Owners & Installation Manual

Masport®

P33 Gas Inbuilt

Roma

Model:
P33R-NG1
P33R-LPG1

WARNING: **Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to this manual. For assistance or additional information consult an authorised installer, service agency or the gas supplier.**	**FOR YOUR SAFETY** **What to do if you smell gas:** ● **Do not try to light any appliance** ● **Do not touch any electrical switch: do not use any phone in your building.** ● **Immediately call your gas supplier from a neighbour's phone. Follow the gas supplier's instructions.** ● **If you cannot reach your gas supplier, call the fire department.**
FOR YOUR SAFETY **Do not store or use gasoline or other flammable vapours and liquids in the vicinity of this or any other appliance.**	
Installation and service must be performed by an authorised installer, service agency or the gas supplier.	

LISTINGS AND CODE APPROVALS

These gas appliances have been tested in accordance with AG 103, NZS 5262 and have been certified by the Australian Gas Association for installation and operation as described in these Installation and Operating Instructions.

Your unit should be serviced annually by an authorised service person.

Head Office - New Zealand
1-37 Mt Wellington Hwy.Panmure,
P.O. Box 14349
Auckland 6.

Australia
P.O. Box 533
Braeside, Victoria, 3195

To the New Owner:

Congratulations!

You are the owner of a state-of-the-art Gas Fireplace by MASPORT LTD. The P33R-1 has been designed to provide you with all the warmth and charm of a wood fireplace at the flick of a switch. The model P33R-1 has been approved by Warnock Hersey for both safety and efficiency. As it also bears our own mark, it promises to provide you with economy, comfort and security for many trouble free years to follow. Please take a moment now to acquaint yourself with these instructions and the many features of your Masport Fireplace.

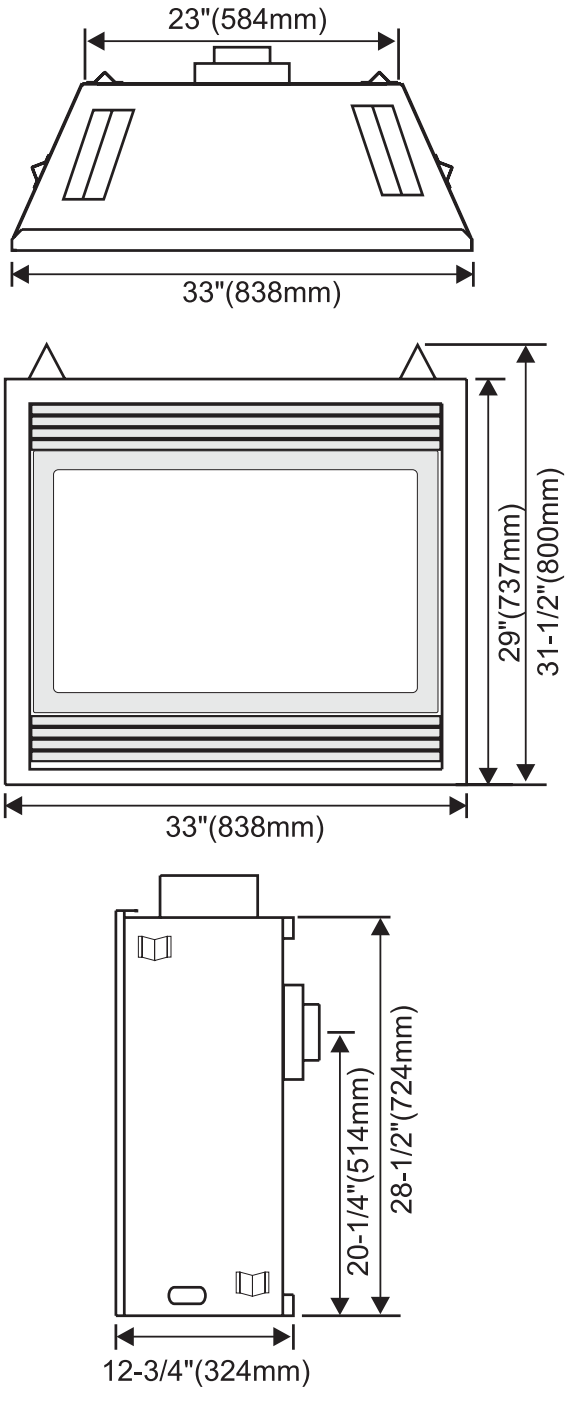


TABLE OF CONTENTS

SAFETY LABEL

This is a copy of the label that accompanies each P33R-1 Zero Clearance Room Sealed Gas Fireplace. We have printed a copy of the contents here for your review. The safety label is located on the front inside base of the unit, visible when the bottom louvre is open.

NOTE: Masport units are constantly being improved. Check the label on the unit and if there is a difference, the label on the unit is the correct one.

Masport Gas Fireplace

Model	○	○
Gas Type	**NG**	**LPG**
Model	**P33-NG**	**P33-LPG**
Gas Consumption	22mj.	22mj.
Manifold Pressure	0.95kPa	2.74kPa
Injector Size	1x#45	1x#52
	2.08mm	1.61mm

Tested to CAN/CGA -2.17-M91, ANSI Z21.88b-1999/CSA 2.33b-M99

Distributed by:

Masport Pty. Ltd.
PO Box 533
Braeside, Victoria. 3195

Masport Ltd.
1-37 Mt. Wellington H/Way
Auckland 6

To be installed by an authorised person in accordance with installation instructions provided with the appliance

Electrical: 240VAC 50Hz 1.0 amp max.

N2134

Serial Number 251

918-200a 12/03

IMPORTANT: SAVE THESE INSTRUCTIONS

The P33R-NG1 or P33R-LPG1 Room Sealed Fireplace must be installed in accordance with AG 601 or NZS 5621 and these instructions. Carefully read all the instructions in this manual first. Consult the "authority having jurisdiction" to determine the need for a permit prior to starting the installation. It is the responsibility of the installer to ensure this fireplace is installed in compliance with manufacturer's instructions and all applicable codes.

BEFORE YOU START

NOTE: NOT INTENDED AS A FIREPLACE INSERT.

INSTALLATION AND REPAIR SHOULD BE DONE BY AN AUTHORIZED SERVICE PERSON. THE APPLIANCE SHOULD BE INSPECTED BEFORE USE AND AT LEAST ANNUALLY BY A PROFESSIONAL SERVICE PERSON. MORE FREQUENT CLEANING MAY BE REQUIRED DUE TO EXCESSIVE LINT FROM CARPETING, BEDDING MATERIAL, ETC. IT IS IMPERATIVE THAT CONTROL COMPARTMENTS, BURNERS AND CIRCULATING AIR PASSAGEWAYS OF THE APPLIANCE BE KEPT CLEAN.

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

WARNING: FAILURE TO INSTALL THIS APPLIANCE CORRECTLY WILL VOID YOUR WARRANTY AND MAY CAUSE A SERIOUS HOUSE FIRE.

CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARDS OF HIGH SURFACE TEMPERATURES, ESPECIALLY THE FIREPLACE GLASS, 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.

CLOTHING OR OTHER FLAMMABLE MATERIAL SHOULD NOT BE PLACED ON OR NEAR THE APPLIANCE.

GENERAL SAFETY INFORMATION

1) The appliance installation must conform with local codes or, in the absence of local codes, with the current AG 601 and NZS 5261 Installation Codes.

2) The appliance when installed, must be electrically grounded in accordance with local codes, or in the absence of local codes with the current National Electrical Code, ANSI/NFPA 70 or CSA C22.1 Canadian Electrical Code.

3) See general construction and assembly instructions. The appliance and flue should be enclosed.

4) This appliance must be connected to the specified flue and termination cap to the outside of the building envelope. Never flue to another room or inside a building. Make sure that the flue is fitted as per Flueing instructions.

5) Inspect the flueing system annually for blockage and any signs of deterioration.

6) Flueing terminals shall not be recessed into a wall or siding.

7) Any safety glass removed for servicing must be replaced prior to operating the appliance.

8) To prevent injury, do not allow anyone who is unfamiliar with the operation to use the fireplace.

9) Wear gloves and safety glasses for protection while doing required maintenance.

10) Be aware of electrical wiring locations in walls and ceilings when cutting holes for termination.

11) Under no circumstances should this appliance be modified. Parts that have to be removed for servicing should be replaced prior to operating this appliance.

12) Installation and any repairs to this appliance should be done by an authorized service person. A professional service person should be called to inspect this appliance annually. Make it a practice to have all of your gas appliances checked annually.

13) Do not slam shut or strike the glass door.

14) Under no circumstances should any solid fuels (wood, paper, cardboard, coal, etc.) be used in this appliance.

15) The appliance area must be kept clear and free of combustible materials, (gases and other flammable vapours and liquids).

MANUFACTURED MOBILE HOME ADDITIONAL REQUIREMENTS

1) Ensure that structural members are not cut or weakened during installation.

2) Ensure proper grounding using the #8 ground lug provided. See page 23.

INSTALLATION

INSTALLATION CHECKLIST

1) Locate appliance
   a) Room location, page 6
   b) Clearances to Combustibles, page 6
   c) Mantle Clearances, page 7
   d) Framing & Finishing Requirements, page 8
   e) Flueing Requirements, pages 10 to 16.

2) Assemble Top Facing Support and Side Nailing Strips, page 9. (NOTE: must be done before installing unit into fireplace.)

3) Install flue, pages 10 to 16.

4) Make gas and electrical connections. Test the pilot. Must be as per diagram. Page 17. Convert to LPG if desired, page 18.

5) Install brick panels (optional), page 19.

6) Install log set, page 19.

7) Install Flush Door Front (Standard) and optional Flush Gold Trim, page 20.

8) Install Louvres, page 21.

9) Install optional Remote Control, or Wall Thermostat, page 22.

10) Final check.

Before leaving this unit with the customer, the installer must ensure that the appliance is firing correctly and operation fully explained to customer.

This includes:

1) Clocking the appliance to ensure the correct firing rate (rate noted on label) after burning appliance for 15 minutes.

2) If required, adjusting the primary air to ensure that the flame does not carbon. First allow the unit to burn for 15-20 min. to stabilize.

CAUTION: Any alteration to the product that causes sooting or carboning that results in damage is not the responsibility of the manufacturer.

LOCATING YOUR GAS STOVE

1) When selecting a location for your stove, ensure that the clearances outlined on this page are met.

2) Provide adequate clearances for servicing.

3) The appliance must be installed on a flat, solid, continuous surface (e.g. wood, metal, concrete). This may be the floor, or raised up on a platform to enhance its visual impact. If the appliance is going to be installed on carpeting, combustible linoleum tile or other combustible material other than wood flooring, the appliance must be installed on a metal or wood panel extending the full width and depth of the appliance.

4) The P33R-1 Room Sealed Gas Fireplace can be installed in a recessed position or framed out into the room as in A, B, C, D. See Diagram 1.

5) This appliance is Listed for bedroom installations when used with a Listed Millivolt Thermostat. Some areas may have further requirements, check local codes before installation.

6) The P33R-1 Room Sealed Gas Fireplace is approved for alcove installations, which meet the clearances listed on this page.

7) We recommend that you plan your installation on paper using exact measurements for clearances and floor protection before actually installing this appliance. Have an authorized inspector, dealer, or installer review your plans before installation.

Note: For flue terminations see page 10.

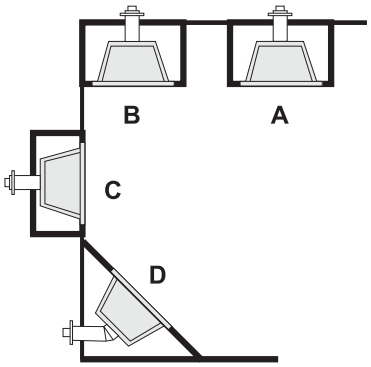


Diagram 1

A) Flat on Wall
B) Flat on Wall Corner
C) Recessed into Wall/Alcove
D) Corner

CLEARANCES

The clearances listed below are Minimum distances unless otherwise stated:

A major cause of chimney related fires is failure to maintain required clearances (air space) to combustible materials. It is of the greatest importance that this fireplace and flue system be installed only in accordance with these instructions.

Clearance to Combustibles from:

Back	0"	(0mm)
Side	0"	(0mm)
Floor	0"	(0mm)

NOTE: The minimum floor clearance must be maintained from the top surface of the carpeting, tile, etc.

Minimum Clearance from Top of Unit to:

Mantel*	min. 7"	(177mm)
Ceiling	30"	(762mm) from top of unit.

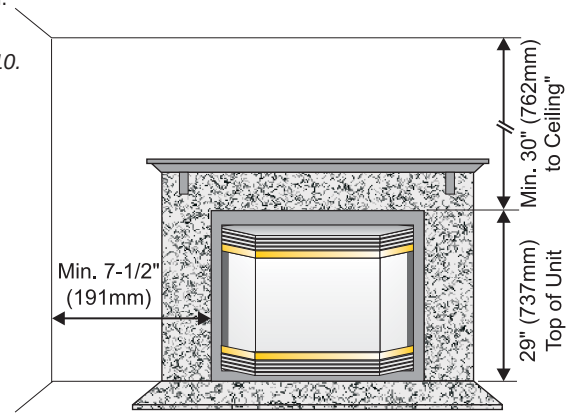
Side Wall Clearance

Bay or Flush Front	7-1/2"	(191mm)
Flue	1-1/2"	(38mm) Flex

Alcove Clearances:

Max. Depth	36"	(914mm)
Min. Width	48"	(1219mm)
Min. Height	59"	(1499mm)

* see mantle clearance instructions (page 7).



Clearances for Bay or Flush Front

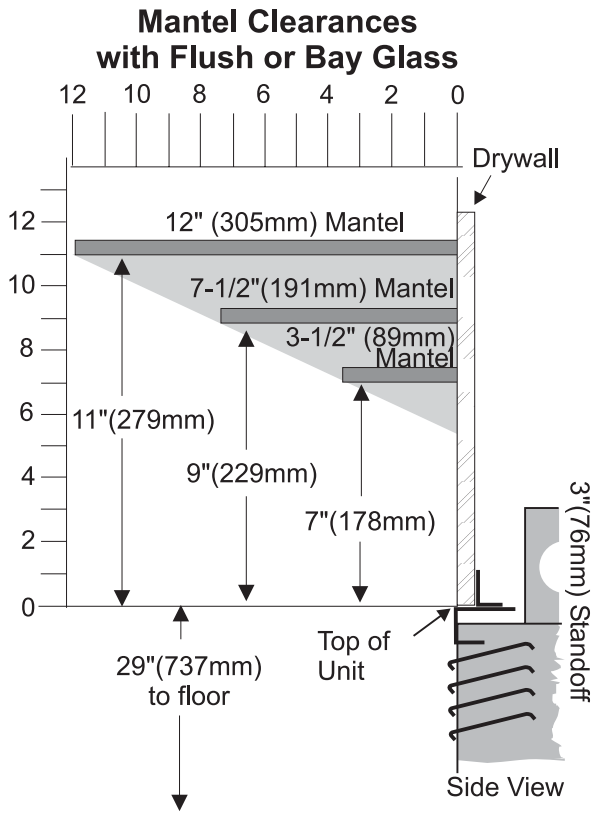
WARNING
Fire hazard is an extreme risk if these clearances are not adhered to.

COMBUSTIBLE MANTELS

Because of the extreme heat this fireplace emits, the mantel clearances are critical. Combustible mantel clearances from top of unit are shown in the diagram below.

This drawing is to scale at 1:6 (one inch = 6 inches). Mantel can be installed anywhere in shaded area or higher using the above scale.

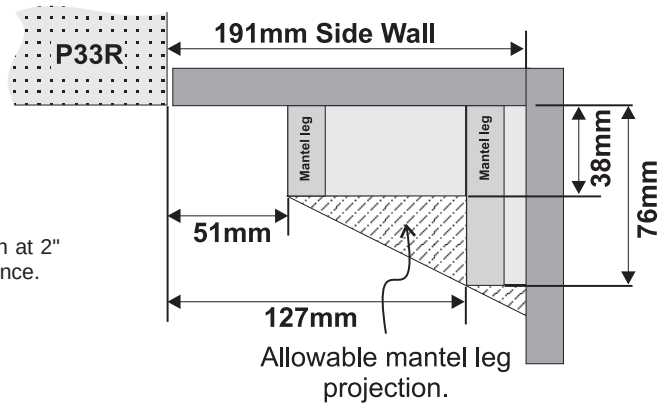
Note:
Ensure that both the material and finished surface (paint) are heat resistant (min. 85°C) or material may distort and paint may discolor.



MANTEL LEG CLEARANCES

Combustible mantel leg clearances as per diagram below:

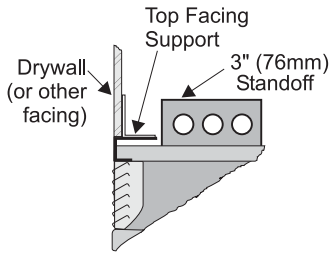
Maximum
1-1/2" projection at 2" minimum clearance.



FRAMING AND FINISHING

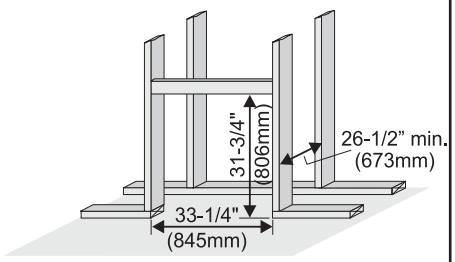
1) Determine the total thickness of facing material (e.g. drywall plus ceramic tiles) to allow the finished surface to be flush with the front of the unit. Total facing thickness can vary from 1/2" (13mm) to 1-1/4" (32mm) thick.

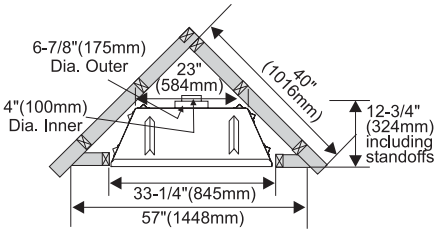
Install Side Nailing Strips, and Top Facing Support before unit is slipped into position. See page 9 for assembly details.



2) Frame in the enclosure for the unit with framing material.

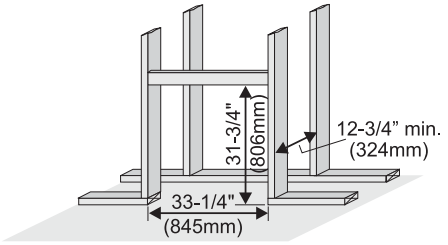
Vertical Termination or Vertical Rise with Horizontal Termination

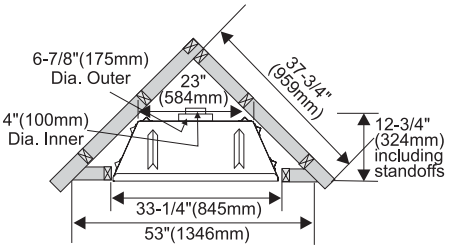




NOTE: If this is an outside corner, the minimum distance between the vent and the outside corner is 6" (15cm) with AstroCap termination cap.

Rear Termination





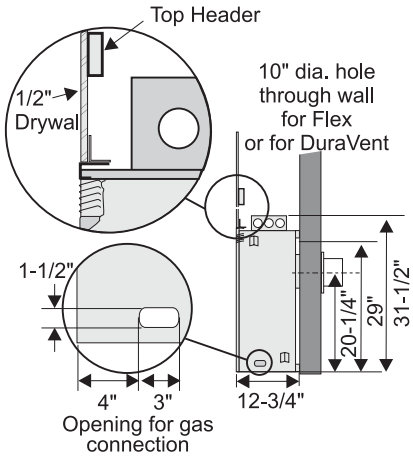
NOTE: If this is an outside corner, the minimum distance between the vent and the outside corner is 6" (15cm) with AstroCap termination cap or 12" (30cm).

3) For exterior walls, insulate the enclosure to the same degree as the rest of the house, apply vapour barrier and drywall, as per local installation codes. **(Do not insulate the fireplace itself.)**

4) The top of the unit must not be closer than 30" (762mm) to the ceiling.

5) Combustible material may be brought up to the top and sides of the unit and be covered with ceramic tiles, bricks, rock or other suitable combustible finishing materials.

Note: The unit does not have to be completely enclosed in a chase. The clearance on top of the unit is 0" to the standoffs so combustible building materials can be laid directly on top of the standoffs. You must maintain 1-1/2" (38mm) clearance from the vent to combustible materials for flex.



6) Use steel studs for framing where the 1-1/2" (38mm) clearance from the vent to combustibe material cannot be maintained.

NOTE

These are framing dimensions only, NOT finished wall dimensions.

Gas is supplied from the right hand side and the power from the left hand side.

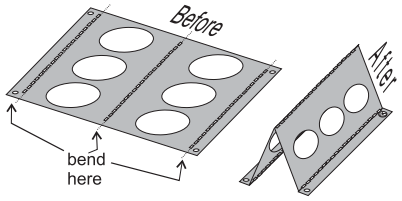
Ensure depth of register and outer wall allow for minimum horizontal flue length of 203mm.

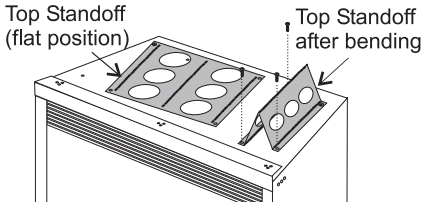
UNIT ASSEMBLY PRIOR TO INSTALLATION

The Top Facing Support, the Side Nailing Strips and the 2 Top Standoffs must be correctly positioned and attached to the top before unit is slipped into position.

Top Standoff Assembly

The top standoffs are shipped in a flat position and must be pulled up and bent into the correct shape. Setup each of the 2 Top Standoff by bending up at the bend lines until the screw hole in the standoff and the pre-punched screw holes on the top line up. Use three more screws per standoff to attach securely to the top.





Top Facing Support & Side Nailing Strips

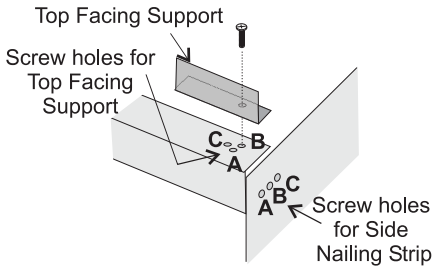
Determine the total thickness of facing material (e.g. drywall plus ceramic tiles) to allow the finished surface to be flush with the front of the unit. Total facing thickness can vary from 1/2" (13mm) to 1-1/4" (32mm) thick.

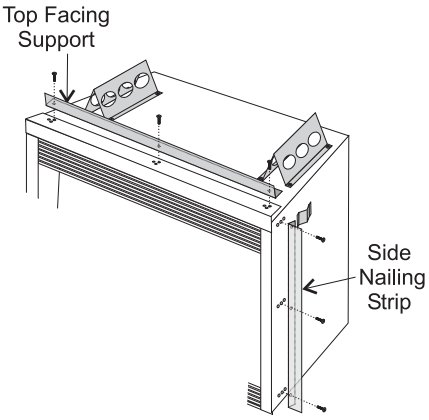
The Top Facing Support & Side Nailing Strips can be mounted in 3 different positions depending on the thickness of the facing material.

Screw Position	Facing Material Depth	
A	1/2"	/13mm
B	7/8"	/22mm
C*	1-1/4"	/32mm

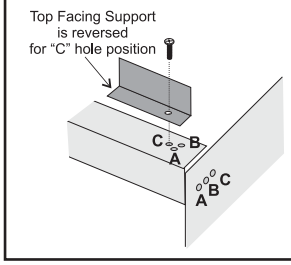
***** For "C" screw position the top facing support is reversed.

1) Mount Top Facing Support using the 3 supplied screws into the three pre-punched screw holes on the top front of the unit. Use hole positions A, B, or C depending on your facing depth.



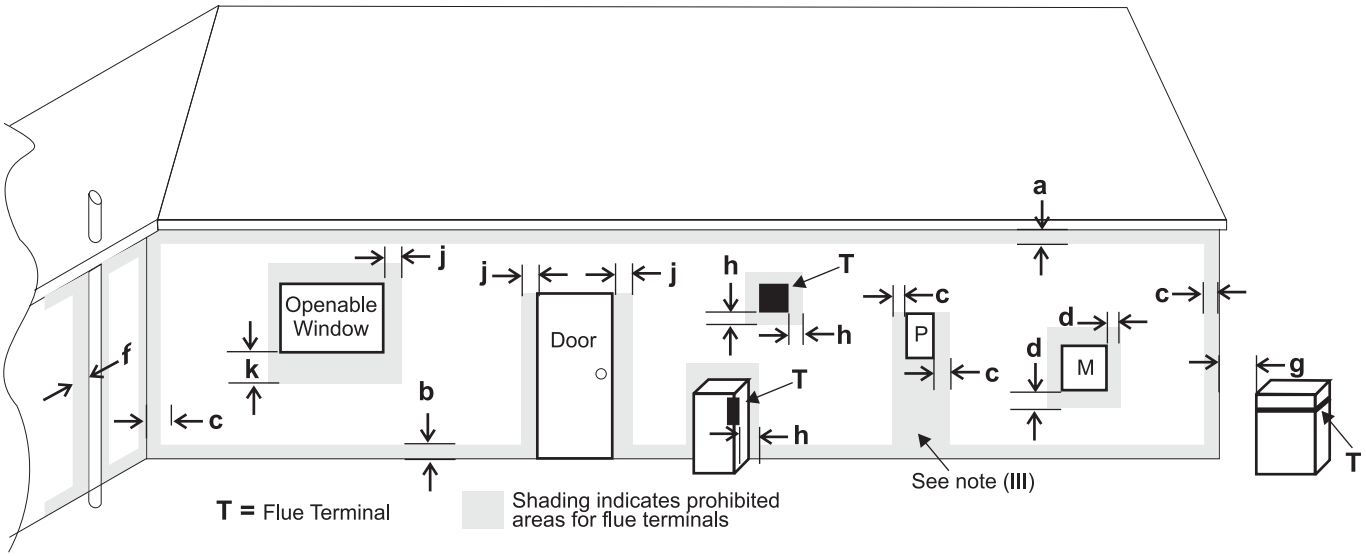


"C" Screw Position:
For a facing material depth of 1-1/4"(32mm), the top facing support must be reversed.



2) Use the same screw hole position for the Side Nailing Strips as was used for the Top Facing Support. Attach each side nailing strip using 3 screws.

EXTERIOR FLUE TERMINATION LOCATIONS



Minimum clearances required for balanced flue terminals or the flue terminals of outdoor appliances according to AG 601 (AGA gas installation code) or NZS 5261 (New Zealand). For vertical termination height refer to AG 601 or NZS 5261.

		Minimum 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	Horizontal from any building structure (unless appliance is 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, or non-mechanical air inlet, or any other opening into a building, with the exception of sub-floor ventilation (see also Note (I)):	
	- Appliances up to 150 MJ/h input	500
	- Appliances over 150 MJ/h input	1500
k	Vertically below an openable window, door, or non-mechanical air inlet, or any other opening into a building, with the exception of sub-floor ventilation (see also Note (I)): see table below	

Clearance 'k' in mm			
Space Heaters	All Other Appliances		
Up to 50 MJ/h input	Up to 50 MJ/h input	Over 50 MJ/h input to 150 MJ/h input	Over 150 MJ/h input
150	500	1000	1500

NOTES:

(I) For mechanical air inlets, including spa blowers, the clearance 'j' and 'k' shall be 1500 mm in all cases.

(II) All distances shall be measured vertically or horizontally along the wall to a point in line with the nearest par to of the terminal.

(III) Prohibited area below electricity meter or fuse box extends to ground level.

(IV) A flue terminal of this type shall not be located under a roofed area unless the roofed area is fully open on at least two sides and a free flow of air at the appliance is achieved.

FLUEING INTRODUCTION

The P33R-1 uses the "balanced flue" technology Co Axial system. The inner liner flues products of combustion to the outside while the outer liner draws outside combustion air into the combustion chamber thereby eliminating the need to use heated room air for combustion and losing warm room air up the chimney.

NOTE: These flue pipes must not be connected to any other appliance.

The gas appliance and flue system must be flued directly to the outside of the building, and never be attached to a chimney serving a separate solid fuel or gas burning appliance. Each Room Sealed gas appliance must use it's own separate flue system. Common flue systems are prohibited.

NOTE: Ensure compliance with the outside flue terminal location before cutting hole as both dimensions must be met.

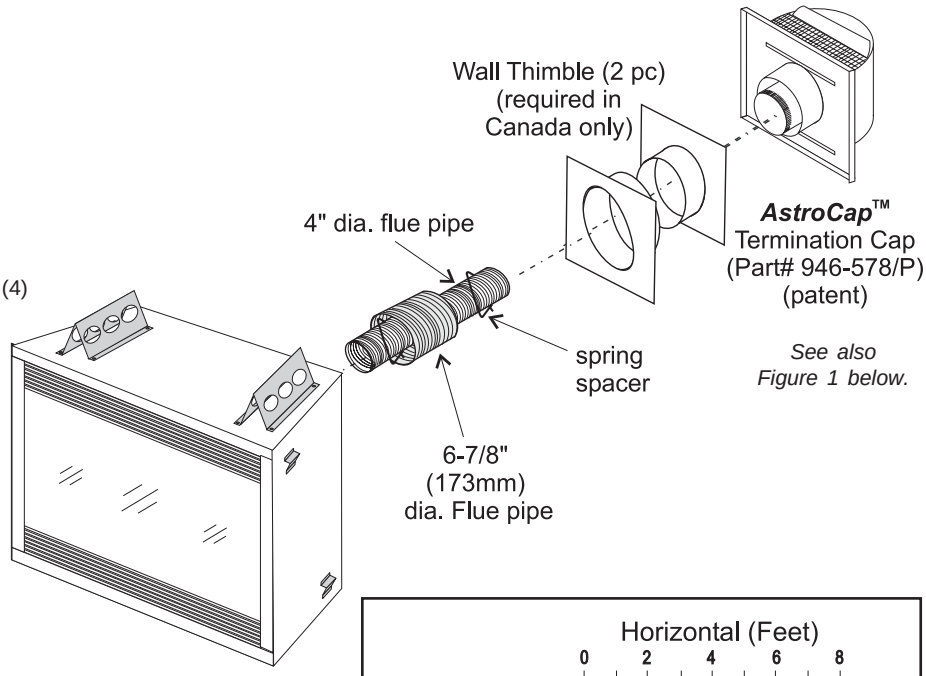
MASPORT DIRECT VENT SYSTEM (FLEX) HORIZONTAL TERMINATIONS

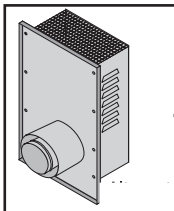
This flueing system, in combination with the P33R-1 Room Sealed Gas Fireplace, has been tested and listed as a Room Sealed heater system by Warnock Hersey. The location of the termination cap must conform to the requirements in the Flue Terminal Locations diagram on page 10.

Masport Direct Vent (Flex) System Termination Kit (Part # 946-513) includes all the parts needed to install the P33R-1 with a maximum run of 2 feet. If installing the P33 with a **continuous** flue length of more than 2 ft (.6m) to a maximum of 10 ft. (3.0m) use Kit # 946-125 (4ft.) or Kit # 946-516 (10 ft).

1) 6-7/8" dia. flexible liner (2 ft. length)
2) 4" dia. flexible liner (2 ft. length)
3) spring spacers (3)
4) thimble (2)
5) ***AstroCap*** termination cap (1)
6) screws (12)
7) tube of Mill Pac (1)
8) plated screws (8)
9) screws #8 x 1-1/2" drill point, stainless steel (4)

Notes:
1) Liner sections should be continuous without any joints or seams.
2) Only Flex pipe purchased from Masport may be used for Flex installations.

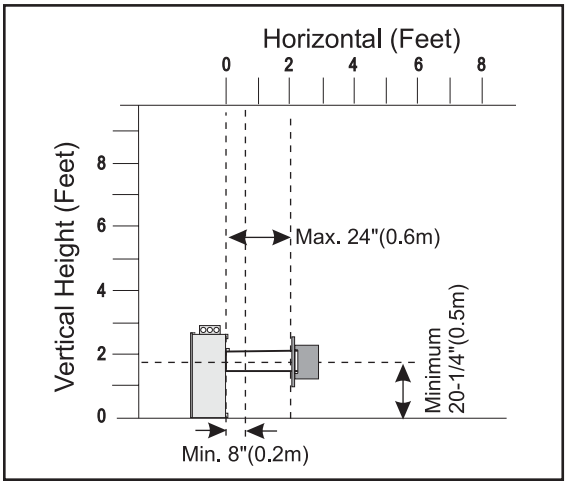




Alternate Horizontal Termination Cap

Part # 556310 *Figure 1*

Wherever necessary due to external location of cap, the AstroCap can be replaced with the Riser Vent Termination Cap. See warning on page 12.

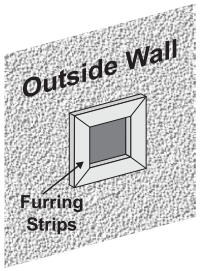


INSTALLATION PROCEDURES

for Masport Direct Vent System (Flex)

1) Locate the unit in the framing, rough in the gas (preferably on the right side of the unit) and the electrical (Junction block is on the left side) on the left. Locate the centerline of the termination and mark wall accordingly. Cut a 10"(254mm) hole in the wall (inside dimension).

Note: To make the installation more aesthetically pleasing, we recommend framing out a square to mount the terminal to.



Note: A 1-1/2"(38mm) clearance around the liner must be maintained except that only a 1" (25mm) clearance is needed at the termination end. We recommend framing a 10"(254mm) x 10"(254mm) (inside dimensions) hole to give structural rigidity for mounting the termination.

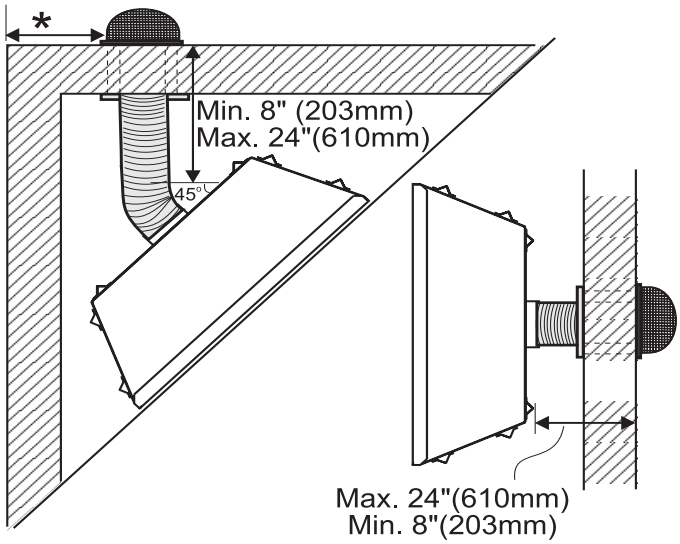
Note: If installing termination on a siding covered wall, furring strips must be used to ensure that the termination is not recessed into the siding.

2) Level the fireplace and fasten it to the framing using nails or screws through the nailing strips.

3) Assemble the flue assembly by applying Mill Pac to the 4"(100mm) inner collar of the termination and slipping the 4"(100mm) liner over it at least 1-3/8" (35mm). Fasten with the 3 screws (drilling pilot holes will make this easier). Apply Mill Pac or high temperature silicone to the 6-7/8"(175mm) flex pipe and slip it over the 6-7/8" outer collar of the flue terminal at least 1-3/8"(35mm) and fasten with the 3 screws.

4) Separate the 2 halves of the wall thimble and securely fasten the one with the tabs to the outside wall making sure that the tabs are on top and bottom. Fasten the other thimble half to the inside wall. The thimble halves slip inside each other and can be adjusted for 2 x 4 or 2 x 6 walls. ***The liners must slip over the collars a minimum of 1-3/8".***

*****If this is an outside corner, the minimum distance between the flue and the outside corner is 6" (15cm) with ***AstroCap*** termination cap. See "F" on the diagram on page 10.



Minimum and Maximum Flue Clearances

5) Slip the assembled liner and termination assembly through the thimble making sure the termination cap faces up (there are markings on the cap that show which way is up). This will position the termination cap with proper down slope for draining water. Fasten the cap to the outer wall with the 4 supplied screws.

6) Pull the centre 4"(100mm) liner and outer 6-7/8"(175mm) liner out enough to slip over the flue collars of the fireplace.

7) Apply Mill Pac over the fireplace inner collar and slip the 4"(100mm) liner down over it and attach with 3 supplied screws.

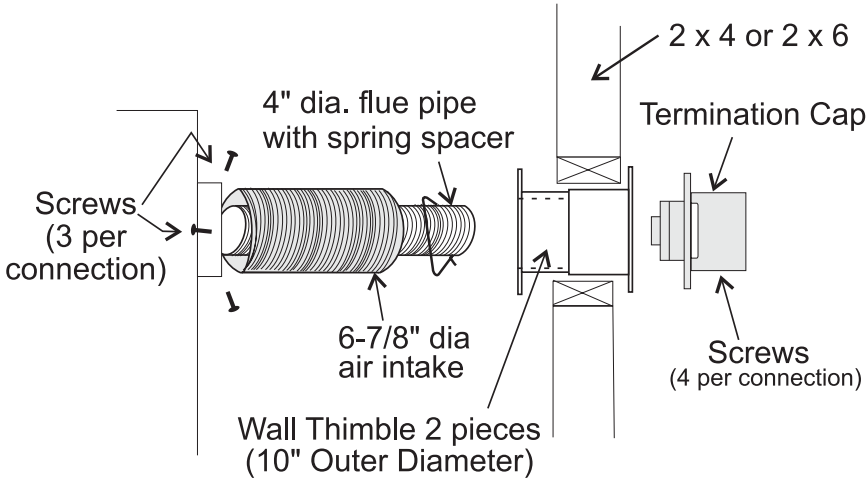
8) Do the same with the 6-7/8"(175mm) liner.

9) Apply a bead of silicone between the thimble and termination and around the outer edge of the terminal at the wall in order to keep the water out.

WARNING:

When installing in a high wind situation, common sense must prevail. Choose a sheltered side of the house.

A non combustible water ingress shelf will need to be fitting 200mm above the terminal to prevent water ingress in extreme conditions or where no sofit shelters the terminal.



FLUEING ARRANGEMENTS - HORIZONTAL TERMINATIONS

Masport Direct Vent for Horizontal Terminations (LPG & NG)

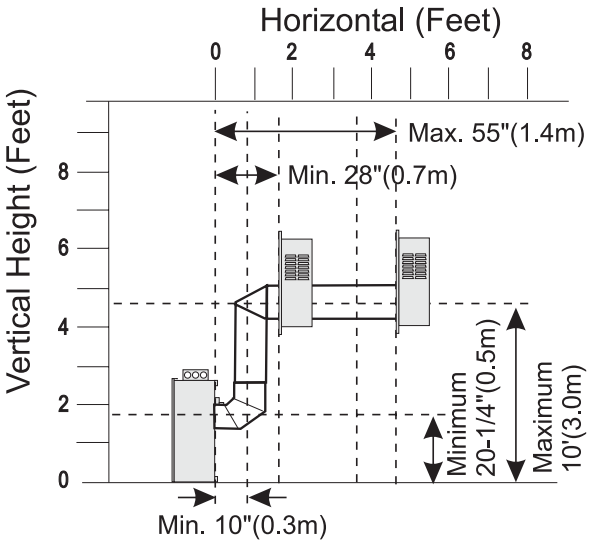
The diagram shows all allowable combinations of vertical runs with horizontal terminations, using two 90° elbows (two 45° elbows equal one 90° elbow).

A flue guard should be used whenever the termination is lower than the specified minimum or as per local codes.

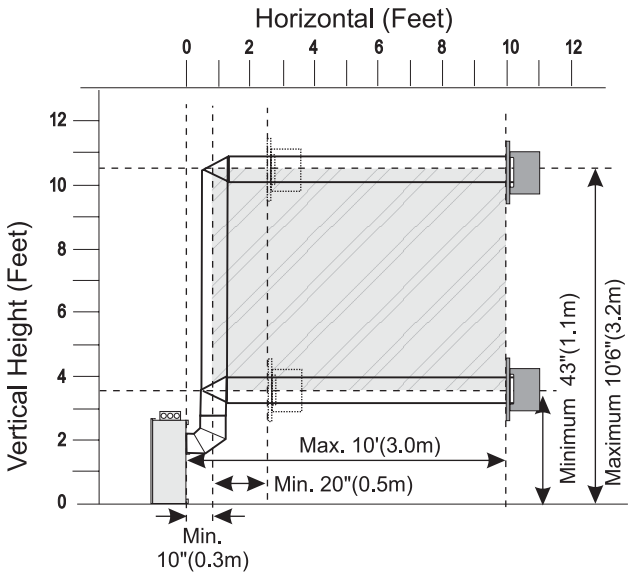
- **Maintain a 1-1/4" (40mm) clearance to combustibles.**
- **Horizontal flue must be supported every metre.**

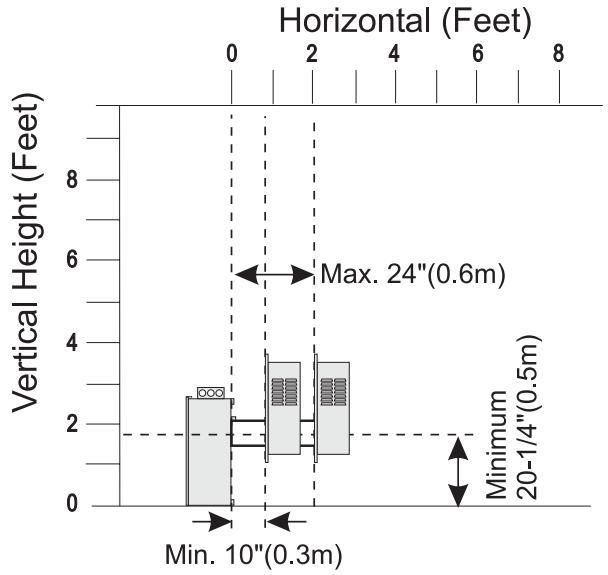
NOTE: Only the *AstroCap* (Part #: 946-578/P), and the Riser Flue (Part #: 556310) are approved for Horizontal Termination installations.

Masport DV Flex
Riser Flue Termination



Masport DV Flex

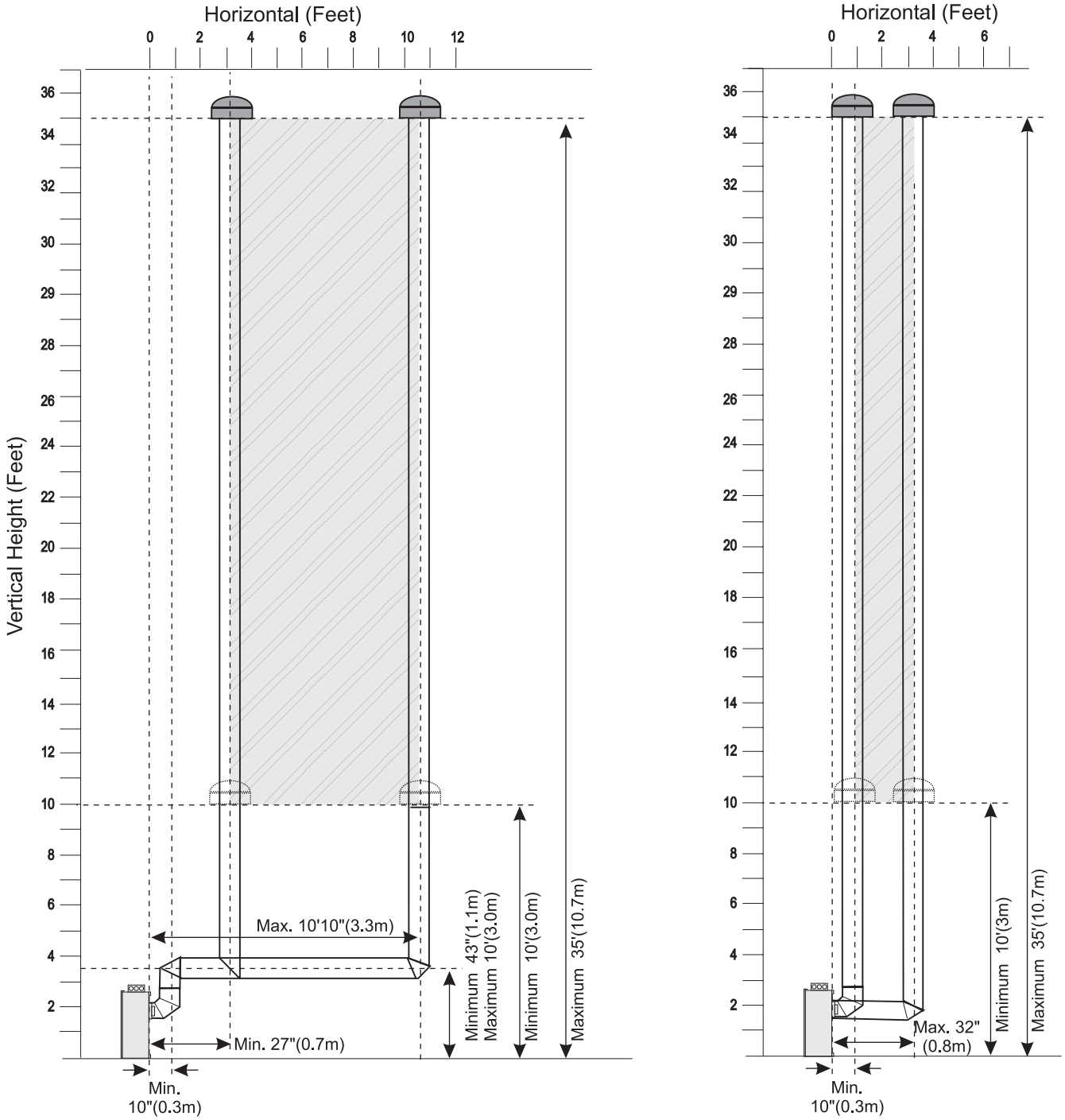




FLUEING ARRANGEMENTS
VERTICAL TERMINATIONS (LPG & NG)

The shaded area in the diagram shows all allowable combinations of straight vertical and offset to vertical terminations , using three 90º elbows (two 45º elbows equal one 90º elbow).

- **Flue must be supported at offsets**
- **Maintain a 1-1/4" (40mm) clearance to combustibles**



HORIZONTAL INSTALLATIONS

Install the flue system according to the manufacturer's instructions included with the components.

1) Set the unit in its desired location. Check to determine if wall studs or roof rafters are in the way when the flueing system is attached. If this is the case, you may want to adjust the location of the unit. Rough in the gas preferably on the right side of the unit and the electrical (junction block is on the left side) on the left.

2) Put a bead of silicone inside the outer section of the adapter and a bead of Mill-Pac on the inner collar. Slip the adapter over the existing inner and outer flue collar and fasten to the outer collar only with the 3 supplied screws (drilling pilot holes will make this easier). Level the fireplace and fasten it to the framing using nails or screws through the nailing strips.

3) Assemble the desired combination of pipe and elbows to the appliance adaptor.

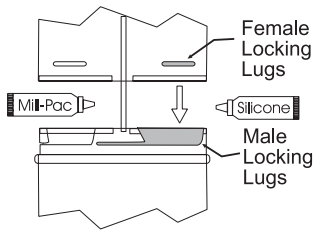


Diagram 1

Note: Apply sealant "Mill-Pac" to inner pipe and high temperature silicone sealant to outer pipe on every twist-lock joint.

a) Horizontal runs of flue must be supported every three feet. Wall straps are available for this purpose.

4) Mark the wall for a 10" x 10" square hole. The center of the square hole should line up with the centerline of the horizontal pipe. Cut and frame the 10 inch square hole in the exterior wall where the flue will be terminated. If the wall being penetrated is constructed of non-combustible material, i.e. masonry block or concrete, a 7"(178mm) diameter (7-1/2"(191mm) dia. for flex) hole is acceptable.

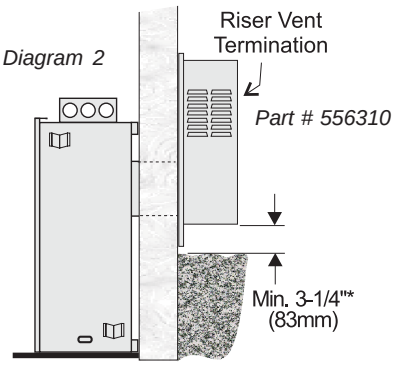
Note:

a) The horizontal run of flue must be level, or have a 1/4 inch rise for every 1 foot of run towards the termination. Never allow the flue to run downward. This could cause high temperatures and may present the possibility of a fire.

b) The location of the horizontal flue termination on an exterior wall must meet all local and national building codes, and must not be blocked or obstructed. For External Flue Terminal Locations, see diagram on page 10.

c) Riser Flue Terminations:
For installations requiring a vertical rise on the exterior of the building, 50cm tall Riser Flue as shown in Diagram 2 is available. Follow the same installation procedures as used for standard Horizontal Termination.
NEVER install the snorkel upside down.

Diagram 2



Below Grade Riser Installation
If the Riser Termination must be installed below grade, i.e. basement application, proper drainage must be provided to prevent water from entering the Riser Termination. Do not attempt to enclose the Riser within the wall, or any other type of enclosure.

5) The arrow on the flue cap should be pointing up. Insure that the 1-1/2" clearances to combustible materials are maintained (Diagram 3). Install the termination cap.

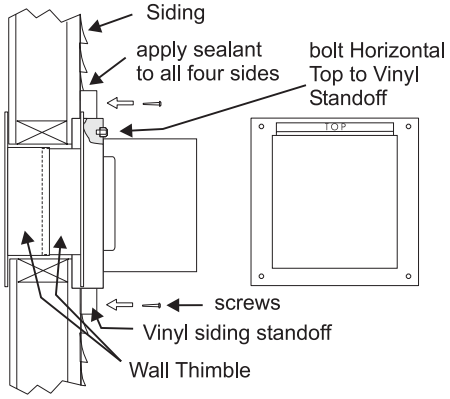


Diagram 3

The four wood screws provided should be replaced with appropriate fasteners for stucco, brick, concrete, or other types of sidings.

Note: If installing termination on a siding covered wall, a vinyl siding standoff or furring strips must be used to ensure that the termination is not recessed into the siding.

6) Before connecting the horizontal run of flue pipe to the flue termination, slide the Wall Thimble over the flue pipe.

7) Slide the appliance and flue assembly towards the wall carefully inserting the flue pipe into the flue cap assembly. It is important that the flue pipe extends into the flue cap sufficient distance so as to result in a minimum pipe overlap of 1-1/4 inches. Secure the connection between the flue pipe and the flue cap 3 sheet metal screws.

8) Install wall thimble in the center of the 10" square and attach with wood screws (Diagram 4).

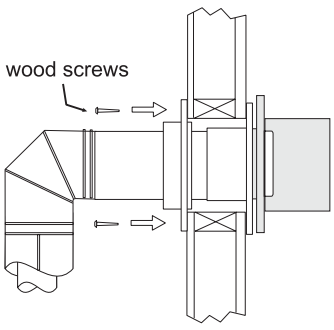


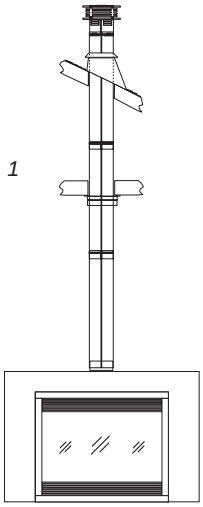
Diagram 4

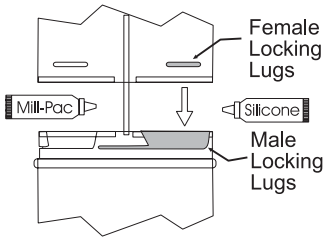
VERTICAL TERMINATION

1) Maintain the 1-1/2" clearances (air spaces) to combustibles when passing through ceilings, walls, roofs, enclosures, attic rafter, or other nearby combustible surfaces. Do not pack air spaces with insulation. Check pages 13-14 for the maximum vertical rise of the flueing system and the maximum horizontal offset limitations.

2) Set the gas appliance in its desired location. Drop a plumb bob down from the ceiling to the position of the appliance flue exit, and mark the location where the flue will penetrate the ceiling. Drill a small hole at his 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.

Diagram 1





Note: Apply sealant "Mill-Pac" to inner pipe and high temperature silicone sealant to outer pipe on every twist-lock joint.

3) Cut a hole in the roof centered on the small drilled hole placed in the roof in Step 2. The hole should be of sufficient size to meet the minimum requirements for clearance to combustibles of 1-1/2". Slip the flashing under the shingles (shingles should overlap half the flashing) as per Diagram 3.

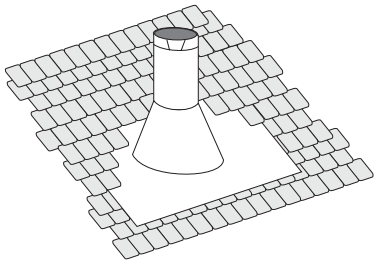


Diagram 3: The upper half of the flashing is installed under the roofing material and not nailed down until the chimney is installed. This allows for small adjustments.

4) Continue to assemble pipe lengths.

Note: If an offset is necessary in the attic to avoid obstructions, it is important to support the flue pipe every 3 feet, to avoid excessive stress on the elbows, and possible separation. Wall straps are available for this purpose.

Galvanized pipe is desirable above the roofline due to its higher corrosion resistance. Continue to add pipe sections through the flashing until the height of the flue cap meets the minimum height requirements specified in Diagram 4 or local codes. Note that for steep roof pitches, the vertical height must be increased. A poor draft, or down drafting can result from high wind conditions near big trees or adjoining roof lines, in these cases, increasing the flue height may solve the problem.

5) Ensure flue is vertical and secure the base of the flashing to the roof with roofing rails, slide storm collar over the pipe section and seal with a mastic.

6) Where required always refer to either AG 601 or NZS 5261:2003

Note: Any closets or storage spaces, which the flue passes through must be enclosed.

GAS LINE INSTALLATION

The gas valve is situated on the right hand side of the unit and the gas inlet is on the right hand side of the valve.

The gas line connection may be made of rigid pipe, copper pipe or an approved flex connector. (If you are using rigid pipe, ensure that the valve can be removed for servicing.) Since some municipalities have additional local codes it is always best to consult with your local authorities.

Follow the current AG 601 and NZS 5261 standards.

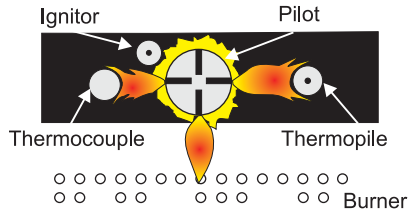
When using copper or flex connectors use only approved fittings. Always provide a union so that gas lines can be easily disconnected for servicing. Flare nuts for copper lines and flex connectors are usually considered to meet this requirement.

Important: Always check for gas leaks with a soap and water solution or gas leak detector. Do not use open flame for leak testing.

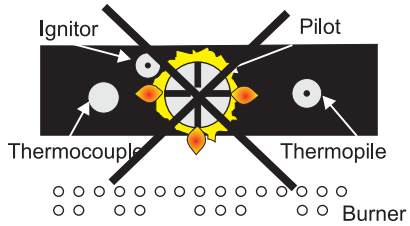
PILOT ADJUSTMENT

Periodically check the pilot flames. Correct flame pattern has three strong blue flames: 1 flowing around the thermopile, 1 around the thermocouple and 1 flowing across the burner (it does not have to be touching the burner).

Note: If you have an incorrect flame pattern, contact your Masport dealer for further instructions.



Incorrect flame pattern will have small, probably yellow flames, not coming into proper contact with the rear burner or thermopile or thermocouple.



P33R-1 System Data

For 0 to 4500 feet altitude
Burner Inlet Orifice Sizes:

	NG	LPG
Burner	#45	#54

Max. Input Rating		
- NG	22 mj	
- LPG	22 mj	
Min. Input Rating		
-NG	11 mj	
-LPG	11 mj	
Output Capacity with blower Off		
NG	16 mj	
LPG	17 mj	
Output Capacity with blower On		
NG	17 mj	
LPG	17 mj	
Minimum Output with blower Off		
NG	8 mj	
LPG	8 mj	
Supply Pressure		
NG	min.	1.2 kPa
LPG	min.	2.98 kPa
Manifold Pressure (High)		
NG	0.94 +/-	0.05 kPa
LPG	2.73 +/-	0.05 kPa

Electrical: 240 V A.C. System.
Circulation Fan: variable speed 130 CFM.
Log Set: Ceramic fibre, 5 per set.
Flue System: Masport Direct Flue System (Flex)

Note: Output capacity:
The efficiency rating of the appliance is a product thermal efficiency rating determined under continuous operating conditions and was determined independently of any installed system.

Flue height may change your efficiency ratings.

PRESSURE TESTING

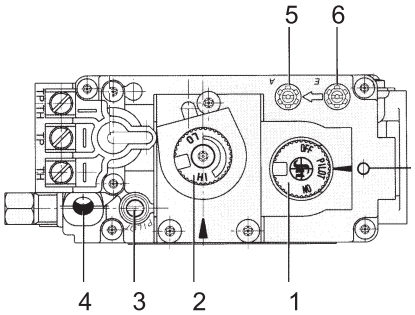
The manifold pressure is controlled by a regulator built into the gas control, and should be checked at the pressure test point.

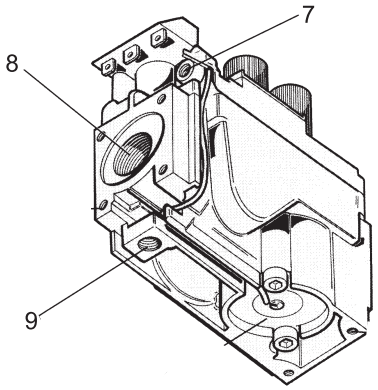
Note: To properly check gas pressure, both inlet and manifold pressures should be checked using the valve pressure ports on the valve.

1) Make sure the valve is in the "OFF" position.
2) Loosen the "IN" and/or "OUT" pressure tap(s), turning counterclockwise with a 1/8" wide flat screwdriver.
3) Attach manometer to "IN" and/or "OUT" pressure tap(s) using a 5/16" ID hose.
4) Light the pilot and turn the valve to "ON" position.
5) The pressure check should be carried out with the unit burning and the setting should be within the limits specified on the safety label.
6) When finished reading manometer, turn off the gas valve, disconnect the hose and tighten the screw (clockwise) with a 1/8" flat screwdriver. ***Note: Screw should be snug, but do not over tighten.***

S.I.T. VALVE DESCRIPTION

1) Gas cock knob
2) Manual high/low adjustment
3) Pilot Adjustment
4) Thermocouple Connection - *option*
5) Outlet Pressure Tap
6) Inlet Pressure Tap
7) Pilot Outlet
8) Main Gas Outlet
9) Alternative TC Connection Point





INSTALLATION

Conversion Kit from NG to LPG Model #431-969 for P33R-1 using SIT 820 NOVA Gas Valve

THIS CONVERSION MUST BE DONE BY AN AUTHORIZED GAS FITTER IF IN DOUBT DO NOT DO THIS CONVERSION !!

Conversion Kit Contains:

Qty.	Part #	Description
1	910-018	SIT Conversion Kit-50% Turndown LPG
1	910-037	LPG Injector (Pilot Orifice)
1	904-163	Burner Orifice #54
1	908-255	Decal "Converted to LPG"
1	908-528	Red "LPG" label
1	908-529	5/32" Allen Key
1	908-812	Instruction Sheet

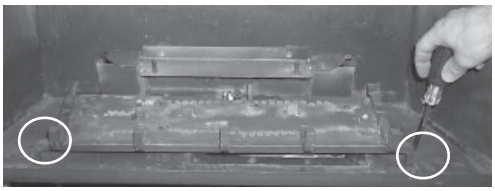
1) Shut off the gas supply.

2) Remove the louvres (and bay door if it is installed).

3) Open the flush door and remove the door.

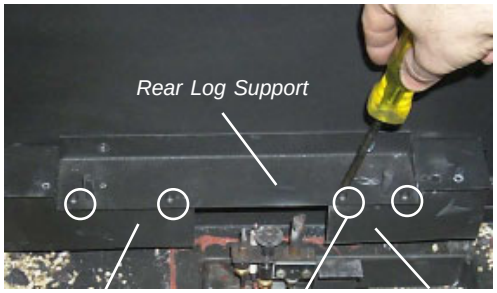
4) Remove the logs, embers, and brick panels (if used).

5) Remove the 2 screws holding the Burner Assembly to the firebox base. Push the Burner Assembly to the left and lift out.



Remove the 2 screws, push Burner Assembly to the left and lift out.

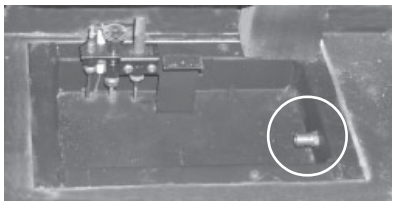
6) Remove the 2 Air Deflectors (2 screws per deflector) attached to the Rear Log Support. Discard the Air Deflectors, they are only required when burning NG.



7) Pull off the pilot cap to expose the pilot orifice.

8) Unscrew the pilot orifice with the allen key and replace with the LPG pilot orifice in the kit and replace pilot cap.

9) Remove burner orifice with a 1/2" spanner and discard. Use another spanner to hold on to the elbow behind the orifice.



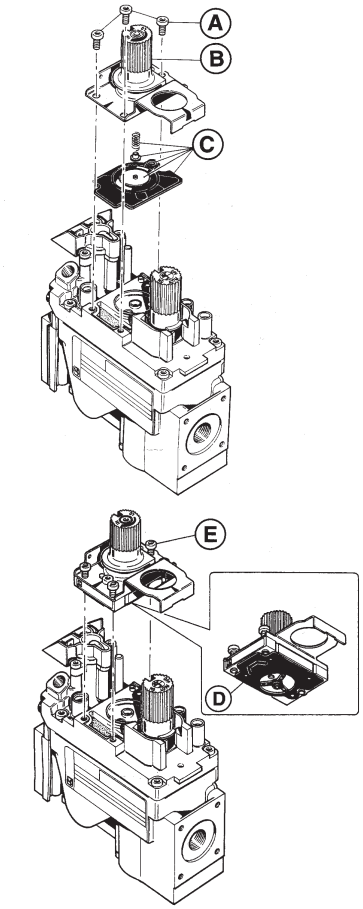
Burner Orifice

10) Reinstall new burner orifice LPG stamped #54 and tighten.

11) Remove and discard the 3 pressure regulator mounting screws (A), pressure regulator tower (B) and diaphragm (C).

12) Insure that the rubber gasket (D) is properly positioned and install the new HI/LO pressure regulator assembly to the valve using the new screws (E) supplied with the kit. Tighten screws securely.

IMPORTANT: Check for gas leaks prior to and during operation.



13) Reverse steps 5) to 2).

14) Attach clear label "This unit has been converted to LPG" near or on the data badge. Attach white label "This valve has been converted from NG to LPG using SIT conversion Kit Code 0.907.202" onto the valve.

15) Replace yellow "NG" label with red "LPG" label

16) Check for gas leaks.

17) Check inlet and outlet pressures.

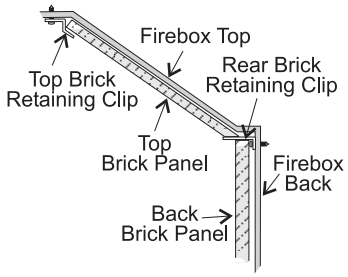
18) Check operation of flame control.

19) Check for proper flame appearance and glow on logs.

OPTIONAL BRICK PANELS

1) Undo the bottom 2 door latches and open and remove glass door. Remove logs.

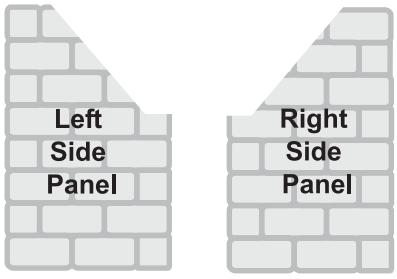
2) Attach the 2 Rear Brick Retaining clips to the rear wall. Loosen the screws in the top and rear wall of the firebox and slide the retaining clips into position (tight against the firebox top) and then tighten the screws.



Note: The logs must not be in the unit.

3) Insert the back brick panel by carefully slipping it between the back wall of the firebox and the rear log bracket.

4) Put the side panels in next. Slide them in from the front and push them flat up against the wall. Be very careful not to scratch them on the firebox hardware.

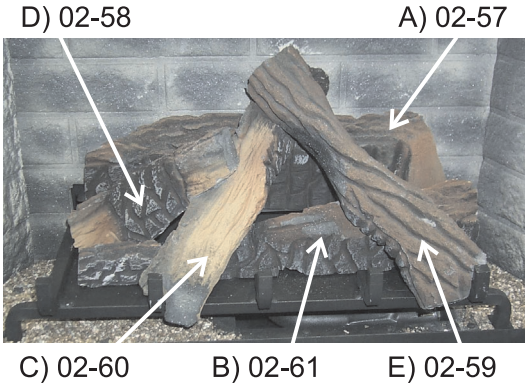


5) Slide the Top Brick Panel into position and slide the Top Brick Retaining clips so that they hold the Top Brick Panel in place and tighten down the screws.

LOG SET INSTALLATION

Read the instructions below carefully and refer to the diagrams. If logs are broken do not use the unit until they are replaced. Broken logs can interfere with the pilot operation.

The "02" refer numbers (i.e. 02-57) are molded into the rear of each log.



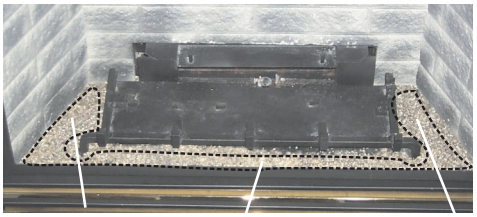
The gas log kit (Part # 431-930) contains the following pieces:

A)	02-57	Rear Log	902-250
B)	02-61	Middle Cross Log	902-254
C)	02-60	Front Left Cross Log	902-253
D)	02-58	Rear Left Log	902-251
E)	02-59	Front Right Cross Log	902-252
F)		Embers	902-156
G)		Vermiculite	902-179/21

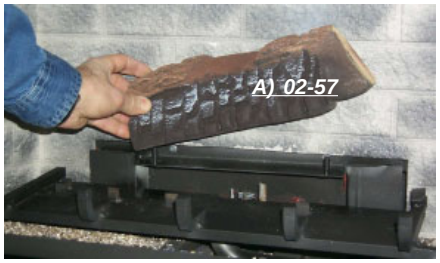
NOTE: If you will be installing the optional Brick Panels, install the Brick Panels prior to installing the logs.

1) Carefully remove the logs from the box and unwrap them. The logs are fragile, handle with care - **do not force into position.**

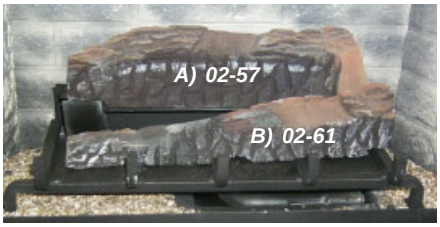
2) Sprinkle the vermiculite around the firebox base.



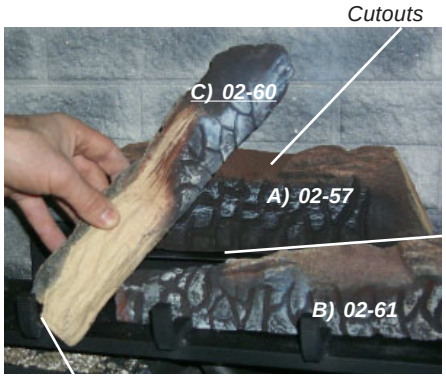
3) Place the Log A) 02-57 on the rear log support pins with the flat side to the back.



4) Place Log B) 02-61 on the front right side of the burner. Push the back of the log against the 2 brackets with the notch on the bottom right side of the log fitting into the right side of the grate.

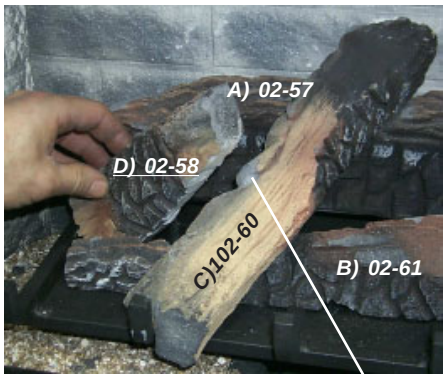


5) Position Log C) 02-60 across the cutouts in Logs A) 02-57 and B) 02-61 with the notch on the left side of the log fitting into the 2nd grate tab.



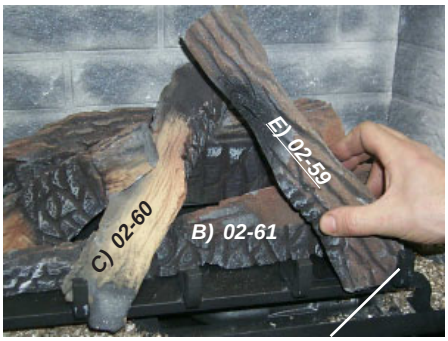
INSTALLATION

6) Place the bottom left front edge of Log D) 02-58 against the left edge of the burner tray and rest the log on the cutout on Log C) 02-60.

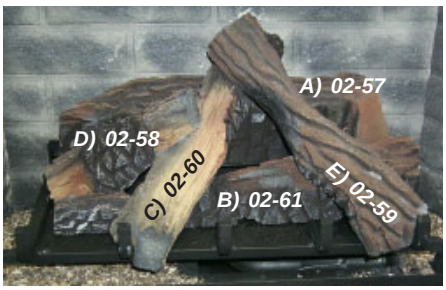


Cutout

7) Position Log E) 02-59 across the cutouts in Logs B) 02-61 and C) 02-60. The notch in the bottom right end fitting against the 5th grate tab.



5th Grate Tab

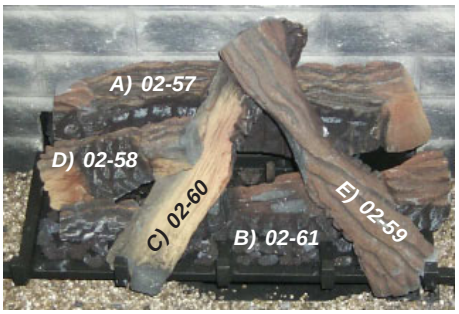


8) Place the embers on the front of the burner tray in the places shown on the photo.

Place embers in these 3 locations on the burner tray.

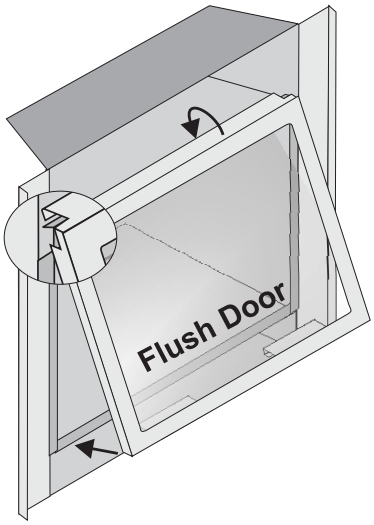
9) Test fire to ensure proper light off (make sure flame flows smoothly from one end of burner to the other). If there is any flame hesitation, check that area for any blockage of the burner ports.

10) Install flush glass and bay glass (if used) as per instructions in this manual.



STANDARD FLUSH DOOR

The standard flush door comes with a black frame. To install the frame, simply hook the top door flange onto the top of the unit and swing the door towards the unit, diagram 1. Be careful that the glass gasket does not roll up; there must be a gap between the gasket and the door lip to ensure that the door sits securely on the unit. Diagram 2.



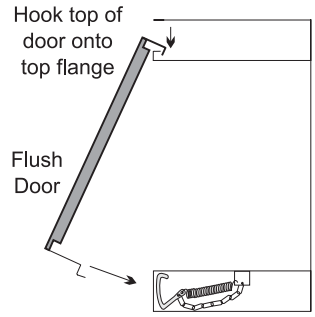


Diagram 1

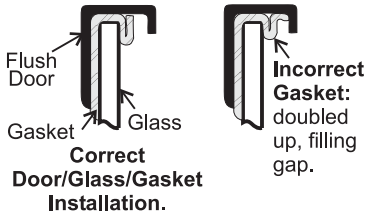


Diagram 2

Use the hook to pull the spring out until you can put the hook into the slot on the bottom door bracket. Repeat for 2nd spring. See diagram 3.

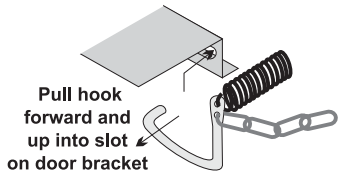
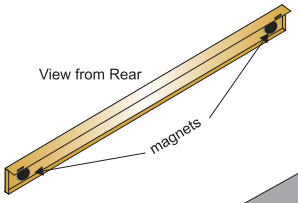


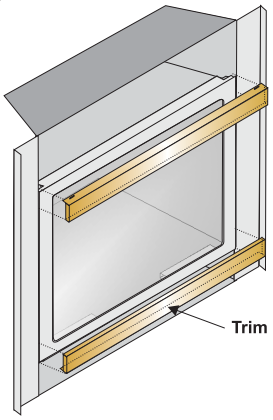
Diagram 3

To remove the flush door, reverse the above steps.

Optional Flush Trim

Attach the round magnets to the back of the top trim piece and to the bottom trim piece, then attach trim to the top and bottom of Flush door.





FLUSH LOUVRES

1) Install the top louvre by sliding the two bracket clips into the brackets located underneath the top of the firebox.

2) Install the bottom louvre by folding the louvre down and then sliding the Bottom Louvre bracket down onto the 2 pins on the base of the unit (diagram 1). Secure with 1 screw as per diagram 2.

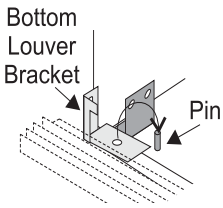


Diagram 1

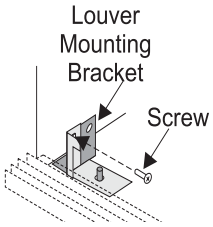
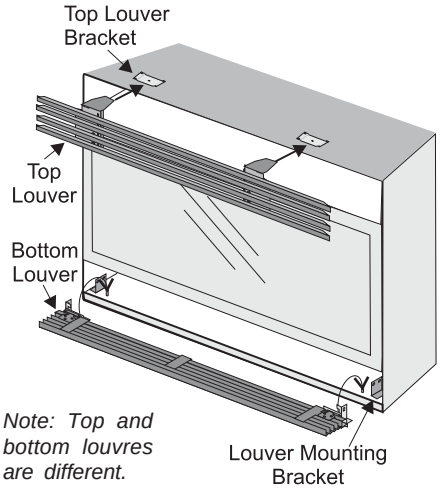


Diagram 2



Note: Top and bottom louvres are different.

INSTALLATION

Option 1: REMOTE CONTROL

Use the Masport Remote Control Kit approved for this unit. Use of other systems may void your warranty.

The remote control kit comes with a hand held transmitter, a receiver and a wall mounting plate.

1) Choose a convenient location on the wall to install the receiver and the receptacle box (protection from extreme heat is very important). Run wires from the fireplace to that location. Use Thermostat Wire Table.

2) Connect the two wires to the gas valve. See diagram below.

CAUTION
Do not wire millivolt remote control wires to a 240V power supply.

3) Install alkaline batteries in both the receiver and the transmitter. Install the receiver and its cover in the wall. Switch the hand held remote transmitter to "remote" mode. The remote control is now ready for operation.

Option 2: WALL THERMOSTAT

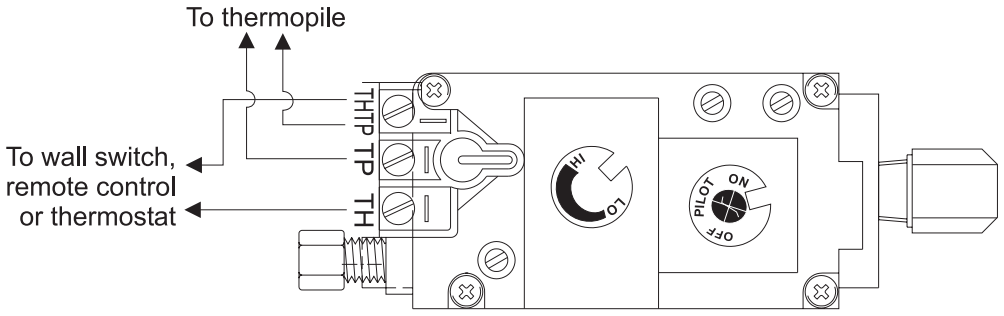
A wall thermostat may be installed if desired, connect the wires as per the wiring diagram. Use chart below to determine the maximum wire length.

CAUTION
Do not wire millivolt thermostatl wires to a 240V power supply.

Thermostat Wire Table

Recommended Maximum Lead Length (Two-Wire) When Using Wall Thermostat (CP-2 System)	
Wire Size	Max. Length
14 GA.	15.24 m
16 GA.	9.75 m
18 GA.	6.10 m
20 GA.	3.66 m
22 GA.	2.71 m

Refer to specific detailed instructions supplied with each kit.



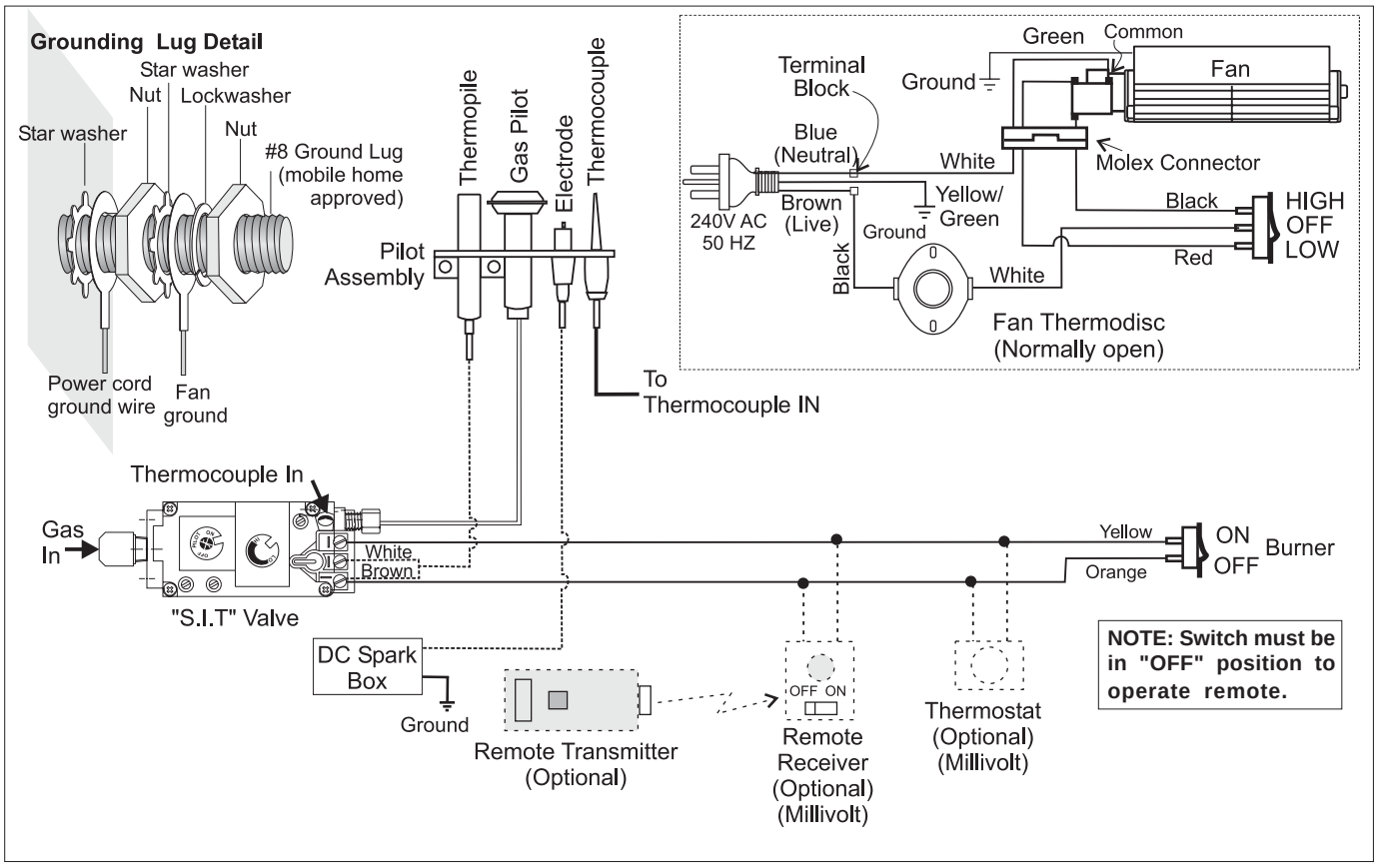
WIRING

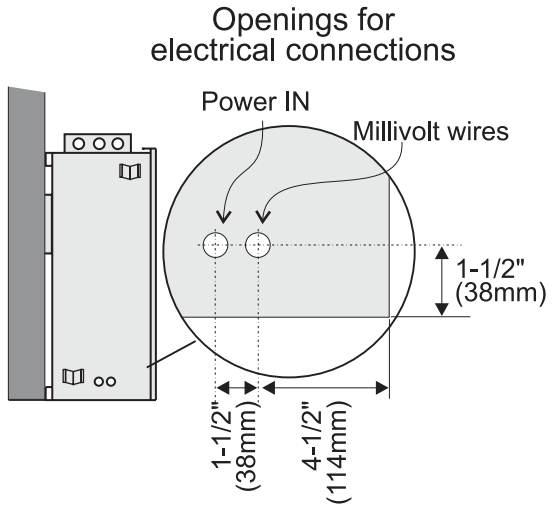
No electrical power supply is required for the gas control to operate. However, a 240V A.C. power supply is needed for the fan/blower operation.

Caution: Ensure that the wires do not touch any hot surfaces and are away from sharp edges.

WARNING: Electrical Grounding Instructions
This appliance is equipped with a three pronged (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.

CAUTION:
Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation.





COPY OF THE LIGHTING PLATE INSTRUCTIONS

FOR YOUR SAFETY READ BEFORE LIGHTING

This appliance must be installed in accordance with local codes, if any; if not, follow the current CAN1-B149/ANSI Z 223.1 (Australia: AG601, New Zealand: NZS 5261)

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

A)This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.

B) BEFORE LIGHTING smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS
- **Do not try to light any appliance**
- **Do not touch any electric switch, do not use any phone in your building**
- **Immediately call your gas supplier from a neighbours phone. Follow the gas supplier's instructions.**
- **If you cannot reach your gas supplier, call the fire department.**

C)Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician. Force or attempted repair may result in a fire or explosion.

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

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

CAUTION: Hot while in operation. Do not touch. Severe Burns may result. Due to high surface temperatures keep children, clothing and furniture, gasoline and other liquids having fammable vapors away. Keep burner and control compartment clean. See installation and operating instructions accompanying appliance.

LIGHTING INSTRUCTIONS

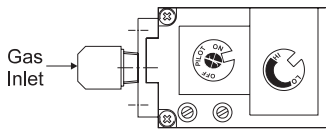
STOP! Read the safety information above on this label.

1) Push in gas control knob slightly and turn to "PILOT" position.

2) Push in control knob all the way and hold in until the pilot lights up. Continue to hold the control knob in for about 20 seconds after the pilot is lit. Release knob.

3) Push in gas control knob slightly and turn to "ON" position.

4) Turn ON the flame switch.



TO TURN OFF GAS APPLIANCE

1) Turn OFF the flame switch.

2) Push in gas control knob slightly and turn to "OFF" position.

You may shut off the pilot during prolonged non use periods to conserve fuel.

DO NOT REMOVE THIS INSTRUCTION PLATE

918-253

OPERATING INSTRUCTIONS

1) Read and understand these instructions before operating this appliance.

2) Check to see that all wiring is correct and enclosed to prevent possible shock.

3) Check to ensure there are no gas leaks.

4) Make sure the glass in the door frame is properly positioned. Never operate the appliance with the glass removed.

5) Verify that the flueing and cap are unobstructed.

6) Ensure that the brick panels are installed.

7) Verify log placement. If the pilot cannot be seen when lighting the unit, the logs have been incorrectly positioned.

8) The unit should never be turned off, and on again without a minimum of a 60 second wait.

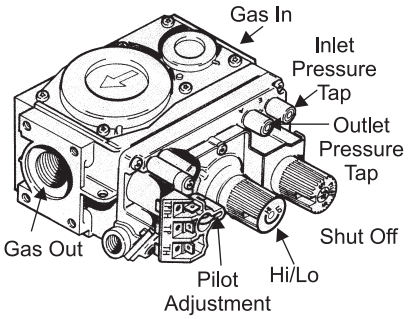
LIGHTING PROCEDURE

1) Push in gas control knob slightly and turn to "PILOT" position.

2) Push in control knob all the way and hold in until the pilot lights up. Continue to hold the control knob in for about 20 seconds after the pilot is lit. Release knob.

3) Push in gas control knob slightly and turn to "ON" position.

4) Turn ON the flame switch.



SHUTDOWN PROCEDURE

1) Turn OFF the flame switch.

2) Push in gas control knob slightly and turn to "OFF" position.

FIRST FIRE

The first fire in your stove is part of the paint curing process. To ensure that the paint is properly cured, it is recommended that you burn your fireplace for at least four (4) hours the first time you use it with the fan on.

When first operated, the unit will release an odour caused by the curing of the paint, the burning off of any oils remaining from manufacturing. Smoke detectors in the house may go off at this time. Open a few windows to ventilate the room for a couple of hours.

The glass panel may require cleaning after the unit has cooled down. **DO NOT ATTEMPT TO CLEAN THE GLASS WHILE IT IS HOT.**

Note: When the glass is cold and the appliance is lit, it may cause condensation and fog the glass. This condensation is normal and will disappear in a few minutes as the glass heats up.

DO NOT BURN THE APPLIANCE WITHOUT THE GLASS FRONT IN PLACE.

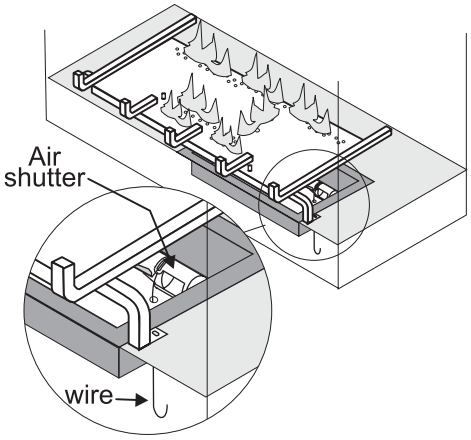
During the first few fires, a white film may develop on the glass front as part of the curing process. The glass should be cleaned or the film will bake on and become very difficult to remove. Use a non-abrasive cleaner and NEVER clean the glass while it is hot.

AERATION ADJUSTMENT

The air shutter can be adjusted by moving the adjusting wire up or down. The wire is accessed through the bottom louvre opening. Open the air shutter for a blue flame or close for a yellower flame. The burner aeration is factory set but may need adjusting due to either the local gas supply or altitude. This adjustment is performed by the gas fitter.

Minimum Air Shutter Opening:
1/8" NG
5/16" LPG

CAUTION: *Carbon will be produced if air shutter is closed too much.*



Closed - Tall yellow
Open - Short blue

Note: Any damage due to carboning resulting from improperly setting the aeration controls is NOT covered under warranty.

MAINTENANCE

NORMAL OPERATING SOUNDS OF GAS APPLIANCES

It is possible that you will hear some sounds from your gas appliance. This is perfectly normal due to the fact that there are various gauges and types of steel used within your appliance. Listed below are some examples. All are **normal operating sounds** and should not be considered as defects in your appliance.

Blower:
Masport gas appliances use high tech blowers to push heated air farther into the room. It is not unusual for the fan to make a "whirring" sound when ON. This sound will increase or decrease in volume depending on the speed setting of your fan speed control.

Burner Tray:
The burner tray is positioned directly under the burner tube(s) and logs and is made of a different gauge material from the rest of the firebox and body. Therefore, the varying thicknesses of steel will expand and contract at slightly different rates which can cause "ticking" and "cracking" sounds. You should also be aware that as there are temperature changes within the unit these sounds will likely reoccur. Again, this is normal for steel fireboxes.

Blower Thermodisc:
When this thermally activated switch turns ON it will create a small "clicking" sound. This is the switch contacts closing and is normal.

Pilot Flame:
While the pilot flame is on it can make a very slight "whisper" sound.

Gas Control Valve:
As the gas control valve turns ON and OFF, a dull clicking sound may be audible, this is normal operation of a gas regulator or valve.

Unit Body/Firebox:
Different types and thicknesses of steel will expand and contract at different rates resulting in some "cracking" and "ticking" sounds will be heard throughout the cycling process.

MAINTENANCE INSTRUCTIONS

1) Always turn off the gas valve before cleaning. For relighting, refer to lighting instructions. Keep the burner and control compartment clean by brushing and vacuuming at least once a year. When cleaning the logs, use a soft clean paint brush as the logs are fragile and easily damaged.

2) Clean appliance and door with a damp cloth (never when unit is hot). Never use an abrasive cleaner. The glass should be cleaned with a domestic glass cleaner. ***The glass should be cleaned when it starts looking cloudy.***

3) The heater is finished in a heat resistant paint and should only be refinished with heat resistant paint. Masport uses Stove-Bright Paint - Metallic Black #6309.

The interior of the firebox is subject to extremely high temperatures. While the painted surface is designed for high durability, the combustion conditions can cause deterioration of the paint finish. This is not unique to Masport gas fires. If the surface discolors or blisters simply scuff any loose paint from the firebox and lightly respray with Masport high temperature paint.

4) Make a periodic check of burner for proper position and condition. Visually check the flame of the burner periodically, making sure the flames are steady; not lifting or floating. If there is a problem, call an authorized service person.

5) The appliance and flueing system must be inspected before use, and at least annually, by an authorized field service person, to ensure that the flow of combustion and ventilation air is not obstructed.

Note: Never operate the appliance without the glass properly secured in place.

6) Do not use this appliance if any part has been under water. Immediately call an authorized service technician to inspect the appliance and to replace nay part of the control system and any gas control which has been under water.

7) Verify operation after servicing.

General Flue Maintenance

Conduct an inspection of the flueing system semi-annually. Recommended areas to inspect as follows:

1) Check the Flueing System for corrosion in areas that are exposed to the elements. These will appear as rust spots or streaks, and in extreme cases, holes. These components should be replaced immediately.

2) Remove the Cap, and shine a flashlight down the Flue. Remove any bird nests, or other foreign material.

3) Check for evidences of excessive condensation, such as water droplets forming in the inner liner, and subsequently dripping out the joints, Continuous condensation can cause corrosion of caps, pipe, and fittings. It may be caused by having excessive lateral runs, too many elbows, and exterior portions of the system being exposed to cold weather.

4) Inspect joints, to verify that no pipe sections or fittings have been disturbed, and consequently loosened. Also check mechanical supports such as Wall Straps, or plumbers' tape for rigidity.

LOG REPLACEMENT

The unit should never be used with broken logs. Turn off the gas valve and allow the unit to cool before opening door and carefully remove the logs. (The pilot light generates enough heat to burn someone.) If for any reason a log should need replacement, you must use the proper replacement log. The position of these logs must be as shown in the diagrams under Log Installation.

Note: Improper positioning of logs may create carbon build-up and will severely alter the unit's performance which is not covered under warranty.

GLASS GASKET

If the glass gasket requires replacement use 5/8" flat glass gasket for the Bay Front (Part # 936-243) and a tadpole glass gasket for the Flush Front (Part # 936-155).

DOOR GLASS

Your Masport stove is supplied with high temperature, 5 mm Neoceram ceramic glass that will withstand the highest heat that your unit will produce.

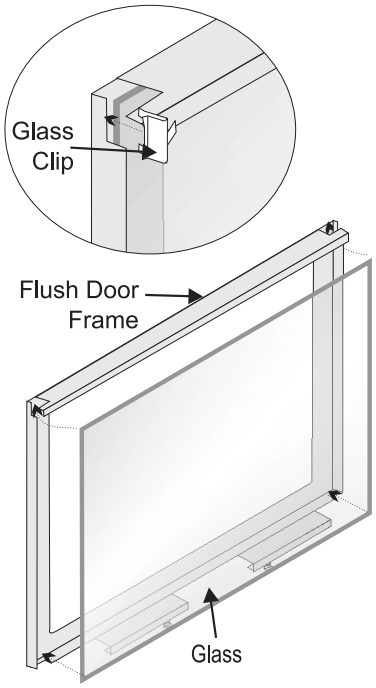
In the event that you break your glass by impact, purchase your replacement from an authorized Masport dealer only, and follow our step-by-step instructions for replacement.

WARNING: Do not operate the appliance with the glass panels removed, cracked or broken. Replacement of the glass panels should be done by a licensed or authorized service person.

Caution: Wear gloves when removing damaged or broken glass.

Flush Glass Replacement

Remove the flush door front. Remove the 4 glass clips from each corner. Slide in the new replacement glass. Push the 4 glass clips back onto the frame. **The glass must have gasketing around it.**



REMOVING VALVE

1) Shut off the gas supply.

2) Remove the louvres (and bay door if it is on).

3) Open the flush door and remove the door.

4) Remove the logs.

5) Remove the burner/grate assembly by removing the two Phillips head screws and then lift the burner assembly out.

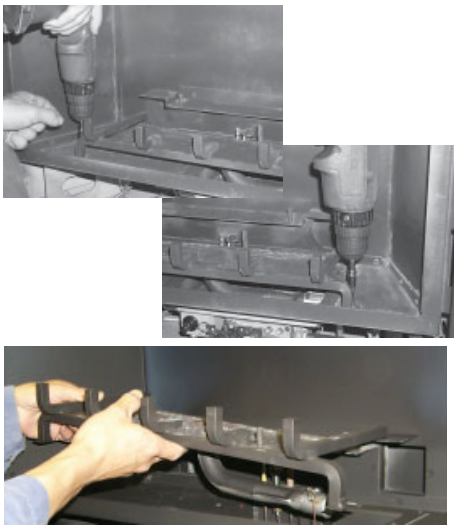


Diagram 1: Remove the left and right screws and then lift out the burner/grate assembly.

6) Remove the rear log stand by removing the 2 screws.

7) Disconnect the inlet gas line. See diagram 2.

8) Disconnect the 2 TP wires and the 2 TH wires from the valve.

9) Remove the 10 Phillips head screws securing the valve tray assembly in place (diagram 2) and then lift the entire assembly out (diagram 3).

10) Undo the pilot tube from the valve with a 7/16" spanner.

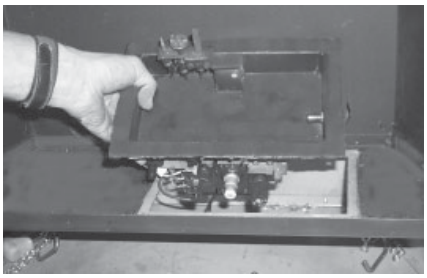
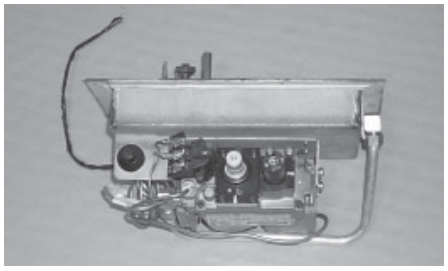


Diagram 3: Lift out Valve Tray Assembly



11) Undo the quick drop out thermocouple nut on the valve with a 9mm (metric) spanner.

12) Remove the Piezo igniter wire and push button assembly.

13) Undo the "gas out" flare nut with a 13/16" spanner.

14) Undo the "gas out" flare fitting with an 11/16" spanner.

15) Remove the 4 Phillips head screws from the sides of the valve bracket and remove valve.

Hint: If you are using black pipe, ensure that there is a union by the valve, otherwise removal will be almost impossible.

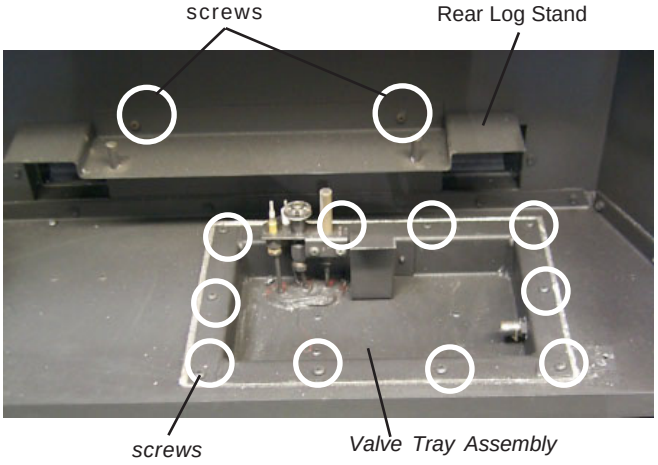


Diagram 2: Rear Log Stand & Valve Tray Assembly

INSTALLING VALVE

1) Attach the valve to the valve bracket with the 4 (m5x8 metric) screws provided.

2) Reconnect the "gas out" flare fitting with an 11/16" spanner.

3) Reconnect the "gas out" flare nut with a 13/16" spanner.

4) Install piezo ignitor push button assembly and reconnect wire.

5) Reconnect the quick drop out thermocouple nut with a 9mm spanner.

6) Reconnect the pilot tube nut with a 7/16" spanner.

7**)** Scrape off the old gasket from the floor of the firebox and from the valve tray assembly.

8) Install a new gasket and reinstall the valve tray assembly.

Note: Failure to install a new gasket may severely affect the appliance performance.

9) Reinstall the 10 hold down screws.

10) Hook up the 2 TP and 2 TH wires to the appropriate connections on the valve.

11) Reinstall the front log stand.

12) Install Burner/grate assembly.

13) Hook up the gas line and check for gas leaks with a soap and water solution or a gas leak detector. (Do not use open flame for leak testing.)

14) Fire up the unit temporarily.

15) Check the manifold pressure.

16) Reinstall the logs and brick panels as needed.

17) Close the door and replace the louvres.

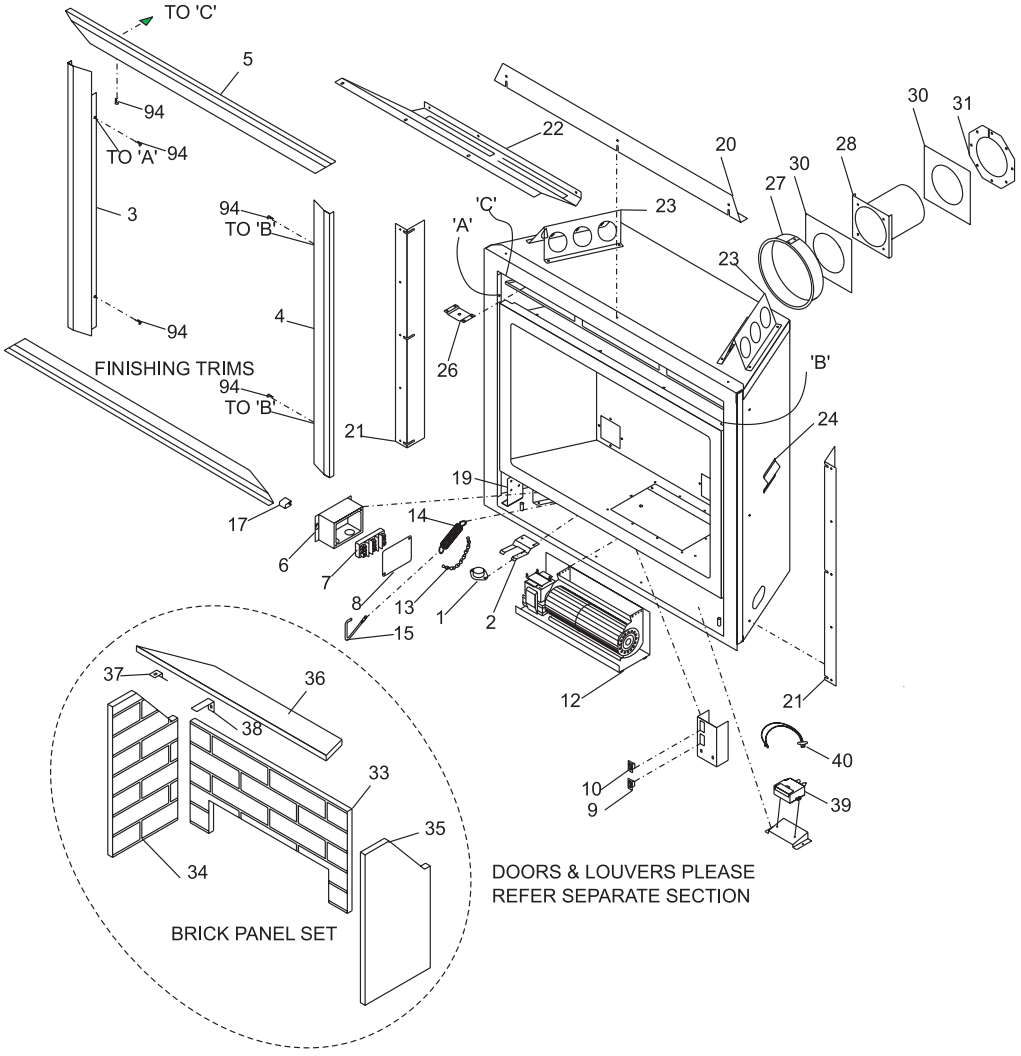
18) Fire up the unit again and check for proper flame appearance and glow on logs.

Main Assembly

Part#:	Aust.	New Zealand	Description
1)	910-142	560037	Thermodisc-Fan Auto ON/OFF
2)	*		Thermodisc Bracket
	430-940		Finishing Trim (3 pc. set) - Black
	430-942		Finishing Trim (3 pc. set) - Brass
	430-959		Finishing Trim (3 pc. set) - Steel
	430-960		Finishing Trim (4 pc. set) - Steel
3)	*		Finishing Trim Left
4)	*		Finishing Trim Right
5)	*		Finishing Trim Top
6)	510-125		Terminal Block Housing
7)	910-184		Terminal Block
8)	510-126		Terminal Block Cover
9)	910-140	560036	Fan Switch HIGH/OFF/LOW
10)	910-246	560024	Burner Switch ON/OFF
12)	430-518/P		Fan Assembly - 2 speed (240 Volts)
	910-714		Power Cord (240 Volts)
	910-169/P		Fan Motor
	910-716		Wire Harness (Fan End)
	910-809	560232	Wire Harness (Stove End)
13)	948-045		#12 Jack Chain
14)	948-115		Door Extension Spring
15)	948-247		Spring Lever
17)	*		Wire Holder Clip
19)	430-044		Bottom Support Bracket Left/Right

Aust.	New Zealand	Description
20) 430-031		Top Nailing Strip
21) 430-032		Side Nailing Strip
22) 430-010		Firebox Baffle
23) 430-001		Top Standoff
24) 510-010		Standoff - Side/Back
26) *		Louvre Hold Down
27) *		Outer Flue Collar
28) *		Inner Flue Collar Assembly
30) *		Gasket - Flue Collar
31) *		Flue Mounting Plate
432-928		Brick Panel Set (Optional)
33) 902-319		Brick Panel - Rear
34) 902-320		Brick Panel - Left Side
35) 902-321		Brick Panel - Right Side
36) 902-318		Brick Panel - Top
37) 430-056		Brick Clip - Top
38) 430-057		Brick Clip - Bottom
39) 910-073		Spark Generator Battery Holder
40) 910-074		Spark Generator Switch c/w Wire
94) *		Screw #8 x 1/2" self tapping
836-115		Top Thermal Insulation
918-046		Manual
431-969		Conversion Kit - NG to LPG

*Not available as a replacement part.

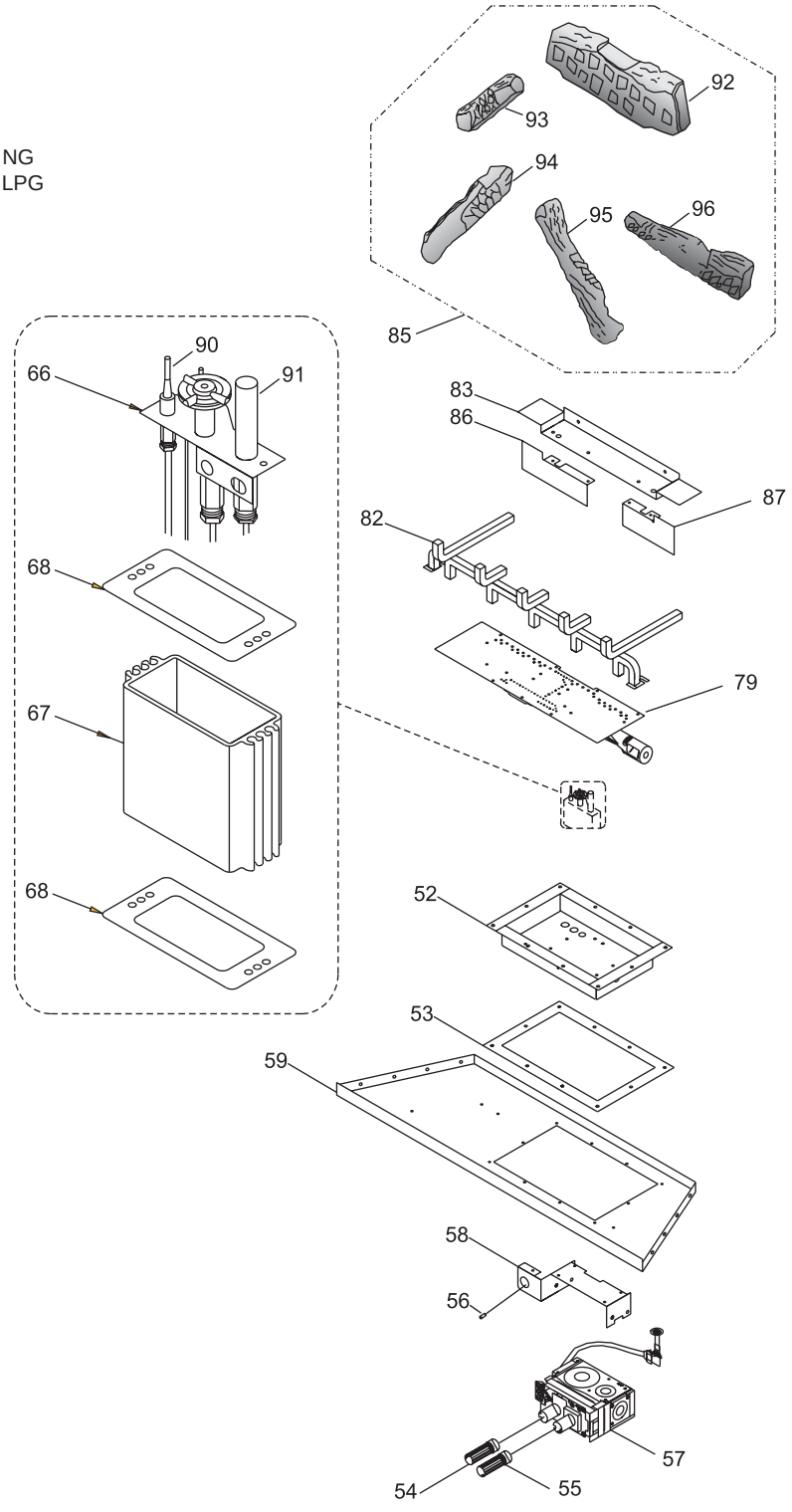


PARTS LIST

Burner & Log Assembly

	Part#: Aust.	New Zealand	Description
	432-560/P		Valve Assy - NG
	432-562/P		Valve Assy - LPG
52)	*		Valve Tray
53)	430-055	556148	Gasket - Valve Access Plate
54)	910-421	560229	Pilot ON/OFF Extension Knob
55)	910-422	560230	Flame HI/LOW Extension Knob
56)	904-438		Black Nylon Hole Plug
57)	910-378	560031	SIT Valve - NG
	910-380		SIT Valve - LPG
58)	*		Valve Bracket
59)	*		Firebox Base
65)	*		Pilot Bracket
66)	910-038		Pilot Assy - 3 way flame - SIT - NG
	910-039		Pilot Assy - 3 way flame - SIT - LPG
	904-655	556153	Orifice #45 - NG (Burner)
	904-163	560192	Orifice #54 - LPG (Burner)
	936-170	556174	Orifice Gasket
	910-036		Pilot Orifice - NG
	910-037		Pilot Orifice - LPG
67)	*		Pilot Holder
68)	W840470		Pilot Assembly Gasket
79)	431-515	556287	Burner Assembly
82)	430-100		Grate
83)	430-101		Rear Log Support Bracket
85)	431-930	431-930	Log Set
86)	*		Air Deflector-Left (Nat. Gas)
87)	*		Air Deflector-Right (Nat. Gas)
90)	910-386		Thermocouple
91)	910-341		Thermopile
92)	902-250		Rear Log
93)	902-251		Rear Left Log
94)	902-253		Front Left Cross Log
95)	902-252		Front Right Cross Log
96)	902-254		Middle Cross Log

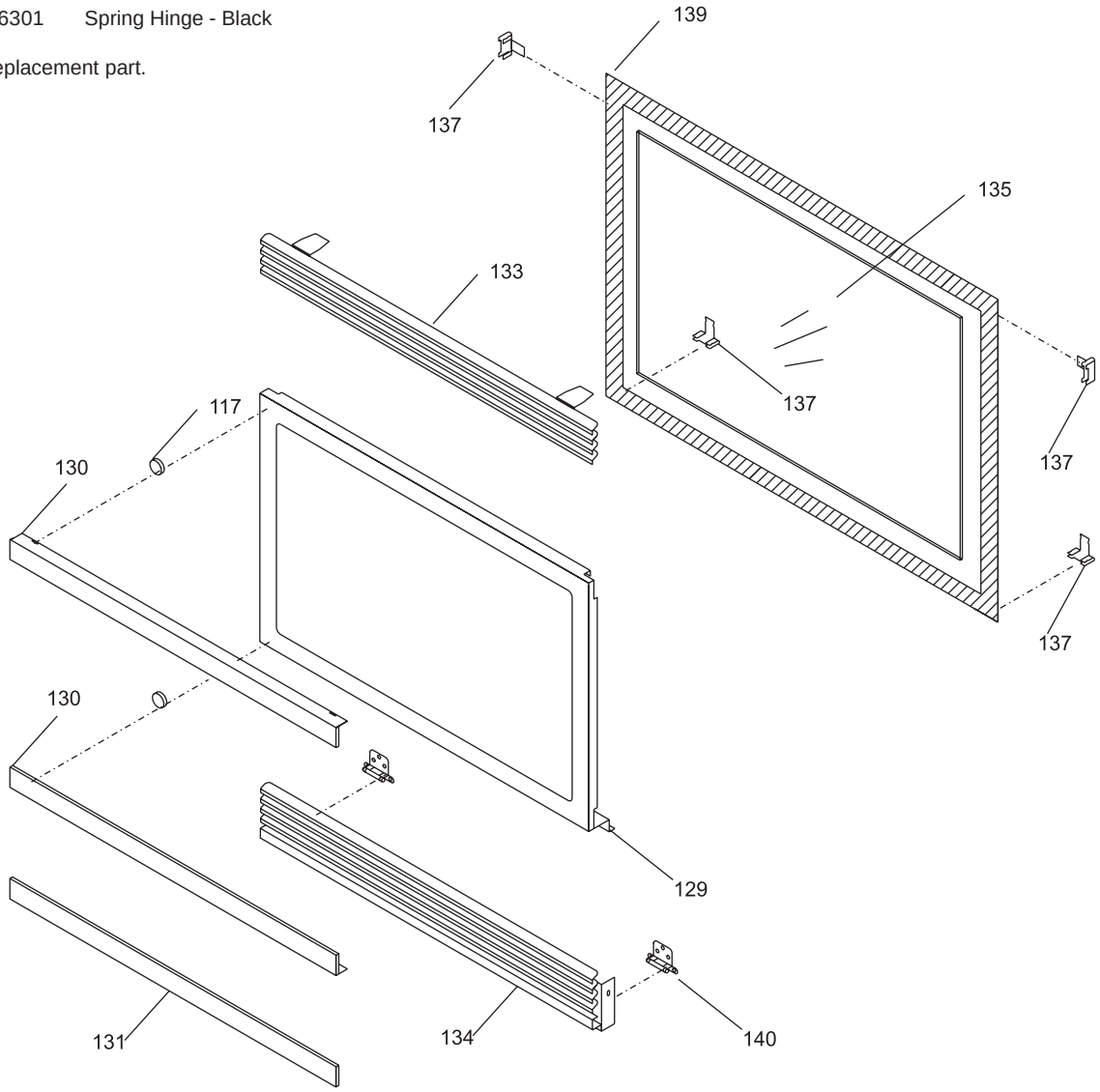
*Not available as a replacement part.



Flush Front & Louvres

Part#:	Aust.	New Zealand	Description
130)	430-924		Flush Glass Trim - Gold (Set)
	430-926		Flush Glass Trim- Brass (Set)
	430-947		Flush Glass Trim - Steel (Set)
132)	904-196	560049	Magnet (1" round)
	430-538		Flush Door Assembly
	430-954		Flush Louvres - Steel/Black
	430-952		Flush Louvres - Gold/Black
	430-953		Flush Louvres - Brass/Black
	430-951		Flush Louvres - Black
133)	*		Flush Louvre Assy-Top
134)	*		Flush Louvre Assy-Btm
135)	940-088/P		Glass (Flush)
137)	904-691	556291	U-Clip
139)	936-155	556283	Glass Gasket (Tadpole)
140)	948-042	556301	Spring Hinge - Black

*Not available as a replacement part.



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THE MASPORT EXPRESS WARRANTY

All new Masport Gas appliances are warranted, subject to the following conditions, to be free from defects in material or workmanship under normal use. The Express Warranty on all parts, including firebox components but excluding fans, flues and flue accessories is two years from date of original purchase as well as labour costs involved in the repair or replacement. The Express Warranty on fans, flues and accessories is for a period of twelve months from date of original purchase and includes labour costs involved in the repair or replacement.

This Express Warranty applies only with respect to defects in material and workmanship under normal and proper use of the NEW UNIT in its unmodified condition. Masport's obligation under this Express Warranty is limited to the repair or replacement, at its option, by an approved Masport Gas Service Agent (Retailer) of any part found to be defective in material or workmanship.

Labour costs involved in the repair or replacement are also covered under this Express Warranty as per the time condition outlined.

If an approved Masport Gas Service Agent is requested to attend on a service call that is not covered under this Express Warranty, a call out charge may be applicable, regardless of whether a repair is carried out or not.

Masport can accept no obligation whatsoever for any incidental, consequential or special damages or expenses resulting from any product defect. This Express Warranty applies from the date of original purchase, applies to the original purchaser, and is not transferable. The decision to repair or replace defective components will be made by Masport or its agent and actioned by an approved Masport Service Agent.

This Express Warranty Does Not Cover:

1. Defects, malfunctions or failures caused by incorrect installation, normal wear and tear, misuse, neglect, accidental damage or failure to follow the fuel selection, product operating and maintenance instructions, or resulting from installations, repairs or modifications to the equipment carried out by unauthorised persons.
2. Defects, malfunctions or failures caused by an act or omission of other persons after the product has left Masport's control.
3. The costs of collection and delivery of the equipment.
4. The cost of labour or materials as a consequence of faulty installation of gas supply line, flue, burner or log settings, or non-compliance with local codes.

The Express Warranty is not intended to exclude any rights the purchaser may have under the laws of the place, state, or country of purchase. Nothing in this Express Warranty limits or restricts any other statutory right or remedy available to the purchaser.

How You Obtain Warranty Service:

Provide proof of the date of purchase. Should the need for a warranty claim arise reasonable proof of the purchase date is required therefore you should retain your sales receipt. Where flueless appliances are not permanently installed, they should be returned to a Service Agent for evaluation.

Make the faulty part(s) available for inspection by Masport and/or its agents so that the validity of the claim can be established by them.

Australia Distributor:

Masport Pty Limited
P.O. Box 533
Braeside, Victoria, 3195

New Zealand:

Masport Limited
P.O. Box 14-349
Panmure
Auckland 6

For your own records, please complete the following:

Model: _____ Serial Number: _____

Retailer: _____

_____

Purchase Date: _____

Printed in Canada