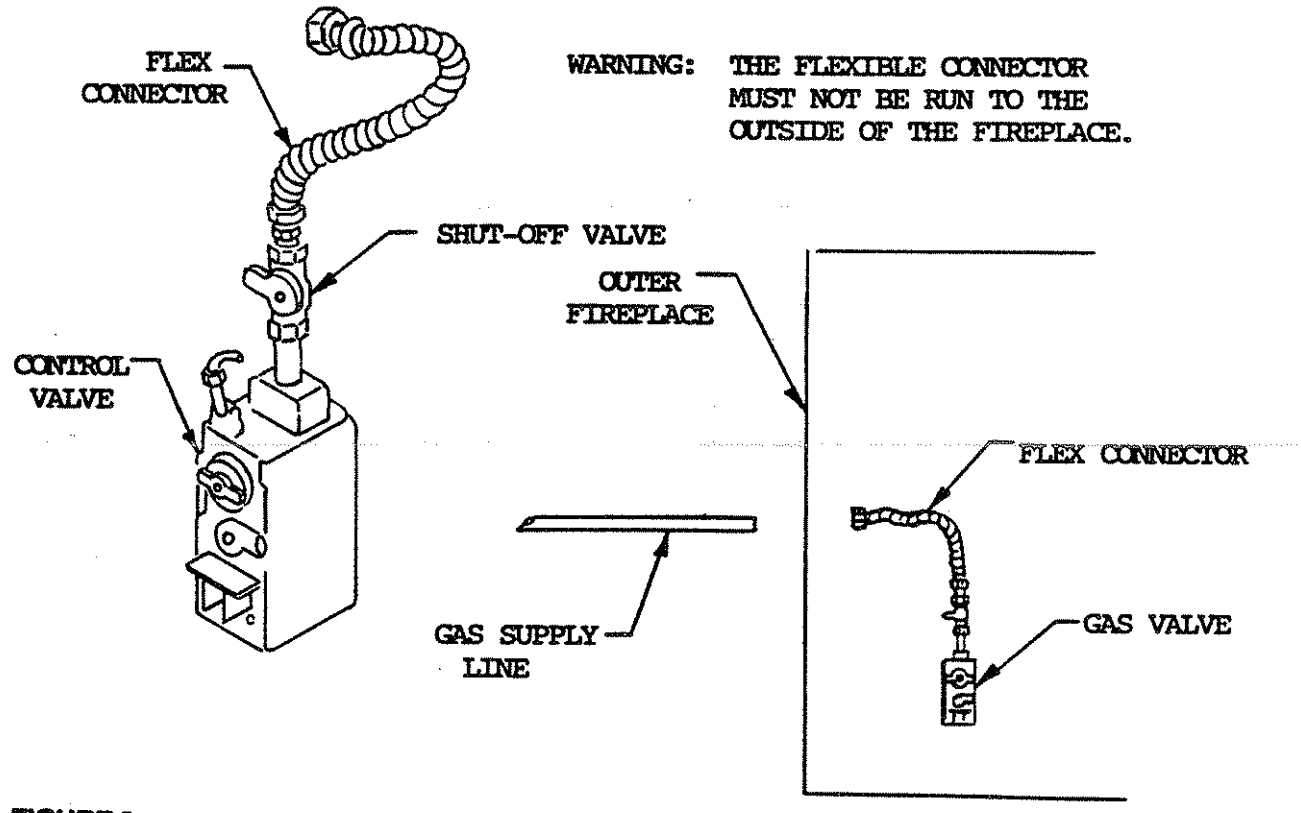

FLEX
CONNECTOR
WARNING: THE FLEXIBLE CONNECTOR MUST NOT BE RUN TO THE OUTSIDE OF THE FIREPLACE.
SHUT-OFF VALVE
OUTER
FIREPLACE
CONTROL
VALVE
FLEX CONNECTOR
GAS VALVE
GAS SUPPLY
LINE

FIGURE 8

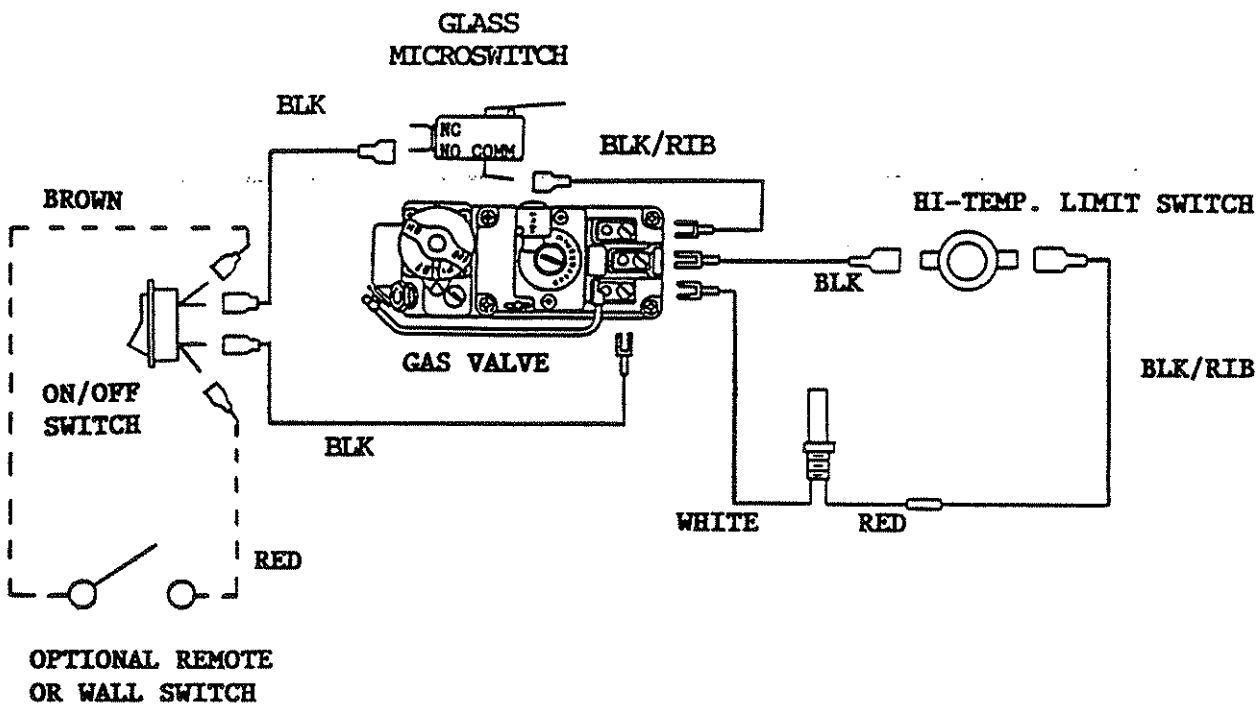


FIGURE 9

3.4 ELECTRICAL WIRING FOR OPTIONAL REMOTE CONTROL KITS

An optional hand held remote control kit (RCH-09A) is available. Use of this kit requires that the remote receiver be plugged into a 110-120 VAC wall outlet and that the low voltage wires from the receiver are run to the fireplace and connected to the pigtail wires on the gas valve.

Detailed instructions for the optional remote control are included with each kit.

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

3.5 WALL SWITCH WIRING

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. See Figure 9 - Unit Wiring Diagram.

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

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

3.6 INSTALLING OPTIONAL OUTSIDE AIR

The PIER-TV unit is equipped to accept outside combustion air. It is recommended that the Optional Outside Air Kit Model AK-225 be installed and used whenever practical. Detailed instructions are included with the kit.

The outside air damper control is located at the lower left hand corner of the glass door assembly on the front side (control side) of the unit. See Figure 10. Slide the control handle UP and to the right to lock the outside air damper in the OPEN position.

NOTE: THE AK-225 OUTSIDE AIR KIT IS NOT FOR USE IN CANADA.

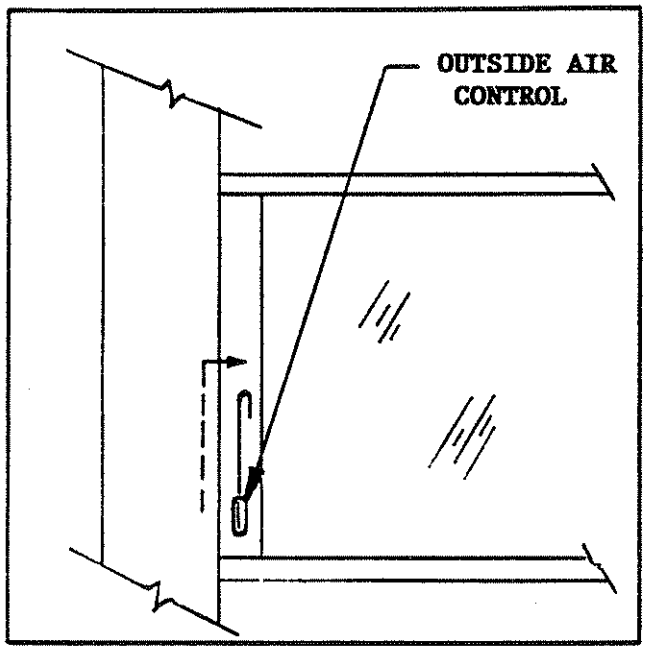


FIGURE 10

3.7 FINISHING

Finish the wall with the material of your choice. Do not install a combustible mantle or other combustible projection above the fireplace opening unless it is a minimum of 12 inches above the top edge of the glass door. (Figure 11).

CAUTION: ALL JOINTS BETWEEN THE FINISHED WALL AND THE FIREPLACE SURROUND (TOP AND SIDES) CAN ONLY BE SEALED WITH NON-COMBUSTIBLE MATERIAL. ONLY NON-COMBUSTIBLE MATERIAL CAN BE APPLIED AS FACING TO THE FIREPLACE SURROUND. SEE FIGURE 12.

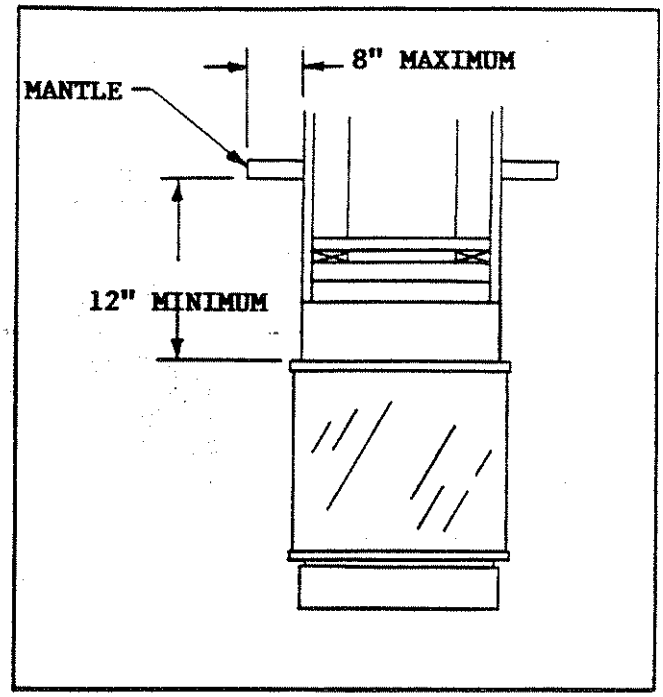


FIGURE 11

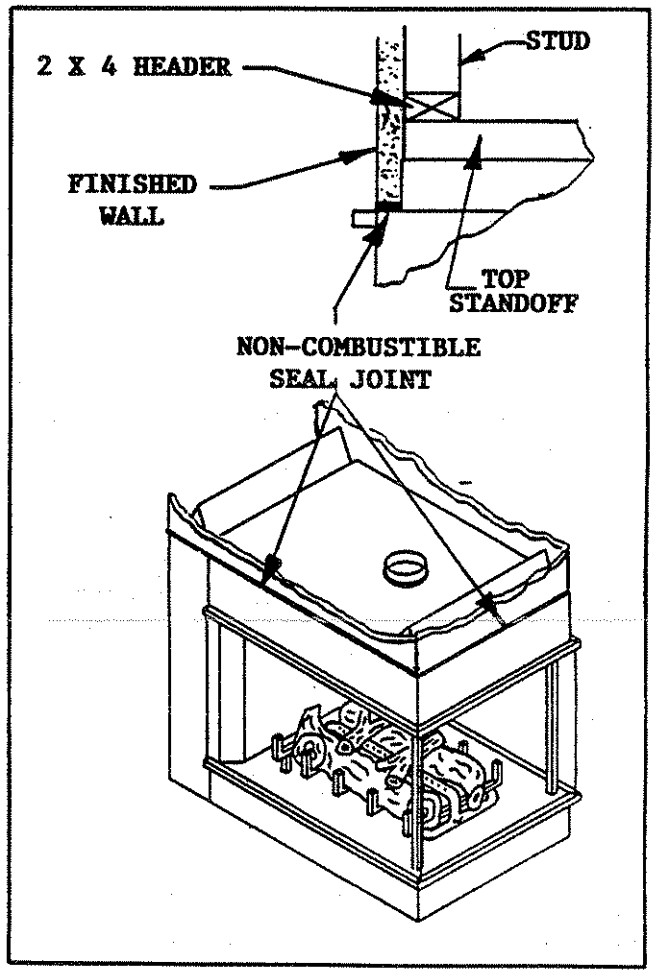


FIGURE 12

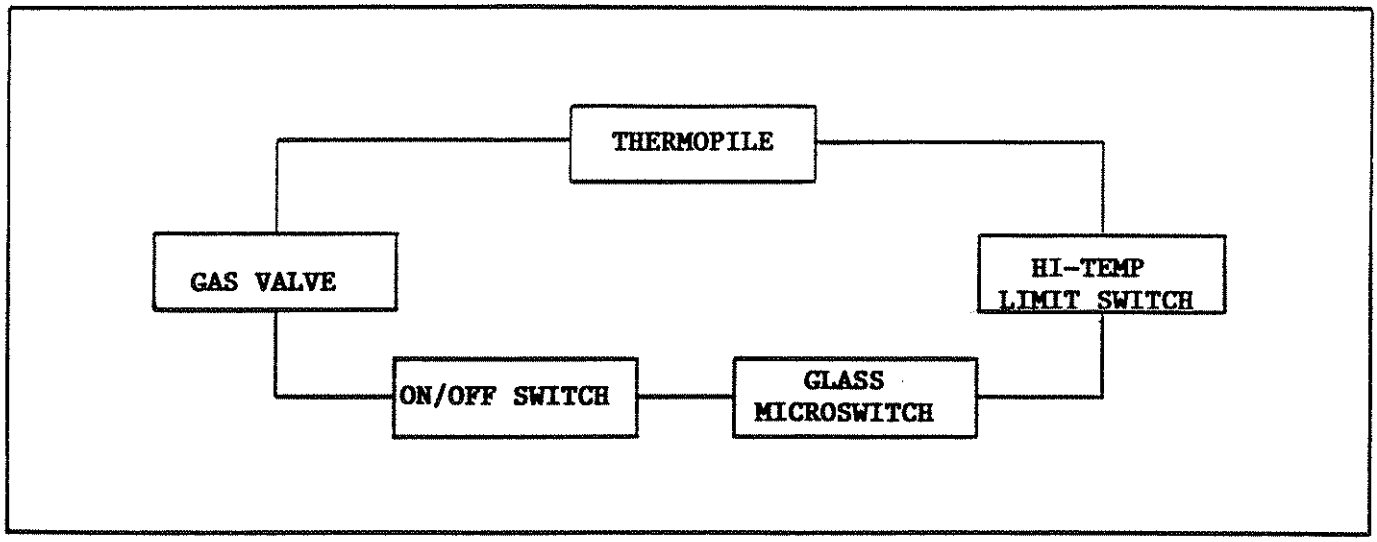


FIGURE 13

3.8 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.

4.O ELECTRICAL SAFETY SYSTEM

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

The MODEL PIER-TV system is wired so the thermogenerator, when heated with the pilot light, will produce approximately 350 to 500 millivolts. This activates the gas control valve. Additionally, a high temperature limit switch is used for protection and will close the main gas valve should a high surface temperature condition be encountered (Figure 13). The unit is equipped with an ON/OFF rocker switch and a glass microswitch for the front (control side) glass door. See Figure 14 for switch locations.

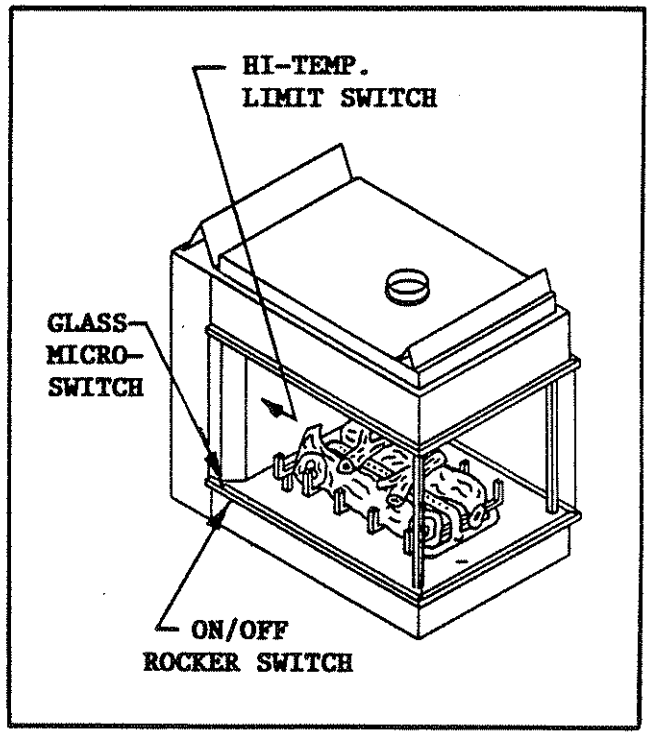


FIGURE 14

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 inside the firebox.

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 3/4 inch at the pilot generator should be engulfed in the pilot flame. (Figure 15).

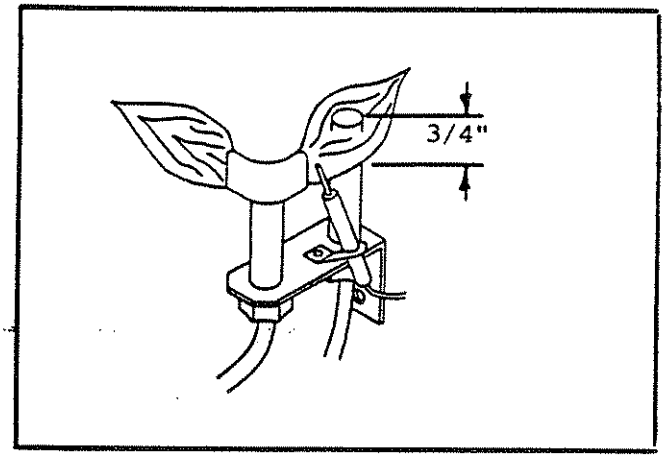


FIGURE 15

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.

5.1 GLASS DOOR REMOVAL

1. To remove the glass door, lift it up until the bottom mounting pins are disengaged from the holes and lower it until the top glass edge is disengaged from the top mounting retainer clips.

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 16.

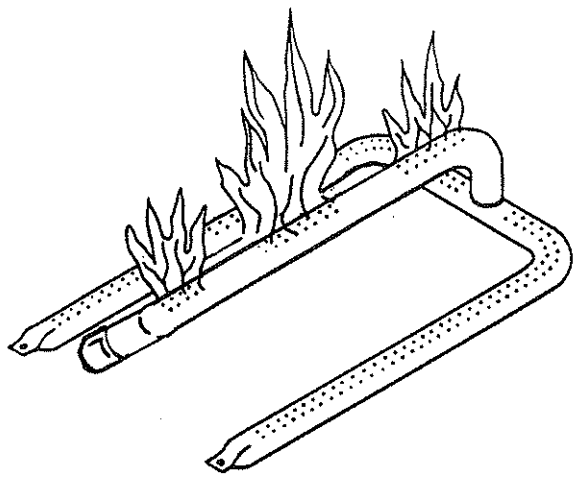


FIGURE 16

5.3 LOG REPLACEMENT

1. Remove the glass door assembly. (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.

5.4 GLASS DOOR REPLACEMENT

1. Before replacing the glass door make sure the vermiculite material is spread evenly over the bottom of the firebox and the logs are properly positioned.

2. Slide the top edge of the glass into the top retainer clips, push the bottom of the glass door in until the bottom pins engage the bottom mounting holes and carefully lower the glass door.

WARNING: THE GLASS DOOR ASSEMBLIES MUST BE IN PLACE ON THE FIREPLACE BEFORE THE UNIT CAN BE PLACED INTO SAFE OPERATION. THE FRONT GLASS DOOR MUST ACTIVATE THE MICROSWITCH BEHIND IT - THIS MICROSWITCH MUST BE "ON".

6.0 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.

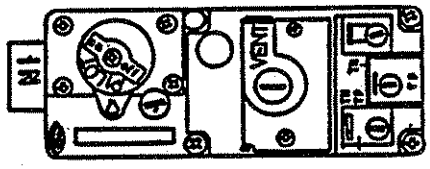
7.0 LIGHTING INSTRUCTIONS

LIGHTING INSTRUCTIONS

1. "STOP" Read the safety information above first.

2. To access controls, remove the front glass door from the unit and the control cover plate inside the firebox.

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.

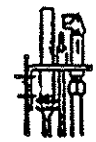


GAS VALVE

4. WAIT FIVE (5) MINUTES TO CLEAR OUT ANY GAS. If you then smell gas, STOP! Follow "B" in the safety information above. If you don't smell gas, go to 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 for glass door removal.

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 pilot lights but will not stay lit after two tries, turn the gas control knob to the "OFF" position and call your service technician or gas supplier. 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.

8. After the pilot has been lit, the burner can be turned on by turning the knob counter-clockwise to the "ON" position. Then flip the ON/OFF switch to the "ON" position.

9. Replace the control cover plate and the glass door on the unit.

TO TURN OFF GAS TO APPLIANCE

1. Turn the ON/OFF switch to "OFF".

2. Remove the front glass door from the unit and remove the control cover plate.

3. Turn the valve control knob clockwise to the "Pilot" position then depress knob and continue turning to "OFF" position.

4. Replace cover plate and glass door.

NOTE: After the unit has warmed up (i.e. approx. 15 min.), flame height should be slightly (about 2") below the top of the glass door (Figure 17). If the flame height is higher than this, adjustments must be made to prevent overheating the glass. Please contact your dealer or a qualified service person to replace the orifice or adjust the valve.

NOTE: THE TOPS OF THE FLAMES SHOULD NEVER HIT THE TOP OF THE FIREBOX.

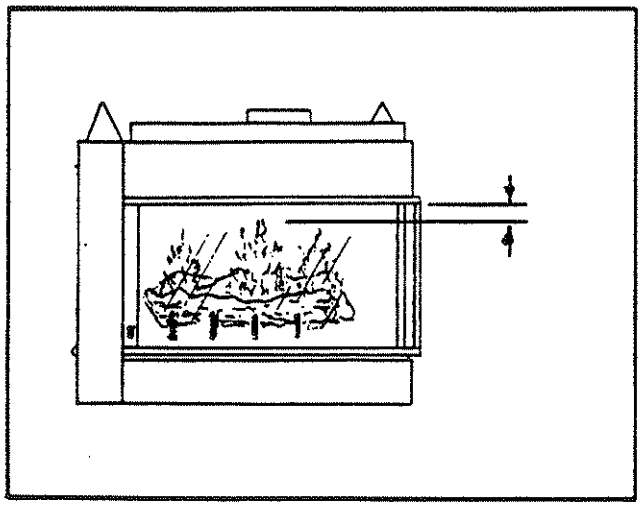


FIGURE 17

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 out- side 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.

8.0 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 the local gas utility for proper orifice size identification.

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.

9.0 TROUBLE SHOOTING - MODEL PIER-TV

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 shown 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	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 or misaligned electrode at pilot (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 imporoper gas/air mixture caused the bad lighting and a longer purge period is recommended. If pilot will not light - check gap 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 remote shut off vlaves 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.

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
II. Pilot will not stay lit after carefully following lighting instructions.	A. Defective pilot generator.	1. Check pilot flame. Must impinge on pilot generator. Clean and or adjust pilot for maximum flame impingement on generator. 2. Be sure wire connections from generator at gas valve terminals are tight and generator is fully inserted into pilot bracket. 3. Check thermogenerator with millivolt meter. Take reading at "TH-TP" and "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.
	B. Defective valve.	1. Connect the millivolt meter probes to the "TH TP" and "TP" terminals on the gas valve. Turn green knob to pilot position, depress and light pilot light. If meter reading is greater than 325 m.v. after 30 seconds, the pilot generator is good. If pilot does not stay lit, the valve is defective. If the meter reading is less than 325 m.v. the thermo-generator is defective.
	C. Open wire connection pilot circuit.	1. Check wire continuity and connections in pilot circuit.
	D. Glass door does not fully depress Microswitch.	1. Adjust glass so it fully depresses the microswitch. (Do not operate the unit with broken or cracked glass). 2. If fully depressed, place jumper wires across connectors and if it allows you to re-ignite, the switch should be replaced. Do not operate unit with jumper wires in place. When jumper wires are in place and the unit won't re-ignite, you may have problems with the wiring or connectors.

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
III. Pilot burning, no gas burner, valve knob "ON", "ON/OFF switch "ON".	A. "ON/OFF" switch or wires defective.	1. Check "ON/OFF" switch and wires for proper connection. 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. Thermo-generator may not be generating sufficient millivoltage. (325 m.v.)	1. Recheck Symptom #2. 2. Pilot flame not physically close enough to thermo-generator
	C. Defective valve.	1. Turn valve knob to "ON", place ON/OFF switch to "ON". Check with millivolt meter at generator 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.
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 thermo generator.
V. Pilot and main burner go out while being in operation.	A. High limit switch is defective or has reached its maximum.	1. Allow unit to cool. Then repeat lighting instructions. 2. If 1 above does not allow for ignition, place jumper wires across high limit switch. If you can re-ignite the pilot, high limit switch is defective. **Do not use fireplace until the high limit switch is replaced.** If the unit does not light with jumper wires in place the wires may be defective or the connectors are bad.

SYMPTOM	POSSIBLE CAUSE	CORRECTIVE ACTION
	B. Door microswitch is not fully depressed or defective.	1. Adjust glass so it fully depresses the microswitch. (Do not operate unit with broken or cracked glass). 2. If fully depressed, place jumper wires across connectors and if it allows you to re-ignite, the switch should be replaced. Do not operate unit with jumper wires in place. When jumper wire is in place and the unit won't re-ignite, you may have problems with the wiring or connectors.
	C. No L.P. in tank.	1. Check L.P. (Propane) tank. You may be out of fuel.
	D. Bad thermogenerator.	1. Replace if necessary.
	E. Improper vent cap installation.	1. Check for proper installation & 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. Vermiculite around burner. Air shutter or in the air hole beneath the burner	1. Inspect the area at the base of the burner. It is imperative that NO material be placed in this area.
	C. Improper venturi setting.	1. Adjust the air shutter at the base of the burner.
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 vermiculite has not been improperly placed at the base of the burner.

FOR MODEL PIER-TV-HSI
ADDENDUM FOR ELECTRONIC IGNITION SYSTEM
(Not for use in Canada)

This unit requires 110VAC service in order to operate. Connection to house wiring should ONLY be done by a Qualified Electrician.

FOR YOUR SAFETY READ BEFORE OPERATING HSI CONTROLS

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

A. This appliance does not have a pilot. It is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.

B. BEFORE Operating 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 turn the gas control knob. Never use tools. If the knob will not turn by hand, don't try to repair it, call a qualified service 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 and any gas control which has been under water.

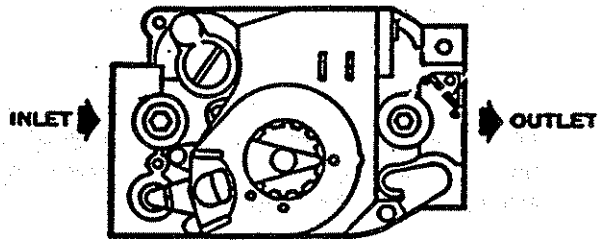
LIGHTING INSTRUCTIONS
PIER- TV-HSI CONTROLS
(Not for use in Canada)

1. STOP! Read the safety information on the "For Your Safety Read Before Operating" label.

2. To access controls, remove the front glass door from the unit and the control cover plate inside the firebox.

3. Turn off all electric power to the appliance.

4. This appliance is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.



5. Turn gas control knob clockwise to "OFF".

6. Wait five (5) minutes to clear out any gas. If you then smell gas, STOP! Follow "B" in the safety information on the label located on the previous page. If you don't smell gas, go to next step.

7. Turn on all electric power to the appliance.

8. Turn gas control knob counter-clockwise to "ON".

9. Flip ON/OFF rocker switch to "ON" and re-install the control cover plate and front glass door on the unit.

10. If the appliance will not operate, follow the instructions "To Turn Off Gas To Appliance" and call service technician or gas supplier.

TO TURN OFF GAS TO APPLIANCE

1. Flip ON/OFF switch to "OFF".

2. Turn off all electric power to the appliance if service is to be performed.

3. Remove the front glass door and control cover plate from the unit.

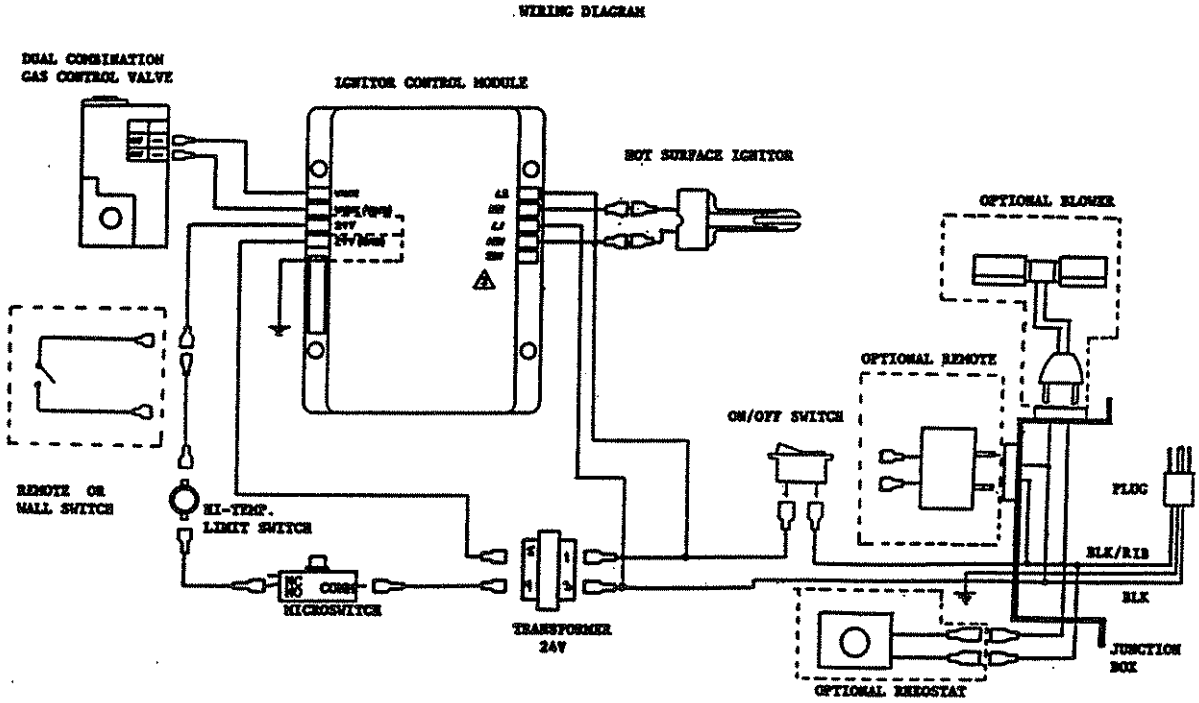
4. Turn gas control knob clockwise to "OFF". Do not force.

OPTIONAL SWITCH WIRING
MODEL PIER- TV-HSI
(Not for use in Canada)

An Optional Wall Switch (WSK-21) or Remote Control Switch (RCH-09A) may be wired to this appliance. The Wall Switch **DOES NOT** require 110-120 VAC electrical service connection. The remote control receiver **DOES** require 110-120 VAC which is obtained at the pre-installed junction box. Connect low voltage wires from the optional switch installed to the black wires (labeled Optional Wall Switch or Remote) found behind the lower grille. Set the unit's ON/OFF rocker switch to the "ON" position. Activate the optional switch installed to control the main burner of the unit. Detailed installation instructions for optional switches are found in each accessory kit.

NOTE: When using an optional switch in Model PIER- TV-HSI, a humming sound from the control system transformer may be audible when the burner is turned off. This sound will stop if the ON/OFF rocker switch is turned to "OFF".

WARNING: **DO NOT** CONNECT 110-120 VAC TO AN OPTIONAL WALL SWITCH INSTALLED TO THIS FIREPLACE.



LIMITED WARRANTY POLICY
FOR GAS TECHNOLOGIES, INC. GAS FIREPLACES

The limited two year warranty will not become effective until the completed warranty card has been mailed to GAS TECHNOLOGIES,INC., Savage, MN 55378. This card must be mailed within 60 days of the fireplace installation.

Subject to the conditions set forth herein, Gas Technologies, Inc. extends the following limited warranty with respect to Gas Technologies, Inc. Decorative Gas Fireplaces.

If Gas Technologies, Inc. is satisfied that any part or portion of the fireplaces covered by this warranty is defective in material or workmanship under normal use and service as described in the operating instructions, Gas Technologies, Inc. will take the following actions:

1. Within the first year from the date of installation, Gas Technologies, Inc. shall, at its option, replace or repair any such defect in material or workmanship, at Gas Technologies, Inc. expense. GAS TECHNOLOGIES, 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, GAS TECHNOLOGIES, INC. shall supply replacement parts at the current minimum wholesale price, but GAS TECHNOLOGIES, INC. SHALL NOT BE RESPONSIBLE FOR ANY LABOR, TRANSPORTATION, OR OTHER INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

3. During the first six months after installation, GAS TECHNOLOGIES, 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). GAS TECHNOLOGIES, 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.

Gas Technologies, 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.

Gas Technologies, 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.