

# INSTALLATION AND OPERATION INSTRUCTIONS

for **MAJESTIC**®

(DIRECT VENT) GAS APPLIANCES

MODELS: G330N, G330L

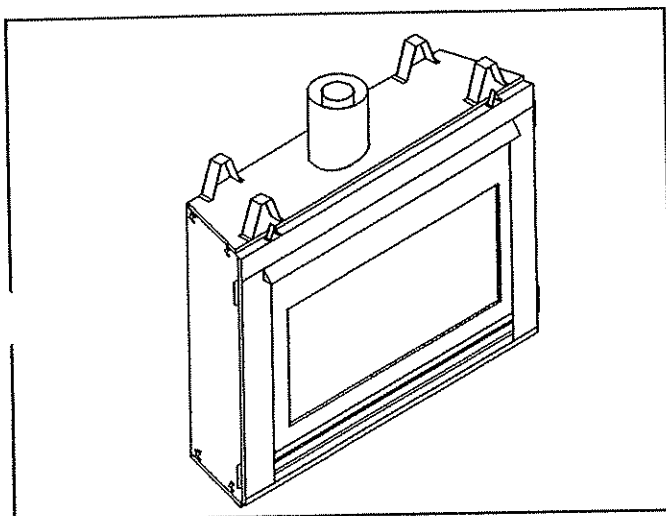
G330AN, G330AL

G336N, G336L

G336AN, G336AL

G342N, G342L

G342AN, G342AL



**WARNING: THE G330/G336/G342 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.**

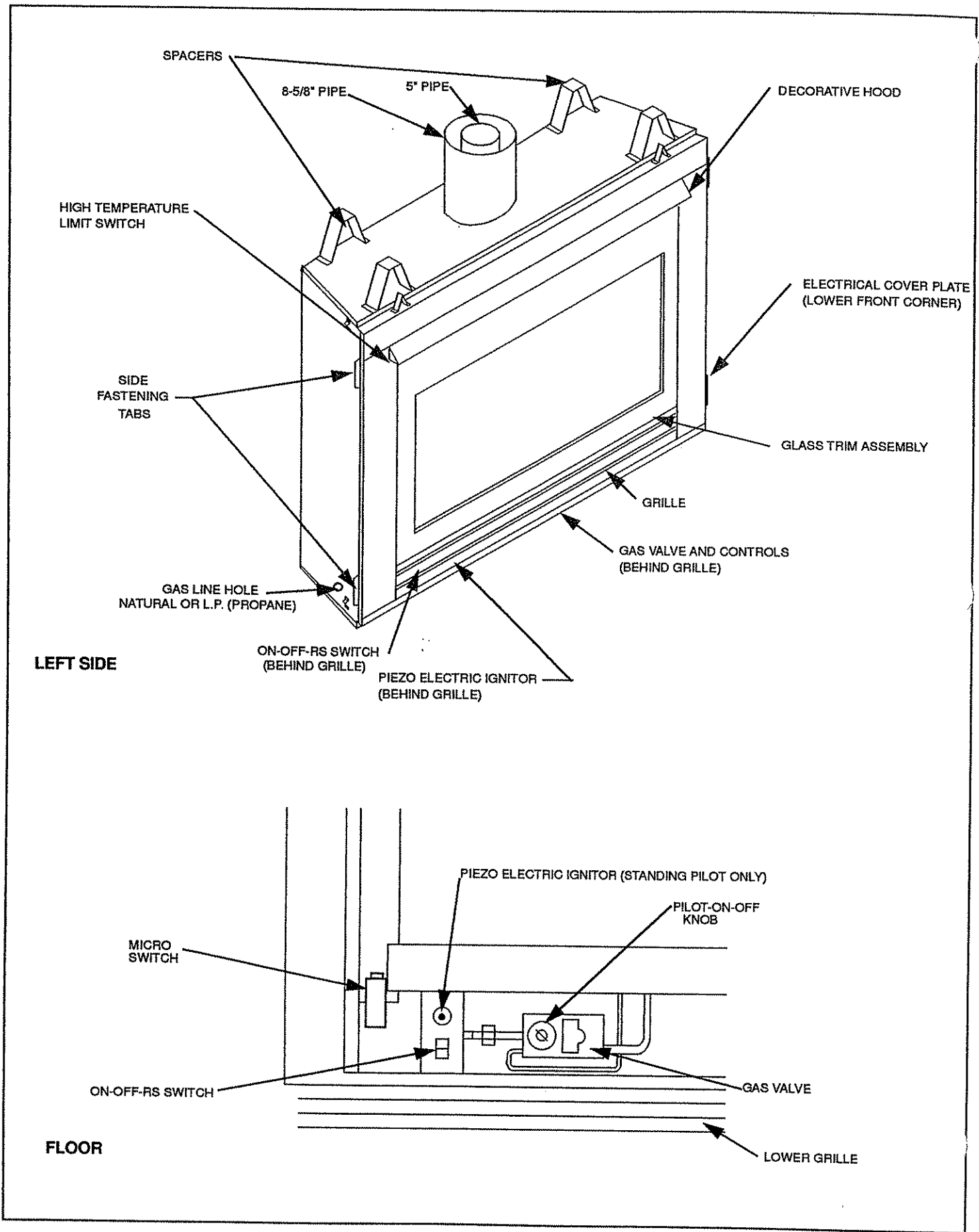
**CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURE AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION.**

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

**MAJESTIC**®

Wamock Hersey  
**WH**®

# IDENTIFICATION OF PARTS



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### 1. GENERAL INFORMATION

**The installation must conform with local codes or, in the absence of local codes, with the latest edition of the National Fuel Gas Code, ANSI Z223.1 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 Warnock Hersey to ANSI Z21.50b-1990, and applicable portions of ANSI Z21.44-1991, Intermin 41 and CAN/CGA 2.17M91.

Installation must conform to local codes. In the absence of local codes, installation must conform with latest edition of the National Fuel Gas Code ANSI Z223.1. 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.

This appliance is approved for bedroom or bathroom applications.

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". Minimum distance to the side wall is 0" (these clearances are defined by the spacers). Minimum distance from the ceiling to the top front of the unit is 31".

Input is 21,000 BTU/hr, Natural or LP (propane) for G330, 27,000 BTU/hr, Natural or LP for G336 and 34,000 BTU/hr, Natural or LP (propane) for G342.

This appliance must be connected using the direct vent system supplied by Majestic, 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 10.0" 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

Units for installation in the United States 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.

Units for installation in Canada 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. 36 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 vent 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 panels;
- 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 3/16 inch tempered glass attached with silicone gasket supplied by Majestic.

**WARNING: NEVER USE SUBSTITUTE GLASS PANELS OR ABUSE GLASS PANELS.**

**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.**

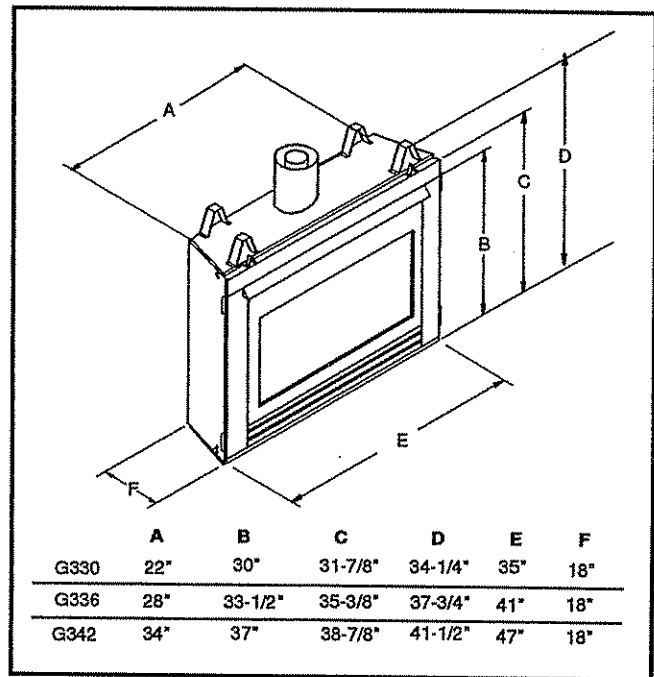


Fig. 1. Appliance dimensions.

For appliance framing dimensions see Fig. 21 on page 11.

This unit comes with the grate secured in place. Logs are in a separate package. The Vent Kits are in separate cartons 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 G330/336/342 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.

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

## 2. INSTALLATION INSTRUCTIONS

In planning the installation for the G330/336/342 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 direct vent 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" - 7" wall thickness).
2. Extended straight out (7" - 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.

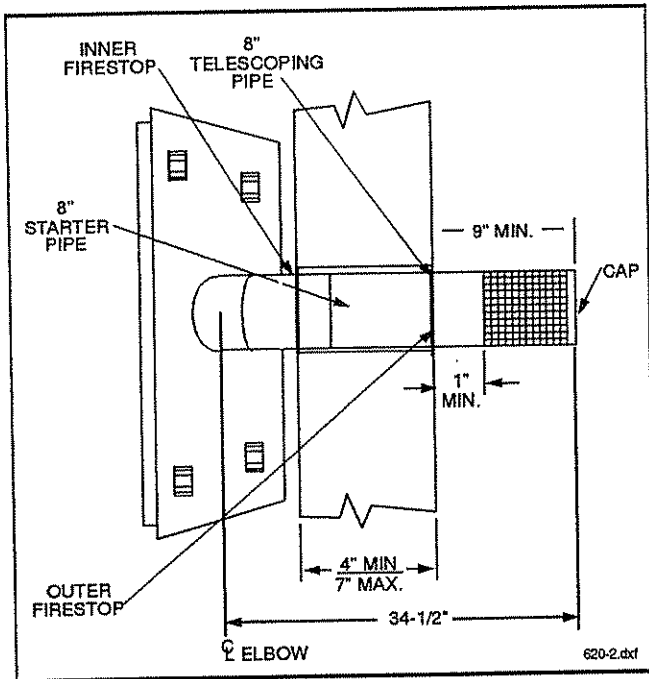


Fig. 2. Straight out installation (4" - 7" wall thickness).

Table 1 lists vent combinations with the 90° elbow pointing straight out with MDVK-01D, and MDVK-03D attached. The maximum straight out vent without any rise is 34-1/2" from center line of elbow to the end of the cap. This would go through a 24" thick wall. Extended horizontal venting with MDVK-01D or MDVK-03D can be accomplished with wall thicknesses up to 24" maximum when used in combination with pipe sections DV-06D, DV-09D, DV-12D or DV17-24D.

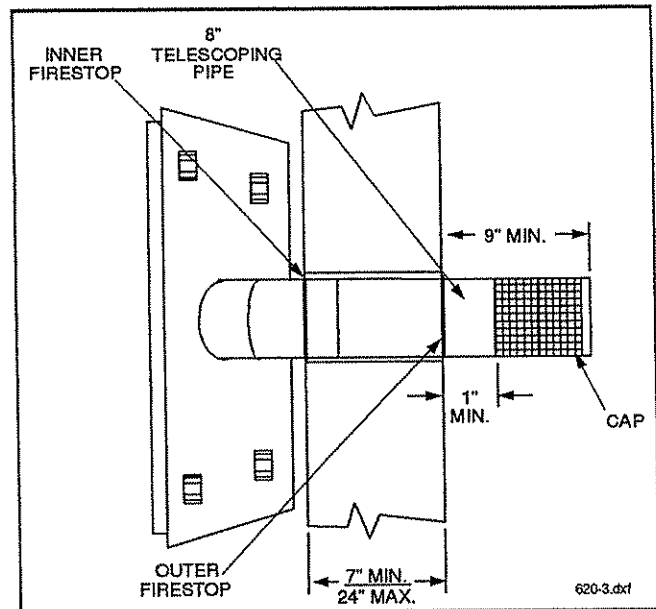


Fig. 3. Extended straight out installation (7" - 24" wall thickness).

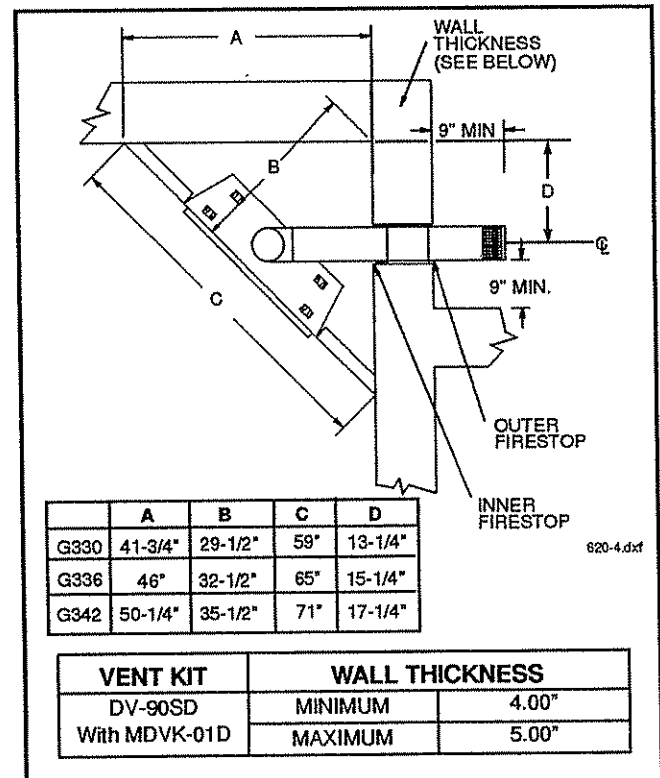


Fig. 4. Corner installation

LAST VENT	TERMINATION KITS	WALL THICKNESS
ELBOW STRAIGHT OUT	MDVK-01D	Minimum 4.00"
	MDVK-01D	Maximum 8.50"

Table 1. Termination requirement.

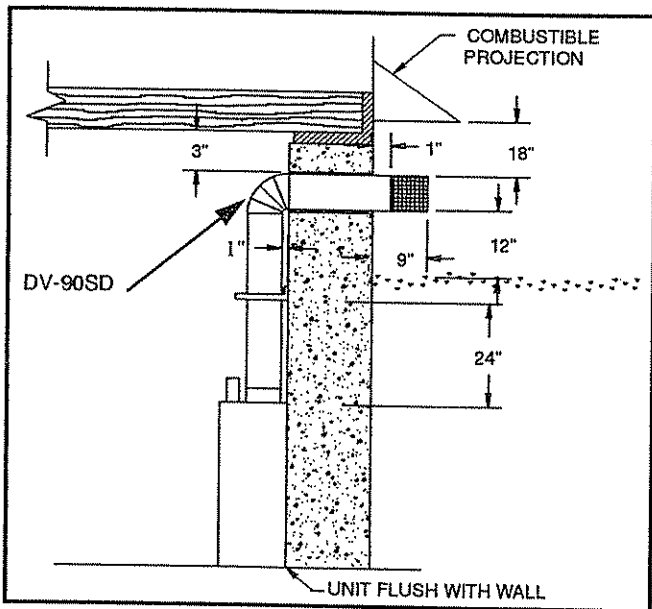


Fig. 5. Basement installation (4" — 7" wall thickness). Figure 5 and Table 2 lists examples of possible venting systems using one (1) 90° elbow. V is listed as minimum vertical dimensions and H is listed as maximum horizontal dimensions. Other combinations of a one (1) 90° elbow system must have at least 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.

Figure 7 and Table 3 list 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.

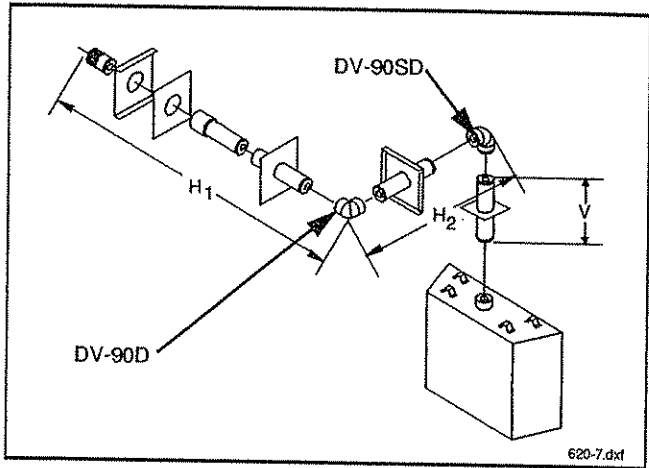


Fig. 7. Two (2) 90° elbows.

VENTING WITH TWO (2) 90° ELBOWS	
*V (FT.)	** $H_1 + H_2$ (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 from 2 feet to 25 feet (two 90° elbows) or 20 feet (two 90° elbows). For all installations, the 5" and 8-5/8" 90° starter elbow (DV-90SD) must be attached to the unit or used when horizontal venting begins.

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

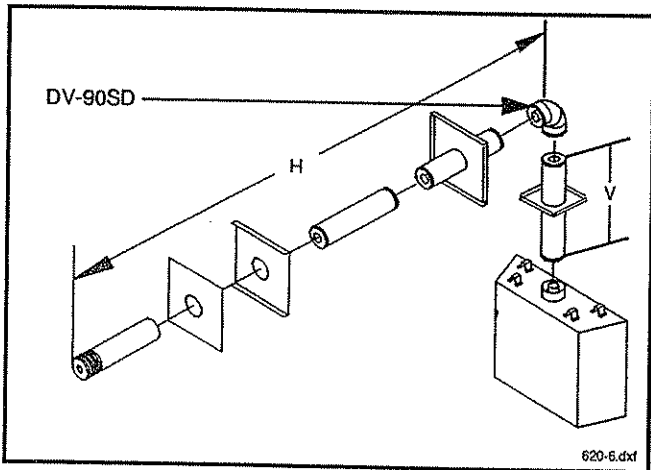


Fig. 6. One (1) 90° elbows.

### VENTING WITH ONE (1) 90° ELBOW

NEEDED FOR VERTICAL RISE	*V (FT.)	**H (FT.)	NEEDED FOR HORIZONTAL RUN
1 - DV-90SD	0' Minimum	34-1/2" Maximum	1- DV-12D, 1-M DVK-01D OR MDVK-03D
1 - DV-90SD, 1 - DV-12D	1' Minimum	5' Maximum	1- DV-36D, 1-M DVK-01D OR MDVK-03D
1 - DV-90SD, 2- DV-12D	2' Minimum	10' Maximum	2 - DV-36D'S, 1 - MDVK-01D OR MDVK-03D
1 - DV-90SD, 1- DV-36D	3' Minimum	15' Maximum	4 - DV-36D'S, 1 - MDVK-01D OR MDVK-03D
1 - DV-90SD, 1- DV-48D	4' Minimum	20' Maximum	6 - DV-36D'S, 1 - MDVK-01D OR MDVK-03D
1 - DV-90SD, 1- DV-48D, 1 - DV-12D	5' Minimum	25' Maximum	7 - DV-36D'S, 1 -MDV17-24D, 1 MDVK-01D OR MDVK-03D
* 20' Maximum			
** 25' Maximum			

Table 2. One (1) 90° elbow.

**CAUTION:** Total vertical run **MUST BE** completed before starting horizontal run. Horizontal chimney run must slope upward  $1/8"$  per foot and vent termination 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.

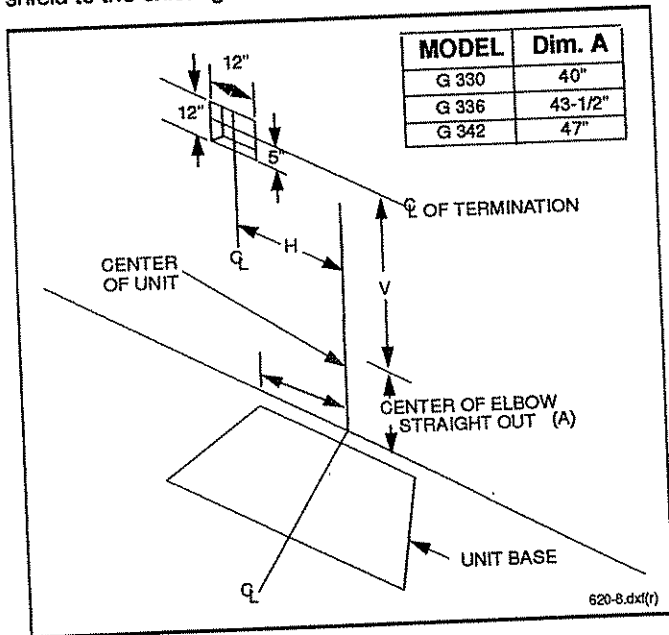


Fig. 8. Hole dimensions.

### 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 no less than 18" above the ground level, and top of the cap must be no less than 9" to any wall running parallel to vent termination. (See Figs. 8, 9 and 10.)

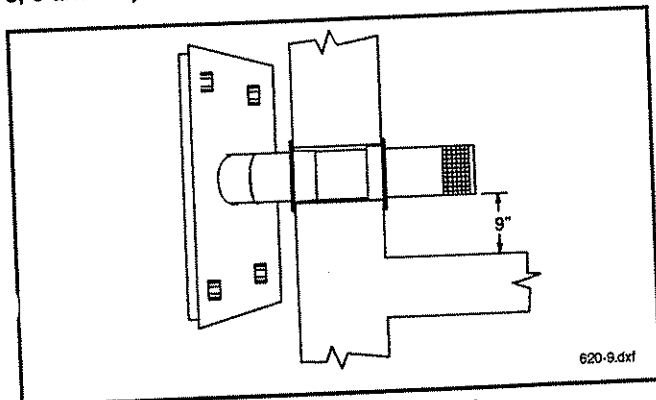


Fig. 9. 9" minimum to parallel wall to vent cap.

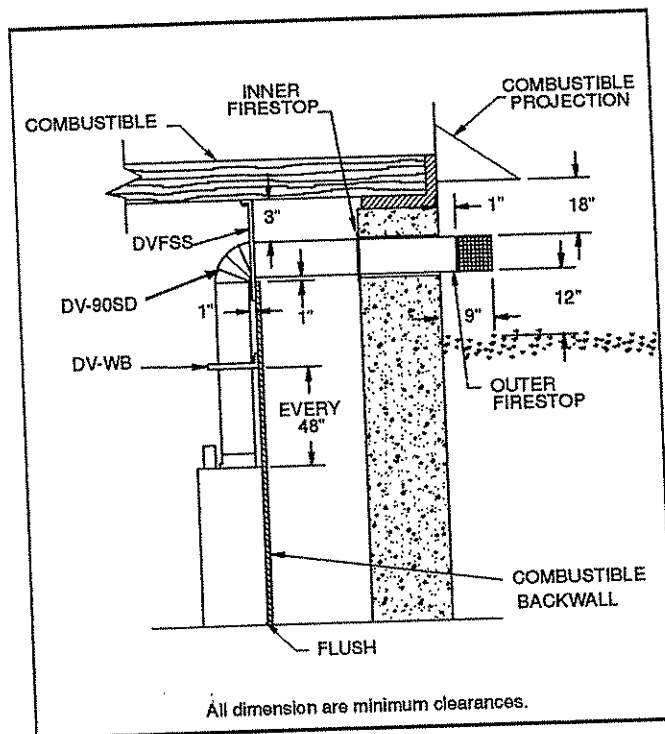


Fig. 10. Typical installation.

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

To prevent the unit from shifting, the appliance should be anchored. Two (2) methods are possible: Use side fastening flanges as shown in Fig. 11, or use the standoffs on the top of the appliance. The side fastening flanges must first be removed from the hearth and then inserted between the outer casing of surround side to match correct drywall or finishing depth. A nail may be driven through the standoff at the front of the appliance into the header as shown in Fig. 12.

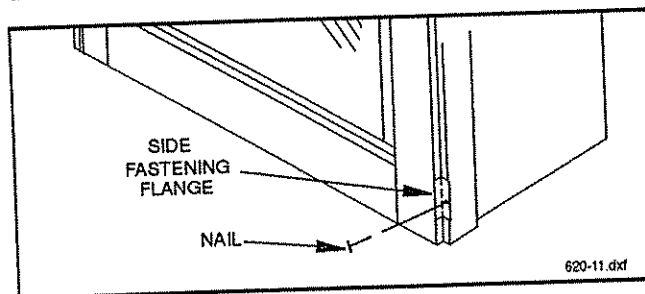


Fig. 11. Permanent positioning using side fastening flanges.

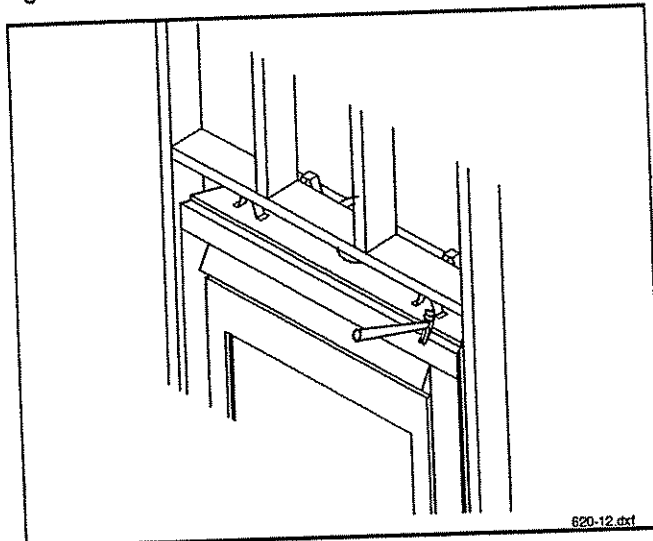


Fig. 12. Permanent positioning using the standoffs.

#### 2-4. Installing Vent Components.

Begin the vent system installation by installing the first component, 90° starter elbow to the starting collars on the top of the appliance, then the straight pipe length and then 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 joints 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 4 feet above the appliance 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.)

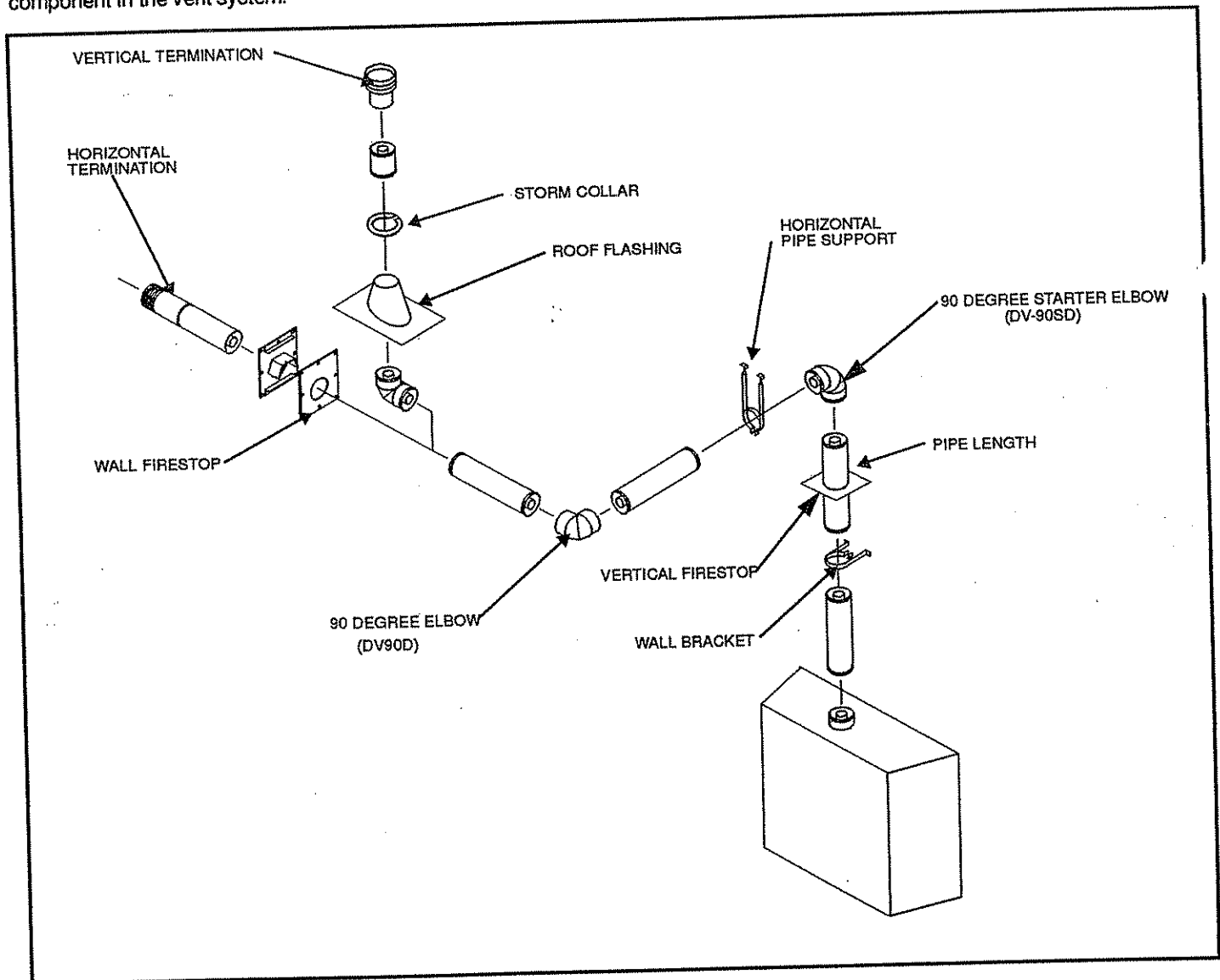


Fig. 13. Vent system identification.



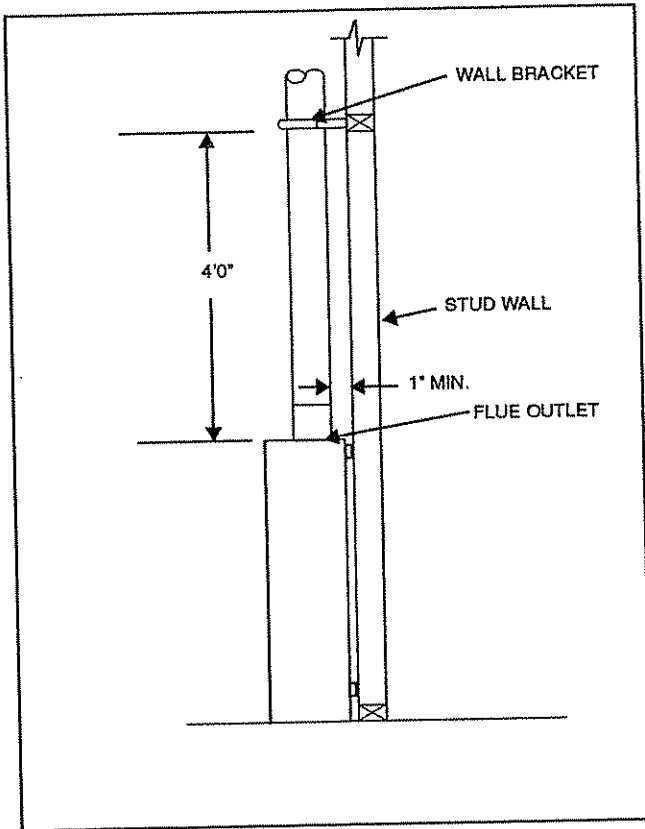


Fig. 14. Wall bracket installation.

## 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.

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-SCD) 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.

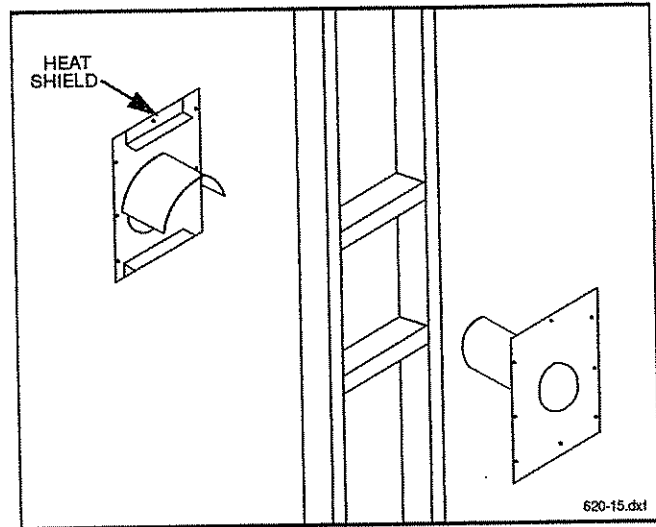


Fig. 15. Wall firestop installation.

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-SCD) 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.

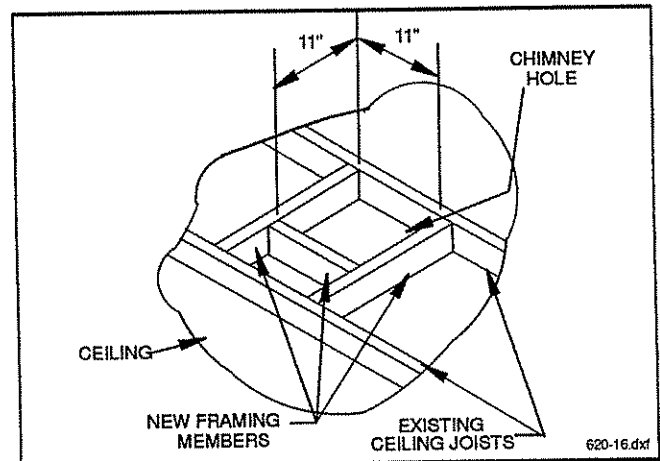


Fig. 16. Installation of DV-SCD.

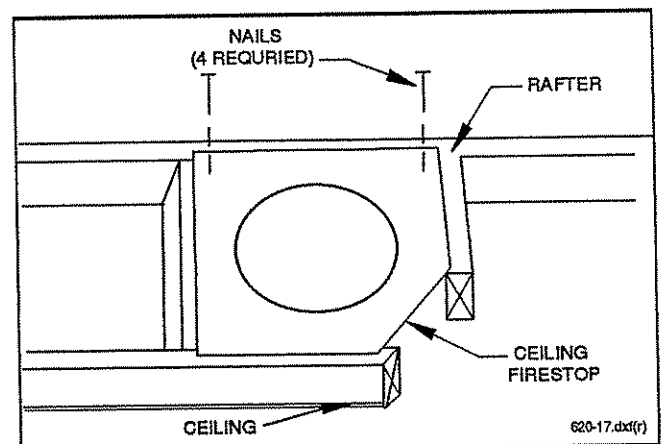


Fig. 17. DV-SCD position when area above is an attic.

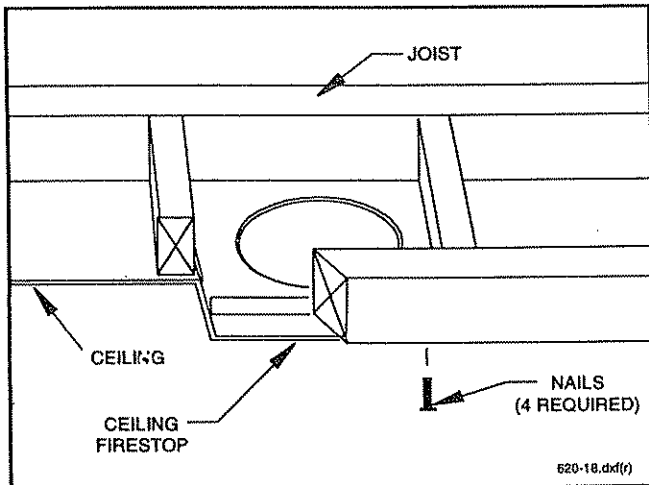


Fig. 18. DV-FCD position when area above is not an attic.

**2-7. Horizontal Terminations.**

MDVK-01D and MDVK-03D are telescoping vent kits which are used to terminate a vent system in a horizontal position. MDVK-01D has a pre-assembled round termination cap. MDVK-03D has a pre-assembled square termination cap. 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 8-5/8 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. Some applications may require a greater height for proper operation, which may require the Ten Foot Rule or greater. These specifications are summarized in Fig. 19.

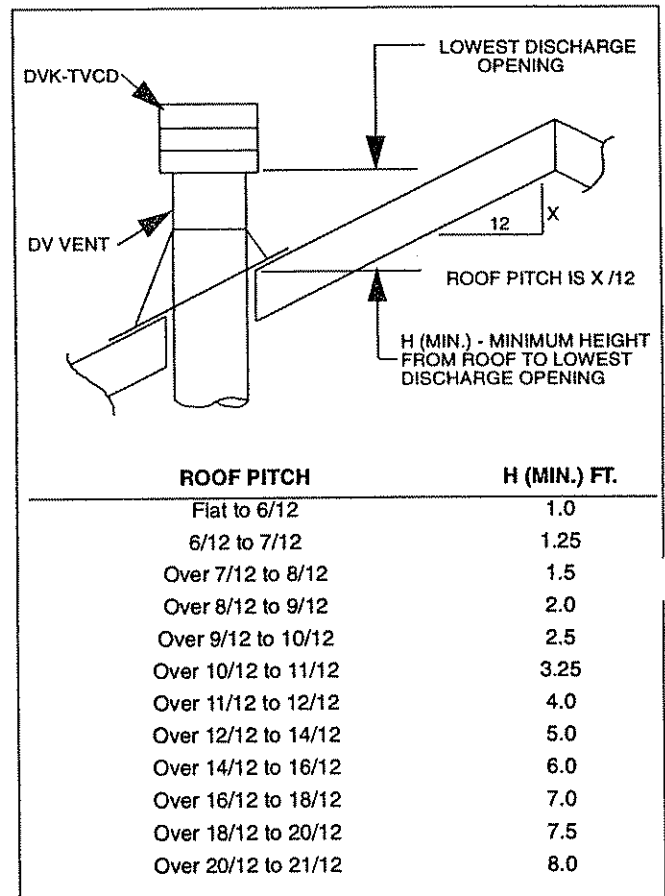


Fig. 19. Vertical venting.

**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. (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.

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.

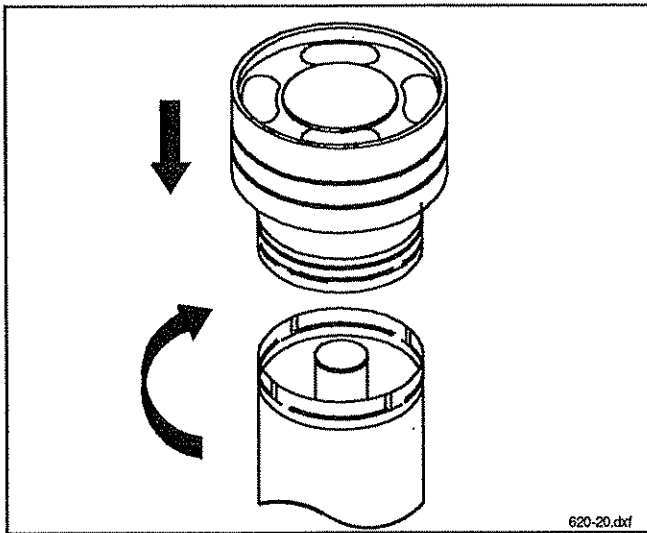


Fig. 20. Vertical termination.

**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.

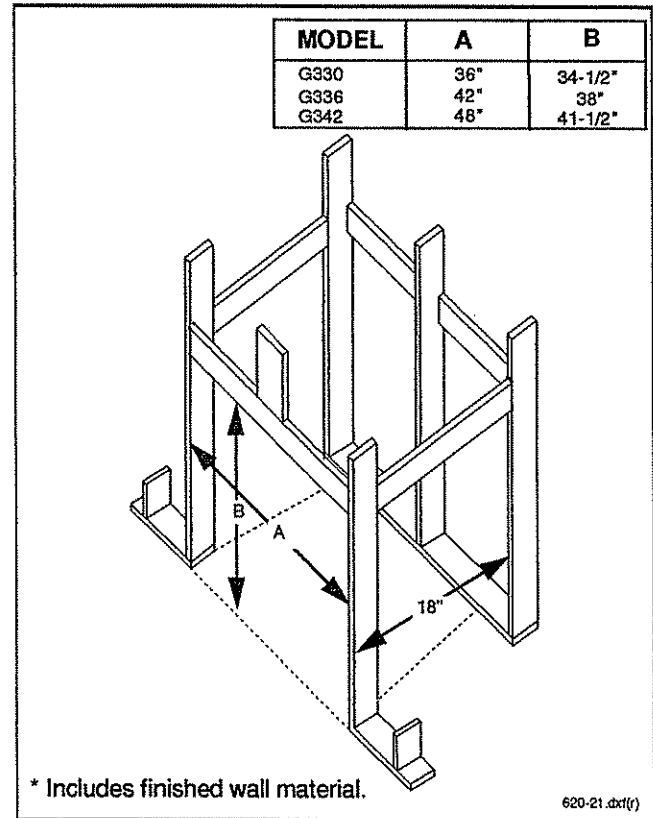


Fig. 21. Framing dimensions.

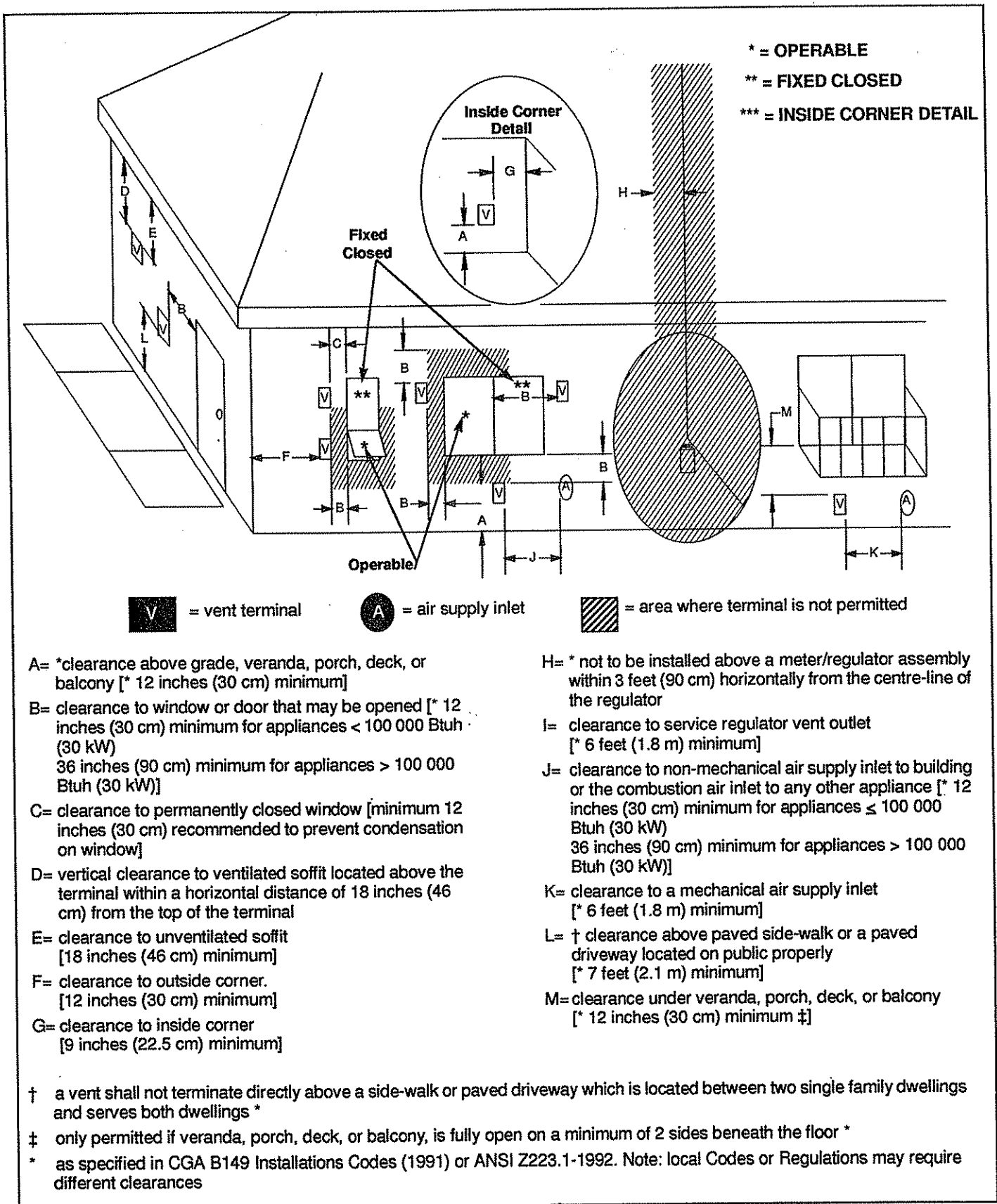


Fig. 22. Vent terminal locations.

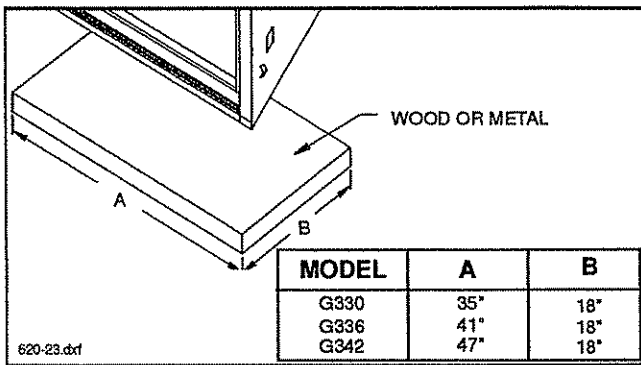


Fig. 23. Support platform

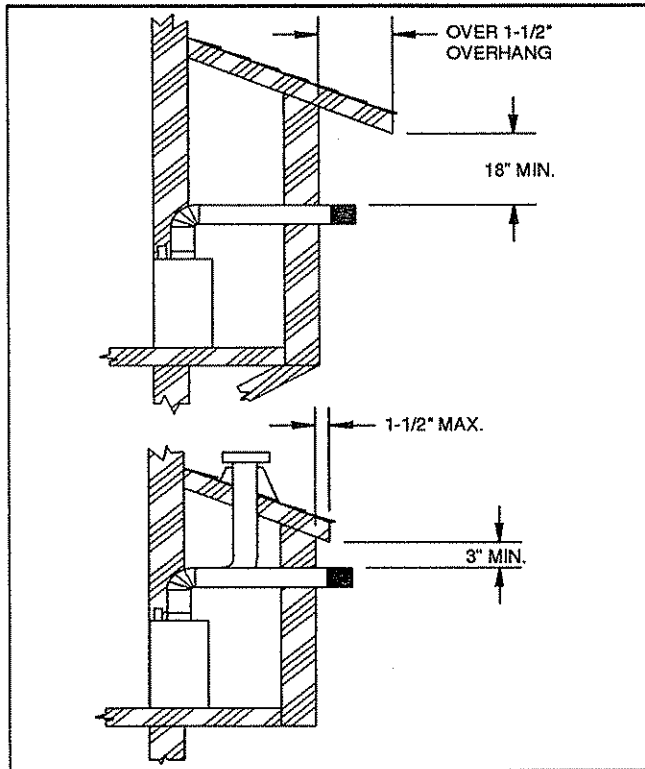


Fig. 24. Chase installation.

### 2-11. Chase Installation.

The exterior of the chase may be finished to match the exterior of the house. DO NOT put any finishing material on the vent cap. DO NOT extend the soffit more than 1-1/2" beyond the chase itself, unless the soffit is at least 18" above the cap. (See Fig. 24.)

### 2-12. Connecting the Gas Line.

Route the 3/8" gas line to the left side of the firebox compartment. The G330/336/342 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.

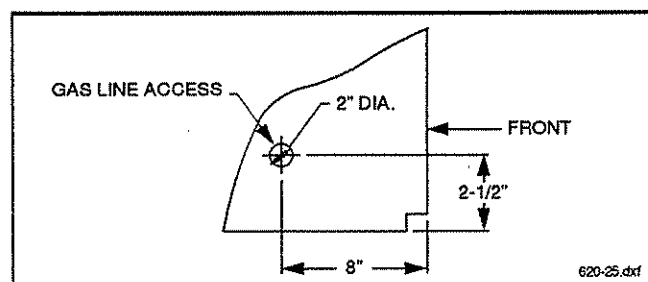


Fig. 25. Gas line access.

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

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.

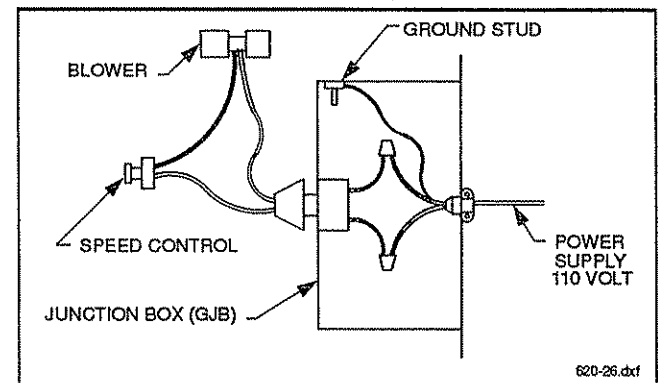


Fig. 26. Wiring for optional blower.

### 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 for other possible clearances.)

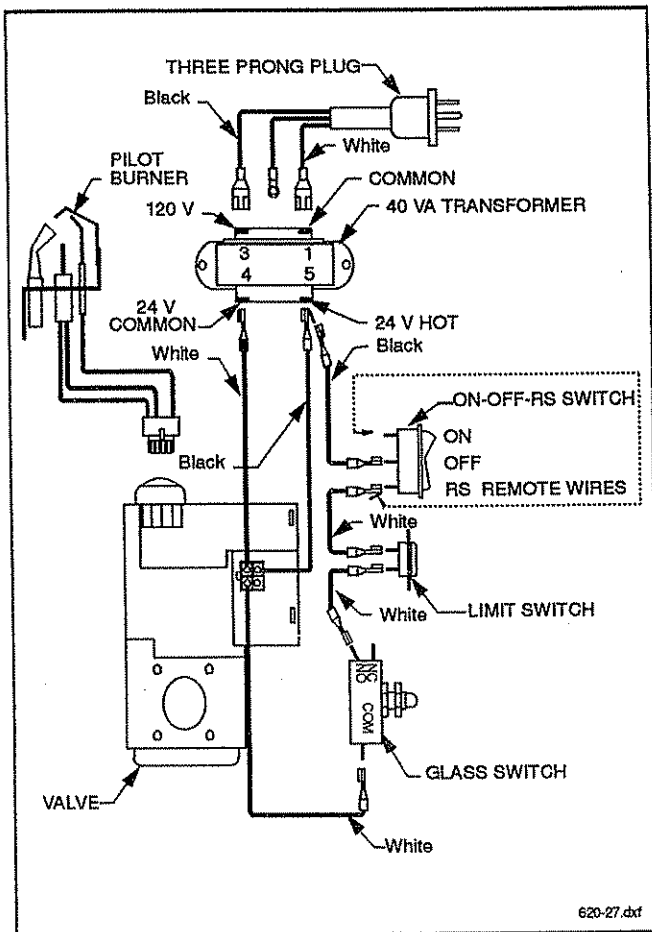


Fig. 27. Wiring diagram G330/336/342AN/AL.  
(Automatic Direct Ignition).

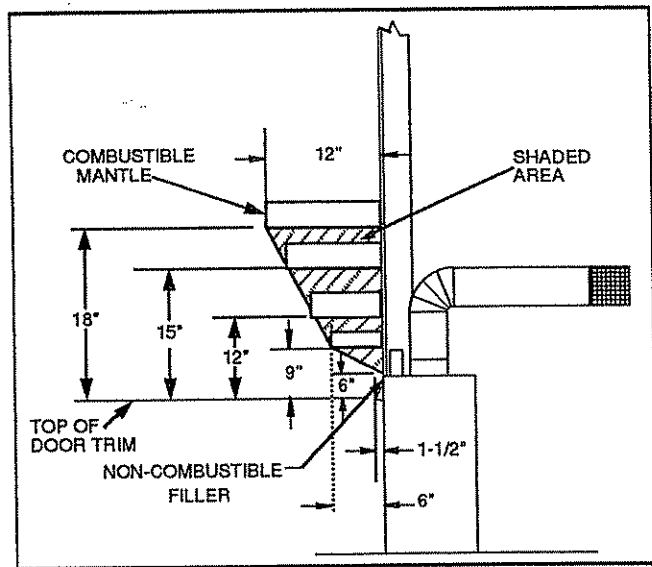


Fig. 29. Mantel extension.

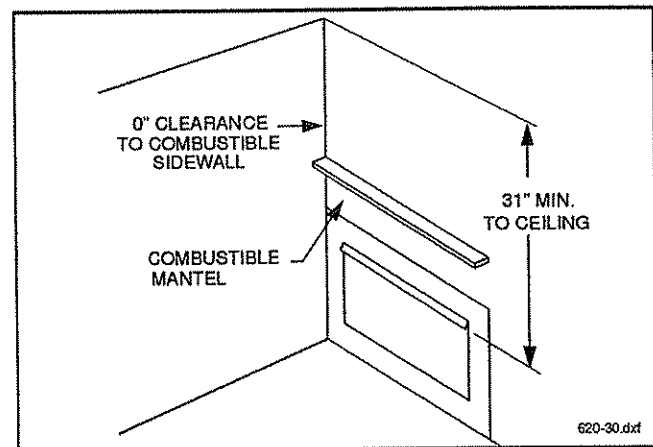


Fig. 30. Mantel clearance.

### 2-16. Hearth Extension.

A hearth extension is recommended, but not required, in front of the appliance. Hearth extension material should not obstruct grille opening.

The following sections, 2-17 and 2-18 are referring only to the GU and GT burner assemblies.

### 2-17. GU Series Burner and Log Installation.

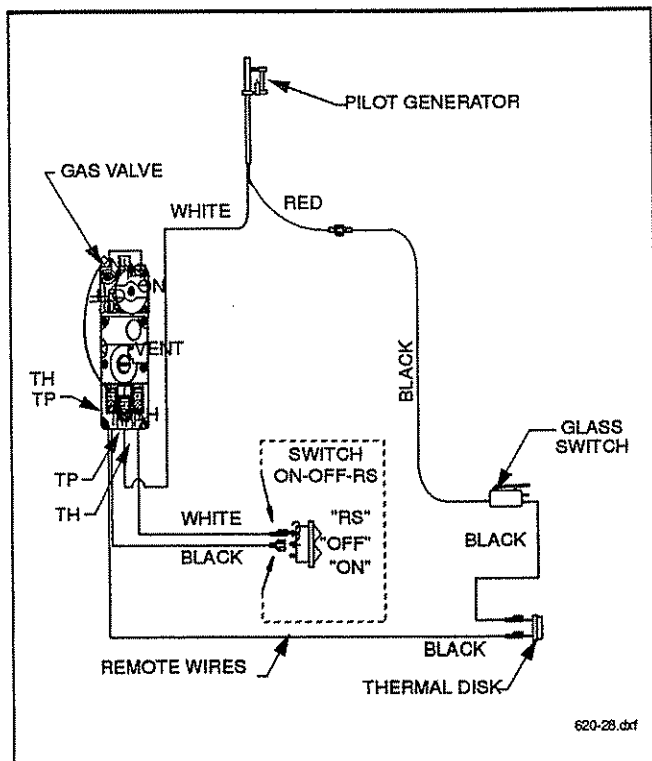


Fig. 28. Wiring diagram G330/336/342/N/L.  
(Standing Pilot).

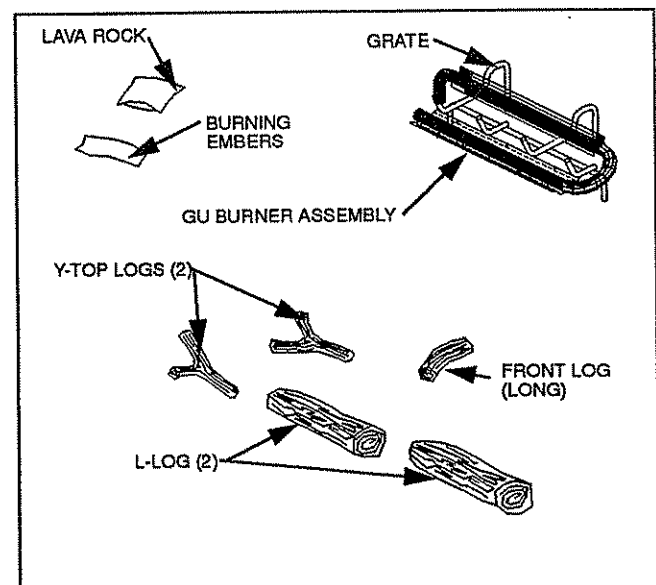


Fig. 31. GU Burner carton contents.

## CHECK CONTENTS OF SHIPPING CARTON

Compare contents of carton in Fig. 31 with actual parts received. If any parts are missing, or damaged, contact your Dealer before starting installation.

## INSTALLATION INSTRUCTIONS

1). If you have a plastic cap over the orifice remove it before installing the burner assembly and grate. Bend left and right burner support tabs out so burner can be installed. (See Fig. 32.)

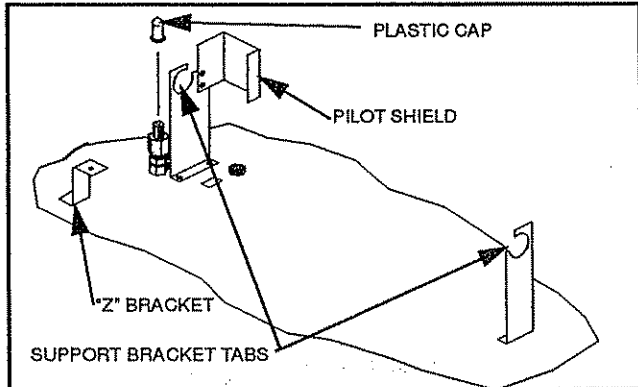


Fig. 32. Location of pilot shield, support bracket tabs and "Z" bracket.

2). **IMPORTANT!** If you are installing burner tube into an LP fueled appliance, you must adjust air shutter on burner tube to an opening of 3/8".

3). Lift and set burner assembly and grate in place making sure burner tube with air shutter is resting on orifice. (See Fig. 34).

4). Bend left and right burner support tabs over burner tube and fasten burner to burner support "Z" bracket with screw. (See Fig. 32 & 33.)

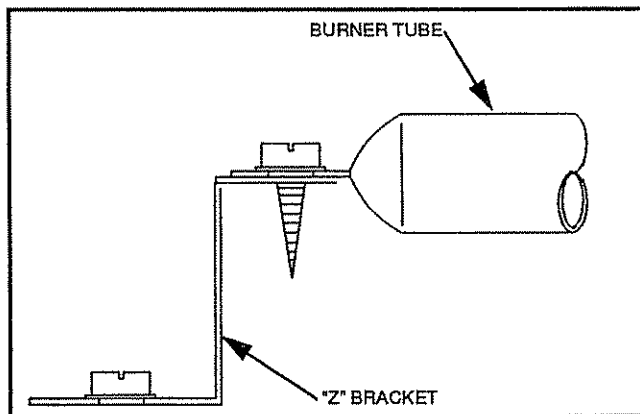
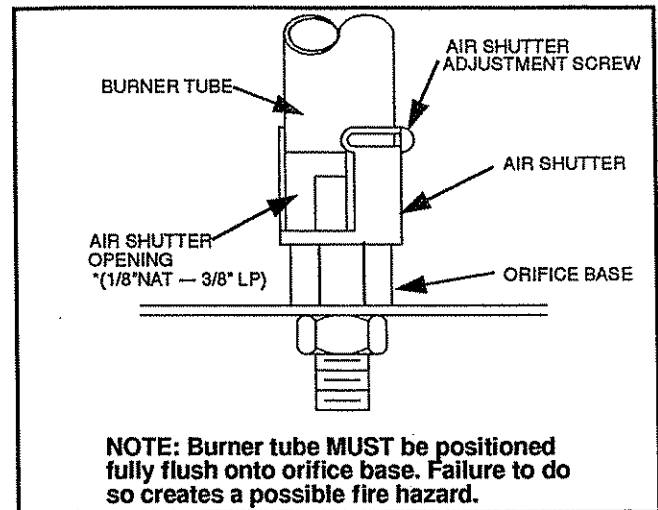


Fig. 33. Burner tube support "Z" bracket.

5). Cover the pilot before applying the lava rock and embers. Fill ember tray with lava rock in front and behind front leg of burner tube. Cover the front leg of the burner tube with one layer of lava rock leaving the port holes open to allow the embers to lay across the rock. Fill rock tray (back leg of burner tube) with lava rock to the top, approximately 1/2 inch above burner tube.

Pour the remaining amount of lava rock on the hearth pan on each side of the burner tube. Evenly apply dime size embers on top of lava rock covering the entire surface (front leg of burner tube only). (See Fig. 35.)

Make sure that all ports of burner tube ignite. If ports do not ignite, rearrange embers until all burner tube ports ignite. **NOTE:** Unit will not light without glass panel installed.



**NOTE:** Burner tube **MUST** be positioned fully flush onto orifice base. Failure to do so creates a possible fire hazard.

Fig. 34. Burner positioning on orifice

6). Unpack decorative logs. There are six (6) logs in the log sets. The longest log should be placed between the front and back leg of the burner tube. The second longest log should be placed behind the burner tube on the grate. The four (4) top logs should be placed on notches of bottom logs approximately as shown in Fig. 36. Slight adjustment may be required to keep logs away from flame pattern.

7). Replace glass trim assembly before lighting appliance.

8). Installation is now complete. Refer to the appliance instructions for operating details.

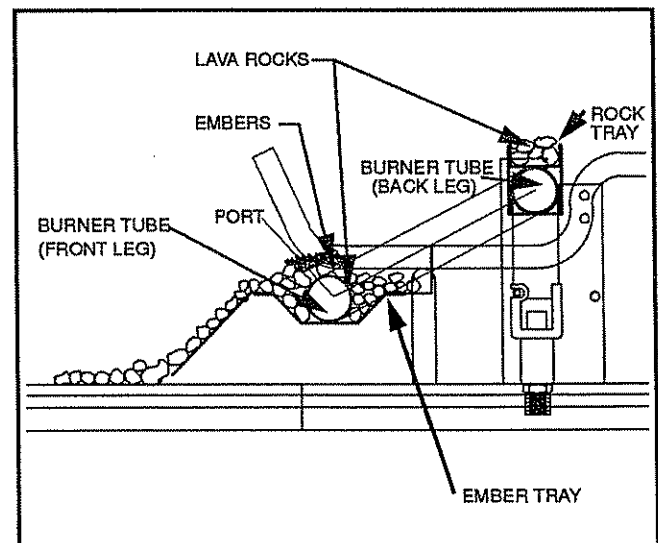


Fig. 35. Burner preparation.

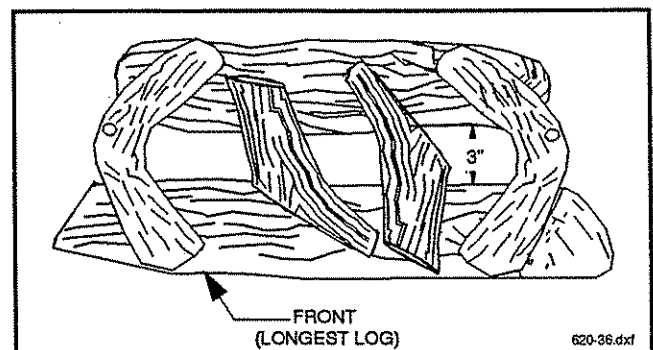


Fig. 36. Gas log positioning.

## 2-18. GT Series Burner and Log Installation.

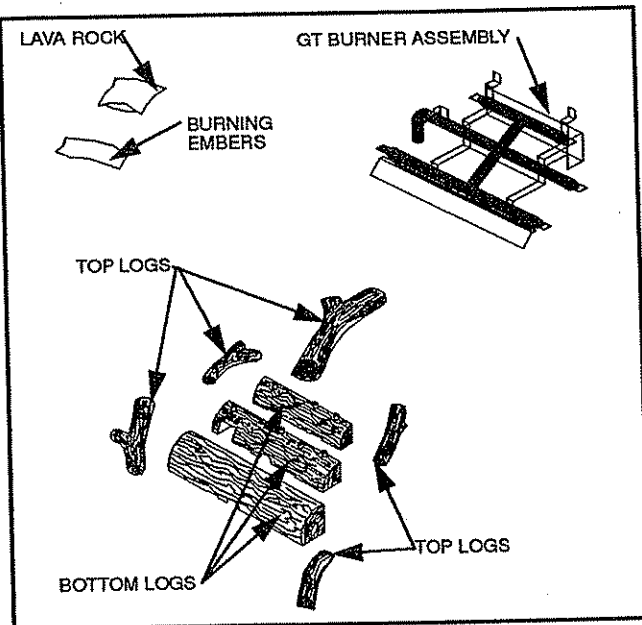


Fig. 37. GT Burner carton contents.

### CHECK CONTENTS OF SHIPPING CARTON

Compare contents of carton in Fig. 37 with actual parts received. If any parts are missing, or damaged, contact your Dealer before starting installation.

### INSTALLATION INSTRUCTIONS

**NOTE:** If you do not have a burner, grate and log assembly already installed, proceed to #2 below.

1). If you have a burner, grate and log assembly installed, remove the logs and lava rock then the burner and grate by bending left and right burner support bracket tabs and removing screw of burner support "Z" bracket. (See Fig. 38.)

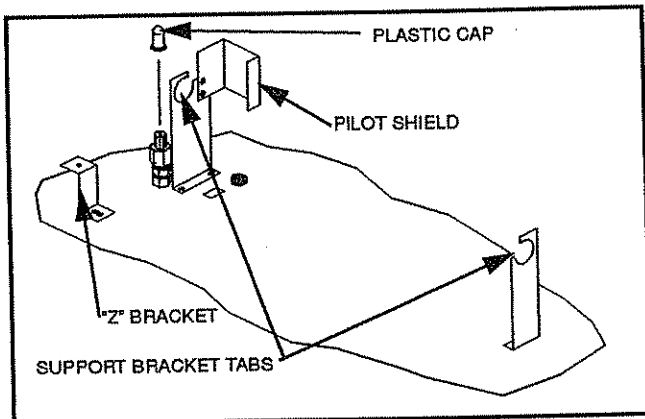


Fig. 38. Location of pilot shield, support bracket tabs and "Z" bracket.

2). If you have a pilot shield around the pilot, remove and discard. (See Fig. 38.)

3). Loosen the burner support "Z" bracket screw, rotate bracket 180° and tighten screw. (See Figs. 38 & 39.)

4). **IMPORTANT!** If you are installing burner tube into an LP fueled appliance, you must adjust air shutter on burner tube to an opening of 3/8". (See Fig. 40.)

5). If you have a plastic cap over the orifice remove it before installing the burner. Lift and set burner in place making sure burner tube with air shutter is resting on orifice. (See Fig. 40.)

6). Bend left and right burner support tabs over burner tube and fasten burner to burner support "Z" bracket with screw. (See Fig. 39.)

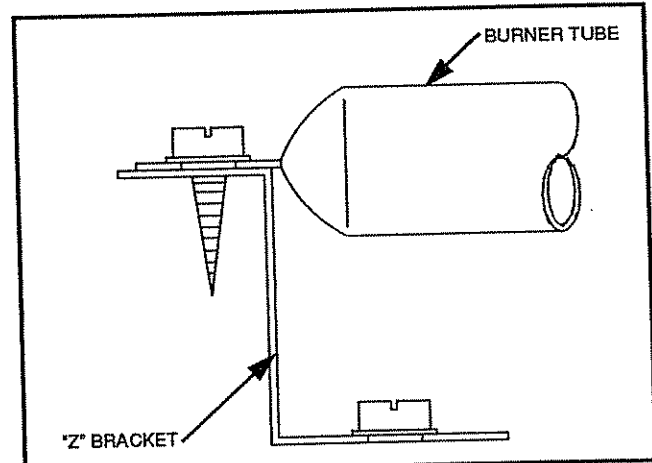


Fig. 39. Burner tube support "Z" bracket.

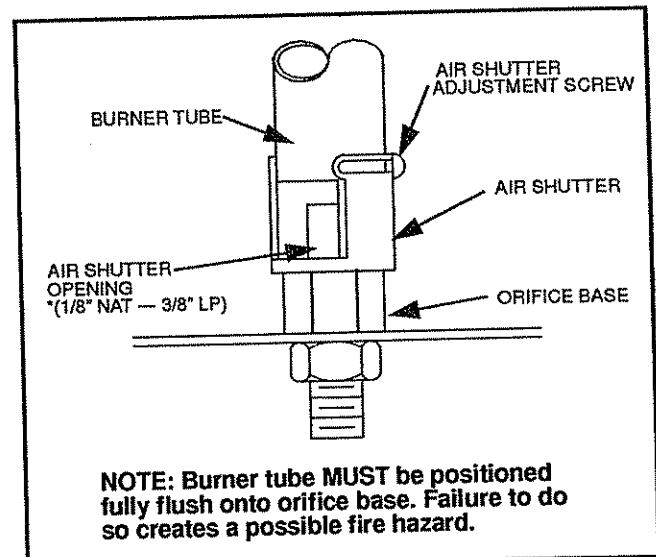


Fig. 40. Burner positioning on orifice.

7). Cover the front leg of the burner tube with one layer of lava rock leaving the port holes open to allow the embers to lay across the rock.

Pour the remaining amount of lava rock on the hearth pan on each side of the burner tube. Evenly apply dime size embers on top of lava rock covering the entire surface of front burner tube.

Make sure that all ports of burner tube ignite. If ports do not ignite, rearrange embers until all burner tube ports ignite. **NOTE:** Unit will not light without glass panel installed.

8). Ceramic fiber logs are fragile when handled, **carefully** unpack logs. There are eight (8) logs in the log set. Position the three (3) bottom logs on the log support brackets. The longest log is the front log; the mid-length log is the middle log and the shortest log is the rear log. The bottom logs are provided with notches to self locate and rest on the log support brackets. (See Fig. 41.)



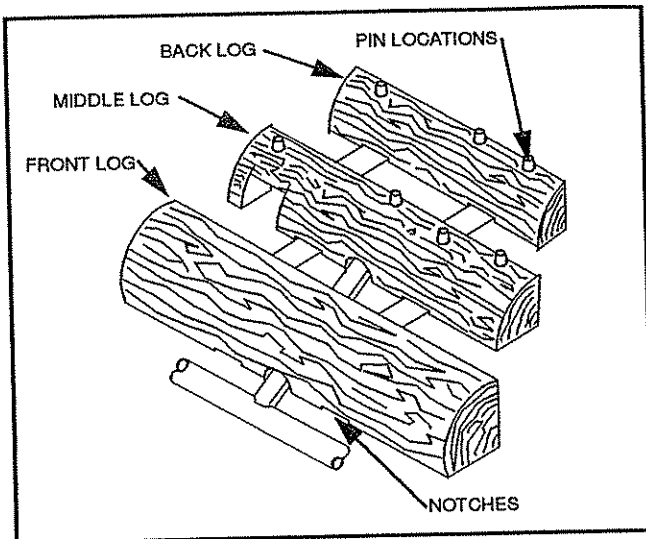


Fig. 41. Bottom log positioning.

9). Position the five (5) top logs on the bottom logs making sure the pins on the bottom logs fit into the holes on the underside of the top logs. Make sure the rear flame comes up and through the hole in the left top rear log. (See Fig. 42.)

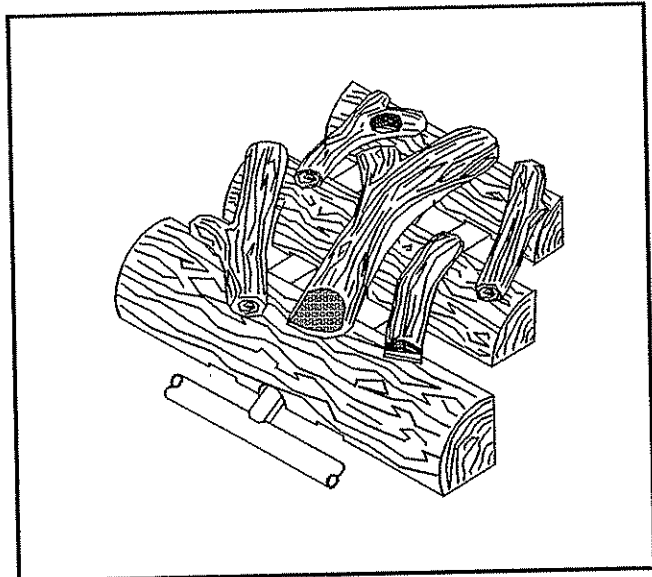


Fig. 42. Bottom and top log positioning.

10). Replace glass trim assembly before lighting appliance.  
 11). Installation is now complete. Refer to the appliance instructions for operating details.

### 2-19. Glass Trim Assembly Installation.

1. Carefully lift glass trim assembly and set bottom flange into glass support bracket. (See Fig. 43.)
2. Push top of glass trim assembly forward until bolts pass through holes in top flanges of glass trim assembly. (Be careful not to let go of glass trim assembly until springs and wing nuts are secured. (See Fig. 43.)
3. Slide springs over bolts, depress springs with wing nuts and fasten tightly with hand. (See Fig. 43.)

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

**NOTE:** Wing nuts that secure glass trim assembly only need to be **HAND TIGHT** to give a snug fit for proper gasket seal.

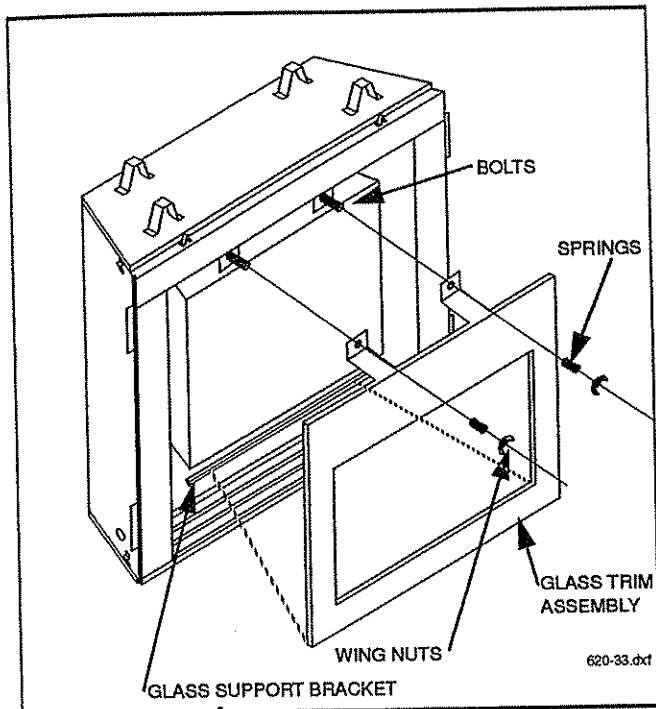


Fig. 43. Installation of glass trim assembly.

4. Attach hood to surround top by inserting hood between surround top and pressure clips. The 45° angle on the hood should be flush with the face of the top surround. (See Fig. 44.)

5. Place one (1) bottom trim strip onto top of lower grille. Remove protective covering from double back tape. (Available only with brass trim kit.)

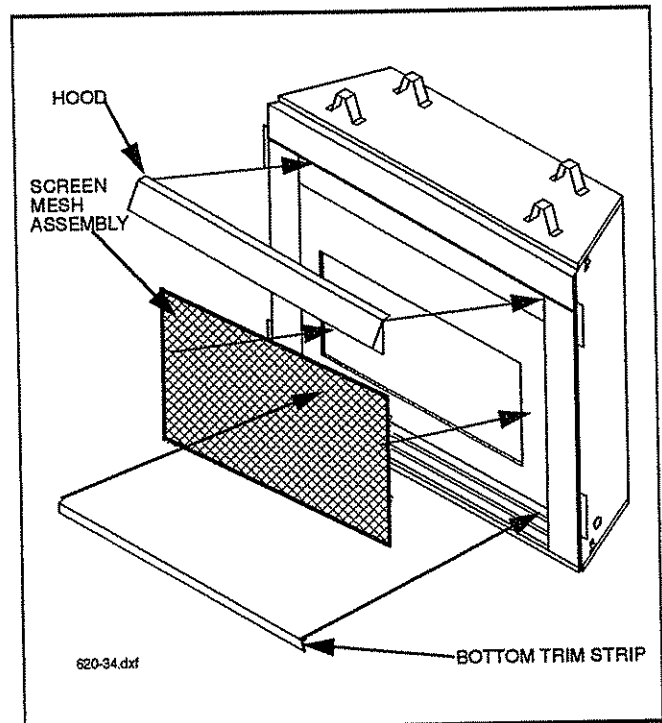


Fig. 44. Installation of the hood and trim strip.

### 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 G330/336/342N/L 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.**

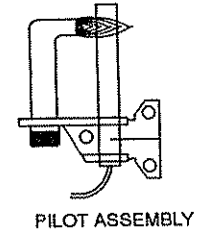
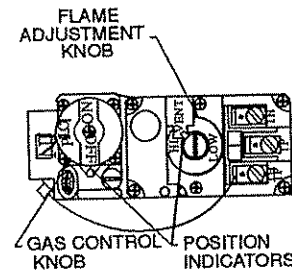
- This appliance has a pilot. When lighting the pilot, follow these instructions exactly.
- BEFORE LIGHTING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

##### 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.
- 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".




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**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.
- The BTU/hr. input can be adjusted to your satisfaction by turning the flame adjustment knob on the valve counterclockwise  for "LO" or clockwise  for "HI".
- To close the control panel simply lift the grille and press in.

### TO TURN OFF GAS TO APPLIANCE

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

3-3. Lighting Instructions for G330/336/342AN/AL 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.

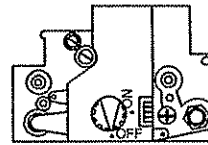
D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of this control system and any gas control which has been underwater.

**LIGHTING INSTRUCTIONS**

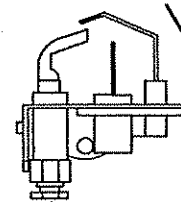
1. **STOP!** Read the safety information above.
2. To access the controls, pull the lower grille forward. The grille is made to open downward.
3. Turn ON-OFF-RS switch on the unit to "OFF". Turn wall switch "OFF" if used. Turn wireless remote if used to "OFF".
4. This appliance is equipped with an ignition 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.




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**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 Trim Assembly Removal.

1. Remove the two (2) wing nuts at the top of the glass trim assembly while holding in on top of glass trim assembly.
2. Remove springs from bolts while holding in on top of glass trim assembly.
3. Glass trim assembly is now ready for removal. Gently swing top away from unit approximately four (4) inches and lift up and out of bottom support track.

#### 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. 45.
4. Taking care of the G330/336/342AN/AL is almost identical to taking care of the G330/336/342A/L. 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.**

#### 4-3. Decorative Log Replacement.

1. Remove the glass trim assembly. (See Section 4.1, Glass Trim Assembly Removal.)
2. The log(s) can now be removed as required. Replace the log(s) as described on pages 15, 16 & 17 Gas Log Positioning. Replace glass trim assembly.

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

1. Before replacing the glass trim assembly, make sure the lava rock material is spread evenly over the bottom of the firebox and the logs are properly positioned.
2. The glass trim assembly will need cleaning periodically depending on how often it is burned. Clean the glass with a household cleaner.
3. Replace the glass trim assembly. (See Section 2.19 Glass Trim Assembly Installation.)

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

**NOTE: Wing nuts that secure glass trim assembly only need to be HAND TIGHT to give a snug fit for proper gasket seal.**

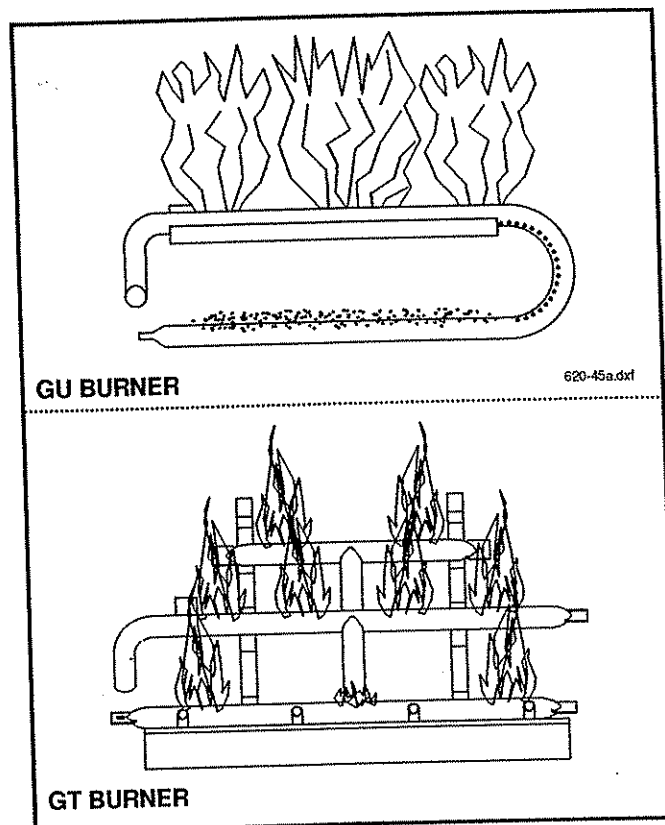


Fig. 45. Flame patterns.

#### 4-5. Safety Information.

##### 1. ELECTRICAL CONTROL SYSTEM G330/336/342N/L

The G330/336/342N/L 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 trim assembly **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.

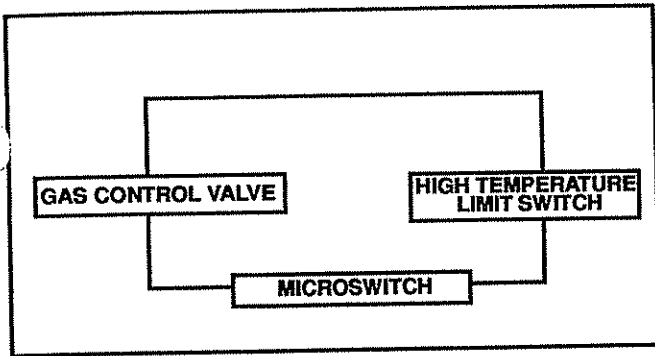


Fig. 46. Electrical wiring system.

## 2. ELECTRICAL CONTROL SYSTEM G330/336/342AN/AL

The G330/336/342AN/AL 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 trim assembly **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.

## 5. TROUBLESHOOTING

### 5-1. G330/336/342N/L 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.

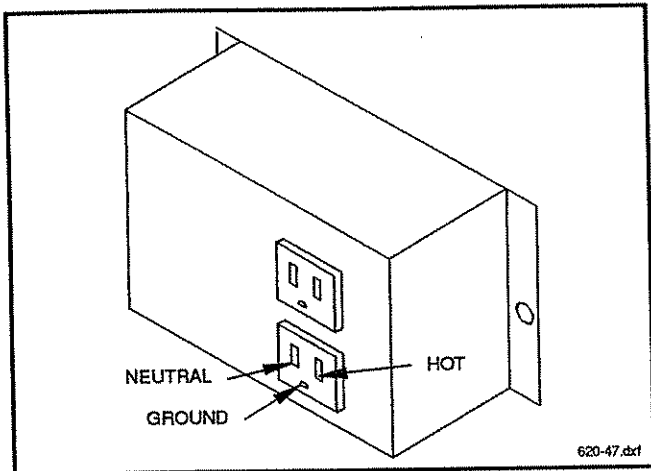


Fig. 47. G330/336/342AN/AL junction box.

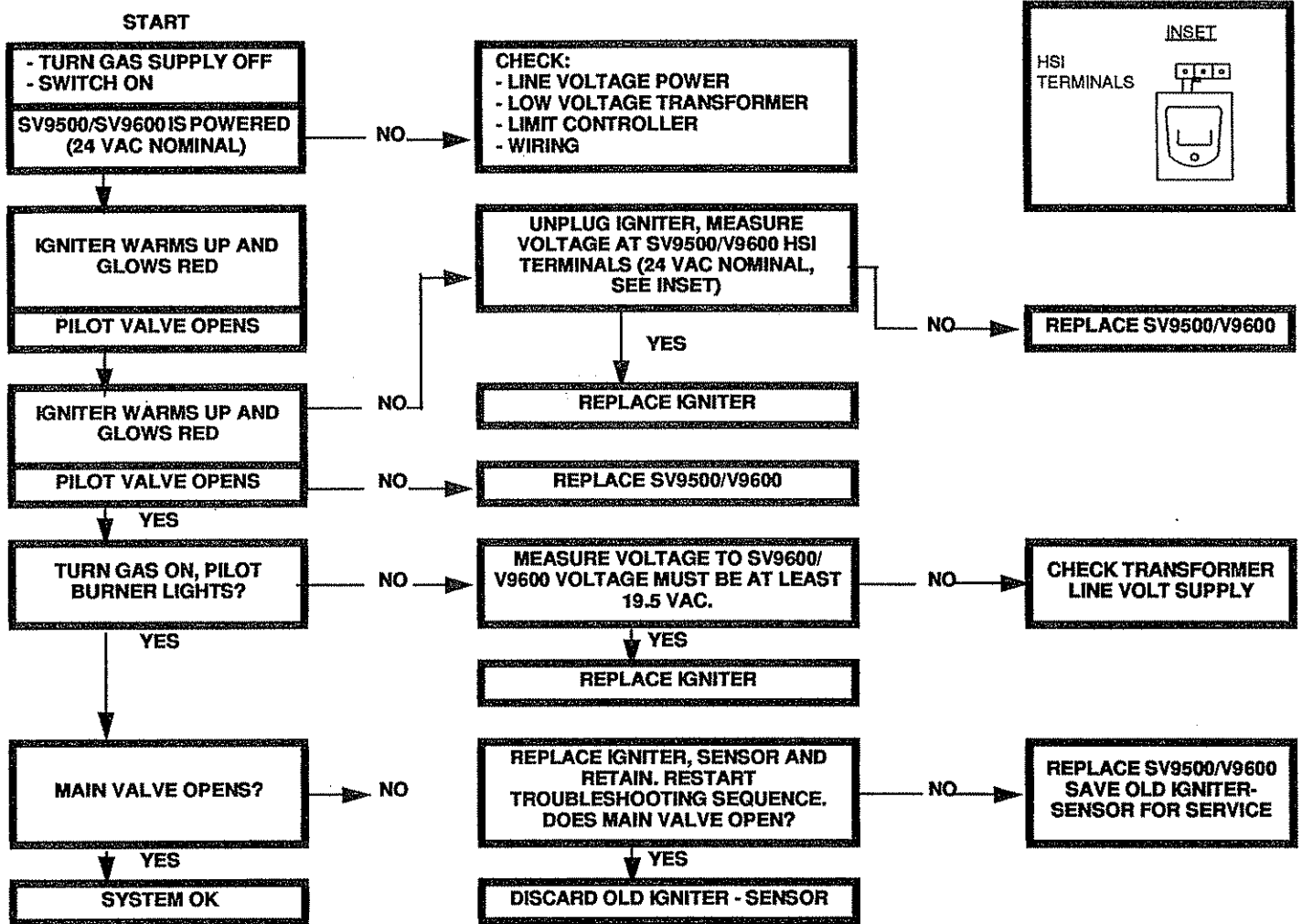
SYMPTOM	POSSIBLE CAUSES	CORRECTIVE ACTION
1. Pilot will not light after repeated triggering of red button.	<p>A. Defective ignitor (no spark at electrode).</p> <p>B. Defective pilot or misaligned electrode (spark at electrode).</p> <p>C. No gas or low gas pressure.</p> <p>D. No L.P. in tank.</p>	<p>1. 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>

### 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:

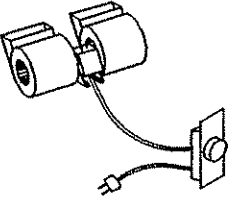
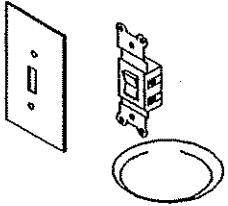
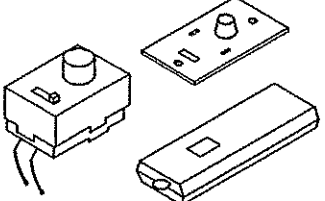
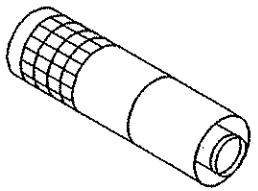
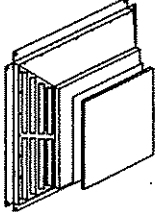
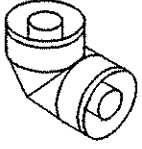
1. The model number and serial number of the appliance. (Located in access area of appliance.)
2. The part number.
3. The description of the part.
4. The manufacture date of the appliance. (Located on lower right hand corner of serial label.)

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

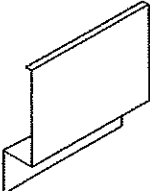
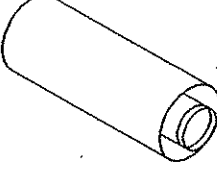
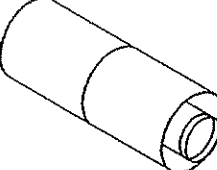

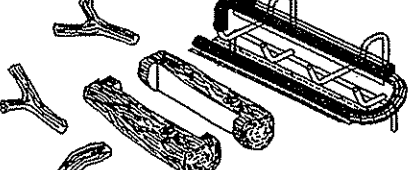
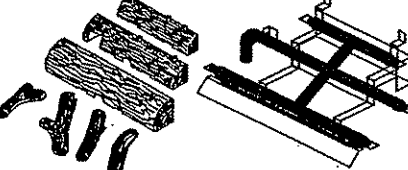
## 7. ACCESSORY PARTS

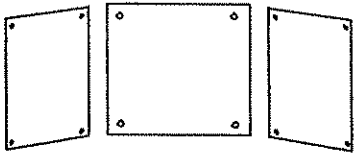
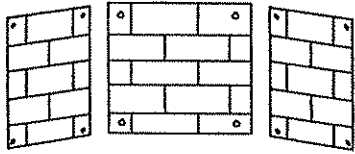
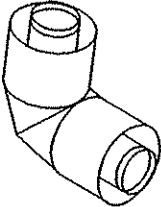
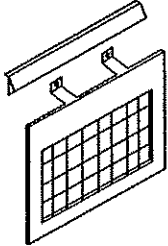
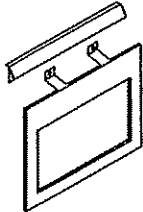
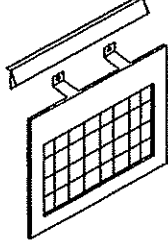
The following accessories are available from your MAJESTIC Dealer. The Vent Kits and fans have their own installation instructions packaged with the unit. Should you need additional information beyond what your dealer can furnish, contact Majestic, Huntington, Indiana 46750, Attention: Director of Customer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

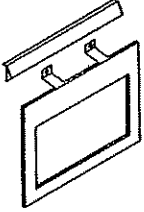
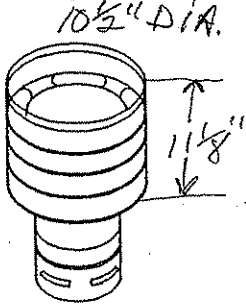
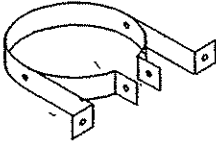

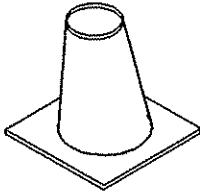
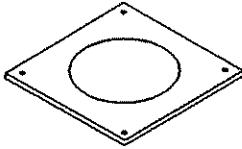

**CAUTION:** This appliance and chimney assembly is a highly engineered system, and, as such, must be operated only with MAJESTIC approved components that have been designed as parts of the system. If you use an unapproved component or make any modifications, you may create a possible fire hazard and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

Accessory	Description	Model No.
<p>Blower Kit</p> 	<p>Designed for the appliance to provide forced air flow.</p>	<p>GFK</p>
<p>Gas Wall Switch Kit</p> 	<p>Remote wall switch.</p>	<p>GWSK</p>
<p>Wireless Remote Control</p> 	<p>Remote operation with hand held transmitter</p>	<p>SRC (Easy Flame®)</p>
<p>Straight Vent Kit</p> 	<p>Vent kit used on wall thickness installations of 4" to 7".</p>	<p>MDVK-01D (Round)</p>
<p>Straight Vent Kit</p> 	<p>Vent kit used with straight out going through wall 4" to 7".</p>	<p>MDVK-03D (Square)</p>
<p>90° Starter Elbow</p> 	<p>90° starter elbow.</p>	<p>DV-90SD</p>



Accessory	Description	Model No.
Siding Shield 	Vinyl Siding Shield.	DVSS
Pipe Sections 	Vent pipe for installations with up to 20 ft. of rise and 24 ft. of run.	DV-48D DV-36D DV-12D DV-09D DV-06D
17 to 24 Inches Telescoping Pipe Sections 	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
GU Burner and Log Assembly 	GU burner assembly is a kit including U-style (2) flame burner with log set and grate.	GU30 GU36 GU42
GT Burner and Log Assembly 	GT burner assembly is a kit including (3) flame burner with log set and grate.	GT30 GT36 GT42

Accessory	Description	Model No.
<p data-bbox="191 163 469 191">Stainless Reflective Panel</p> 	<p data-bbox="667 228 1053 312">Designed to enhance appearance of appliance by adding multiple reflection of the flame.</p>	<p data-bbox="1196 228 1257 312">RF30 RF36 RF42</p>
<p data-bbox="191 403 485 430">Simulated Refractory Panel</p> 	<p data-bbox="667 480 1053 539">Designed to enhance appearance to look more like real masonry.</p>	<p data-bbox="1196 470 1257 554">SR30 SR36 SR42</p>
<p data-bbox="191 638 303 665">90° Elbow</p> 	<p data-bbox="667 743 1053 770">90° elbow for extended installations.</p>	<p data-bbox="1196 743 1273 770">DV90D</p>
<p data-bbox="191 907 485 934">Beveled Glass and Trim Kit</p>  <p data-bbox="244 1192 512 1220">(ONE TRIM STRIP INCLUDED)</p>	<p data-bbox="667 1016 1063 1100">Optional Glass Door Panel – 32 Pane, Black and Brass Surrounds with Brass Hood</p>	<p data-bbox="1196 1016 1245 1100">B30 B36 B42</p>
<p data-bbox="191 1230 452 1257">Plain Glass and Trim Kit</p>  <p data-bbox="264 1486 531 1514">(ONE TRIM STRIP INCLUDED)</p>	<p data-bbox="667 1323 1037 1407">Optional Glass Door Panel – Plain Glass, Black and Brass Surrounds with Brass Hood.</p>	<p data-bbox="1196 1323 1245 1407">P30 P36 P42</p>
<p data-bbox="191 1528 485 1556">Beveled Glass and Trim Kit</p> 	<p data-bbox="667 1625 1053 1709">Optional Glass Door Panel — 32 Pane, all Black Surround with Black Hood.</p>	<p data-bbox="1196 1625 1268 1709">B30/B B36/B B42/B</p>

Accessory	Description	Model No.
<p data-bbox="100 163 365 195">Plain Glass and Trim Kit</p> 	<p data-bbox="579 258 968 342">Optional Glass Door Panel – Plain Glass, all Black Surround with Black Hood.</p>	<p data-bbox="1108 258 1179 342">P30/B P36/B P42/B</p>
<p data-bbox="100 472 323 504">Vertical Termination</p> 	<p data-bbox="584 632 971 663">For vertical termination of appliance.</p>	<p data-bbox="1113 632 1237 663">DVK-TVCD</p>
<p data-bbox="100 850 249 882">Wall Bracket</p> 	<p data-bbox="584 913 976 976">Used to support vertical runs of vent pipe.</p>	<p data-bbox="1113 924 1199 955">DV-WB</p>
<p data-bbox="100 1060 249 1092">Storm Collar</p> 	<p data-bbox="584 1129 906 1161">Used for vertical terminations.</p>	<p data-bbox="1113 1129 1224 1161">8GCSC/8</p>
<p data-bbox="100 1260 224 1291">Flashings</p> 	<p data-bbox="584 1350 956 1381">Flashings for vertical terminations.</p>	<p data-bbox="1113 1318 1377 1413">8GVF18 (0/12-6/12) or 8GVRFS/8 (7/12-12/12)</p>
<p data-bbox="100 1501 294 1533">Vertical Firestop</p> 	<p data-bbox="584 1564 968 1627">Firestop for venting through attic or ceiling.</p>	<p data-bbox="1113 1575 1237 1606">DV-SCD/6</p>
<p data-bbox="100 1717 360 1749">Manifold Regulator Kit</p> 	<p data-bbox="584 1785 959 1848">To allow for manual adjustment of flame intensity.</p>	<p data-bbox="1113 1785 1248 1848">MUN (Nat.) MUL (LP)</p>

**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.**

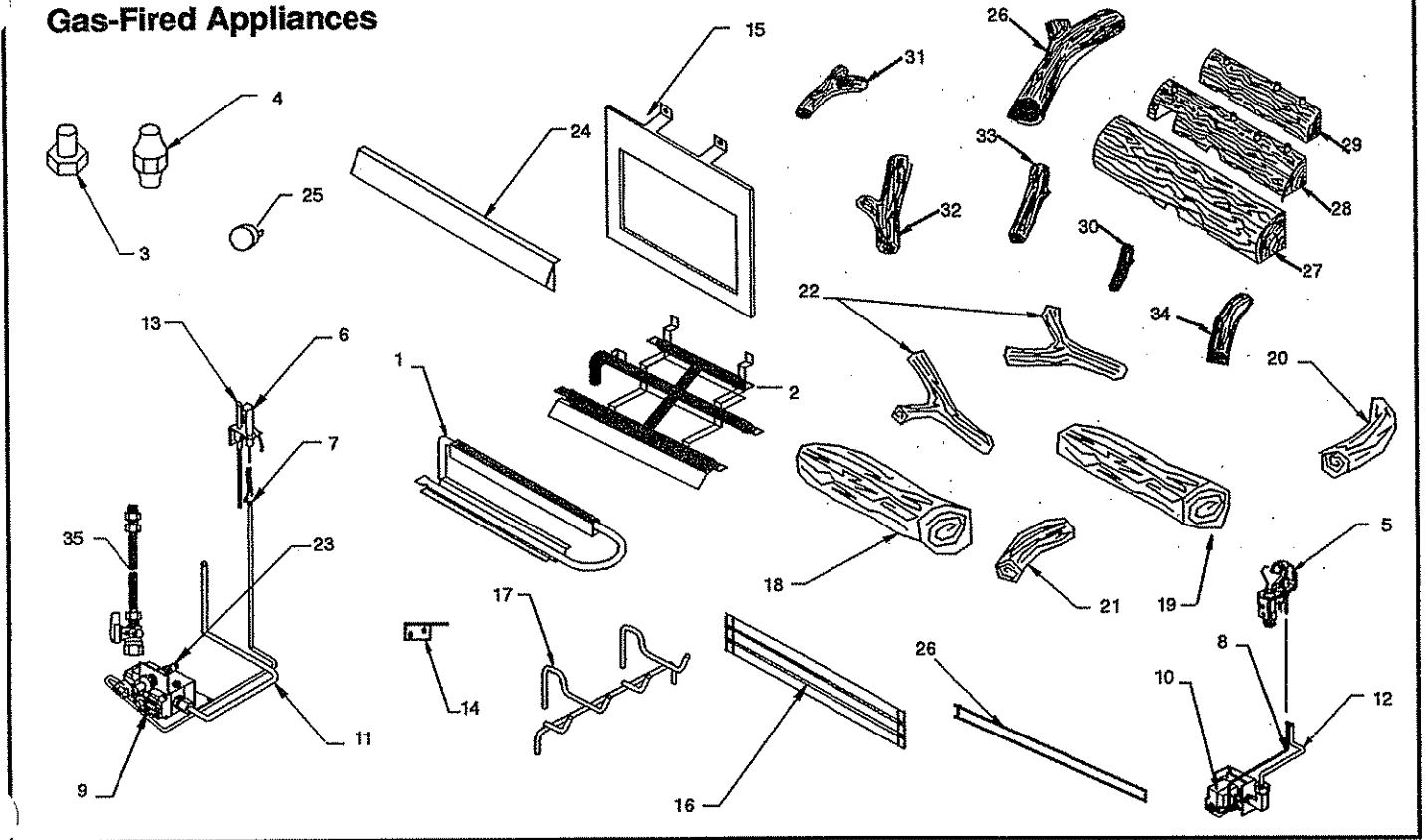
**Tampering is DANGEROUS and voids all warranties.**

## **WARRANTY/REGISTRATION CARD**

# REPLACEMENT PARTS MANUAL

## G330/336/342AN/AL/G330/336/342N/L 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.



### G330/336/342AN/AL/N/L SERIES GAS-FIRED APPLIANCES

Item/Model Number	Part Number
<b>1. BURNER ASSEMBLY (GU ONLY)</b> G330 G336 G342	21-86-100 21-74-100 21-88-100
<b>2. BURNER ASSEMBLY (GT ONLY)</b> G330 G336 G342	21-85-100 21-73-100 21-87-100
<b>3. BURNER ORIFICE</b> G330 NAT. ORIFICE #43 (.089 DIA.) G330 L.P. ORIFICE #55 (.052 DIA.) G336 NAT. ORIFICE #38 (.1015 DIA.) G336 L.P. ORIFICE #53 (.059 DIA.) G342 NAT. ORIFICE #35 (.110 DIA.) G342 L.P. ORIFICE #51 (.067 DIA.)	75-35-170 75-35-172 75-35-161 75-35-131 75-35-168 75-35-169
<b>4. 3/8" BULKHEAD CONNECTOR</b>	75-23-137
<b>5. PILOT ASS'Y - G330/336/342AN/AL</b> NAT. L.P.	75-31-129 75-31-130

## G330/336/342AN/AL/N/L SERIES GAS-FIRED APPLIANCES

Item/Model Number	Part Number
6. PILOT ASS'Y - G330/336/342N/L NAT. (WITH ELECTRODE) L.P.	75-31-117 75-31-118
7. 1/4" PILOT GAS LINE TUBE G330/336/342N/L	75-49-253
8. 1/4" PILOT GAS LINE TUBE G330/336/342AN/AL	75-49-252
9. GAS VALVE - NAT. G330/336/342N G30/336/342AN	75-29-109 75-29-129
10. GAS VALVE - LP. G330/336/342L G330/336/342AL	75-29-110 75-29-130
11. 3/8" BURNER GAS LINE TUBE G330/336/342N/L	75-49-255
12. 3/8" BURNER GAS LINE TUBE G330/336/342AN/AL	75-49-254
13. THERMOGENERATOR ASS'Y - G330/336/342N/L	39-57-282
14. MICROSWITCH	75-22-326
15. GLASS TRIM ASSEMBLY P30 P36 P42 B30 B36 B42 P30/B P36/B P42/B B30/B B36/B B42/B	24-29-100 24-45-100 24-56-100 24-30-100 24-46-100 24-57-100 24-31-100 24-47-100 24-58-100 24-32-100 24-48-100 24-59-100
16. LOUVRE WELD ASS'Y - PAINTED G330 G336 G342	24-22-129 50-37-177 50-41-177
17. GRATE (GU BURNER ONLY) G330 G336 G342	75-79-202 75-79-215 75-79-203
18. FRONT LOG (GU BURNER ONLY) G330 G336 G342	24-36-102 23-49-101 23-50-101
19. REAR LOG (GU BURNER ONLY) G330 G336 G342	24-36-101 23-49-102 23-50-102
20. RIGHT LOG (GU BURNER ONLY)	23-49-104
21. LEFT LOG (GU BURNER ONLY)	23-49-104
22. MIDDLE LOG (2) (GU BURNER ONLY)	23-49-103

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

Item/Model Number	Part Number
23. PIEZO IGNITER	75-92-101
24. HOODS	
G330 — POLISHED BRASS OR BASIC BRASS	24-29-101
G330 — BLACK OR BASIC BLACK	24-31-101
G336 — POLISHED BRASS OR BASIC BRASS	39-57-551
G336 — BLACK OR BASIC BLACK	50-55-102
G342 — POLISHED BRASS OR BASIC BRASS	50-52-111
G342 — BLACK OR BASIC BLACK	50-53-103
25. HIGH TEMPERATURE LIMIT SWITCH (THERMAL DISK)	75-40-218
26. BOTTOM TRIM STRIP	
G330	75-40-520
G336	75-40-209
G342	75-40-510
27. BOTTOM FRONT LOG (GT BURNER ASS'Y)	
G330	75-83-137 ✓
G336	75-83-134
G342	75-83-140
28. BOTTOM MIDDLE LOG (GT BURNER ASS'Y)	
G330	75-83-138 ✓
G336	75-83-135
G342	75-83-141
29. BOTTOM REAR LOG (GT BURNER ASS'Y)	
G330	75-83-139 <i>NO</i>
G336	75-83-136
G342	75-83-142
30. MIDDLE TOP LOG (GT BURNER ASS'Y)	
G330	
G336	75-83-129 ✓
G342	
31. LEFT TOP REAR LOG (GT BURNER ASS'Y)	
G330	
G336	75-83-132 ✓
G342	
32. LEFT TOP FRONT LOG (GT BURNER ASS'Y)	
G330	
G336	75-83-133 ✓
G342	
33. RIGHT TOP REAR LOG (GT BURNER ASS'Y)	
G330	
G336	75-83-130 ✓
G342	
34. RIGHT TOP FRONT LOG (GT BURNER ASS'Y)	
G330	
G336	75-83-131 ✓
G342	
35. FLEXIBLE CONNECTOR WITH SHUT-OFF VALVE	75-49-291

