

# WOOD FIRE FLUE KIT AND ACCESSORIES MANUAL



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# 2005



**Masport®**

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## **IMPORTANT:**

**Warranty on fire and flue systems will be void if flue is not sealed into top of firebox**

Never burn coloured paper or printed brochures in your fire as this will effect the life of the Stainless Steel and Hi-Therm Pipes.

Masport Flue Systems have a two year warranty from faulty material only.



# ORDERING

To avoid delays, or the wrong product being despatched when ordering product, please quote the Masport product code and Description.

## GOODS RETURNED FOR CREDIT

Before goods are returned for credit, approval must be obtained from our Customer Service Team and a Goods Return Authority (GRA) number issued.

- Any goods that are agreed to be faulty or damaged on arrival (**carriers delivery docket must be endorsed “Damaged”**) or supplied in error by Masport Limited will be accepted for return. Masport Limited will either replace or credit these goods.
- All goods must be returned in original condition & packaging with the Goods Return Authority number clearly marked. Your GRA number will remain valid for 30 days from its issue date. Please return items to our designated warehouse within this timeframe.
- Items returned to Masport Limited without prior arrangement are subject to a handling fee.
- Goods returned to Masport Ltd by prior arrangement, may incur the following restocking fees:

<b>Spare Parts:</b>	<b>20% of net item value (minimum \$5)</b>
<b>Units:</b>	<b>\$25 per unit</b>

**A Goods Return Authorisation number can be obtained by contacting our  
Customer Service Team:**

**MASPORT - HEAD OFFICE  
1-37 Mt Wellington Highway  
Panmure  
Auckland 6**

**For Installation enquires contact  
your local Retailer / Installer**

**For Parts & Availability enquires contact  
1300 366 225 and press 1**

**For Technical enquires contact  
1300 366 225 and press 2**

# 4 1/2" Super Single Pot Belly Stove Flue Kit

## Product Description

## Part Number

4 1/2" Super Single

A9320

(to suit: Klondike)

*Contains:*

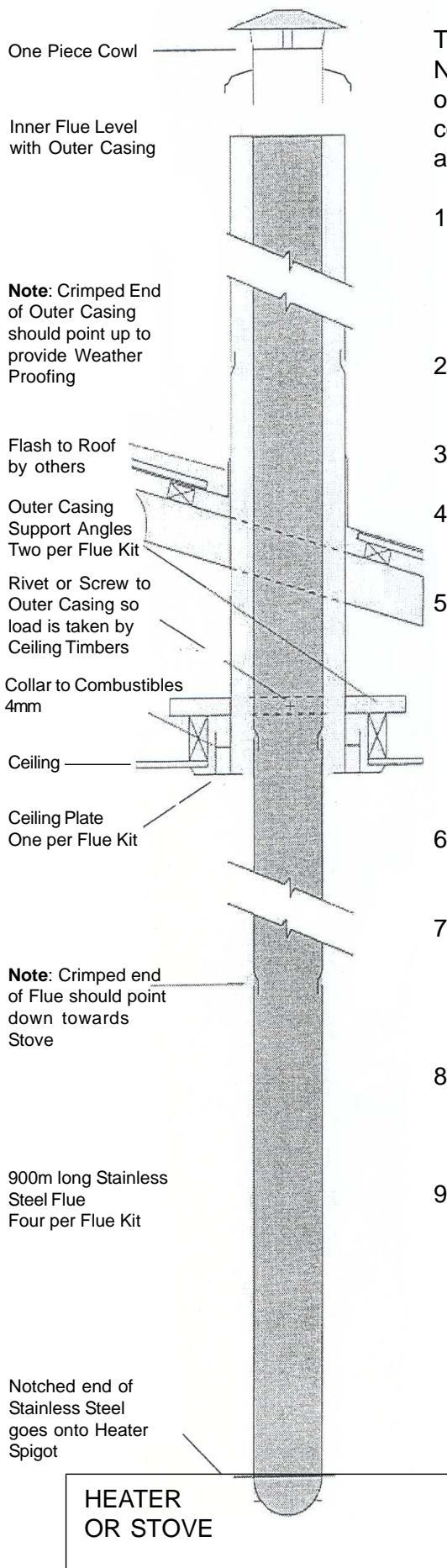
- 4 4 1/2" x 900mm Stainless Steel Flue Lengths
- 1 4 1/2" x 900mm Stainless Steel Starter Flue
- 3 8.25" x 900mm Galvanised Flue Lengths
- 1 4.5" - 8.25" Cowl
- 1 4.5" Ceiling Plate
- 2 Support Angles



Klondike



# 4 1/2" Super Single Pot Belly Stove Flue Kit Installation Instructions



This flue kit has been manufactured in accordance with AS/NZS2918: 2001. To ensure safety this flue kit must be installed as outlined in these instructions. Woodfire and flue clearances from combustibles must be in accordance with Masports specifications and AS/NZS2918: 2001

- 1) Locate woodfire in its proposed position and mark a point on the ceiling that is directly above the center of the woodfire flue outlet. Check that the woodfires location allows the outer flue casing to clear all combustible material (timber etc) by 25mm.
- 2) Cut a 320mm hole in the ceiling. Directly above cut a hole in the roof to accommodate the outer flue casing.
- 3) Fit outer flue casing support brackets (supplied).
- 4) Fit Ceiling plate; ensure collar has a minimum of 4mm clearance to combustibles.
- 5) Install outer flue casing crimp end up, ensure casing protrudes through roof to required **minimum** height of; 600mm above ridge line of house should the flue system be closer than 3 meters to the ridge, or 1000mm above roof should the flue system be further than 3 meters from ridge line. **Note: minimum overall flue length is 4.6 meters measured from the floor protector (Hearth).**
- 6) Fix appropriate weather shield (flashing) around the outer casing and seal onto the roofing material.
- 7) Assemble flue pipes together ensuring seams are in line. Secure each joint with 3 stainless steel rivets or self-tapping screws. Flue pipes must be assembled with crimp end down (towards heater).
- 8) From the roof lower the flue pipes through the outer casing slot end down into heater, Flue pipe must be sealed onto spigot of heater with exhaust type cement.
- 9) Ensure inner flue pipe and outer casing are the same height and fit cowl.

**N.B.** It is the responsibility of the installer to ensure that the installation of this flue kit complies with Masport's specifications for flues and that relevant Local Body requirements are adhered to.

# 5" Super Single Arcadia Flue Kit

## Product Description

## Part Number

**5" Super Single**

**A35606**

(to suit: Arcadia)

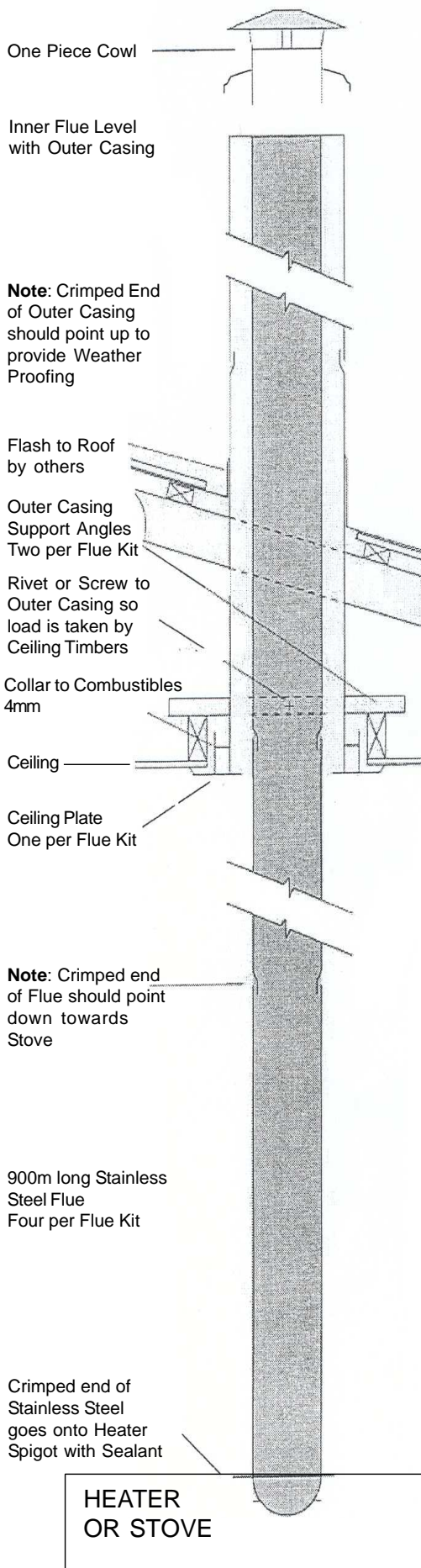
*Contains:*

- 4 5" x 900mm Stainless Steel Flue Lengths
- 1 5" x 900mm Stainless Steel Starter Flue
- 3 8.25" x 900mm Galvanised Flue Lengths
- 1 5" - 10.25" Cowl
- 1 5" Ceiling Plate
- 2 Support Angles



Arcadia

# 5" Super Single Arcadia Flue Kit Installation Instructions



This flue kit has been manufactured in accordance with AS/NZS2918: 2001.

To ensure safety this flue kit must be installed as outlined in these instructions.

Woodfire and flue clearances from combustibles must be in accordance with Masports specifications and AS/NZS2918: 2001

- 1) Locate woodfire in its proposed position and mark a point on the ceiling that is directly above the center of the woodfire flue outlet. Check that the woodfires location allows the outer flue casing to clear all combustible material (timber etc) by 25mm.
- 2) Cut a 320mm hole in the ceiling. Directly above cut a hole in the roof to accommodate the outer flue casing.
- 3) Fit outer flue casing support brackets (supplied).
- 4) Fit Ceiling plate; ensure collar has a minimum of 4mm clearance to combustibles.
- 5) Install outer flue casing crimp end up, ensure casing protrudes through roof to required **minimum** height of; 600mm above ridge line of house should the flue system be closer than 3 meters to the ridge, or 1000mm above roof should the flue system be further than 3 meters from ridge line. **Note; minimum overall flue length is 4.6 meters measured from the floor protector (Hearth).**
- 6) Fix appropriate weather shield (flashing) around the outer casing and seal onto the roofing material.
- 7) Assemble flue pipes together ensuring seams are in line. Secure each joint with 3 stainless steel rivets or self-tapping screws. Flue pipes must be assembled with crimp end down (towards heater).
- 8) From the roof lower the flue pipes through the outer casing slot end down into heater, Flue pipe must be sealed onto spigot of heater with exhaust type cement.
- 9) Ensure inner flue pipe and outer casing are the same height and fit cowl.
- 10) Fit flue shield to first length of flue above heater.

**N.B.** It is the responsibility of the installer to ensure that the installation of this flue kit complies with Masport's specifications for flues and that relevant Local Body requirements are adhered to.



# 6" Super Single Flue Kit

## Product Description

## Part Number

### 6" Super Single

A35613

(to suit: LE 2000, LE 3000, Vancouver, Verona, Utopia)

#### *Contains:*

- 5 6" x 900mm Stainless Steel Flue Lengths
- 3 10.25" x 900mm Galvanised Flue Lengths
- 2 8" x 900mm Decorative Mesh
- 1 6" - 10.25" Cowl
- 1 8" Ceiling Plate
- 2 Support Angles



Vancouver



LE 2000



LE 3000



Verona

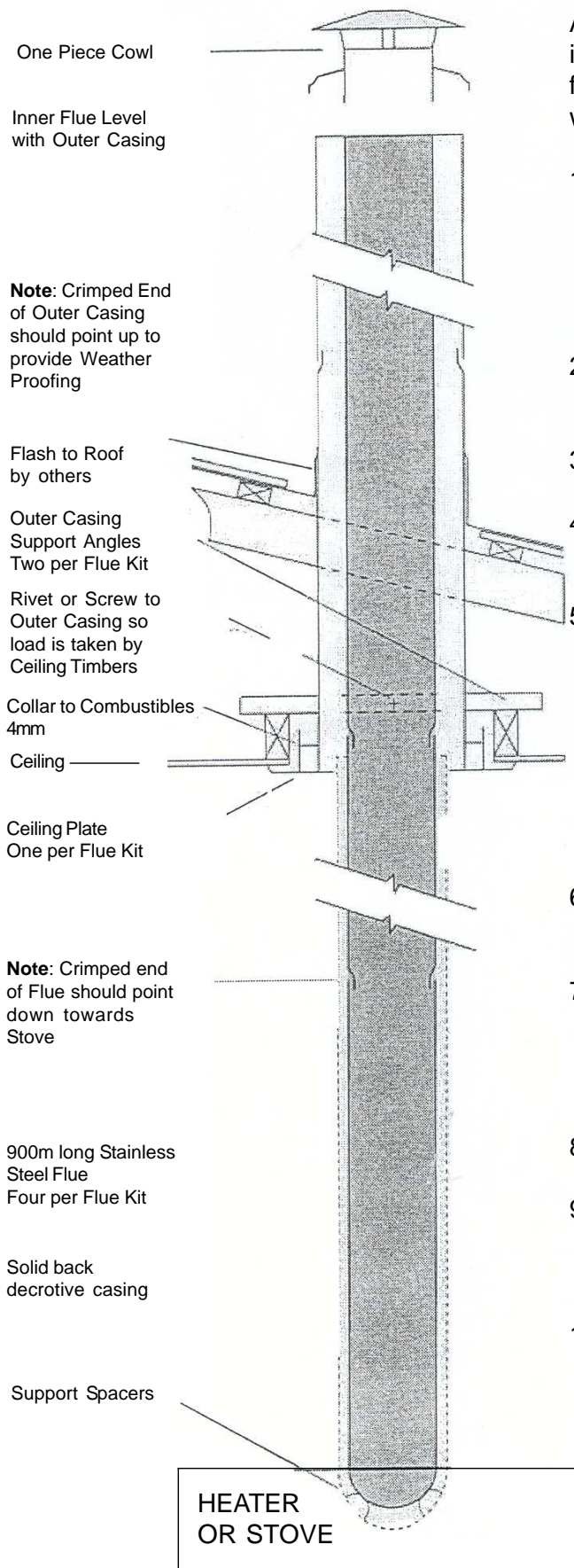


Utopia



# 6" & 7" Super Single Flue Kit Installation Instructions

This flue kit has been manufactured in accordance with AS/NZS2918: 2001. To ensure safety this flue kit must be installed as outlined in these instructions. Woodfire and flue clearances from combustibles must be in accordance with Masports specifications and AS/NZS2918: 2001



- 1) Locate woodfire in its proposed position and mark a point on the ceiling that is directly above the center of the woodfire flue outlet. Check that the woodfires location allows the outer flue casing to clear all combustible material (timber etc) by 25mm.
- 2) Cut a 320mm hole in the ceiling. Directly above cut a hole in the roof to accommodate the outer flue casing.
- 3) Fit outer flue casing support brackets (supplied).
- 4) Fit Ceiling plate; ensure collar has a minimum of 4mm clearance to combustibles.
- 5) Install outer flue casing crimp end up, ensure casing protrudes through roof to required **minimum** height of; 600mm above ridge line of house should the flue system be closer than 3 meters to the ridge, or 1000mm above roof should the flue system be further than 3 meters from ridge line. **Note; minimum overall flue length is 4.6 meters measured from the floor protector (Hearth).**
- 6) Fix appropriate weather shield (flashing) around the outer casing and seal onto the roofing material.
- 7) Assemble flue pipes together ensuring seams are in line. Secure each joint with 3 stainless steel rivets or self-tapping screws. Flue pipes must be assembled with crimp end down (towards heater).
- 8) Place Decro mesh on top of heater.
- 9) From the roof lower the flue pipes through the outer casing crimp end down into heater, Flue pipe must be sealed into spigot of heater with exhaust type cement.
- 10) Ensure inner flue pipe and outer casing are the same height and fit cowl.

**N.B.** It is the responsibility of the installer to ensure that the installation of this flue kit complies with Masport's specifications for flues and that relevant Local Body requirements are adhered to.

# 7" Super Single Flue Kit

## Product Description

## Part Number

### 7" Super Single

A35615

(to suit: Toronto, Grandview)

#### *Contains:*

- 5 7" x 900mm Stainless Steel Flue Lengths
- 3 10.25" x 900mm Galvanised Flue Lengths
- 2 9" x 900mm Decorative Mesh
- 1 7" - 10.25" Cowl
- 1 9" Ceiling Plate
- 2 Support Angles
- 1 100mm Stainless Steel Collar



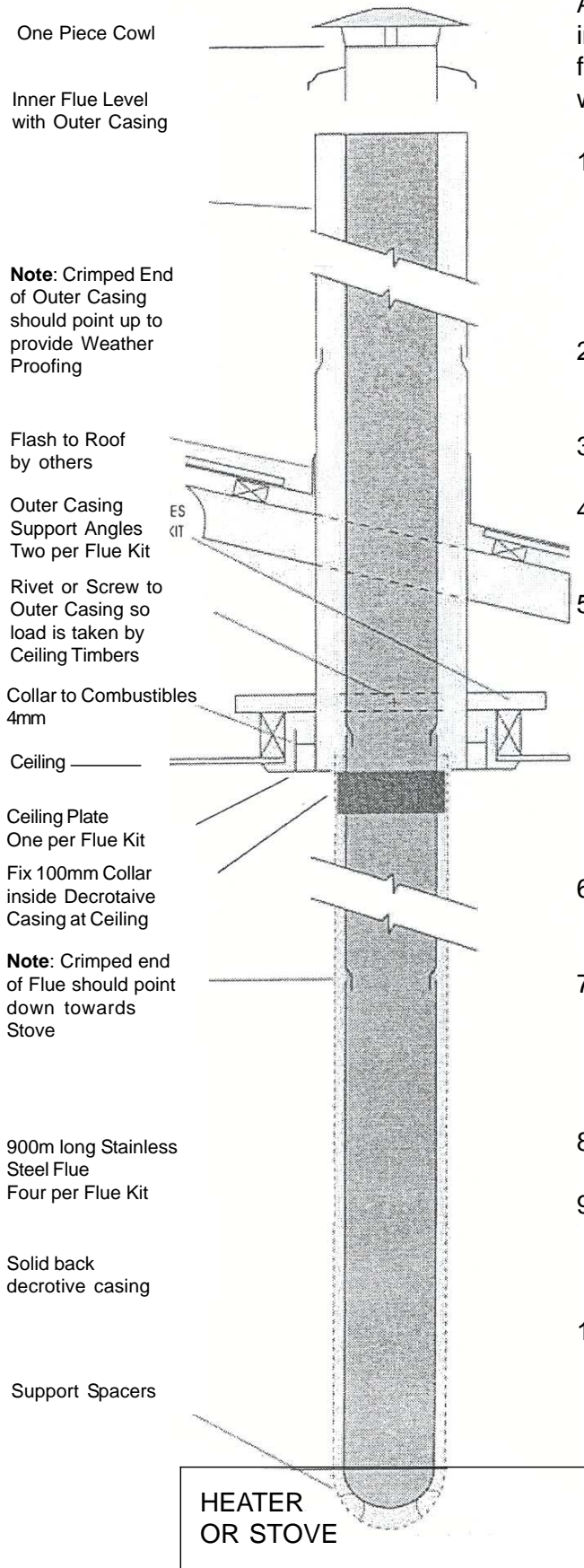
Toronto



Grandview

# 6" & 7" Super Single Flue Kit Installation Instructions

This flue kit has been manufactured in accordance with AS/NZS2918: 2001. To ensure safety this flue kit must be installed as outlined in these instructions. Woodfire and flue clearances from combustibles must be in accordance with Masports specifications and AS/NZS2918: 2001



- 1) Locate woodfire in its proposed position and mark a point on the ceiling that is directly above the center of the woodfire flue outlet. Check that the woodfires location allows the outer flue casing to clear all combustible material (timber etc) by 25mm.
- 2) Cut a 320mm hole in the ceiling. Directly above cut a hole in the roof to accommodate the outer flue casing.
- 3) Fit outer flue casing support brackets (supplied).
- 4) Fit Ceiling plate; ensure collar has a minimum of 4mm clearance to combustibles.
- 5) Install outer flue casing crimp end up, ensure casing protrudes through roof to required **minimum** height of; 600mm above ridge line of house should the flue system be closer than 3 meters to the ridge, or 1000mm above roof should the flue system be further than 3 meters from ridge line. **Note; minimum overall flue length is 4.6 meters measured from the floor protector (Hearth).**
- 6) Fix appropriate weather shield (flashing) around the outer casing and seal onto the roofing material.
- 7) Assemble flue pipes together ensuring seams are in line. Secure each joint with 3 stainless steel rivets or self-tapping screws. Flue pipes must be assembled with crimp end down (towards heater).
- 8) Place Decro mesh on top of heater.
- 9) From the roof lower the flue pipes through the outer casing crimp end down into heater, Flue pipe must be sealed into spigot of heater with exhaust type cement.
- 10) Ensure inner flue pipe and outer casing are the same height and fit cowl.

**N.B.** It is the responsibility of the installer to ensure that the installation of this flue kit complies with Masport's specifications for flues and that relevant Local Body requirements are adhered to.



# 6" Chimney Flue Kit

## Product Description

## Part Number

6" Chimney

A35614

(to suit: LE 3000 Provincial, LE 5000 Provincial, LE 7000 Provincial, Grande Provincial)

### *Contains:*

- 5 6" x 900mm Stainless Steel Flue Lengths
- 1 10.25" x 900mm Galvanised Flue Lengths
- 1 6" - 10.25" Cowl
- 1 9" Chimney Cap and Cowl
- 2 Support Angles
- 1 100mm Stainless Steel Collar



LE 3000 Provincial



LE 5000 Provincial



LE 7000 Provincial

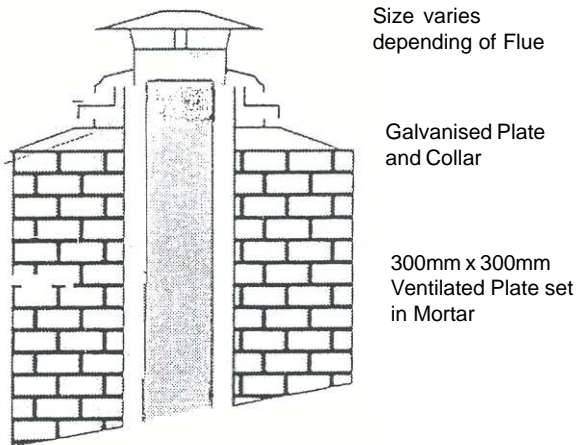


Grande Provincial

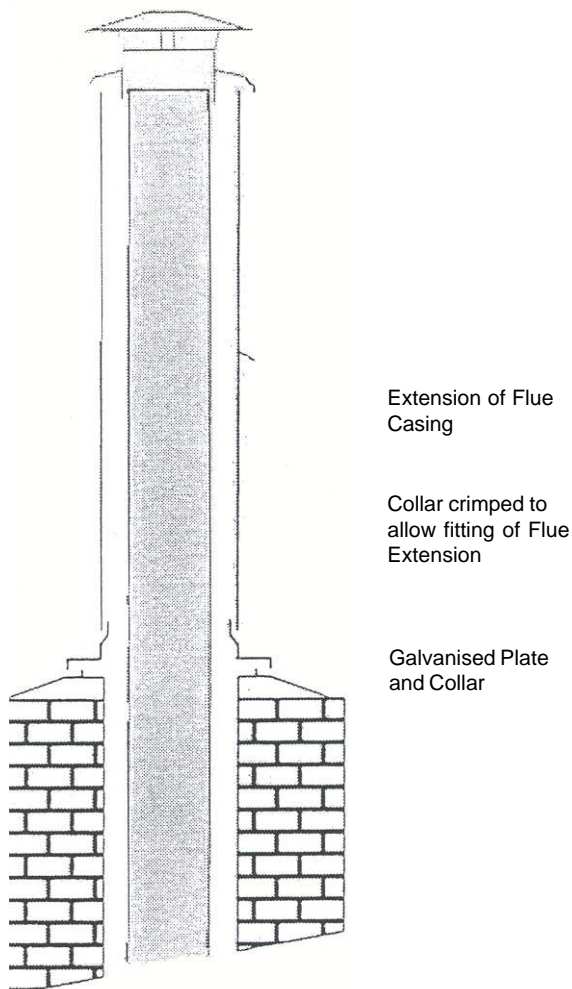


# 6" Chimney

## Flue Kit Installation Instructions



**OPTION A**



**OPTION B**

This flue kit has been manufactured in accordance with AS/NZS2918:2001. To ensure safety this flue kit must be installed as outlined in these instructions. In accordance with Masports specifications and AS/NZS2918: 2001

- 1) Check chimney for structural soundness and sweep chimney to ensure is clean of soot.
- 2) Check chimney opening will accommodate firebox and remove firebricks to suit. Do not compromise chimneys structural soundness.
- 3) Install heater into fireplace in accordance with Masport specifications and AS/NZS2918:2001.
- 4) By looking down the chimney from the roof you should be able to see the flue outlet of the heater, if not a flue pipe offset or bends will be required.
- 5) Assemble flue pipes together ensuring seams are in line. Secure each joint with 3 stainless steel rivets or self-tapping screws. Flue pipes must be assembled with crimp end down (towards heater). **Note: Minimum overall flue height requirement is 4.6 meters measured from the hearth.**
- 6) Lower assembled flue crimped end down into chimney and into heater flue outlet, ensures flue pipe is sealed into spigot of heater with exhaust type cement.
- 7) Secure chimney flashing plate to chimney with suitable fasteners and weather seal to chimney. Fit outer casing to chimney flashing plate ensure outer casing is the same height as the flue pipe and fit cowl.
- 8) Should additional flue be required because of the roof line of house (if flue is closer than 3 meters of a ridge it must be a minimum of 600mm higher than ridge) or lack of draw from the fire additional outer casing must be fitted to keep the flue warm.

# Zero Clearance Flue Kit

	Product Description	Part Number
	<b>Zero Clearance Flue Kit</b>	<b>552418</b>
	(to suit: LE 3000 Provincial, LE 5000 Provincial, LE 7000 Provincial, Grande Provincial)	
	<i>Contains:</i>	
	<ul style="list-style-type: none"><li>5 6" x 900mm Stainless Steel Flue Lengths</li><li>5 200mm Galvanised Flue Lengths</li><li>5 250mm Galvanised Flue Lengths</li><li>1 10.25" x 900mm Galvanised Flue Lengths</li><li>1 6" - 250mm Cowl</li><li>1 9" Chimney Cap and Cowl</li><li>2 Support Angles</li></ul>	
	 LE 3000 Provincial	 LE 5000 Provincial
 LE 7000 Provincial	 Grande Provincial	

# Zero Clearance Flue Kit

## Flue Kit Installation Instructions

This flue kit has been manufactured in accordance with AS/NZS2918:2001.

To ensure safety this flue kit must be installed as outlined in these instructions. Heater and flue clearances from combustible walls must be in accordance with Masports specifications and AS/NZS2918:2001.

**Note: This flue system is triple lined, 250mm outer casing, 200mm inner heat shield and 150mm flue.**

- 1) Locate woodfire in its proposed position and check that the woodfires location allows the outer flue casing to clear all combustible material (timber etc) by 25mm.
- 2) Complete framing as set out in the zero clearance manual. Do not line framing until zero clearance box and flue outer liner is installed.
- 3) Fit outer flue casing support brackets (supplied).
- 4) Install outer flue casing crimp end up, ensure casing protrudes through roof to required **minimum** height of; 600mm above ridge line of house should the flue system be closer than 3 meters to the ridge, or 1000mm above roof should the flue system be further than 3 meters from ridge line. **Note; minimum overall flue length is 4.6 meters measured from the floor protector (Hearth).**
- 5) Fix appropriate weather shield (flashing) around the outer casing and seal onto the roofing material.
- 6) Assemble flue pipes together ensuring seams are in line. Secure each joint with 3 stainless steel rivets or self-tapping screws. Flue pipes must be assembled with crimp end down (towards heater).
- 7) From the roof lower the flue pipes through the outer casing crimp end down into heater, flue pipe must be sealed into spigot of heater with exhaust type cement.
- 8) Assemble inner heat shields crimp end up and lower into outer casing ensuring inner shield engages with the zero clearance box spigot.
- 9) Ensure flue pipe, inner heat shield and outer casing are the same height and fit cowl.

**N.B.** It is the responsibility of the installer to ensure that the installation of this flue kit complies with Masport's specifications for flues and that relevant Local Body requirements are adhered to.

# Drop Box for Cathedral Ceilings

**Product Description**

**Part Number**

**6” Drop Box**

**552422**

(to suit: LE 2000, LE 3000, Vancouver, Verona, Utopia)



LE 2000



LE 3000



Verona



Utopia



Vancouver

**7” Drop Box**

**552300**

(to suit: Toronto, Grandview)







Toronto



Grandview

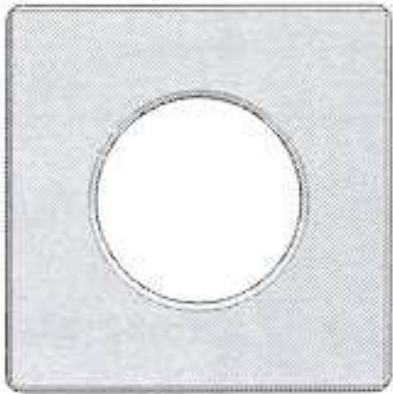


# Fluekit Accessories

	Product Description	Part Number
	<b>Stainless Steel Flue Pipe</b> - 900mm	
	4 1/2"	535512
	5"	535503
	6"	535525
	7"	535573
<hr/>		
	<b>Galvanized Outer Case</b> - 900mm to suit	
	4 1/2" & 5"	535508
	6" & 7"	535513
<hr/>		
	<b>Decorative Extensions - Black</b> - 900mm to suit	
	4 1/2" & 5"	535501 Starter
	6" & 7"	535576 Starter
	6" & 7"	535576
<hr/>		
	<b>Rain Cap</b>	
	4 1/2"	535509
	5"	535506
	6"	535514
	7"	535574

# Fluekit Accessories

Product Description	Part Number
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## Ceiling Plates

5"	535505
6"	535516
7"	535568



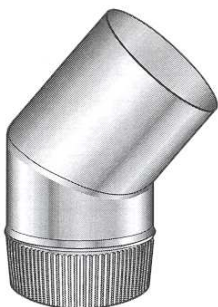
## Ceiling Box for Cathedral Ceilings

5"	535599
6"	535577 (OBSOLETE)
7"	552300



## Stainless Steel Elbows

5"	535621
6"	535622
7"	535592



## Stainless Steel 45° Bends

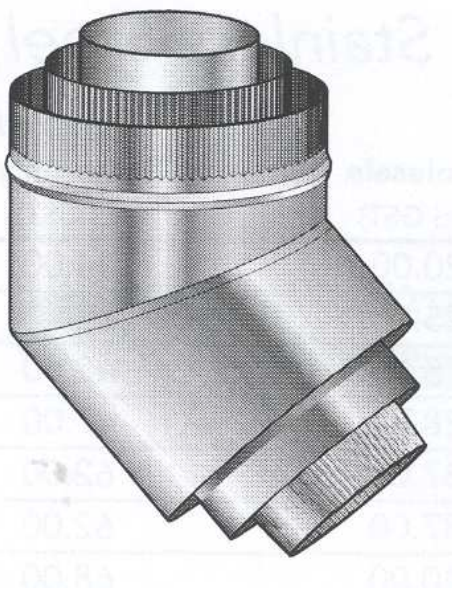
5"	535542
6"	535553
7"	535570

# Fluekit Accessories

Product Description	Part Number
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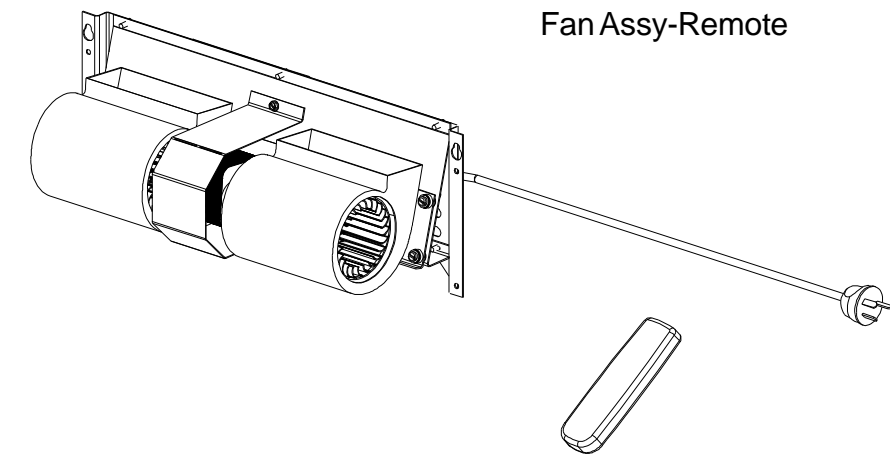
**Zero Clearance  
Extension Kit  
250mm Outer, 200mm Inner, 150mm Flue  
- Suits LE 5000 Provincial, LE 7000 Provincial, &  
Grande Provincial**



**Zero Clearance 45°  
Bend Kit  
250mm Outer, 200mm Inner, 150mm Flue  
- Suits LE 5000 Provincial, LE 7000 Provincial, &  
Grande Provincial**

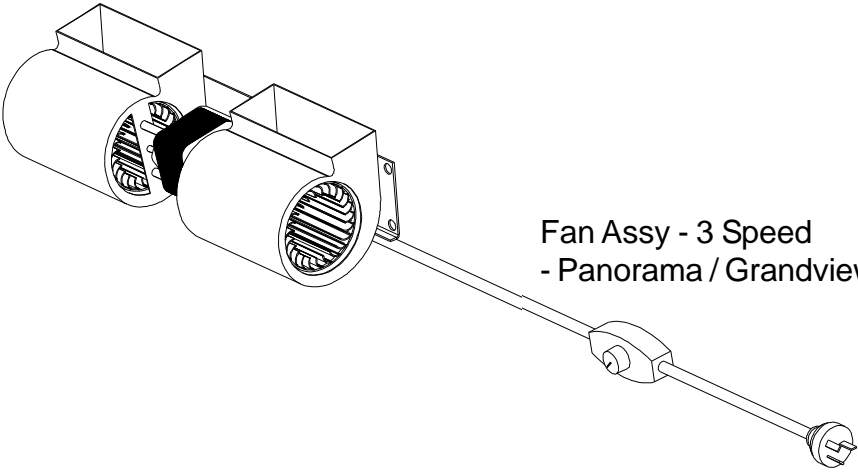
# Wood Fire Accessories - Fans & Touch Up Paint

Product Description	Part Number
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Fan Assy-Remote

995398



Fan Assy - 3 Speed  
- Panorama / Grandview

995557

Fan Assy - 3 Speed  
- Toronto / Colorado

587363

Fan Assy - 3 Speed  
- LE 3000 Provincial

586575



Touch Up Paint - Blue/Black

556123

Touch Up Paint - Charcoal

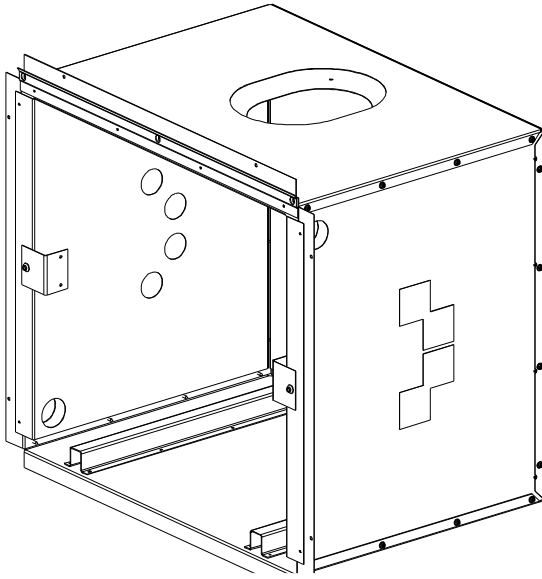
556266



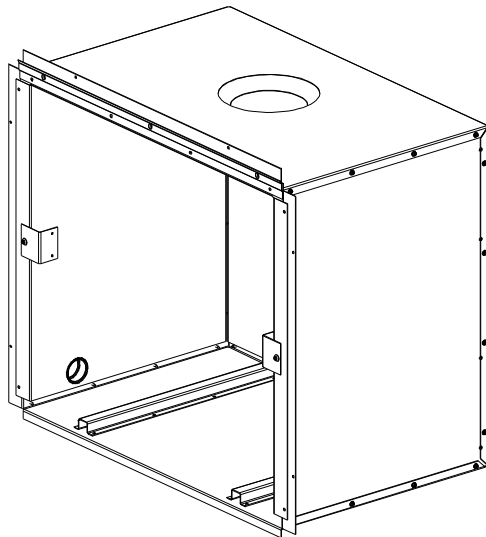
# Wood Fire Zero Clearance Box - Inbuilt

## Product Description

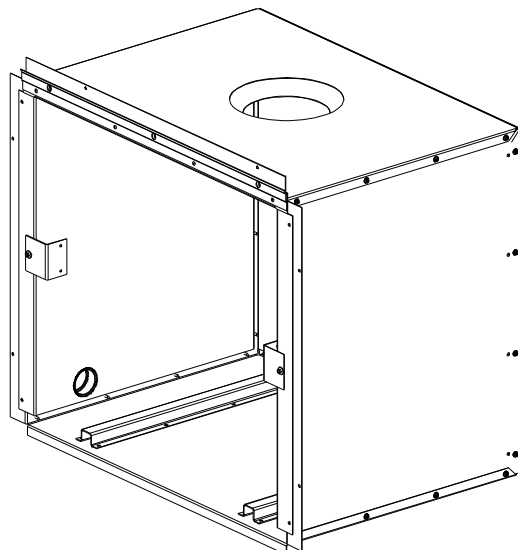
## Part Number



**LE 5000 Provincial  
Zero Clearance Box  
Part Number 995968**



**LE 7000 Provincial  
Zero Clearance Box  
Part Number 995965**



**Grande Provincial  
Zero Clearance Box  
Part Number 995964**

# LE 7000 Provincial Built-in (Zero Clearance) Kit Instructions.

FRONT CLADDING MUST BE HEAT RESISTANT FROM HERE DOWN  
(See paragraph 5)

1307 MIN.

735

OUTER FLUE SHIELD

WALL

SHIELDING BOX

SHIELDING BOX RAIL

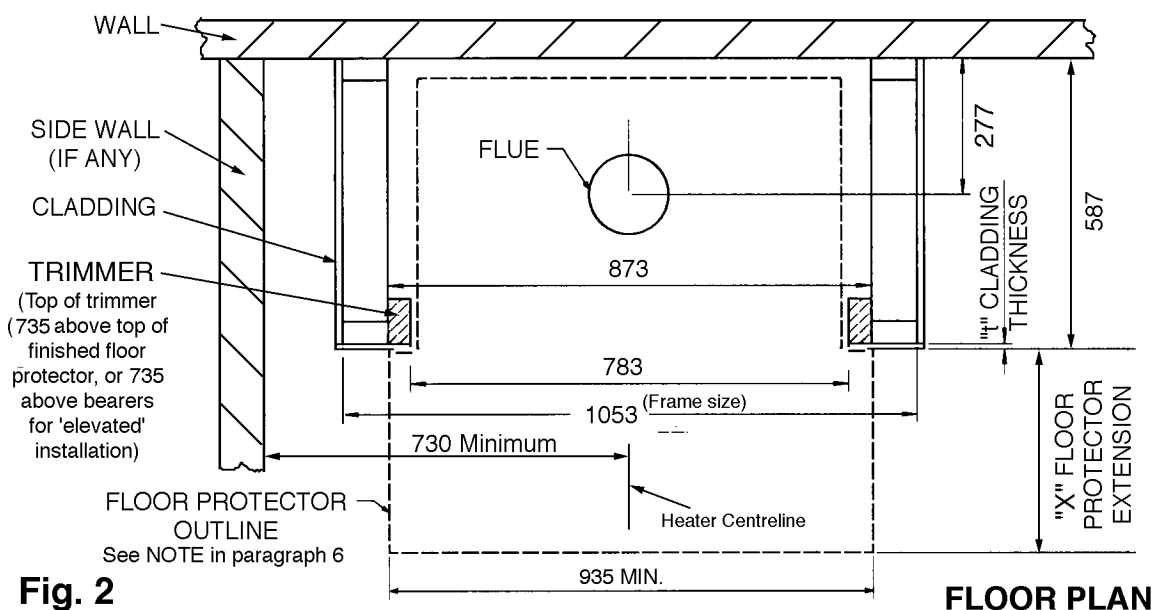
FLOOR PROTECTOR

METAL SUPPORT ANGLE

**Fig. 1**

**Fig. 1**

1. Inspect the house construction at the proposed installation position to verify that the flue shield (250mm diameter, plus 25mm clearance all around) can pass right up through the ceiling space without requiring the removal of essential roof or ceiling support beams. The flue centreline will be 277 mm out from the rear wall and it must be at least 730mm distant from any side wall. (See Fig. 2).

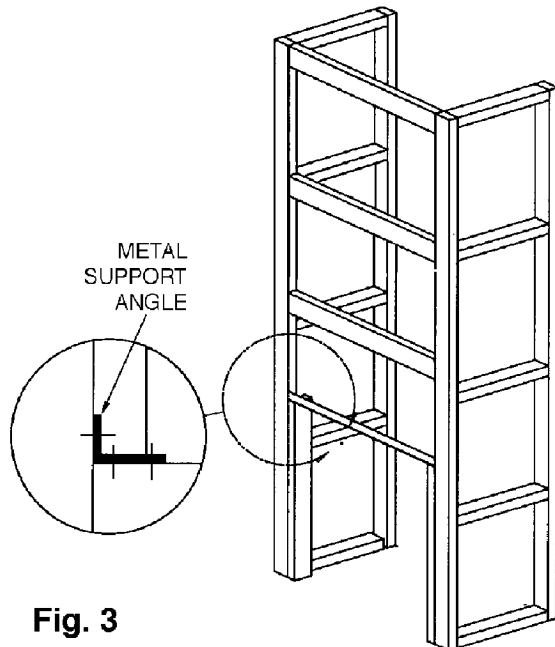


**Fig. 2**

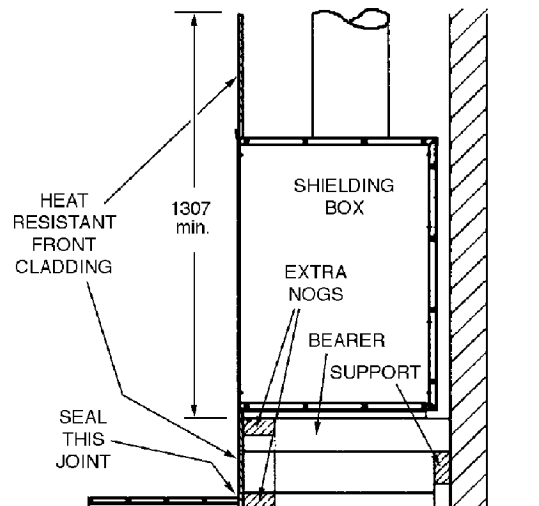
## FLOOR PLAN

- Page 22

3. Ensure that there are suitable nogs at either the ceiling or roof level (or both) to provide anchorage for the outer flue heat shield bracing angles.
4. Frame up the **enclosure** using nominal 90 by 45 dressed timber, verifying that it will be on the flue centreline. (See Fig. 3). The overall depth of the frame should be  $(587 - t)$  mm, where 't' is the cladding thickness. The distance between the trimmers (where the assembled shielding box will fit), should be 783mm. The overall width of the enclosure frame shown is the minimum required, but if desired it may be larger. The trimmers do not run the full height, but end 735 mm above the finished top face of the floor protector (or 735 mm above the top of the bearers if the heater is 'elevated'). Refer to paragraph 6 for floor protector thickness options and the advantage of 'elevated' installations. Fix the metal support angle across the tops of the trimmers to provide support and fixing for the front heat resistant cladding. (See Fig. 3).



**Fig. 3**



**Fig. 4 ELEVATED INSTALLATION**

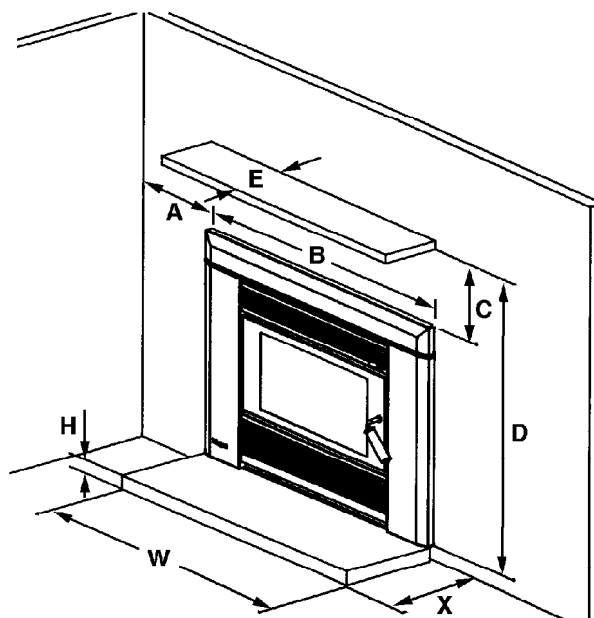
For an 'elevated' installation, fix two **extra nogs** (90x45x783 mm) across the front opening of the enclosure, one at the bottom and the other at the desired 'elevation' height. (See Fig. 4). These **extra nogs** will carry the front cladding below the heater. Fix two 90 x 45 **bearers** running from front to back behind the top extra nog., positioned 250 mm each side of the enclosure centreline to provide support for the shielding box rails. The **bearer** tops must be flush with the top of the **top extra nog**. Provide a suitable **support** at the rear ends of the bearers to carry the weight of the appliance. (See Fig. 4). The shielding box rails can sit directly on the bearers. No insulation is necessary.

The usual three nogs may be fixed at each side of the enclosure. At the front, the lowest wooden nog must have its lower face at least 1307 mm above the top of the floor protector (or 1307 mm above the bearers for an elevated installation). Further wooden nogs can be fitted at the front above this one.

5. Fix the cladding to the **front** of the enclosure, including down each side of the 735 x 783 opening. All **front cladding** (including cladding below the heater in elevated installations) which is less than 1307 mm above the floor protector (or the bearers in elevated installations), must be of heat-proof material such as Hardies Tile and Slate Underlay, Hardiflex or Supalux. It is usually convenient to carry the same material right up to ceiling level. At the lower edge, drill (4.5 mm diameter) into the metal support angle through the holes in the top flange of the shielding box and fasten with the self threading screws provided. The **side cladding** for the enclosure may be Gib board or any other wall cladding material. For ease of flue installation, leave the cladding off at least one side until the flue system has been installed.
6. For heat sensitive floors, construct a floor protector of the shape shown in the Floor Plan above (Fig. 2). (See page 4 for concrete floors). The standard floor protector is constructed of two layers of 6mm fibre cement board (such as Hardies Tile and Slate Underlay), topped with a layer of tiles or slate. This will give a thickness of approximately 20mm, and the extension from the face of the front cladding must be at least 385 mm. The floor protector must be at least 935 mm wide.  
If it is desired to reduce the extension of the floor protector to its minimum allowable size (335 measured from the front cladding or 300 from the door opening), this can be done in two ways:-
  - By increasing the thickness of the floor protector to at least 47 mm. (The shielding box must be raised to the new height also.)
  - By keeping the 20 mm floor protector thickness and raising the shielding box 45 mm above the top of the floor protector on bearers as described in paragraph 4. (An 'elevated' installation).

In all cases, the width of the required floor protector must be at least 935 mm.

**NOTE:** For elevated installations, the floor protector may be installed after the heater is in position as it does not extend into the enclosure. However, its rear edge must butt up against the face of the heat-proof cladding below the heater, and the joint at that point must be sealed to prevent the possibility of ember penetration.

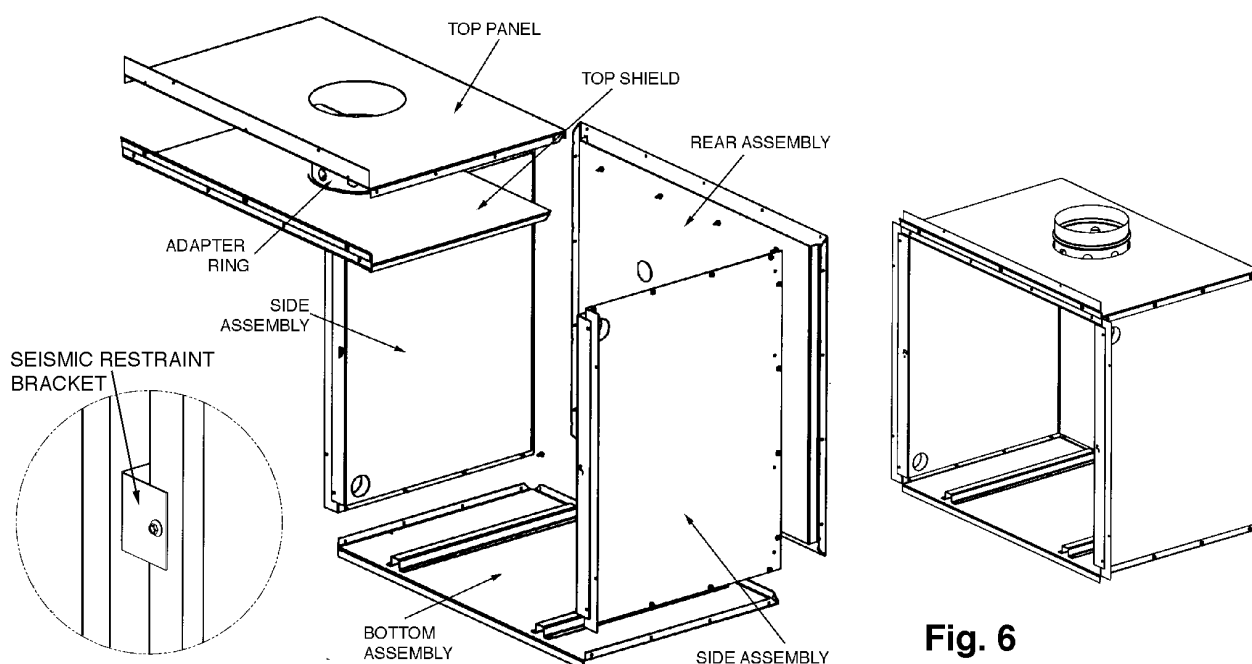


A Min	B	W Min	C Min	D Min	E Min	H	X
228	1004	965	290	1080	150	20	385
			590	1380	250	47	335

All floor protectors must have at least 335mm extension from the surround (300mm from the door opening)

**Fig 5**

7. Cement tiles or slate to the top of the floor protector. The part inside the enclosure will not be visible and therefore does not need complete coverage. It is necessary to fix the finishing layer only under the support rails in this area. The visible edges of the floor protector are best finished with wooden trim or tiles after the stove has been installed.
8. Penetrate the roofing material on the flue centreline. Working from the bottom, assemble sections of the flue and the inner and outer flue heat shields (casings) and pass them up through the hole in the roof. Remember the flue sections must be fixed together at each joint with at least two rust-proof fasteners, and the crimped ends of the flue heat shields go to the top. When the flue system is finally in position, the inner shield must extend up past the roof penetration point and the outer shield must be sufficiently high to avoid down-draughts in the finished flue. If the flue centreline is within 3m of the ridge, the outer shield must end at least 600mm above the roof ridge. If it is further than 3m from the ridge, the shield must extend at least 900mm above the point of roof penetration. In some cases where there are trees or high buildings in the vicinity, it may be necessary to increase this height to avoid down-draughts.  
**Note:** the 200mm adapter ring (with holes which ventilate the space between the flue and the inner shield) will be fitted into the shielding box assembly and will engage in the bottom of the inner heat shield. Fit a temporary support to hold the flue system high enough to permit sliding in the shielding box.
9. Assemble the base, sides, back and top panel of the shielding box (see Fig. 6). Slide the assembly into place in the enclosure. After centralising, fix the flange of the top panel of the shielding box through the cladding into the metal angle support, and fix the side flanges (through the cladding) into the wooden trimmers. Pass the 200mm adapter ring (crimped end up) upwards into the hole in the top panel of the shielding box, and slide the top shield in under it so that the ring sits on top of the top shield and the top shield rests on the top edges of the inner heat shields of the cabinet. Make sure the back flange of the top shield hooks over the shield on the rear panel. Fix the top shield to the front flange of the top panel with 3 screws.



**Fig. 6**



10. Remove the two retaining screws and slide out the removable top section of the **firebox** cabinet. Fix the seismic restraint brackets at each side of the firebox cabinet (flanges facing outwards), and slide the firebox cabinet into the shielding box. Centralise it and secure the restraint brackets to the shielding box flanges.
11. Lower the assembled flue and **seal and fix it to the flue socket** of the heater. Lower the inner flue heat shield and engage its bottom end with the adapter ring. Lower the outer flue heat shield to sit on top of the shielding box.
12. Fit the two shield bracing angles at either ceiling or roof level as appropriate. Fix a suitable flashing where the outer shield penetrates the roof.
13. **IMPORTANT.** to avoid the risk of a fire, cover the entire open space surrounding the heat shield at ceiling level with wire netting which has a mesh small enough to prevent the entry of birds or vermin into the enclosure.
14. At the top of the flue, fix the flashing cone and fit the flue cowl in the usual way.
15. Re-fit the removable top section of the firebox cabinet and secure it with two screws.
16. Fix the cladding to the enclosure side(s).
17. An un-shielded mantel-shelf may be fitted according to the height and width restrictions shown in Fig. 5. Shelves lower or wider than shown require a metal under-shield (see the installation manual).
18. Remove the standard top rail of the fascia and replace it by the vented one. Remove the bottom bar of the fascia and replace it by the vented bottom rail, taking care to trap the mains lead and grommet between the left end of the bottom rail and the left fascia upright. If necessary, replace the electrical connections at the rear of the fan switch (see installation manual) and ensure that the earth wire is connected to the post behind the Masport badge on the left fascia upright.
19. Fit the fascia by offering it up to the heater about 15 mm above its final position and lowering it, making sure the lip behind the top fascia rail engages in the slot at the top of the shielding box. Fit the six retaining screws.
20. Fit the upper and lower fascia grilles and the firebox door as described in the installation manual.
21. Finish the floor protector by installing an edge trim if desired.

## SPECIAL CONSTRUCTIONS:

**CONCRETE FLOORS:** The above instructions assume that the heater is being assembled on a heat sensitive floor such as timber or particle board. Where the floor is not heat sensitive (e.g. concrete), the insulating floor protector may be omitted. However, if heat sensitive floor coverings are fitted it will be necessary to keep them at a safe distance. The most practical way to do this is to fix tiles to the floor where the floor protector would normally be. This will make the top of the protector approximately flush with the floor covering, so a larger floor protector will be needed. It must extend out to 500 mm from the face of the fireplace surround, but the 965 mm width will be sufficient.

**EXTERNAL INSTALLATIONS:** In the case where the enclosure is to be erected outside the house, the shielding and flue installation details above will still apply. It is important to remember that the aperture in the wall of the house will need to be sufficiently high to permit the installation of heat resistant panelling in front of the heater to at least 1380 mm above the bottom of the shielding box rails. Suitable foundations will be required to support the weight of the enclosure and the heater and weatherproofing of the entire assembly will be necessary.

### BRICK FACED INTERNAL ENCLOSURES:

Flue installation and clearance requirements are as detailed above. Brick wall construction will normally require a cast concrete base slab, so this slab could be extended to provide the necessary floor protection.

**CAUTION.** If local Building Requirements permit laying the concrete slab on top of a wooden floor, it should be made of lightweight concrete and even then foundation support may be required. In any case, the slab should be poured on top of one layer of Micore 160 board (covered with sheet plastic to keep it dry) to prevent heat damage to the wooden floor. The top surface can be finished with bricks or tiles etc. In all cases the floor protector dimensions must be as previously shown.

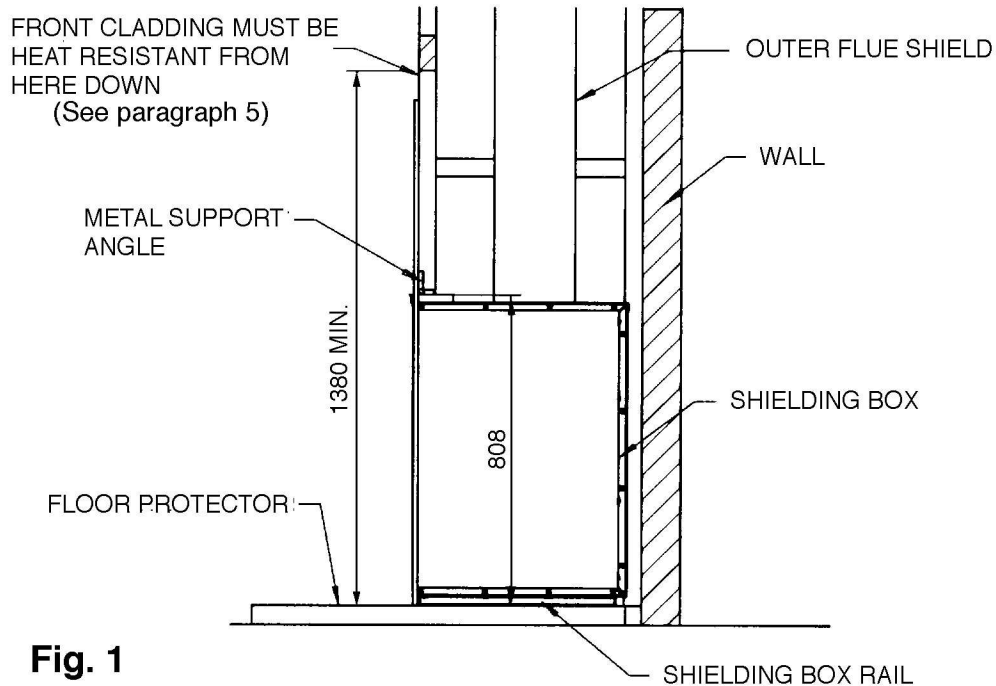
As before, the opening for the appliance in the front wall must be 875mm wide and 808 mm high. Note that the bricks above the opening must extend to at least 1380 mm above the bottom of the shielding box rails.

Fit the shielding box and complete the installation as previously detailed for standard installations.

# Masport®

## Grande Provincial Built-in (Zero Clearance) Kit Instructions.

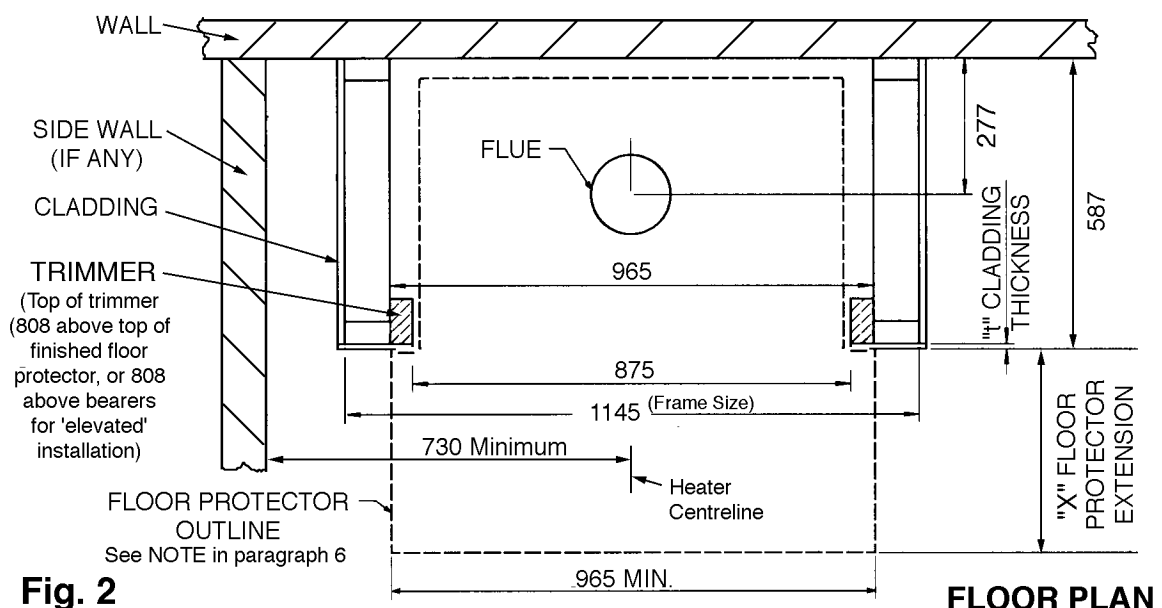
The kit enables the Masport Grande Provincial Woodfire to be installed when no conventional masonry chimney is available. The woodfire will need a shielding box, a special flue kit, a ventilated top fascia rail, and a bottom fascia rail. The installation may be made onto a timber or particle board floor or a concrete floor. (See Special Constructions below for concrete floors). We recommend following the sequence below.



**Fig. 1**

### STANDARD INSTALLATIONS:

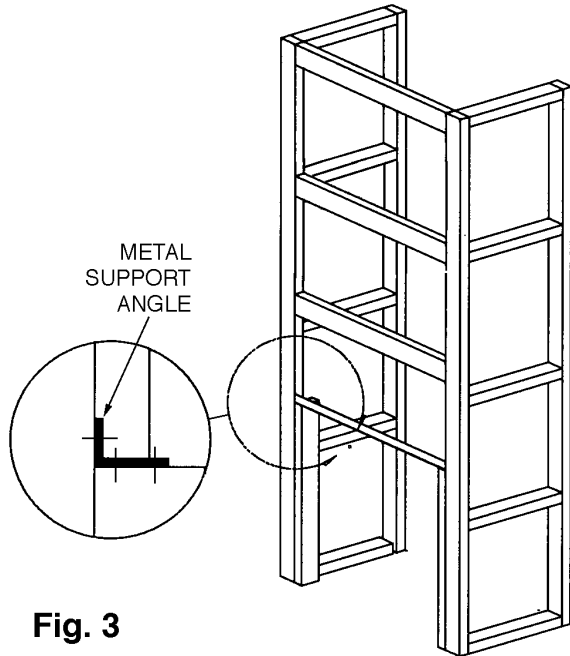
1. Inspect the house construction at the proposed installation position to verify that the flue shield (250mm diameter, plus 25mm clearance all around) can pass right up through the ceiling space without requiring the removal of essential roof or ceiling support beams. The flue centreline will be 277 mm out from the rear wall and it must be at least 730mm distant from any side wall. (See Fig. 2).



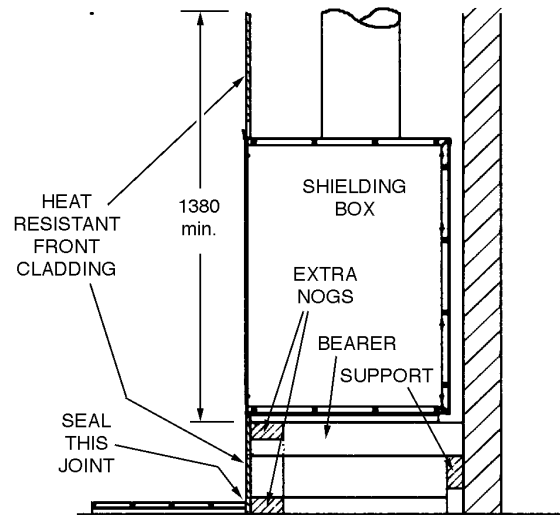
**Fig. 2**

2. Drop a plumb line from the ceiling to the floor to verify the centreline and cut a hole at least 300mm square through the ceiling on this centreline. If preferred, there may be no ceiling inside the fireplace enclosure. (See step 12)

3. Ensure that there are suitable nogs at either the ceiling or roof level (or both) to provide anchorage for the outer flue heat shield bracing angles.
4. Frame up the **enclosure** using nominal 90 by 45 dressed timber, verifying that it will be on the flue centreline. (See Fig. 3). The overall depth of the frame should be  $(587 - t)$  mm, where 't' is the cladding thickness. The distance between the trimmers (where the assembled shielding box will fit), should be 875mm. The overall width of the enclosure frame shown is the minimum required, but if desired it may be larger. The trimmers do not run the full height, but end 808 mm above the finished top face of the floor protector (or 808 mm above the top of the bearers if the heater is 'elevated'). Refer to paragraph 6 for floor protector thickness options and the advantage of 'elevated' installations. Fix the metal support angle across the tops of the trimmers to provide support and fixing for the front heat resistant cladding.



**Fig. 3**



**Fig. 4 ELEVATED INSTALLATION**

For an 'elevated' installation, fix two **extra nogs** (90x45x875 mm) across the front opening of the enclosure, one at the bottom and the other at the desired 'elevation' height. (See Fig. 4). These **extra nogs** will carry the front cladding below the heater. Fix two 90 x 45 **bearers** running from front to back behind the top extra nog, positioned 250 mm each side of the enclosure centreline to provide support for the shielding box rails. The **bearer** tops must be flush with the top of the **top extra nog**. Provide a suitable **support** at the rear ends of the bearers to carry the weight of the appliance. (See Fig. 4). The shielding box rails can sit directly on the bearers. No insulation is necessary. The usual three nogs may be fixed at each side of the enclosure. At the front, the lowest wooden nog must have its lower face at least 1380 mm above the top of the floor protector (or 1380 mm above the bearers for an elevated installation). Further wooden nogs can be fitted at the front above this one.

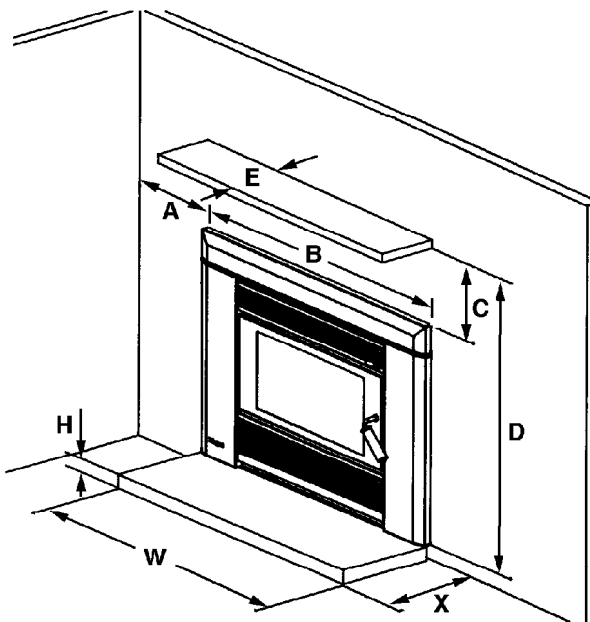
5. Fix the cladding to the **front** of the enclosure, including down each side of the 808 x 875 opening. All **front cladding** (including cladding below the heater in elevated installations) which is less than 1380 mm above the floor protector (or the bearers in elevated installations), must be of heat-proof material such as Hardies Tile and Slate Underlay, Hardiflex or Supalux. It is usually convenient to carry the same material right up to ceiling level. At the lower edge, drill (4.5 mm diameter) into the metal support angle through the holes in the top flange of the shielding box and fasten with the self threading screws provided. The **side cladding** for the enclosure may be Gib board or any other wall cladding material. For ease of flue installation, leave the cladding off at least one side until the flue system has been installed.
6. For heat sensitive floors, construct a floor protector of the shape shown in the Floor Plan above (Fig. 2). (See page 4 for concrete floors). The standard floor protector is constructed of two layers of 6mm fibre cement board (such as Hardies Tile and Slate Underlay), topped with a layer of tiles or slate. This will give a thickness of approximately 20mm, and the extension from the face of the front cladding must be at least 440 mm. The floor protector must be at least 965 mm wide.

If it is desired to reduce the extension of the floor protector to its minimum allowable size (335 measured from the front cladding or 300 from the door opening), this can be done in two ways:-

- By increasing the thickness of the floor protector to at least 95 mm. (The shielding box must be raised to the new height also.)
- By keeping the 20 mm floor protector thickness and raising the shielding box 90 mm above the top of the floor protector on bearers as described in paragraph 4. (An 'elevated' installation).

In all cases, the width of the required floor protector must be at least 965 mm.

**NOTE:** For elevated installations, the floor protector may be installed after the heater is in position as it does not extend into the enclosure. However, its rear edge must butt up against the face of the heat-proof cladding below the heater, and the joint at that point must be sealed to prevent the possibility of ember penetration.

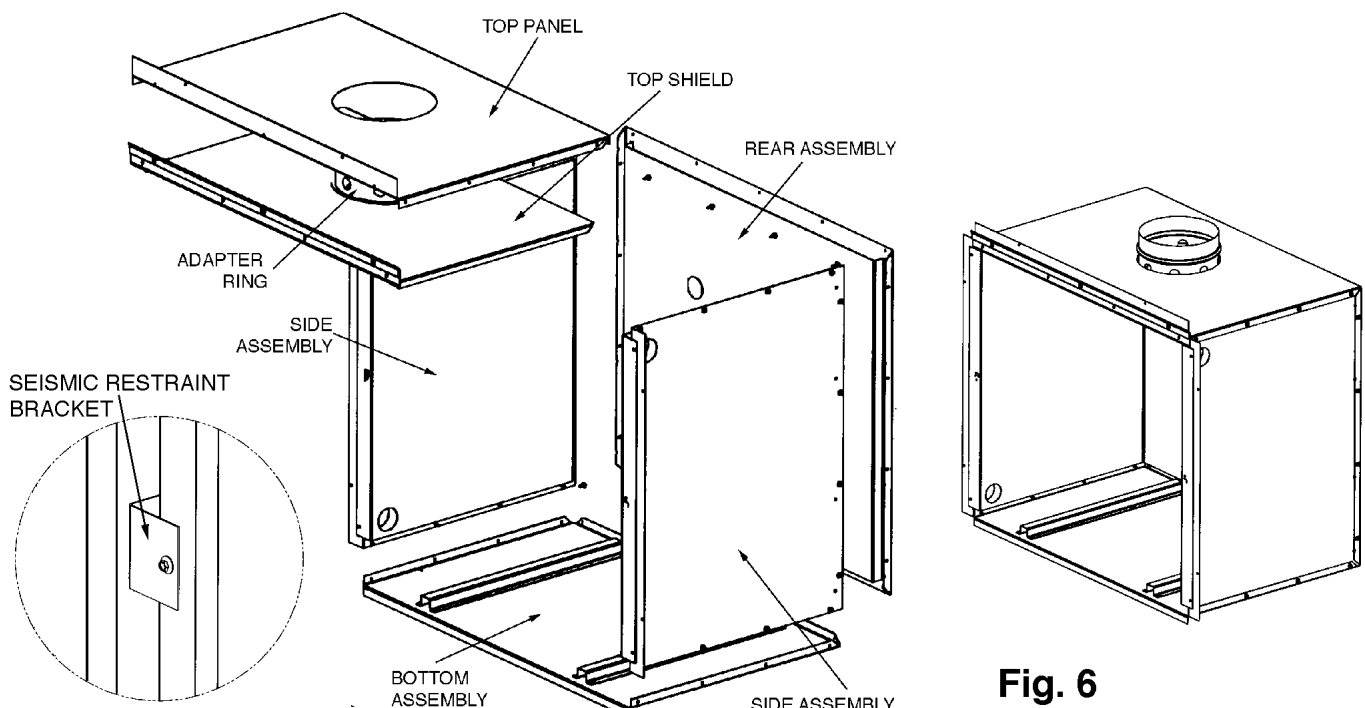


A Min	B	W Min	C Min	D Min	E Min	H	X
228	1004	965	290	1080	150	20	440
			590	1380	250	95	335

All floor protectors must have at least 335mm extension from the surround (300mm from the door opening)

**Fig 5**

7. Cement tiles or slate to the top of the floor protector. The part inside the enclosure will not be visible and therefore does not need complete coverage. It is necessary to fix the finishing layer only under the support rails in this area. The visible edges of the floor protector are best finished with wooden trim or tiles after the stove has been installed.
8. Penetrate the roofing material on the flue centreline. Working from the bottom, assemble sections of the flue and the inner and outer flue heat shields (casings) and pass them up through the hole in the roof. Remember the flue sections must be fixed together at each joint with at least two rust-proof fasteners, and the crimped ends of the flue heat shields go to the top. When the flue system is finally in position, the inner shield must extend up past the roof penetration point and the outer shield must be sufficiently high to avoid down-draughts in the finished flue. If the flue centreline is within 3m of the ridge, the outer shield must end at least 600mm above the roof ridge. If it is further than 3m from the ridge, the shield must extend at least 900mm above the point of roof penetration. In some cases where there are trees or high buildings in the vicinity, it may be necessary to increase this height to avoid down-draughts. Note that the 200mm adapter ring (with holes which ventilate the space between the flue and the inner shield) will be fitted into the shielding box assembly and will engage in the bottom of the inner heat shield. Fit a temporary support to hold the flue system high enough to permit sliding in the shielding box.
9. Assemble the base, sides, back and top panel of the shielding box (see Fig. 6). Slide the assembly into place in the enclosure. After centralising, fix the flange of the top panel of the shielding box through the cladding into the metal angle support, and fix the side flanges (through the cladding) into the wooden trimmers. Pass the 200mm adapter ring (crimped end up) upwards into the hole in the top panel of the shielding box, and slide the top shield in under it so that the ring sits on top of the top shield and the top shield rests on the top edges of the inner heat shields of the cabinet. Make sure the back flange of the top shield hooks over the shield on the rear panel. Fix the top shield to the front flange of the top panel with 3 screws.



**Fig. 6**



10. Remove the two retaining screws and slide out the removable top section of the **firebox** cabinet. Fix the seismic restraint brackets at each side of the firebox cabinet (flanges facing outwards), and slide the firebox cabinet into the shielding box. Centralise it and secure the restraint brackets to the shielding box flanges.
11. Lower the assembled flue and **seal and fix it to the flue socket** of the heater. Lower the inner flue heat shield and engage its bottom end with the adapter ring. Lower the outer flue heat shield to sit on top of the shielding box.
12. Fit the two shield bracing angles at either ceiling or roof level as appropriate. Fix a suitable flashing where the outer shield penetrates the roof.
13. **IMPORTANT.** to avoid the risk of a fire, cover the entire open space surrounding the heat shield at ceiling level with wire netting which has a mesh small enough to prevent the entry of birds or vermin into the enclosure.
14. At the top of the flue, fix the flashing cone and fit the flue cowl in the usual way.
15. Re-fit the removable top section of the firebox cabinet and secure it with two screws.
16. Fix the cladding to the enclosure side(s).
17. An un-shielded mantel-shelf may be fitted according to the height and width restrictions shown in Fig. 5. Shelves lower or wider than shown require a metal under-shield (see the installation manual).
18. Remove the standard top rail of the fascia and replace it by the vented one. Remove the bottom bar of the fascia and replace it by the vented bottom rail, taking care to trap the mains lead and grommet between the left end of the bottom rail and the left fascia upright. If necessary, replace the electrical connections at the rear of the fan switch (see installation manual) and ensure that the earth wire is connected to the post behind the Masport badge on the left fascia upright.
19. Fit the fascia by offering it up to the heater about 15 mm above its final position and lowering it, making sure the lip behind the top fascia rail engages in the slot at the top of the shielding box. Fit the six retaining screws.
20. Fit the upper and lower fascia grilles and the firebox door as described in the installation manual.
21. Finish the floor protector by installing an edge trim if desired.

## SPECIAL CONSTRUCTIONS:

**CONCRETE FLOORS:** The above instructions assume that the heater is being assembled on a heat sensitive floor such as timber or particle board. Where the floor is not heat sensitive (e.g. concrete), the insulating floor protector may be omitted. However, if heat sensitive floor coverings are fitted it will be necessary to keep them at a safe distance. The most practical way to do this is to fix tiles to the floor where the floor protector would normally be. This will make the top of the protector approximately flush with the floor covering, so a larger floor protector will be needed. It must extend out to 500 mm from the face of the fireplace surround, but the 935 mm width will be sufficient.

**EXTERNAL INSTALLATIONS:** In the case where the enclosure is to be erected outside the house, the shielding and flue installation details above will still apply. It is important to remember that the aperture in the wall of the house will need to be sufficiently high to permit the installation of heat resistant panelling in front of the heater to at least 1307 mm above the bottom of the shielding box rails. Suitable foundations will be required to support the weight of the enclosure and the heater and weatherproofing of the entire assembly will be necessary.

### BRICK FACED INTERNAL ENCLOSURES:

Flue installation and clearance requirements are as detailed above. Brick wall construction will normally require a cast concrete base slab, so this slab could be extended to provide the necessary floor protection.

**CAUTION.** If local Building Requirements permit laying the concrete slab on top of a wooden floor, it should be made of lightweight concrete and even then foundation support may be required. In any case, the slab should be poured on top of one layer of Micore 160 board (covered with sheet plastic to keep it dry) to prevent heat damage to the wooden floor. The top surface can be finished with bricks or tiles etc. In all cases the floor protector dimensions must be as previously shown.

As before, the opening for the appliance in the front wall must be 783 mm wide and 735 mm high. Note that the bricks above the opening must extend to at least 1307 mm above the bottom of the shielding box rails.

Fit the shielding box and complete the installation as previously detailed for standard installations.