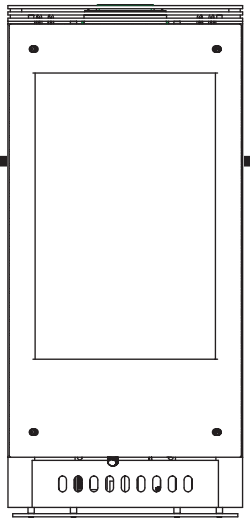
HEAT&GLO™

No one builds a better fire



Installation & Operation Instructions

Model:
VRTIKL-AU
FREESTANDING STOVE

AUSTRALIAN GAS ASSOCIATION CERTIFIED

Certificate Number: 7153

DO NOT DISCARD

CAUTION

DO NOT DISCARD THIS MANUAL

- Important operating and maintenance instructions included.
- Read, understand and follow these instructions for safe installation and operation.
- Leave this manual with party responsible for use and operation.

⚠ 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 gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **What to do if you smell gas**
  - Do not try to light any appliance.
  - Do not touch any electrical switch. Do not use any phone 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, service agency, or the gas supplier.

⚠ WARNING

HOT SURFACES!
Glass and other surfaces are hot during operation AND cool down.

Hot glass will cause burns.
- Do not touch glass until it is cooled
- NEVER allow children to touch glass
- Keep children away

- CAREFULLY SUPERVISE children in same room as fireplace.
- Alert children and adults to hazards of high temperatures.

High temperatures may ignite clothing or other flammable materials.
- Keep clothing, furniture, draperies and other flammable materials away.

Installation and service of this gas stove should be performed by qualified personnel.

HEAT&GLO™

No one builds a better fire

PLEASE READ THIS MANUAL BEFORE INSTALLING AND USING THIS APPLIANCE.

Model: VRTIKL-AU is Australian Gas Association APPROVED FOR NATURAL GAS OR PROPANE AS A BALANCED FLUE HEATER. Refer to the appliance data plates for gas consumptions and pressures.

Installation of this appliance should only be carried out by an authorized person in accordance with the manufacturers instructions. Appliance is to be installed in full compliance with the National Gas Installation Standard AS5601, all relevant codes and regulations laid down by the gas fitting authorities, municipal building regulations, electrical wiring regulations, and the requirements of the AGA Gas Installation Code must be observed.

This appliance and its components are tested and safe when installed in accordance with this Installation Manual. Report to your dealer any parts damaged in shipment, specifically check glass condition. The gas logs and flue system components are in separate packages.

Read all instructions before starting installation and follow these instructions carefully during installation to ensure maximum benefit and safety. Failure to follow them will void your warranty and may present a fire hazard.

The Heat & Glo warranty will be voided by, and Heat & Glo disclaims any responsibility for the following actions:

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

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.

➔ Heat & Glo, a brand of Hearth & Home Technologies, Inc.
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➔ = Contains updated information.

1 Listing and Code Approvals

A. Design and Installation Considerations

Heat & Glo balanced flue gas appliances are designed to operate with all combustion air siphoned from outside of the building and all exhaust gases expelled to the outside. No additional outside air source is required.

CAUTION

Check building codes prior to installation.

- Installation MUST comply with local, regional, state and national codes and regulations.
- Consult local building, fire officials or authorities having jurisdiction about restrictions, installation inspection, and permits.

When planning an appliance installation, it's necessary to determine the following information before installing:

- Where the gas stove is to be installed.
- The flue system configuration to be used.
- Gas supply piping.

B. Non-Combustible Materials Specification

Material which will not ignite and burn. Such materials are those consisting entirely of steel, iron, brick, tile, concrete, slate, glass or plasters, or any combination thereof.

C. Combustible Materials Specification

Materials made of or surfaced with wood, compressed paper, plant fibers, plastics, or other material that can ignite and burn, whether flame proofed or not, or whether plastered or unplastered shall be considered combustible materials.

⚠ WARNING

Do NOT use this gas stove 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.

D. Inspect Appliance and Components

⚠ WARNING

Inspect appliance and components for damage. Damaged parts may impair safe operation.

- Do NOT install damaged components.
- Do NOT install incomplete components.
- Do NOT install substitute components.

Report damaged parts to dealer.

- Carefully remove the appliance and components from the packaging.
- Remove door and set aside on protective surface.
- Remove log set and component pack from firebox.
- Report to your dealer any parts damaged in shipment, particularly the condition of the glass.
- **Read all of the instructions before starting the installation. Follow these instructions carefully during the installation to ensure maximum safety and benefit.**

⚠ WARNING

Hearth & Home Technologies disclaims any responsibility for, and the warranty will be voided by, the following actions:

- Installation and use of any damaged appliance or flue system component.
- Modification of the appliance or flue system.
- Installation other than as instructed by Hearth & Home Technologies.
- Improper positioning of the gas logs or the glass door.
- Installation and/or use of any component part not approved by Hearth & Home Technologies.

Any such action may cause a fire hazard.

2 Framing and Clearances

Note:
- Illustrations reflect typical installations and are FOR DESIGN PURPOSES ONLY.
- Illustrations/diagrams are not drawn to scale.
- Actual installation may vary due to individual design preference.

⚠ WARNING

Fire Risk

Provide adequate clearance:
- Around air openings
- To combustibles
- For service access

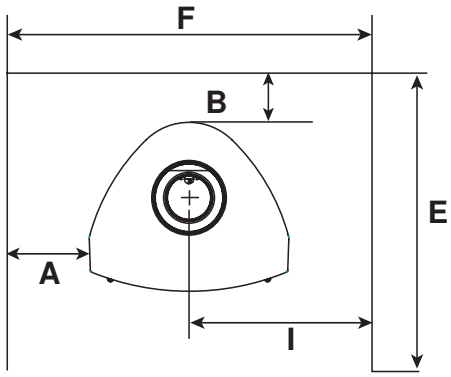
Locate appliance away from traffic areas.

A. Selecting Appliance Location

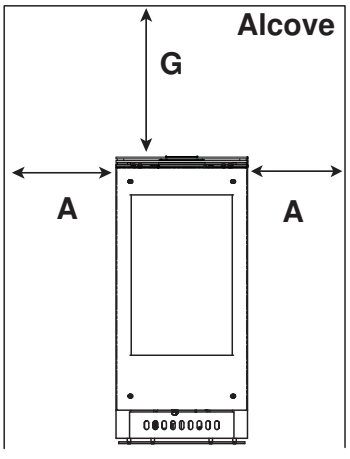
When selecting a location for your appliance it is important to consider the required clearances to walls (see figure 2.1).

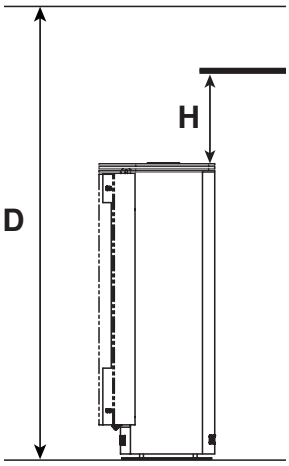
Note: For actual appliance dimensions refer to Section 11.

B. Clearances to Combustibles



"A" measurement is from gas stove top, not side.



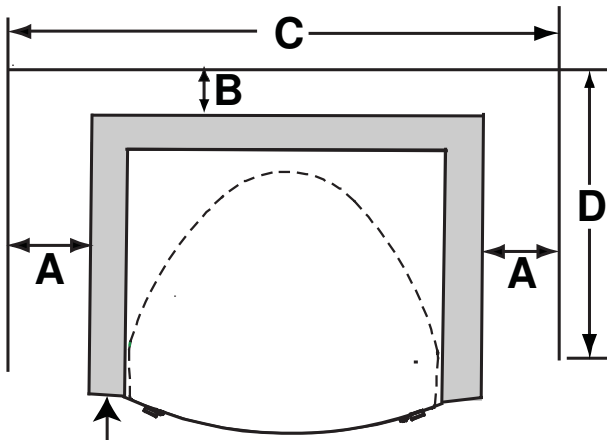


Note: Mantel must maintain 25mm clearance from vertical flue.

	A	B	C	D	E	F	G	H	I
Millimeters	152	76	308	1372	914	781	337	267	394

Figure 2.1

C. Optional Stone Surround Installed



	A	B	C	D
Millimeters	83	102	781	914

Figure 2.2

⚠ WARNING

Fire Risk.

Odor Risk.

Tipping Risk

- Install gas stove on a stable, level platform/ floor strong enough to support gas stove without tipping.
- USE wood flooring, ceramic tile, brick hearth or high pressure laminate flooring applied directly over the sub-flooring material.

3 Termination Locations

A. Flue Termination Minimum Clearances

⚠ WARNING

Fire Risk.

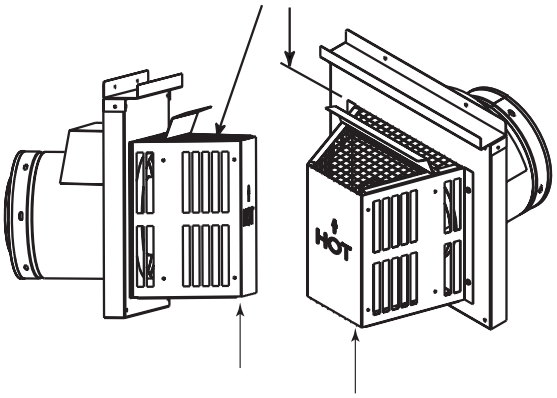
Explosion Risk.

Maintain flue clearance to combustibles as specified.

- Do not pack air space with insulation or other materials.

Failure to keep insulation or other materials away from flue pipe may cause fire.

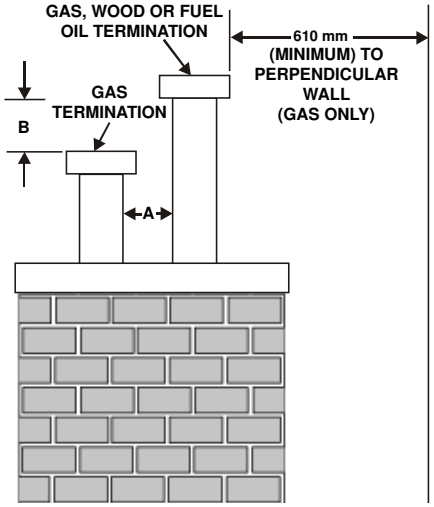
Measure vertical clearances from this surface.



Measure horizontal clearances from this surface.

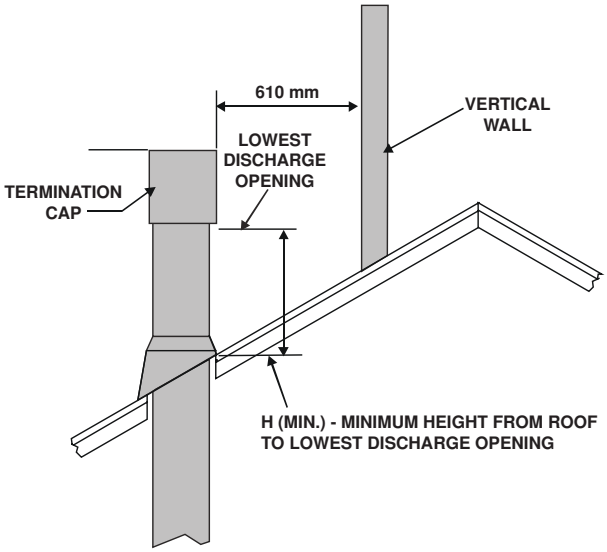
(See Figure 3.4 for specific clearances)

Figure 3.1



	Balanced Flue Gas Termination	Natural Draft Gas, Wood & Fuel Oil Termination
A	1000 mm	510 mm
B	0 mm	460 mm

Figure 3.2 Multiple Vertical Termination

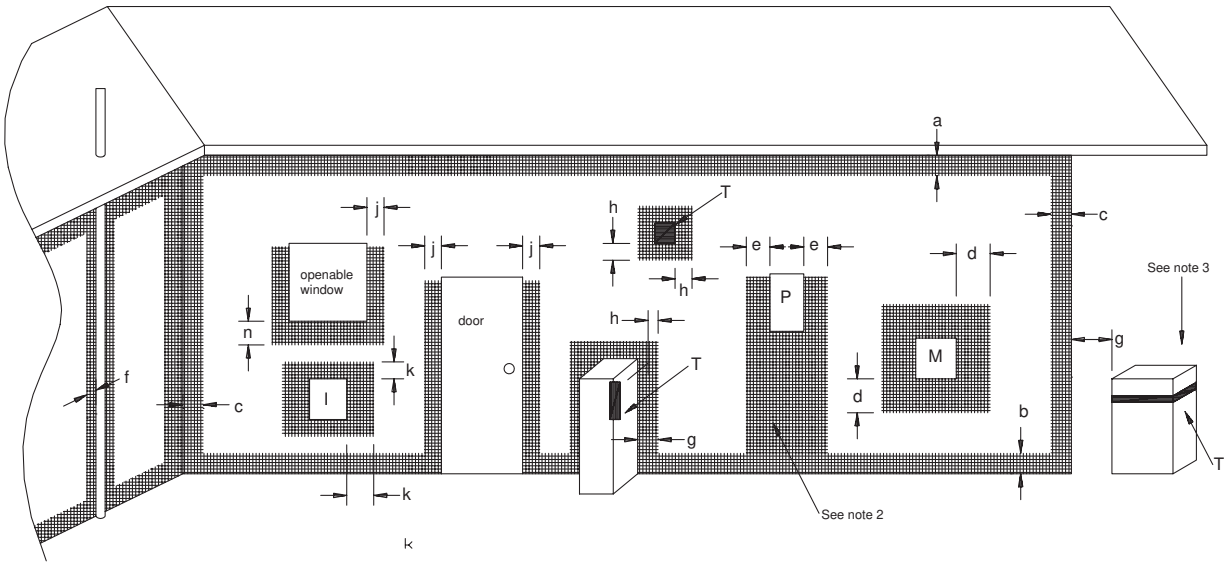


Angle	H (Min.) M
0°-26.6°	0.30*
26.6°-30.3°	0.38*
30.3°-33.7°	0.46*
33.7°-36.9°	0.61*
36.9°-39.8°	0.76
39.8°-42.5°	0.99
42.5°-45.0°	1.22
45.0°-49.4°	1.52
49.4°-53.1°	1.83
53.1°-56.3°	2.13
56.3°-59.0°	2.29
59.0°-60.3°	2.44

*.91 M minimum in snow regions

Figure 3.3 Minimum Height from Roof to Lowest Discharge Opening

Figure 3.3 specifies minimum flue heights for various pitched roofs.



T = Flue terminal M = Gas meter
I = Mechanical air inlet P = Electricity meter or fuse box

Shading indicates prohibited areas for flue terminals

MIN. CLEARANCE (mm)

a - Below eaves, balconies or other projections:
- Appliances up to 50 MJ/h input 300
- Appliances over 50 MJ/h input 500

b - From the ground or above a balcony 300

c - From a return wall or external corner 500

d - From a gas meter (M) 1000

e - From an electricity meter or fuse box (P) 500

f - From a drain or soil pipe 150

g - Horizontally from any building structure (unless appliance approved for closer installation) or obstruction facing a terminal 500

h - From any other flue terminal, cowl, or combustion air intake 500

j - Horizontally from an openable window, door, non-mechanical air inlet, or any other opening into a building, with the exception of sub-floor ventilation:
- Appliances up to 150 MJ/h input 500
- Appliances over 150 MJ/h input 1500

k - From a mechanical air inlet, including a spa blower 1500

n - Vertically below an openable window, non-mechanical air inlet or any other opening into a building, with the exception of sub-floor ventilation ..... See table below

CLEARANCE 'n' (mm)			
Space Heaters	All other appliances		
Up to 50 MJ/h input	Up to 50 MJ/h input	Over 50 MJ/h & up to 150 MJ/h	Over 150 MJ/h input
150	500	1000	1500

NOTES:
1. All distances are measured vertically or horizontally along the wall to a point in line with the nearest part of the terminal.
2. Prohibited area below electricity meter or fuse box extends to ground level.
3. See clause 5.13.6.6 for restrictions on a flue terminal under a roofed area.
4. See Appendix J, Figure J1(a) and J2(a) for clearances required from a flue terminal to a LP Gas cylinder. A flue terminal is considered to be a source of ignition.

MINIMUM CLEARANCES REQUIRED FOR BALANCED FLUE TERMINALS OR THE FLUE TERMINALS OF OUTDOOR APPLIANCES

Figure 3.4

4 Flue Information

A. Flue Components

These models are approved to use Hearth & Home Technologies series pipes, components and termination. Approved components are labeled for identification. This pipe is tested and listed as an approved component of the stove.

DO NOT USE FIELD-FABRICATED FLUE COMPONENTS. Refer to the flue manufacturer's instructions.

This product is approved to be flued either horizontally, through the side wall or vertically through the roof. You may flue through a Class A or masonry chimney if an approved adapter is used.

This gas stove is a balanced flue gas stove. All combustion air must come directly from the outside of the building. The flue pipe for this unit consists of an inner and an outer pipe. The inner pipe carries the gas stove exhaust out of the system, and the outer pipe brings fresh combustion air into the gas stove.

- A round support box/wall thimble or heat shield is required when the flueing passes through a combustible wall.
- A support box or ceiling firestop is required when the flueing passes through a combustible ceiling.
- Roof flashing and a storm collar are required when flueing passes through the roof.
- Follow instructions provided with the flueing for installation of these items.

⚠ WARNING

Fire Hazard.

Explosion Risk.

Asphyxiation Risk.

Do NOT connect this gas appliance to a chimney flue serving a separate solid-fuel or gas burning appliance.

- Flue this appliance directly outside.
- Use separate flue system for this appliance.

May impair safe operation of this appliance or other appliances connected to the flue.

B. Use of Elbows

CAUTION

ALL flue configuration specifications MUST be followed.

- This product is tested and listed to these specifications.
- Appliance performance will suffer if specifications are not followed.

Diagonal runs have both vertical and horizontal flue aspects when calculating the effects. Use the rise for the vertical aspect and the run for the horizontal aspect. (See Figure 4.1.)

Two 45° elbows may be used in place of one 90° elbow. On 45° runs, one 305 mm diagonal section of flue is equal to 216 mm horizontal run and 216 mm vertical run. A length of straight pipe is allowed between two elbows. (See Figure 4.1.)

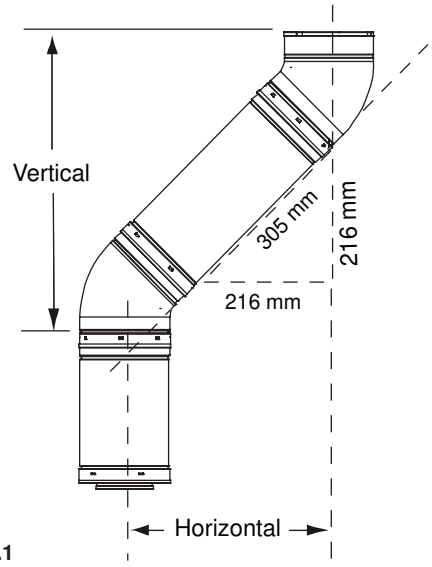


Figure 4.1

C. Measuring Standards

Vertical and horizontal measurements were made using the following standards.

- Pipe measurements are from center line to center line.
- Horizontal terminations are measured to the outside edge of termination cap. See Figure 3.1.
- Horizontal pipe installed level with no rise.

D. Flue Diagrams

STRAIGHT UP
VERTICAL FLUE
V
3.6M Minimum
11.8M Maximum

For Natural and Propane Gases.

Note: For this type of installation, the vertical flue restrictor must be added. See section H for instructions.

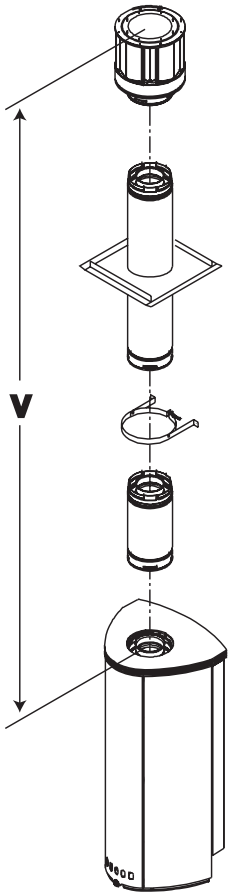


Figure 4.1

STRAIGHT OUT
HORIZONTAL FLUE
H
610 mm Maximum

For Natural and Propane Gases.

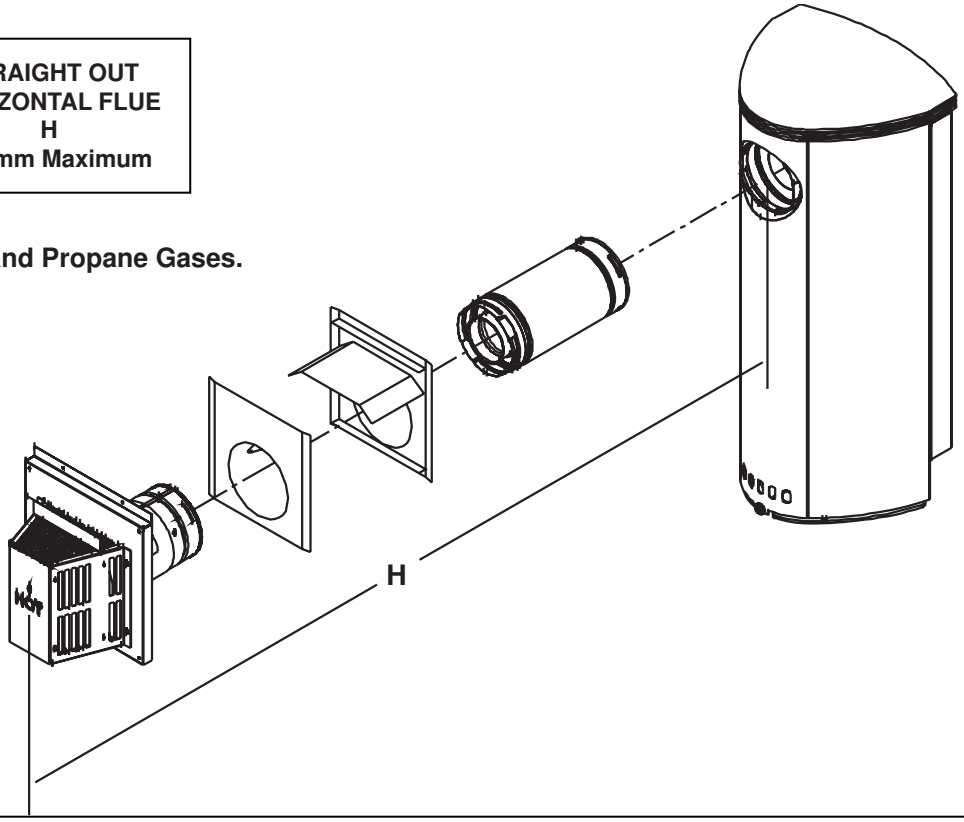


Figure 4.2

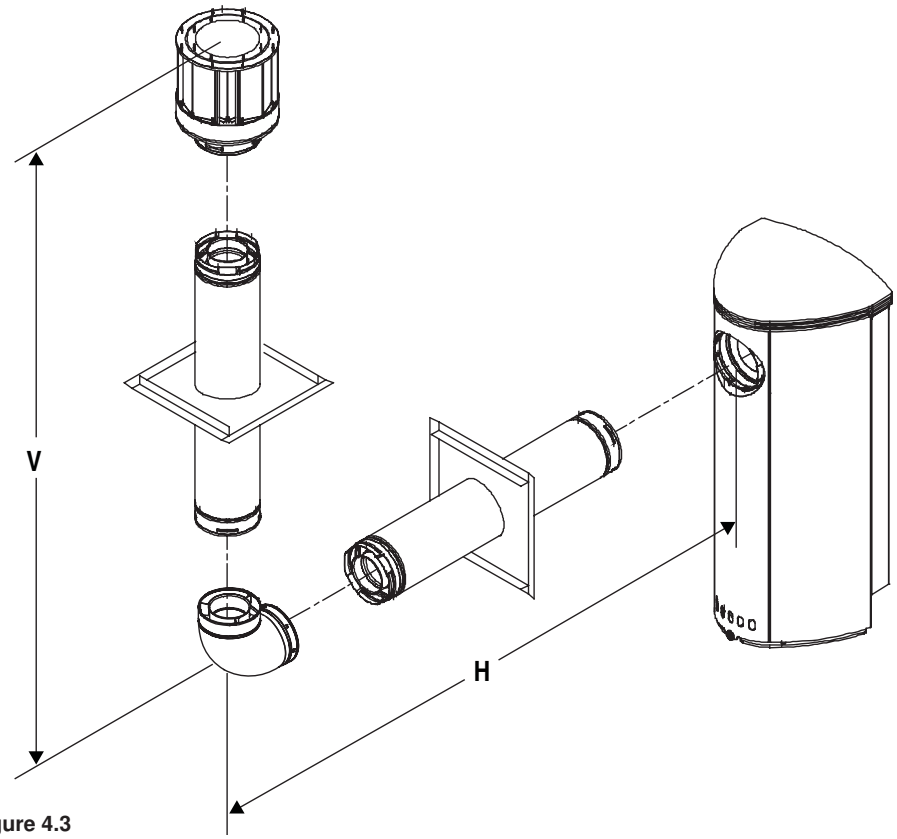


Figure 4.3

Natural Gas • One 90º Elbow System	
V Minimum	**H Maximum**
460 mm	1.3 M
920 mm	2.7 M
1.4 M	4.1 M
1.8 M	5.0 M
V+H = Max 11.6 M	H Max = 5.0 M

Propane • One 90º Elbow System	
V Minimum	**H Maximum**
460 mm	920 mm
920 mm	1.8 M
1.4 M	2.8 M
1.8 M	3.6 M
V+H = Max 11.6 M	H Max = 3.6 M

Natural Gas • One 90º Elbow System	
V Minimum	**H Maximum**
460 mm	1.3 M
920 mm	2.7 M
1.4 M	4.1M
1.8 M	5.0 M
V+H = Max 11 M	H Max = 5.0 M

Propane • One 90º Elbow System	
V Minimum	**H Maximum**
460 mm	920 mm
920 mm	1.8 M
1.4 M	2.8 M
1.8 M	3.6 M
V+H = Max 11 M	H Max = 3.6 M

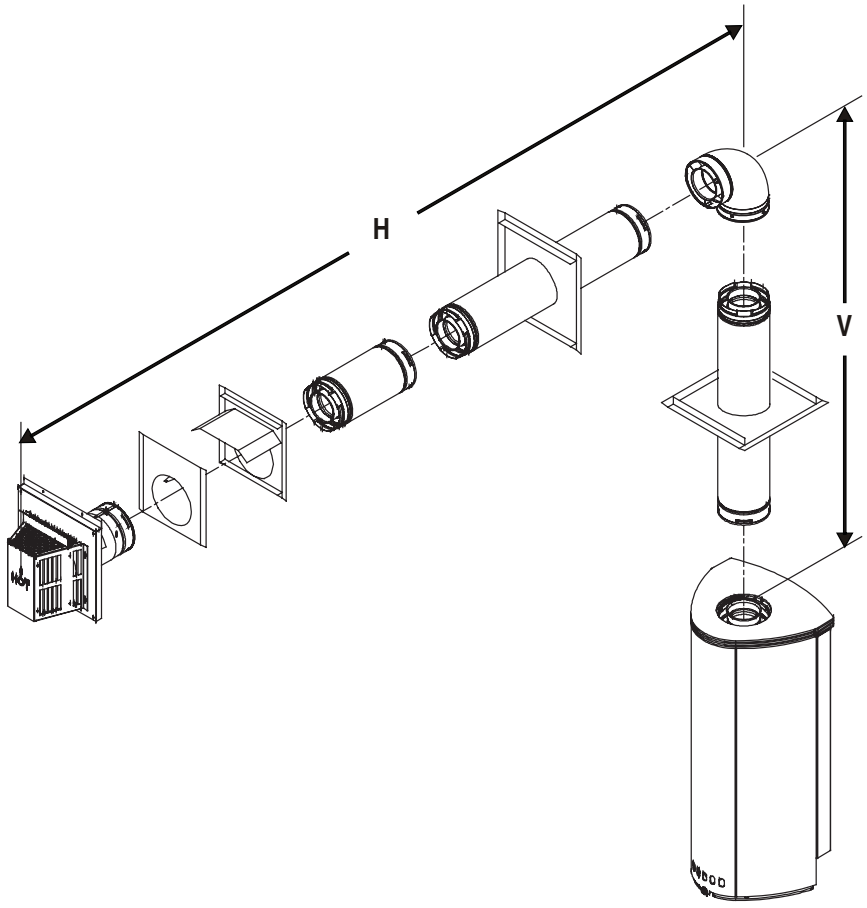


Figure 4.4

Natural Gas • Two 90º Elbows System		
V Min.	**H1 Max.**	**H1 + H2 Max.**
460 mm	550 mm	1.1 M
920 mm	1.1 M	2.2 M
1.4 M	1.7 M	3.5 M
1.8 M	2.2 M	4.5 M
V+H1+H2 = Max 11.0M	H1 Max = 2.2M	H1+H2 = Max 4.5M

Propane • Two 90º Elbows System		
V Min.	**H1 Max.**	**H1 + H2 Max.**
460 mm	390 mm	690 mm
920 mm	750 mm	1.3 M
1.4 M	1.1 M	2.1 M
1.8 M	1.5 M	2.7 M
V+H1+H2 = Max 10.6M	H1 Max = 1.5M	H1+H2 = Max 2.7M

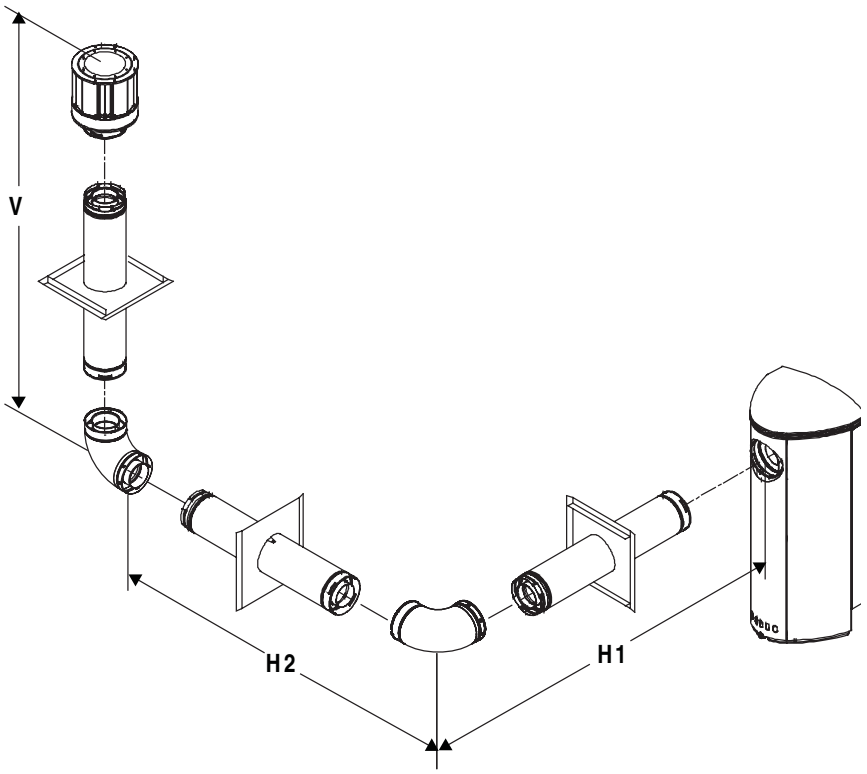


Figure 4.5

Natural Gas • Two 90º Elbows System		
V Min.	**H1 Max.**	**H1 + H2 Max.**
460 mm	550 mm	1.1 M
920 mm	1.1 M	2.3 M
1.4 M	1.7 M	3.5 M
1.8 M	2.2 M	4.5 M
V+H1+H2 = Max 10M	H1 Max = 2.2M	H1+H2 = Max 4.5M

Propane • Two 90º Elbows System		
V Min.	**H1 Max.**	**H1 + H2 Max.**
460 mm	390 mm	690 mm
920 mm	750 mm	1.3 M
1.4 M	1.1 M	2.1 M
1.8 M	1.5 M	2.7 M
V+H1+H2 = Max 10M	H1 Max = 1.5M	H1+H2 = Max 2.7M

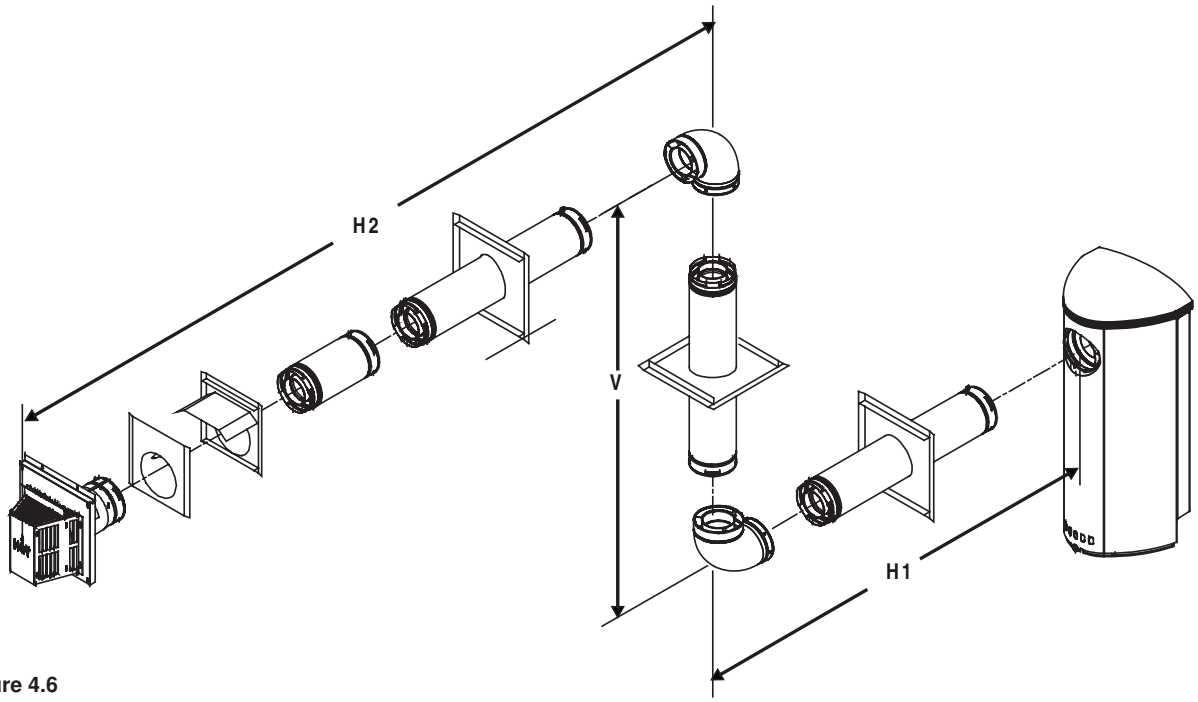
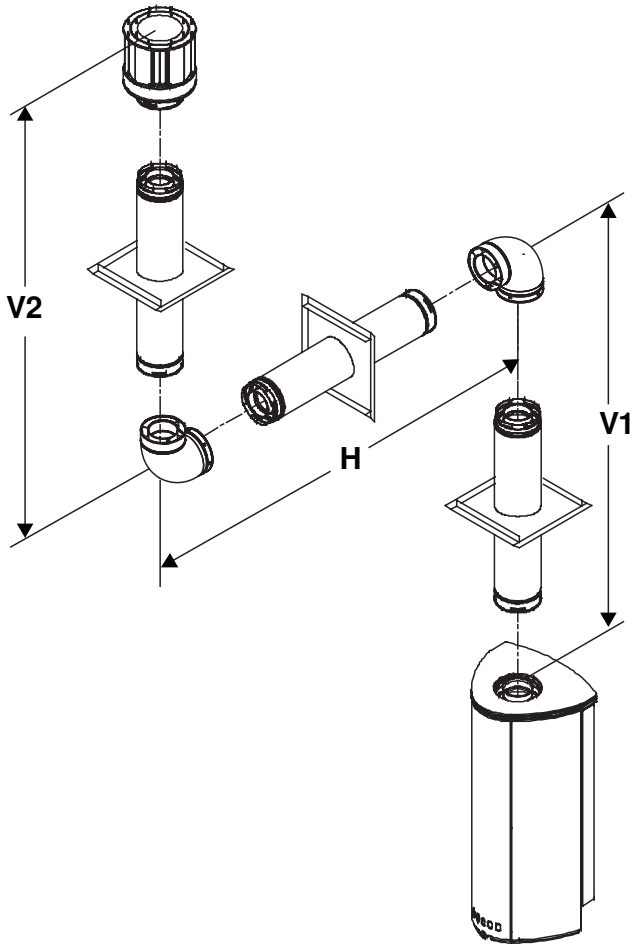


Figure 4.6



Natural Gas • Two 90⁰ Elbows System	
V1 Min.	**H Max.**
310 mm	930 mm
610 mm	1.8 M
91 cm	2.7 M
1.2 M	3.6 M
1.5 M	4.5 M
V1+V2+H = Max 11.4M	H Max = 4.5M

Propane • Two 90⁰ Elbows System	
V1 Min.	**H Max.**
310 mm	620 mm
610 mm	1.2 M
910 mm	1.8 M
1.2 M	2.4 M
1.5 M	3.0 M
V1+V2+H = Max 11.4M	H Max = 3.0M

Figure 4.7

Natural Gas • Two 90⁰ Elbows System	
V Min.	**H1+H2 Max.**
61 cm	1.6 M
91 cm	2.4 M
1.2 M	3.2 M
1.5 M	4.0 M
V+H1+H2 = Max 11.4M	H1+H2 = Max 4.0M

Propane • Two 90⁰ Elbows System	
V Min.	**H1+H2 Max.**
61 cm	1.0 M
91 cm	1.5 M
1.2 M	2.0 M
1.5 M	2.6 M
V+H1+H2 = Max 11.4M	H1+H2 = Max 2.6M

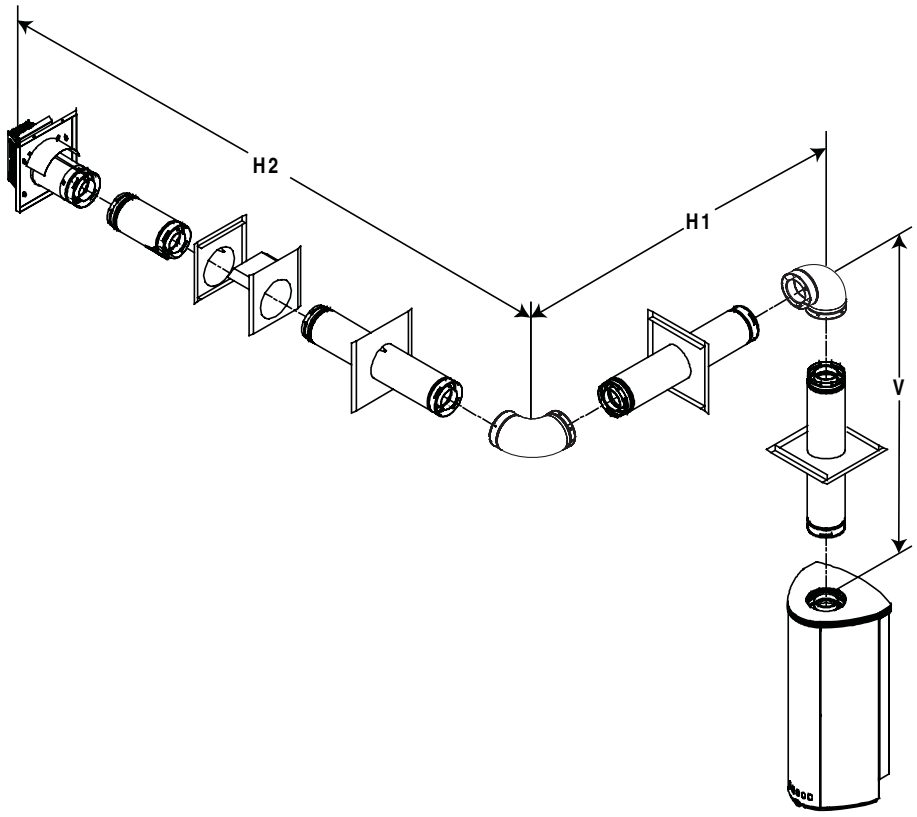


Figure 4.8

Natural Gas • Three 90⁰ Elbows System		
V1 Min.	**H1 Max.**	**H1 + H2 Max.**
460 mm	550 mm	1.1 M
920 mm	1.1 M	2.3 M
1.4 M	1.7 M	3.5 M
1.8 M	2.2 M	4.5 M
V1+V2+H1+H2=Max11M	H1 Max=2.2M	H1+H2=Max 4.5M

Propane • Three 90⁰ Elbows System		
V1 Min.	**H1 Max.**	**H1 + H2 Max.**
460 mm	340 mm	690 mm
920 mm	650 mm	1.3 M
1.4 M	1.0 M	2.1 M
1.8 M	1.8 M	2.7 M
V1+V2+H1+H2=Max 11M	H1 Max=1.8M	H1+H2=Max 2.7M

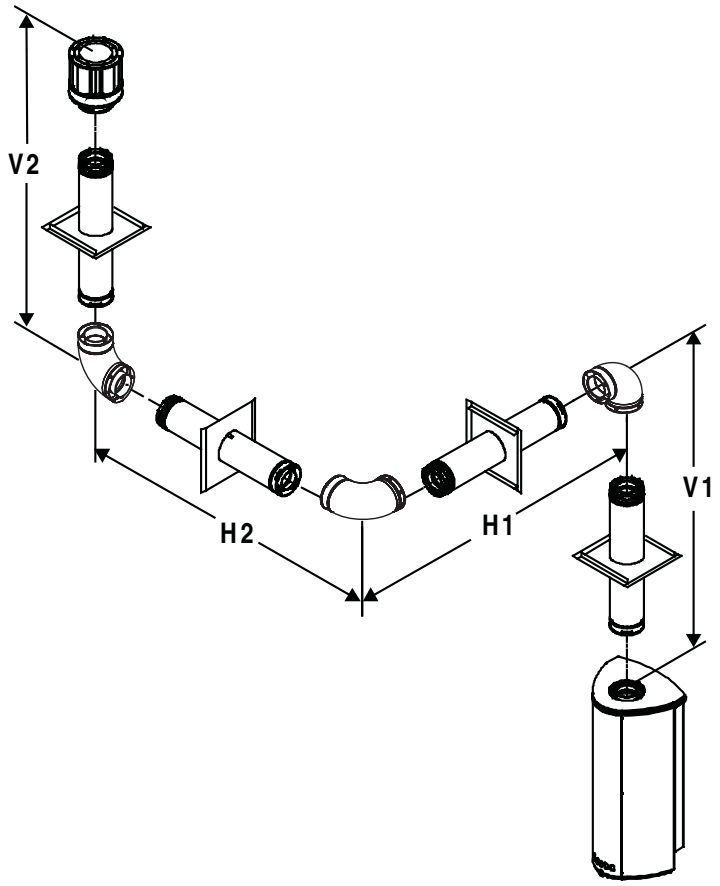
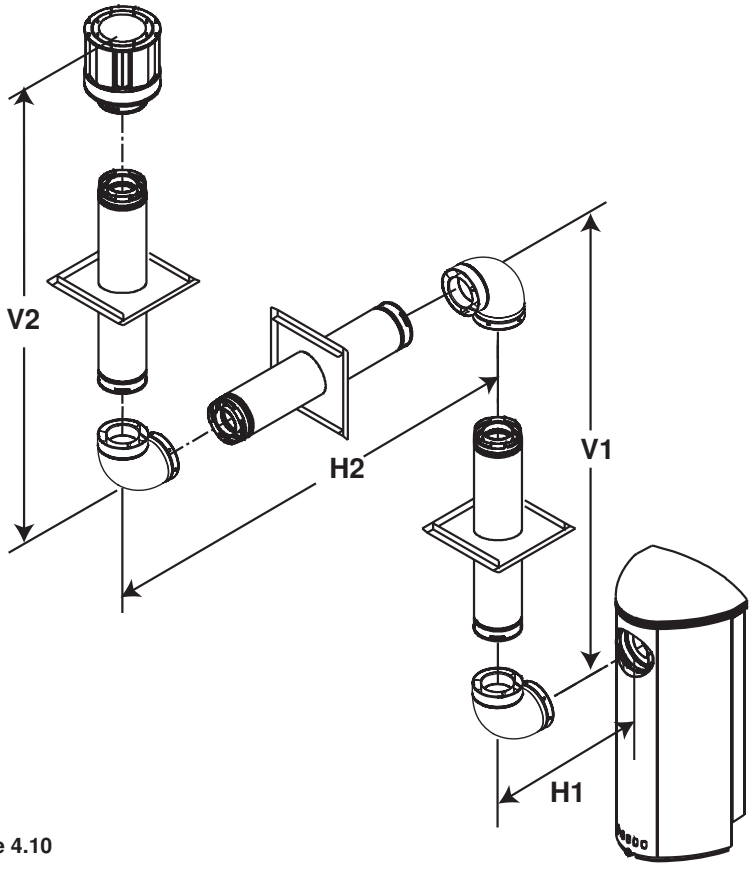


Figure 4.9



Natural Gas • Three 90⁰ Elbows System		
V1 Min.	**H1 Max.**	**H1 + H2 Max.**
460 mm	550 mm	1.0 M
920 mm	1.1 M	2.0 M
1.4 M	1.7 M	3.0 M
1.8 M	2.2 M	3.9 M
V1+V2+H1+H2=Max 11M	H1 Max=2.2M	H1+H2=Max 3.9M

Propane • Three 90⁰ Elbows System		
V1 Min.	**H1 Max.**	**H1 + H2 Max.**
460 mm	340 mm	550 mm
920 mm	650 mm	1.1 M
1.4 M	1.0 M	1.6 M
1.8 M	1.8 M	2.1 M
V1+V2+H1+H2=Max 10M	H1 Max=1.8M	H1+H2=Max 2.1M

Figure 4.10

E. Horizontal Termination

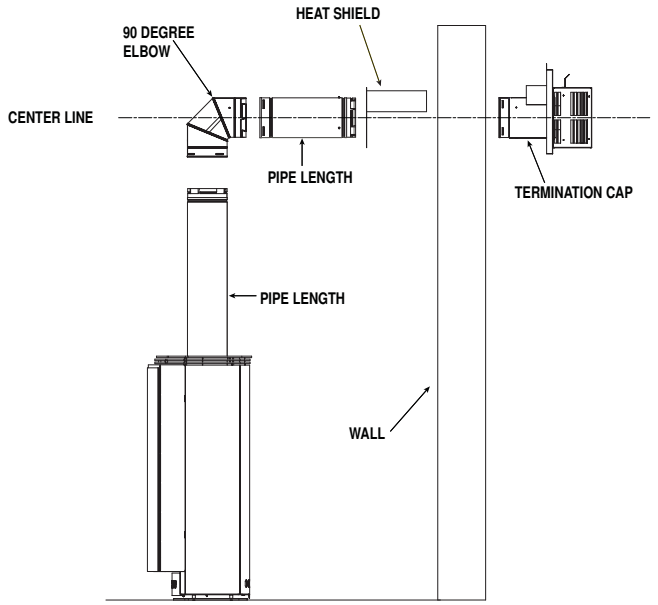


Figure 4.11

Step 1.

Determine the desired location of the gas stove. Check to ensure that wall studs or roof rafters are not in the way when the flue system is being planned. If this is the case, you may want to adjust the location of the gas stove.

⚠ WARNING

Fire Risk

Exhaust Fumes Risk

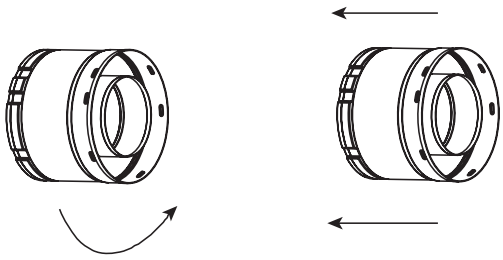
Impaired Performance of Appliance

- Ensure flue components are locked together correctly.
- Pipe may separate if not properly joined.

Step 2.

Balanced flue pipe is designed with a locking connection. To connect the flue system to the gas stove flue outlet:

- Lock the flue components into place by sliding the pipe section onto the collar.
- Align the seam of the pipe and seam of collar to allow engagement. Rotate the flue component to lock into place. Use this procedure for all vent components. See Figure 4.12.
- 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.



Note: Align seams to engage pipe, then rotate counterclockwise to lock

Figure 4.12

⚠ WARNING

Fire Risk.

Explosion Risk.

Combustion Fume Risk.

Use flue run supports per installation instructions.

Connect flue sections per installation instructions.

- Maintain all clearances to combustibles.
- Do NOT allow flue to sag below connection point to appliance.
- Maintain specified slope (if required).

Improper support may allow flue to sag or separate.

Step 3.

For installations using a slim line heat shield, mark the outside wall for a 254 mm x 254 mm square hole. The center of the square hole should line up with the center line of the horizontal pipe, as shown in **Figure 4.11**. Cut and frame the hole in the exterior wall where the flue will be terminated. If the wall being penetrated is constructed of noncombustible material, i.e. masonry block or concrete, a 178 mm diameter hole is acceptable.

Step 4.

Install slim line heat shield as shown in Section 4F.

Step 5.

Position the horizontal termination cap in the center of the 254 mm x 254 mm square hole and run a bead of non-hardening mastic around its outside edges, to make a seal between it and the wall. Attach termination cap to the exterior wall with the four wood screws provided. The arrow on the flue cap should be pointing up.

F. Slim Line Heat Shield

BEFORE YOU BEGIN:

Review the flueing configurations in **Figures A and B** on the next page.

1. Assembling Slim Line Trim Ring and Heat Shield

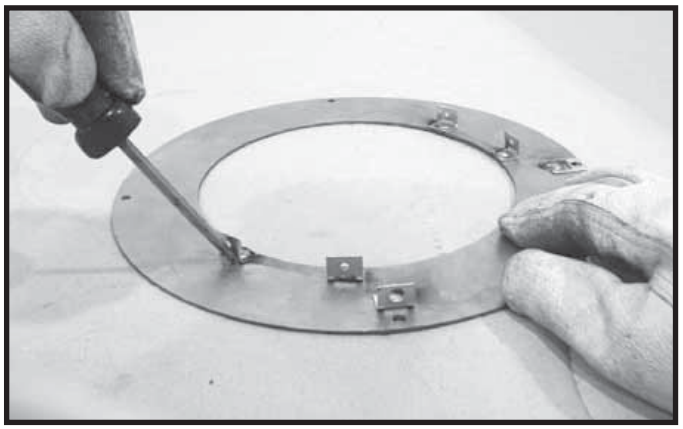


Figure 4.13

Lay the trim ring on flat surface and bend up the six welded brackets into a 90 degree position. The brackets along the outer edge of the ring are for locating the ring in the center of the hole.

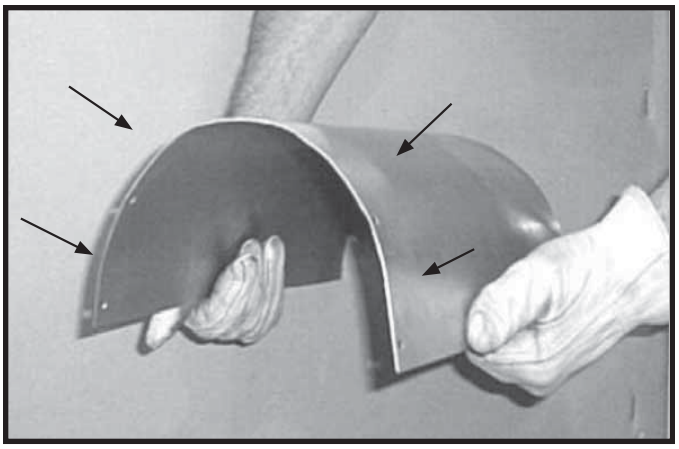


Figure 4.14

The heat shield is shipped flat and must be hand bent into a half circle before attaching it to the trim ring. Bend the heat shield as shown.

CAUTION

Sharp Edges

- Wear protective gloves and safety glasses during installation.

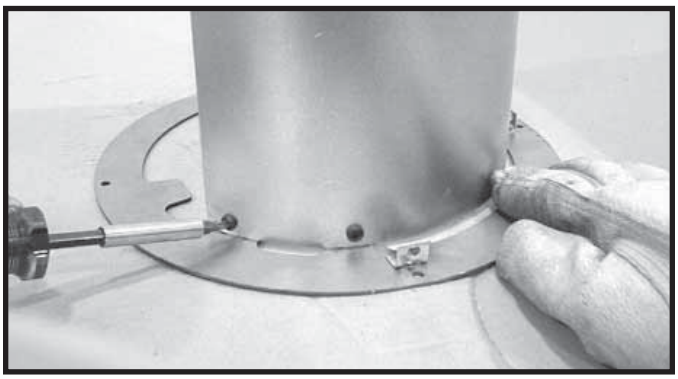


Figure 4.15

Attach the heat shield to the trim ring with the four screws provided. Screws go through the heat shield and into the brackets on the trim ring.

2. Installing Slim Line Trim Ring and Heat Shield

Measure from the floor to the center of the flue pipe. Cut out a 241 mm diameter round hole in the wall. Hold the trim ring/heat shield assembly in place and put a mark on the shield with a black marker where it protrudes through the exterior wall. See Figure 4.11on previous page.

Use that mark as a guide to trim off excess heat shield with a pair of sheet metal shears.

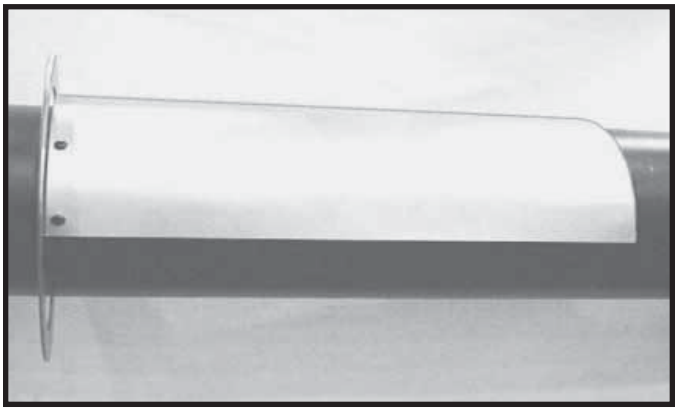


Figure 4.16

When installing the trim ring/heat shield assembly make sure the trim ring is centered in the hole and that the shield is above the pipe. There must be a minimum of 19 mm clearance maintained to combustibles from the top of the heat shield.

Ensure that framing on the inside of the wall is a minimum inner framing diameter of 254 mm x 254 mm.

The four trim ring mounting screws provided should be replaced with appropriate fasteners for stucco, brick, concrete, or other types of sidings. The trim ring may be sealed with high temperature caulk or high temperature adhesive.

FIG. A 90 DEGREE ELBOW

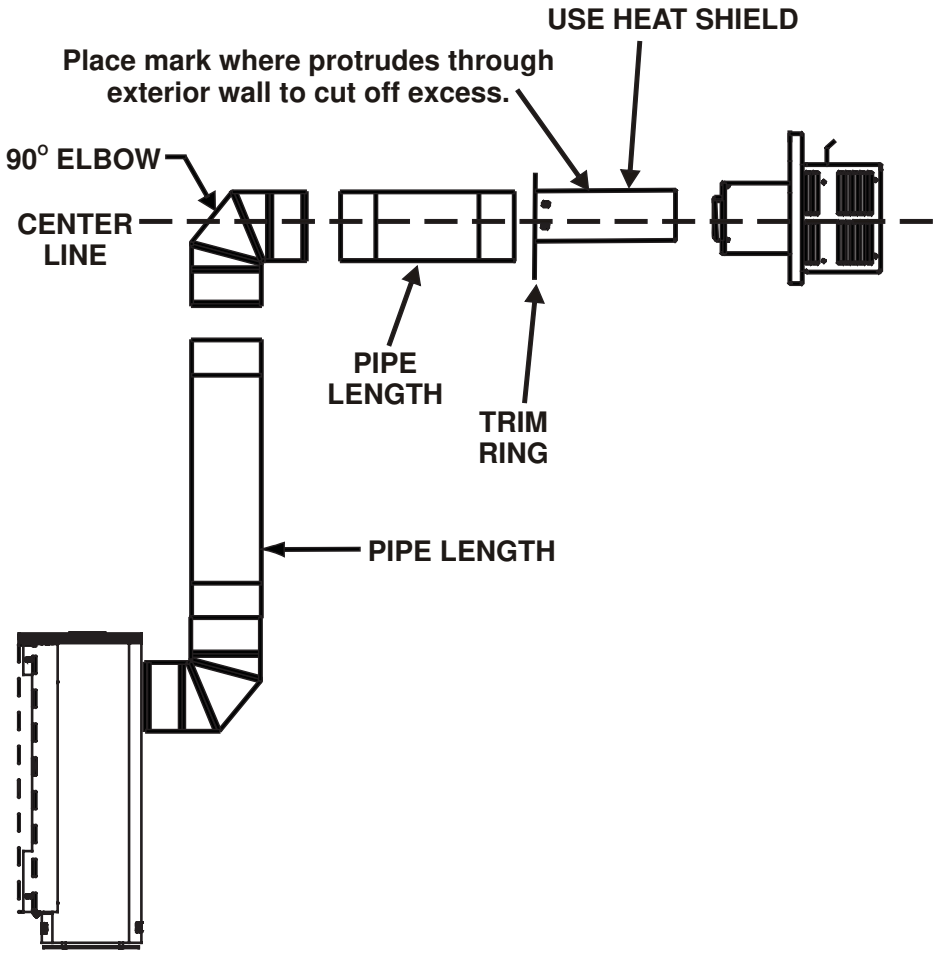


FIG. B MINIMUM CLEARANCE

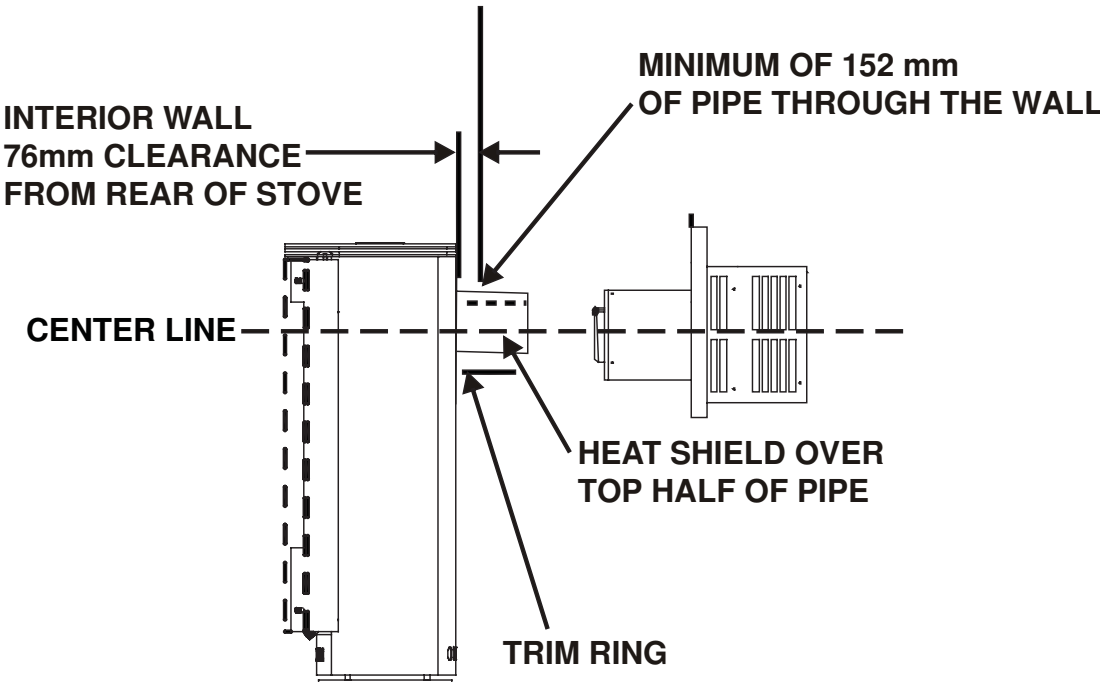
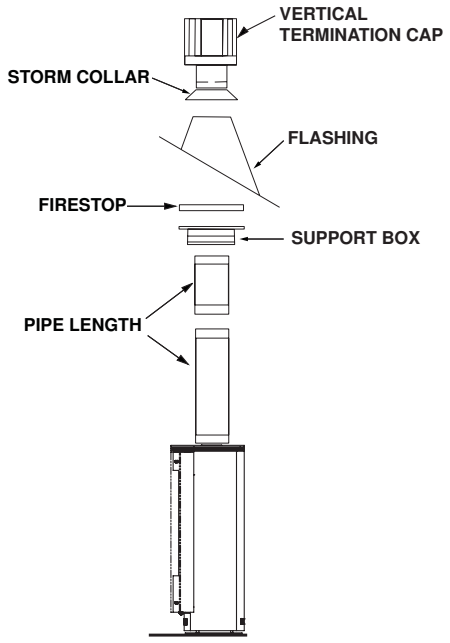


Figure 4.17

G. Vertical Termination

1. Balanced Flue Pipe



On vertical terminations use only Part #SLP-TVHW

Figure 4.18

Step 1.
Check the installation instructions for required 25 mm clearances (air space) to combustibles when passing through ceilings, walls, roofs, enclosures, attic rafters, or other nearby combustible surfaces. (See **Figure 4.24).** Check the instructions for maximum vertical rise of the flueing system, and any maximum horizontal offset limitations. All offsets must fall within the set parameters of the flue charts (**Figure 4.1**) located on pages 10-14.

Note: Maximum vertical rise allowable is 11.8 m, Figure 4.1.

⚠ WARNING

Fire Risk.

Explosion Risk.

Maintain flue clearance to combustibles as specified.

- Do not pack air space with insulation or other materials.

Failure to keep insulation or other materials away from flue pipe may cause fire.

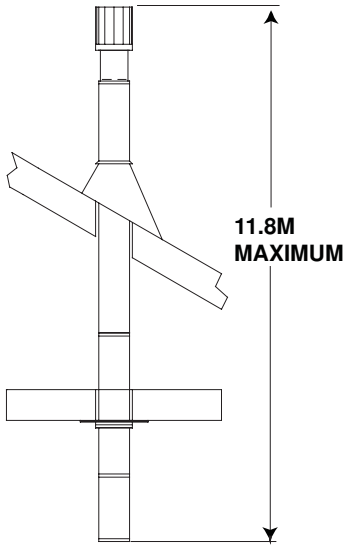


Figure 4.19

Step 2.
Set the gas stove in its desired location. Drop a plumb bob down from the ceiling to the position of the gas stove flue exit, and mark the location where the flue will penetrate the ceiling. Drill a small hole at this point. Next, drop a plumb bob from the roof to the hole previously drilled in the ceiling, and mark the spot where the flue will penetrate the roof. Determine if ceiling joists, roof rafters, or other framing will obstruct the flueing system. You may wish to relocate the gas stove, or to offset, as shown in **Figure 4.20** to avoid cutting load bearing members.

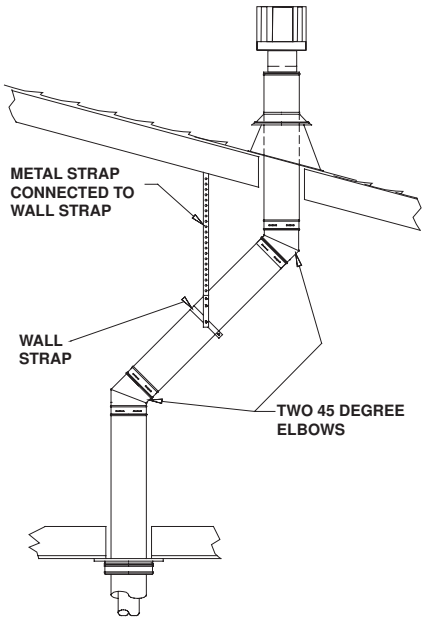


Figure 4.20

Step 3.
To install the round support box/wall thimble cover in a flat ceiling, cut a 254 mm square hole in the ceiling, centered on the hole drilled in Step 2. Frame the hole as shown in **Figure 5.22**.

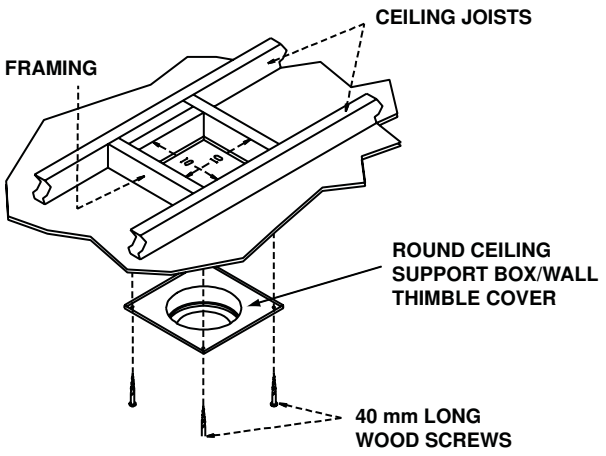


Figure 4.21

Step 4.
Assemble the desired lengths of pipe and elbows necessary to reach from the gas stove up through the round support box. Ensure that all pipe and elbow connections are in their fully twist-locked position. Assemble as instructed.

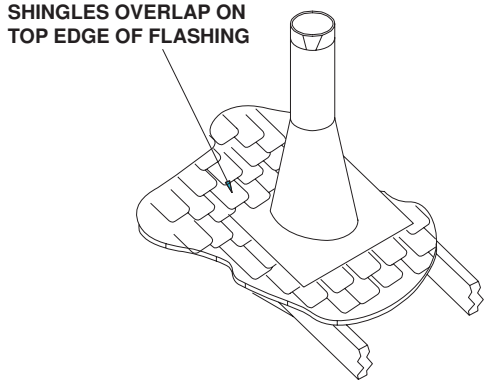
Step 5.
Cut a hole in the roof centered on the small drill hole placed in the roof in Step 2. The hole should be of sufficient size to meet the minimum requirements for clearance to combustibles, as specified. Continue to assemble lengths of pipe and elbows necessary to reach from the ceiling support box/wall thimble up through the roof line. Galvanized pipe and elbows may be utilized in the attic, as well as above the roofline. The galvanized finish is desirable above the roofline, due to its higher corrosion resistance (compared to black pipe).

NOTE:

(1) If an offset is necessary in the attic to avoid obstructions, it is important to support the flue pipe every 914 mm to avoid excessive stress on the elbows, and possible separation. Wall straps are available for this purpose**,** **Figure 4.20**, page 18.

(2) Whenever possible, use 45° elbows, instead of 90° elbows. The 45° elbow offers less restriction to the flow of flue gases and intake air.

Step 6.
Slip the flashing over the pipe section(s) protruding through the roof. Secure the base of the flashing to the roof with roofing nails. Ensure the roofing material overlaps the top edge of the flashing as shown in **Figure 4.22**. Verify that the chimney is the required height above the roof. See roof pitch table, **Figure 3.3**.



CAP AND STORM COLLAR NOT SHOWN FOR CLARITY

Figure 4.22

Step 7.
Continue to assemble pipe sections until the height of the flue (before adding the termination cap) meets the minimum local code requirements. Note that for steep roof pitches, the flue height must be increased. See Roof Pitch Table (**Figure 3.3**). In high wind conditions, nearby trees adjoining rooflines, steep pitched roofs, and other similar factors can result in poor draft, or down drafting. In these cases increasing the flue height or switching to the high wind termination cap may solve this problem.

Step 8.
Slip the storm collar over the pipe, and push it down to the top of the flashing (**Figure 4.23**). Use non-hardening sealant above and below the joint between the storm collar and the pipe.

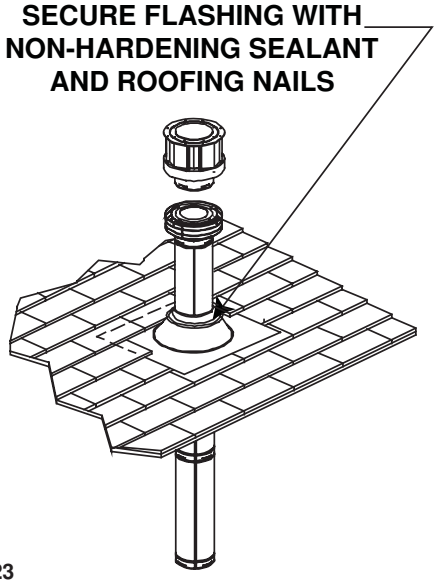


Figure 4.23

Step 9.
Twist-lock the flue cap and seal.

Note: For multi-story vertical installations, a ceiling firestop is required at the second floor, and any subsequent floors (**Figure 4.24**). The opening should be framed to 229 mm x 229 mm inside dimensions, in the same manner as shown in **Figure 4.21**.

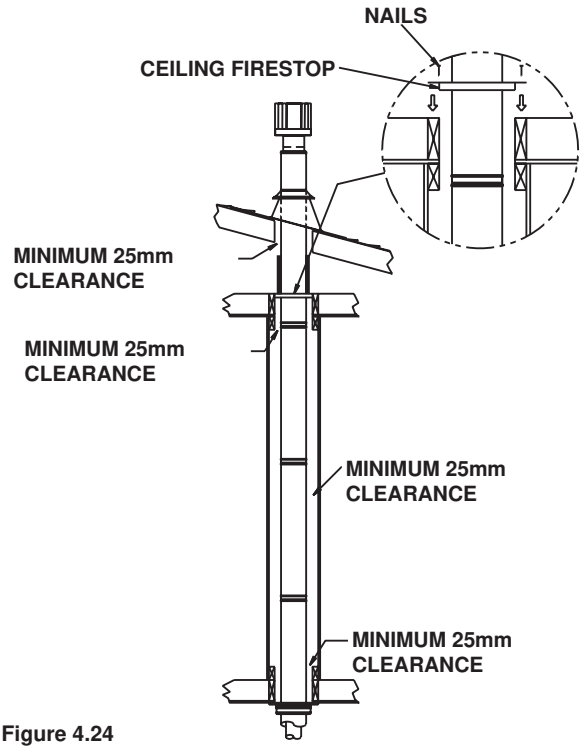


Figure 4.24

⚠ WARNING

Fire Risk.

Explosion Risk.

- Any occupied areas above the first floor, including closets and storage spaces, which the vertical flue passed through must be enclosed. The enclosure may be framed and sheetrocked with standard construction materials; however, refer to these installation instructions for the minimum allowable clearance between the outside of the flue pipe and the combustible surfaces of the enclosure. Do not fill any of the required air space with insulation.

H. Vertical Flue Restrictor

If the heater installation requires a vertical flue off the top of the unit with no horizontal flue or elbows, the vertical flue restrictor must be added. Reinstall heat shield when completed. See Figure 4.25.

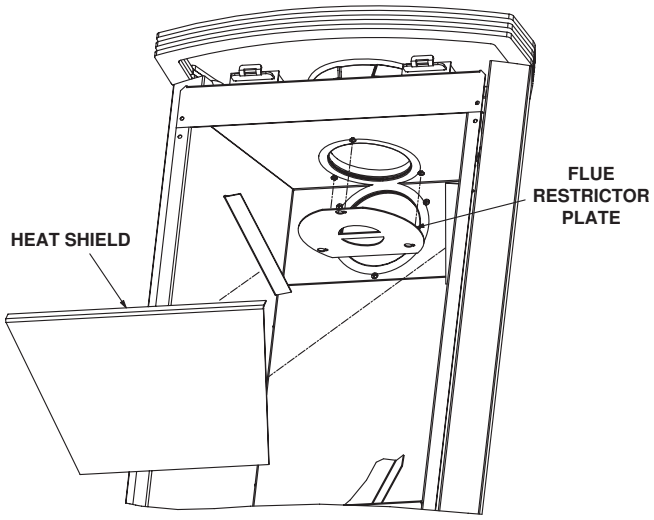


Figure 4.25

5 Gas Information

A. Gas Pressure Requirements

Pressure requirements for VRTIKL-AU Stoves are shown in Table 1 below.

Two taps are provided on the right hand side of the gas control for a test gauge connection to measure the inlet and outlet pressures. See **Section 10**: Maintaining and Servicing the Appliance.

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.

⚠ WARNING

Fire Risk.

Explosion Hazard.

High pressure will damage valve.

- Disconnect gas supply piping BEFORE pressure testing gas line at test pressures above 6 kPa.
- Close the manual shutoff valve BEFORE pressure testing gas line at test pressures equal to or less than 6kPa..

B. Gas Connection

Note: Have the gas supply line installed in accordance with local building codes by a qualified installer approved and/or licensed as required by the locality.

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

Leak test all gas line points and the gas control valve prior to and after starting the gas stove.

⚠ WARNING

CHECK FOR GAS LEAKS

Explosion Risk

Fire Risk

Asphyxiation Risk

- Check all fittings and connections.
- Do not use open flame.

- After the gas line installation is complete, all connections must be tightened and checked for leaks with a commercially-available, non-corrosive leak check solution. Be sure to rinse off all leak check solution following testing.

Fittings and connections may have loosened during shipping and handling.

Table 1

	Natural Gas	Propane
Minimum Inlet Pressure	1.13 kPa	2.75 kPa
Outlet Pressure	.80 kPa	2.40 kPa
Max. Gas Consumption	26.7 mJ	24.5 mJ
Burner Injector	2.53 mm	1.45 mm
Burner Air Shutter (2 Openings)	13mm x 18mm	11.5 x 18 mm

6 Electrical Information

A. Ignition System Wiring

- This gas stove is equipped with an electronic ignition system which operates on a 6 volt system.
- The batteries are located within the ignition module which is located behind the glass door assembly. A wiring diagram is shown in Figure 6.1.
- The ignition module requires four AA batteries (not included).

CAUTION

Battery polarity must be correct or module damage will occur.

⚠ WARNING

Shock hazard.

- Replace damaged wire with type 105º C rated wire.
- Wire must have high temperature insulation.

CAUTION

Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

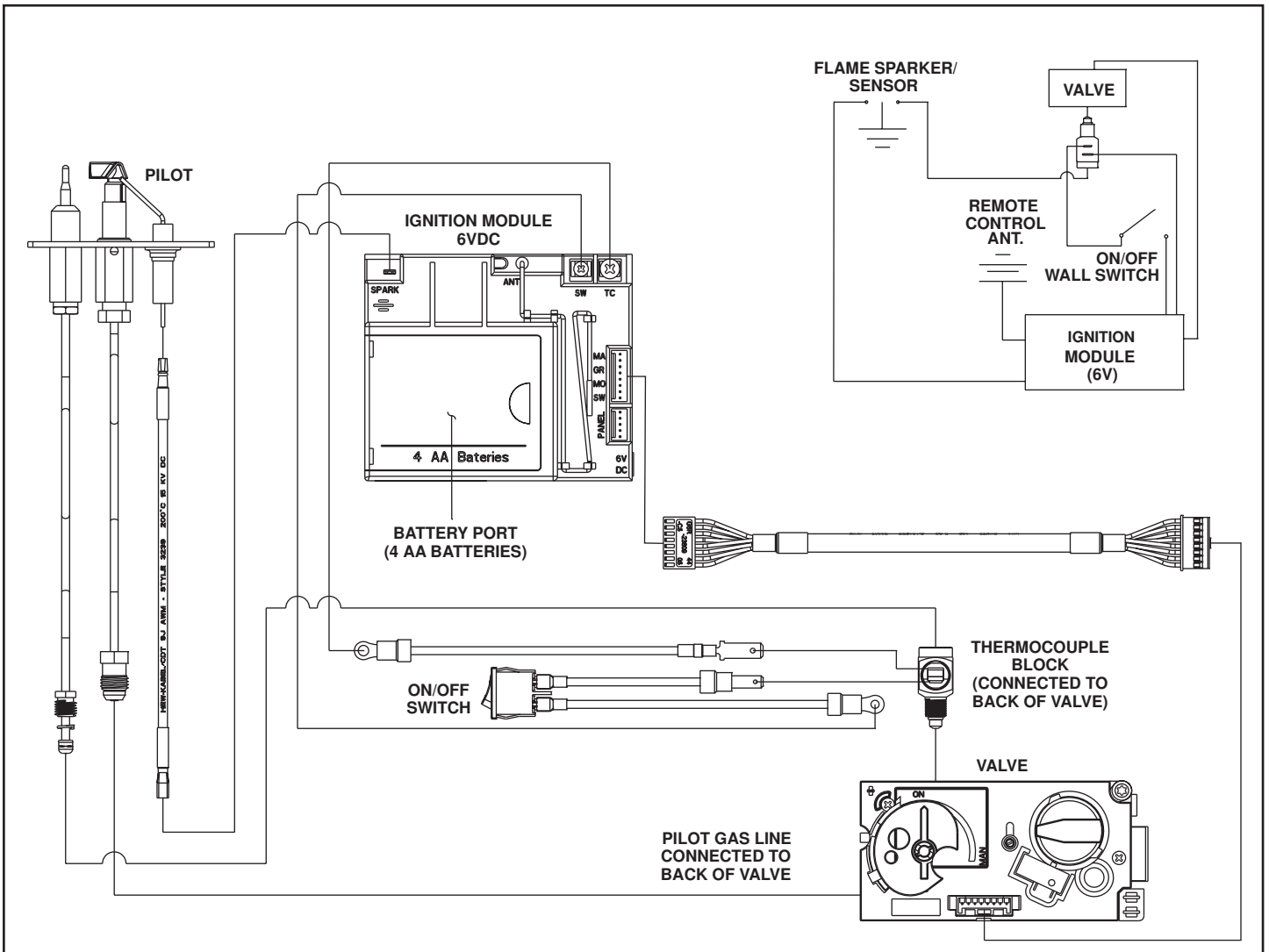


Figure 6.1 Electronic Ignition Wiring Diagram

7 Appliance Setup

A. Remove Glass Door

Remove the front door assembly by pulling bottom of front away from gas stove and lifting it off of the hooks on top of the stove. Set door assembly aside.

B. Remove Shipping Materials

Remove shipping materials from inside or underneath the firebox.

The gas line is shipped inside back panel. To access the gas line remove the top plate from the gas stove. Remove and retain the two Allen head screws that hold the back panel in place. Replace panel when finished.

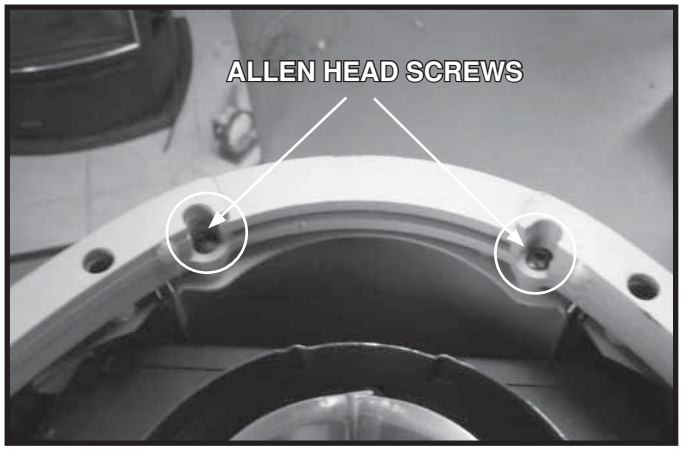


Figure 7.1

C. Unbolting Appliance from the Pallet

The gas stove is bolted and screwed to the pallet for shipping. Use a 1/2 in. socket to remove the bolt in center of bottom plate. Use a Phillips screwdriver to remove the two screws in the front of the bottom plate and the two screws holding the metal strap across the back of the gas stove. Refer to **Figure 7.2** for locations.

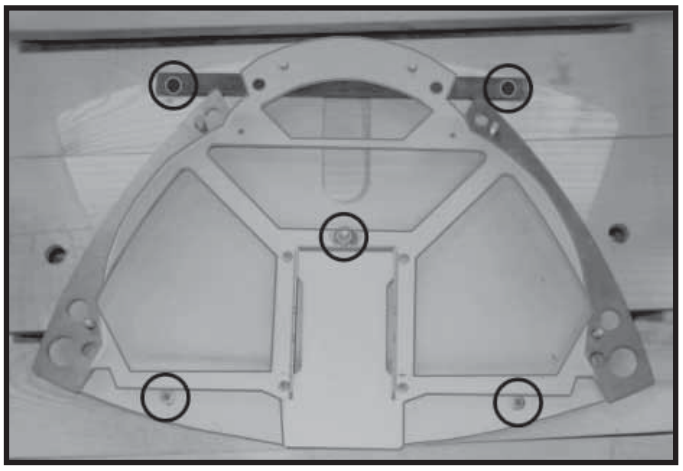


Figure 7.2

D. Leveling and Lagging Down the Appliance

SECURING THE GAS STOVE IS REQUIRED.

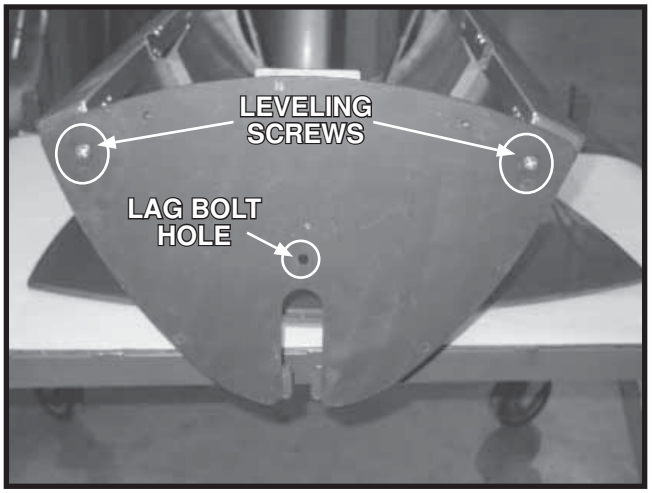
⚠ WARNING

Fire Risk.

Odor Risk.

Tipping Risk

- Install gas stove on a stable, level platform/ floor strong enough to support gas stove without tipping.
- USE wood flooring, ceramic tile, brick hearth or high pressure laminate flooring applied directly over the sub-flooring material.



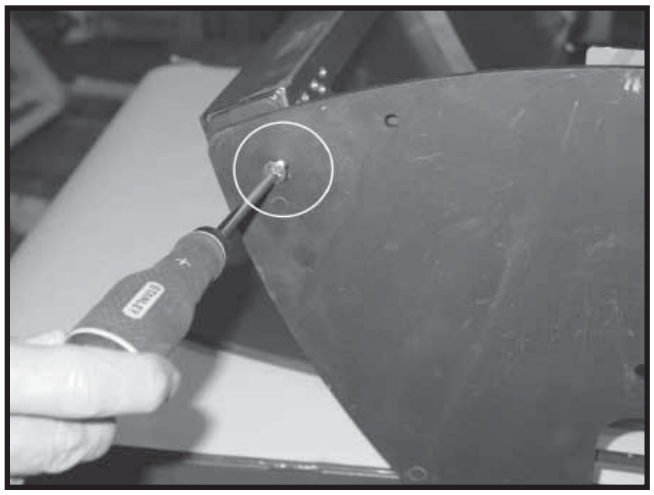


Figure 7.3

After unbolting the gas stove from the pallet, insert two 1/4 20 x 1-1/2 (or equivalent) counterscrews.

Using pliers, adjust the counterscrews to level the gas stove.

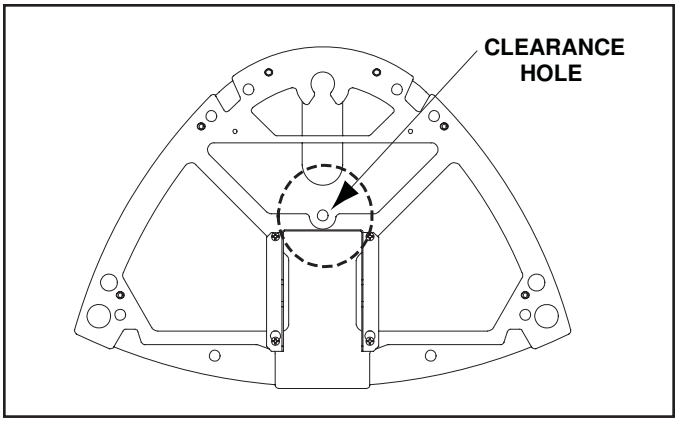


Figure 7.4

The manufacturer recommends securing the lag bolt from the component bag in the center hole in the bottom plate (clearance hole). This bolt will help to prevent tipping forward.

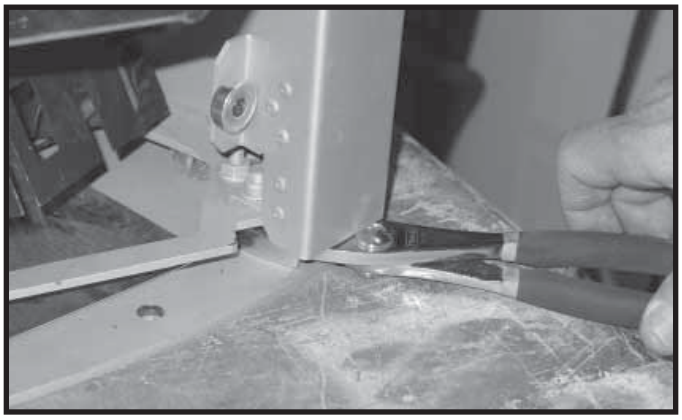


Figure 7.5

Using pliers, adjust the counter screws to level the gas stove.

E. Accessories

Install approved accessories per instructions included with accessories.

⚠ WARNING

Shock or fire risk.

Use ONLY optional accessories approved for this appliance.

- Using non-listed accessories voids warranty.
- Using non-listed accessories may result in a safety hazard.
- Only Hearth & Home Technologies approved accessories may be used safely.

F. Top to Rear Flue Conversion

KIT CONTENTS: Top cover (without hole); Back panel (with hole).

1. Remove the front door assembly by pulling bottom of front away from gas stove and lifting it off of the hooks on top of the gas stove. Set door aside.

ON TOP OF APPLIANCE:

2. Remove the top plate with hole and discard. (Figure 7.7)

Figure 7.7

3. Remove and retain the Allen head screws that hold the solid back panel in place (Figure 7.8). Remove and discard the solid back panel.

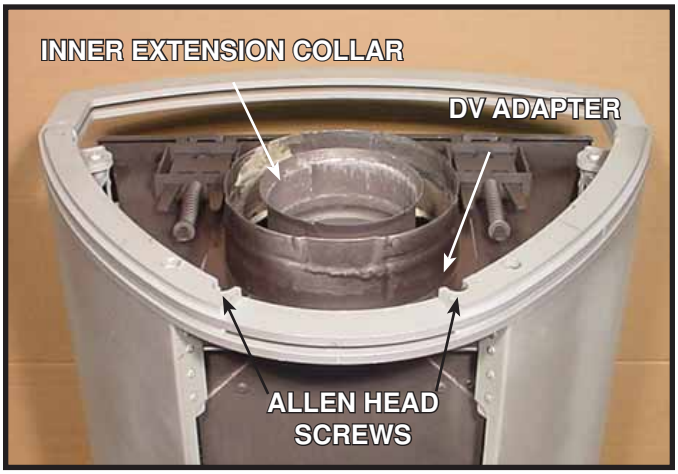


Figure 7.8

4. Remove the inner extension collar (Shown in **Figure 7.8**) and set aside.
5. Remove the four screws from the DV adapter collar (**Figure 7.8**). Set aside DV adapter collar and screws.

ON BACK OF APPLIANCE:

6. Remove the four screws from the cover plate on rear of gas stove. Set cover plate aside. Retain screws. (See **Figure 7.9**). Attach DV adapter collar in its place. Install the inner extension collar.

Figure 7.9

7. Install the cover plate with gasket to the top of gas stove with screws previously removed (**Figure 7.10**).

Figure 7.10

ON TOP OF APPLIANCE:

8. Install the new back panel (without hole) to the rear of gas stove. Replace the Allen head screws removed in Step 3 to hold the back panel in place.
9. Install the new top as shown in Figure 7.11.

Figure 7.11

G. Positioning the Logs

While still breakable, the logs do not become fragile until after the gas stove is burned and they have cured. After curing, any handling must be done with care as breakage can easily occur.

PLEASE NOTE: Logs have been designed to work specifically with the burner of this gas stove. Exact placement will ensure proper operation of your gas stove.

Figure 7.13

Figure 7.14

Place log #1 into the cradle in the burner. Lean the log back towards right corner of firebox.

Figure 7.15

Locate log #2 over the pin in log #1 and into notch in log #1. Lean the log back toward the left corner of the firebox.

H. Placing Mineral Wool

⚠ WARNING

Explosion Risk.

- Follow ember placement instructions in manual.
- Do NOT place embers directly over burner ports.
- Replace ember material annually.

Improperly placed embers interferes with proper burner operation.

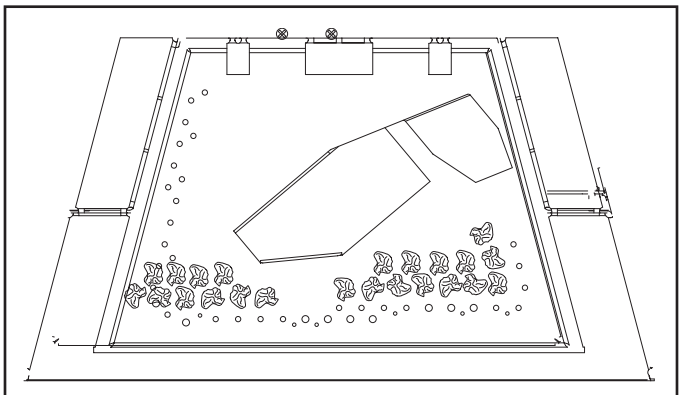


Figure 7.16

Apply 15 mm size pieces sparingly along ports as shown. Do not block ports.

8 Operating Instructions

A. Before Lighting Appliance

Read this entire manual prior to using the appliance. Failure to follow the instructions may result in property damage, bodily injury, or even death.

- Remove all shipping materials from inside and/or underneath the firebox.
- Review proper placement of logs and mineral wool.
- Check the wiring.
- Check the baffle adjustment.
- Ensure that there are no gas leaks.
- Ensure that the glass is sealed and in the proper position.
- Ensure that the flow of combustion and ventilation air is not obstructed (front grilles and flue terminations).

⚠ WARNING

Glass door must be in place when appliance is operating.

Risk of:

- Combustion Fumes
- Fire

Do NOT operate appliance with glass door removed.

- Open viewing glass for servicing only.

- Glass door MUST be in place and sealed before operating appliance.
- Only use glass door certified for use with appliance.
- Glass replacement should be done by qualified technician.

⚠ WARNING

Risk of Fire

Risk of Burns

- Do not remove guard. The guard is fitted to this appliance to reduce the risk of fire or injury from burns and no part of it should be permanently removed. For protection of young children or the infirm, a secondary guard is required.

⚠ WARNING

HOT SURFACES!
Glass and other surfaces are hot during operation AND cool down.

Hot glass will cause burns.

- Do not touch glass until it is cooled
- NEVER allow children to touch glass
- Keep children away

- CAREFULLY SUPERVISE children in same room as fireplace.
- Alert children and adults to hazards of high temperatures.

High temperatures may ignite clothing or other flammable materials.

- Keep clothing, furniture, draperies and other flammable materials away.

⚠ WARNING

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

⚠ WARNING

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

Risk of Fire

Risk of Burns

- Do not place articles on or against this appliance.
- Do not use or store flammable materials near this appliance.
- Do not spray aerosols in the vicinity of this appliance while it is in operation.

B. Lighting the Appliance

Electronic Ignition

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

B. BEFORE LIGHTING, smell all around the heater 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. Do not use this fireplace if any part has been under water. Immediately call a qualified service technician to inspect the heater and to replace any part of the control system and any gas control which has been under water.

WARNING:

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this fireplace.

This heater needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air.

If not installed, operated, and maintained in accordance with the manufacturer's instructions, this product could expose you to substances in fuel or fuel combustion.

Keep burner and control compartment clean. See installation and operating instructions accompanying heater.

CAUTION:

Hot while in operation. Do not touch. Keep children, clothing, furniture, gasoline and other liquids having flammable vapors away.

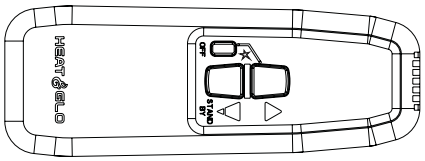
Do not operate the heater with panel(s) removed, cracked or broken. Replacement of the panel(s) should be done by a licensed or qualified service person.

NOT FOR USE WITH SOLID FUEL

For use with natural or propane gases.

LIGHTING INSTRUCTIONS

1. This heater is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.
2. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the Safety Information located on the left side of this page. If you don't smell gas, go to next step.



3. To light the burner, simultaneously press the star ✶ and up ▲ arrow buttons on the remote control until a short acoustic signal confirms the start sequence has begun.
4. If the heater will not operate, check the batteries then follow the instructions "To Turn Off Gas to Heater" and call your service technician or gas supplier.

TO TURN OFF GAS TO HEATER

1. Push the 'OFF' button on remote.
2. Remove batteries from receiver.

C. After Appliance is Lit

Initial Break-in Procedure

When you light the appliance, you may notice that it produces heat which does have an associated odor or smell. If you feel this odor is excessive it may require the initial three to four hour continuous burn on high followed by a second burn up to 12 hours to fully drive off any odor from paint and lubricants used in the manufacturing process. Condensation of the glass is normal.

NOTE: The appliance should be run three to four 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 appliance for an additional 12 hours. This will help to cure the products used in the paint and logs.

During this break-in period it is recommended that some windows in the house be opened for air circulation. This will help avoid setting off smoke detectors, and help eliminate any odors associated with the appliance's initial burning.

⚠ WARNING

Fire Risk.

High Temperatures.

Keep combustible household items away from appliance.

Do NOT obstruct combustion and ventilation air.

- Do NOT place combustible items on top of or in front of appliance.
- Keep furniture, draperies away from appliance.

CAUTION

- Prevent accidental appliance operation when not attended.
- Unplug or remove batteries from remote control if absent or if appliance will not be used for an extended period of time.
- Property damage possible from elevated temperatures.

CAUTION

Smoke and odors released during initial operation.

- Open windows for air circulation.
- Leave room during initial operation.
- Smoke may set off smoke detectors.

Smoke and odors may be irritating to sensitive individuals.

⚠ WARNING

Fire Hazard.

Keep combustible materials, gasoline and other flammable vapors and liquids clear of appliance.

- Do NOT store flammable materials in the appliance's vicinity.
- Do NOT use gasoline, lantern fuel, kerosene, charcoal lighter fluid or similar liquids in this appliance.
- Combustible materials may ignite.

D. Frequently Asked Questions

ISSUE	SOLUTIONS
Condensation on the glass	This is a result of gas combustion and temperature variations. As the gas stove warms, this condensation will disappear.
Blue flames	This is a result of normal operation and the flames will begin to yellow as the gas stove is allowed to burn for 20 to 40 minutes.
Odor from gas stove	When first operated, this gas stove may release an odor for the first several hours. This is caused by the curing of the paint and the burning off of any oils remaining from manufacturing.
Film on the glass	This is a normal result of the curing process of the paint and logs. Glass should be cleaned within 3 to 4 hours of initial burning to remove deposits left by oils from the manufacturing process. A non-abrasive cleaner such as gas stove cleaner may be necessary. See your dealer. Ensure glass has cooled before cleaning.
Metallic noise	Noise is caused by metal expanding and contracting as it heats up and cools down, similar to the sound produced by a furnace or heating duct. This noise does not affect the operation or longevity of the gas stove.

9 Maintaining and Servicing Appliance

Although the frequency of appliance servicing and maintenance will depend on use and the type of installation, a qualified service technician should perform an appliance checkup at the beginning of each heating season.

⚠ WARNING

Risk of injury or property damage.

Before servicing:

- Turn off gas.
- Remove batteries from remote control to disable it.
- Ensure appliance is completely cooled.

After servicing:

- Replace any screen or barrier that was removed.
- Reinstall and reseal any flueing removed for servicing.
- Replace batteries in remote control.

A. Front Door Glass Assembly Removal

Remove the front door assembly by pulling bottom of front away from gas stove and lifting it off of the hooks on top of the gas stove (see **Figure 8.18**).

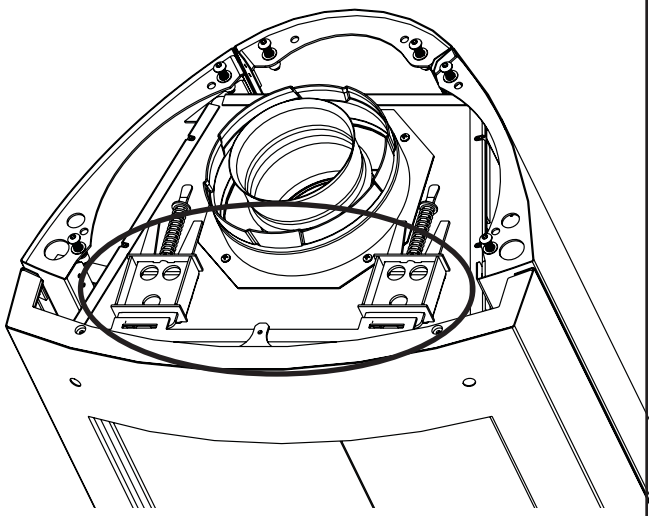


Figure 8.18

⚠ WARNING

Annual inspection by qualified technician recommended.

Check:

- Condition of glass, glass assembly and glass seal.
- Obstructions of combustion and ventilation air.
- Burner ignition and operation.
- Burner air shutter adjustment
- Gas connections and fittings.
- Obstructions of termination cap.

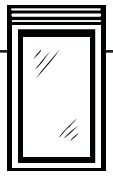
Clean:

- Glass
- Air passageways, grilles, control compartment
- Burner, burner ports

Risk of:

- Fire
- Delayed ignition or explosion
- Exposure to combustion fumes
- Odors

CAUTION



Handle glass assembly with care.

NOTE: Clean glass after initial 3-4 hours operation. **Longer operation without cleaning glass may cause a permanent white film on glass.**

When cleaning glass door:

- Avoid striking, scratching or slamming glass.
- Do NOT use abrasive cleaners.
- Use a hard water deposit glass cleaner on white film.
- Do NOT clean glass when hot.
- Turn off appliance after 3-4 hours of operation and ALLOW TO COOL.
- Remove and clean glass assembly.
- Replace glass assembly and operate appliance for additional 12 hours.

Refer to maintenance instructions.

⚠ WARNING

Inspect external vent cap regularly.

- Ensure no debris blocks cap.
- Combustible materials blocking cap may ignite.
- Restricted air flow affects burner operation.

B. Maintenance Tasks

Inspect	Maintenance Tasks
Doors	1. Inspect for scratches, dents or other damage and repair as necessary.
	2. Verify no obstructions to air flow.
	3. Verify maintenance of proper clearance to combustible household objects.
Gasket Seal, Glass Assembly and Glass	1. Inspect gasket seal and its condition.
	2. Inspect glass for scratches and nicks that can lead to breakage when exposed to heat.
	3. Confirm there is no damage to glass or glass frame, Replace as necessary.
	4. Verify that latches engage properly and glass attachment components are intact and operating properly. Replace as necessary.
	5. Clean glass. Replace glass assembly if severely coated with silicate deposits that cannot be removed.
Valve Compartment and Firebox Top	1. Vacuum and wipe out dust, cobwebs, debris or pet hair. Use caution when cleaning these areas. Screw tips that have penetrated the sheet metal are sharp and should be avoided.
	2. Remove any foreign objects.
	3. Verify unobstructed air circulation.
Logs	1. Inspect for broken, damaged, or missing logs. Replace as necessary.
	2. Verify correct log placement and no flame impingement causing sooting. Correct as necessary.
Firebox	1. Inspect for paint condition, warpage, corrosion or perforation. Sand and repaint as necessary.
	2. Replace gas stove if firebox has been perforated.
Burner Ignition and Operation	1. Verify burner is properly secured and aligned with pilot or igniter.
	2. Clean off burner top, inspect for plugged ports, corrosion or deterioration. Replace burner if necessary.
	3. Replace ember material with new 15 mm pieces. Do not block ports or obstruct lighting paths.
	4. Check for smooth lighting and ignition carryover to all ports. Verify there is no ignition delay.
	5. Inspect for lifting and other flame problems.
	6. Inspect orifice for soot, dirt or corrosion.
	7. Verify manifold and inlet pressures. Adjust regulator as required.
	8. Inspect pilot flame strength. Clean or replace orifice as necessary.
	9. Inspect thermocouple sensor rod for soot, corrosion and deterioration. Clean with emery cloth or replace as required.
	10. Verify millivolt output. Replace as necessary.
Flueing	1. Inspect flueing for blockage or obstruction such as bird nests, leaves, etc.
	2. Confirm that termination cap remains clear and unobstructed by plants, etc.
	3. Verify that termination cap clearance to subsequent construction (building additions, decks, fences or sheds) has been maintained.
	4. Inspect for corrosion or separation.
	5. Verify weather stripping, sealing and flashing remains intact.
Remote Control	1. Verify operation of remote.
	2. Replace batteries in remote transmitters and battery-powered receivers.

10 Troubleshooting

With proper installation, operation, and maintenance your gas appliance will provide years of trouble-free service. If you do experience a problem, this troubleshooting 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.

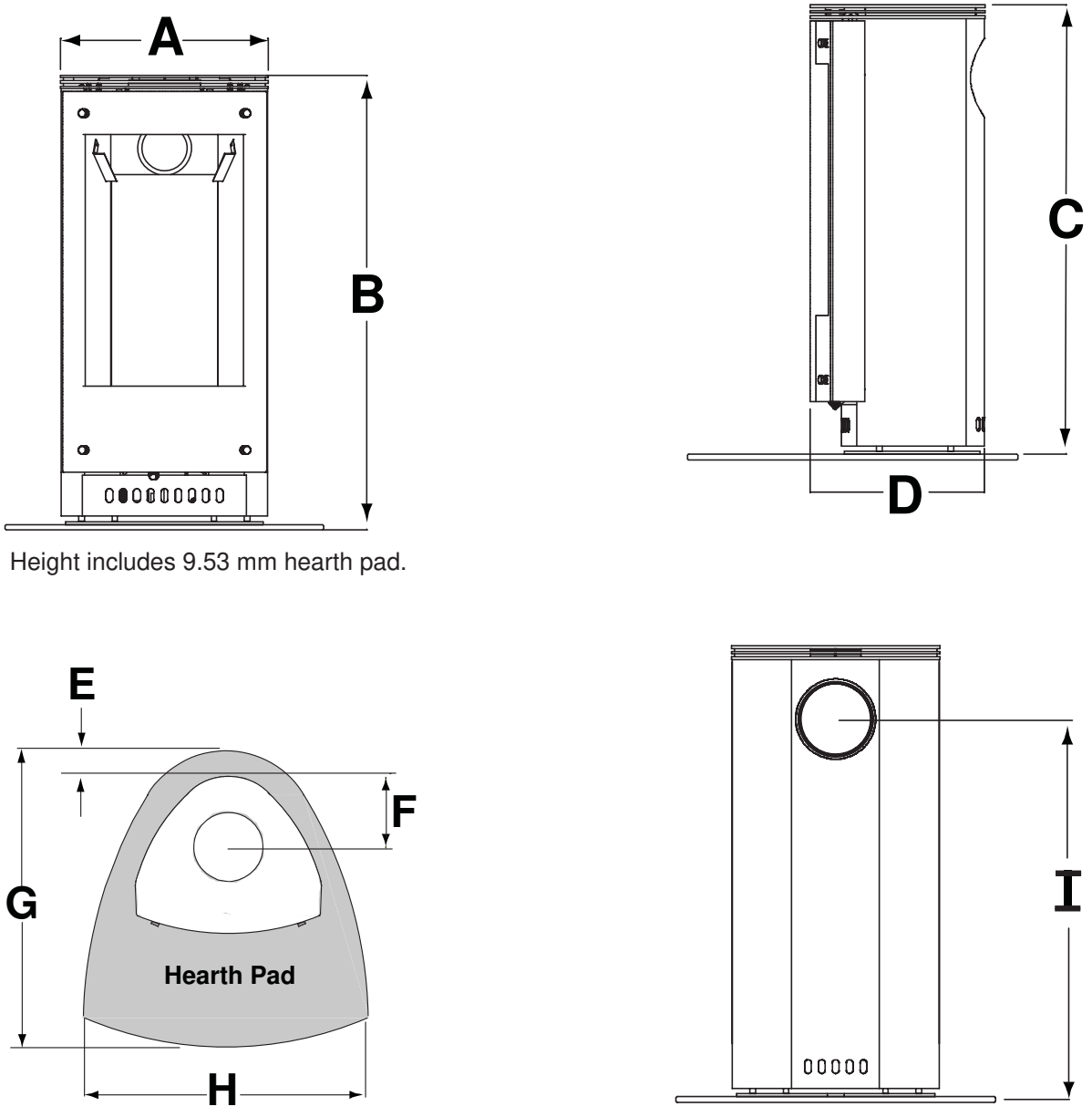
A. Electronic Ignition System

Symptom		Possible Causes		Corrective Actions
1.	No transmission, motor does not turn.	A.	Receiver must learn new code.	Press and hold the receiver's reset button until you hear 2 acoustic signals. After the second longer acoustic signal, release the reset button and within the subsequent 20 seconds, press the down arrow on the remote handset until you hear an additional long acoustic signal confirming the new code is set.
2.	No ignition. No tone.	A.	Receiver	Replace receiver and reprogram code.
3.	No ignition; one 5 seconds continuous tone (7 shorts beeps might be heard prior to the 5 seconds tone).	A.	ON/OFF switch is in OFF position.	Push switch to ON position.
		B.	Loose wire.	Secure wire.
		C.	Receiver.	Replace receiver and reprogram.
		D.	Bent pins on 8 wire connector.	Straighten pins on 8 wire connector.
		E.	Valve.	Replace valve.
4.	No pilot flame and control continues to spark.	A.	Air in the pilot supply line.	Purge the line or start ignition several times.
		B.	Thermocouple circuit wired incorrectly.	Check polarity of the thermocouple wires.
		C.	No spark at pilot burner.	Check spark gap, check wiring connection. Check for spark in location along cable.
		D.	Valve.	Replace valve. Do not over tighten.
		E.	Over tightened thermocouple interrupter.	Replace valve and thermocouple interrupter.
		F.	Receiver.	Replace receiver and reprogram code.
5.	Pilot is lit and control continues to spark. Valve shuts off after 10-30 seconds. Valve operates manually.	A.	Receiver.	Replace receiver and reprogram code.
6.	Pilot is lit, sparking stops if a flame is present. Valve shuts off after 10-60 seconds. Valve does not work manually.	A.	Thermocouple.	Replace thermocouple.
		B.	Low inlet pressure to valve.	Confirm sufficient inlet pressure to the valve. Adjust or replace inlet regulator if necessary.
		C.	Valve.	Replace valve. Do not tighten the thermocouple interrupter.
7.	3 short beeps while the motor turns.	A.	Batteries are low.	Replace batteries - quality alkaline recommended. **WARNING:** Creating an electrical short between the batteries/battery box and metal parts of the appliance may render the receiver inoperable.
8.	Pilot flame lights but there is no main gas flow.	A.	Manual override know (if equipped) is in MAN position.	Turn Manual override know to ON position.
		B.	Valve turned don to pilot flow.	Turn flame to high fire by pressing up button on remote handset.
		C.	Low inlet pressure to valve.	Confirm sufficient inlet pressure to the valve. Adjust or replace inlet regulator if necessary.
		D.	Valve.	Replace valve.
9.	Pilot sparks, but pilot will not light.	A.	Correct gas supply.	Verify that incoming gas line ball valve is "open". Verify that inlet pressure reading is within acceptable limits, inlet pressure must not exceed 5 kPa.
		B.	Ignitor gap is too large.	Verify that spark gap from ignitor to pilot hood is .43 cm.
		C.	Module is not grounded.	Verify module is securely grounded to metal chassis of stove.

11 Reference Materials

A. Appliance Dimension Diagram Without Stone Surround

Dimensions are actual appliance dimensions. Use for reference only. For framing dimensions and clearances refer to Section 3.

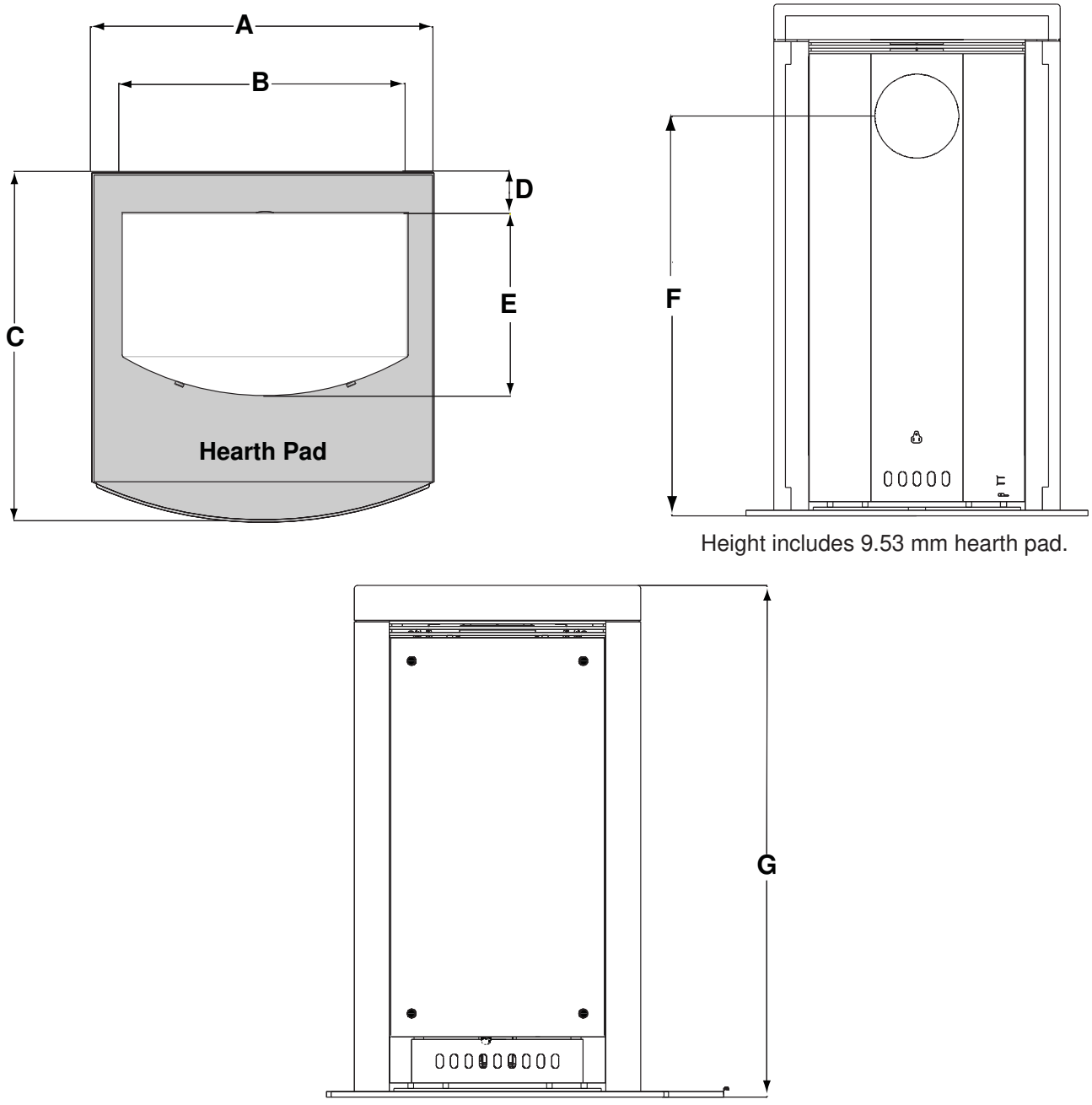


Height includes 9.53 mm hearth pad.

	A	B	C	D	E	F	G	H	I
Millimeters	479	1035	1025	403	76	181	762	733	857

Figure 11.1 Appliance Dimensions

B. Appliance Dimension with Stone Surround Diagram



	A	B	C	D	E	F	G
Millimeters	753	620	768	83	428	867	1126

Figure 11.2 Appliance Dimensions with Stone Surround

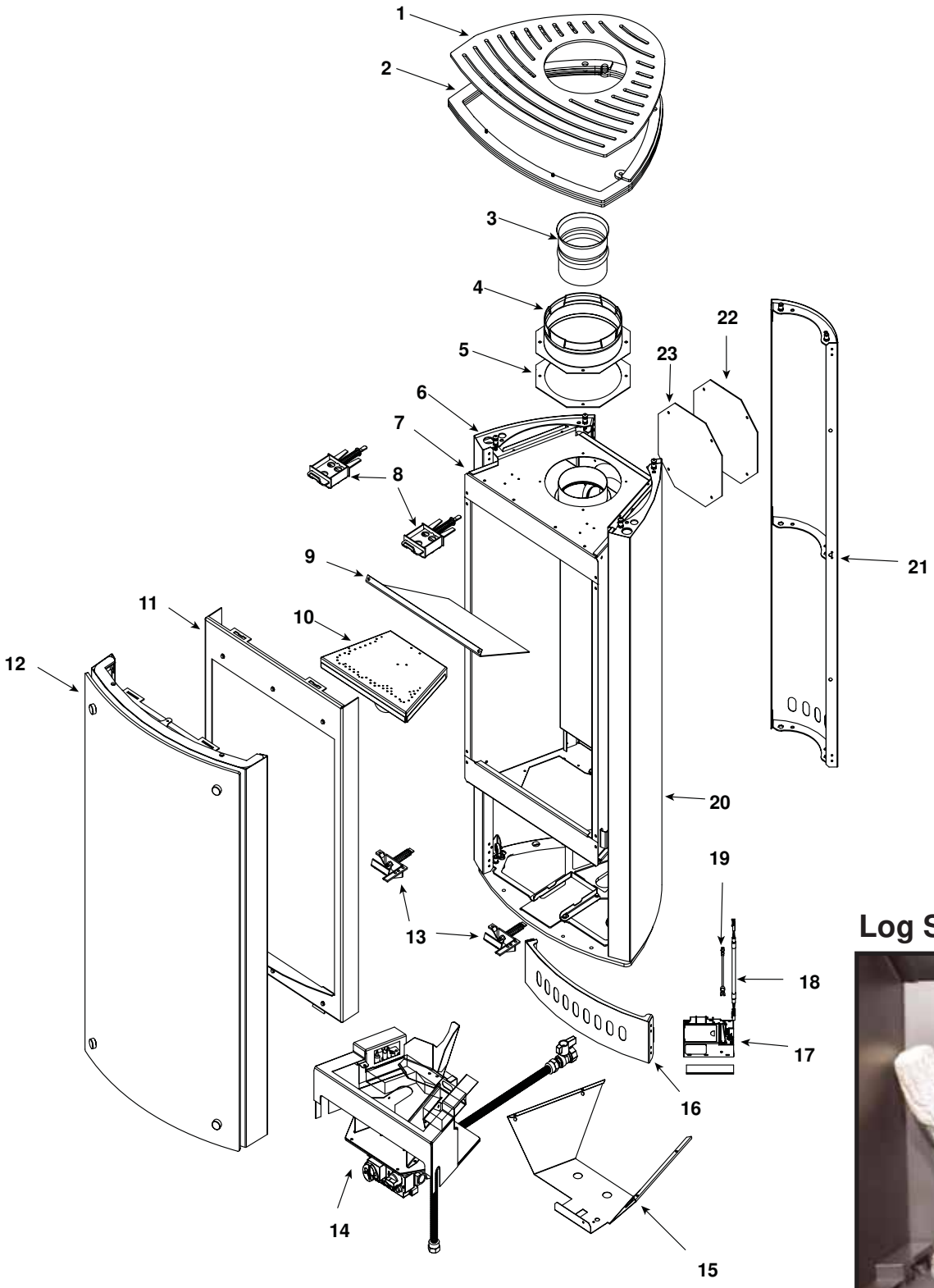
C. Flue Components List

COMPONENTS	
SLP-WT-BK	Ceiling Support / Wall Thimble, Black
SLP6-BK	152 mm Pipe Length, Black
SLP4-BK	230 mm Pipe Length, Black
SLP12-BK	305 mm Pipe Length, Black
SLP34-BK	610 mm Pipe Length, Black
SLP36-BK	914 mm Pipe Length, Black
SLP48-BK	122 mm Pipe Length, Black
SLP6A-BK	280 mm - 371.5 mm Pipe Length, Black
SLP12A-BK	305 mm - 432 mm Pipe, Adjustable, Black
SLP45-BK	45 degree Elbow, Black
SLP90-BK	90 degree Elbow, Black
SLP4	101.6 mm Pipe
SLP6	152 mm Pipe
SLP12	305 mm Pipe
SLP24	610 mm Pipe
SLP36	914 mm Pipe
SLP48	1.22 M Pipe
SLP45	45 degree Elbow
SLP90	90 degree Elbow
SLP6A	76 - 152 mm. Adjustable Pipe Extension
SLP12A	76 - 305 mm Adjustable Pipe Extension
SLP-RF6	0/12 - 6/12 Roof Flashing
SLP-RF12	7/12 - 12/12 Roof Flashing
SL-SCD	Storm Collar
SLP-FS	Ceiling Firestop
SLP-WS	Wall Firestop
SLP-HVS	Pipe Support Hanger
950	Vinyl Protector Kit - SLP Pipe
DRC-RADIUS	Decorative Radius Cover
HTI-DV-WT	Wall Thimble

TERMINATION KITS	
SLP-TRAP2	Trapezoid Termination Kit
SLP-TVHW	Vertical Termination Cap - High Wind
SLP-SK-BK	Horizontal Termination Kit (includes 904B, 930D, SLK-01TRD)
LINK-STOVE	Adapter Kit (includes 9.14M of 101.6 mm flex, adapters, wall thimble, masonry & ZC flashing, 991DA cap and hardware package
VPK-DV	Vinyl Siding Protector Kit

Service Parts Diagram
VRT-GY-N-AU, VRT-BZ-N-AU
VRT-GY-P-AU, VRT-BZ-P-AU

Beginning Manufacturing Date: July 2007
Ending Manufacturing Date: _____



Log Set Assembly

Part number list on following page.

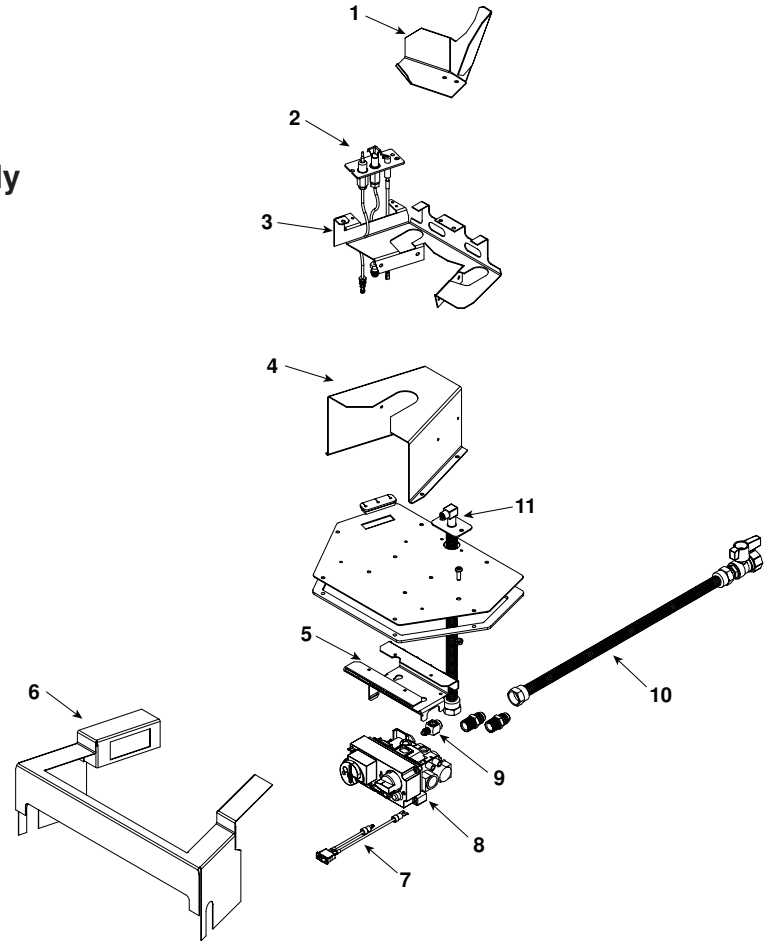
D. Service Parts List VRTIKL-AU

IMPORTANT: THIS IS DATED INFORMATION. When requesting service or replacement parts for your appliance please provide model number and serial number. All parts listed in this manual may be ordered from an authorized dealer.

ITEM	DESCRIPTION	COMMENTS	PART NUMBER
	Log Set Assembly		7031-033
1	Removable Top Assembly Top Vent		2123-012
	Removable Top Assembly Rear Vent	Pre May 2008	2123-035
		Post May 2008	2123-025
2	Top Assembly		7031-013
3	Adaptor 4 inch flue collar		200-2470
4	DV Adaptor		7000-162
5	Adaptor Gasket		460-0610
6	Side Assembly Left		2123-027
7	Firebox Assembly		2123-004
8	Latch Assembly Upper		7003-006
9	Baffle		2123-017
10	Burner N		2123-017
	Burner P		2123-022
11	Glass Frame Assembly		2123-005
12	Front Door Assembly	Bronze	2123-028
		Gray	2123-016
13	Latch Assembly Lower		386-122A
14	Firebox Bottom Assembly N		2123-002
	Firebox Bottom Assembly P		2123-003
15	Air Deflector	Pre Apr 2008	2123-157
		Post Apr 2008	2123-185
16	Access Door Assembly		7031-023
17	Control Module		2098-142
18	Control Cable, 8 Pin Connector		2098-143
19	Control Wire		2098-148
20	Side Assembly Right		2123-026
21	Back Panel Assembly Top Vent		7031-021
	Back Panel Assembly Rear Vent	Pre May 2008	7031-071
		Post May 2008	7031-022
22	Cover Plate		7010-159
23	Cover Plate Gasket		7010-160
	Bottom Plate Assembly		2123-015
	Blower Bracket		7031-194

Additional service part numbers appear on following page.

Valve Assembly



IMPORTANT: THIS IS DATED INFORMATION. When requesting service or replacement parts for your appliance please provide model number and serial number. All parts listed in this manual may be ordered from an authorized dealer.

ITEM	DESCRIPTION	COMMENTS	PART NUMBER
1	Log Bracket		7031-282
2	Pilot Assembly N		2098-050
	Pilot Assembly P		2098-051
3	Pilot Bracket		2123-140
4	Burner Support		7031-279
5	Valve Bracket		2111-186
6	Burner Shelf		2123-126
7	Switch Assembly, Maxitrol		2098-145
8	Valve N		2098-130
	Valve P		2098-131
9	Thermocouple Block		2098-146
10	Flex Gas Connector		2098-320A
11	Flex Tube Assembly		383-302A
	Orifice N (#39C)		582-839
	Orifice P (.057C)		582-057

Additional service part numbers appear on following page.

➔ E. Limited Lifetime Warranty

Hearth & Home Technologies Inc.
LIMITED LIFETIME WARRANTY

Hearth & Home Technologies Inc., on behalf of its hearth brands (”HHT”), extends the following warranty for HHT gas, wood, pellet, coal and electric hearth appliances that are purchased from an HHT authorized dealer.

WARRANTY COVERAGE:

HHT warrants to the original owner of the HHT appliance at the site of installation, and to any transferee taking ownership of the appliance at the site of installation within two years following the date of original purchase, that the HHT appliance will be free from defects in materials and workmanship at the time of manufacture. After installation, if covered components manufactured by HHT are found to be defective in materials or workmanship during the applicable warranty period, HHT will, at its option, repair or replace the covered components. HHT, at its own discretion, may fully discharge all of its obligations under such warranties by replacing the product itself or refunding the verified purchase price of the product itself. The maximum amount recoverable under this warranty is limited to the purchase price of the product. This warranty is subject to conditions, exclusions and limitations as described below.

WARRANTY PERIOD:

Warranty coverage begins on the date of installation. In the case of new home construction, warranty coverage begins on the date of first occupancy of the dwelling or six months after the sale of the product by an independent, authorized HHT dealer/ distributor, whichever occurs earlier. The warranty shall commence no later than 24 months following the date of product shipment from HHT, regardless of the installation or occupancy date. The warranty period for parts and labor for covered components is produced in the following table.

The term “Limited Lifetime” in the table below is defined as: 20 years from the beginning date of warranty coverage for gas appliances, and 10 years from the beginning date of warranty coverage for wood, pellet, and coal appliances. These time periods reflect the minimum expected useful lives of the designated components under normal operating conditions.

Warranty Period		HHT Manufactured Appliances and Venting							Components Covered
Parts	Labor	Gas	Wood	Pellet	EPA Wood	Coal	Electric	Venting	
1 Year		X	X	X	X	X	X	X	All parts and material except as covered by Conditions, Exclusions, and Limitations listed
2 years				X	X	X			Igniters, electronic components, and glass
		X	X	X	X	X			Factory-installed blowers
			X						Molded refractory panels
3 years				X					Firepots and burnpots
5 years	1 year			X	X				Castings and baffles
7 years	3 years		X	X	X				Manifold tubes, HHT chimney and termination
10 years	1 year	X							Burners, logs and refractory
Limited Lifetime	3 years	X	X	X	X	X			Firebox and heat exchanger
90 Days		X	X	X	X	X	X	X	All replacement parts beyond warranty period

See conditions, exclusions, and limitations on next page.

WARRANTY CONDITIONS:

- This warranty only covers HHT appliances that are purchased through an HHT authorized dealer or distributor. A list of HHT authorized dealers is available on the HHT branded websites.
- This warranty is only valid while the HHT appliance remains at the site of original installation.
- Contact your installing dealer for warranty service. If the installing dealer is unable to provide necessary parts, contact the nearest HHT authorized dealer or supplier. Additional service fees may apply if you are seeking warranty service from a dealer other than the dealer from whom you originally purchased the product.
- Check with your dealer in advance for any costs to you when arranging a warranty call. Travel and shipping charges for parts are not covered by this warranty.

WARRANTY EXCLUSIONS:

This warranty does not cover the following:

- Changes in surface finishes as a result of normal use. As a heating appliance, some changes in color of interior and exterior surface finishes may occur. This is not a flaw and is not covered under warranty.
- Damage to printed, plated, or enameled surfaces caused by fingerprints, accidents, misuse, scratches, melted items, or other external sources and residues left on the plated surfaces from the use of abrasive cleaners or polishes.
- Repair or replacement of parts that are subject to normal wear and tear during the warranty period. These parts include: paint, wood, pellet and coal gaskets; firebricks; grates; flame guides; and the discoloration of glass.
- Minor expansion, contraction, or movement of certain parts causing noise. These conditions are normal and complaints related to this noise are not covered by this warranty.
- Damages resulting from: (1) failure to install, operate, or maintain the appliance in accordance with the installation instructions, operating instructions, and listing agent identification label furnished with the appliance; (2) failure to install the appliance in accordance with local building codes; (3) shipping or improper handling; (4) improper operation, abuse, misuse, continued operation with damaged, corroded or failed components, accident, or improperly/incorrectly performed repairs; (5) environmental conditions, inadequate ventilation, negative pressure, or drafting caused by tightly sealed constructions, insufficient make-up air supply, or handling devices such as exhaust fans or forced air furnaces or other such causes; (6) use of fuels other than those specified in the operating instructions; (7) installation or use of components not supplied with the appliance or any other components not expressly authorized and approved by HHT; (8) modification of the appliance not expressly authorized and approved by HHT in writing; and/or (9) interruptions or fluctuations of electrical power supply to the appliance.
- Non-HHT venting components, hearth components or other accessories used in conjunction with the appliance.
- Any part of a pre-existing fireplace system in which an insert or a decorative gas appliance is installed.
- HHT's obligation under this warranty does not extend to the appliance's capability to heat the desired space. Information is provided to assist the consumer and the dealer in selecting the proper appliance for the application. Consideration must be given to appliance location and configuration, environmental conditions, insulation and air tightness of the structure.

This warranty is void if:

- The appliance has been over-fired or operated in atmospheres contaminated by chlorine, fluorine, or other damaging chemicals. Over-firing can be identified by, but not limited to, warped plates or tubes, rust colored cast iron, bubbling, cracking and discoloration of steel or enamel finishes.
- The appliance is subjected to prolonged periods of dampness or condensation.
- There is any damage to the appliance or other components due to water or weather damage which is the result of, but not limited to, improper chimney or venting installation.

LIMITATIONS OF LIABILITY:

- The owner's exclusive remedy and HHT's sole obligation under this warranty, under any other warranty, express or implied, or in contract, tort or otherwise, shall be limited to replacement, repair, or refund, as specified above. In no event will HHT be liable for any incidental or consequential damages caused by defects in the appliance. Some states do not allow exclusions or limitation of incidental or consequential damages, so these limitations may not apply to you. This warranty gives you specific rights; you may also have other rights, which vary from state to state. EXCEPT TO THE EXTENT PROVIDED BY LAW, HHT MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY SPECIFIED HEREIN. THE DURATION OF ANY IMPLIED WARRANTY IS LIMITED TO DURATION OF THE EXPRESSED WARRANTY SPECIFIED ABOVE.

F. Contact Information

HEAT&GLO™

No one builds a better fire

Heat & Glo, a brand of Hearth & Home Technologies, Inc.
20802 Kensington Boulevard
Lakeville, MN 55044, USA

CAUTION

Do NOT discard this manual.

- Important operating and maintenance instructions included.
- Read, understand and follow these instructions for safe installation and operation.
- Leave this manual with party responsible for use and operation.

Please contact your Heat & Glo dealer
with any questions or concerns.
For the location of your nearest Heat & Glo dealer,
please visit www.heatnglo.com

For Service or Replacement Parts Contact:

Melbourne
Jetmaster
444 Swan Street
Richmond 3121
(03) 9429-5573

Perth
Fireplace Corner
277 Lord Street
East Perth 6000
(08) 9228-2600

Sydney
Jetmaster
10 Martin Avenue
Arncliff 2205
(02) 9597-7222

Your Records for Model:

VRTIKL-AU Balanced Flue Gas Appliance

DEALERSHIP WHERE PURCHASED:

SERIAL NUMBER: _____ _____

DATE PURCHASED: _____ _____

DATE INSTALLED: _____ _____

DEALER TELEPHONE: _____

THIS PRODUCT MAY BE COVERED BY ONE OR MORE OF THE FOLLOWING PATENTS:
(United States) 4593510, 4686807, 4766876, 4793322, 4811534, 5000162, 5016609, 5076254, 5113843, 5191877, 5218953, 5263471, 5328356, 5341794, 5347983, 5429495, 5452708, 5542407, 5601073, 5613487, 5647340, 5688568, 5762062, 5775408, 5890485, 5931661, 5941237, 5947112, 5996575, 6006743, 6019099, 6048195, 6053165, 6145502, 6170481, 6237588, 6296474, 6374822, 6413079, 6439226, 6484712, 6543698, 6550687, 6601579, 6672860, 6688302B2, 6715724B2, 6729551, 6736133, 6748940, 6748942, D320652, D445174, D462436; (Canada) 1297749, 2195264, 2225408; (Australia) 543790;586383; (Mexico) 97-0457; (New Zealand) 200265; or other U.S. and foreign patents pending.