

## Revised Zero Clearance Installation Instructions for Piccolo, Sofia & Madrid Gas Heaters.

These instructions are to be read in conjunction with the standard Piccolo, Sofia & Madrid Owner's and Installation Manual (part no. 590340).

They apply only when bearer rails are fitted to the outer steel cabinet.

The Zero Clearance Kit enables the Masport Piccolo, Sofia and Madrid Gasfires to be installed when no conventional masonry chimney is available. Installation of the kit is not difficult, but it is important to follow the sequence suggested below. *No special heat resistant hearth (floor protector) is required.*

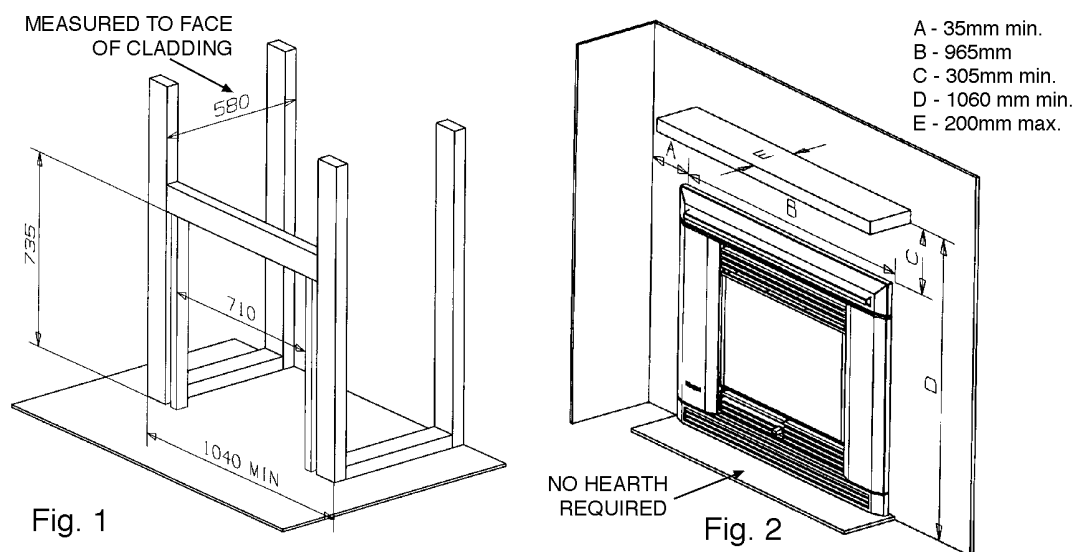
**PLEASE NOTE:** A special 'zero clearance' fascia will be required, as the usual fascias are unsuitable. A special Flue Kit is also needed. This has a 100mm-diameter flue surrounded by a 150mm-diameter heat shield. This shield is spaced out from the flue and rests on top of the outer cabinet. Ventilation of the space between the flue and the shield is provided by the clearance hole for the flue in the cabinet top.

**WARNING:** The stand-off angles on the sides and rear of the outer cabinet are fitted to ensure a safe clearance to combustible materials. The stand-off angles must not be removed. Additionally, no combustible framing material must be less than 35mm above the top of the outer cabinet.

All Masport heaters are tested to New Zealand and Australian Standards. Clearances are for fire hazard only. Materials such as wallpaper, paint or similar may be adversely affected and therefore may not be suitable. For durability of finishes and surfaces you should contact the relevant manufacturer for their specifications. Masport accepts no responsibility for the deterioration of surfaces or finishes.

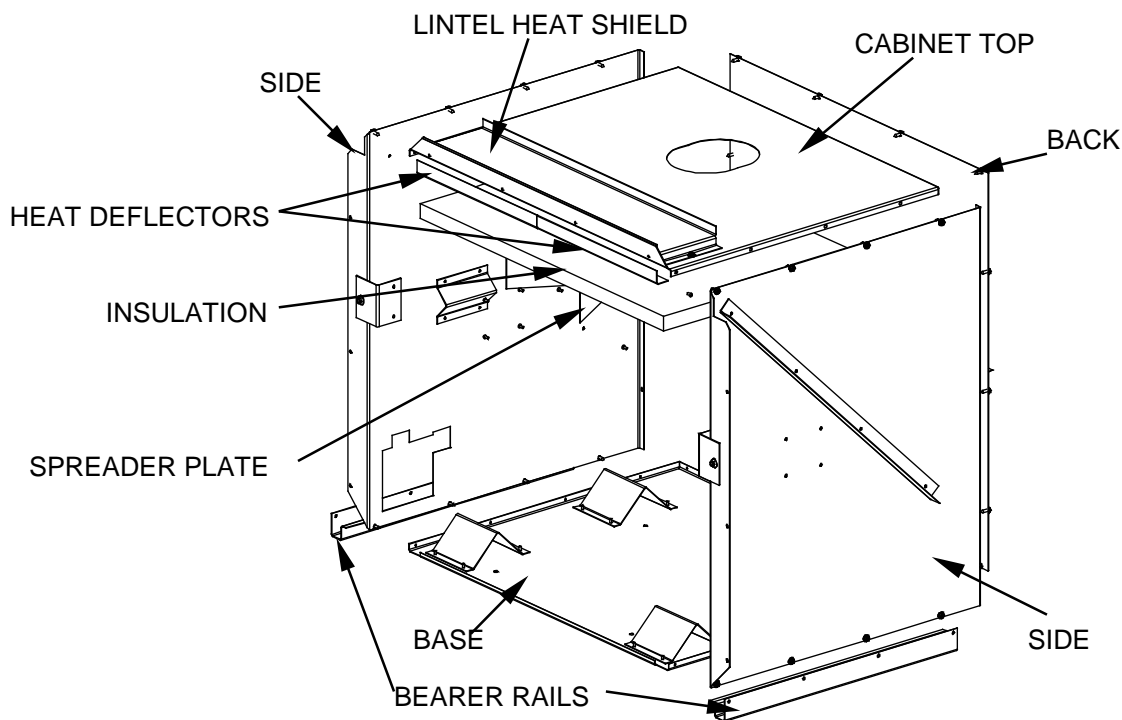
### PROCEDURE FOR INTERNAL INSTALLATIONS:

1. Inspect the house construction at the proposed installation position to verify that the 150 mm diameter flue shield can pass right up through the ceiling space without requiring the removal of essential roof or ceiling support beams. The flue centreline will be 363mm back from the finished front face of the enclosure. If the heater is to be installed parallel to an existing wall, and if the enclosure is built to its minimum allowable depth, the flue centreline will be 217mm from the wall. If the heater will be parallel to the wall, any heat sensitive side wall must be at least 520mm from the heater centreline. If the enclosure is to be at 45° in the corner of the room, and is built to its minimum allowable depth, the face of the enclosure will be 935mm out from the corner and the flue centreline will be 600mm out from the corner.
2. Drop a plumb line from the ceiling to the floor to establish a flue centreline as detailed above, and cut and nog a hole at least 200mm square through the ceiling on this centreline. The ceiling inside the enclosure may be removed entirely, if desired, and it must be removed if it will be less than 1600mm above the top of the outer steel cabinet. (See Step 10).



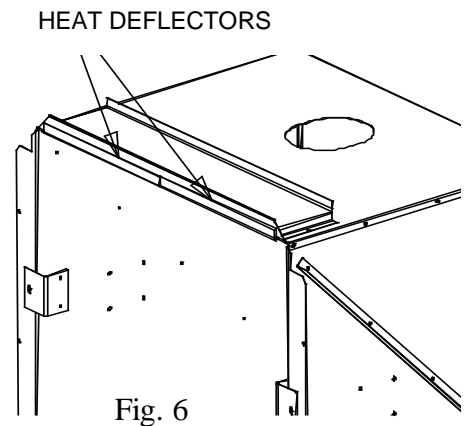
**Dimensions D=1060mm and Frame height=735mm for standard installations.  
Increase these for elevated installations**

3. Frame up the enclosure as shown in Fig. 1. The frame should provide a recess 710mm wide and at least 580mm deep (measured from the face of the cladding material or from any tiles etc. that may be fixed to the cladding material). The overall width of the frame must be not less than 1040mm to accommodate the fascia width and to ensure a safe clearance to any combustible material should there be a room side-wall abutting the enclosure. The opening must have two timber uprights spaced 710mm (between) at the front. The bearer rails on the base of the outer steel cabinet will sit directly on the floor. No insulation is needed on top of the floor in the recess. (See Figs. 1 & 2).
4. The floor in front of the heater will not require a hearth or any other heat protection, although a hearth (floor protector) may be provided, if desired, purely for aesthetic reasons.
5. The usual three nogs may be fixed at each side of the enclosure. At the front the lowest nog must have its lower face 735mm above the floor. Further nogs can be fitted anywhere above this one.
6. Fix the cladding to the sides and front of the framed-up enclosure. Conventional paper-faced wall cladding will be satisfactory on all faces of the enclosure, although a more appropriate material (such as Tile and Slate underlay) may be preferable where tiles etc. are to be fitted.
7. If a decorative finish (such as tiles or slate) is to be applied to the face of the enclosure, this should be done next. The decorative finish must extend down to the top of the recess but may stop short of the sides of the recess provided that packing is provided between the uprights of the enclosure and the flanges of the outer steel cabinet to bring the flanges in line with the outer surface of the decorative finish.
8. If a mantelshelf is being fitted, it must extend no more than 200 mm, and its undersurface must be at least 1060mm above the floor or at least 305mm above the top of the fascia if the base of the heater is raised above floor level. For raised installations, see Step 2. Please note that the mantelshelf details in the standard manual are NOT valid for zero clearance installations.
9. Penetrate the roofing material on the flue centreline, following the instructions accompanying the special Zero Clearance Flue Kit.
10. **IMPORTANT. Cover the entire open space surrounding the flue heat shield (at ceiling level) with wire netting with a mesh small enough to prevent the entry of birds or vermin. This will avoid the risk of a fire from nesting inside the enclosure.**

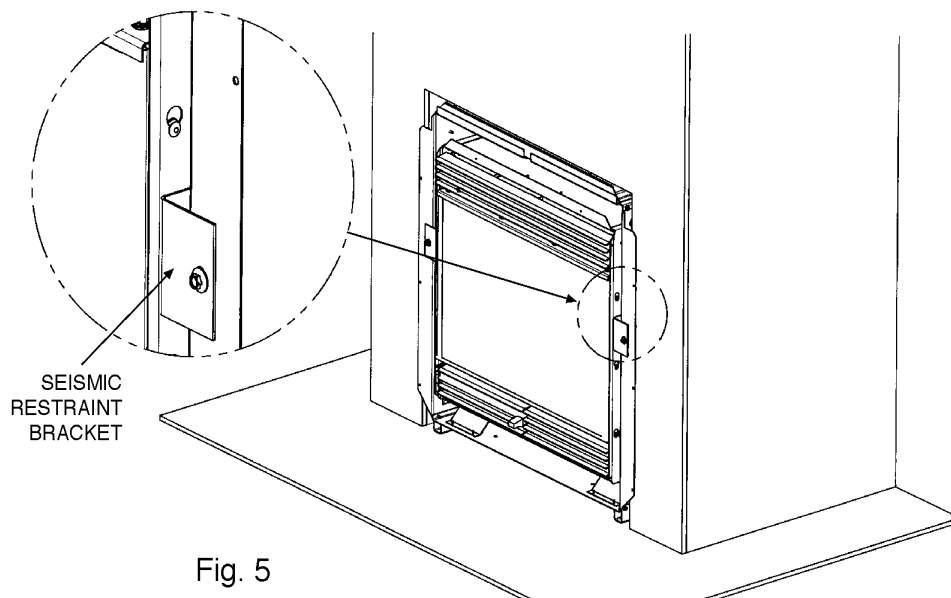


OUTER STEEL CABINET Fig.3

11. Assemble the two sides, the base, the back and the top of the outer steel cabinet. Fix the two heat deflectors under the top of the outer cabinet with their flanges up, thus forming a channel with the front flange of the cabinet top. (See Fig. 6). When assembling the sides to the base, fit a bearer rail at each side to raise the base of the outer cabinet 25mm above floor level. Slide the cabinet into the constructed recess. Check that it is centred between the front studs and that the cabinet is 'squared up'. Secure the outer cabinet to the front studs through the six holes in the front flanges of the outer cabinet.



12. Assemble sufficient lengths of flue heat shield (150 mm dia.) so that the flue will extend the necessary height above the roof line. (See flue instructions).
13. Lower the flue shield down through the roof aperture until it is resting on top of the outer steel case. Check from below that it is centralised on the hole in the cabinet and flash the shield at roof level.
14. Fasten a seismic restraint bracket on each side of the firebox cabinet.



15. Slide the firebox cabinet into the outer cabinet and secure the seismic restraint brackets to the cabinet flanges.
16. Make the gas connection as detailed in the standard manual.
17. Fold the flow spreader plate along the line of the slots, with the two mounting lugs facing toward each other until the distance between the mounting holes is 116mm.
18. Slide out the top front section of the **firebox** cabinet (ie not ZC cabinet top). Attach the V shaped spreader plate **under** this component, making sure that the point of the 'V' will be toward the flue
19. Place the 200mm square plate (with the 108mm diameter hole) over the flue spigot on top of the firebox cabinet (not the outer cabinet).
20. Assemble the appropriate number of flue lengths and fix flue shield spacers as required (see flue instructions). Lower the assembled flue down through the heat shield in the usual manner and ensure that it engages with the flue socket of the heater. Fit the flue cowl.
21. Slide in the top front panel of the firebox cabinet and secure it at each side with a screw.
22. Install the insulating blanket on top of the firebox cabinet (not the outer cabinet).
23. Assemble the bottom louvred panel of the fascia to the fascia upright panels, sandwiching the stiffener plate between them as shown in Fig. 7, using four screws.

24. Offer this assembly into approximately its final position and attach the wiring looms to the switches as detailed in the standard manual.
25. Fit the fascia, using two screws each side, into the firebox cabinet.
26. Lower the top fascia rail prongs into the fascia uprights, ensuring the assembly is firmly in position and confirming that the top rail engages in the channel (formed in step 11) at the top front of the outer cabinet

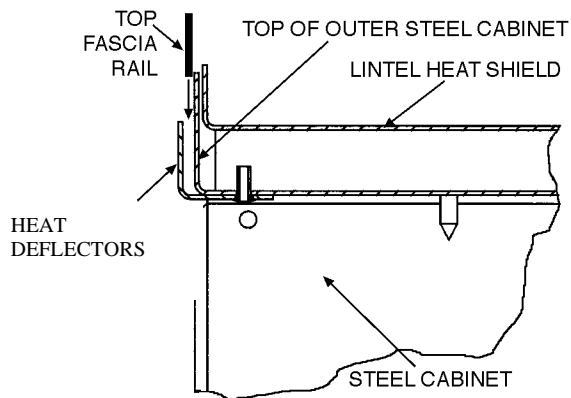
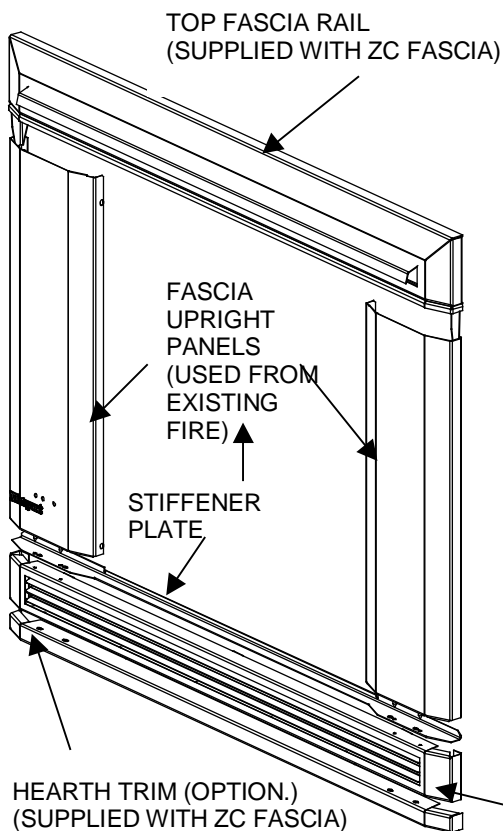
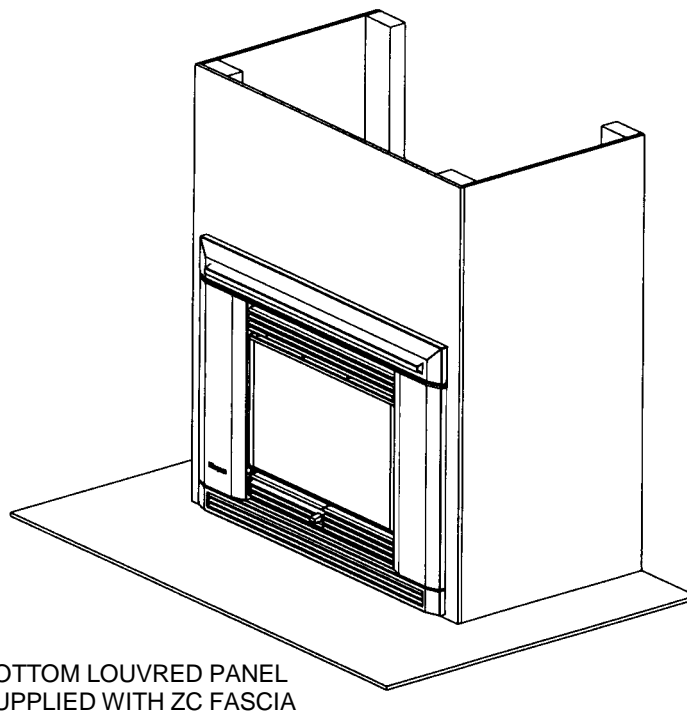


Fig. 6

27. Fit two screws through the bottom of the top fascia rail into the front upstand of the firebox cabinet.
28. Remove the glass and install the embers. (See standard manual). Re-fit the glass.
29. Carry out the usual test firing procedure.



FASCIA ASSEMBLY Fig. 7



FINISHED INSTALLATION Fig. 8

### 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. Suitable foundations will be required to support the weight of the enclosure and the heater, and weatherproofing of the entire assembly will be necessary.

As before, the opening for the appliance in the wall must be 710mm wide and 735mm high with its bottom edge level with the floor of the room. The minimum clearances to nearby sidewalls and mantelshelf requirements as detailed in Fig. 2 must be met.