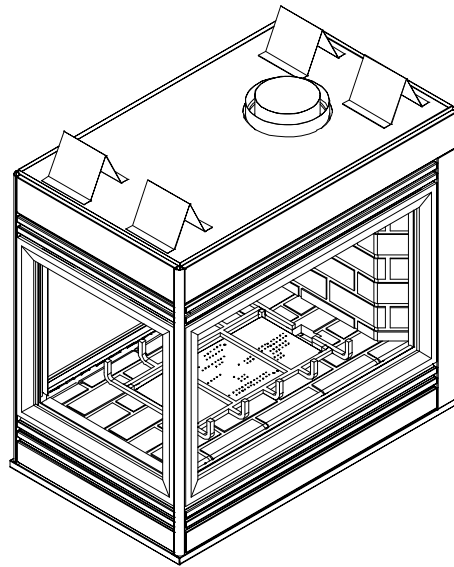


Models:
Pier-TRC-CE
ST-TRC-CE
L-Corner-TRC-CE
R-Corner-TRC-CE

Installers Guide



WARNING:
IF THE INFORMATION IN THESE INSTRUCTIONS IS NOT FOLLOWED EXACTLY, A FIRE OR EXPLOSION MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY, OR DEATH.

- Do not store or use petrol or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **What to do if you smell gas**
 - Do not try to light any appliance.
 - Do not touch any electrical switch.
 - Do not use any phone 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.
- Installation and service must be performed by a qualified installer or competent person.

READ THIS MANUAL BEFORE INSTALLING OR OPERATING THIS APPLIANCE. THIS *INSTALLERS GUIDE* MUST BE LEFT WITH APPLIANCE FOR FUTURE REFERENCE.

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 OR COMPETENT PERSON.

These instructions are only valid if the following country symbol is on the appliance. If this symbol is not present on the appliance, it is necessary to refer to the technical instructions which will provide the necessary information concerning the modification of the appliance to the conditions of use for the country.

These instructions are valid for the following countries: GB, IE


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Heat-N-Glo, a division of Hearth Technologies Inc.
20802 Kensington Blvd., Lakeville, MN 55044


Please contact your Heat-N-Glo dealer with any questions or concerns. For the number of your nearest Heat-N-Glo dealer, please call 952-985-6000.

This product is covered by one or more of the following patents: (United States) 4,112,913; 4,408,594; 4,422,426; 4,424,792; 4,520,791; 4,793,322; 4,852,548; 4,875,464; 5,000,162; 5,016,609; 5,076,254 5,191,877; 5,218,953; 5,328,356; 5,429,495; 5,452,708; 5,542,407; 5,613,487; (Australia) 543790; 586383; (Canada) 1,123,296; 1,297,746; 2,195,264; (Mexico) 97-0457; (New Zealand) 200265; or other U.S. and foreign patents pending.


SAFETY AND WARNING INFORMATION


 **READ** and **UNDERSTAND** all instructions carefully before starting the installation. **FAILURE TO FOLLOW** these installation instructions may result in a possible fire hazard and will void the warranty.


 Prior to the first firing of the fireplace, **READ** the Using Your Fireplace section of the *Users Guide*.


 **DO NOT USE** this appliance if any part has been under water. Immediately **CALL** a qualified service technician to inspect the unit and to replace any part of the control system and any gas control which has been under water.


 **THIS UNIT IS NOT FOR USE WITH SOLID FUEL.**


 Installation and repair should be **PERFORMED** by a qualified service person. The appliance and flue system should be **INSPECTED** before initial use and at least annually by a professional service person.


 Always **KEEP** the appliance clear and free from combustible materials, petrol, and other flammable vapors and liquids.


 **NEVER OBSTRUCT** the flow of combustion and ventilation air. Keep the front of the appliance **CLEAR** of all obstacles and materials for servicing and proper operations.


 Due to the high temperature, the appliance should be **LOCATED** out of traffic areas and away from furniture and draperies. Clothing or flammable material **SHOULD NOT BE PLACED** on or near the appliance.


 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.


 These units **MUST** use one of the fluing systems described in the Installing the Fireplace section of the *Installers Guide*. **NO OTHER** flue systems or components **MAY BE USED**.


 This gas stove and flue assembly **MUST** be vented directly to the outside and **MUST NEVER** be attached to a chimney serving a separate solid fuel burning appliance. Each gas appliance **MUST USE** a separate flue system. Common flue systems are **PROHIBITED**.


 **INSPECT** the external terminal cap on a regular basis to make sure that no debris is interfering with the air flow.


 The glass door assembly **MUST** be in place and sealed, and the trim door assembly **MUST** be in place on the stove before the unit can be placed into safe operation.

 **DO NOT OPERATE** this appliance with the glass door removed, cracked, or broken. Replacement of the glass door should be performed by a licensed or qualified service person. **DO NOT** strike or slam the glass door.

 The glass door assembly **SHALL ONLY** be replaced as a complete unit, as supplied by the gas stove manufacturer. **NO SUBSTITUTE** material may be used.

 **DO NOT USE** abrasive cleaners on the glass door assembly. **DO NOT ATTEMPT** to clean the glass door when it is hot.

 Turn off the gas before servicing this appliance. It is recommended that a qualified service technician perform an appliance check-up at the beginning of each heating season.

 Any safety screen or guard removed for servicing must be replaced before operating this appliance.


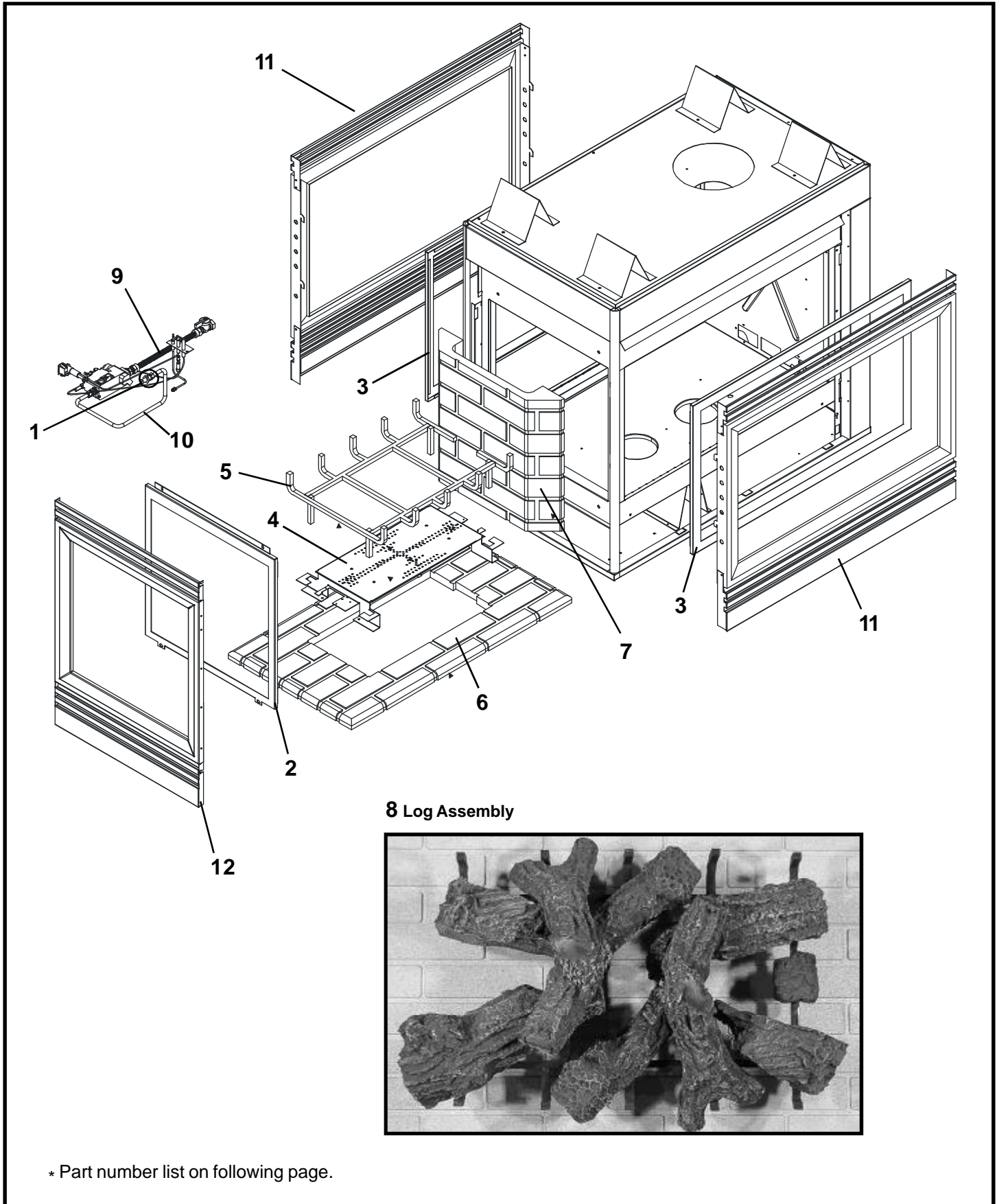
 This appliance is intended for use on a gas installation with a governed meter.

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PIER-TRC-CE Exploded Parts Diagram

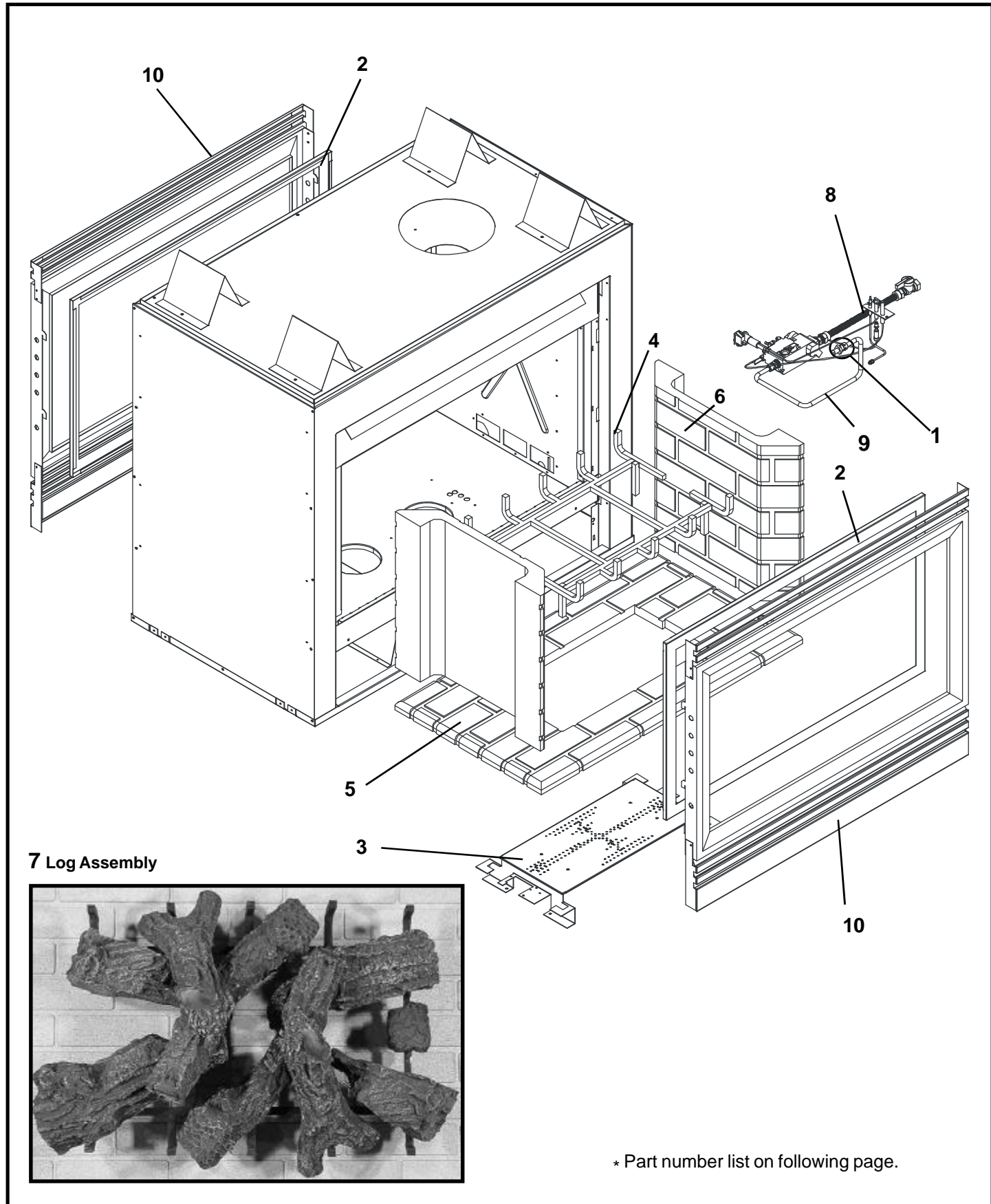


PIER-TRC-CE (NG, LP) Exploded Parts Diagram

IMPORTANT: THIS IS DATED INFORMATION. The most current information is located on your dealers VIP site. When ordering, supply serial and model numbers to ensure correct service parts.

ITEM	PARTS	SERIAL #	PART NUMBER
	ON/OFF Rocker Switch		060-511
1	Burner Orifice NG		506-800
1	Burner Orifice LP		446-801
2	Glass Door Assembly - End		GLA-PTRC-E
3	Glass Door Assembly - Side		GLA-PIER
4	Burner Assembly NG		501-272A
4	Burner Assembly LP		501-273A
5	Log Grate		501-364
6	Base Refractory		SRV504-738-UM
7	Refractory, Rear		SRV504-737-UM
8	Log Set Assembly (sold as complete log set only)		LOGS-MS
9	Flex Assembly		302-330A
10	Tube Assembly		567-301A
11	Door Assembly - Side		418-240A
12	Door Assembly - End		501-141A
	Piezo Ignitor		418-513
	Valve NG		060-524
	Valve LP		060-526
	Pilot Assembly NG		529-510A
	Pilot Assembly LP		529-511A
	Pilot Orifice NG		529-512
	Pilot Orifice LP		529-513

ST-TRC-CE Exploded Parts Diagram

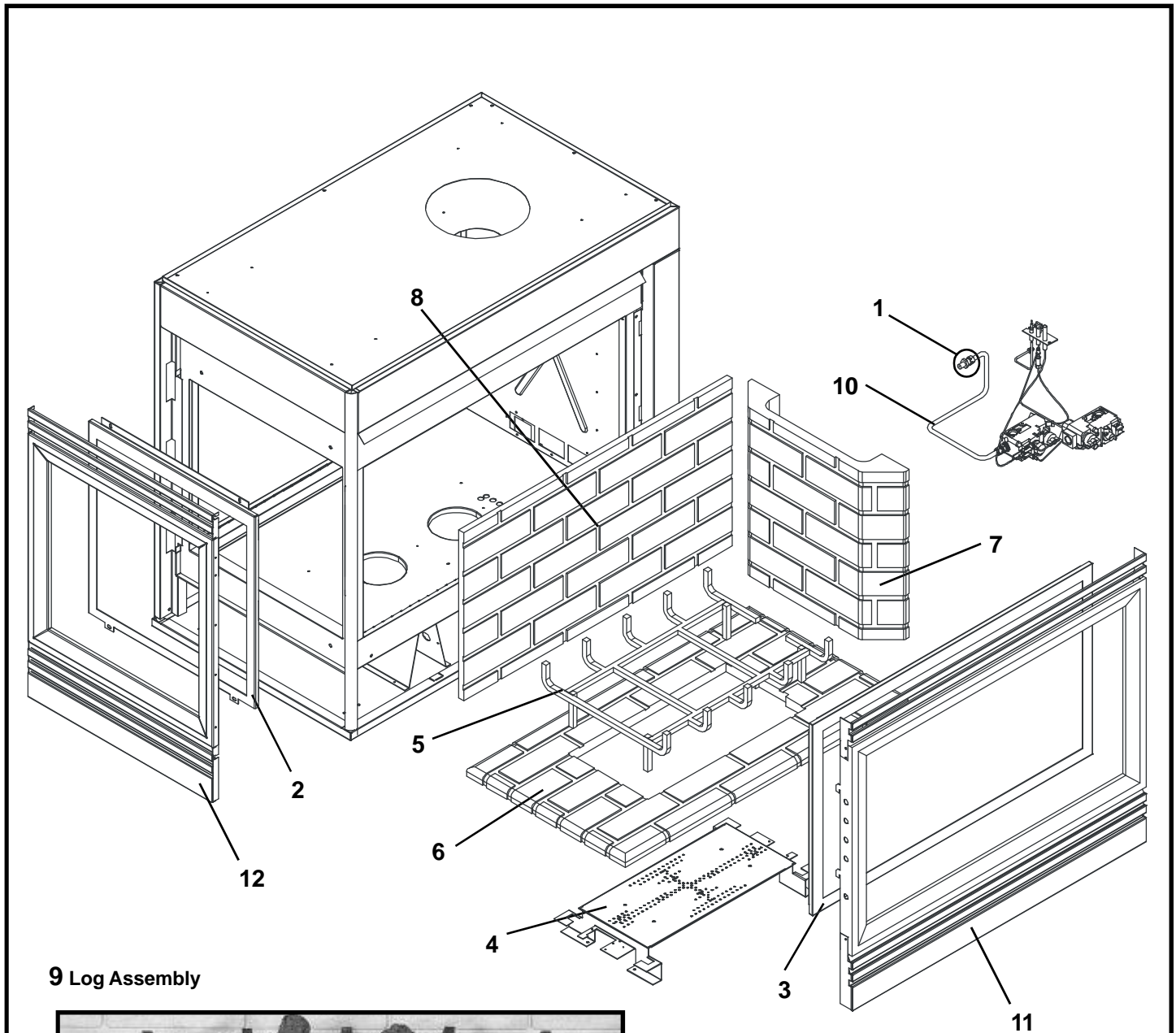


ST-TRC-CE (NG, LP) Exploded Parts Diagram

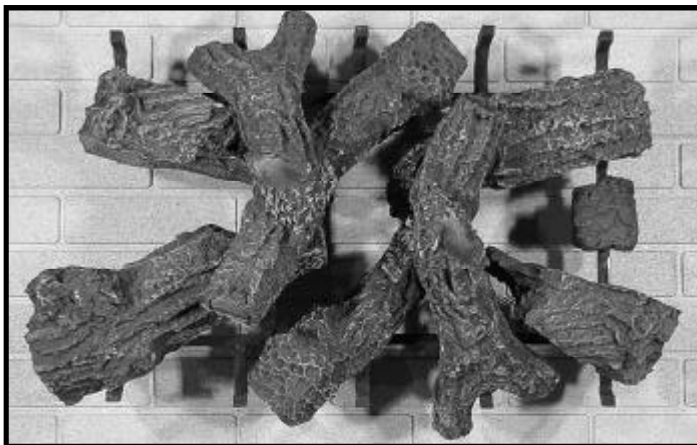
IMPORTANT: THIS IS DATED INFORMATION. The most current information is located on your dealers VIP site. When ordering, supply serial and model numbers to ensure correct service parts.

ITEM	PARTS	SERIAL #	PART NUMBER
	ON/OFF Rocker Switch		060-511
1	Burner Orifice NG		506-800
1	Burner Orifice LP		446-801
2	Glass Door Assembly		GLA-PIER
3	Burner Assembly NG		501-272A
3	Burner Assembly LP		501-273A
4	Log Grate		501-364
5	Base Refractory		SRV504-738-UM
6	Refractory, Rear		SRV504-737-UM
7	Log Set Assembly (sold as complete log set only)		LOGS-MS
8	Flex Assembly		302-330A
9	Tube Assembly		567-301A
10	Door Assembly		418-240A
	Piezo Ignitor		418-513
	Valve NG		060-524
	Valve LP		060-526
	Pilot Assembly NG		529-510A
	Pilot Assembly LP		529-511A
	Pilot Orifice NG		529-512
	Pilot Orifice LP		529-513

L-CORNER-TRC-CE Exploded Parts Diagram



9 Log Assembly



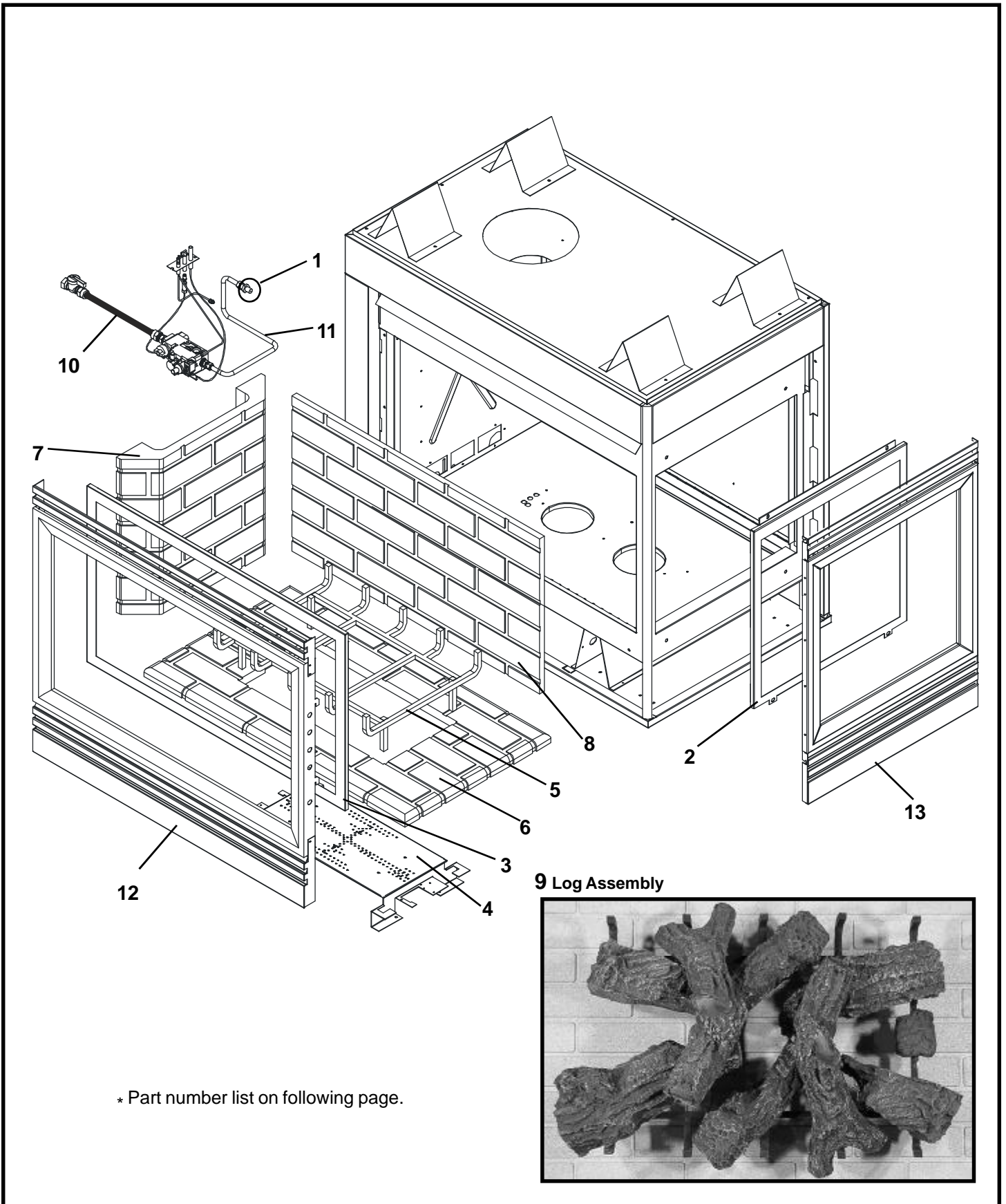
* Part number list on following page.

L-CORNER-TRC-CE (NG, LP) Exploded Parts Diagram

IMPORTANT: THIS IS DATED INFORMATION. The most current information is located on your dealers VIP site. When ordering, supply serial and model numbers to ensure correct service parts.

ITEM	PARTS	SERIAL #	PART NUMBER
	ON/OFF Rocker Switch		060-511
1	Burner Orifice NG		506-800
1	Burner Orifice LP		446-801
2	Glass Door Assembly - End		GLA-PTRC-E
3	Glass Door Assembly - Side		GLA-PIER
4	Burner Assembly NG		501-272A
4	Burner Assembly LP		501-273A
5	Log Grate		501-364
6	Base Refractory		SRV504-738-UM
7	Refractory, Rear		SRV504-737-UM
8	Refractory, Back		SRV504-736-UM
9	Log Set Assembly (sold as complete log set only)		LOGS-MS
10	30" Gas Tube		SRV570-302
11	Door Assembly - Side		418-240A
12	Door Assembly - End		501-141A
	Flex Assembly		302-320A
	Piezo Ignitor		418-513
	Valve NG		060-524
	Valve LP		060-526
	Pilot Assembly NG		529-510A
	Pilot Assembly LP		529-511A
	Pilot Orifice NG		529-512
	Pilot Orifice LP		529-513

R-CORNER-TRC-CE Exploded Parts Diagram / Vue éclatée des pièces



R-CORNER-TRC-CE (NG, LP) Exploded Parts Diagram

IMPORTANT: THIS IS DATED INFORMATION. The most current information is located on your dealers VIP site. When ordering, supply serial and model numbers to ensure correct service parts.

ITEM	PARTS	SERIAL #	PART NUMBER
	ON/OFF Rocker Switch		060-511
1	Burner Orifice NG		506-800
1	Burner Orifice LP		446-801
2	Glass Door Assembly - End		GLA-PTRC-E
3	Glass Door Assembly - Side		GLA-PIER
4	Burner Assembly NG		501-272A
4	Burner Assembly LP		501-273A
5	Log Grate		501-364
6	Base Refractory		SRV504-738-UM
7	Refractory, Rear		SRV504-737-UM
8	Refractory, Back		SRV504-736-UM
9	Log Set Assembly (sold as complete log set only)		LOGS-MS
10	Flex Assembly		302-320A
11	Tube Assembly		567-301A
12	Door Assembly - Side		418-240A
13	Door Assembly - End		501-141A
	Piezo Ignitor		418-513
	Valve NG		060-524
	Valve LP		060-526
	Pilot Assembly NG		529-510A
	Pilot Assembly LP		529-511A
	Pilot Orifice NG		529-512
	Pilot Orifice LP		529-513

1

Approval Regulations

Appliance Certification

The Heat-N-Glo fireplace models discussed in this *Installers Guide* have been tested to certification standards and listed by the applicable laboratories.

Certification
MODELS: PIER-TRC-CE, ST-TRC-CE, L-CORNER-TRC-CE, R-CORNER-TRC-CE
LABORATORY: Advantica
TYPE: Gas Fireplace
STANDARD: 90/396/EEC

Installation Regulations

Before installation check that local distribution conditions, nature of gas and pressure, and adjustment of the appliance are compatible.

This appliance must be installed with the rules in force, and used only in a sufficiently ventilated space. Consult instructions before installation and use of this appliance.



Heat-N-Glo Quality
Systems registered
by SGS ICS

2

Getting Started

Introducing the Heat-N-Glo Gas Fireplaces

Heat-N-Glo direct flue gas fireplaces are designed to operate with all combustion air siphoned from outside of the building and all exhaust gases expelled to the outside.

The information contained in this *Installers Guide*, unless noted otherwise, applies to all models and gas control systems. Gas fireplace diagrams, including the dimensions, are shown in this section.

Pre-install Preparation

This gas fireplace and its components are tested and safe when installed in accordance with this *Installers Guide*. Report to your dealer any parts damaged in shipment, particularly the condition of the glass. **Do not install any unit with damaged, incomplete, or substitute parts.**

The flue system components and trim doors are shipped in separate packages. The gas logs are packaged separately and must be field installed.

Read all of the instructions before starting the installation. Follow these instructions carefully during the installation to ensure maximum safety and benefit. Failure to follow these instructions will void the owner's warranty and may present a fire hazard.

The Heat-N-Glo Warranty will be voided by, and Heat-N-Glo disclaims any responsibility for, the following actions:

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

ANY SUCH ACTION MAY POSSIBLY CAUSE A FIRE HAZARD.

When planning a fireplace installation, it's necessary to determine:

- Where the unit is to be installed.
- The flue system configuration to be used.
- Gas supply piping.
- Electrical wiring.
- Framing and finishing details.
- Whether optional accessories—devices such as a fan, wall switch, or remote control—are desired.

If the fireplace is to be installed on carpeting or tile, or on any combustible material other than wood flooring, the fireplace should be installed on a metal or wood panel that extends the full width and depth of the fireplace.

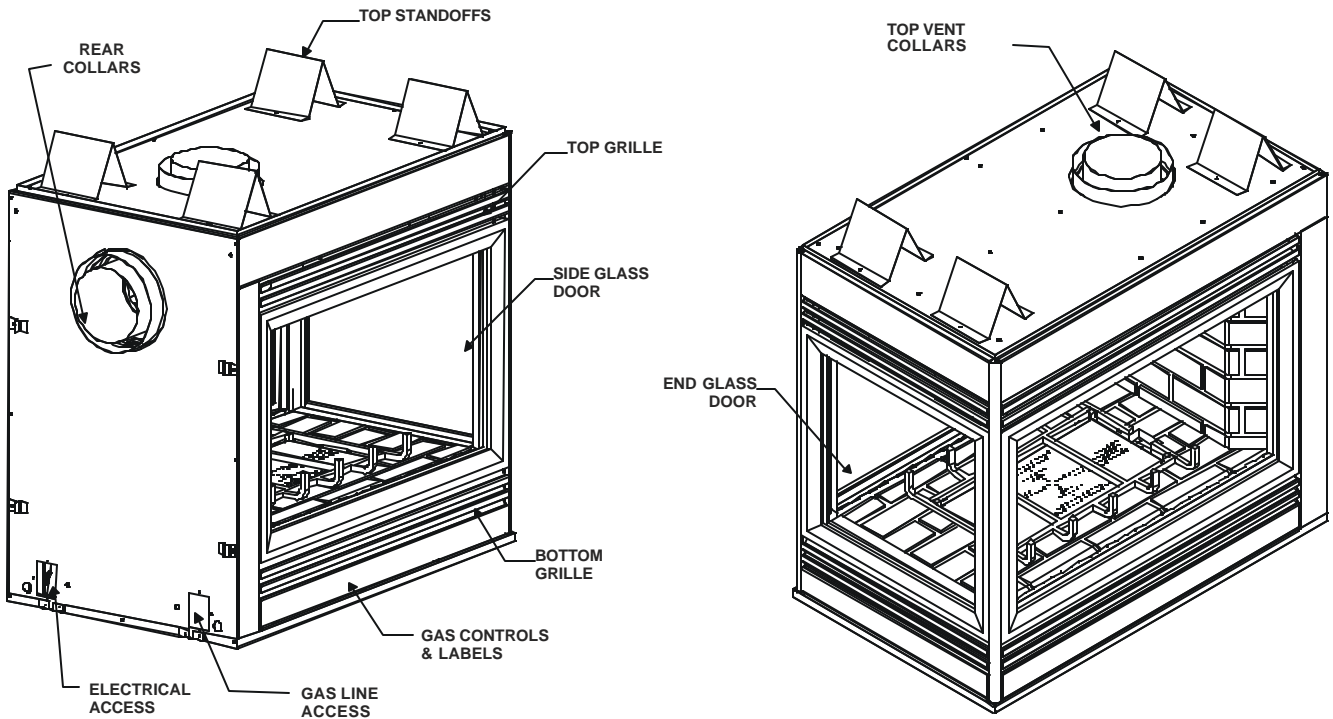
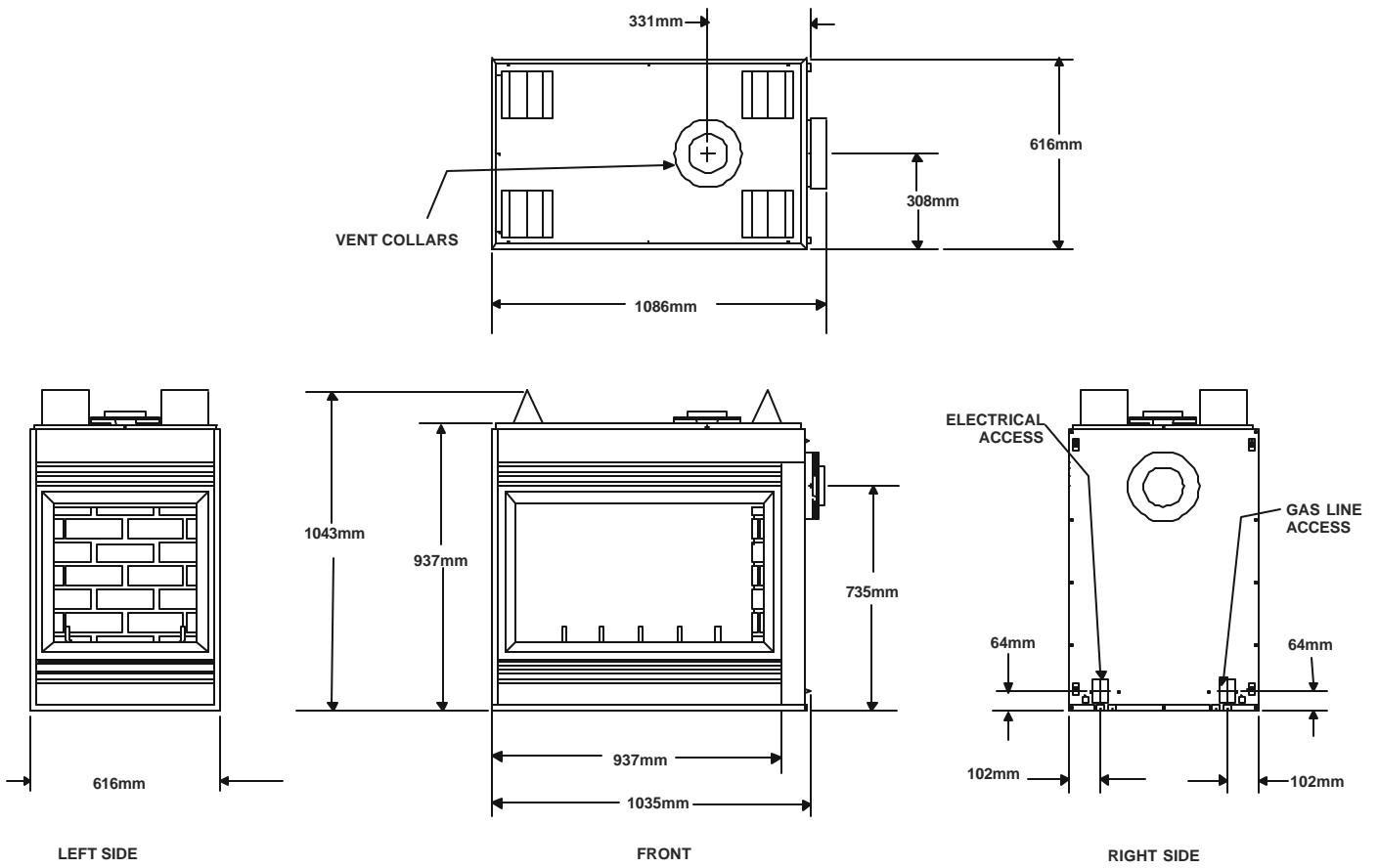


Figure 1. Diagram of the PIER-TRC-CE

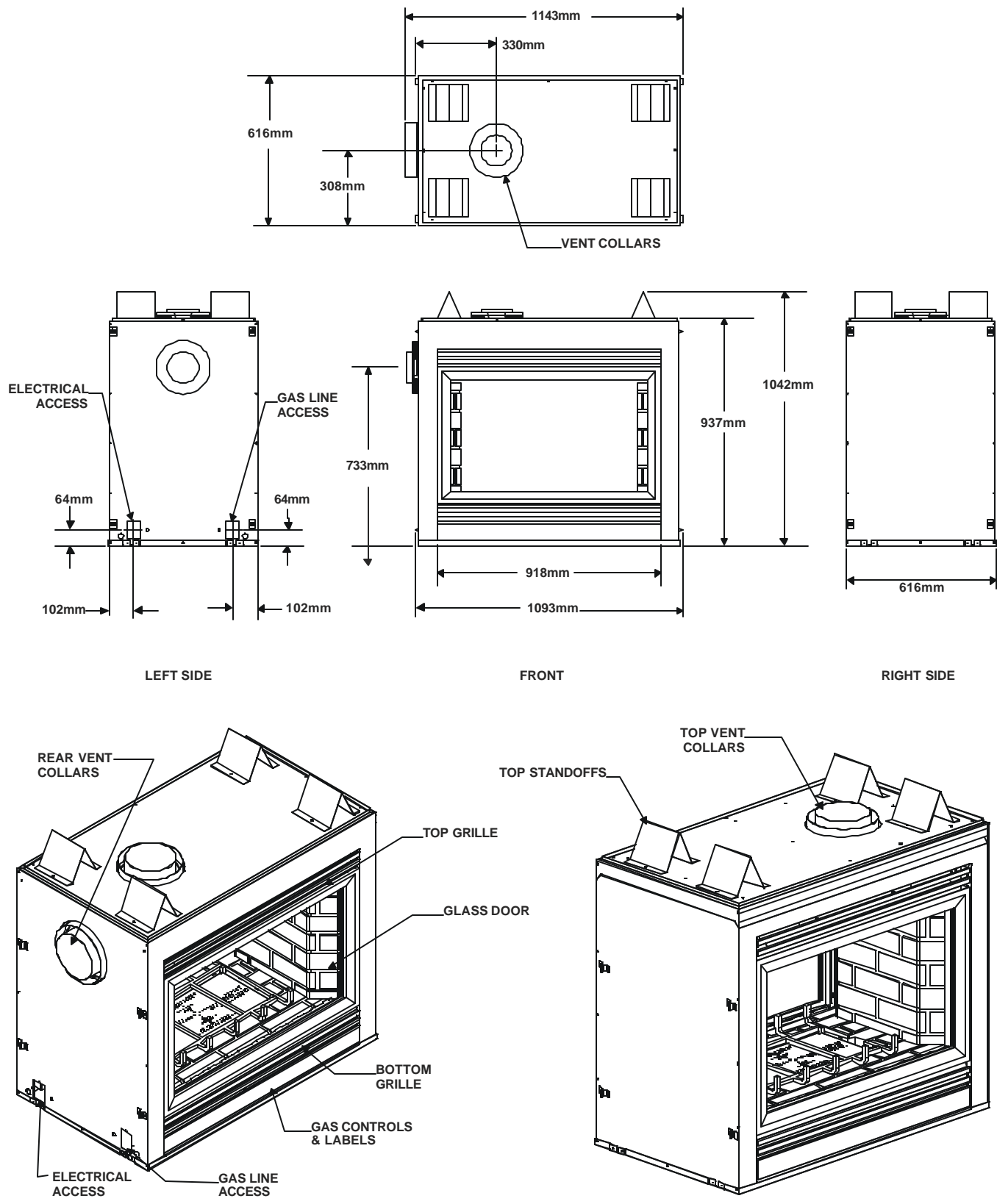


Figure 2. Diagram of the ST-TRC-CE

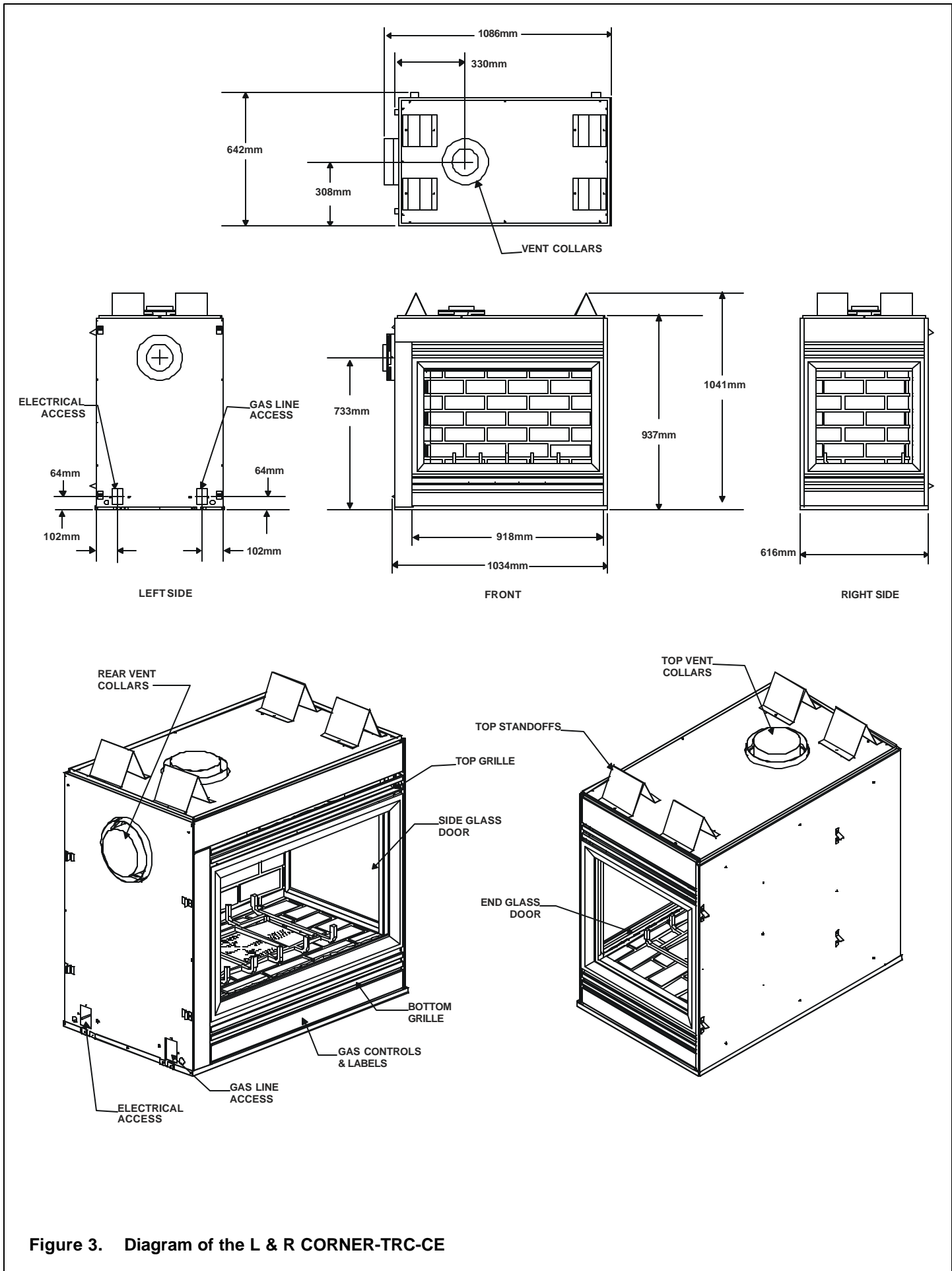


Figure 3. Diagram of the L & R CORNER-TRC-CE

3

Installing the Fireplace

Step 1. Locating the Fireplace

The diagram below shows space and clearance requirements for locating a fireplace within a room.

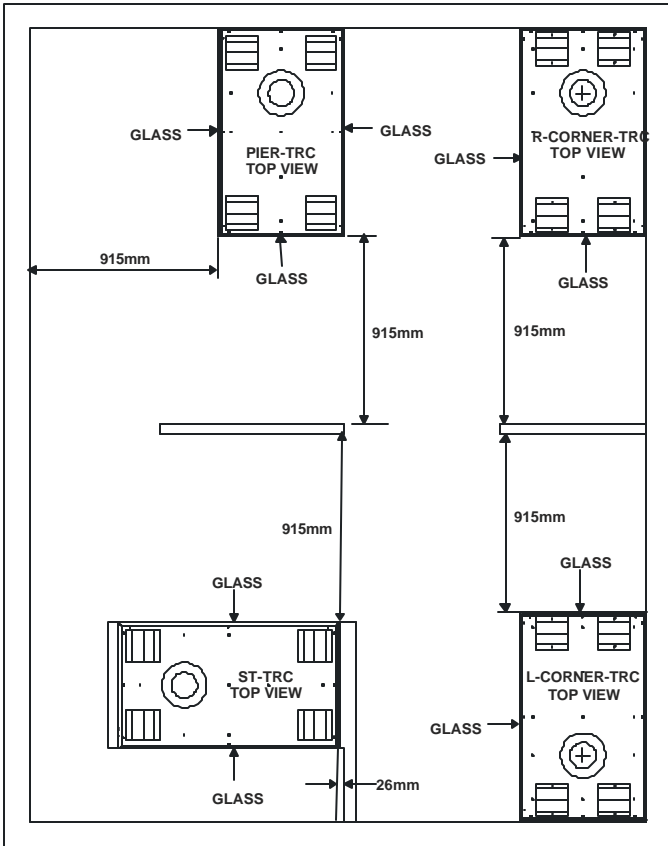


Figure 4. Fireplace Dimensions and Locations

Clearance Requirements

The top, back, and sides of the fireplace are defined by stand-offs. The minimum clearance to a perpendicular wall extending past the face of the fireplace is 26 mm. The metal ends of the fireplace may **NOT** be recessed into combustible construction. There are no ventilation requirements for the recess.

Minimum Clearances from the Fireplace to Combustible Materials

Glass Sides or Ends	915 mm
Floor	0
Rear Flue	26 mm
Metal Sides or Ends	13 mm
Top	115 mm
Ceiling*	788 mm

* The clearance to the ceiling is measured from the top of the unit, excluding the standoffs (see Figure 35).

The distance from the unit to combustible construction is to be measured from the unit outer warp surface to the combustible construction, **NOT** from the screw heads that secure the unit together.

Minimum Clearances from the Flue Pipe to Combustible Materials

Vertical Sections	26 mm
Horizontal Sections	
Top	77 mm
Bottom	26 mm
Sides	26 mm
At Wall Firestops	
Top	64 mm
Bottom	13 mm
Sides	26 mm

For minimum clearances, see the direct flue termination clearance diagrams on pages 27 and 28 in this manual.

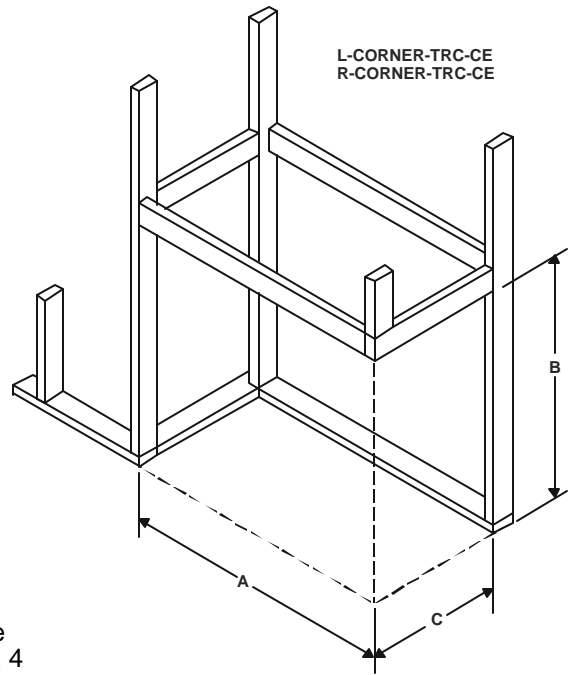
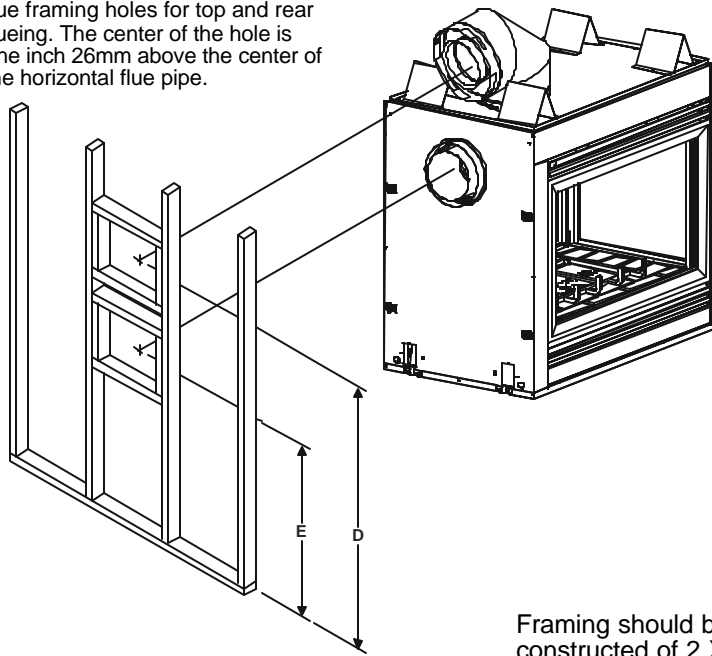
Step 2. Framing the Fireplace

Fireplace framing can be built before or after the fireplace is set in place. Framing should be positioned to accommodate wall coverings and fireplace facing material. The diagrams on the following pages show framing reference dimensions.

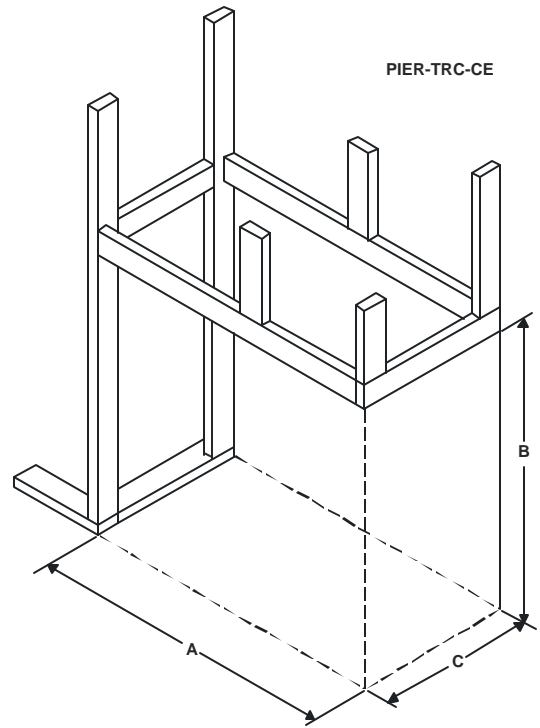
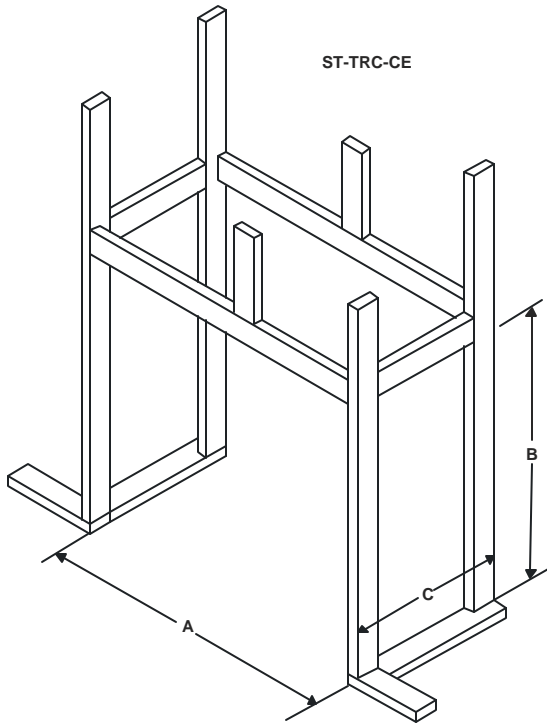
CAUTION: MEASURE FIREPLACE DIMENSIONS AND VERIFY FRAMING METHODS AND WALL COVERING DETAILS BEFORE FRAMING.

WARNING: FRAMING DIMENSIONS ASSUME USE OF 13 MM THICK WALL COVERING MATERIALS ON EXTERIOR OF FRAMING ONLY AND NO SHEETROCK ON INTERIOR OF FRAMING.

Shows center of 305mm x 305mm flue framing holes for top and rear flueing. The center of the hole is one inch 26mm above the center of the horizontal flue pipe.



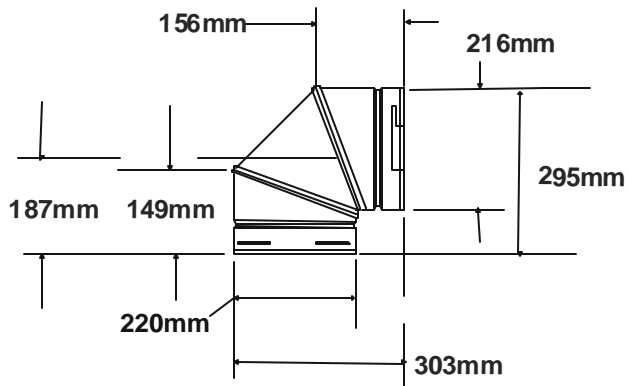
Framing should be constructed of 2 X 4 lumber or heavier.



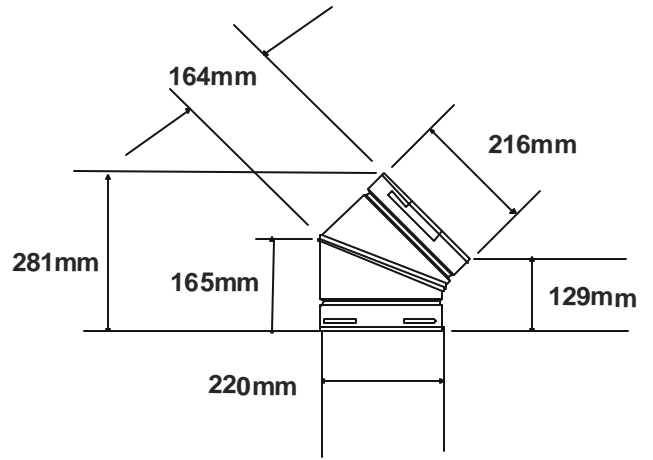
Model	FLUE		A	B	C	D	E
	TOP	REAR					
PIER-TRC-CE	1099	1023	1054	591	1143	759	
ST-TRC-CE	1069	1118	1054	591	1143	759	
L&R CORNER-TRC-CE	1099	1023	1054	591	1143	759	

NOTE: DIMENSIONS SHOWN IN MILLIMETERS.

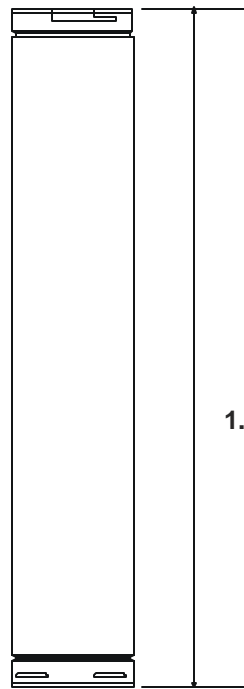
Figure 5. Framing Dimensions



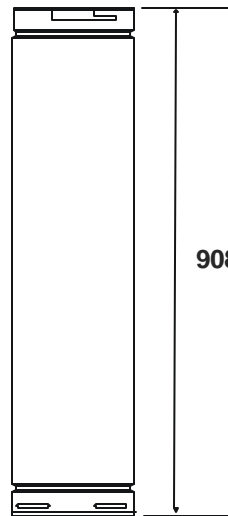
DV-90D



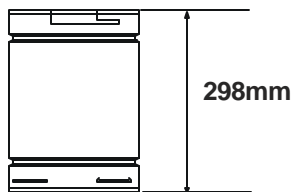
DV-45D



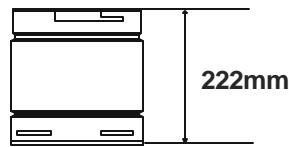
DV-48D



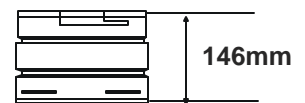
DV-36D



DV-12D



DV-09D



DV-06D

NOTE: PIPES OVERLAP 34.93mm AT EACH JOINT.

Figure 6. D-Series Direct Flue Component Specifications (127mm inner pipe / 219mm outer pipe)

Step 3. Installing the Flue System

A. Flue System Approvals

These models are approved to use D-series direct flue pipe components and terminations (see Figures 6 and 7). Approved flue system components are labeled for identification. This pipe is tested and listed as an approved component of the fireplace. The pipe is tested to be run inside an enclosed wall. There is no requirement for inspection openings at each joint within the wall. There is no required pitch for horizontal flue runs. **NO OTHER FLUEING SYSTEMS OR COMPONENTS MAY BE USED.**

Detailed installation instructions are included with each flue termination kit and should be used in conjunction with this *Installers Guide*.

The flame and ember appearance may vary based on the type of fuel burned and the flueing configuration used.

Identifying Flue Components

The flue systems installed on this gas fireplace may include one, two, or three 90° elbow assemblies. The relationships of vertical rise to horizontal run in flue configurations using 90° elbows **MUST BE** strictly adhered to. The rise to run relationships are shown in the flueing drawings and tables. Refer to the diagrams on the next several pages.

NOTE: Two 45° elbows may be used in place of one 90° elbow. Rise to run ratios in the flue system must be followed if 45° elbows are used.

This model has flue starting collars on both the top and the back of the unit. Depending upon the installation, decide which **ONE** set of starting collars will be used to attach the flue system. The starting collar sealing cap must remain on the starting collars **NOT** used.

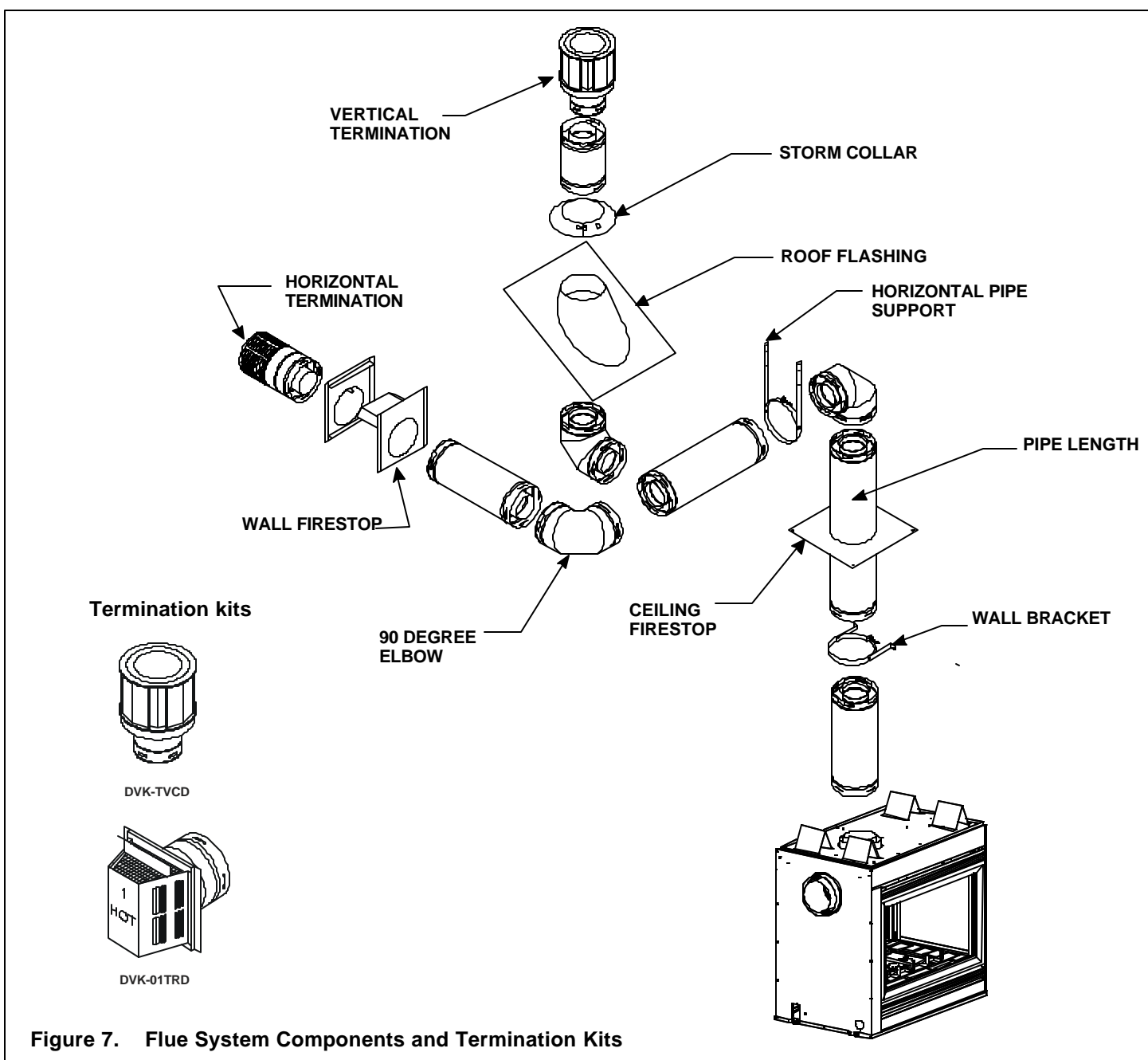
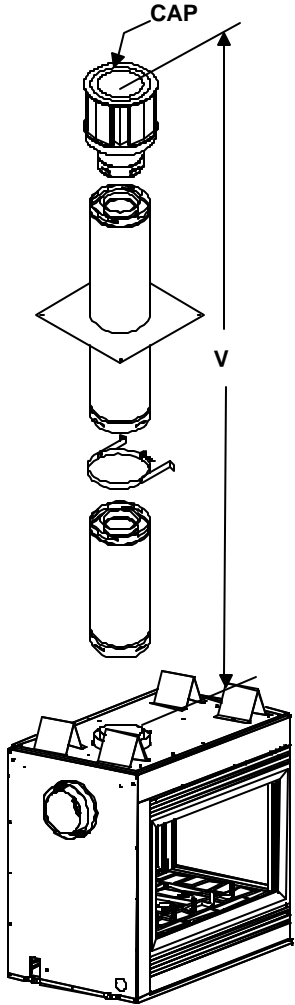


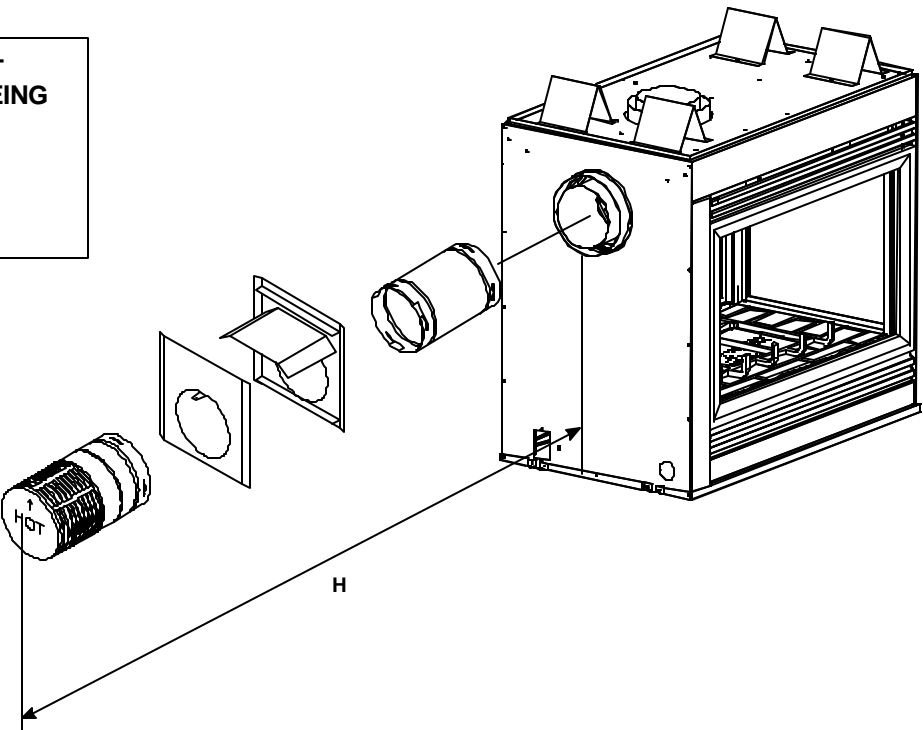
Figure 7. Flue System Components and Termination Kits

**STRAIGHT UP
VERTICAL FLUEING
V
MAX. RUN
12.2 m**



**Figure 8.
Straight Up Vertical Flueing**

**STRAIGHT OUT
HORIZONTAL FLUEING
H
MAX. RUN
610 mm**



**Figure 9.
Straight Out Horizontal Flueing**

FLUEING WITH ONE (1) 90° ELBOW

V	H
MIN. 305mm	MAX. 610mm
MIN. 610mm	MAX. 1.22m
MIN. 914mm	MAX. 1.86m
MIN. 1.22m	MAX. 2.4m

V+H = MAX. 11.3m
H = MAX. 2.4m

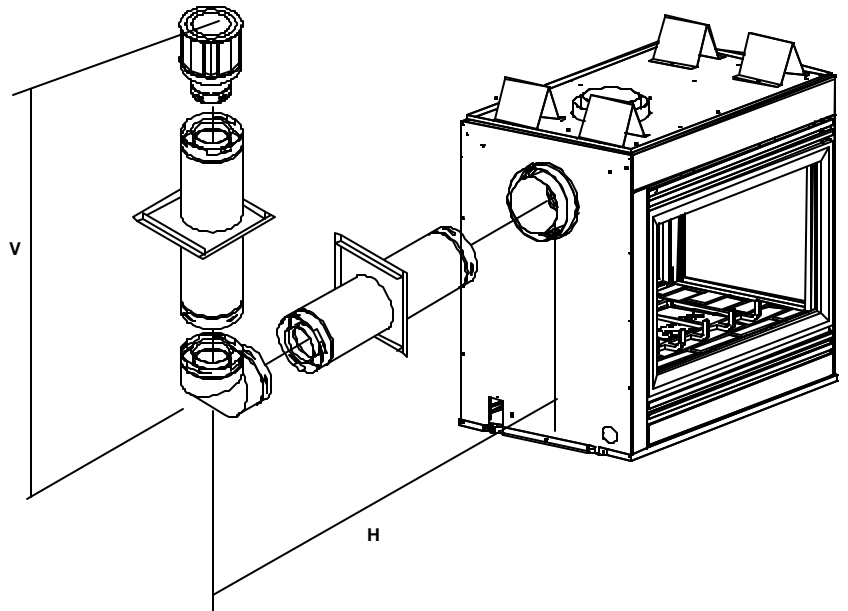


Figure 10. Flueing with One 90° Elbow

FLUEING WITH ONE (1) 90° ELBOW

V	H
MIN. 305mm	MAX. 914mm
MIN. 610mm	MAX. 1.86m
MIN. 914mm	MAX. 2.7m
MIN. 1.22m	MAX. 3.6m
MIN. 1.5m	MAX. 4.5m
MIN. 1.86m	MAX. 5.1m
	MAX. 5.1m

V + H = MAX. 11.3m

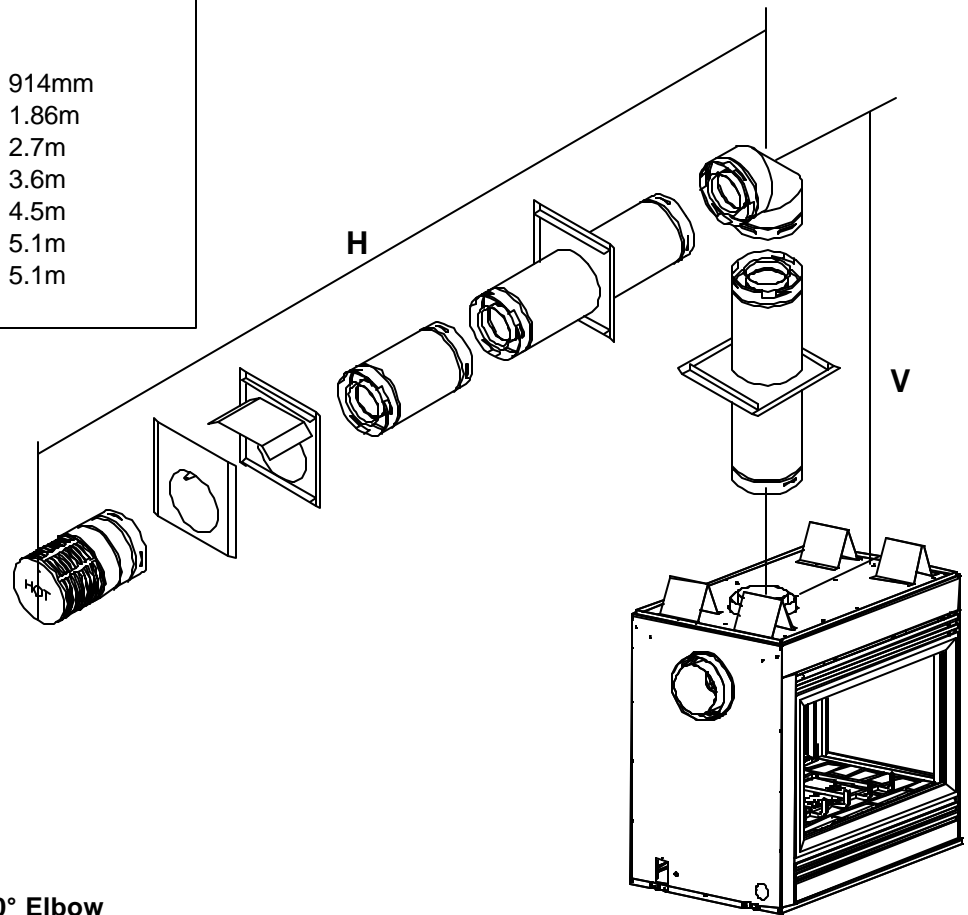
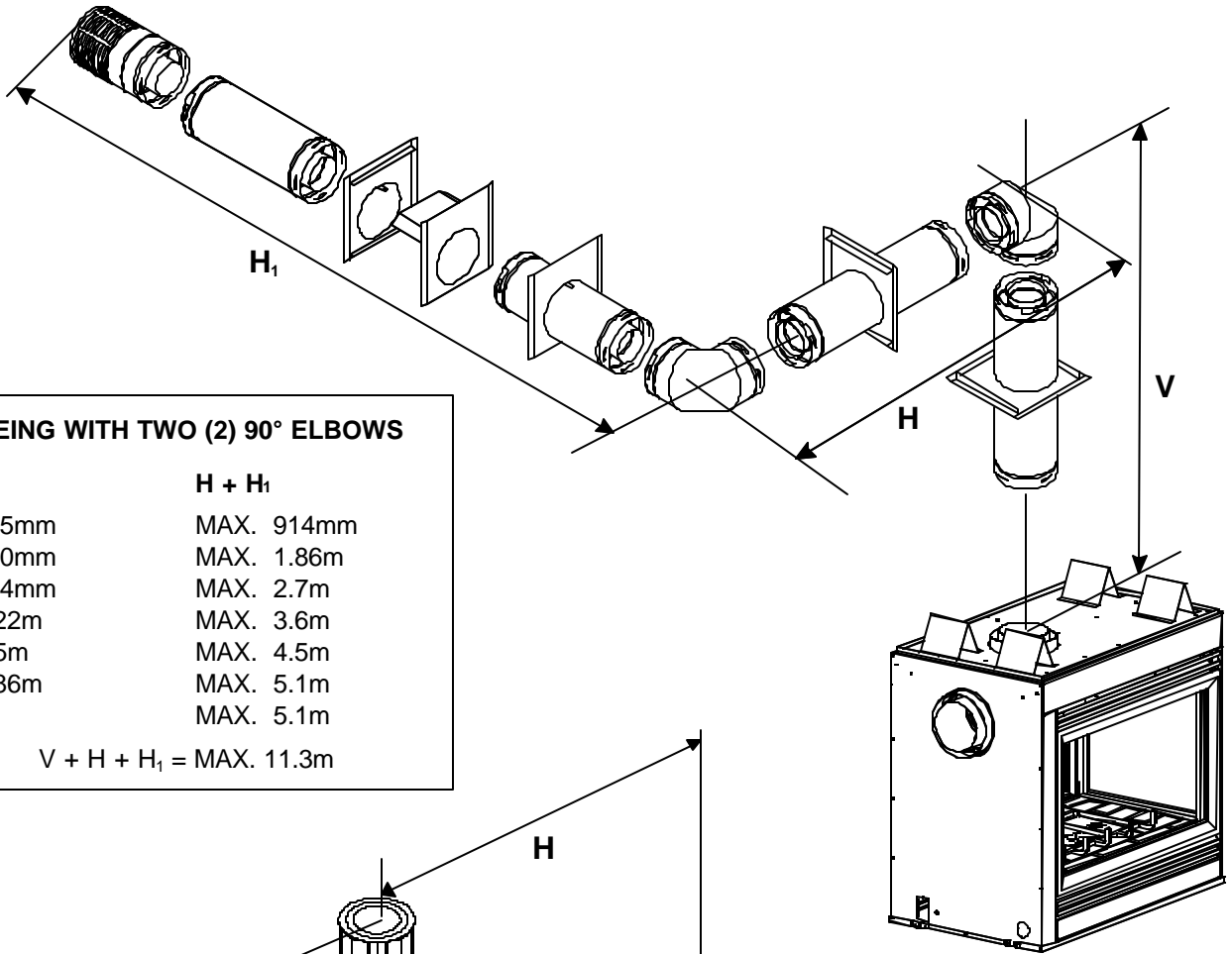
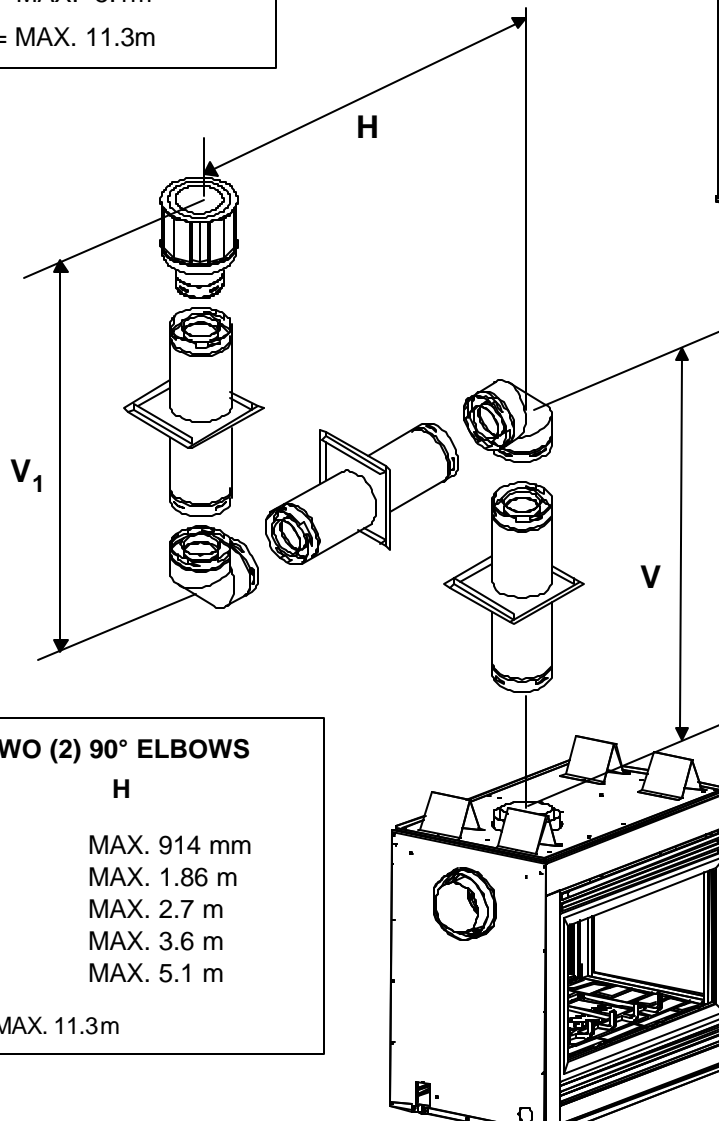


Figure 11. Flueing with One 90° Elbow



FLUEING WITH TWO (2) 90° ELBOWS

V	H + H ₁
MIN. 305mm	MAX. 914mm
MIN. 610mm	MAX. 1.86m
MIN. 914mm	MAX. 2.7m
MIN. 1.22m	MAX. 3.6m
MIN. 1.5m	MAX. 4.5m
MIN. 1.86m	MAX. 5.1m
V + H + H ₁ = MAX. 11.3m	



FLUEING WITH TWO (2) 90° ELBOWS

V	H
MIN. 305 mm	MAX. 914 mm
MIN. 610 mm	MAX. 1.86 m
MIN. 914 mm	MAX. 2.7 m
MIN. 1.22 m	MAX. 3.6 m
	MAX. 5.1 m
V + V ₁ + H = MAX. 11.3m	

Figure 12. Flueing with Two 90° Elbows

FLUEING WITH TWO (2) 90° ELBOWS

V	H	H + H ₁
MIN. 305 mm	MAX. 610 mm	MAX. 914 mm
MIN. 610 mm	MAX. 1.22 m	MAX. 1.86 m
MIN. 914 mm	MAX. 1.86 m	MAX. 2.7 m
MIN. 1.22 m	MAX. 2.48 m	MAX. 3.6 m
	MAX. 2.48 m	MAX. 5.1 m
V + H + H ₁ = MAX. 11.3m		

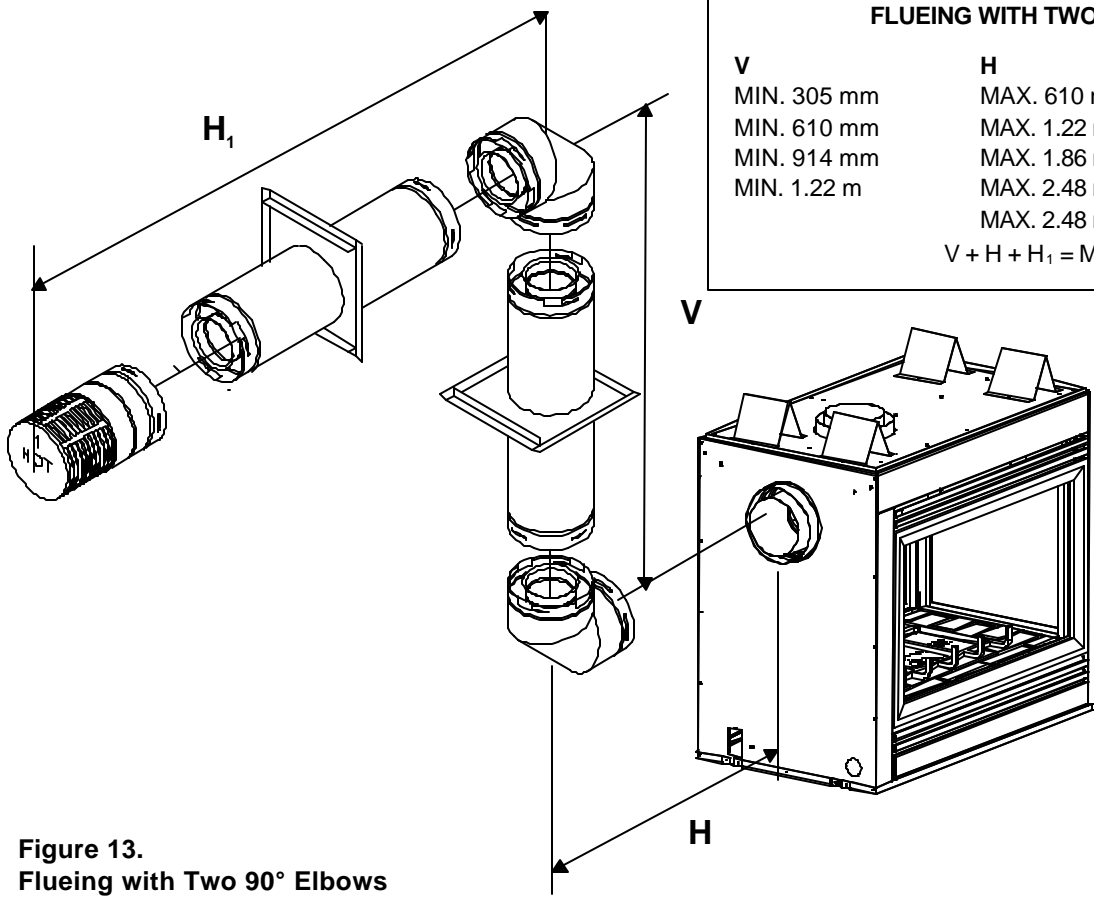


Figure 13.
Flueing with Two 90° Elbows

FLUEING WITH TWO (2) 90° ELBOWS

V	H + H ₁
MIN. 305mm	MAX. 610mm
MIN. 610mm	MAX. 1.22m
MIN. 914mm	MAX. 1.86m
MIN. 1.22m	MAX. 2.4m
	MAX. 2.4m
V + H + H ₁ = MAX. 11.3m	

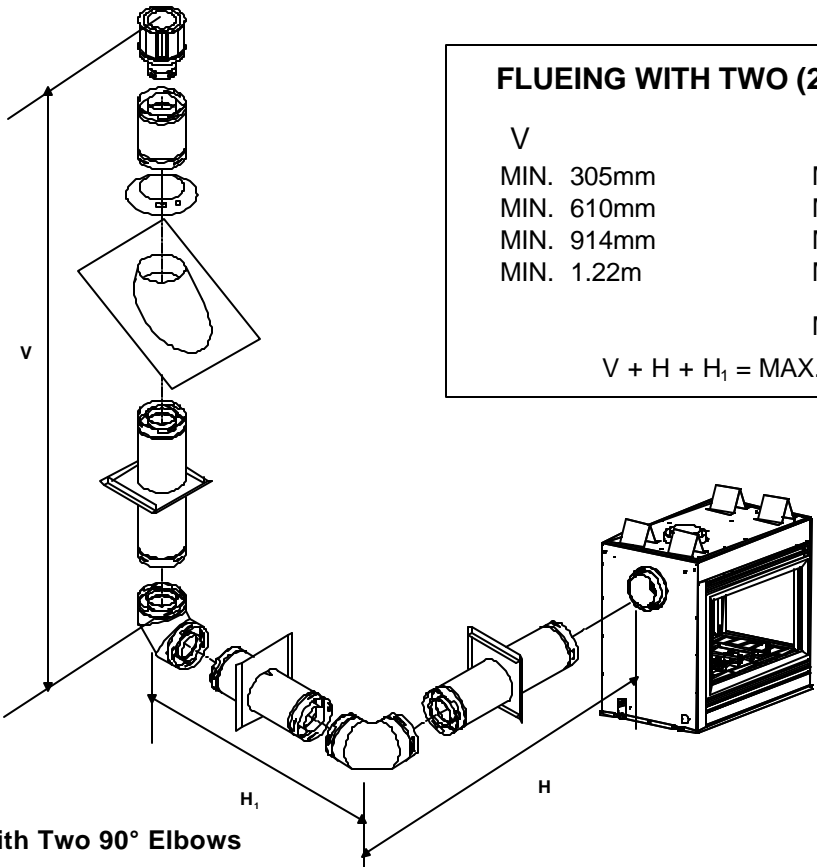
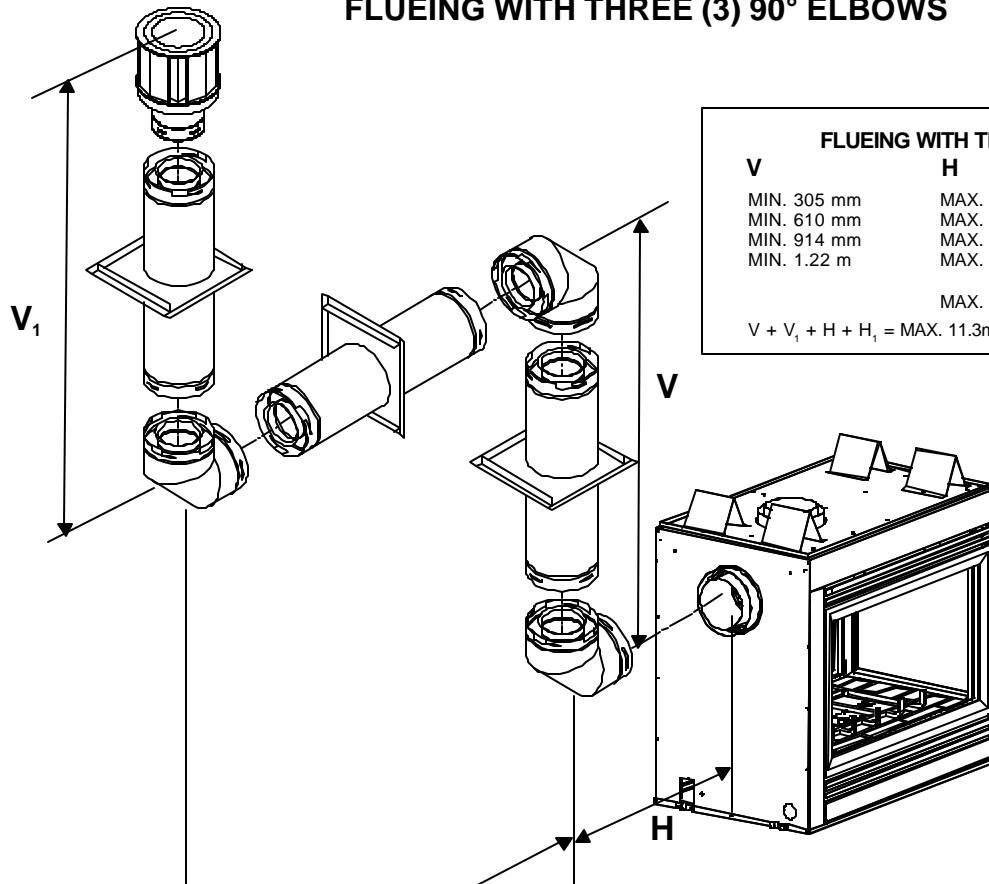


Figure 14. Flueing with Two 90° Elbows

FLUEING WITH THREE (3) 90° ELBOWS



FLUEING WITH THREE (3) 90° ELBOWS		
V	H	H + H ₁
MIN. 305 mm	MAX. 610 mm	MAX. 914 mm
MIN. 610 mm	MAX. 1.22 m	MAX. 1.86 m
MIN. 914 mm	MAX. 1.86 m	MAX. 2.7 m
MIN. 1.22 m	MAX. 2.48 m	MAX. 3.6 m
	MAX. 2.48 m	MAX. 5.1 m
V + V ₁ + H + H ₁ = MAX. 11.3m		

FLUEING WITH THREE (3) 90° ELBOWS		
V	H	H + H ₁ + H ₂
MIN. 305 mm	MAX. 610 mm	MAX. 914 mm
MIN. 610 mm	MAX. 1.22 m	MAX. 1.86 m
MIN. 914 mm	MAX. 1.86 m	MAX. 2.7 m
MIN. 1.22 m	MAX. 2.48 m	MAX. 4.5 m
	MAX. 2.48 m	MAX. 5.1 m
V + H + H ₁ + H ₂ = MAX. 11.3m		

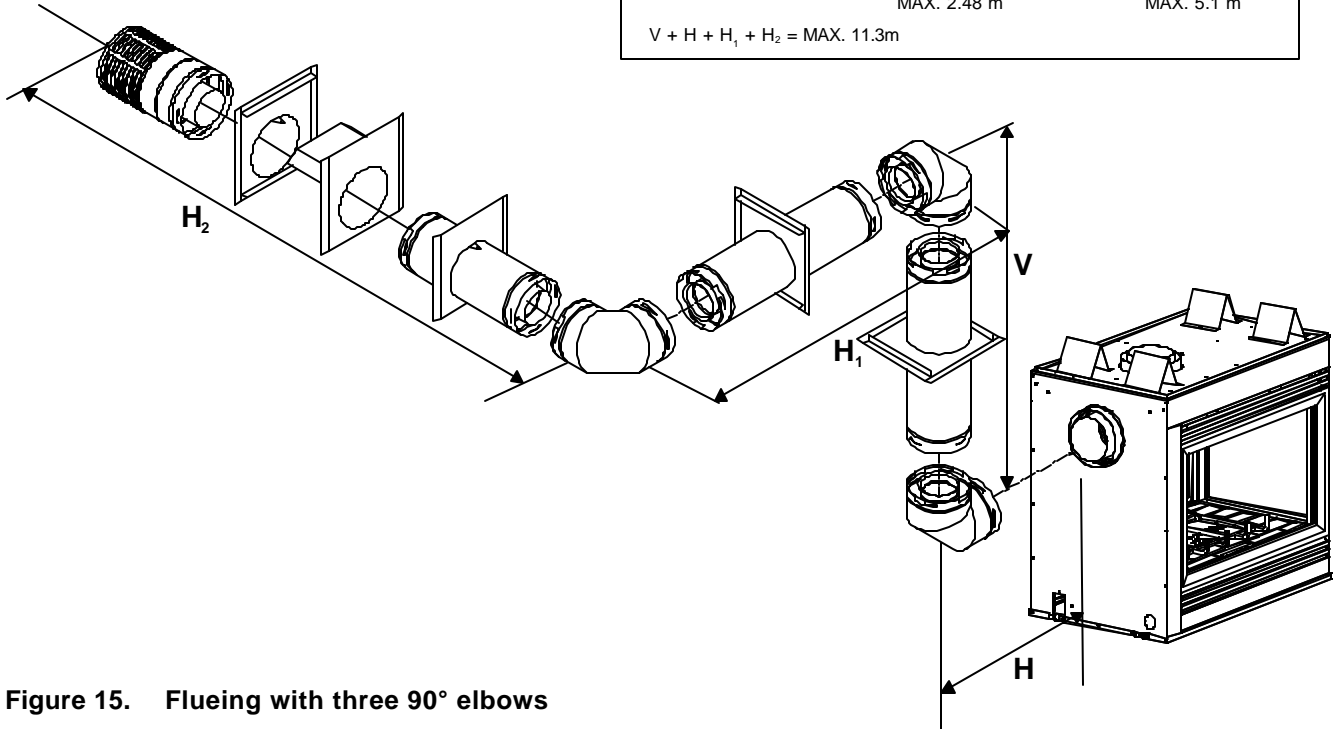


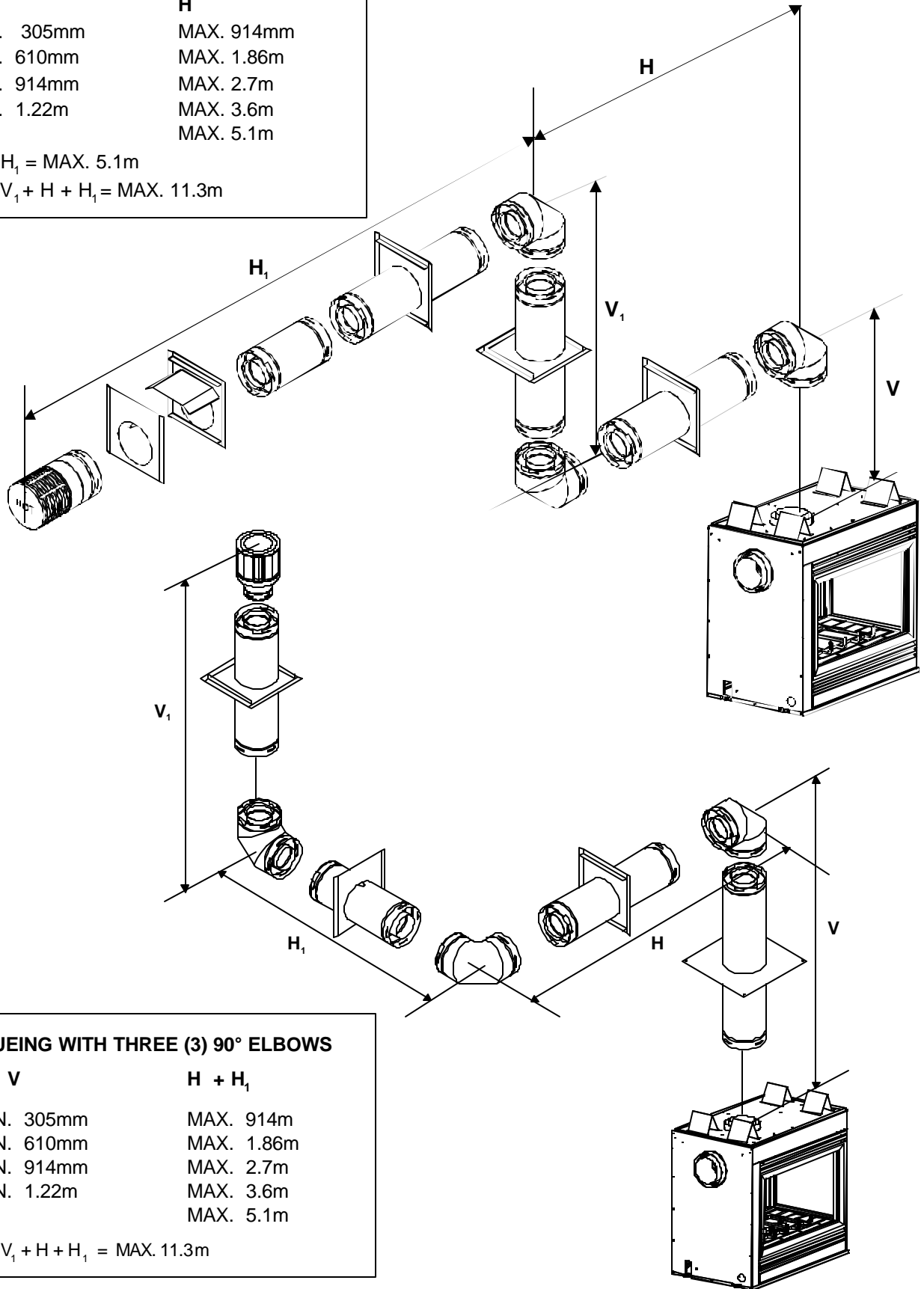
Figure 15. Flueing with three 90° elbows

FLUEING WITH THREE (3) 90° ELBOWS

V	H
MIN. 305mm	MAX. 914mm
MIN. 610mm	MAX. 1.86m
MIN. 914mm	MAX. 2.7m
MIN. 1.22m	MAX. 3.6m
	MAX. 5.1m

$H + H_1 = \text{MAX. } 5.1\text{m}$

$V + V_1 + H + H_1 = \text{MAX. } 11.3\text{m}$



FLUEING WITH THREE (3) 90° ELBOWS

V	H + H₁
MIN. 305mm	MAX. 914mm
MIN. 610mm	MAX. 1.86m
MIN. 914mm	MAX. 2.7m
MIN. 1.22m	MAX. 3.6m
	MAX. 5.1m

$V + V_1 + H + H_1 = \text{MAX. } 11.3\text{m}$

Figure 16. Flueing with three 90° elbows

B. Installing Flue Components

After determining which set of starting collars will be used (top or rear), follow flueing instructions accordingly.

Flueing Out the Rear Flue

Remove the installed rear seal cap from the rear starting collars by removing screws (see Figure 17). Follow the flue configuration tables accordingly.

Remove the insulation from the **REAR** five inch flue, pull the heat shield out from outside of the firebox.

WARNING: THE TOP HEAT SHIELD (INSIDE THE FIREBOX) MUST REMAIN ATTACHED IF THE FLUE SYSTEM IS ATTACHED TO THE REAR STARTING COLLARS. SEE FIGURE 17.

Flueing Out the Top Flue

Remove the screws in the top flue collar seal cap and remove the top flue collar seal cap and insulation inside the top starting collar (See Figure 17).

Remove the heat shield from inside the **TOP** 127mm flue from outside of the firebox.

The glass must be taken off again for positioning the logs when the unit is finally installed in place and finished around it. Re-install the glass door. Attach flue system to the top starting collars.

WARNING: THE REAR FLUE COLLAR SEAL CAP MUST REMAIN ATTACHED TO THE REAR FLUE COLLARS IF THE FLUE SYSTEM IS ATTACHED TO THE TOP STARTING COLLARS.

WARNING: FAILURE TO REMOVE INSULATION IN THE SET OF COLLARS YOU ARE USING COULD CAUSE A FIRE.

WARNING: YOU MUST LEAVE THE INSULATION IN PLACE IN THE SET OF COLLARS YOU ARE NOT USING.

If your vertical flueing component is over 3.1m, you may want to install the vertical baffle (located in the bag containing the install manual) to improve flame appearance. Center the vertical baffle on the 127mm flue being used, and with self tapping screws secure the baffle to the inside of the firebox.

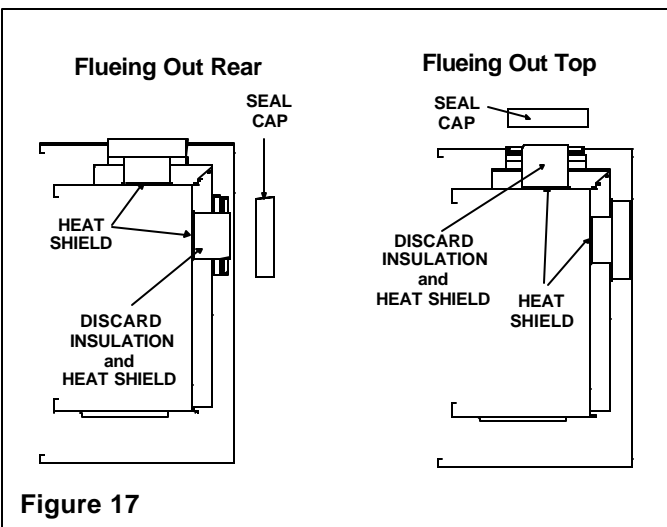


Figure 17

1. Attach the First Flue Component to the Starting Collars

To attach the first flue component to the starting collars of the fireplace:

- Apply a 9.5mm bead of stove cement around the 127mm fireplace starting collar.
- Make sure that the fireplace rope gasket supplied with the fireplace seals between the first 219mm flue component and the outer fireplace wrap.
- Lock the flue components into place by sliding the concentric pipe sections with four (4) equally spaced interior beads into the fireplace collar or previously installed component end with four (4) equally spaced indented sections.
- When the internal beads of each 219mm outer pipe line up, rotate the pipe section clockwise about one-quarter (1/4) turn. The flue pipe is now locked together.

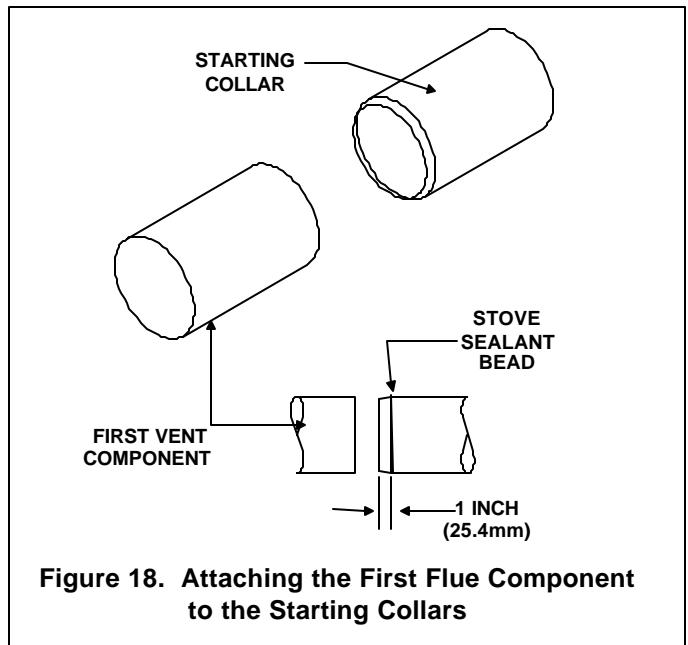


Figure 18. Attaching the First Flue Component to the Starting Collars

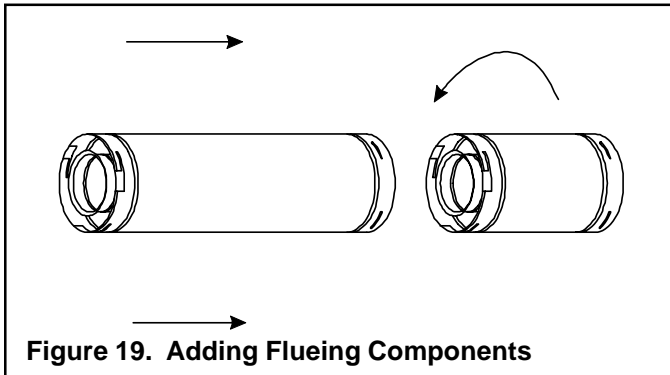
WARNING: A 9.5 MM BEAD OF STOVE CEMENT MUST BE PLACED AROUND THE 127 MM FIREPLACE STARTING COLLAR BEFORE ATTACHING THE FIRST FLUE COMPONENT. FAILURE TO SEAL THIS JOINT MAY CAUSE THE FIREPLACE TO OPERATE IMPROPERLY. SEE THE DIAGRAM .

WARNING: ENSURE THAT THE FIBERGLASS ROPE GASKET SUPPLIED WITH THE FIREPLACE SEALS BETWEEN THE FIRST FLUE COMPONENT AND THE OUTER FIREPLACE WRAP.

If the installation is for a termination cap attached directly to the fireplace, skip to the sections, **Install Firestops and Flue Termination.**

2. Continue Adding Flue Components

- Continue adding flue components, locking each succeeding component into place.
- Ensure that each succeeding flue component is securely fitted and locked into the preceding component in the flue system.
- 90° elbows may be installed and rotated to any point around the preceding component's vertical axis. If an elbow does not end up in a locked position with the preceding component, attach with a minimum of two (2) sheet metal screws.



3. Install Support Brackets

For Horizontal Runs - The flue system must be supported every 1.5m of horizontal run by a horizontal pipe support.

To install support brackets for horizontal runs:

- Place the pipe supports around the flue pipe.
- Nail the pipe supports to the framing members.

For Vertical Runs - The flue system must be supported every 2.4m above the fireplace flue outlet by wall brackets.

To install support brackets for vertical runs:

- Attach wall brackets to the flue pipe and secure the wall bracket to the framing members with nails or screws.

4. Seal all outer pipe joints with RTV compound.

5. Install Firestops

For Horizontal Runs - Firestops are **REQUIRED** on both sides of a combustible wall through which the flue passes.

NOTE: Model DVK-01TRD does not need an exterior firestop on an exterior combustible wall. The firestop is built into the cap.

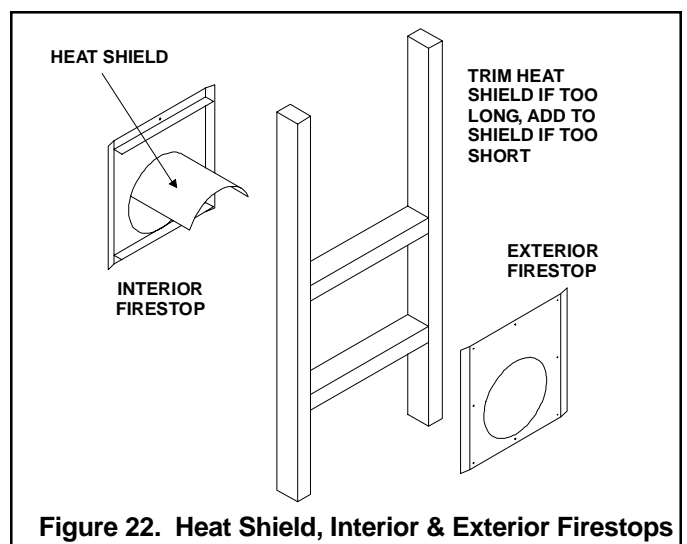
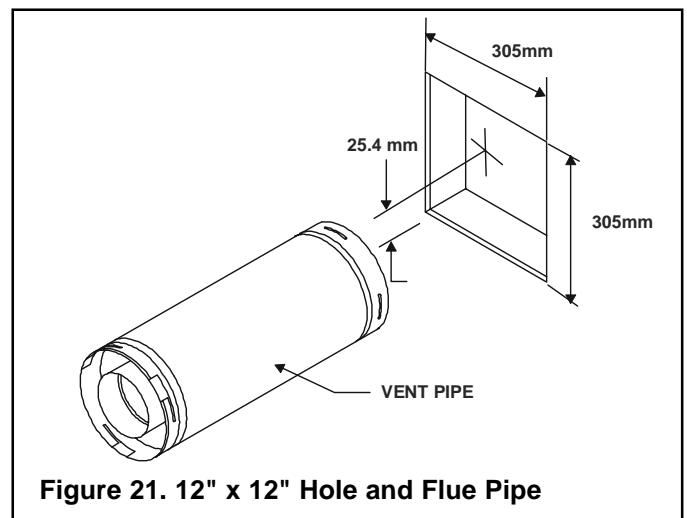
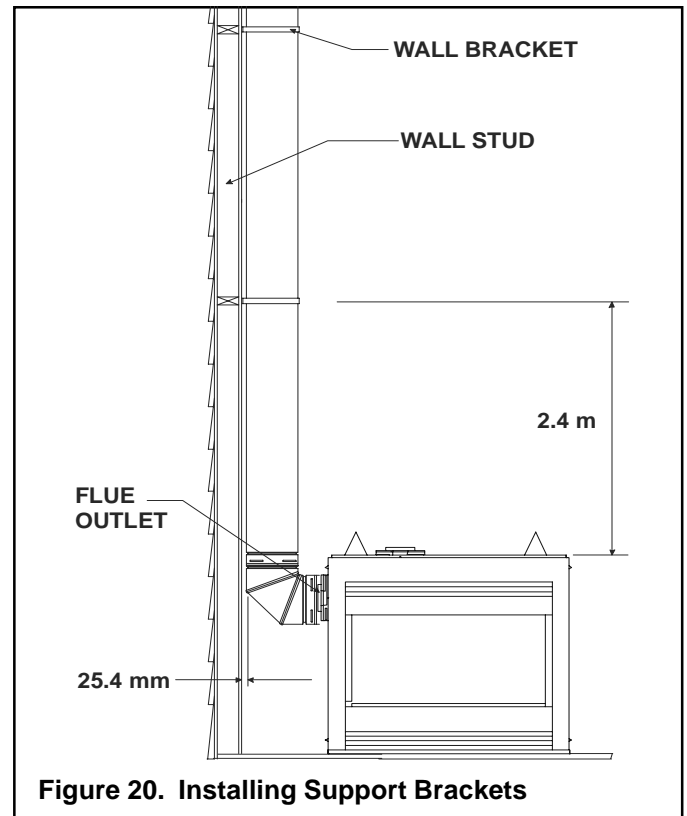
To install firestops for horizontal runs that pass through either interior or exterior walls:

- Cut a 305mm x 305mm hole through the wall.

NOTE: The center of the hole is 25.4mm above the center of the horizontal flue pipe.

- Position the firestops on both sides of the hole previously cut and secure the firestops with nails or screws.
- The heat shields of the firestops **MUST BE** placed towards the top of the hole.
- Continue the flue run through the firestops.

NOTE: There must be NO INSULATION or other combustibles inside the framed firestop opening.



For Vertical Runs - One ceiling firestop is **REQUIRED** at the hole in each ceiling through which the flue passes.

To install firestops for vertical runs that pass through ceilings:

- Position a plumb bob directly over the center of the vertical flue component.
- Mark the ceiling to establish the centerpoint of the flue.
- Drill a hole or drive a nail through this centerpoint.
- Check the floor above for any obstructions, such as wiring or plumbing runs.
- Reposition the fireplace and flue system, if necessary, to accommodate the ceiling joists and/or obstructions.
- Cut an 280mm x 280mm hole through the ceiling, using the centerpoint previously marked.
- Frame the hole with framing lumber the same size as the ceiling joists.

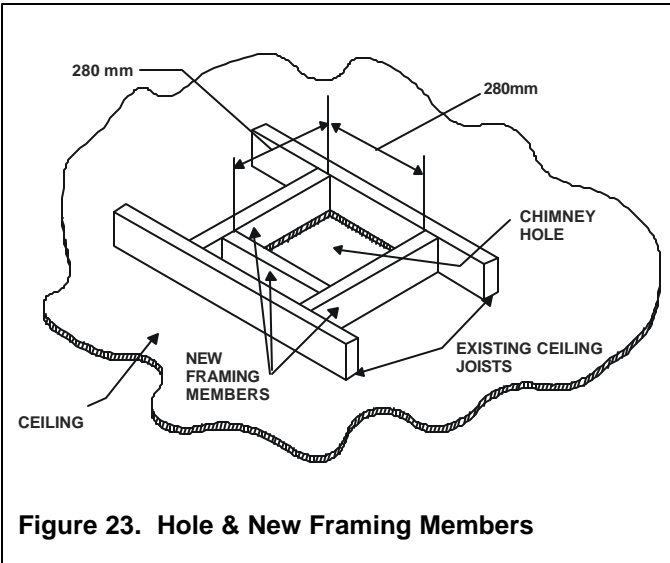


Figure 23. Hole & New Framing Members

If the area above the ceiling is **NOT** an attic, position and secure the ceiling firestop on the ceiling side of the previously cut and framed hole.

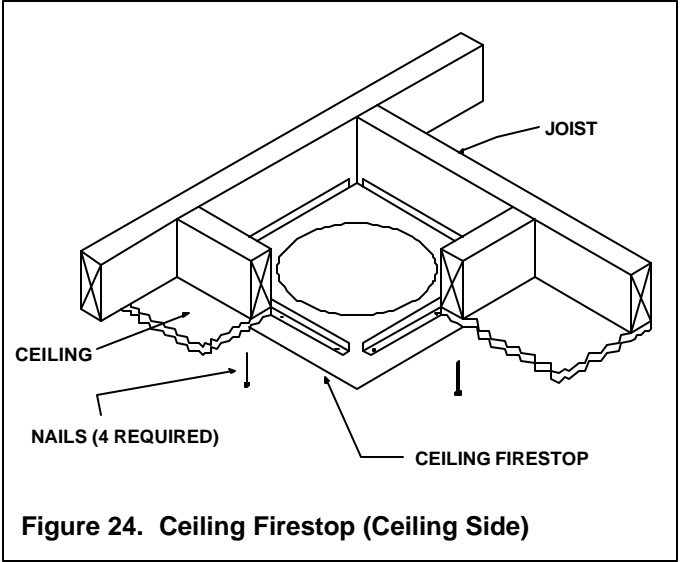


Figure 24. Ceiling Firestop (Ceiling Side)

If the area above the ceiling **IS** an attic, position and secure the firestop on top of the previously framed hole.

NOTE: Keep insulation away from the flue pipe at least 26mm.

NOTE: There must be NO INSULATION or other combustibles inside the framed firestop opening.

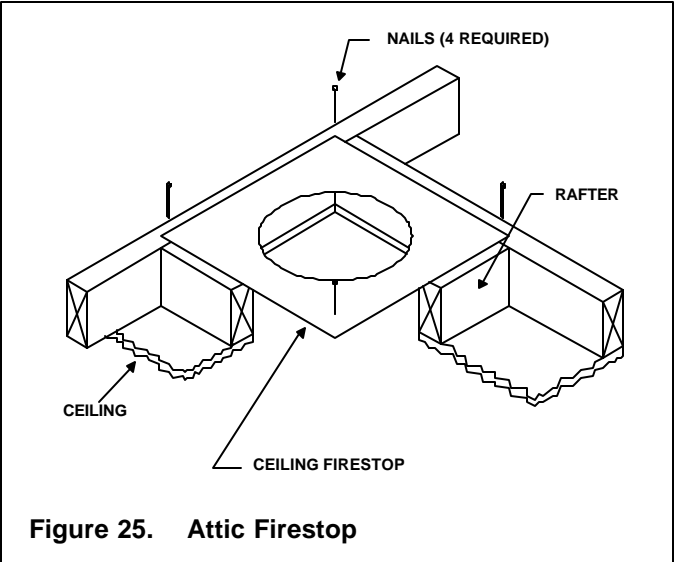


Figure 25. Attic Firestop

C. Flue Termination

For Horizontal Terminations - To attach and secure the termination to the last section of horizontal flue:

- Rotate and interlock the ends as described at the beginning of the Installing Flue Components section.
- 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.



WARNING: THE TERMINATION CAP MUST BE POSITIONED SO THAT THE ARROW IS POINTING UP.

For roundcap termination kits:

- Use the exterior pipelock hole on the round flange of the wall firestop to secure the flue pipe in place.

For trapezoidal cap termination kits:

- Using screws secure the cap to the exterior wall through the flanges in the cap.



WARNING: THE BOTTOM OF THE FLUE TERMINATION CAP MUST BE A MINIMUM OF 305 MM ABOVE GROUND LEVEL (GRADE). THE TOP OF THE CAP MUST BE A MINIMUM OF 690MM BELOW COMBUSTIBLE MATERIAL, SUCH AS A DECK. THE SIDE OF THE CAP MUST BE A MINIMUM OF 152 MM AWAY FROM A PARALLEL OUTSIDE WALL. FLUEING TERMINALS SHALL NOT BE RECESSED INTO A WALL OR SIDING. SEE THE FLUE TERMINATION DIAGRAM FOR FLUE TERMINATION CLEARANCES.

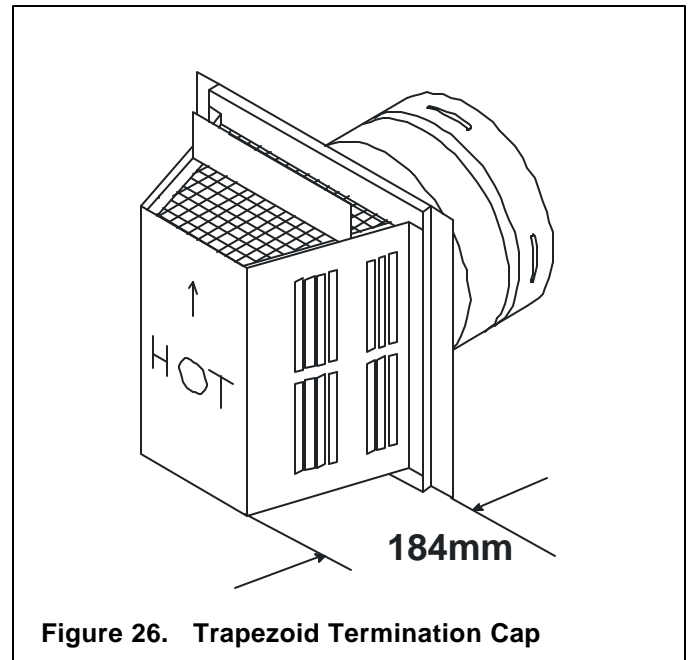


Figure 26. Trapezoid Termination Cap

For Vertical Terminations - To locate the flue and install the flue sections:

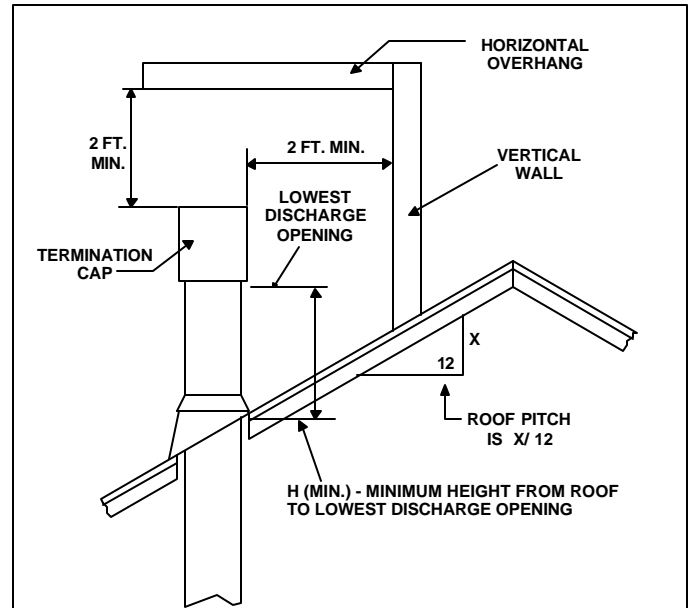
- Locate and mark the flue centerpoint on the underside of the roof, and drive a nail through the centerpoint.
- Make the outline of the roof hole around the centerpoint nail.
- The size of the roof hole framing dimensions depend on the pitch of the roof. There **MUST BE** a 25.4mm clearance from the vertical flue pipe to combustible materials.
- Mark the roof hole accordingly.
- Cover the opening of the installed flue pipes.
- 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.
- Continue to install concentric flue sections up through the roof hole (for inside flue installations) or up past the roof line until you reach the appropriate distance above the roof (for outside terminations).

WARNING: FOLLOW NATIONAL REGULATIONS AND CODES OF PRACTICE FOR MINIMUM CLEARANCES FROM GAS TERMINALS, AND PLACEMENT OF GAS TERMINAL.

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

To seal the roof hole, and to divert rain and snow from the flue system:

- Attach a flashing to the roof using nails, and use a non-hardening mastic around the edges of the flashing base where it meets the roof.
- Attach a storm collar over the flashing joint to form a water-tight seal. Place non-hardening mastic around the joint, between the storm collar and the vertical pipe.
- Slide the termination cap over the end of the flue pipe and rotate the pipe clockwise 1/4 turn.

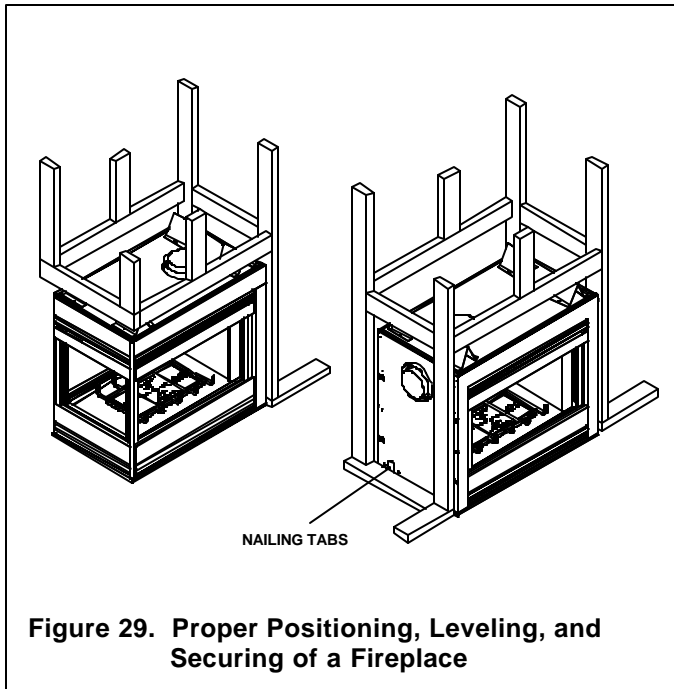


Roof Pitch	H (min.) cm
flat to 6/12	30.5
6/12 to 7/12	38
over 7/12 to 8/12	45.7
over 8/12 to 9/12	61
over 9/12 to 10/12	76.2
over 10/12 to 11/12	99
over 11/12 to 12/12	122
over 12/12 to 14/12	152.4
over 14/12 to 16/12	183
over 16/12 to 18/12	213.4
over 18/12 to 20/12	228.6
over 20/12 to 21/12	243.8

Figure 27. Minimum Height from Roof to Lowest Discharge Opening

Step 4. Positioning, Leveling, and Securing the Fireplace

The diagram below shows how to properly position, level, and secure the fireplace.



- Place the fireplace into position.
- Level the fireplace from side to side and from front to back.
- Shim the fireplace with non-combustible material, such as sheet metal, as necessary.
- Secure the fireplace to the framing by nailing or screwing.

Step 5. The Gas Control System



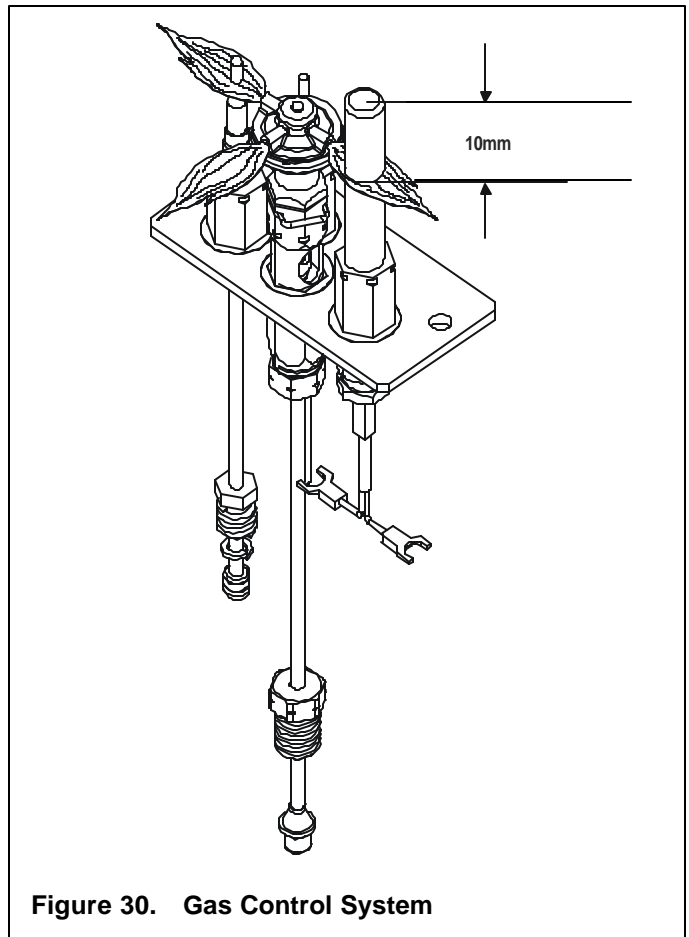
WARNING: THIS UNIT IS NOT FOR USE WITH SOLID FUEL.

Standing Pilot Ignition System

This system includes millivolt control valve, standing pilot, thermopile/thermocouple flame sensor, and piezo ignitor.



WARNING: 230 VAC MUST NEVER BE CONNECTED TO A CONTROL VALVE IN A MILLI-VOLT SYSTEM.



Step 6. The Gas Supply Line

NOTE: Have the gas supply line installed by a qualified service technician in accordance with all building regulations.

NOTE: Before the first firing of the fireplace, the gas supply line should be purged of any trapped air.

NOTE: Consult local building regulations to properly size the gas supply line leading to the (Rp 1/2") hook-up at the unit.

This gas fireplace is designed to accept a ISO 7-Rp 1/2 (BSP Rp 1/2).

To install the gas supply line:

- Locate the gas line access hole in the outer casing of the fireplace.
- The gas line may be run from either side of the fireplace provided the hole in the outer wrap does not exceed 52mm in diameter and it does not penetrate the actual firebox.
- Open the fireplace lower grille, insert the gas supply line through the gas line hole, and connect it to the shut-off valve.
- When attaching the pipe, support the control so that the lines are not bent or torn.
- After the gas line installation is complete, use a soap solution to carefully check all gas connections for leaks.



WARNING: DO NOT USE AN OPEN FLAME TO CHECK FOR GAS LEAKS.

- Insert insulation from the outside of the fireplace and pack the insulation tightly to totally seal between the pipe and the outer casing.
- At the gas line access hole the gap between the supply piping and gas access hole can be plugged with non-combustible insulation to prevent cold air infiltration.

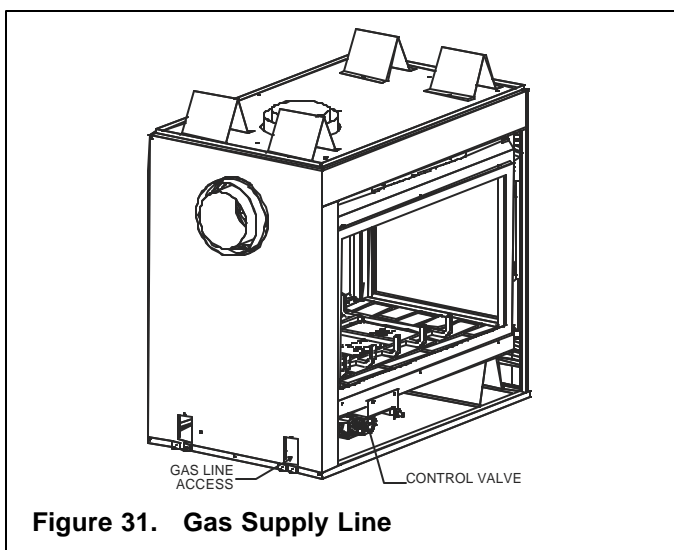


Figure 31. Gas Supply Line

Step 7. Gas Pressure Requirements

Pressure requirements for Heat-N-Glo gas fireplaces are shown in the table below.

	Natural Gas (G20)	Propane (G31)	Natural Gas (G25)
Inlet Pressure	20mbar	37 or 50mbar	25mbar
Manifold Pressure	4-8.7mbar	15.7-25mbar	4-8.7mbar
Gas Rate	1.091 m3/h	.379 m3/h	1.045 m3/h
Max. Input (NETCV)	10.6 kW	9.5 kW	8.8 kW
Burner Injector	DMS 31	DMS 50	DMS 31
Pilot Injector	51	30	51

A tap is provided on the outlet side of the gas control for a test gauge connection to measure the manifold pressure. To measure inlet pressure, provisions must be made to attach a test gauge to the tap immediately upstream of the gas supply connection to the stove.

The stove and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of the system at test pressures in excess of 60 mbar.

If the stove must be isolated from the gas supply piping system by closing an individual shut-off valve, it must be of the handle-less type.

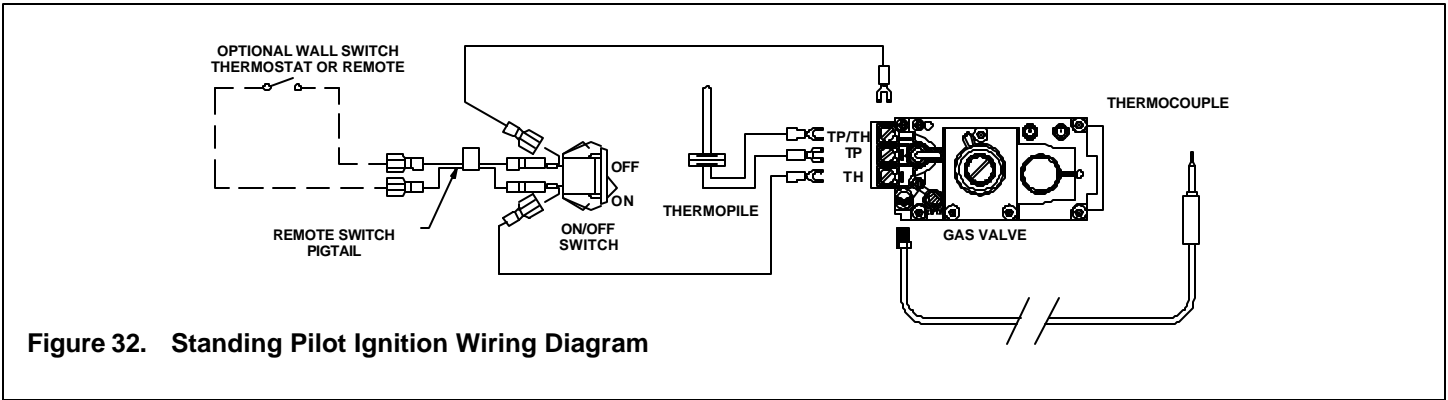


Figure 32. Standing Pilot Ignition Wiring Diagram

Step 8. Wiring the Fireplace

NOTE: Electrical wiring must be installed by a competent electrician.

For Standing Pilot Ignition Wiring

Appliance Requirements

- This appliance **DOES NOT** require 230 VAC to operate.

WARNING: DO NOT CONNECT 230 VAC TO THE REMOTE WALL SWITCH OR THE CONTROL VALVE WILL BE DESTROYED.

Optional Accessories

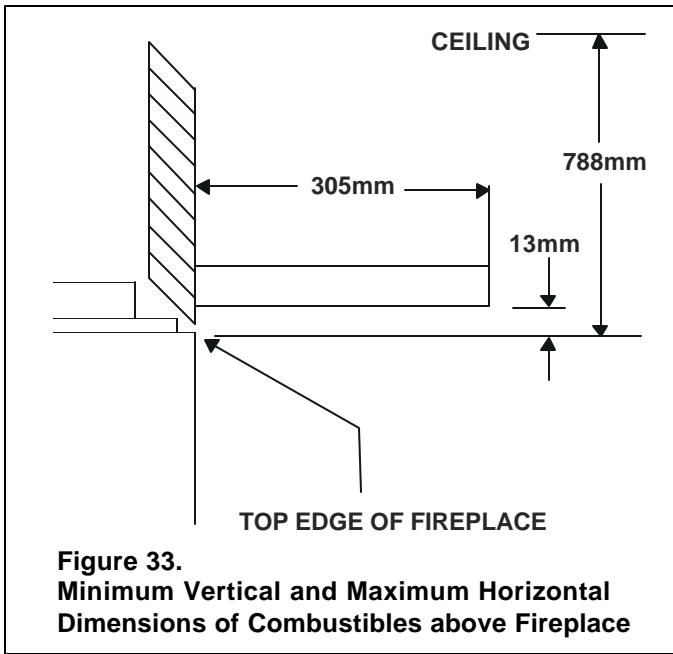
Optional fan and remote control kits require that 230 VAC be wired to the factory installed junction box before the stove is permanently installed.

Remote Wall Switch

Position the remote wall switch in the desired position on a wall. Run a maximum of 7.8 m or less length of 1.02 mm diameter minimum wire and connect it to the stove ON/OFF switch pigtails.

CAUTION: LABEL ALL WIRES PRIOR TO DISCONNECTION WHEN SERVICING CONTROLS. WIRING ERRORS CAN CAUSE IMPROPER AND DANGEROUS OPERATION. VERIFY PROPER OPERATION AFTER SERVICING.

WARNING: WHEN FINISHING THE STOVE, NEVER OBSTRUCT OR MODIFY THE AIR INLET/OUTLET GRILLES IN ANY MANNER.



REQUIRED TO BE SEALED. ONLY NON-COMBUSTIBLE MATERIAL (USING 150° C. MINIMUM ADHESIVE, IF NEEDED) CAN BE APPLIED AS FACING TO THE FIREPLACE SURROUND. SEE THE DIAGRAM BELOW.

NOTE: Sheetrock or other combustible material such as wood can be placed on the top edge of the fireplace. A 13mm gap along the side must be maintained.

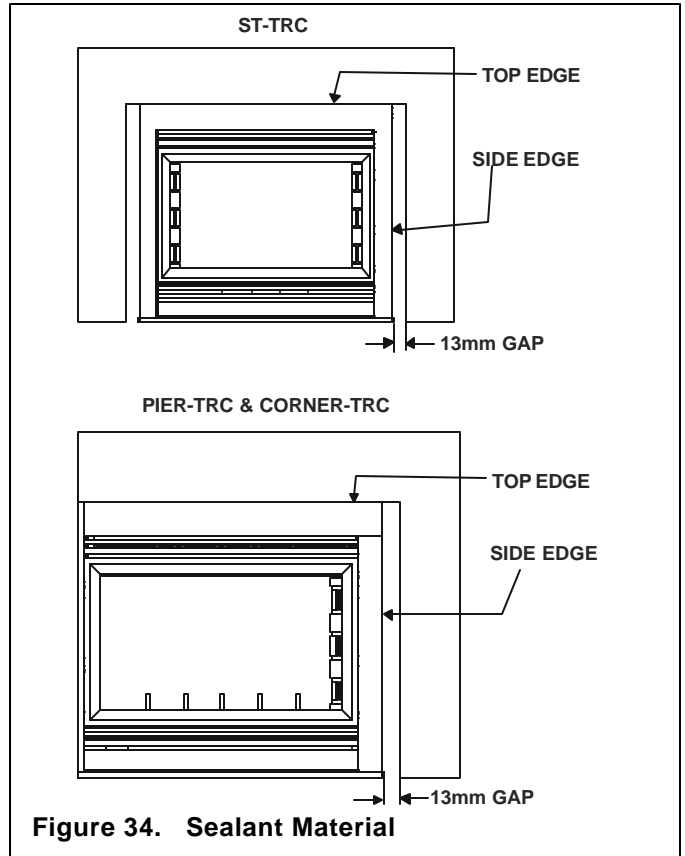
Step 9. Finishing

Figure 33 shows the minimum vertical and corresponding maximum horizontal dimensions of fireplace mantels or other combustible projections above the top front edge of the fireplace. See Figures 4 and 5 for other fireplace clearances. Only non-combustible materials may be used to cover the black fireplace front.

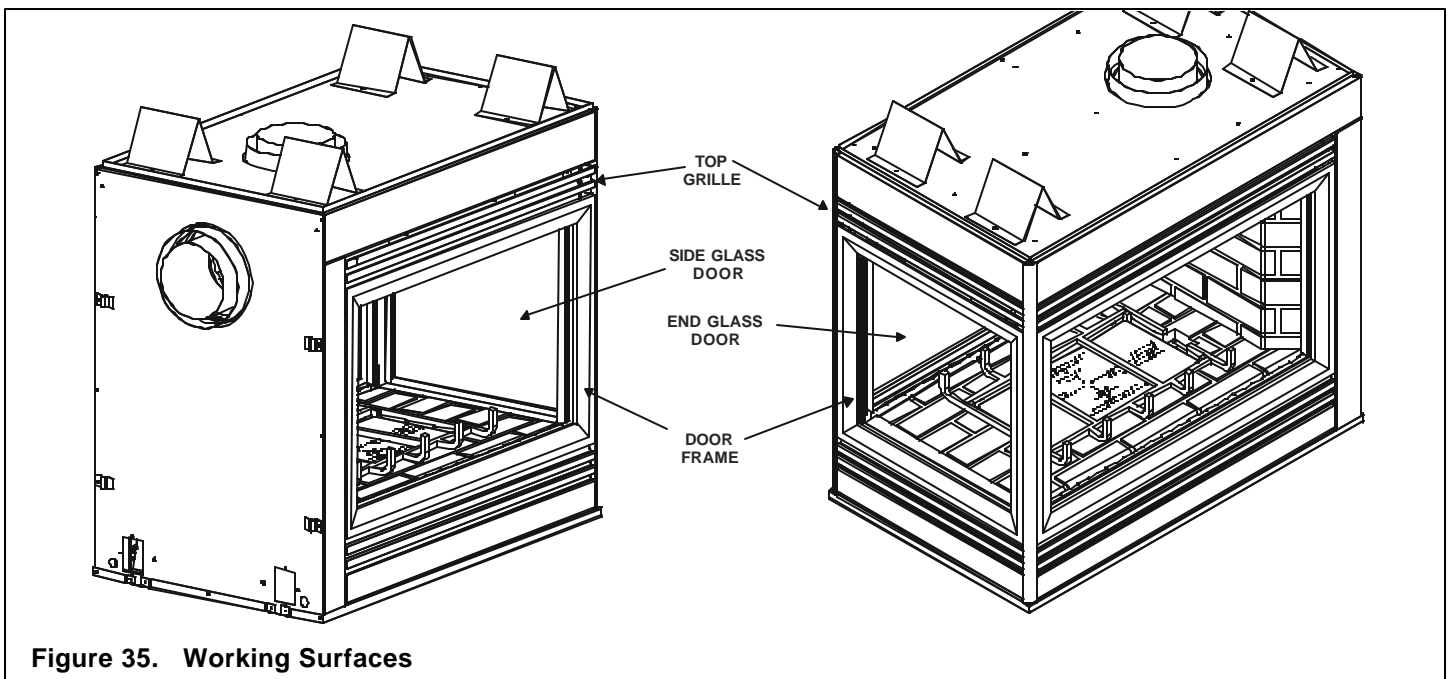


WARNING: WHEN FINISHING THE FIREPLACE, NEVER OBSTRUCT OR MODIFY THE AIR INLET/OUTLET GRILLES IN ANY MANNER.

CAUTION: IF JOINTS BETWEEN THE FINISHED WALLS AND THE FIREPLACE SURROUND (TOP AND SIDES) ARE SEALED, A 150°C. MINIMUM SEALANT MATERIAL MUST BE USED. THESE JOINTS ARE NOT RE-



The following areas are considered to be working surfaces (see Figure 35).



Step 10. Installing Trim, Logs & Ember Material

Installing the Trim

Combustible materials may be brought up to the specified clearances on the side and top front edges of the fireplace, but **MUST NEVER** overlap onto the front face. The joints between the finished wall and the fireplace top and sides can only be sealed with a 150° C minimum sealant.



WARNING: WHEN FINISHING THE FIREPLACE, NEVER OBSTRUCT OR MODIFY THE AIR INLET/OUTLET GRILLES IN ANY MANNER.

Install optional marble and brass trim surround kits as desired. Marble, brass, brick, tile, or other non-combustible materials can be used to cover up the gap between combustible material (sheetrock or wood) and the fireplace.

Do not obstruct or modify the air inlet/outlet grilles. When overlapping on both sides, leave enough space so that the bottom grille can be lowered and the trim door removed.

Positioning the Logs

If the gas logs have been factory installed they should not need to be positioned. If the logs have been packaged separately, refer to the instructions that accompany the logs. **Save the log instructions with this manual.**

If sooting occurs, the logs might need to be repositioned slightly to avoid excessive flame impingement.

Shutter Settings

	NG	LP
PIER-TRC	13mm	SET
ST-TRC	13mm	SET
L&R CORNER-TRC	13mm	SET

GLASS SPECIFICATIONS :

Shown in millimeters.

<u>Model</u>	<u>Large Glass</u>	<u>Small Glass</u>	<u>Glass Type</u>
PIER-TRC	864 x 508	508 x 508	TEMPERED
ST-TRC	864 x 508	N/A	TEMPERED
CORNER-TRC'S	864 x 508	508 x 508	TEMPERED

Placing the Ember Material

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

To place the ember material:

- Remove the wing nuts and glass clips or tension springs around the glass door.
- Remove the glass door from the unit.
- Place dime size pieces of ember material about 13 mm apart near port holes in burner top. Do **NOT** press embers into burner ports. Cover the top of the burner with a single layer of ember material. For best performance do NOT place embers on the ports at the rear of the burner.
- Save the remaining ember materials for use during fireplace servicing. The bag of embers provided is sufficient for 3 to 5 applications.
- Replace the wing nut, glass clips, and screws.
- Replace the glass door and a front trim door on the unit.
- Hand tighten the wing nut.

CAUTION: IT IS STRONGLY RECOMMENDED THAT TRIM DOORS WITH OPTIONAL MESH SCREENS BE INSTALLED ON PROPANE MODELS.



Figure 36. Placement of the Ember Material

Step 11. Before Lighting the Fireplace

Before lighting the fireplace, be sure to do the following:

Remove all paperwork from underneath the fireplace.

Review safety warnings and cautions

- Read the **Safety and Warning Information** section at the beginning of this *Installers Guide*.

Double-check for gas leaks

- Before lighting the fireplace, double-check the unit for possible gas leaks.

Double-check flue terminations and front grilles for obstructions.

- Before lighting the fireplace, double-check the unit for possible obstructions that could be blocking the flue terminations or the front grilles.

Double-check for faulty components

- Any component that is found to be faulty **MUST BE** replaced with an approved component. Tampering with the fireplace components is **DANGEROUS** and voids all warranties.

A small amount of air will be in the gas supply lines. When first lighting the fireplace, it will take a few minutes for the lines to purge themselves of this air. Once the purging is complete, the fireplace will light and will operate normally.

Subsequent lightings of the fireplace will not require this purging of air from the gas supply lines, **unless the gas valve has been turned to the OFF position**, in which case the air would have to be purged.

NOTE: The fireplace should be run 3 to 4 hours on the initial start-up. Turn it off and let it cool completely. Remove and clean the glass. Replace the glass and run the fireplace for an additional 8 hours. This will help to cure the chemicals used in the paint and logs.

Step 12. Lighting the Fireplace

You've reviewed all safety warnings, you've checked the fireplace for gas leaks, you know the flue system is unobstructed, and you've checked for faulty components. Now you're ready to light the fireplace.



WARNING: PLEASE REFER TO THE USER'S MANUAL FOR ALL CAUTIONS, SAFETY, AND WARNING INFORMATION PERTAINING TO THE LIGHTING AND OPERATION OF THE FIREPLACE.

After the Installation



LEAVE THIS INSTALLATION MANUAL WITH THE APPLIANCE FOR FUTURE REFERENCE.

4

Maintaining and Servicing Your Fireplace

Fireplace Maintenance

Although the frequency of your fireplace servicing and maintenance will depend on use and the type of installation, you should have a qualified service technician perform an appliance check-up at the beginning of each heating season. See the table below for specific guidelines regarding each fireplace maintenance task.

IMPORTANT: TURN OFF THE GAS BEFORE SERVICING YOUR FIREPLACE.

Replacing old ember material

Frequency: Once annually, during the checkup.

By: Qualified service technician.

Task: Brush away loose ember material near the burner. Replace old ember material with new 10mm thin pieces Glowing Ember (050-721). New ember material should be placed on top of the burner. Save the remaining ember material and repeat this procedure at your next servicing. For more information, see **Placing Ember Material**.

Cleaning Burner and Controls

Frequency: Once annually.

By: Qualified service technician.

Task: Brush or vacuum the control compartment and burner areas surrounding the logs.

Checking Flame Patterns, Flame Height

Frequency: Periodically.

By: Qualified service technician/Home owner.

Task: Make a visual check of your stove's flame patterns. Make sure the flames are steady - not lifting or floating. See Figure 37. The thermopile/thermocouple tips should be covered with flame. See Figure 30.

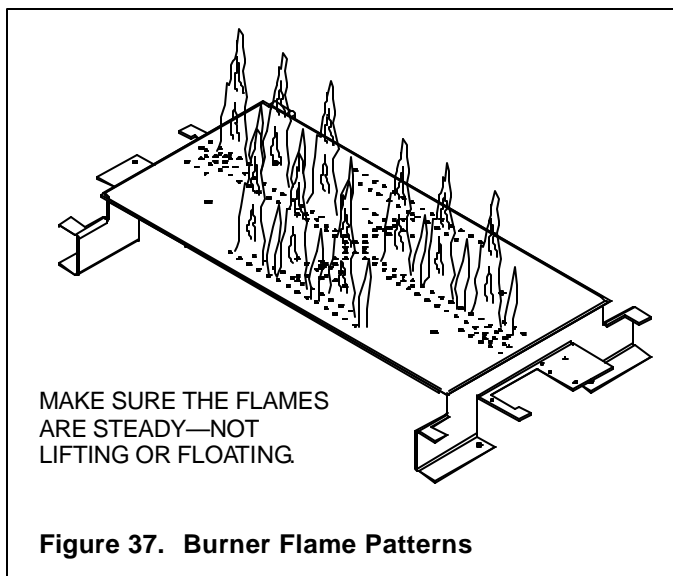


Figure 37. Burner Flame Patterns

Checking Flue System

Frequency: Before initial use and at least annually thereafter, more frequently if possible.

By: Qualified service technician/Home owner.

Task: Inspect the external cap on a regular basis to ensure that no debris is interfering with the flow of air. Inspect entire flue system for proper function.

Cleaning Glass Door

Frequency: After the first 3 to 4 hours of use. As necessary after initial cleaning.

By: Home owner.

Task: Remove and clean glass after the first 3 to 4 hours of use. After the initial cleaning, clean as necessary, particularly after adding new ember (flame colorant) material. Film deposits on the inside of the glass door should be cleaned off using a household glass cleaner. **NOTE: DO NOT handle or attempt to clean the door when it is hot and DO NOT use abrasive cleaners.**

Burner Removal

Frequency: As needed.

By: Qualified service technician.

Task: Remove door by lifting off J-hooks. Unscrew wing nuts and remove glass. Remove logs and grate by lifting up (there are no screws). Remove pieces of refractory. Remove 6 screws which hold burner in place. Replace in reverse order. See Figure 38.

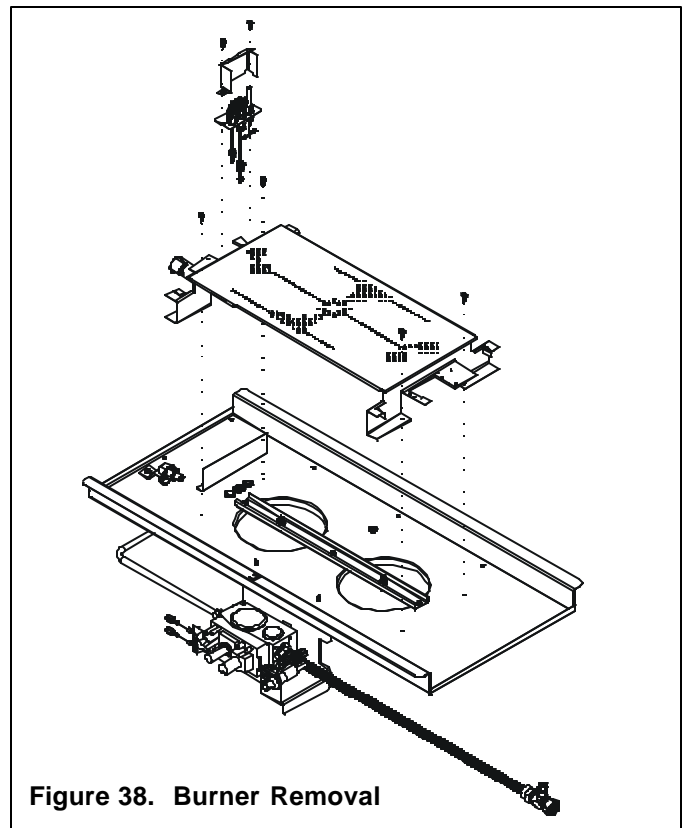


Figure 38. Burner Removal

5

Troubleshooting

With proper installation, operation, and maintenance the gas fireplace will provide years of trouble-free service. If you do experience a problem, this trouble shooting guide will assist a qualified service person in the diagnosis of a problem and the corrective action to be taken. This troubleshooting guide can only be used by a qualified service technician.

Symptom	Possible Cause	Corrective Action
1. After repeated triggering of the red piezo button, the spark ignitor will not light the pilot.	a. Defective ignitor.	Check the spark at the electrode and pilot. If no spark and electrode wire is properly connected, replace the ignitor.
	b. Defective pilot or misaligned electrode (spark at electrode).	Using match, light the pilot. If the pilot lights, turn off the pilot and trigger the red piezo button again. If the pilot lights, an improper gas/air mixture caused the bad lighting and a longer purge period is recommended. If the pilot will not light, ensure the the gap at the electrode and pilot is 3 mm to have a strong spark. If the gap is OK, replace the pilot.
	c. No gas or low gas pressure.	Check the remote shut-off valvess from the fireplace. Usually, there is a valve near the gas main. There can be more than one (1) valve between the fireplace and the main.
	d. No LP in tank.	Check the LP (propane) tank. You may be out of fuel.
2. The pilot will not stay lit after carefully following the lighting instructions.	a. Defective thermocouple.	<p>Check that the pilot flame impinges on the thermocouple. Clean and/or adjust the pilot for maximum flame impingement.</p> <p>Ensure that the thermocouple connection at the gas valve is fully inserted an tight (hand tighten plus 1/4 turn).</p> <p>Disconnect the thermocouple from the valve, place one millivolt meter lead wire on the tip of the thermocouple and the other meter lead wire on the thermocouple copper lead. Start the pilot and hold the valve knob in. If the millivolt reading is less than 15mV, replace the thermocouple.</p>
	b. Defective valve.	If the thermocouple is producing more than 15 millivolts, replace faulty valve.
3. The pilot is burning, there is no gas burner, the valve knob is in the ON position, and the ON/OFF switch is in the ON position.	a. ON/OFF switch or wires defective.	Check the ON/OFF switch and wires for proper connections. Place the jumper wires across the terminals at the switch. If the burner comes on, replace the defective switch. If the switch is OK, place the jumper wires across the switch wires at the gas valve. If the burner comes on, the wires are faulty or connections are bad.
	b. Thermopile may not be generating sufficient millivoltage.	<p>If the pilot flame is not close enough physically to the thermopile, adjust the pilot flame.</p> <p>Be sure the wire connections from the thermopile at the gas valve terminals are tight and that the thermopile is fully inserted into the pilot bracket.</p> <p>Check the thermopile with a millivolt meter. Take the reading at TH-TP&TP terminals of the gas vlave. The meter should read 325 millivolts minimum, while holding the valve knob depressed in the pilot position, with the pilot lit, and the ON/OFF switch in the OFF position. Replace the faulty thermopile if the reading is below the specified minimum.</p> <p>With the pilot in the ON position, disconnect the thermopile leads from the valve. Take a reading at the thermopile leads. The reading should be 325 millivolts minimum. Replace the thermopile if the reading is below the minimum.</p>
	c. Defective valve.	Turn the valve knob to the ON position. Place the ON/OFF switch in the ON position. Check the millivolt meter a the thermopile terminals. The millivolt meter should read greater than 125mV. If the reading is acceptable, and if the burner does not come on, replace the gas valve.
	d. Plugged burner orifice.	Check the burner orifice for stoppage. Remove stoppage.
	e. Wall switch or wires are defective.	Follow the corrective action in Symptom and Possible Cause 1.a above. Check the switch and wiring. Replace where defective.

Troubleshooting continued

Symptom	Possible Cause	Corrective Action
4. Frequent pilot outage problem.	a. Pilot flame may be too high or too low, or blowing (high), causing pilot safety to drop out.	Clean and adjust the pilot flame for maximum flame impingement on thermocouple. Follow lighting instructions carefully.
5. The pilot and main burner extinguish while in operation.	a. No LP in tank.	Check the LP (propane) tank. Refill the fuel tank.
	b. Inner flue pipe leaking exhaust gases back into the system.	Check for gas leaks.
	c. Horizontal flue improperly pitched.	The horizontal flue cap should slope down only enough to prevent any water from entering the unit. The maximum downwards lope is 6mm.
	d. Glass too loose and air tight packet leaks in corners after usage.	Tighten the corner.
	e. Bad thermopile or thermocouple.	Replace if necessary.
	f. Improper flue cap installation.	Check for proper installation and freedom from debris or blockage.
6. Glass soots.	a. Flame impingement.	Adjust the log set so that the flame does not excessively impinge on it.
	b. Improper venturi setting.	Adjust the air shutter at the base of the burner.
	c. Debris around venturi.	Inspect the opening at the base of the burner. NO MATERIAL SHOULD BE PLACED IN THIS OPENING.
7. Flame burns blue and lifts off burner.	a. Insufficient oxygen being supplied.	<p>Ensure that the flue cap is installed properly and free of debris. Ensure that the flue system joints are tight and have no leaks.</p> <p>Ensure that no debris has been placed at the base of, or in the area of the air holes in the center of the base pan beneath the burner.</p> <p>Ensure that the glass is tightened properly on the unit, particularly on top corners.</p>