Owners & Installation Manual

Masport®

P36 Gas Inbuilt

Calais / Grenada

Models:
P36-NG3
P36-LPG3

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
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.

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.**

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 - Australia
54 Boundary Rd. Braeside
P.O. Box 553
Mordialloc 3195

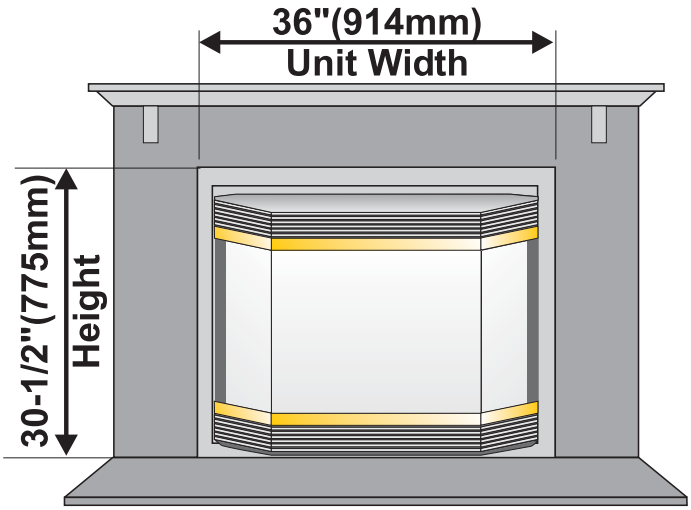
Head Office - New Zealand
1-37 Mt Wellington Hwy.Panmure,
P.O. Box 14349
Auckland 6.

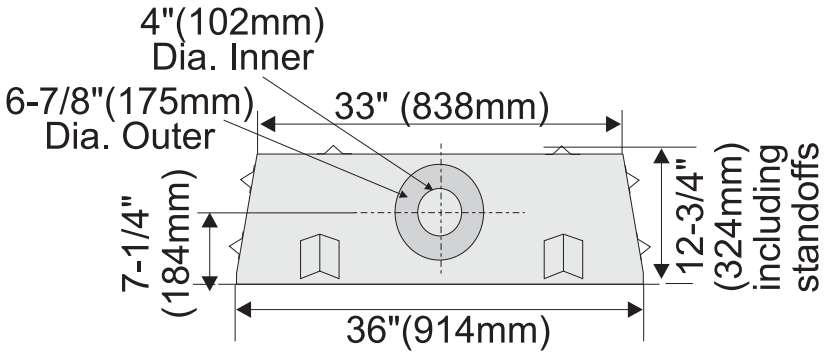
918-015c 01/16/04

TO THE NEW OWNER:

Congratulations!

You are the owner of a state-of-the-art Gas Fire by MASPORT LTD. The P36 has been designed to provide you with all the warmth and charm of a wood fireplace at the flick of a switch. The model P36 has been approved by the Australian Gas Association for both safety and efficiency. 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.





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SAFETY LABEL

This is a copy of the label that accompanies each P36 Zero Clearance Room Sealed Gas Fireplace. We have printed a copy of the contents here for your review. The label is located on the front inside base of the unit, visible when the bottom louvre is open.

DATA BADGE 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

Model	○	○	○	○
Gas Type	**NG**	**LPG**	**NG**	**LPG**
Model	**P36-NG**	**P36-LPG**	**I31-3NG**	**I31-3LPG**
Gas Consumption	33mj.	31mj.	31mj.	31mj.
Manifold Pressure	1.0kP	2.7kPa	9kPa	2.59kPa
Injector Size -Front:	1x#37	1x#52	1x#37	1x#52
	2.65mm	1.6mm	2.65mm	1.6mm
- Rear	NA	NA	NA	NA
AGA Approval number to Code Ag103	5815	5815	5498	5498

Distributed by:

Masport Pty. Ltd.
Industrial Drive
Braeside, Victoria. 3195

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

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

Electrical Conforms to AS3100 240V 50Hz 1.0 amp Max.

N329

Serial Number 237

908-063c

○ **THE GUARD IS FITTED TO THIS APPLIANCE TO REDUCE THE RISK OR 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.

(Australia Only)

IMPORTANT:

SAVE THESE INSTRUCTIONS

The P36-NG or P36-LPG Room Sealed Fireplace must be installed in accordance with AG 601 and NZS 5261 5261 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 A AUTHORISED SERVICE PERSON. THE APPLIANCE SHOULD BE INSPECTED BEFORE USE AND AT LEAST ANNUALLY BY AN AUTHORISED 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. DO NOT USE AEROSOLS IN THE VICINITY OF THIS APPLIANCE.

GENERAL SAFETY INFORMATION

1) The appliance shall be installed in accordance with the manufacturer's installation instructions,local gas fitting regulations, municipal building codes, water supply regulations, electrical wiring regulations, with AG 601 (AGA gas installation code) NZS 5261 (New Zealand)

2) Installation and repair should be done ONLY by an authorised person.

3) THIS APPLIANCE IS NOT INTENDED AS A FIREPLACE INSERT. DO NOT CONNECT TO MASONARY FLUE.

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 authorised service person. An authorised 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).

INSTALLATION CHECKLIST

1) Locate appliance
- a) Room location, page 6
- b) Clearances to Combustibles, pages 6 - 8.
- c) Mantle Clearances, page 7
- d) Framing & Finishing Requirements, page 8
- e) Flueing Requirements, pages 9-17.

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

3) Install flue, pages 9-17.

4) Make gas and electrical connections. Test the pilot. Must be as per diagram. Page 18.

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

6) Install log set where indicated on page 19.

7) Install Flush Door Front (Standard) and optional Flush Gold Trim, page 21.

8) Install Optional Bay Front and optional Bay Gold Trim, page 22.

9) Install Louvres (Flush or Bay), pages 21-22.

10) Install optional Remote Control, or Wall Thermostat, page 26.

11) 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 30,000 Btu/h) 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 FIRE

1) When selecting a location for your fire, 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 P36 Co Axial Flue Gas Fireplace can be installed in a recessed position or framed out into the room as in A, B, C, D. See Diagram 1.

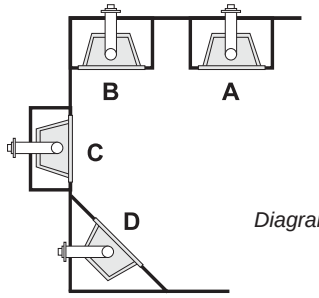


Diagram 1

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

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 P36 Co Axial Flue 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.

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 27.

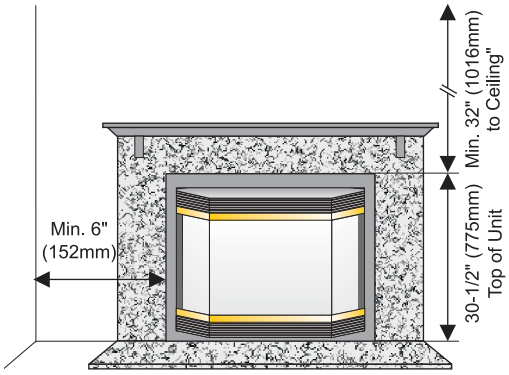
CLEARANCES

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)



Clearances for Bay or Flush Front

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* Minimum	7"	(177mm)
Ceiling from top of unit.	32"	(1016mm)
Side Wall Clearance		
Bay or Flush Front	6"	(152mm)
Barcelona Trim	8"	(203mm)
Horizontal Flue Clearances		
Top	2"	(51mm)
Side	1-1/2"	(38mm)
Bottom	1-1/2"	(38mm)
Vertical Flue Clearances	1-1/4"	(32mm)
Alcove Clearances:**		
Max. Depth	36"	(914mm)
Min. Width	48"	1219mm)
Min. Height	72"	1829mm)

** see mantle clearance instructions (pages 7 & 8).*

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 Diagrams 1 & 2.

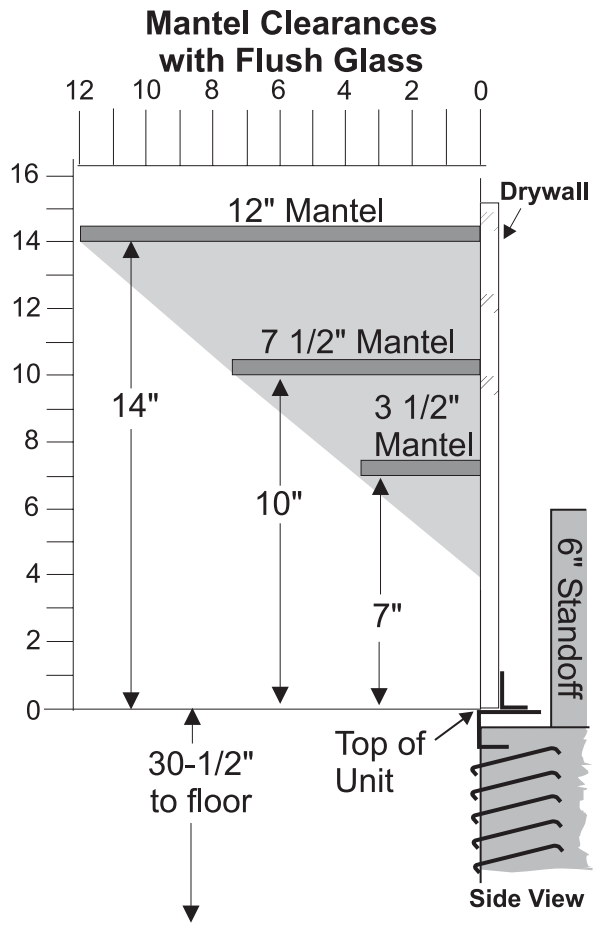


Diagram 1

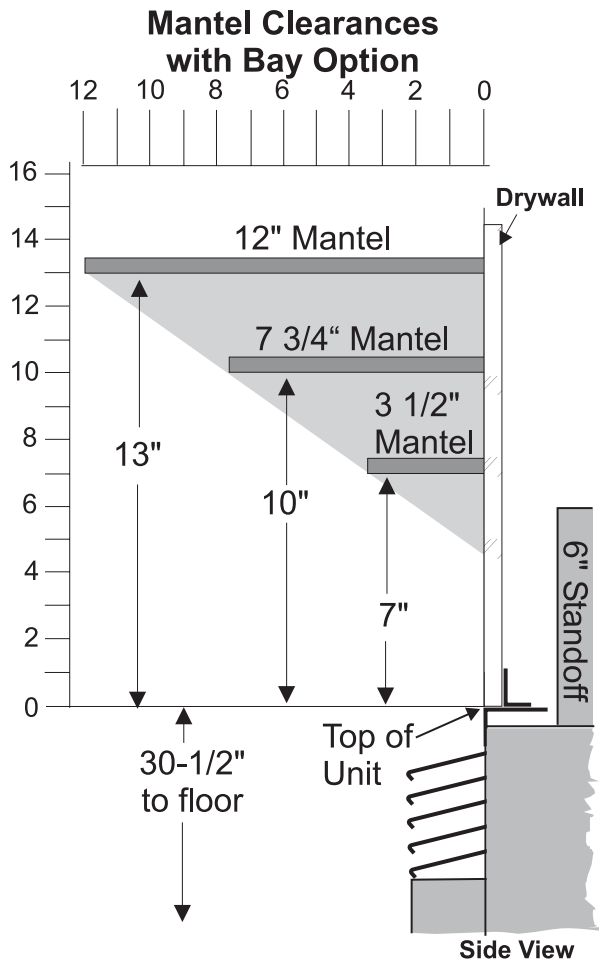


Diagram 2

These drawings are 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 the paint that is used on the mantel and the facing is "heat resistant" or the paint may discolour. Also the material from which the mantel is made from must be heat resistamt to 85°C.

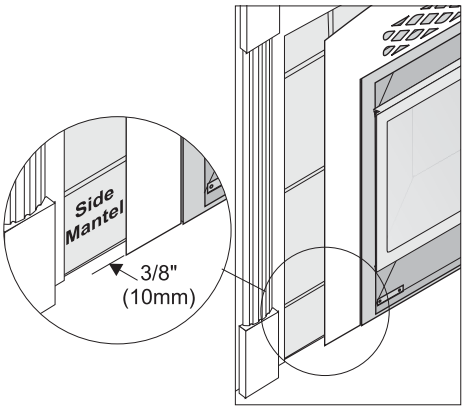
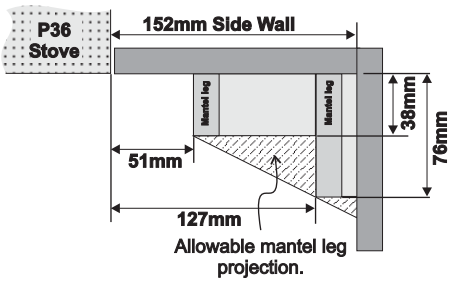


Diagram 2

MANTEL LEG CLEARANCES

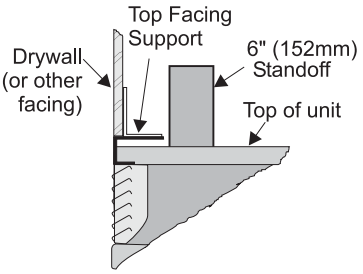
Combustible mantel leg clearances as per diagram below:



Maximum 38mm projection at 51mm minimum clearance.

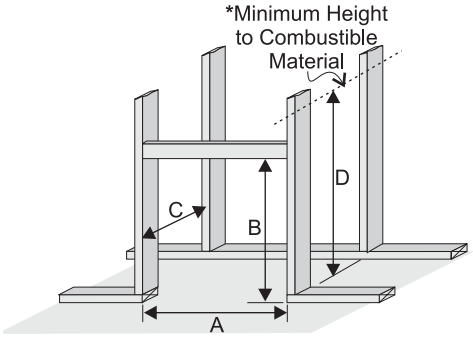
FRAMING AND FINISHING

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.



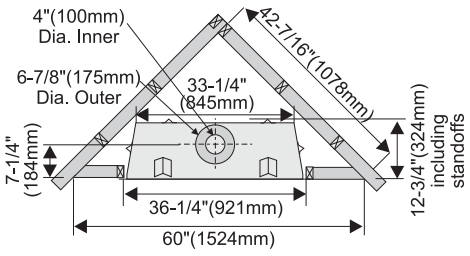
Install Side Nailing Strips, Top Facing Support, and Top Standoffs before unit is slipped into position. See page 9 for assembly details.

2) Frame in the enclosure for the unit with framing material. The framed opening is 36-1/4" high x 36-1/4" wide x 12-3/4" deep (921mm high x 921mm wide x 324mm deep).



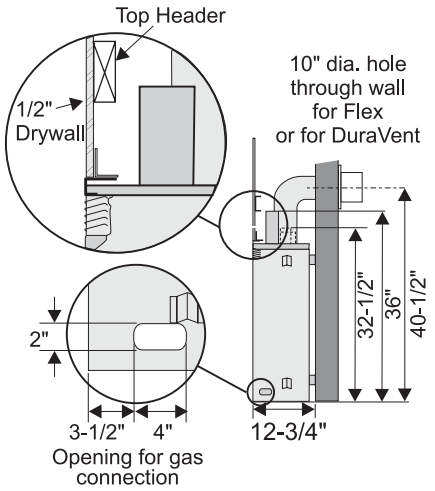
Framing Dimensions			
A	B	C	D
36-1/4"	36-1/4"	12-3/4"	46"*
921mm	921mm	324mm	1168mm*

*'D' is Minimum height to combustible materials including the Minimum 2" (51mm) Top clearance to the Horizontal Flue, see flue clearances on page 6.



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 32" (813mm) to the ceiling.



Note: 40-1/2" (1029mm) is the minimum height for flex termination.

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 flue to combustible materials for flex.

5) Use steel studs for framing where the 1-1/2" (38mm) clearance from the flue to combustible material cannot be maintained, e.g. front top header.

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.

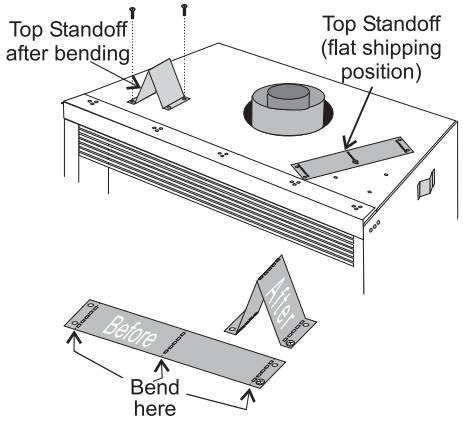
Top Standoff Assembly

The top standoffs are shipped in a flat position and must be folded into shape and attached.

1) Remove the standoffs from the fireplace top.

2) Take each standoff and bend into the correct shape. Bend up at the bend lines until the screw holes in the standoff and the pre-punched screw holes on the fireplace top line up.

3) Attach the standoff securely to the top with 2 screws per standoff (on opposite corners).



Top Facing Support and Side Nailing Strips

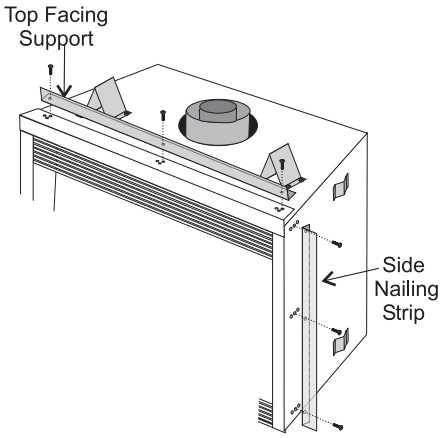
Determine the total thickness of facing material (e.g. drywall plus ceramic tiles) to allow the finished surface to be flush with the front of the unit. Total facing thickness can vary from 1/2" (13mm) to 1-1/4" (32mm) thick.

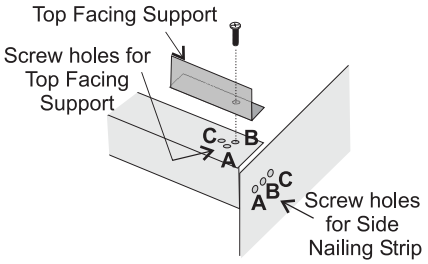
The Top Facing Support & Side Nailing Strips can be mounted in 3 different positions depending on the thickness of the facing material.

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

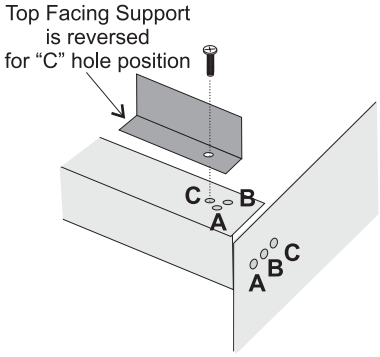
***** For "C" screw position the top facing support is reversed.

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.

FLUEING INTRODUCTION

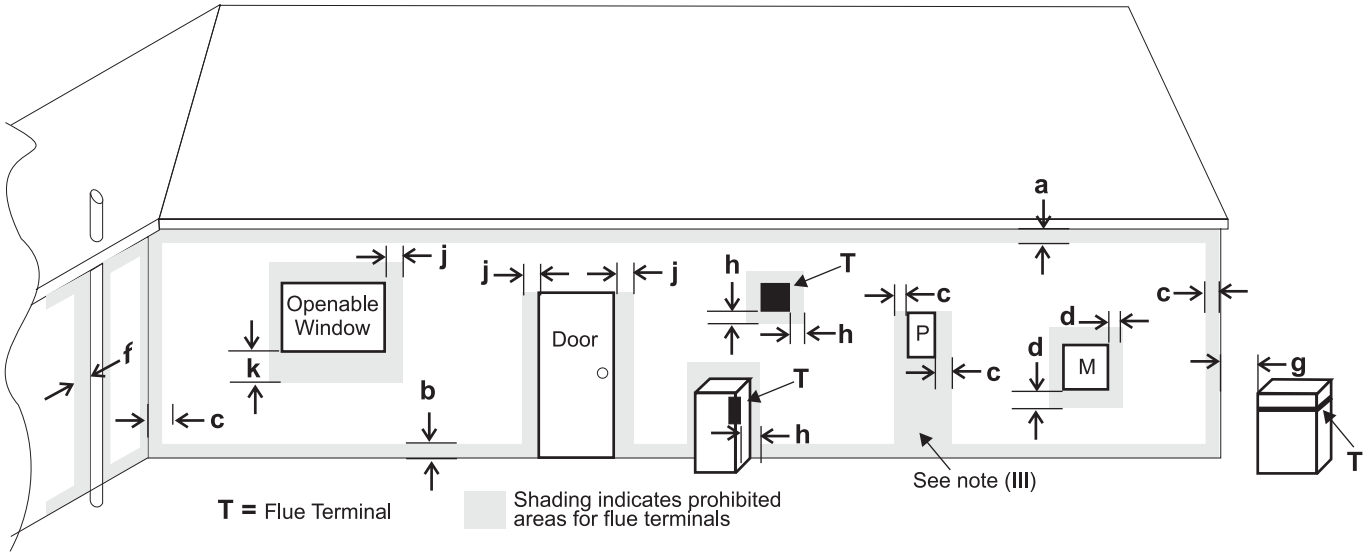
The P36 uses the "balanced flue" technology Co Axial system. The inner liner flues products of combustion to the outside while the outer liner draws outside combustion air into the combustion chamber thereby eliminating the need to use heated room air for combustion and losing warm room air up the chimney.

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 Co Axial Flue gas appliance must use it's own separate flue system. Common flue systems are prohibited.

Flues must be installed in accordance with these instructions and with the specific instructions with each flue kit. Where required always refer to either AG 601 or NZS 5261:2003.

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

Direct Flue System (Flex)
Horizontal Terminations Only

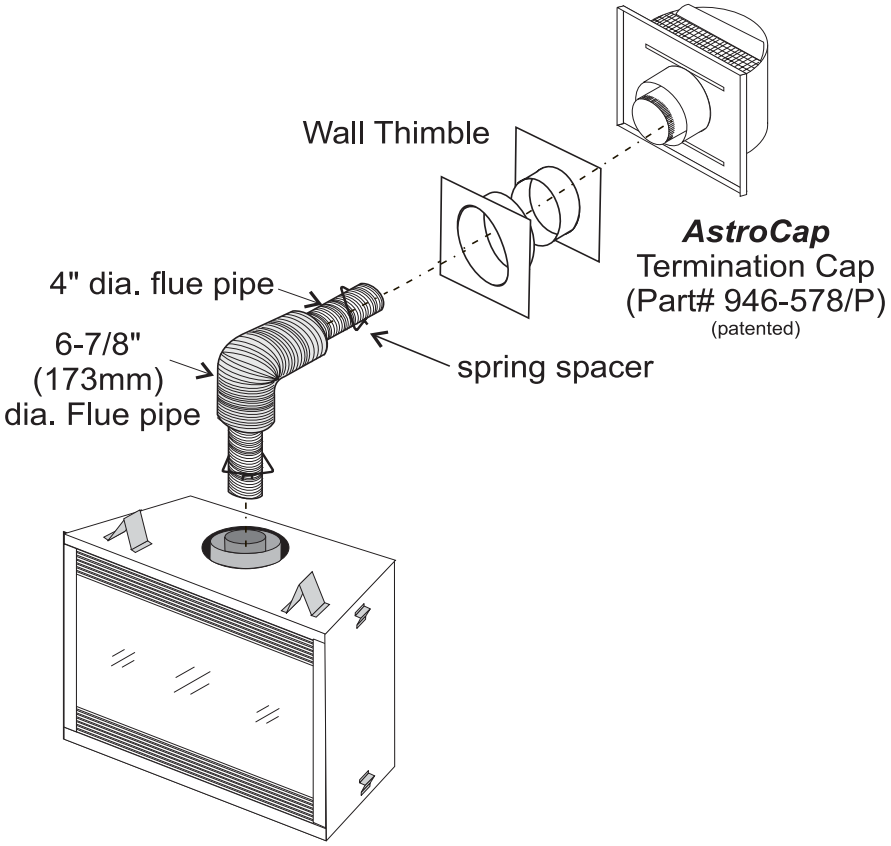
These flueing systems, in combination with the P36 Room Sealed Gas Fireplace, have been tested and listed as a Direct Vent type flue system by the Australian Gas Association. The location of the termination cap must conform to the requirements in the Flue Terminal Locations diagram on page 10.

Direct Flue (Flex) System Termination Kit (Part # 946-515) includes all the parts needed to install the P36 with a maximum run of 1.2m.

1) 175mm dia. flexible liner (1200mm length)
2) 100mm dia. flexible liner (1200mm length)
3) spring spacers (4)
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)

If longer runs are needed, the Direct Flue system (Flex) # 946-516 includes all the parts needed to install the P36 with a maximum 3.0m run.

1) 175mm dia. flexible liner (3.0m length)
2) 100mm dia. flexible liner (3.0m length)
3) spring spacers (7)
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.

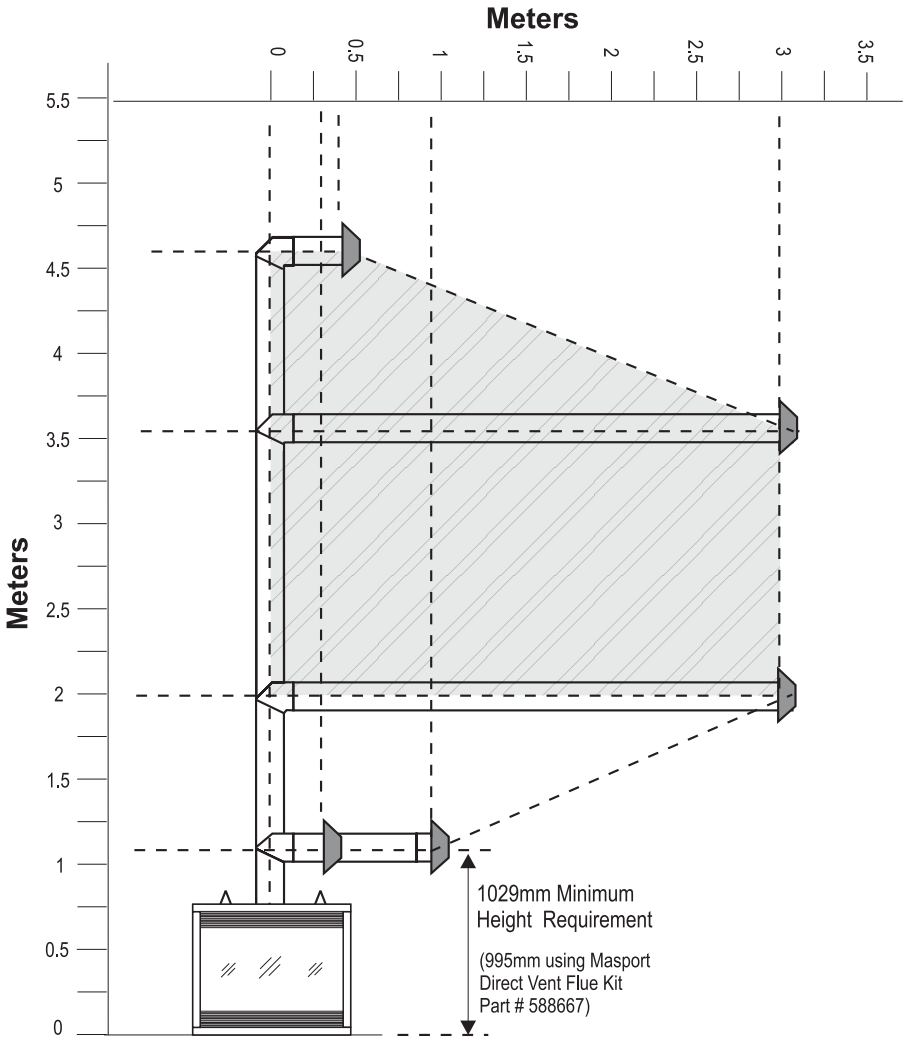
3) If you are installing the P36 into a Masport Mantel Kit, use the minimum horizontal vent height (centre-line of 1029mm). Remember to include the mantel base in your calculations and to maintain the 32mm clearance (38mm with Flex) to the underside of the mantel top.

FLUEING ARRANGEMENTS - HORIZONTAL TERMINATIONS

MASPORT DIRECT FLUE SYSTEM

(LPG & NG)

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



Masport Flex Vent
4" (102mm) inner diameter
6-7/8" (175mm) outer diameter

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

Note: Masport Co Axial Flue System (Flex) is only approved for horizontal terminations.

Total flue length CANNOT be longer then 3 meters.

- **Maintain clearances to combustibles as listed on pages 6 to 8.**
- **Horizontal flue must be supported every 3 feet (0.9 meters).**

NOTE: If you are installing the P36 into a Masport Mantel Kit, use the minimum horizontal flue height (centre-line of 40-1/2"(1029mm)). Remember to include the mantel base in your calculations and to maintain the 3" (76mm) clearance to the underside of the mantel top.

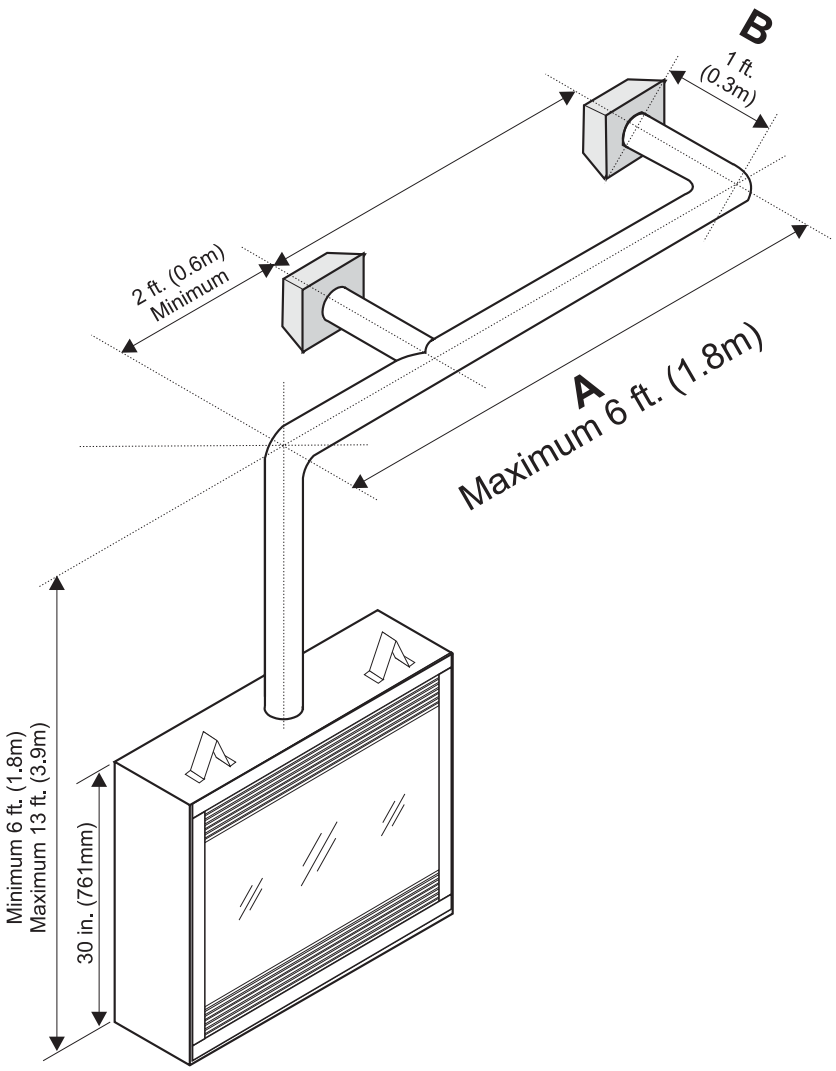
FLUEING ARRANGEMENTS - HORIZONTAL TERMINATIONS

MASPORT CO AXIAL FLUE SYSTEM

(LPG & NG)

The diagram below shows examples of horizontal termination arrangements using two 90° elbows (two 45° elbows equal one 90° elbow).

Note:
1) **A maximum of two 90° elbows are permitted.**
2) **A minimum of 6 ft. (1.8m) vertical from base of unit is required if two 90° elbows are used.**
3) **Minimum distance between elbows is 2 ft. (0.6m).**
4) **Determine the permitted range of horizontal termination arrangements by using chart on page 12 and deducting 3 ft. (0.9m) from the maximum horizontal distance for the second 90° elbow.**



If length "B" is increased, length "A" must be decreased by a corresponding amount.

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

- **Maintain clearances to combustibles as listed on pages 6 to 8.**
- **Horizontal flue must be supported every 3 feet (0.9 meters).**

FLUEING ARRANGEMENTS - VERTICAL TERMINATIONS

The P36 is approved for a 23 ft. (7.0m) vertical, with a maximum 12 ft. (3.7m) horizontal offset using two 90º elbows (two 45º elbows equal one 90º elbow), as per diagram 1.

The P36 is approved for a 37 ft. (11.3m) straight vertical, including a 20" (0.5m) horizontal offset using two 90º elbow (two 45º elbows equal one 90º elbow), as per diagram 2.

- **Flue must be supported at offsets**
- **Maintain clearances to combustibles.**

Note: Masport Co Axial Flue System (Flex) is only approved for horizontal terminations.

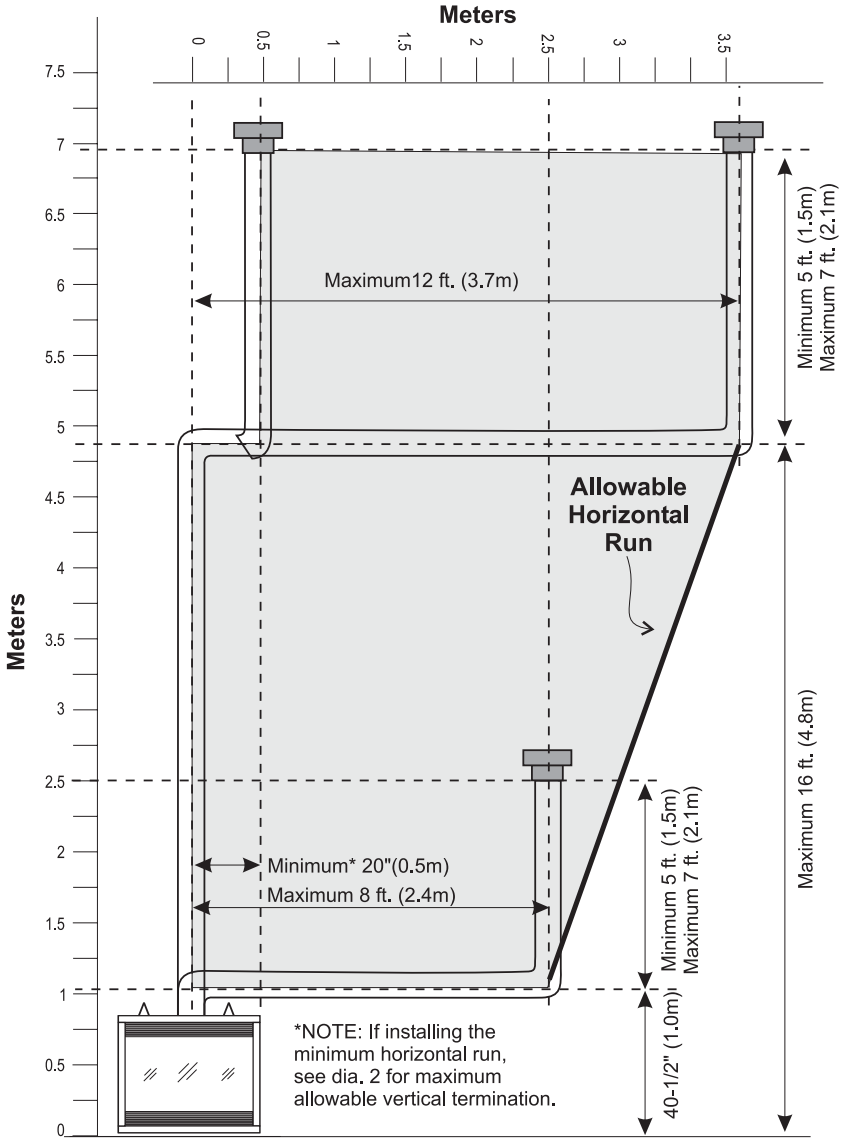


Diagram 1

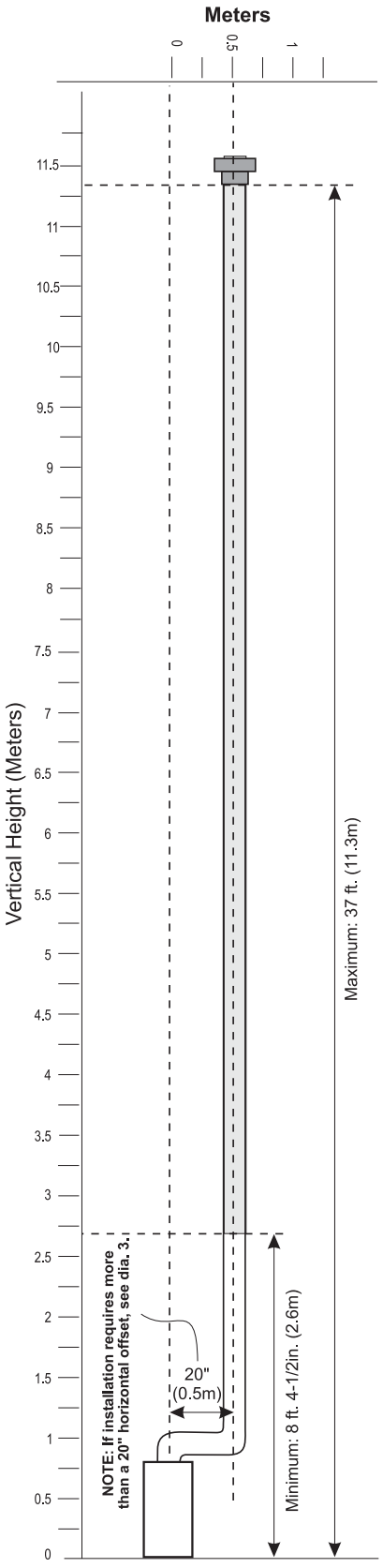


Diagram 2

The P36 is approved for a 37 ft. (11.3m) straight vertical, as per the diagram 3.

The shaded area in diagram 3 shows all allowable combinations of straight vertical and offset to vertical terminations. Maximum two 45° elbows allowed.

- **Flue must be supported at offsets**
- **Maintain clearances to combustibles as listed on pages 6 to 8.**

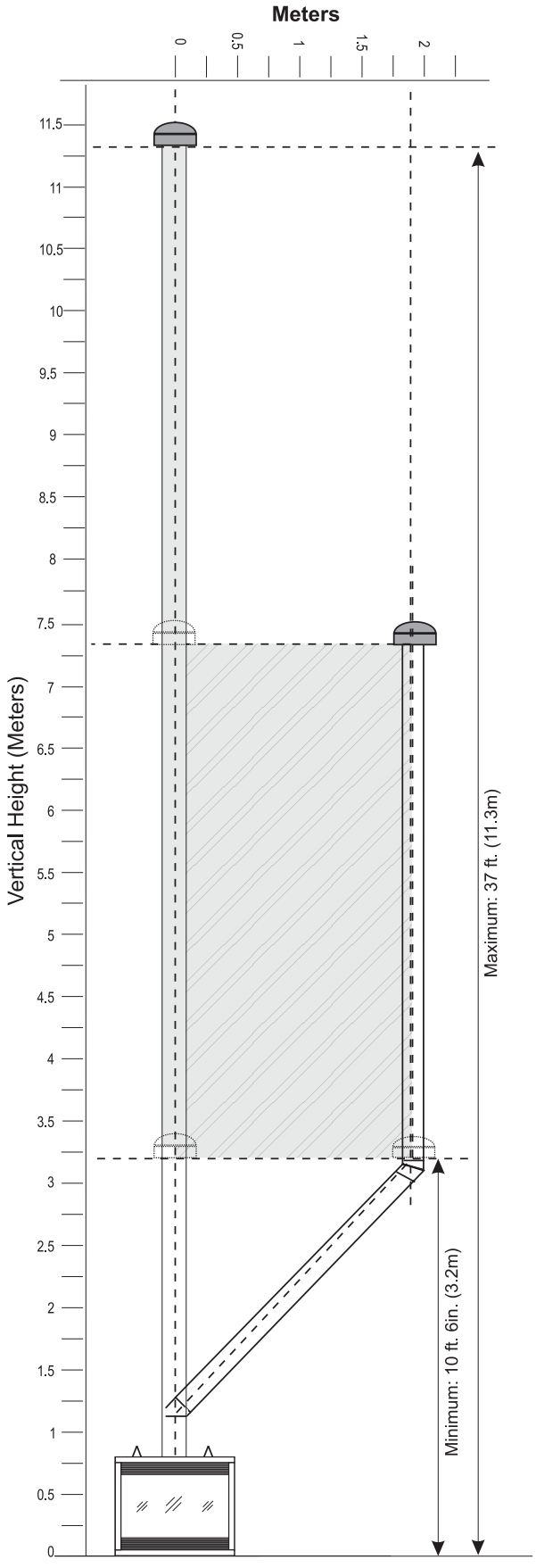


Diagram 3

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.

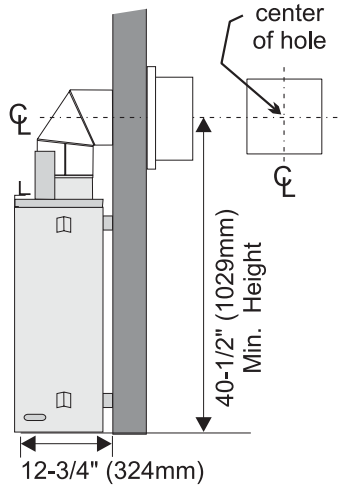
2) Put a bead of silicone inside the outer section of the adapter and a bead of Mill-Pac on the inner collar. Slip the adapter over the existing inner and outer flue collar and fasten to the outer collar only with the 3 supplied screws (drilling pilot holes will make this easier). Level the fireplace 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 and twist-lock for a solid connection.

Note: Apply sealant "Mill-Pac" to inner pipe and high temperature silicone sealant to outer pipe.

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) diameter 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.

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

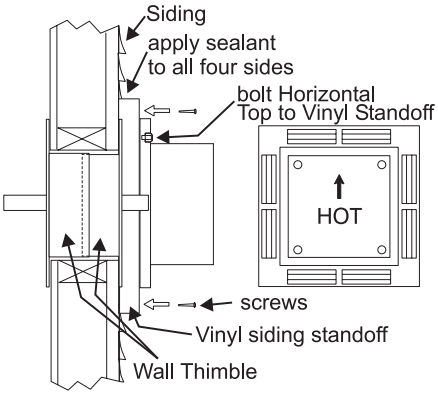


Diagram 1

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 by attaching the two sheet metal strips extending from the flue cap assembly into the outer wall of the flue pipe. Use the two sheet metal screws provided to connect the strips to the pipe section. See Diagram 2.

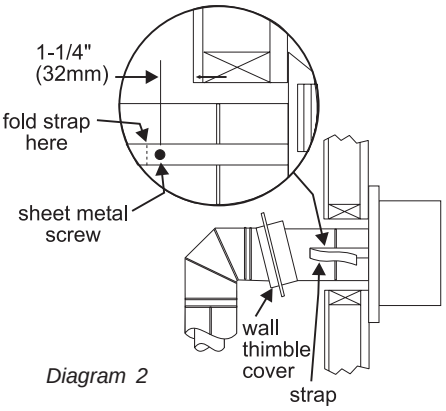


Diagram 2

8) Install wall thimble in the center of the 10" square and attach with wood screws. See Diagram 3.

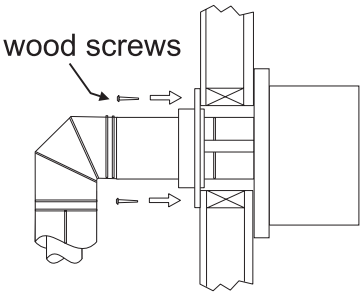


Diagram 3

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 14-15 for the maximum vertical rise of the flueing system and the maximum horizontal offset limitations.

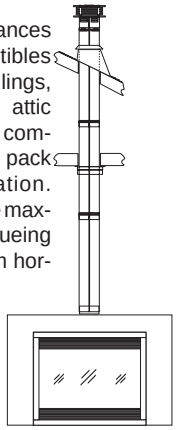
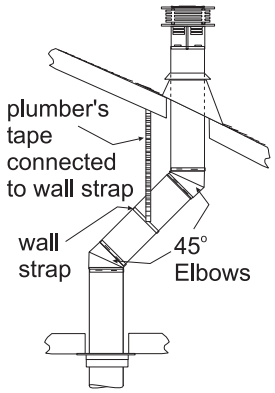
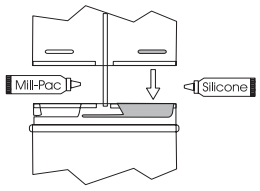


Diagram 1

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. Determine if ceiling joists, roof rafters or other framing will obstruct the flueing system. You may wish to relocate the appliance or to offset, as shown in Diagram 2 to avoid cutting load bearing members.

Diagram 2





Note: Apply sealant "Mill-Pac" to inner pipe and high temperature silicone sealant to outer pipe.

3) A Firestop spacer must be installed in the floor or ceiling of every level. To install the Firestop spacer in a flat ceiling or wall, cut a 10 inch square hole. Frame the hole as shown in Diagram 3 and install the firestop.

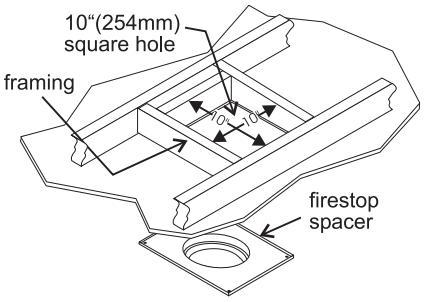


Diagram 3

4) Assemble the desired lengths of pipe and elbows. Ensure that all pipes and elbow connections are in the fully twist-locked position and sealed.

5) 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 4.

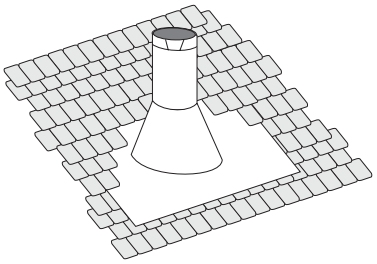


Diagram 4: The upper half of the flashing is installed under the roofing material and not nailed down until the chimney is installed. This allows for small adjustments.

6) 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 (Diagram 2).

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 5 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.

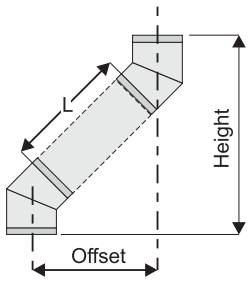
7) Ensure flue is vertical and secure the base of the flashing to the roof with roofing rails, slide storm collar over the pipe section and seal with a mastic.

8) Install the vertical termination cap.

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

Offset Chart

GS 6"(152mm) Nominal Diameter ID					
Offset		Pipe Length (L)		Height	
inches	mm	inches	mm	inches	mm
4 ¾	121	0	0	13 1/4	337
9	229	6	152	17 1/2	445
11 1/4	286	9	229	19 1/2	495
13 1/4	337	12	305	21 3/4	552
21 3/4	552	24	610	30 1/4	768
30 1/4	768	36	914	39	991
38	965	48	1219	47	1194



INSTALLATION

SYSTEM DATA

P36-NG3 System Data
For 0 to 4500 feet altitude **Burner Inlet Orifice Sizes:** #37(2.65mm)
Max. Input Rating 33 mj **Min. Input Rating** 20 mj
Supply Pressure min.1.25 kPa **Manifold Pressure** **(High)** 0.9 kPa
Electrical: 240 V A.C. System. **Circulation Fan**: variable speed 130 CFM. **Log Set**: Ceramic fibre, 7 per set. **Flue System:** Masport Direct Flue System (Flex)

P36-LPG3 System Data
For 0 to 2000 feet altitude **Burner Inlet Orifice Sizes:** #52 (1.6 mm)
Max. Input Rating 31 mj **Min. Input Rating** 18 mj
For 0 to 4500 feet Altitude: **Supply Pressure** min 2.75 kPa **Manifold Pressure** **(High)** 2.7 kPa
Electrical: 240 V A.C. System. **Circulation Fan**: variable speed 130 CFM. **Log Set**: Ceramic fibre, 7 per set.

GAS LINE INSTALLATION

The gas line can be brought through either the right or the left side of the appliance. 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.

Note: If the gas line is being installed from the left side, be sure to leave room to accommodate servicing of the fan.

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 and the AG 601 or NZS 5261 installation code.

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.

AERATION ADJUSTMENT

The air shutter can be adjusted. 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:
8 mm NG
Full Open LPG

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

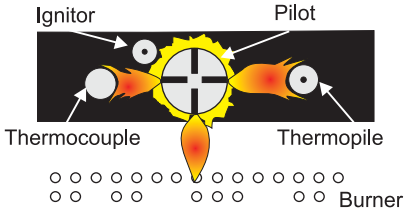
Note: Any damage due to carboning resulting from improperly setting the aeration controls is NOT covered under warranty.

Closed - Tall yellow
Open - Short Blue

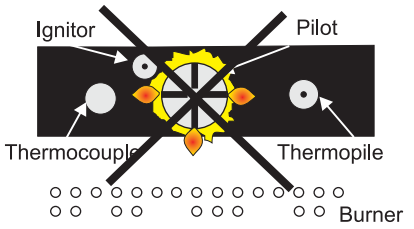
PILOT ADJUSTMENT

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.



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*

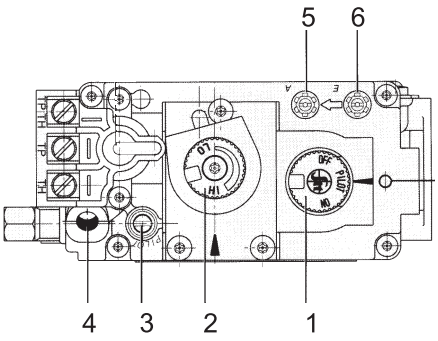
5) Outlet Pressure Tap

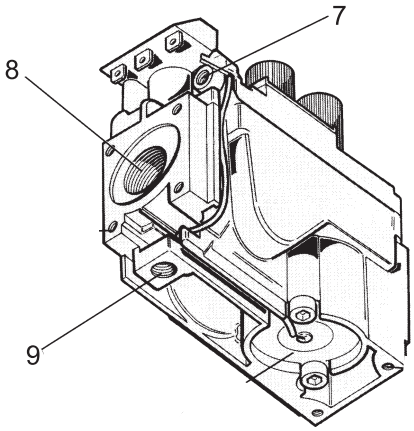
6) Inlet Pressure Tap

7) Pilot Outlet

8) Main Gas Outlet

9) Alternative TC Connection Point



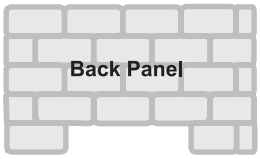


OPTIONAL BRICK PANELS

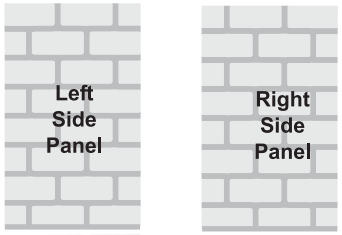
1) Undo the bottom 2 door latches and open and remove glass door. Remove logs.

Note: The logs must not be in the unit.

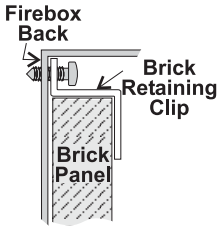
2) Insert the back brick panel first by carefully slipping it between the back wall of the firebox and the rear log bracket.

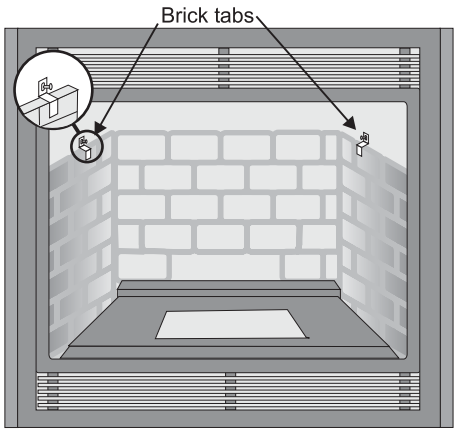


3) Put the side panels in next. Slide them in from the front and push them flat up against the wall. Be very careful not to scratch them on the firebox hardware.



4) Install the 2 brick retaining clips, one on each side.



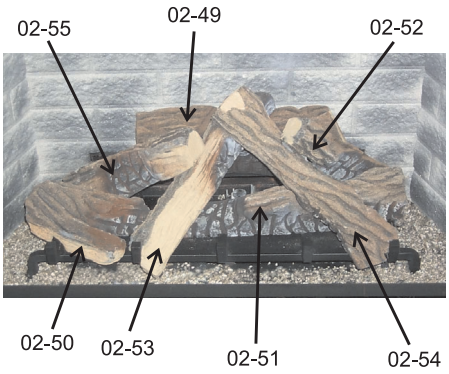


LOG SET INSTALLATION

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 gas log kit (Part # 512-930) contains the following pieces:

a)	02-49	Rear Log	902-236
b)	02-55	Middle Left Log	902-237
c)	02-50	Front Left Log	902-242
d)	02-53	Center Left Log	902-239
e)	02-51	Front Bottom Log	902-241
f)	02-54	Center Right Log	902-238
g)	02-52	Middle Right Log	902-240
h)		Embers	902-156
i)		Vermiculite	902-179/21

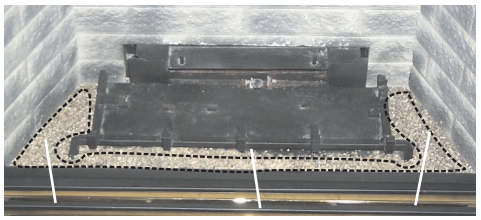


The "02" refer numbers (i.e. 02-49) are molded into the rear of each log.

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.

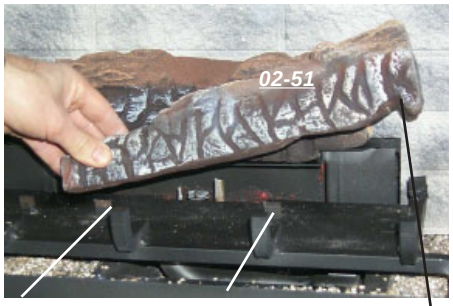


Vermiculite *Vermiculite* *Vermiculite*

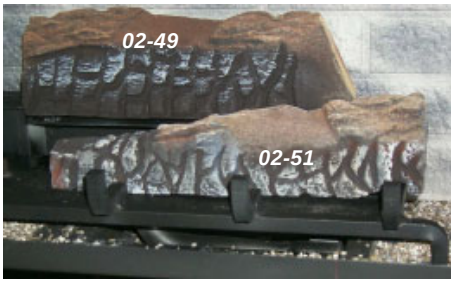
3) Place the Log 02-49 on the rear log support pins with the flat side to the back.

INSTALLATION

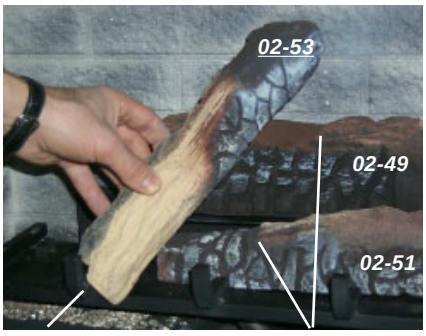
4) Place Log 02-51 on the front right side of the burner. Push the back of the log against the 2 brackets with the notch on the bottom right side of the log fitting into the right side of the grate.



Bracket Bracket Notch

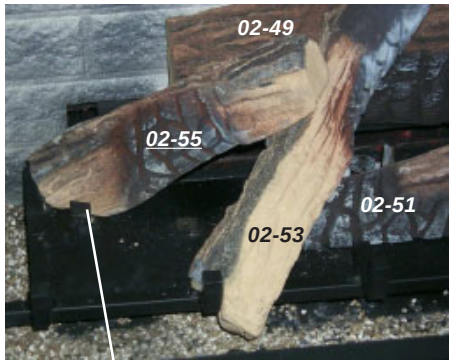


5) Position Log 02-53 across the cutouts in Logs 02-49 and 02-51 with the notch on the left side of the log fitting into the 2nd grate tab.



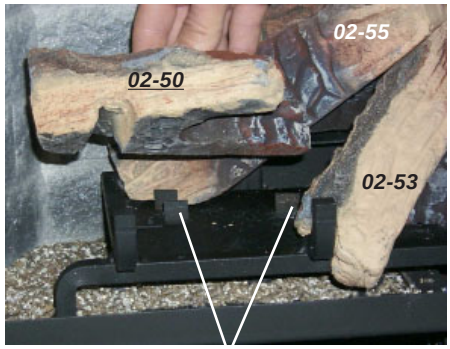
2nd Grate Tab Cutouts

6) Place the bottom left front edge of Log 02-55 against the rear bracket on the burner tray and rest the log on the cutout on Log 02-53.

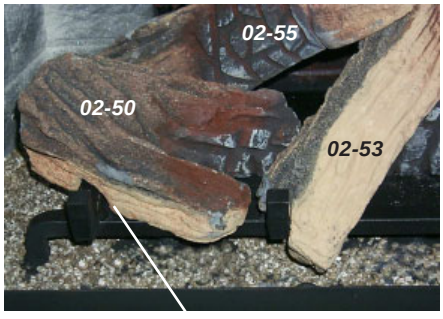


Rear Bracket

7) Sit Log 02-50 on the front left side of the burner. Push the back of the log against the 2 front brackets with the notch on the bottom of the log fitting into the first grate tab.

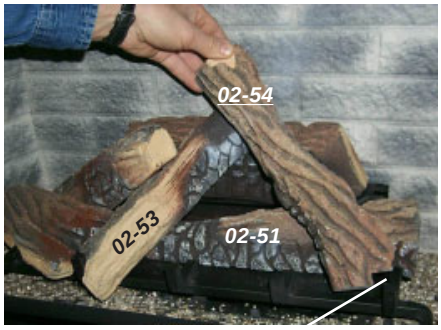


Front Brackets



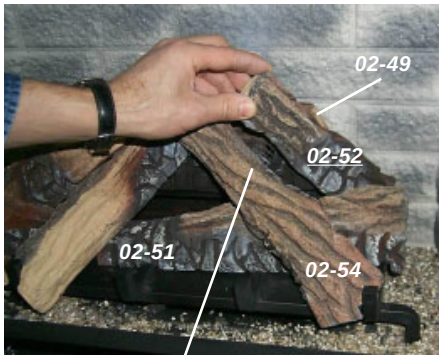
Notch

8) Position Log 02-54 across the cutouts in Logs 02-51 and 02-53. The notch in the bottom right end fitting against the 5th grate tab.

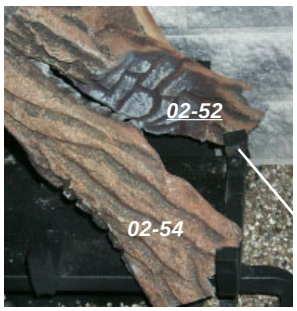


5th Grate Tab

9) Place Log 02-52 between Logs 02-51 and 02-49 and on the indentation on Log 02-54. The bottom right end sits behind the rear grate tab.



Log indentation



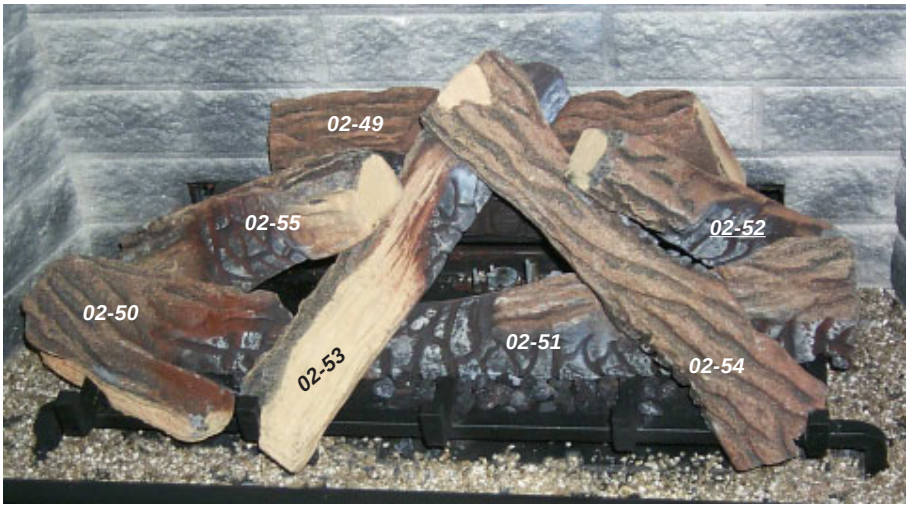
Rear Grate Tab

Photo shows rear grate tab. Log 02-51 was removed to show the positioning of Log 02-52.

10) 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.

Embers



11) 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.

12) 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.

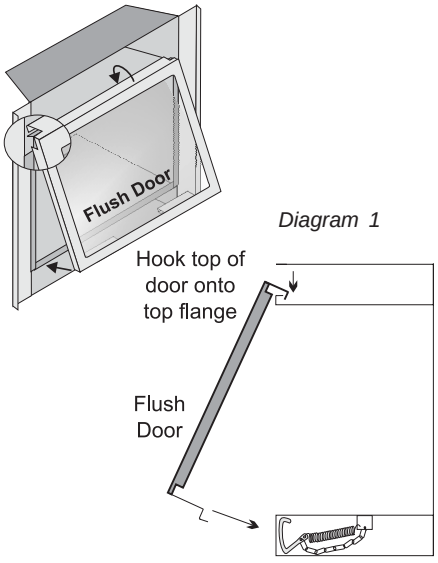


Diagram 1

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.

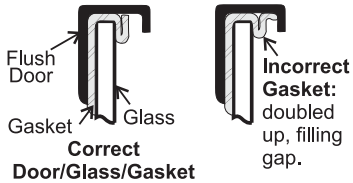


Diagram 2

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.

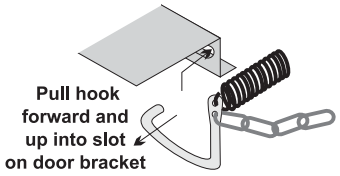
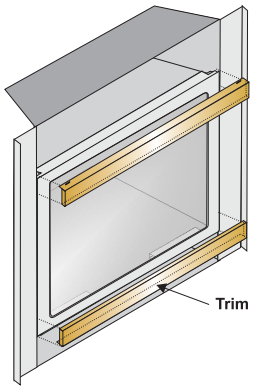


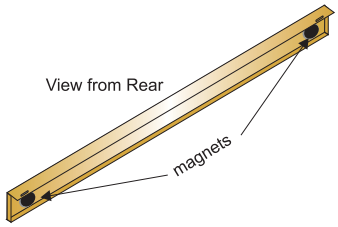
Diagram 3

To remove the flush door, reverse the above steps.

Optional Flush Trim



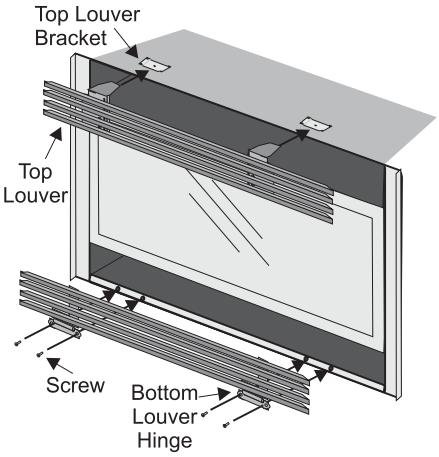
Attach the round magnets to the back of the top trim piece and to the bottom trim piece, then attach trim to the top and bottom of Flush door.



Flush Louvres

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

2) The bottom louvre has a hinge that is attached (2 screws per hinge) to the lip on bottom of the unit.



Note: Top and bottom louvres are different.

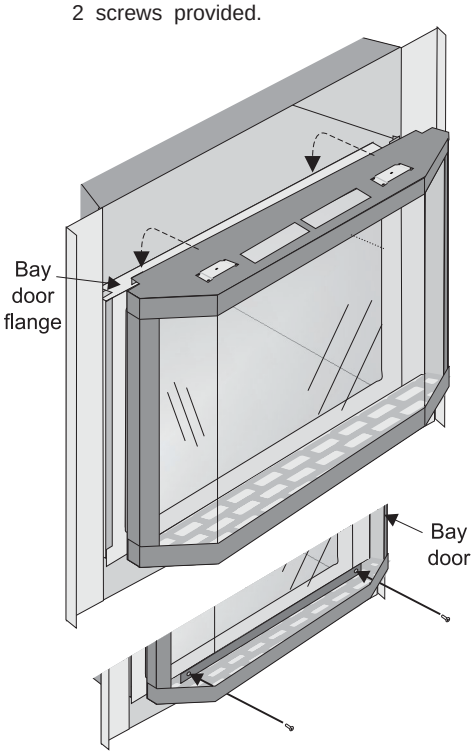
OPTIONAL BAY DOOR

The Bay louvres MUST be used with the Bay glass option.

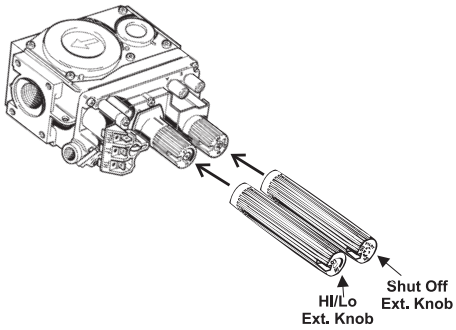
The optional Bay door is an overlay on the flush front. The standard flush door and glass must remain on the unit.

1) Hook the top of the bay door over the flush door flange and swing the bottom against the bottom flange of the flush door.

2) Secure to the flush door bottom bracket with 2 screws provided.



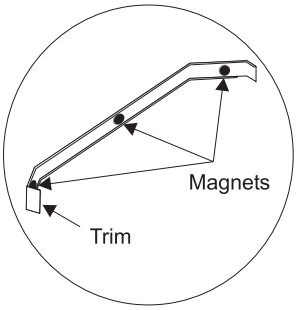
3) Slide the valve extension knobs onto the valve knobs.

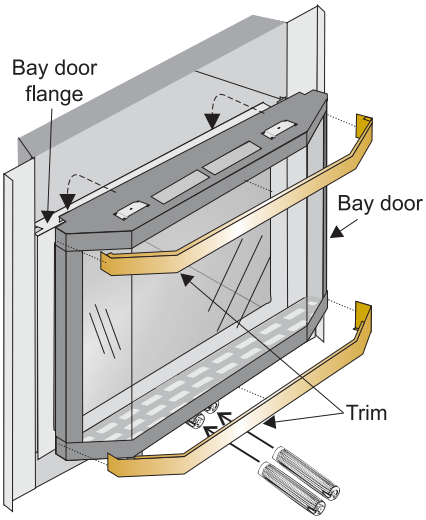


Note: If any maintenance etc. must be done in the firebox, first remove the Bay louvres and door.

Optional Bay Trim

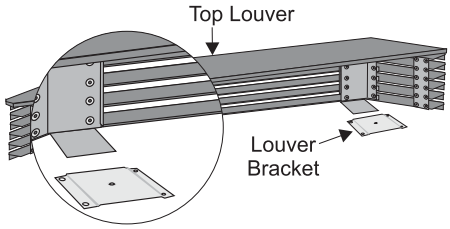
Attach 4 supplied magnets each to the back of the top and bottom trim pieces, and attach trim to the top and bottom of Bay door.

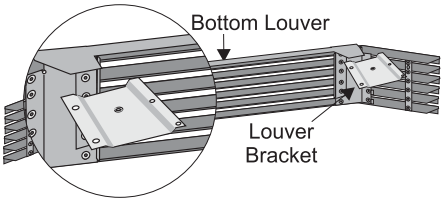




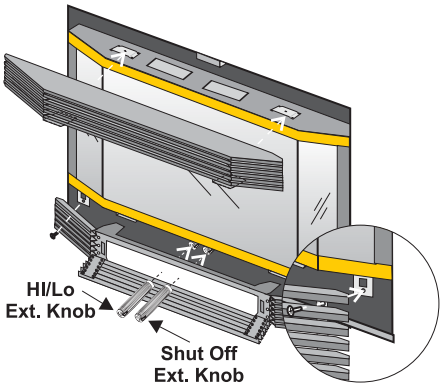
Bay Louvres

1) Install top louvre by sliding the two bracket clips into the brackets located on top of the bay door. See below. The fitted louvre leaves a small gap between faceplate bottom and louvre top.





2) Install bottom louvre by sliding the two bracket clips into the brackets located underneath the bay door. Secure with 1 screw into each Bottom Louvre Mounting Bracket as per diagram below. Use the bottom hole in the bracket.



3) Slide the valve extension knobs onto the valve knobs. Match the correct ext. knob with the valve knob.

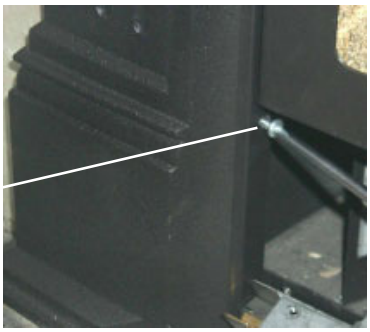
OPTIONAL HAMPTON CAST FACEPLATE

1) Remove top louver.

2) Open bottom louver.

3) Install the left side faceplate by pushing in at the side of the firebox and line up with top and bottom holes on side. Secure with screws, tighten loosely.

Secure top of faceplate with screw.



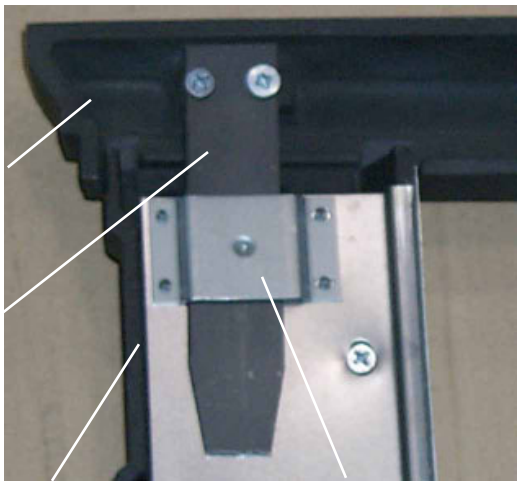
Secure bottom of faceplate with screw.

4) Repeat step 3 for the right side faceplate.

NOTE: Do not push in side faceplates all the way, allow for room to place the top faceplate.

5) Slide top piece of faceplate into side faceplates by fitting mounting plates into brackets.

(Back View)



6) Push in both side faceplate pieces and completely tighten screws.

7) Re-install top louver.

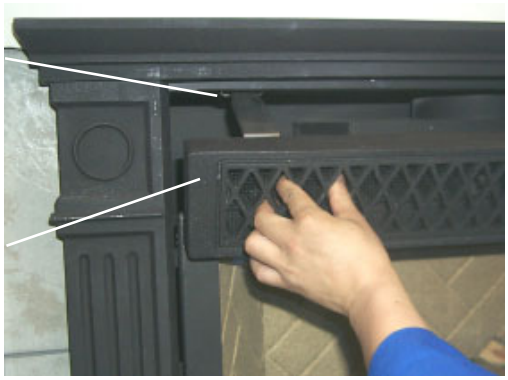
8) Close bottom louver.

OPTIONAL HAMPTON CAST GRILLS

1) Remove the 3 faceplate mounting phillips head screws from the inside top of firebox, and discard if necessary.

2) Place top grill in brackets located inside top of firebox as shown.

Bracket inside top of firebox.



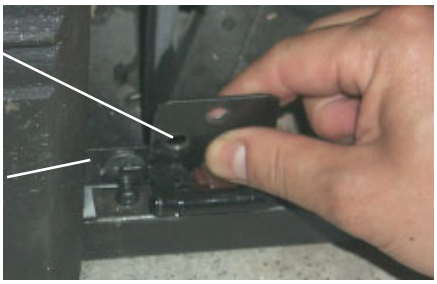
3) Remove hinge brackets on bottom left and right side of firebox by removing 2 screws and discard brackets only.

Hinge bracket. Left side shown.

4) Install new hinge brackets using the same 2 screws removed in step 3.

New hinge bracket. Left side shown.

5) Install hinge to bracket then secure with screw.

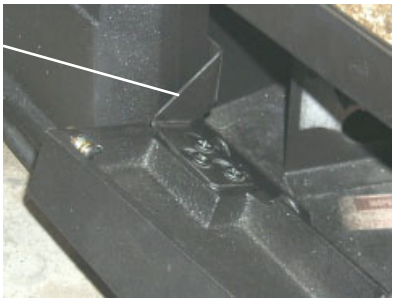


6) Place something underneath bottom grill to prevent scratching.

7) Line up hinge holes in bottom grill holes.

8) Place screws half way in -- do not secure completely.

9) Place bracket over screws then push to the side against faceplate to lock in place as per diagram.



10) Tighten screws. (Screws will easily be tightened if using a stubby screwdriver.)

Black Metallic Grills Only: Mount grill stopper to bottom of firebox securing with one screw.

Grill Stopper

11) Adjust ball plunger if necessary.

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 connect millivolt remote control wires for gas appliance 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.

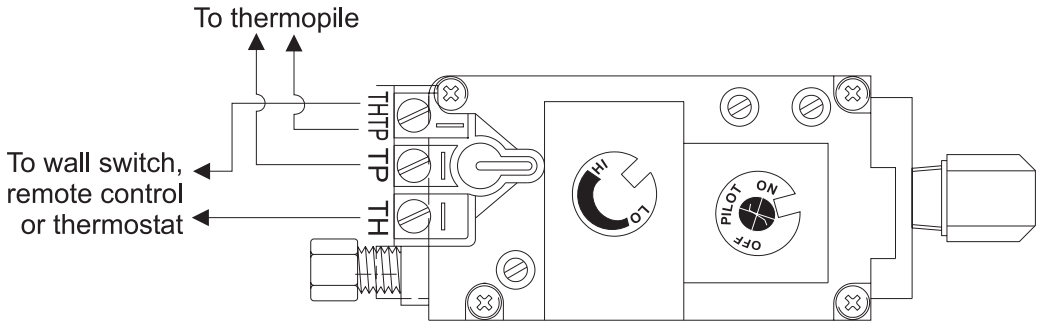
CAUTION
Do not connect millivolt wall thermostat wires for gas appliance to a 240V power supply.

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.

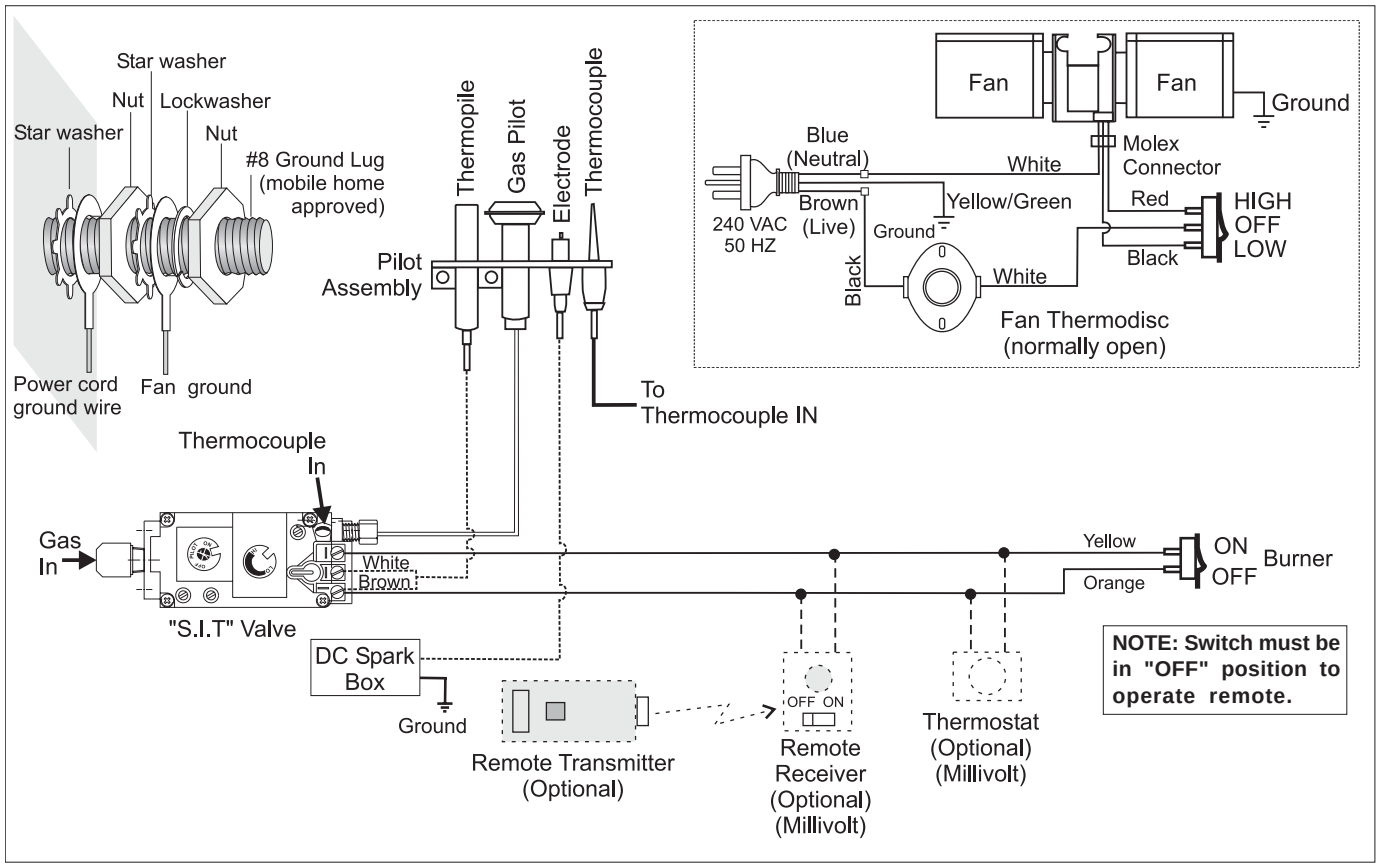


WIRING

This heater does not require a 240V A.C. supply for the gas control to operate. A 240V A.C. power supply is needed for the fan/blower operation.

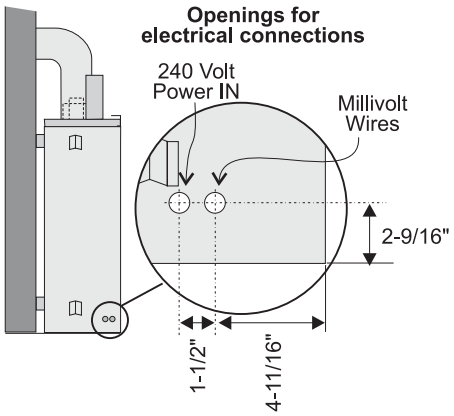
Caution: Ensure that the wires do not touch any hot surfaces and are away from sharp edges.

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



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.



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.

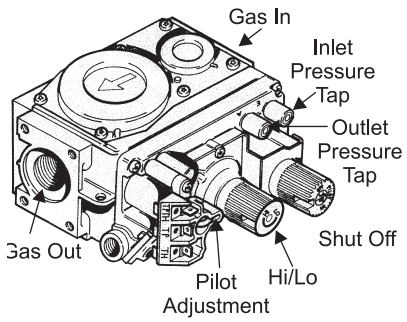
4) Make sure the glass in the door frame is properly positioned. Never operate the appliance with the glass removed.

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 <u>glass should be cleaned</u> 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.

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 re-occur. 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.

OPERATING INSTRUCTIONS

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

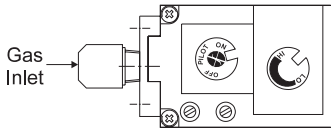
STOP! Read the safety information above on this label.

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

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 gas fireplace 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.

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.

GOLD-PLATED or BRASS LOUVRES

The 24 carat gold-plated or brass finish on the louvres and trim requires little maintenance, and need only be cleaned with a damp cloth. DO NOT use abrasive materials or chemical cleaners, as they may harm the finish and void the warranty. **Clean any fingerprints off before turning the unit on.**

GOLD-PLATED or BRASS TRIM

The 24 carat gold plated or brass finish on the trim requires little maintenance, and need only be cleaned with a damp cloth. DO NOT use abrasive materials or chemical cleaners, as they may harm the finish and void the warranty. **Clean any fingerprints off before turning the unit on. If the top louvres start to discolour, check the door gasket seal and replace if necessary.**

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.

FIREBOX PAINT

The interior of the firebox is subject to extremely high flame 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.

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. If your glass requires cleaning, we recommend using a domestic glass cleaner. Do not use abrasive materials. Do not clean the glass when hot.

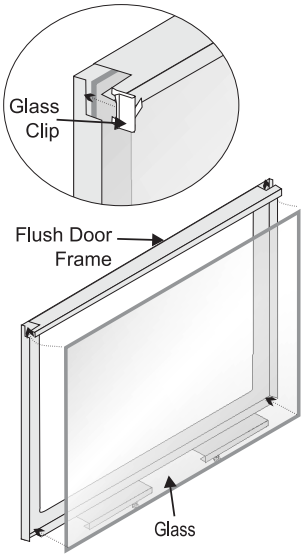
In the event that you break your glass by impact, purchase your replacement from an authorized Masport dealer only, and follow our step-by-step instructions for replacement.

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 qualified 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.**



Bay Glass Replacement

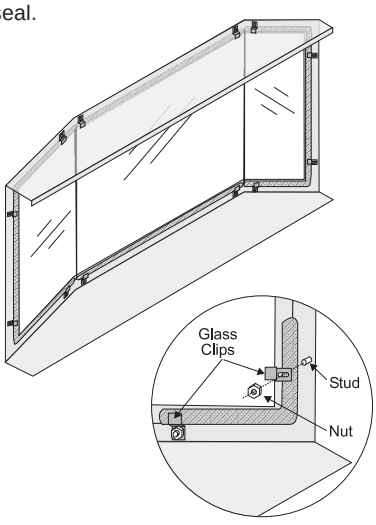
1) Remove the door from the unit and place on a soft surface to prevent scratching.

2) Remove the nuts holding the glass clips in place and remove.

3) Replace the glass. **The glass must have gasketing around it.**

5) Reverse the previous steps, replace the glass clips and fasten with the nuts but do not over tighten, as this can break the glass.

6) Replace door on the stove and check the seal.



MAINTENANCE

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.

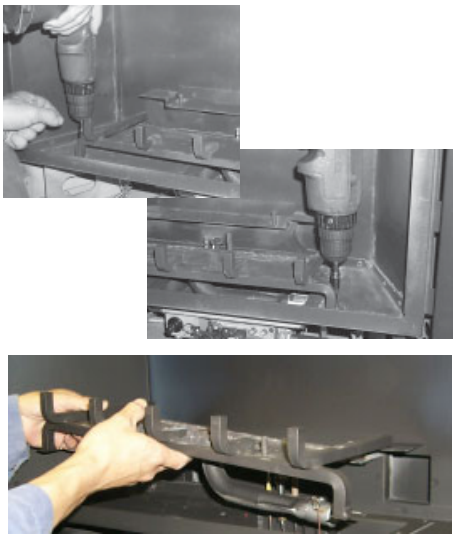


Diagram 1: Remove the left and right screws and then lift out the burner/grate assembly.

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

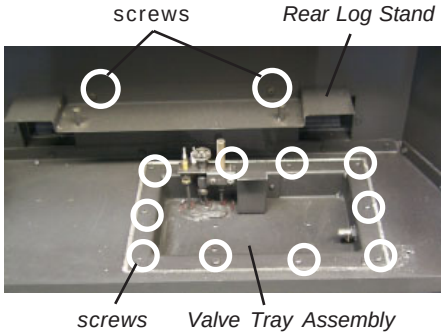


Diagram 2: Rear Log Stand and Valve Tray Assembly

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.

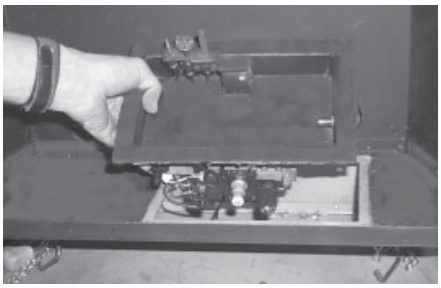
11) Undo the quick drop out thermocouple nut on the valve with a 9mm (metric) spanner.

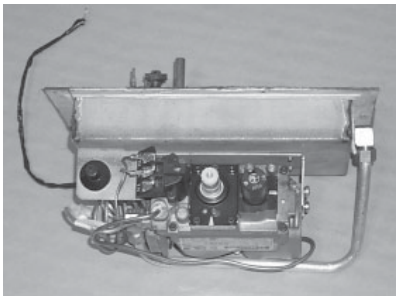
12) Remove the Piezo igniter wire and push button assembly.

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.***

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.

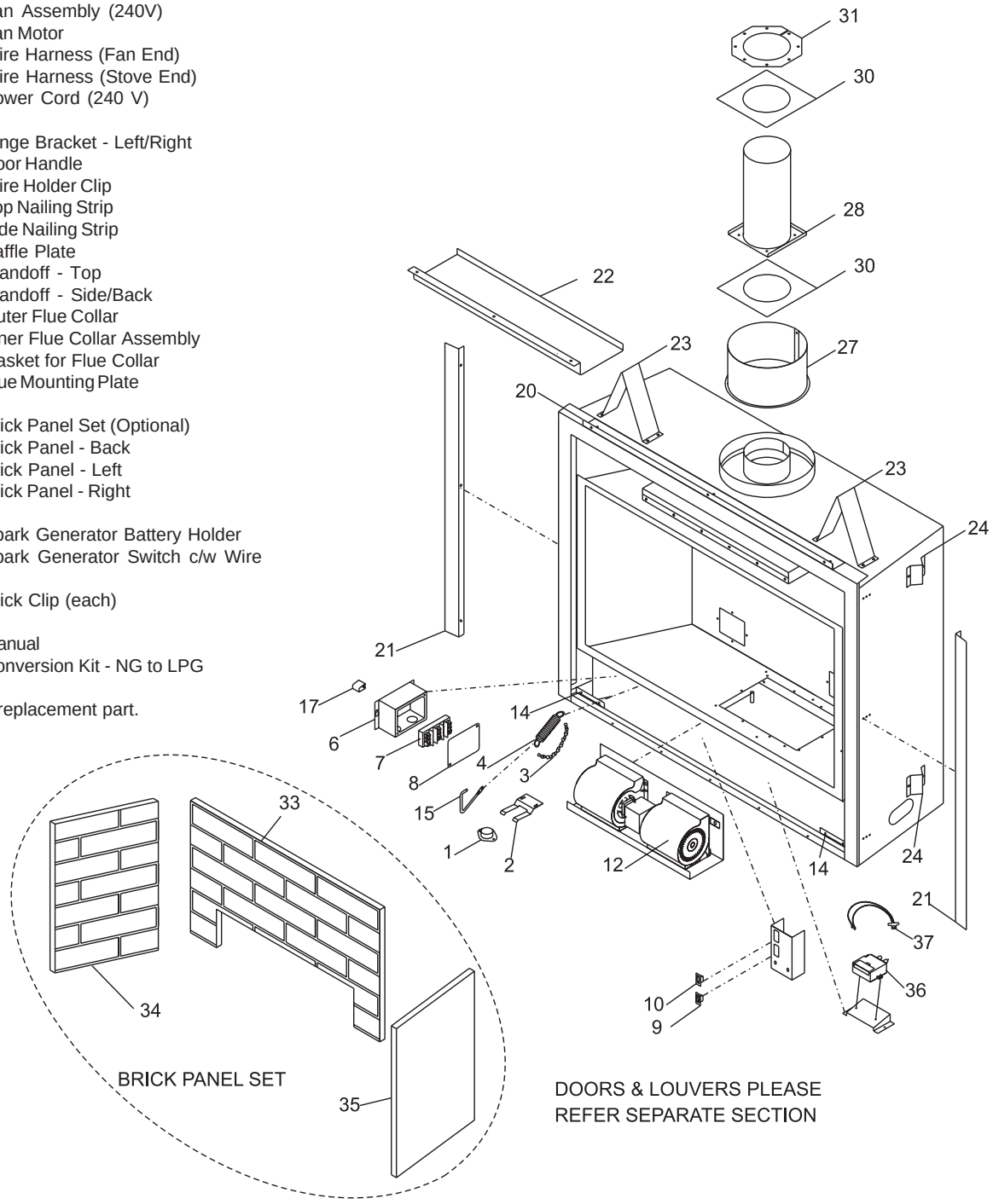
17) Close the door and replace the louvres.

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

P36-3 MAIN ASSEMBLY

	Part #	Description
1)	910-142	Thermodisc-Fan Auto ON/OFF
2)	*	Thermodisc Bracket
3)	948-045	Chain
4)	948-025	Spring
6)	510-125	Terminal Block Housing
7)	910-184	Terminal Block
8)	510-126	Terminal Block Cover
9)	910-140	Fan Switch HIGH/OFF/LOW
10)	910-246	Burner Switch ON/OFF
12)	510-519/P	Fan Assembly (240V)
	910-155/P	Fan Motor
	910-716	Wire Harness (Fan End)
	910-809	Wire Harness (Stove End)
	910-714	Power Cord (240 V)
14)	510-026	Hinge Bracket - Left/Right
15)	948-253	Door Handle
17)	*	Wire Holder Clip
20)	510-033	Top Nailing Strip
21)	510-064	Side Nailing Strip
22)	510-153	Baffle Plate
23)	510-011	Standoff - Top
24)	511-044	Standoff - Side/Back
27)	*	Outer Flue Collar
28)	*	Inner Flue Collar Assembly
30)	*	Gasket for Flue Collar
31)	*	Flue Mounting Plate
	513-928	Brick Panel Set (Optional)
33)	902-323	Brick Panel - Back
34)	902-324	Brick Panel - Left
35)	902-325	Brick Panel - Right
36)	910-073	Spark Generator Battery Holder
37)	910-074	Spark Generator Switch c/w Wire
	511-031	Brick Clip (each)
	918-015	Manual
	512-969	Conversion Kit - NG to LPG

*Not available as a replacement part.

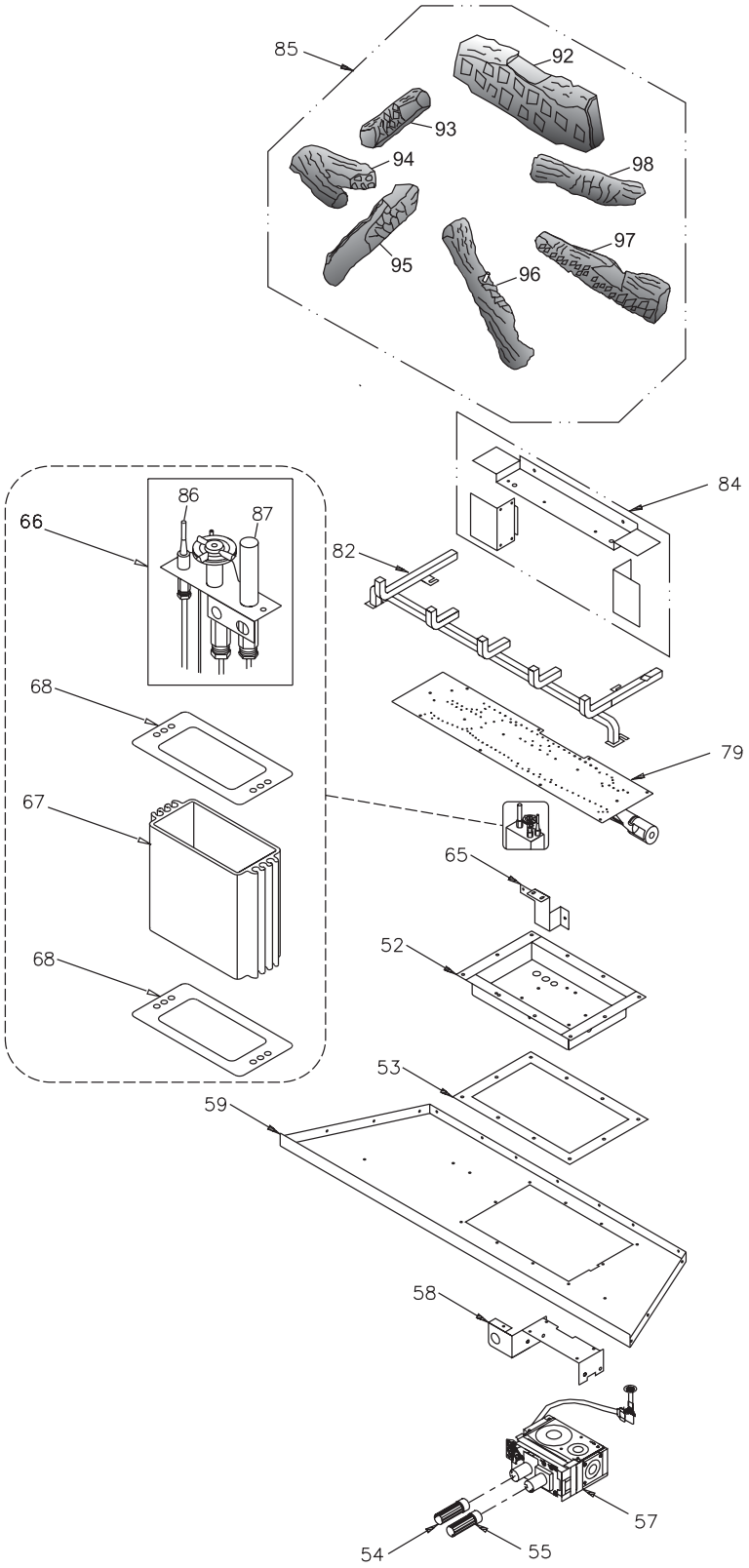


PARTS LIST

P36-3 BURNER ASSEMBLY & LOG SET

	Part #	Description
	513-560/P	Valve Assy - NG
	513-562/P	Valve Assy - LPG
52)	*	Valve Tray -NG
53)	430-055	Gasket - Valve Access Plate
54)	910-421	Pilot ON/OFF 3" Extension Knob
55)	910-422	HI/LOW 3" Extension Knob
57)	910-378	S.I.T. Valve - NG
	910-380	S.I.T. Valve - LPG
58)	*	Valve Bracket
59)	*	Firebox Base
65)	*	Pilot Bracket
66)	910-038	Pilot Assy-NG 3 way flame-S.I.T.
	910-039	Pilot Assy-LPG 3 way flame-S.I.T.
	904-240	Orifice #37 - NG (Burner)
	904-390	Orifice #52 - LPG (Burner)
	910-036	Pilot Orifice - NG
	910-037	Pilot Orifice - LPG
	936-170	Orifice Gasket
67)	*	Pilot Holder
68)	W840470	Pilot Assembly Gasket
79)	512-525	Burner Assy - NG
82)	511-030	Burner Grate Assy
84)	*	Rear Log Support Assy
85)	512-930	Log Set
86)	910-386	Thermocouple
87)	910-341	Thermopile
92)	902-236	Rear Log
93)	902-240	Middle Right Log
94)	902-242	Front Left Log
95)	902-239	Center Left Log
96)	902-238	Center Right Log
97)	902-241	Front Bottom Log
98)	902-237	Middle Left Log

*Not available as a replacement part.

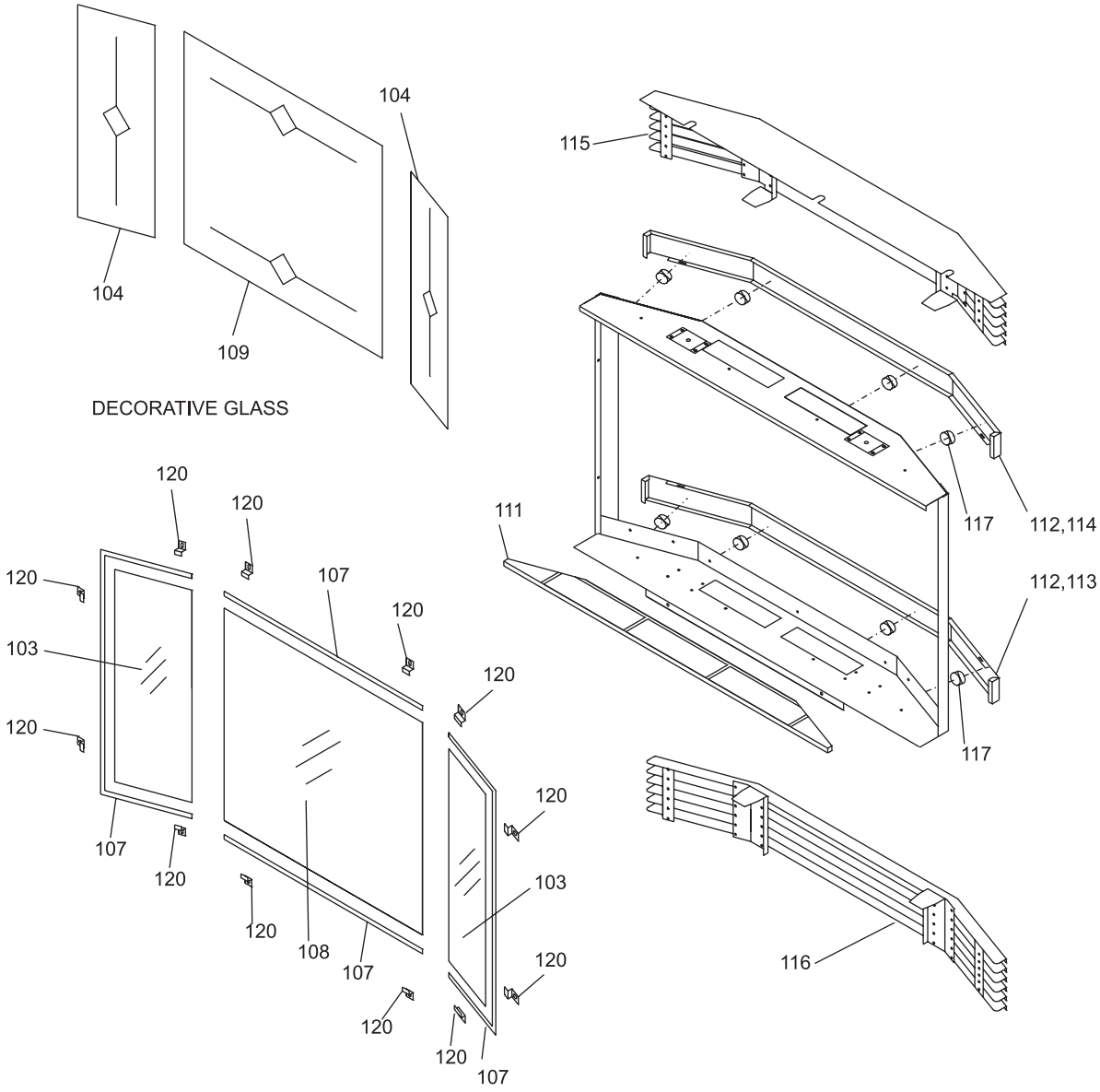


P36-3 BAY FRONT ASSEMBLY

	Part #	Description
	780-931	Bay Front Complete
	780-953	Bay Front - Decorative Glass - Complete
103)	940-092/P	Side Glass
104)	940-096/P	Side Glass - Decorative
107)	936-243	Glass Gasket - Soft Fibre Black
108)	940-094/P	Center Glass
109)	940-098/P	Center Glass - Decorative
111)	902-285	Brick Panel - Bay
	510-938	Bay Front Trim - Brass
	510-949	Bay Door Trim - Steel
112)	*	Bay Front Trim -Top/Bottom
	510-936	Bay Door Trim - Gold
113)	*	Bay Door Trim-Gold-Bottom
114)	*	Bay Door Trim-Gold-Top

	Part #	Description
	510-907	Bay Louvres - Black
	510-905	Bay Louvres - Gold/Black
	510-906	Bay Louvres - Brass/Black
	510-908	Bay Louvres - Steel/Black
115)	*	Bay Louvre Assy-Top
116)	*	Bay Louvre Assy-Btm
117)	904-196	Magnet (1" round)
120)	*	Flush Glass Retainer Bracket

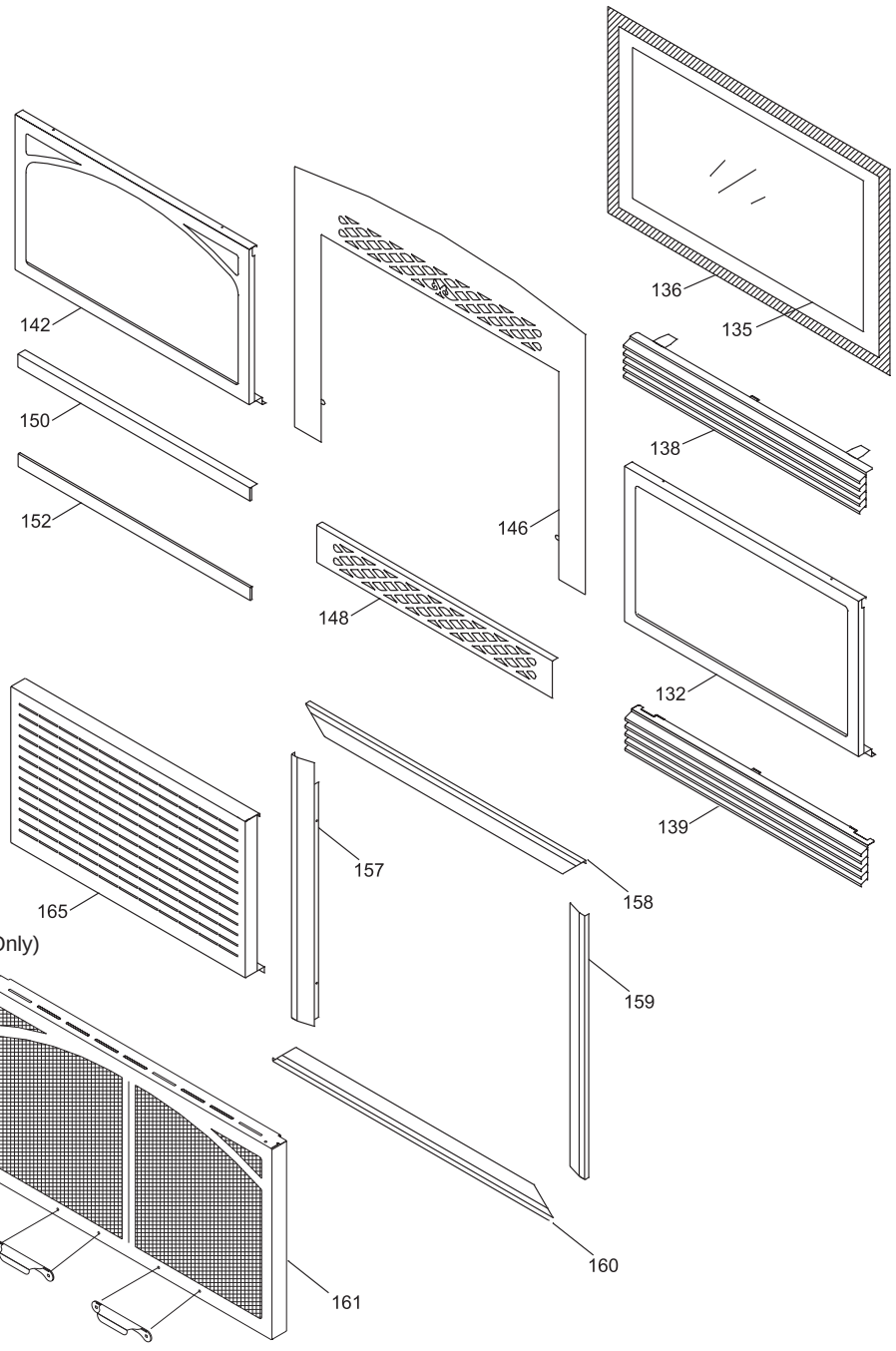
*Not available as a replacement part.



P36-3 FLUSH FRONT ACCESSORIES

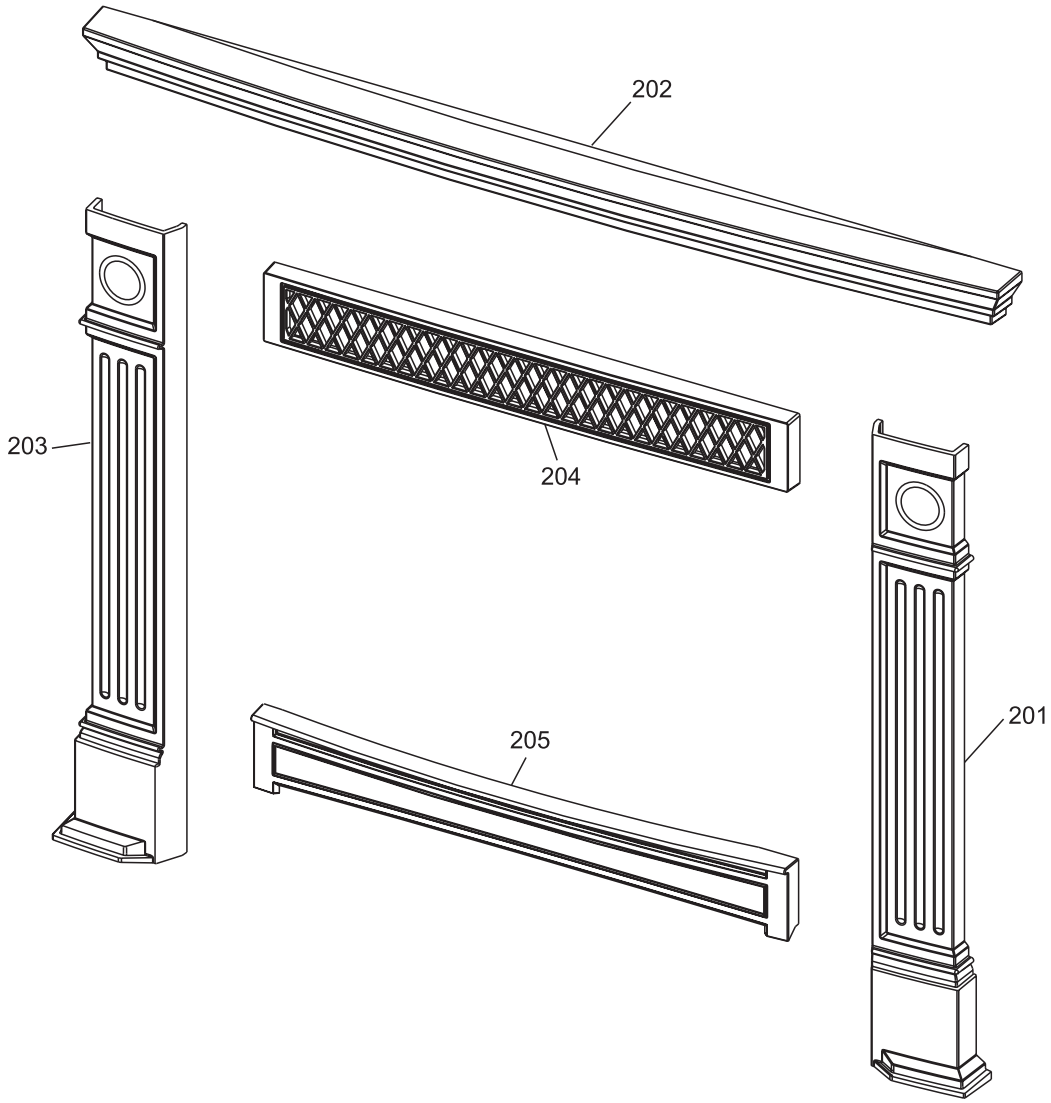
	Part #	Description
132)	512-518	Flush Door Assembly
135)	940-090/P	Glass (Flush)
136)	936-155	Glass Gasket (Tadpole)
	904-691	U-Clip
	510-920	Flush Louvres - Gold/Black
	510-921	Flush Louvres - Brass/Black
	510-922	Flush Louvres - Black
	510-923	Flush Louvres - Steel/Black
138)	*	Flush Louvre Assy-Top
139)	*	Flush Louvre Assy-Btm
142)	510-946	Arched Door - Black
	510-954	Barcelona Surround - Black
146)	*	Barcelona Assy
148)	*	Barcelona Louvre Assy
	510-932	Flush Glass Trim - Gold (2/Set)
150)	*	Flush Glass Trim-Gold
	904-196	Magnet (1" round)
	510-934	Flush Glass Trim - Brass (2/Set)
	510-947	Flush Glass Trim - Steel (2/Set)
152)	*	Flush Glass Trim-Brass
	904-196	Magnet (1" round)
	510-950	Finishing Trim (3 piece) - Brass
	510-986	Finishing Trim (3 piece) - Black
	510-909	Finishing Trim (3 piece) - Steel
	510-910	Finishing Trim (4 piece) - Steel
157)	*	Finishing Trim Left
158)	*	Finishing Trim Top
159)	*	Finishing Trim Right
160)	*	Finishing Trim Bottom
161)	513-929	Flush Door Screen Pkg.
165)	510-529/P	Flush Door Screen Assy (Aust. Only)

*Not available as a replacement part.



P36-3 CAST FACEPLATE ASSEMBLY

	Part #	Description
	513-951	Cast Faceplates (Set) - Black Metallic
201)	942-581	Cast Faceplate - Right
202)	942-571	Cast Faceplate - Top
203)	942-591	Cast Faceplate - Left
	513-991	Cast Grills (Set) - Black Metallic
204)	942-631	Top Grill - Black Metallic
	942-641	Bottom Grill - Black Metallic
	513-956	Cast Faceplates (Set) - Black Enamel
201)	942-586	Cast Faceplate - Right
202)	942-576	Cast Faceplate - Top
203)	942-596	Cast Faceplate - Left
	513-996	Cast Grills (Set) - Black Enamel
205)	942-636	Top Grill - Black Enamel
	942-646	Bottom Grill - Black Enamel



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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
Mordialloc 3195
Victoria

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: _____

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