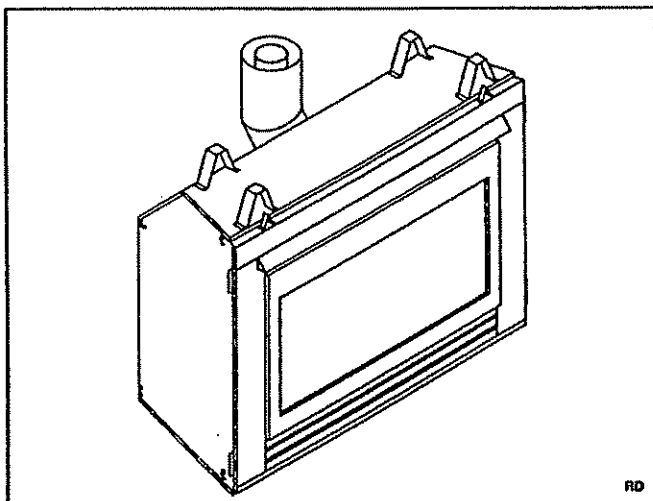


# INSTALLATION AND OPERATION INSTRUCTIONS

for **THE MAJESTIC**  
PRODUCTS COMPANY

(DIRECT VENT) GAS APPLIANCES

MODELS: G42HVpi, G42HVpiLP,  
G42HVadi, G42HVadiLP  
G36HVpi, G36HVpiLP,  
G36HVadi, G36HVadiLP



**WARNING: THE G36/42HV SERIES APPLIANCES ARE DIRECT VENT DECORATIVE GAS APPLIANCES. DO NOT BURN WOOD OR OTHER MATERIALS IN THESE APPLIANCES.**

**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.

Please read this manual before installing and using the appliance.

## FOR YOUR SAFETY

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

## FOR YOUR SAFETY

### WHAT TO DO IF YOU SMELL GAS.

- Do not try to light any appliance.
- Do not touch any electrical switch.
- Do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you are unable to reach your gas supplier, call the Fire Department.

**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.

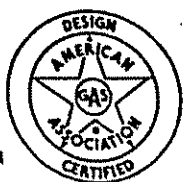
**DUE TO HIGH TEMPERATURES, THE APPLIANCE SHOULD BE LOCATED OUT OF TRAFFIC AND AWAY FROM FURNITURE AND DRAPERIES.**

**DO NOT PLACE CLOTHING OR OTHER FLAMMABLE MATERIAL ON OR NEAR THE APPLIANCE.**

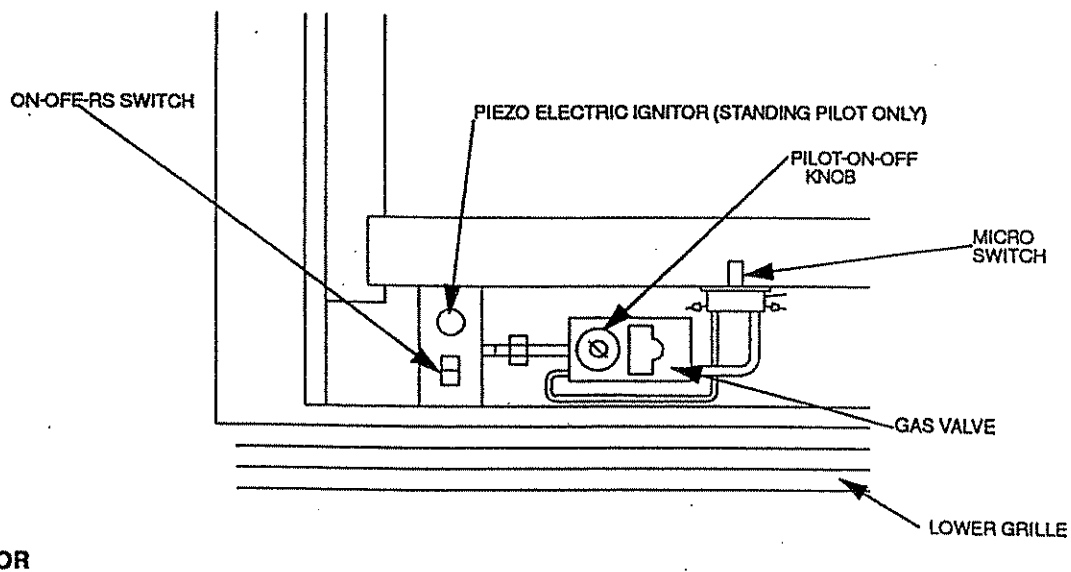
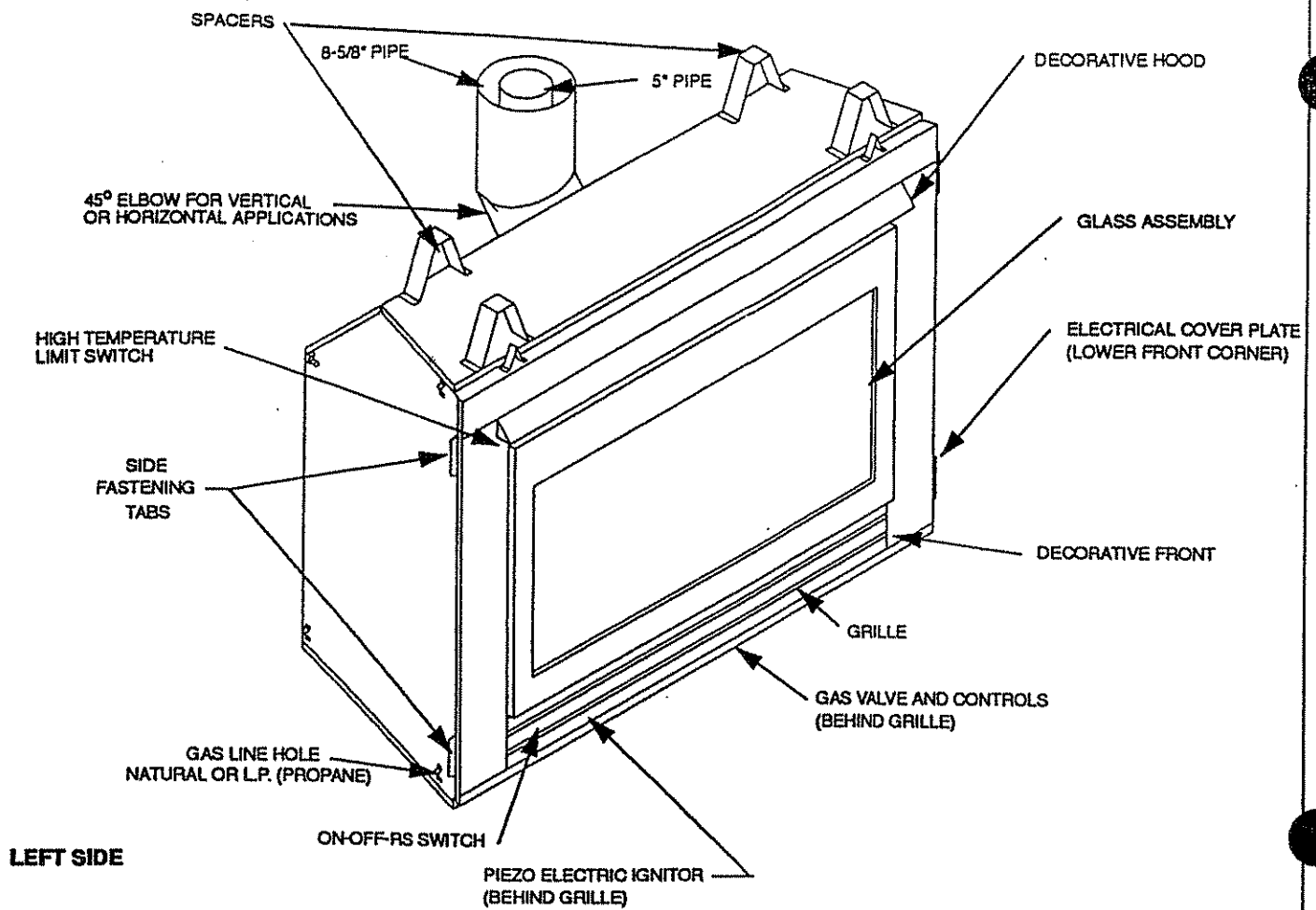
**CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURE AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION.**

**YOUNG CHILDREN SHOULD BE CAREFULLY SUPERVISED WHEN THEY ARE IN THE SAME ROOM AS THE APPLIANCE.**

**THE MAJESTIC**  
PRODUCTS COMPANY



# IDENTIFICATION OF PARTS



# TABLE OF CONTENTS

1.	GENERAL INFORMATION .....	3
1.1.	Introduction .....	3
1.2.	Installation Precautions .....	4
2.	INSTALLATION INSTRUCTIONS .....	5
2.1.	Positioning the Appliance .....	7
2.2.	Cutting the Hole .....	7
2.3.	Anchor Appliance Into Position .....	7
2.4.	Vent Assembly .....	8
2.5.	Installing Wall Band .....	8
2.6.	Installing Firestops .....	8
2.7.	Horizontal Terminations .....	9
2.8.	Vertical Terminations .....	9
2.8-1.	Penetrating the Roof .....	9
2.8-2.	Determining Minimum Vent Height Above the Roof .....	10
2.9.	Installing the Vent System in a Chase .....	10
2.10.	Framing .....	11
2.11.	Chase .....	11
2.12.	Connecting the Gas Line .....	13
2.13.	Electrical Wiring (GJB) .....	13
2.14.	Remote Switch Wiring .....	14
2.15.	Finish Wall .....	14
2.16.	Hearth Extension .....	14
2.17.	Burner Preparation .....	14
2.18.	Log Placement .....	15
2.19.	Glass Door Assembly .....	15
2.20.	Trim Kit Installation .....	15
3.	OPERATING INSTRUCTIONS .....	16
3.1.	First Firing .....	16
3.2.	Lighting Instructions for G36/42HVpi Equipped with Continuous Pilot .....	16
3.3.	Lighting Instructions for G36/42HVadi Equipped With Direct Ignition System .....	17
4.	MAINTENANCE .....	17
4.1.	Glass Assembly Removal .....	18
4.2.	Cleaning Burner, Pilot and Adi Ignitor .....	18
4.3.	Ceramic Log Replacement .....	18
4.4.	Glass Assembly Replacement and Glass Cleaning .....	18
4.5.	Safety Information .....	18
5.	TROUBLESHOOTING .....	20
5.1.	G36/42HVpi with Continuous Pilot .....	20
5.2.	G36/42HVadi with Direct Ignition .....	21
6.	REPLACEMENT PARTS .....	21
7.	ACCESSORY PARTS .....	22

## 1. GENERAL INFORMATION

The installation must conform with local codes or, in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1-1992 and with the National Electrical Code, ANSI/NFPA70 (latest edition).

For installation in Canada, the installation must conform with local codes or, in the absence of local codes, with the current CAN/CGA B149 Installation Code and the Canadian Electrical Code, Part 1 (CSA Standard C22.1).

**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 qualified service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartment, burners, and circulating air passageways of the appliance be kept clean.

Any safety screen or guard removed for servicing an appliance must be replaced prior to operating the appliance.

Provide adequate combustion and ventilation air.

The flow of combustion and ventilation air **MUST NOT** be obstructed.

Provide adequate clearances around air openings into the combustion chamber and adequate accessibility clearance for servicing and proper operation. **NEVER** obstruct the front opening of the appliance.

### 1-1. Introduction.

This appliance complies with national safety standards and is tested and design certified by AGA to ANSI Z21.50b-1990, and applicable portions of ANSI Z21.44-1991.

Installation must conform to local codes. In the absence of local codes, installation must conform with National Fuel Gas Code ANSI Z223.1-1992. The appliance when installed must be electrically grounded in accordance with local codes and with the National Electrical Code, ANSI/NFPA No. 70-Latest edition.

It is imperative that control compartment, burners, and circulating air passageways of the appliance be kept clean.

Minimum clearances to combustibles are: Sides 0", Floor 0", Back 0", Top 0", (these clearances are defined by the spacers). Minimum distance to the side wall is 1". Minimum distance from the ceiling to the top front of the unit is 31".

Input is 27,000 BTU/hr, Natural or LP (propane) for G36HV and 34,000 BTU/hr, Natural or LP (propane) for G42HV.

This appliance must be connected using the direct vent system supplied by MBS, which must be ordered separately.

This appliance and its individual shutoff 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).

Minimum inlet gas supply pressure is 4.5 inches water column natural gas and 11 inches water column propane. Maximum inlet gas supply pressure is 10.5" w.c. natural gas and 13.0" w.c. propane and manifold pressure should be set at 3.5" w.c. and 1 w.c. respectively.

A 1/8" 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.

### HIGH ELEVATION DERATING

A.G.A. design certified units are tested and approved for elevations up to 2,000 feet. For elevations above 2,000 feet, ratings should be reduced at a rate of 4 percent for each 1,000 feet above sea level. (See Page 3, Section 1.)

CGA approved units have been certified for elevations from 0-4,500 feet without any changes in input. When installing this unit at an elevation above 4,500 feet (in Canada), check with local authorities.

### 1-2. Installation Precautions.

1. This direct vent gas appliance and its components have been tested and will operate safely when installed in accordance with this Installation Manual. Read all instructions **before** starting installation and follow these instructions carefully **during** installation to maximize appliance benefit and safety. Failure to follow them will void your warranty and may present a fire hazard.

2. If exterior vinyl wall siding is going to be installed, or already has been, we recommend that a siding shield (DVSS) should be installed to protect the siding material. The shield should be installed after the cap has been installed.

Report to your dealer any parts damaged in shipment. Specifically check glass condition. The logs must be positioned on the grate provided as per Fig. 32 on page 15. Gas logs must be properly positioned or the appliance will not function properly and may result in soot accumulation on the inside of the firebox. Make sure there is no flame impingement on the logs.

**The Majestic warranty will be voided by, and Majestic disclaims any responsibility for, the following actions:**

- Installation of any damaged appliance or chimney component;
- Modification of the appliance or direct vent system;
- Installation other than as instructed by Majestic;
- Improper positioning of the gas logs or the glass doors;
- Installation and/or use of any component part or accessory not manufactured or approved by Majestic, notwithstanding any independent testing laboratory or other third party approval of such component part or accessory.

Any such action may create a possible fire hazard.

Consult your local building codes.

**THIS APPLIANCE AND VENT ASSEMBLY MUST BE VENTED THROUGH AN OUTSIDE WALL OR ROOF AND MUST NEVER BE ATTACHED TO A SOLID FUEL BURNING CHIMNEY.**

**WARNING: DO NOT OPERATE APPLIANCE WITH THE GLASS PANEL REMOVED, CRACKED OR BROKEN. REPLACEMENT OF PANEL SHOULD BE DONE BY A LICENSED OR QUALIFIED SERVICE PERSON.**

Only use 23 inch x 32 inch x 3/16 inch tempered glass door for the G36HV and 23 inch x 38 inch x 3/16 inch tempered glass for the G42HV appliance attached with silicone gasket supplied by MBS.

**WARNING: NEVER USE SUBSTITUTE GLASS PANELS OR ABUSE GLASS PANELS BY STRIKING AND CLOSING HARD.**

**WARNING: NEVER USE ABRASIVE CLEANERS OR CLEAN GLASS PANEL WHEN HOT.**

Prior to first firing, read "Operating 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 appliance and to replace any part of the control system and any gas control which has been under water.

**WARNING: THERE IS A POSSIBILITY OF ODOR FADE IN LP. NEVER INSTALL AN LP APPLIANCE OR SERVICE LINE BELOW GRADE WITHOUT A GAS DETECTOR.**

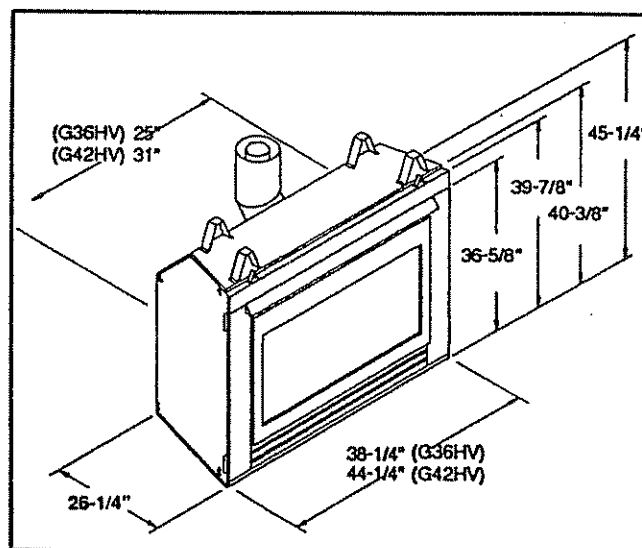


Fig. 1. Appliance dimensions.

For appliance framing dimensions (See Figs. 1 & 21.), 1/2" must be added on each side and to the depth.

This unit comes with the grate secured in place. Logs are in a separate package. The Vent Kits are in separate containers depending upon the type of installation.

Access to the gas control and piezo electric lighter is by opening the front lower grille.

The unit is designed to operate with all combustion air being siphoned through the concentric pipe from the outside.

The G36/42HV Series must use only approved vent components. No other pipe systems may be used.

The 5" and 8 5/8" concentric D-Series vent components are the only vents approved for use on this appliance. Use appropriate venting instructions when installing.

This gas appliance must not be connected to a chimney flue serving a separate solid-flue burning appliance.

The unit comes with a burner ON-OFF-RS switch that is located on the lower left, behind the front grille. The switch is for turning unit ON or OFF. Additionally, if the unit has the optional blower kit, the rheostat (variable speed control) is mounted in the bottom of the unit. The unit is shipped with a 45° elbow. The elbow may be used pointing straight out the back or pointing straight up.

**NOTE:** The outer pipe sections must be sealed with either metal tape or a silicone sealant rated to a minimum 250°F. The 5" flue sections do not require any sealant.

## 2. INSTALLATION INSTRUCTIONS

In planning the installation for the G36/42HV Series, it is necessary to install certain components before the appliance is completely positioned and installed. These include the direct vent system, gas piping for the appliance and the electrical wiring. (If the fan option or ADI is used.)

All installations require venting to the outside using the concentric pipe and vent cap.

The appliance can be mounted on any of the following surfaces:

1. A flat, hard combustible (burnable) 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 appliance is installed directly on carpeting, tile or other combustible material other than wood flooring, it should be installed on a metal or wood panel extending the full width and depth of the unit. There are three (3) basic types of installations. (See Figs. 2, 3, 4, 5 and 13.)

1. Straight out (4" - 13" wall thickness).
2. Extended straight out (13" - 24" wall thickness).
3. Vertical installations.

The Vent Kit Installation Instructions are included with the Vent Kit and should be used in conjunction with the appliance installation.

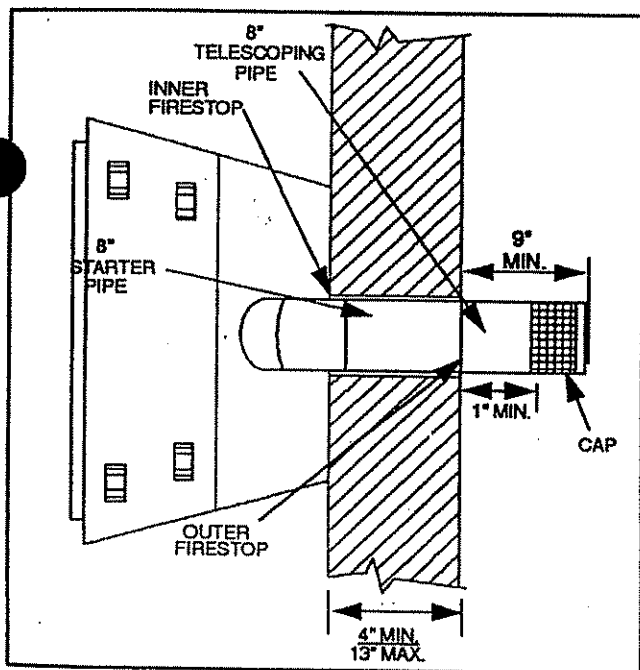


Fig. 2. Straight out installation (4" — 13" wall thickness).

Table 1 lists vent combinations with the 45° elbow supplied with the unit pointing straight out with MDVK-01D, MDVK-01SD, MDVK-02D or MDVK-02SD attached. The maximum straight out vent without any rise is 34.5" to the end of the cap. This would go through a 24" thick wall.

When terminating horizontally in a corner application, it is recommended that the 45° elbow supplied with the unit be installed in the vertical position. (See Fig. 4.)

90° elbow (DV90D) is then installed at a right angle to the exterior wall. Complete installation with the appropriate vent termination. The 90° elbow should be attached with three (3) sheet metal screws when properly seated but not twisted to obtain a 45° corner installation.

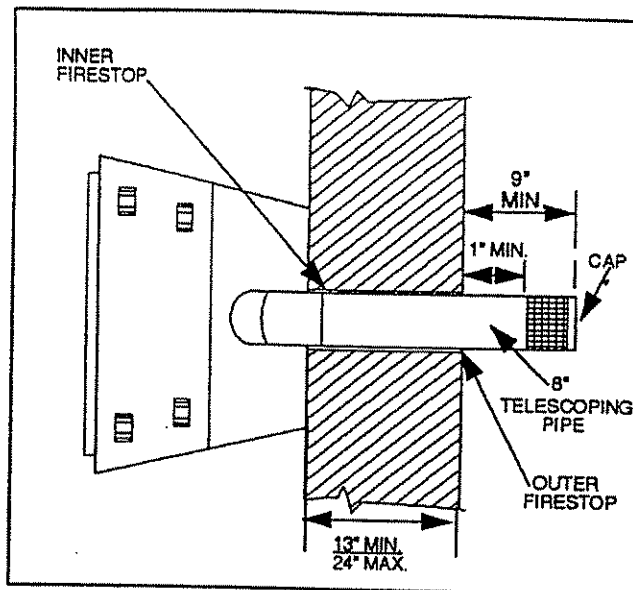


Fig. 3. Extended straight out installation (13" - 24" wall thickness).

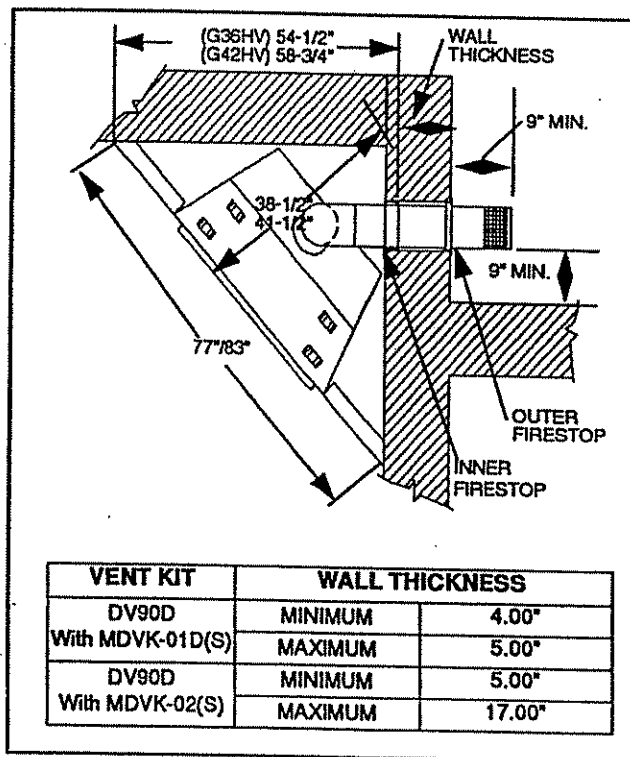


Fig. 4. Corner installation.

LAST VENT	TERMINATION KITS	WALL THICKNESS
ELBOW STRAIGHT OUT	MDVK-01D	Minimum 4.00"
	MDVK-01(S)D	Maximum 8.50"
	MDVK-02D	Minimum 8.50"
	MDVK-02D(S)	Maximum 17.00"
ELBOW STRAIGHT OUT WITH DV1	MDVK-02D	Minimum 15.75"
	MDVK-02D(S)	Maximum 24.00"

Table 1. Termination requirement.

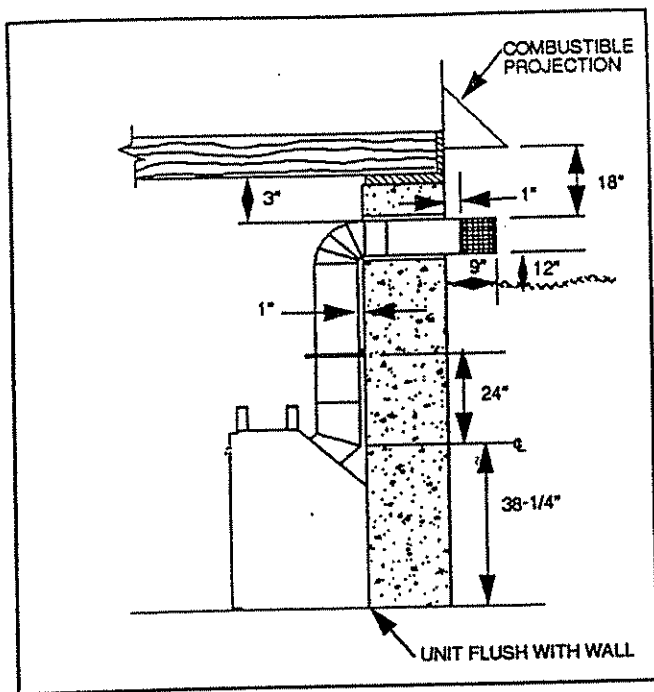


Fig. 5. Basement installation (4" — 13" wall thickness).

Figure 5 and Table 2 lists examples of possible venting systems using one (1) 90° elbow. V is listed as minimum vertical dimensions and H is listed as maximum horizontal dimensions. Other combinations of a one (1) 90° elbow system must have at least 1 foot vertical rise for each 5 feet of horizontal run. The maximum vertical and horizontal distances for one (1) 90° elbow as shown in Figure 6 are 20 feet and 25 feet respectively. Vertical dimensions are based on centerline to centerline of pipe. Horizontal dimensions are based on centerline of pipe to end of termination.

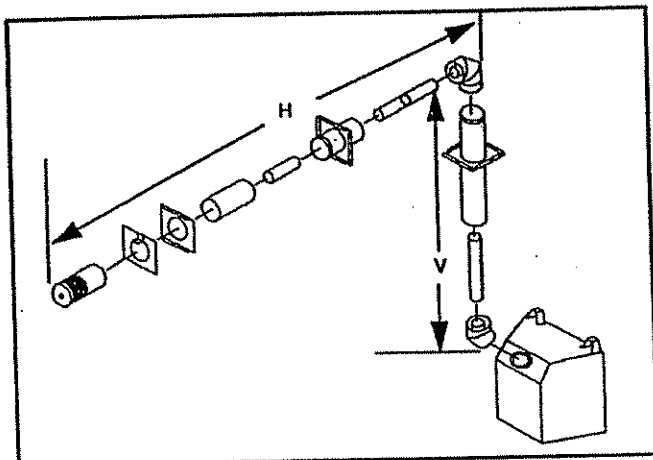


Fig. 6. One (1) 90° elbows.

VENTING WITH ONE (1) 90° ELBOW			
NEEDED FOR VERTICAL RISE	*V (FT.)	**H (FT.)	NEEDED FOR HORIZONTAL RUN
1 - DV90D	1' Minimum	5' Maximum	1 - DV03, 1 - M DVK-01D OR MDVK-02D
1 - DV90D, 1 - DV1D	2' Minimum	10' Maximum	2 - DV3D'S, 1 - MDVK-01D OR MDVK-02D
1 - DV90D, 1 - DV17-24D	3' Minimum	15' Maximum	4 - DV3D'S, 1 - MDVK-01D OR MDVK-02D
1 - DV90D, 1 - DV3D	4' Minimum	20' Maximum	6 - DV3D'S, 1 - MDVK-01D OR MDVK-02D
1 - DV90D, 1 - DV3D, 1 - DV1D	5' Minimum	25' Maximum	7 - DV3D'S, 1 - M DV 17-24D, 1 MDVK-01D OR MDVK-02D
* 20' Maximum			
** 25' Maximum			

Table 2. One (1) 90° elbow.

Figure 7 and Table 3 lists examples of possible venting systems using two (2) 90° elbows. V is listed as minimum vertical dimensions and  $H_1 + H_2$  is listed as total of maximum horizontal dimensions. Other combinations of two (2) 90° elbows in system may be used as long as there is 1 foot of vertical rise for each 4 feet of horizontal run. The maximum vertical and horizontal distances for two (2) 90° elbows as shown in Figure 7 are 20 feet.

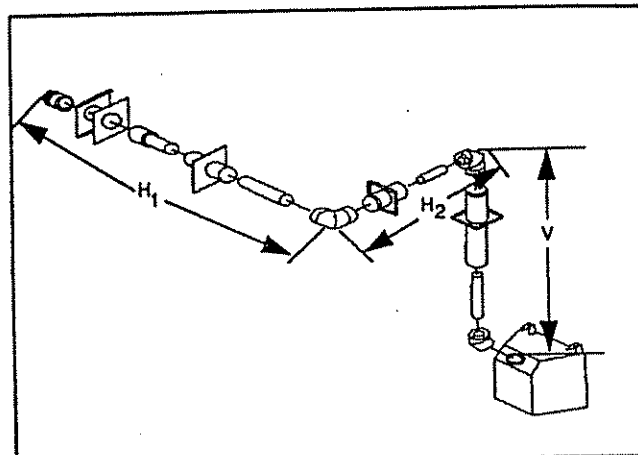


Fig. 7. Two (2) 90° elbows.

VENTING WITH TWO (2) 90° ELBOWS	
*V (FT.)	**H <sub>1</sub> + H <sub>2</sub> (FT.)
2' Minimum	6' Maximum
3' Minimum	12' Maximum
4' Minimum	18' Maximum
5' Minimum	20' Maximum
* 20' Maximum	
** 20' Maximum	

Table 3. Two (2) 90° elbows.

The maximum vertical rise of 20 feet may be used with a maximum horizontal run of 25 feet with one 90° elbow or 20 feet with two 90° elbows. For all installations, the 5" and 8-5/8" 45° elbow must first be attached to the unit in a vertical position with the end pointing straight up, or horizontal position with the end pointing straight out.

**NOTE:** The outer pipe sections must be sealed with either metal tape or a silicone sealant rated to a minimum 250°F. The 5" flue sections do not require sealant.

**CAUTION:** Total vertical run **MUST BE** completed before starting horizontal run. Horizontal chimney run must be level. Under no circumstance should combustible materials (including siding) be closer than 3" from the top of the 8-5/8" pipe or closer than 1" on the side and bottom. When vinyl siding is going to be used on the exterior wall, a siding shield (DVSS) should be installed using the instruction with the shield. Center the shield over the cap using the three (3) self-tapping 1/4" screws provided with the shield. Attach the shield to the existing exterior firestop.

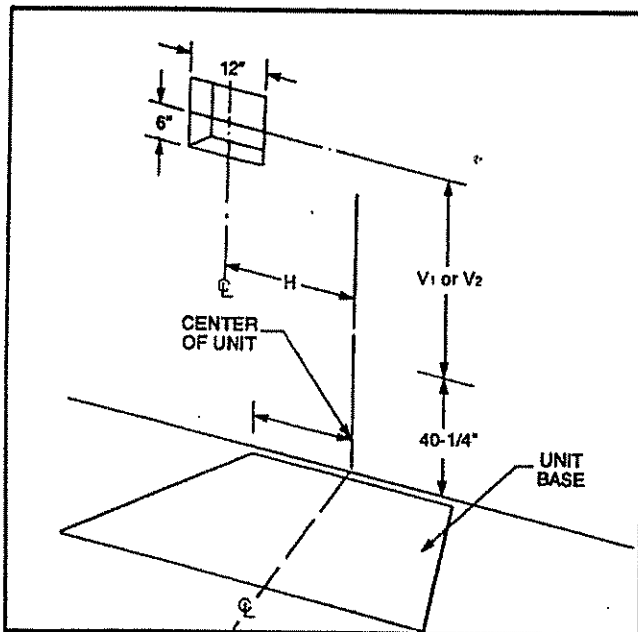


Fig. 8. Hole dimensions.

### 2-1. Positioning the Appliance.

Determine the exact position of the appliance so the direct vent termination will be centered (if possible) between two (2) studs. This will avoid any extra framing. All vent kit pipes should be assembled on the unit after the unit is moved into the final position.

### 2-2. Cutting the Hole.

After the appliance has been positioned in its permanent location, the hole through the exterior wall of the house can be cut. This hole needs to be 12" square with its center line determined by the amount of vertical rise and horizontal run of the termination. (See Figs. 2, 3, 4 and 5.) When locating the hole it must be noted that the bottom of the cap must be 12" above the ground level, and top of the cap must be no less than 18" below a combustible projection, and no closer than 9" to any wall running parallel to vent termination. (See Figs. 8, 9 and 10.)

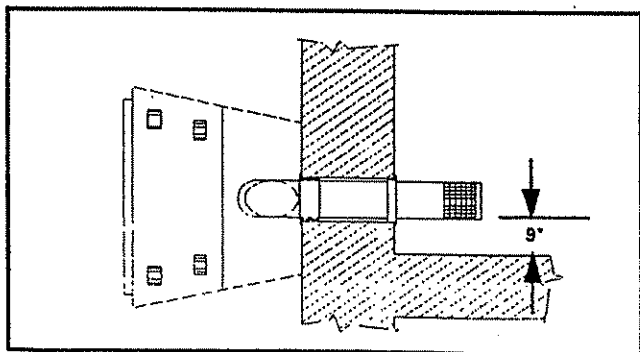


Fig. 9. 9" minimum to parallel wall to vent cap.

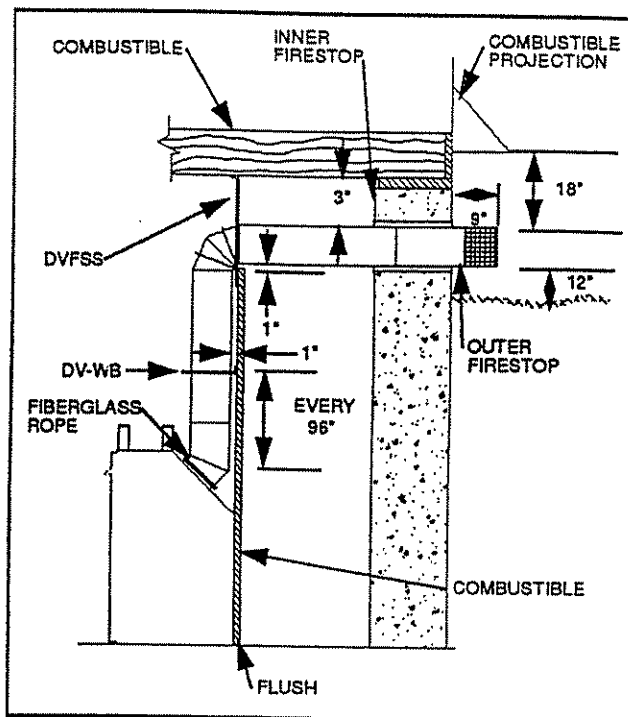


Fig. 10. Typical installation.

### 2-3. Anchor Appliance Into Position.

To prevent the unit from shifting, the appliance should be anchored. Two (2) methods are possible: Use bottom fastening tabs as shown in Fig. 11, or use the standoffs on the top of the appliance. A nail may be driven through the standoff at the front of the appliance into the header as shown in Fig. 12.

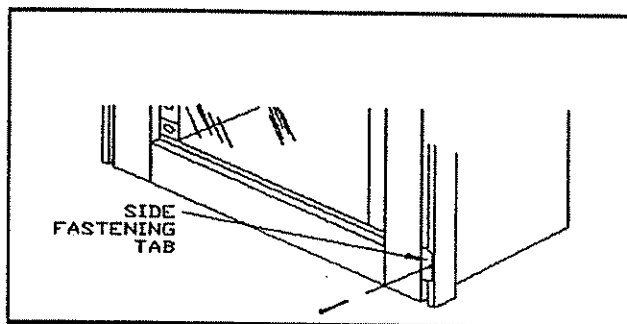


Fig. 11. Permanent positioning using side fastening tabs.

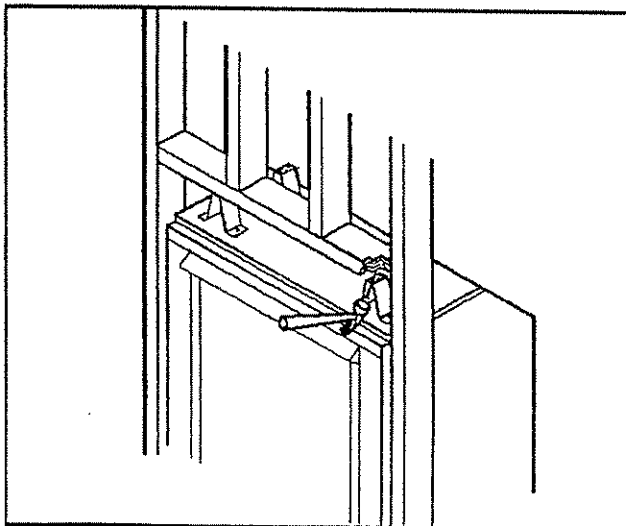


Fig. 12. Permanent positioning using the standoffs.

## 2-4. Installing Vent Components.

Begin the vent system installation by installing the first component, 45° elbow (supplied) to the starting collars on the back of the appliance, then the straight pipe length, elbow, horizontal or vertical termination kit.

**NOTE: All 8-5/8 inch outer connection joints must be sealed with aluminum tape or silicone sealant rated above 250°F. The 5 inch inner flue sections do not require any sealant.**

All vent system components lock into place by sliding the concentric pipe section with four (4) equally spaced interior beads onto the appliance collar or previously installed component end with four (4) equally spaced indented sections. When the internal beads of each starting 8-5/8 inch outer pipe line up, rotate pipe section clockwise 90° (approximately 3-inches). The vent pipe is now locked together.

Continue adding components per the pre-planned vent system configuration. Be certain that each succeeding vent

component is securely fitted and locked into the preceding component in the vent system.

## 2-5. Installing Support Brackets.

A horizontal pipe support (DV-HPSD) **MUST BE** used for each 5 feet of horizontal run. The pipe supports should be placed around 8-5/8 inch diameter pipe and nailed in place to framing members. There **MUST** be a 3-inch clearance to combustibles above 8-5/8 inch diameter pipe and elbows and 1 inch clearance on both sides and bottom of 8-5/8 inch to combustibles on all horizontal pipe sections and elbows. (See Fig. 10.)

Vertical runs of this vent system must be supported every 8 feet above the fireplace flue outlet by wall brackets (DV-WBD) attached to the 8-5/8 inch vent pipe and secured with nails or screws to structural framing members. (See Fig. 14.)

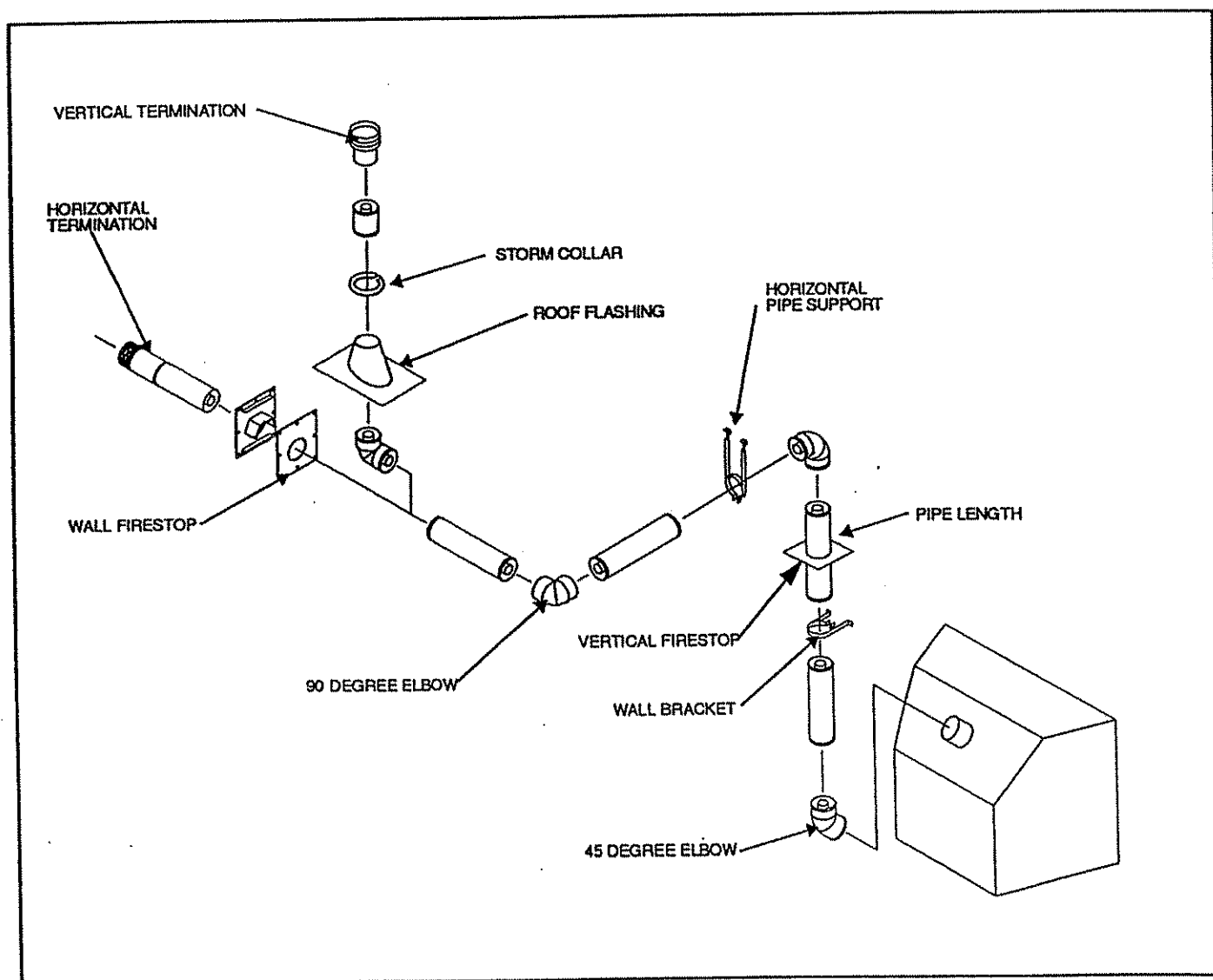


Fig. 13. Vent system identification.



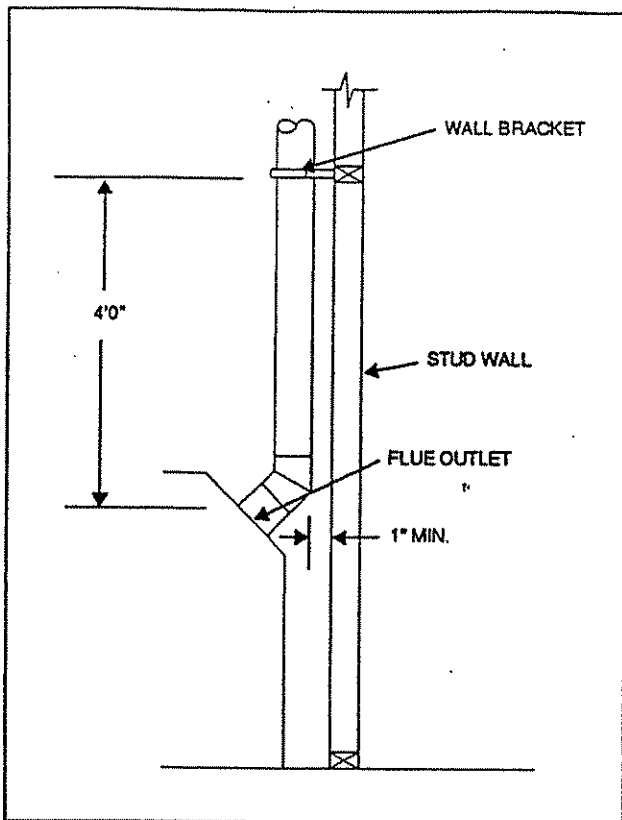


Fig. 14. Wall bracket installation.

## 2-6. Installing Firestops.

Firestops are required for safety whenever the vent system passes through an interior wall, an exterior wall, or a ceiling. These firestops act as a firebreak heat shield and as a means to insure that minimum clearances are maintained to the vent system.

Horizontal runs in the vent system which pass through either interior or exterior walls, require the use of wall firestops (DV-FWD) on both sides of the wall through which the vent passes.

Cut a 12-inch x 12 inch hole through the wall — the center of the hole is 1 inch above the center of the horizontal vent pipe.

Position the firestops on both sides of the 12 inch x 12 inch hole, previously cut. Secure with nails or screws. The heat shields of the firestops **MUST** be placed towards the top of the hole. (See Fig. 15.) Continue the vent run through the firestops.

Vertical runs of this vent system which pass through ceilings require the use of **ONE** (1) ceiling firestop (DV-FCD) at the hole in each ceiling through which the vent passes.

Position a plumb bob directly over the center of the vertical vent component and mark the ceiling to establish the center point of the vent. Drill a hole or drive a nail through this center point and check the floor above for any obstructions such as wiring or plumbing runs. Reposition the appliance and vent system, if necessary, to accommodate ceiling joists and/or obstructions.

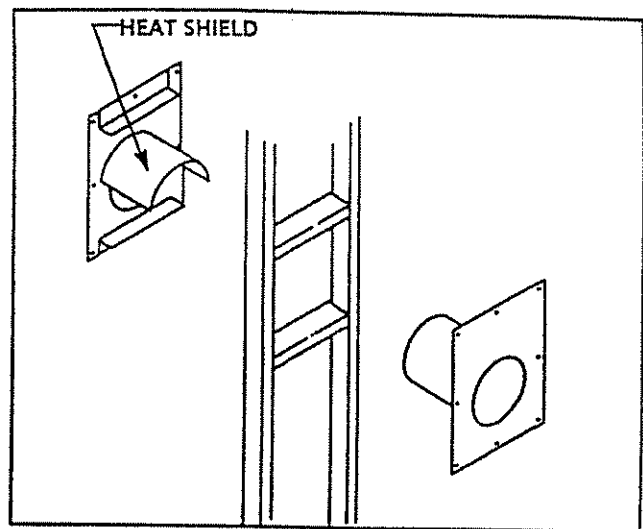


Fig. 15. Wall firestop installation.

Cut an 11 inch x 11 inch hole through the ceiling, using the center point previously marked. Frame the hole with framing lumber the same size as the ceiling joists. (See Fig. 16.)

If the area above the ceiling is **NOT** an attic, position and secure the ceiling firestop (DV-FCD) on the ceiling side of the previously cut and framed hole. (See Fig. 18.) If the area above the ceiling **IS** an attic, position and secure the firestop on top of the previously framed hole. (See Fig. 17.)

**NOTE:** Remove insulation from the framed area in the attic before installing the firestop and/or vent pipes.

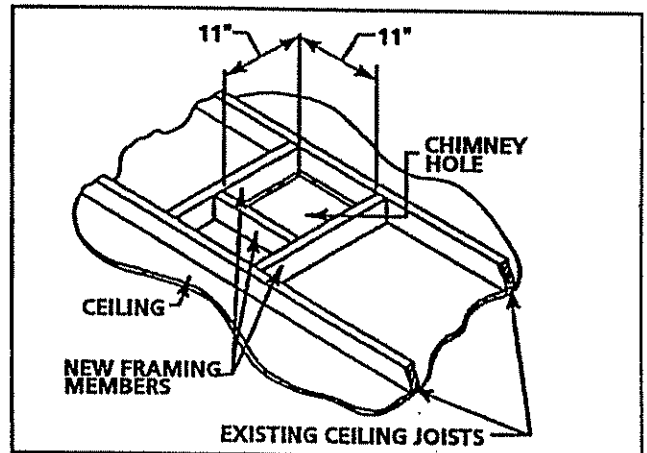


Fig. 16. Installation of DV-SCD.

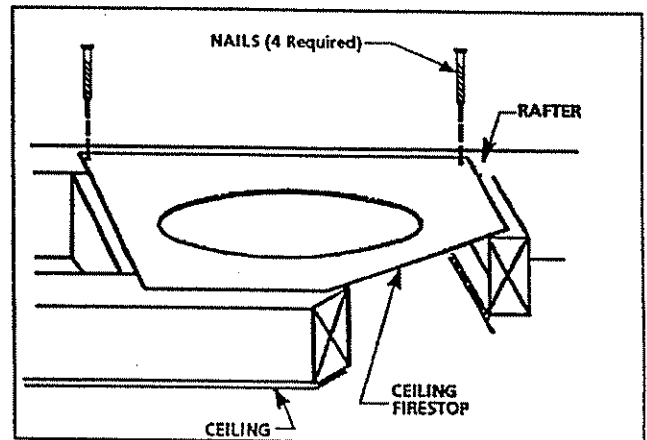


Fig. 17. DV-SCD position when area above is an attic.

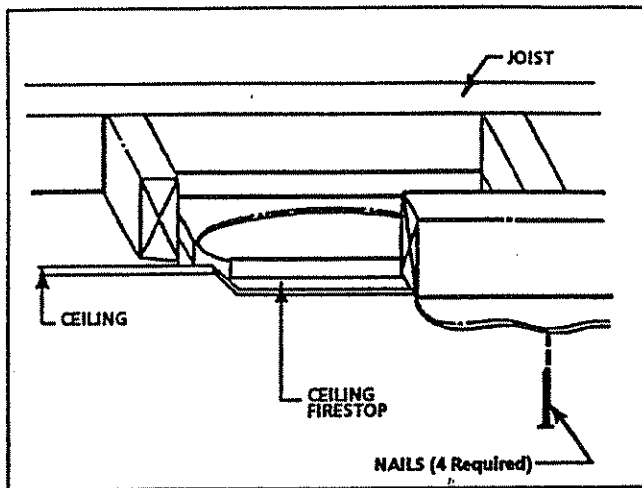


Fig. 18. DV-FCD position when area above is not an attic.

## 2-7. Horizontal Terminations.

MDVK-01D, MDVK-02D, MDVK-01SD and MDVK-02SD are telescoping vent kits which are used to terminate a vent system in a horizontal position. MDVK-01D and MDVK-02D have pre-assembled round termination caps MDVK-01SD and MDVK-02SD have pre-assembled square termination caps.

Attach and secure the termination to the last section of horizontal vent by twist-locking as previously described.

**NOTE:** The termination kit should pass through the wall firestops from the exterior of the building.

Adjust the termination cap to its final exterior position on the building.

For round and square cap termination kits, use the exterior pipelock tab provided on the exterior firestop to secure the 8-5/8 inch pipe in place. Use a fiberglass rope gasketing or 250° silicone sealant to seal between the 8-5/8 inch pipe and exterior firestop.

**CAUTION: UNDER NO CONDITION SHOULD COMBUSTIBLE MATERIAL BE CLOSER THAN 3 INCHES FROM THE TOP OF THE 8 INCH PIPE WITH A 1 INCH CLEARANCE TO THE SIDES AND BOTTOM.**

**WARNING:** The bottom of the vent termination cap **MUST** be a **MINIMUM** of 12 inches above ground level (grade). Additional minimum clearances to the vent cap may vary per gas appliance and are shown in the appliance instruction manual. These clearances **MUST** be followed. (See Figs. 10 and 22.)

## 2-8. Vertical Terminations.

DVK-TVCD termination cap must be used to terminate vent system in a vertical position. Vertical terminations may be run straight up a minimum of 5 feet or a maximum of 40 feet. Vertical terminations may also be used after vertical and horizontal runs. For every six (6) feet of horizontal run a one (1) foot vertical rise should be used.

### 2.8-1. Penetrating the Roof.

Using the same procedure as described in Section 2.6, locate and mark the vent centerpoint on the underside of the roof and drive a nail through this centerpoint. Make the outline of the roof hole around the centerpoint nail.

**NOTE:** The size of the roof hole and hole framing dimensions depend upon the pitch of the roof. **THERE MUST BE A 1 INCH CLEARANCE FROM THE VENT PIPE TO COMBUSTIBLE MATERIALS.** Mark the roof hole accordingly.

Cover the opening of the installed vent pipes and cut and frame the roof hole. Use framing lumber the same size as the roof rafters and install the frame securely. Flashing anchored to the frame must withstand heavy winds.

### 2.8-2. Determining Minimum Vent Height Above the Roof.

**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. These specifications are summarized in the Ten Foot Rule. (See Fig. 19.)

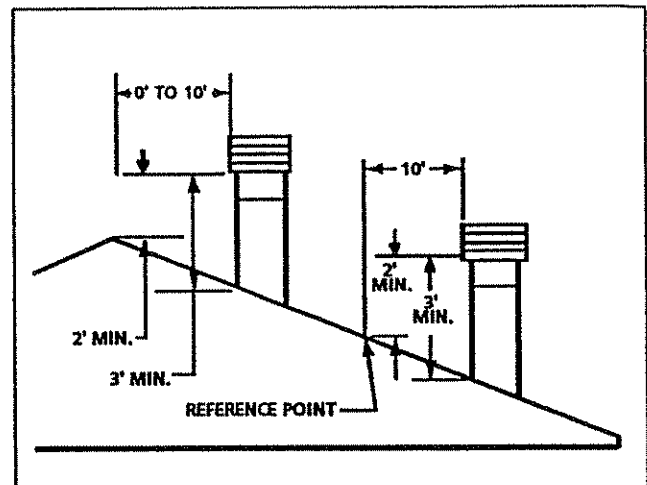


Fig. 19. Ten foot rule for chimney height.

The key points of this rule are:

1. If the horizontal distance from the edge of the vent or chimney to the peak of the roof is 10 feet or less, the top of the vent or chimney must be at least 2 feet above the peak of the roof, but never less than 3 feet in height above the highest point where it passes through the roof.
2. If a horizontal distance from the edge of the vent or chimney to the peak of the roof is more than 10 feet, a vent or chimney height reference point is established that is on the surface of the roof a distance of 10 feet from the edge of the vent or chimney in a horizontal plane. (See Fig. 19.) The top of the vent or chimney must be at least 2 feet above this reference point, but never less than 3 feet in height above the highest point where it passes through the roof.

**NOTE:** This also pertains to vertical vent systems installed on the outside of the building.

Continue to install concentric 5 inch and 8-5/8 inch diameter vent sections up through the roof hole (inside vent installation) or up past the roof line (outside vent installation) until you reach the appropriate distance above the roof.

Install an 8-5/8 inch diameter flashing and an 8-5/8 inch diameter storm collar to seal the roof hole and to divert rain and snow away from the vent system.

The flashing should be nailed to the roof. A non-hardening mastic should be used around the edges of the flashing base where it meets the roof. Non-hardening mastic is placed around the joint between the flashing and the vertical vent pipe and the storm collar is then placed over this joint to make a water tight seal.

Slide the termination cap (Model DVK-TVCD) over the ends of the vent pipe and secure with provided sheet metal screws. (See Fig. 20.)

## 2-9. Installing the Vent System in a Chase.

A chase is a vertical box like structure built to enclose the gas appliance and/or its vent system. Vertical vent runs on the outside of a building may be, but are not required to be, installed inside a chase.

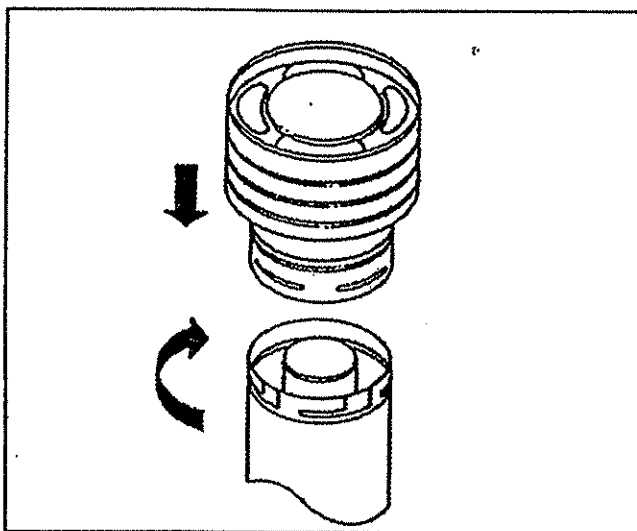


Fig. 20. Vertical termination.

**CAUTION:** Treatment of firestop spacers and construction of the chase may vary with the type of building. These instructions are not substitutes for the requirements of local building codes. Therefore, your local building codes must be checked to determine the requirements for these steps.

**NOTE:** When installing this vent system in a chase, it is always good building practice to insulate the chase as you would the outside walls of your home. This is especially important for cold climate installations. Upon completion of building your chase framing, install the vent system by following the instructions in this manual. Remember to build the chase large enough so that minimum clearance of combustible materials (including insulation) to the vent system are maintained.

## 2-10. Framing.

Appliance framing can be built before or after the appliance is set in place. The appliance framing should be constructed of 2 x 4 lumber or heavier. Refer to framing data for basic appliance dimensions that will affect the framing dimensions. (See Fig. 21.)

The header may rest on top of the appliance standoffs which are five inches above the top of the unit. Framing should be positioned to accommodate wall covering and appliance facing material.

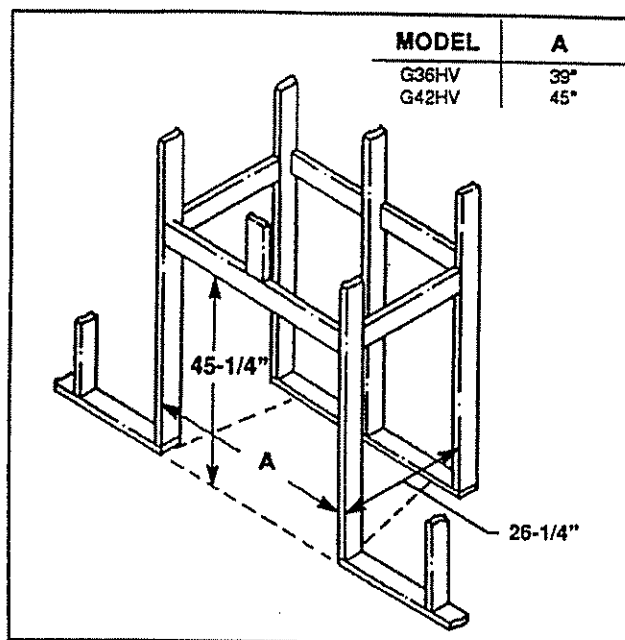


Fig. 21. Framing dimensions.

## 2-11. Chase.

To install the G36/42HV Series using a flush mount, it is necessary to cut and frame a hole in the wall, build an exterior support platform and build and insulate a small exterior chase.

The support platform (See Fig. 23) must be a minimum of 26-1/4 inches deep and 44-1/4 inches wide for the G42HV or 26-1/4 inches deep and 38-1/4 inches wide for the G36HV. Inside dimensions of the support platform can be tapered to match the contour of the unit. Although it is easier to use the rectangular dimensions.

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

### A. BUILDING AND INSULATING THE CHASE

A chase is a box-like structure built to enclose the appliance. While the G36/42HV Series does not require a full chase for the chimney system, it does require a small chase when it is installed as shown in Fig. 24. Minimum dimensions are given.

When installing a direct vent gas appliance in a chase, it is always good building practice to insulate the chase as you would the outside wall of your home.

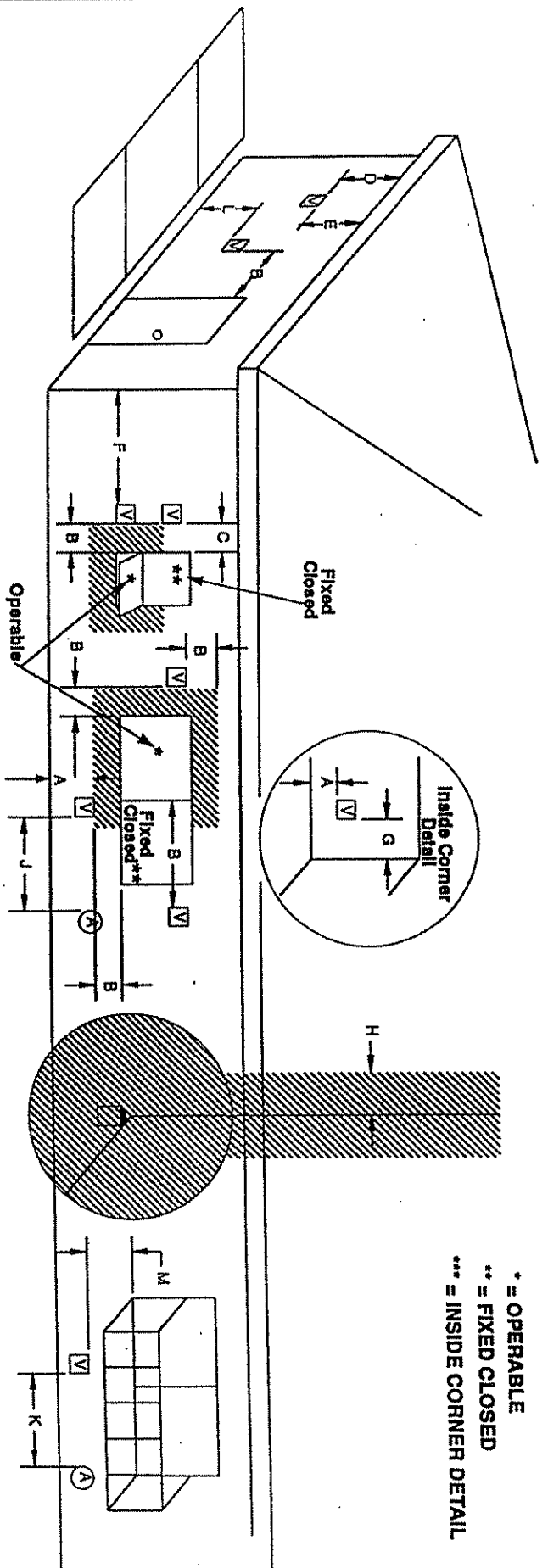


Fig. 22. Vent terminal locations.

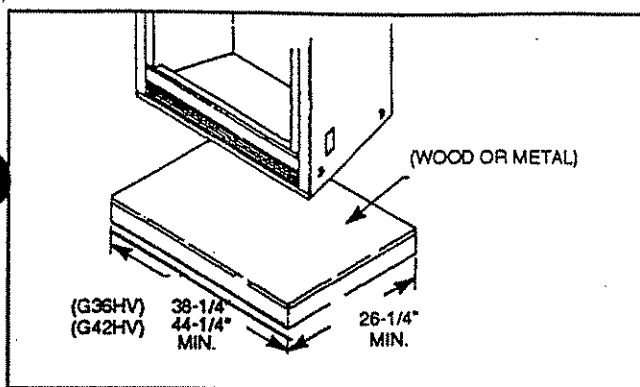


Fig. 23. Support platform

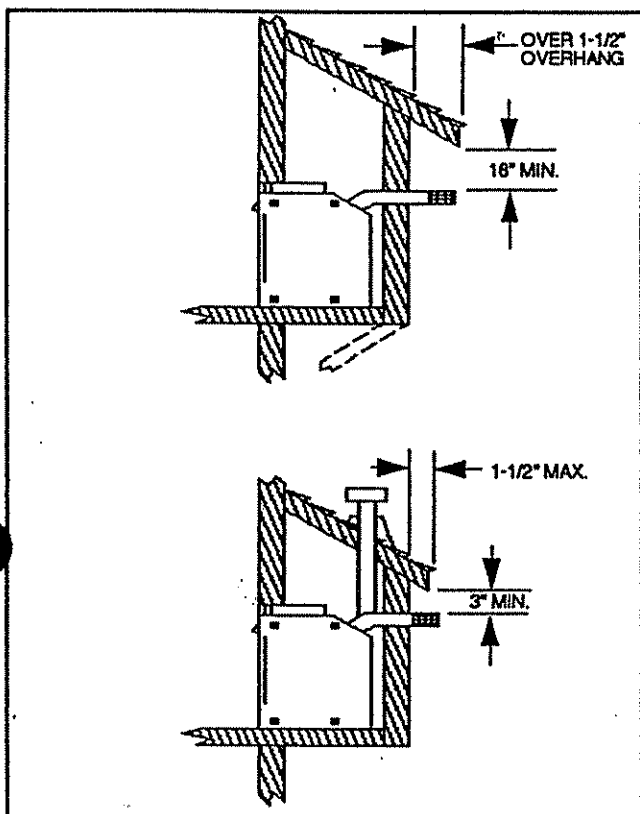


Fig. 24. Chase installation.

## 2-12. Connecting the Gas Line.

Route the 3/8" gas line to the left side of the firebox compartment. The G36/42HV Series appliance is designed to accept a 3/8" gas line for an approved gas appliance. Have the gas line installed by a qualified service person in accordance with all building codes. If the length of run is greater than 25 feet, a 1/2" pipe is recommended to the unit with a reduction to 3/8" for the hookup at the unit.

Locate the gas line access hole in the left outer casing of the appliance. (See Fig. 25.)

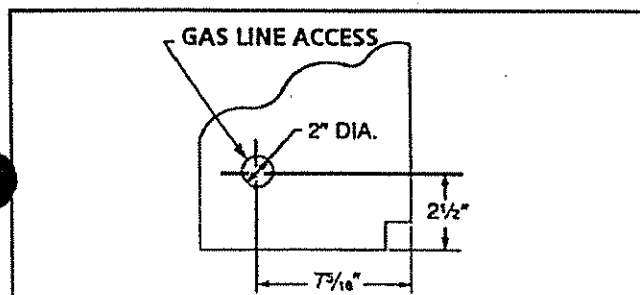


Fig. 25. Gas line access.

Next, insert a 3/8-inch gas pipe through the gas line hole from the outside of the appliance. Now, install the 3/8-inch gas pipe through the opening and connect it. Support the control when attaching the pipe, so that the pilot line is not bent or torn. After the gas pipe installation is complete, use insulation to repack the space around the pipe. This should be inserted from the outside of the appliance 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 one inch away from the appliance side.

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

## 2-13. Electrical Wiring (GJB).

The wiring for the optional blower must be done before the unit is finished. The junction is positioned on the lower right side of the unit. Remove the cover plate and hook up the wiring as shown in Fig. 26. Detailed instructions for the optional blower are included with the kit. The GJB is already installed on all units as a standard feature.

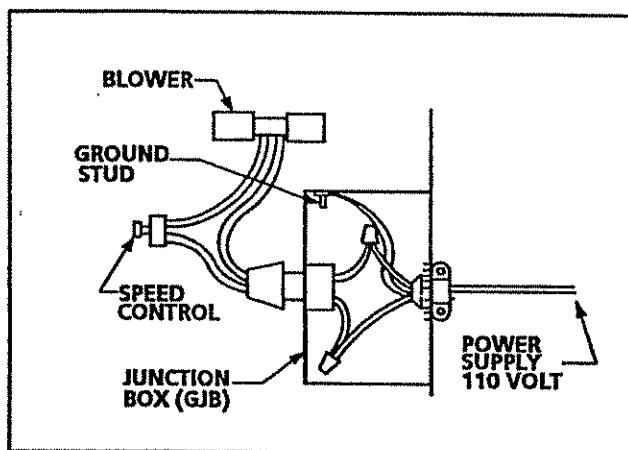


Fig. 26. Wiring for optional blower.

## 2-14. Remote Switch Wiring.

ON-OFF-RS SWITCH is located at the bottom left of the appliance behind the louvered grille. Pull louvered grille from the top towards yourself and rotate downward.

Insert connectors of remote switch into terminals (behind ON-OFF-RS switch) "RS" and "ON", respectively. (See Figs. 27 and 28.)

ON-OFF-RS SWITCH is shown in Fig. 28. in the "OFF" position. Your remote switch will only work with the three position ON-OFF-RS SWITCH depressed on the "RS" (front) side. Your remote switch is now ready for use. The switch will not work when the ON-OFF-RS SWITCH is in the "OFF" (middle) position or "ON" (back) position.

## 2-15. Finish Wall.

**CAUTION:** All joints between the finished wall and the appliance surround (top and sides) can only be sealed with non-combustible material. Only non-combustible material can be applied as facing to the appliance surround.

**WHEN FINISHING THE APPLIANCE, NEVER OBSTRUCT OR MODIFY THE AIR INLET/OUTLET GRILLES IN ANY MANNER.**

Finish the wall with the material of your choice. Do not install a combustible mantel or other combustible projection more than 8 inches wide above the appliance opening unless it is a minimum of 12 inches above the lower front edge of the decorative hood. (See Fig. 29.)



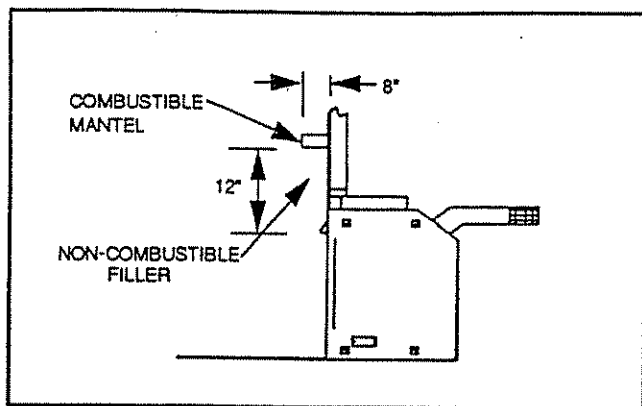


Fig. 29. Mantel extension.

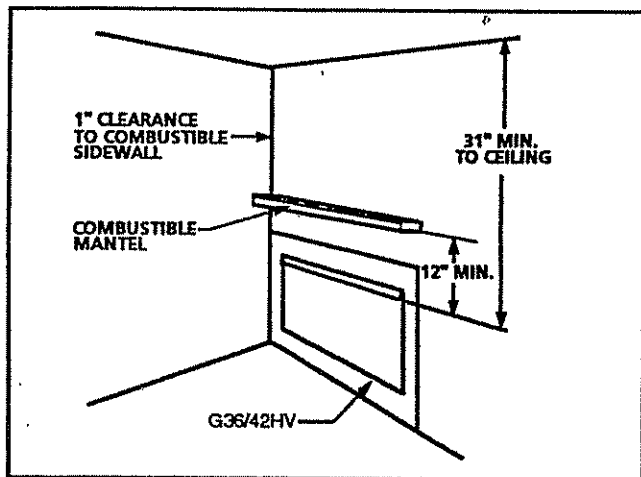


Fig. 30. Mantel clearance.

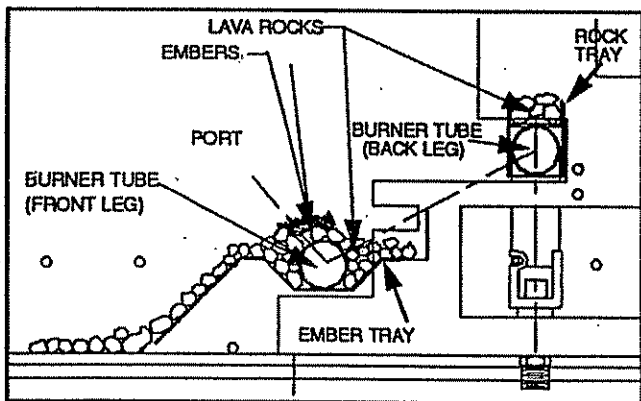


Fig. 31. Burner preparation.

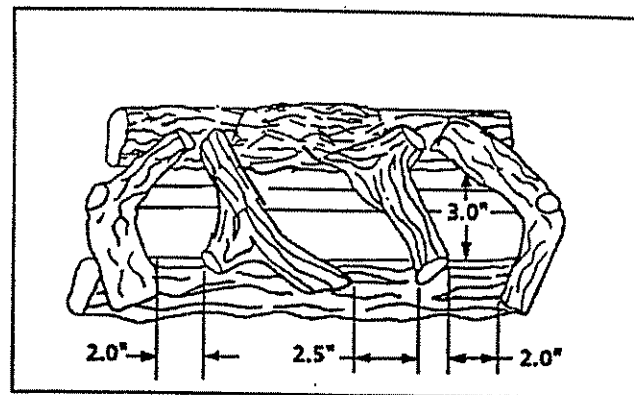


Fig. 32. Gas Log Positioning.

**NOTE:** If glass does not push against the microswitch, the pilot will not stay lit or the adi system will not light burner.

3. With glass panel in place, push glass against unit and at the same time, put brackets on sides of assembly and hand tighten the wing nuts provided. The longest glass clip attaches to the top in the middle.

4. Attach the brackets at the top and bottom of the glass and hand tighten. (See Fig. 33.)

**NOTE:** Wing nuts that secure glass only need to be **HAND TIGHT** to give a snug fit for proper gasket seal. Overtightening may result in damaged glass.

5. Replace trim kit, and installation is complete.

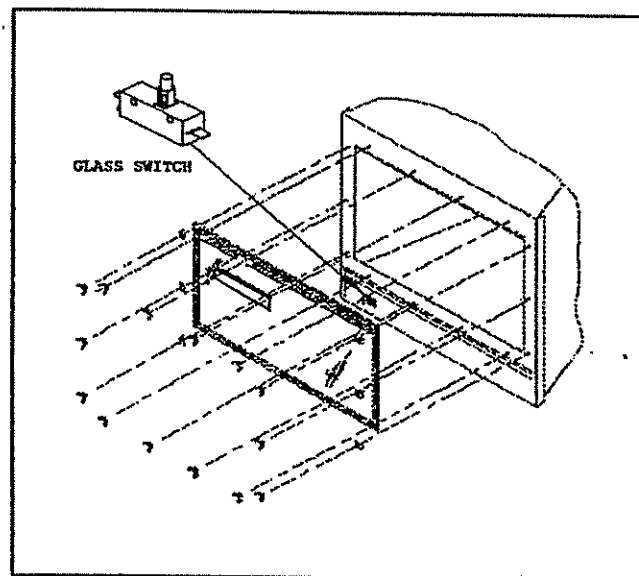


Fig. 33. Installation of glass panel.

## 2-20. Trim Kit Installation.

1. Attach trim assembly to surround of appliance by hooking top two (2) brackets over sides of combustion chamber in area shown in Fig. 34 and with two (2) sheet metal screws provided at bottom left and right. Top of trim assembly (widest part) should be level with top of combustion chamber and bottom of trim assembly should allow clearance for opening of bottom grille.

2. Attach hood to surround top by inserting hood between surround top and pressure clips. The 45° angle on the hood should be approximately flush with the face of the top surround.

3. Snap three (3) bottom trim strips onto lower grille. (Available only with brass trim kit.)

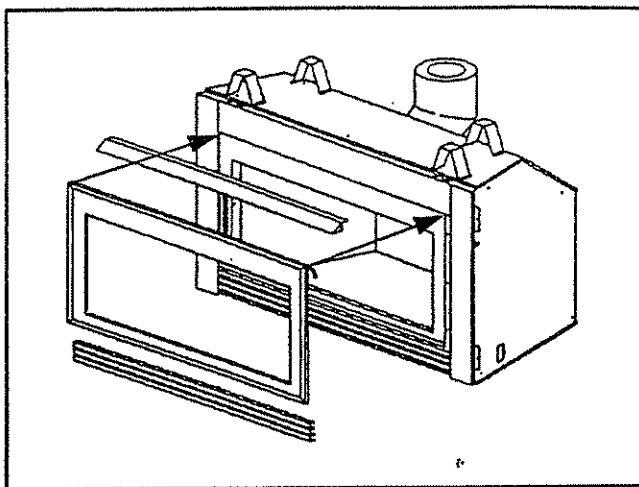


Fig. 34. Installation of the hood and trim assembly.

### 3. OPERATING INSTRUCTIONS

#### 3-1. First Firing.

Upon completing your gas line connection, a small amount of air will be in the lines. When first lighting unit with 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.

When lit for the first time, the appliance will emit a slight odor for an hour or two (2). 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. After a few minutes, this moisture will disappear. **Once the appliance has burned for the first 2-3 hours, it is recommended that you clean the glass panel. Due to the paint and lubricants that burn off during the firing, the by-products will collect on the glass and be baked in if not cleaned. Using a polishing paste type cleaner will clean the glass and leave a protective coating to help keep it clean for many hours of use.**

#### 3-2. Lighting Instructions for G36/42HVpi Equipped with Continuous Pilot

#### 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.**

- This appliance has a pilot. When lighting the pilot, follow these instructions exactly.
- 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

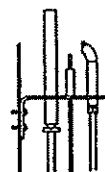
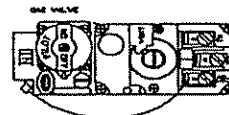
- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

#### FOR YOUR SAFETY (CONTINUED)

- Use only your hand to push in or turn the gas valve 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. Force or attempted repair may result in a fire or explosion.
- 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 this control system and any gas control which has been under water.

#### LIGHTING INSTRUCTIONS

- STOP!** Read the safety information above.
- To access the controls, pull the lower grille forward. The grille is hinged to open downward.
- Turn ON-OFF-RS switch on the unit to "OFF". Turn wall switch "OFF" if used. Turn wireless remote if used to "OFF".
- Push in gas control knob slightly and turn clockwise to "OFF".




PILOT BURNER THERMOPILE

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

- Wait five (5) minutes to clear out any gas. If you then smell gas, **STOP!** Follow "B" in the safety information. If you don't smell gas, go to next step.
- Turn knob on gas control counterclockwise to "PILOT".
- Push in control knob all the way and hold in. Immediately start pushing red button at least once every second until pilot lights. Continue to hold the control knob in for about one (1) minute after the pilot is lit. Release knob and it will pop back out. Pilot should remain lit. If it goes out, repeat Steps 4 through 7.
  - If the knob does not pop out when released, stop and call your service technician or gas supplier.
  - If the gas pilot will not stay lit after several tries, turn the gas control knob to "OFF" and call your service technician or gas supplier.
- After the pilot has been lit, the burner can be turned on by turning knob counterclockwise to the "ON" position. Then flip the ON-OFF-RS switch to the "ON" position.
- To close the control panel simply lift the grille and press in.



### TO TURN OFF GAS TO APPLIANCE

1. To access the controls, pull the lower grille forward. The grille is hinged to open downward.
2. Turn ON-OFF-RS switch to "OFF"; turn wall switch or wireless remote if used to "OFF".
3. Push in gas control knob slightly and from clockwise  to "OFF". Do not force.
4. Close the lower grille.

### 3-3. Lighting Instructions for G36/42HVadi Equipped With Intermittent Pilot System.

#### 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 is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.

#### DO NOT TRY TO LIGHT THE BURNER BY HAND.

- 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

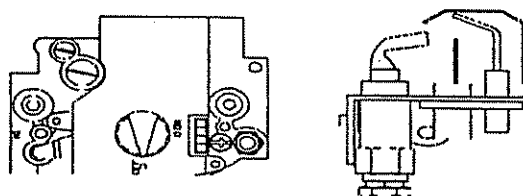
- Do not try to light any appliance.
  - Do not touch any electric switch; do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
- C. Use only your hand to push in or turn the gas valve 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. 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 this control system and any gas control which has been underwater.

#### LIGHTING INSTRUCTIONS


1. **STOP!** Read the safety information above.
2. To access the controls, pull the lower grille forward. The grille is made to open downward.
3. Turn ON-OFF-RS switch on the unit to "OFF". Turn wall switch "OFF" if used. Turn wireless remote if used to "OFF".
4. This appliance is equipped with an ignition device which automatically lights the pilot. Do not try to light the pilot by hand.

### LIGHTING INSTRUCTIONS (CONTINUED)

5. Turn the valve handle 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 above. If you don't smell gas, go to next step.
7. Turn the valve handle counterclockwise  to "ON".
8. Turn ON-OFF-RS switch on the unit to "ON"; turn wall switch or wireless remote if used to "ON".
9. The ignitor will begin to glow after about 2 to 5 seconds. Between 5 and 10 seconds, the gas valve will open and the burner should light. If the appliance burner will not light after three (3) attempts, follow the instructions "To Turn Off Gas To Appliance" and call your service technician or gas supplier.



### TO TURN OFF GAS TO APPLIANCE

1. To access the controls, pull the lower grille forward. The grille is made to open downward.
2. Turn ON-OFF-RS switch to "OFF"; turn wall switch or wireless remote if used to "OFF".
3. Turn the valve handle clockwise  to "OFF".
4. Close the lower grille.

### 4. MAINTENANCE

**IMPORTANT:** Turn off gas before servicing appliance. It is recommended that a competent service person perform these checkups at the beginning of each heating season. Perform periodic examination of venting system. Always keep the appliance area clear and free of combustible material, gasoline and other flammable vapors and liquids.

Clean all foreign materials from the top of the burner and from the bottom panel below burner.

**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 qualified service person. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that control compartment, burners, and circulating air passageways of the appliance be kept clean.

**WARNING: 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 grille assembly.

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

**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 SUPERVISED WHEN THEY ARE IN THE SAME ROOM AS THE APPLIANCE.**

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

#### 4-1. Glass Panel Removal.

1. To remove the glass panel, the trim kit must be removed first. To do this, remove two (2) screws at each bottom corners of the trim assembly. Carefully place the front down so as not to scratch the face.

2. Loosen the four (4) wing nuts at the bottom of glass assembly and note carefully how brackets fit over glass or metal strip.

3. Remove the three (3) wing nuts on each side of glass assembly, noting carefully how the bracket fits on the unit.

4. Remove the four (4) wing nuts at the top of unit while holding the glass against face of the unit.

5. Glass panel is now ready for removal. Swing top away from unit approximately two (2) inches and lift glass up and out, being careful not to scratch glass on mounting pins.

#### 4-2. Cleaning Burner, Pilot and Adi Ignitor.

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

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

3. Visually inspect pilot. Brush or blow away any dust or lint accumulations. If pilot orifice is plugged, disassembly may be required to remove any foreign material from orifice or tubing. When appliance is put back in service, check flame patterns with Fig. 35.

4. Taking care of the G36/42HVadi is almost identical to taking care of the G36/42HVpi. The hot surface ignitor is the only component which requires **EXTREMELY DELICATE HANDLING**. The ignitor is made out of silicone carbide which is a very brittle material. **YOU SHOULD NOT TOUCH THE HEATING PART OF THE IGNITOR WITH YOUR FINGERS.**

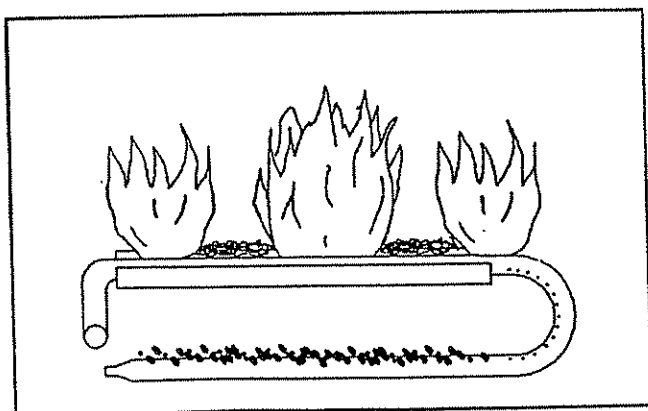


Fig. 35. Flame patterns.

#### 4-3. Ceramic Log Replacement.

1. Remove the trim kit. (See Section 4.1, Glass Panel Removal.)

2. The log(s) can now be removed as required. Replace the log(s) as described on page 15, Gas Log Positioning. Replace glass panel and decorative front.

#### 4-4. Glass Assembly Replacement and Glass Cleaning.

1. Before replacing the glass panel, make sure the lava rock material is spread evenly over the bottom of the firebox and the logs are properly positioned.

2. The glass panel will need cleaning periodically depending on how often it is burned. Clean the glass with a household cleaner.

3. Set bottom lip of glass panel firmly on top of the microswitch so it pushes button down.

**NOTE: If glass does not push against the microswitch, the pilot will not stay lit or the adi system will not light burner.**

4. With glass panel in place, push glass against unit and at the same time, put brackets on sides of panel and hand tighten the wing nuts provided.

5. Attach the brackets at the top and bottom of the glass and hand tighten.

**NOTE: Wing nuts that secure glass only need to be HAND TIGHT** to give a snug fit for proper gasket seal. Overtightening may result in damaged glass.

6. Replace trim kit, proceed in reverse order of number 1 under Glass Panel Removal.

#### 4-5. Safety Information.

##### 1. ELECTRICAL CONTROL SYSTEM G42HVpi

The G36/42HVpi Series system is wired so the thermogenerator, when heated with the pilot light, will produce approximately 700 millivolts. This activates the gas control valve. For protection, the glass panel **must** be in position to work (this activates the microswitch). Additionally, a high temperature limit switch is used for protection and would close the main gas valve should a high surface temperature condition be encountered. (See Fig. 36.)

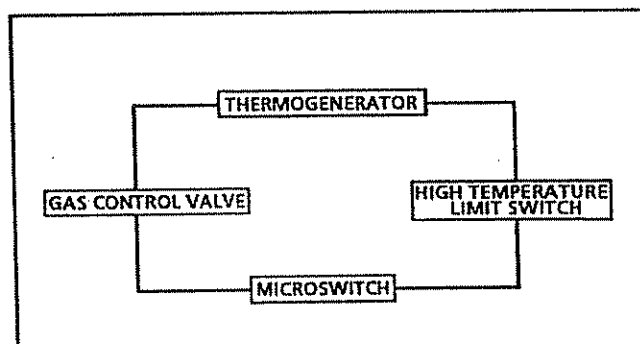


Fig. 36. High temperature limit switch.

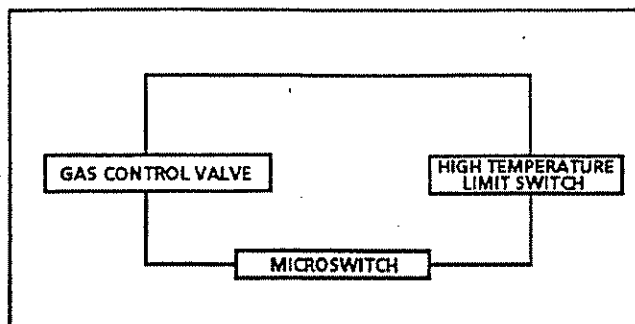


Fig. 37. Electrical wiring system.

## 2. ELECTRICAL CONTROL SYSTEM G36/42HVadi

The G36/42HVadi Series system is wired through the ADI Gas Valve which effects the ignition of the burner with a silicon ignitor through an electronic control. For protection, the glass must be in position to work (this activates the microswitch). Additionally, a high temperature limit switch is used for protection and would close the main gas valve should a high surface temperature condition be encountered. (See Fig. 37.)

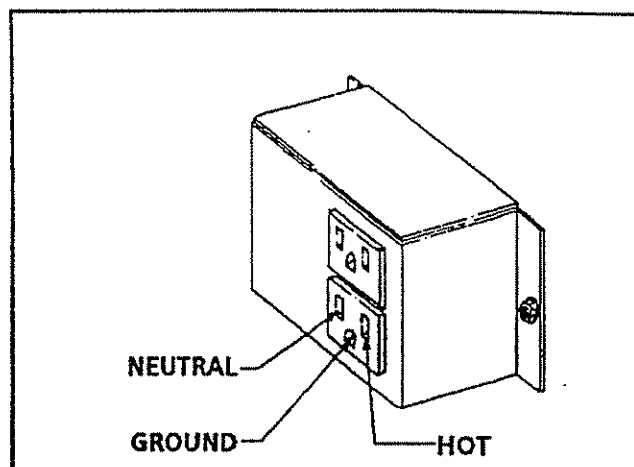


Fig. 38. G36/42HVadi junction box.

## 5. TROUBLESHOOTING

### 5-1. G36/42HVpi with Continuous Pilot.

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

SYMPTOM	POSSIBLE CAUSES	CORRECTIVE ACTION
1. Pilot will not light after repeated triggering of red button.	<p>A. Defective ignitor (no spark at electrode).</p> <p>B. Defective pilot or misaligned electrode (spark at electrode).</p> <p>C. No gas or low gas pressure.</p> <p>D. No L.P. in tank.</p>	<p>1. Check for spark at electrode and pilot; if no spark and electrode wire is properly connected, replace ignitor.</p> <p>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 gap at electrode and pilot – should be 1/8-inch to have a strong spark. If OK, replace pilot.</p> <p>1. Check remote shutoff valves from appliance. Usually there is a valve near the appliance and sometimes there is a valve near the main. there can be more than one (1) valve between the appliance and main.</p> <p>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 not, consult with plumber or gas supplier.</p> <p>1. Check L.P. (Propane tank). You may be out of fuel.</p>

SYMPTOM	POSSIBLE CAUSES	CORRECTIVE ACTION
<p>2. Pilot will not stay lit after carefully following lighting instructions.</p>	<p>A. Defective thermogenerator.</p> <p>B. Defective automatic valve.</p> <p>C. Glass panel does not fully depress microswitch.</p>	<p>1. Check pilot flame. Must impinge on thermogenerator. Clean and/or adjust pilot for maximum flame impingement on generator.</p> <p>2. Be sure wire connections from generator at gas valve terminals are tight and generator is fully inserted into pilot bracket.</p> <p>3. One (1) of the wall switch wires may be grounded. Remove wall switch wires from valve terminals. If pilot now stays lit, trace wall switch wiring for a ground. May be grounded to appliance or gas supply.</p> <p>4. Check thermogenerator with millivolt meter. Take reading at generator terminals of gas valve (TH-TP and TP). It should read 325 millivolts minimum while holding valve knob depressed in pilot position with pilot lit and wall switch "OFF". Replace faulty generator if reading is below specified minimum.</p> <p>1. Turn valve knob to "ON", place wall switch to "ON". Millivolt meter should read greater than 100 mV. If the reading is okay and the burner does not come on, replace the gas valve. An external flame to unit must be held on thermogenerator to check reading.</p> <p>1. Adjust glass so it fully depresses the microswitch. (Do not operate unit with broken or cracked glass.)</p> <p>2. If fully depressed, place jumper wires across connectors and if it allows you to reignite, the switch should be replaced. Do not operate unit with jumper wires in place. When the jumper wire is in place and the unit won't re-ignite, you may have problems with the wiring or connectors.</p>
<p>3. Pilot burning, no gas burner, valve knob "ON", wall switch "ON", "ON-OFF-RS" Switch in "RS" position.</p>	<p>A. Wall switch or wires defective.</p> <p>B. Thermogenerator may not be generating sufficient millivoltage.</p> <p>C. Plugged burner orifice.</p> <p>D. "ON-OFF-RS" switch on unit defective. (Not gas valve knob.)</p> <p>E. Defective automatic valve.</p>	<p>1. Check wall switch or wires for proper connections. Place jumper wires across terminals at wall switch – if burner comes on, replace defective wall switch. If OK, place jumper wires across wall switch wires at gas valve – if burner comes on, wires are faulty or connections are bad.</p> <p>1. Recheck symptom #2.</p> <p>1. Check burner orifice for stoppage and remove.</p> <p>1. Follow correction action in A.1. above for "ON-OFF-RS" switch. Check switch and wiring. Replace where defective.</p> <p>1. Replace automatic valve.</p>

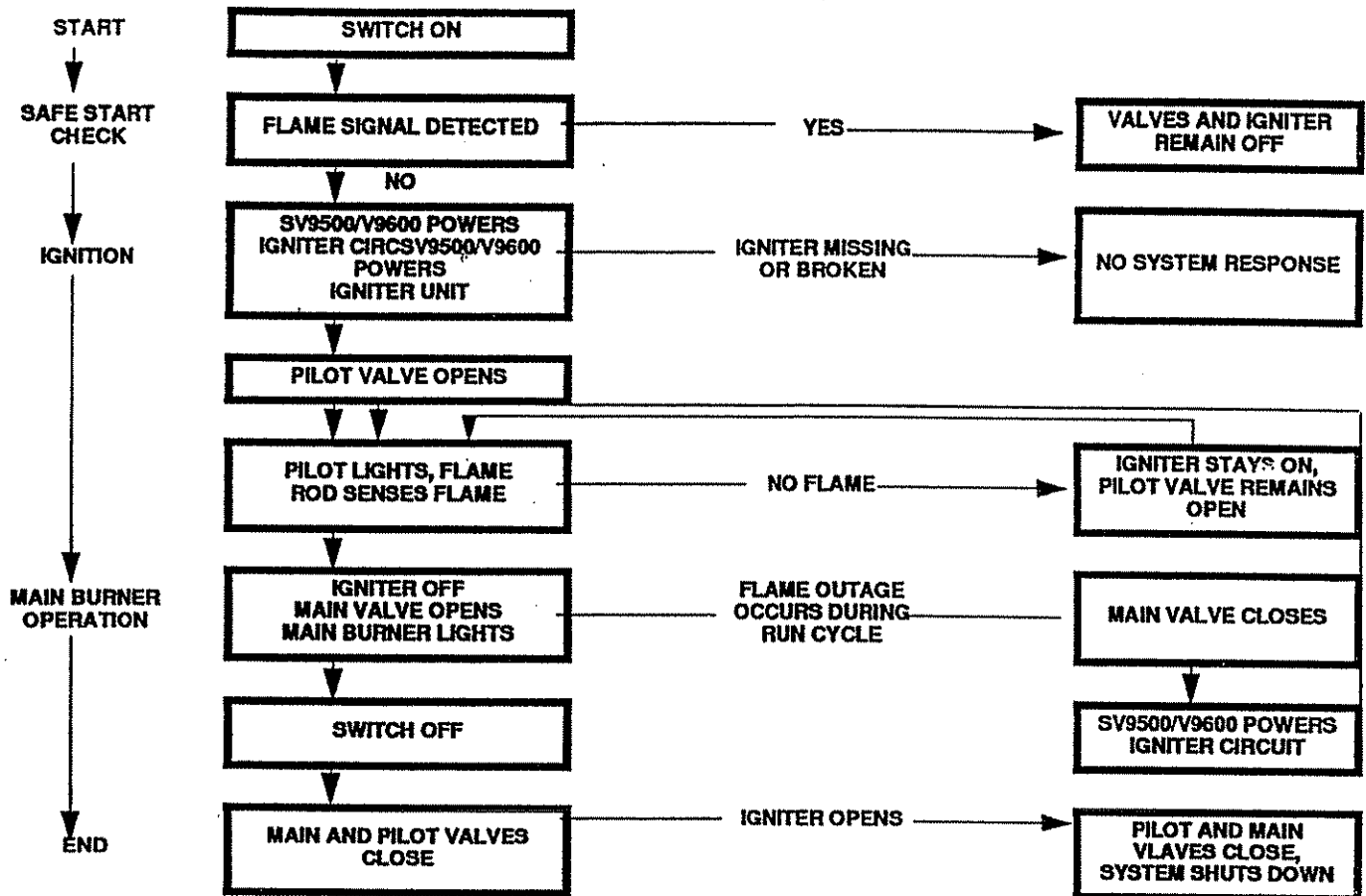
## 5-2. G36/42HVadi with Direct Ignition.

**WARNING:** All repairs of burner equipped with ADI system should be performed by an approved electrician or a person familiar with troubleshooting of electrical equipment. **CAUTION:** High Voltage.

### Sequence of Operation

#### SV9500/V9500 HOT SURFACE PILOT SYSTEM

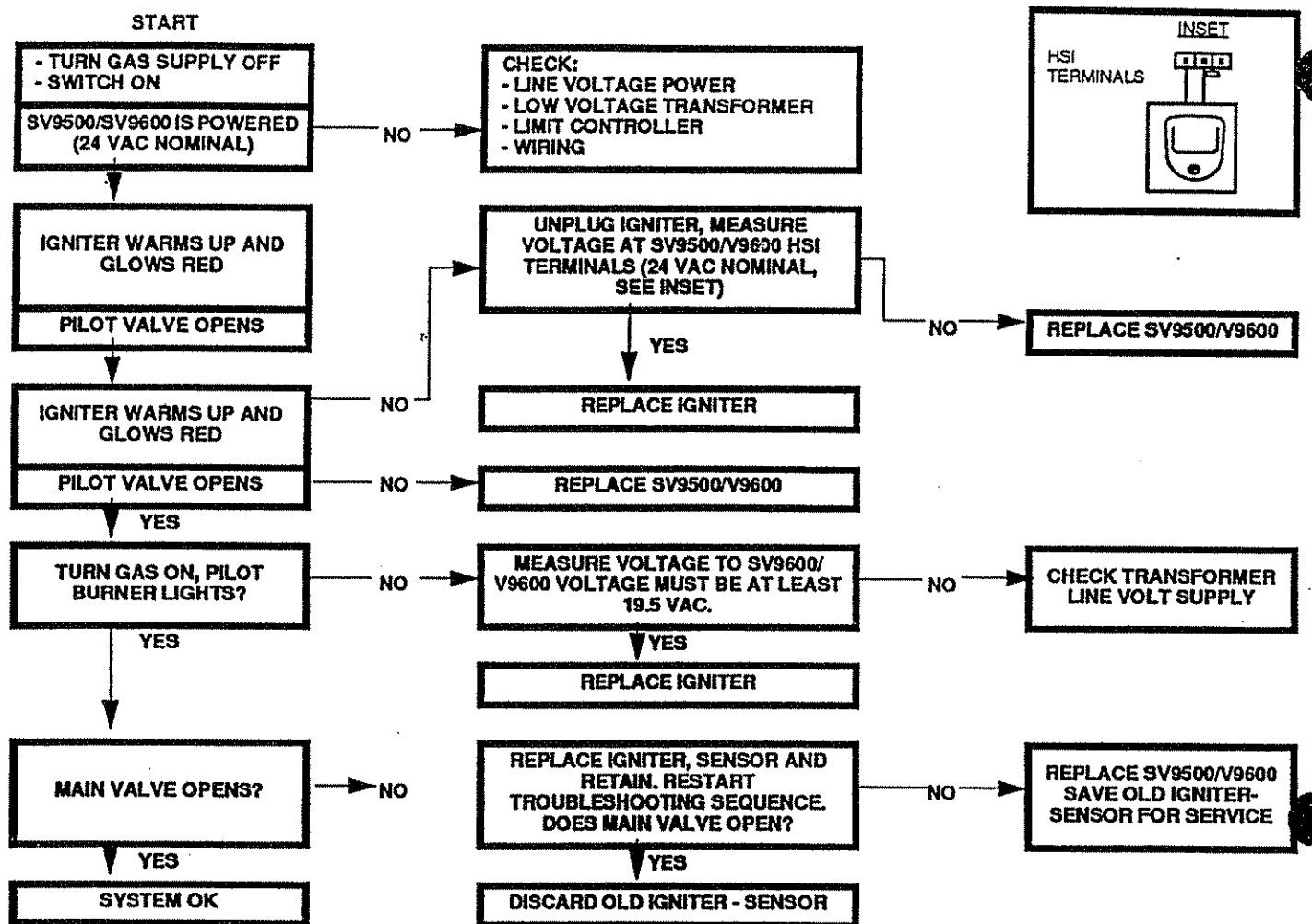
#### SEQUENCE OF OPERATION



## HONEYWELL TROUBLE SHOOTING SEQUENCE

NOTE: BEFORE TROUBLESHOOTING, FAMILIARIZE YOURSELF WITH THE STARTUP AND CHECKOUT PROCEDURE.

**CAUTION: HIGH VOLTAGE!**



## 6. REPLACEMENT PARTS

Contact the factory for questions concerning prices and policies covering replacement parts. Parts will be shipped at prevailing prices. Normally, all parts can be ordered through your Majestic distributor or dealer.

When ordering repair parts, always give the following information:

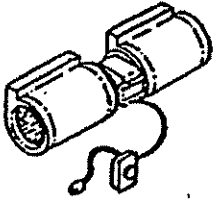
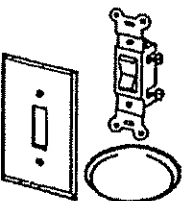
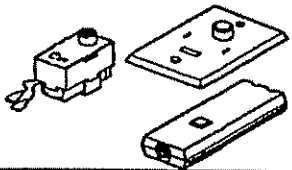
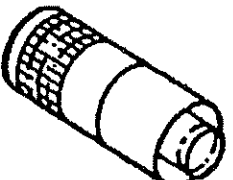
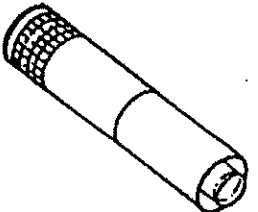
1. The model number and serial number of the appliance. (Located in access area of appliance.)
2. The part number.
3. The description of the part.
4. The manufacture date of the appliance. (Located on lower right hand corner of serial label.)

Should you need additional information, beyond what the dealer can furnish, contact Majestic, Huntington, Indiana 46750. Attention: Director of Customer Service.

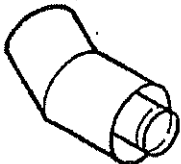
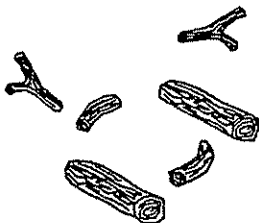

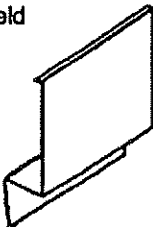
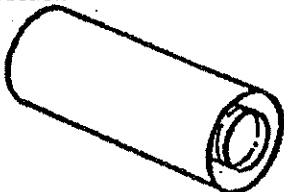
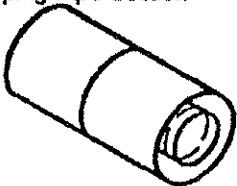

## 7. ACCESSORY PARTS

The following accessories are available from your MAJESTIC Dealer. The Vent Kits and fans have their own installation instructions packaged with the unit. Should you need additional information beyond what your dealer can furnish, contact Majestic, Huntington, Indiana 46750, Attention: Director of Customer Service.

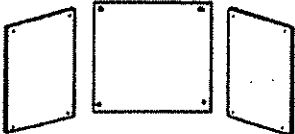
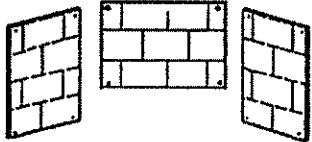
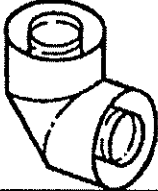
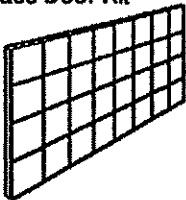
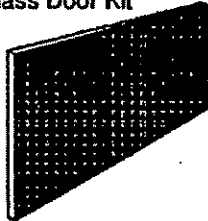
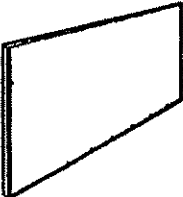
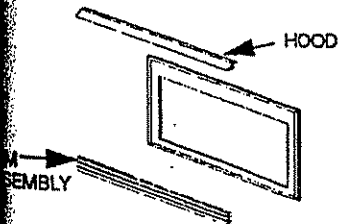
**CAUTION:** This appliance and chimney assembly is a highly engineered system, and, as such, must be operated only with MAJESTIC approved components that have been designed as parts of the system. If you use an unapproved component or make any modifications, you may create a possible fire hazard and will void the Majestic warranty. In addition, such action may void the coverage provided by the owner's home insurance.

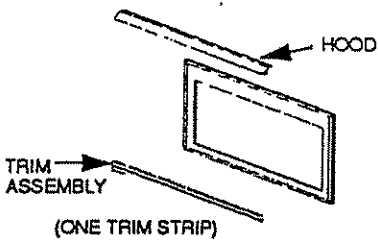
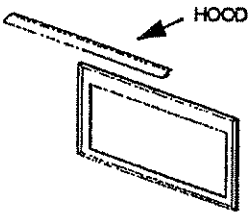
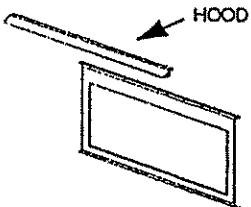
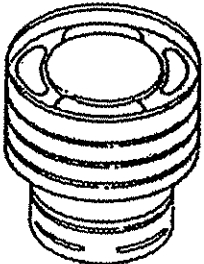
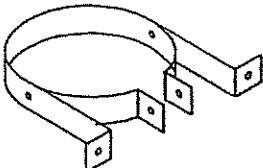
Accessory	Description	Model No.
<b>Blower Kit</b> 	Designed for the appliance to provide forced air flow.	GFK
<b>Wired Remote Wall Switch</b> 	Remote wall switch.	GWSK
<b>Wireless Remote Control</b> 	Remote operation with hand held transmitter	RM1, RM2, RM3
<b>Straight Vent Kit</b> 	Vent kit used on wall thickness installations of 4" to 13". (Wall thickness of 13" to 24" must use MDVK-02D.)	MDVK-01D (Round) or MDVK-01SD (Square)
<b>Extended Straight Out Vent Kit</b> 	Vent kit used with straight out going through wall 13" to 24"	MDVK-02D (Round) or MDVK-02SD (Square)


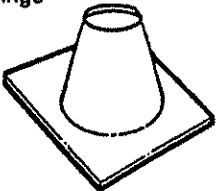
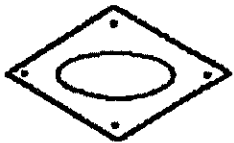
*5" x 8" Pipe  
Not available*

Accessory	Description	Model No.
45° Elbow 	45° elbow.	DV45D
Log Set 	<b>DELUXE</b> Decorative logs with hand detailing for realistic appearance.	LS36D LS42D
Log Set 	<b>STANDARD</b> Decorative logs.	LS36 LS42
Siding Shield 	Vinyl Siding Shield.	DVSS
Pipe Section 	Vent pipe for installations with up to 20 ft. of rise and 24 ft. of run.	DV-12D DV-36D DV-48D
17 to 24 Inches Telescoping Pipe Section 	Vent pipe for installations with up to 20 ft. of rise and 24 ft. of run.	DV17-24D
Firestop Spacer 	Combination firestop spacer and support for extended installations.	DV-HPSD



Accessory	Description	Model No.
<b>Stainless Reflective Panel</b> 	Designed to enhance appearance of appliance by adding multiple reflection of the flame.	RFP36HV RFP42HV
<b>Simulated Refractory Panel</b> 	Designed to enhance appearance to look more like real masonry.	SRP36HV SRP42HV
<b>90° Elbow</b> 	90° elbow for extended installations.	DV90D
<b>Beveled Glass Door Kit</b> 	Optional Glass Door Panel – 32 Pane.	BG36HV BG42HV (Not For Use In Canada)
<b>Tinted Glass Door Kit</b> 	Optional Glass Door Panel – Tinted Glass	TG36HV TG42HV
<b>Plain Glass Door Kit</b> 	Optional Glass Door Panel – Plain Glass	PG36HV PG42HV  5600 6900 5047900
<b>Trim Kit</b>  <p>(THREE TRIM STRIPS)</p>	Brass decorative trim kit with screen mesh.	TK36HV TK42HV

Accessory	Description	Model No.
<p>Trim Kit</p>  <p>HOOD</p> <p>TRIM ASSEMBLY (ONE TRIM STRIP)</p>	Basic brass decorative trim kit.	TKB36HV TKB42HV
<p>Trim Kit</p>  <p>HOOD</p>	Black decorative trim kit with screen mesh.	TK36HV-BK TK42HV-BK
<p>Trim Kit</p>  <p>HOOD</p>	Basic black decorative trim kit.	TKB36HV-BK TKB42HV-BK
<p>Vertical Termination</p> 	For vertical termination of appliance.	DVK-TVCD
<p>Wall Bracket</p> 	Used to support vertical runs of vent pipe.	DV-WB

Accessory	Description	Model No.
Storm Collar 	Used for vertical terminations.	8GCSC/8
Flashings 	Flashings for vertical terminations.	8GVF18 (0/12-6/12) or 8GVRFS/8 (7/12-12/12)
Vertical Firestop 	Firestop for venting through attic or ceiling.	8GVFS/8

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, sniff at floor level. If you smell gas, 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 the area. DO NOT use an electric fan to remove gas from area. DO NOT use telephone inside of building.
  3. Shut off gas at L.P. tank outside of building.
  4. Telephone gas company and fire department from a neighbor's phone. Ask for 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 manufacture'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.

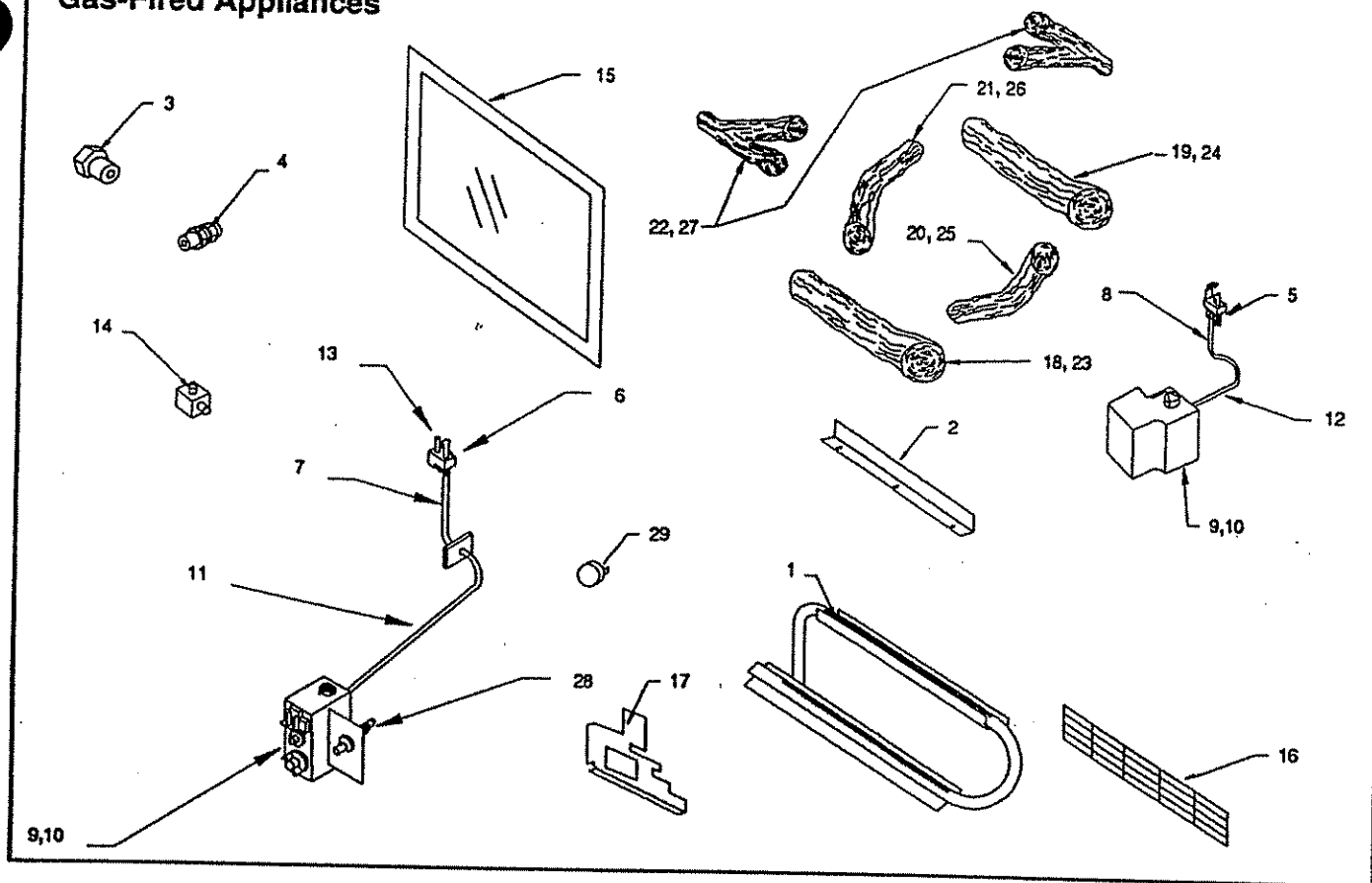
## WARRANTY/REGISTRATION CARD

Your Gas Appliance is covered by a two (2) year limited warranty. Please read the warranty to be familiar with its valuable coverage and file it for future reference.

# REPLACEMENT PARTS MANUAL

## G36/42HVadi/G36/42HVpi SERIES

Gas-Fired Appliances



Majestic reserves the right to make changes at any time, without notice, in design, materials, specifications, prices and also to discontinue colors and products.

THE  
**MAJESTIC**  
PRODUCTS COMPANY®

### G36/42HVadi/pi/adilLP/piLP SERIES GAS-FIRED APPLIANCES

Item/Model Number	Part Number
1. BURNER TUBE WELD ASSEMBLY G36HV G42HV	50-37-161 50-41-197
2. REFLECTOR G36HV G42HV	50-37-170 50-41-221
3. BURNER ORIFICE G36HV NAT. ORIFICE #38 G36HV L.P. ORIFICE #53 G42HV NAT. ORIFICE #35 G42HV L.P. ORIFICE #51	75-35-161 75-35-131 75-35-168 75-35-169
4. 3/8" BULKHEAD CONNECTOR	75-23-137
5. PILOT ASS'Y - G36/42HVadi NAT. L.P.	75-31-129 75-31-130

**G36/42HVadi/pl/adiLP/piLP SERIES GAS-FIRED APPLIANCES**

Item/Model Number	Part Number
6. PILOT ASS'Y - G36/42HVpi NAT. (WITH ELECTRODE) L.P.	75-31-117 75-31-118
7. 1/4" PILOT GAS LINE TUBE G42HVpi G4236HVpi	75-49-182 75-49-197
8. 1/4" PILOT GAS LINE TUBE G42HVadi G36HVadi	75-49-184 75-49-199
9. GAS VALVE - NAT. G36/42HVpi G36/42HVadi	75-29-109 75-29-129
10. GAS VALVE - LP. G36/42HVpi G36/42HVadi	75-29-110 75-29-130
11. 3/8" BURNER GAS LINE TUBE G42HVpi G36HVpi	75-49-183 75-49-198
12. 3/8" BURNER GAS LINE TUBE G42HVadi G36HVadi	75-49-185 75-49-200
13. THERMOGENERATOR ASS'Y - G36/42HVpi	39-57-282
14. MICROSWITCH	75-40-214
15. GLASS ASSEMBLY	50-46-100
16. LOUVRE WELD ASS'Y - PAINTED	50-30-177
17. GRATES	50-37-168
18. FRONT LOG (LS) G36HV G42HV	24-51-101 24-62-102
19. REAR LOG (LS) G36HV G42HV	24-51-102 24-62-101
20. RIGHT LOG (LS)	70-60-123
21. LEFT LOG (LS)	70-60-123
22. MIDDLE LOG (2) (LS)	70-60-122
23. FRONT LOG (LD) G36HV G42HV	23-49-101 23-50-101
24. REAR LOG (LD) G36HV G42HV	23-49-102 23-50-102
25. RIGHT LOG (LD)	23-49-104
26. LEFT LOG (LD)	23-49-104

# G330/336/324AN/AL/N/L SERIES GAS-FIRED APPLIANCES

Item/Model Number	Part Number
27. MIDDLE LOG (2) (LD)	23-49-103
28. PIEZO IGNITER	75-92-101
29. LIMIT SWITCH (THERMAL DISK)	75-40-218
HOODS	
G36HV — POLISHED BRASS OR BASIC BRASS	39-57-551
G36HV — BLACK OR BASIC BLACK	50-55-102
G42HV — POLISHED BRASS OR BASIC BRASS	50-52-111
G42HV — BLACK OR BASIC BLACK	50-53-103
GRATE ASSEMBLY	
G36HV	50-37-176
G42HV	50-37-176
LOWER GRILLE	
G36HV	50-37-177
G42HV	50-41-177
TRIM KIT ASSEMBLY	
TK36HV — POLISHED BRASS	50-54-100
TK36HVBK — BLACK	50-55-100
TKB36HV — BASIC POLISHED BRASS	31-31-100
TKB36HVBK — BASIC BLACK	31-32-100
TK42HV — POLISHED BRASS	50-52-100
TK42HVBK — BLACK	50-53-100
TKB42HV — BASIC POLISHED BRASS	31-29-100
TKB42HVBK — BASIC BLACK	31-30-100
GJB	53-44-900

31 pages total.

